

FCC Radio Test Report

FCC ID:2AX3BCTG6

This report concerns: **Original Grant**

Project No. : 2105C130
Equipment : AC2100 DUAL BAND GIGABIT WIFI ROUTER
Brand Name : Connectize
Test Model : G6
Series Model : G6X (X can be A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z and blank.)
Applicant : SHENZHEN TENO NETWORK TECHNOLOGIES CO.,LTD
Address : NO.415, 4F, ZHONGZHI NEXONE BUILDING, SANLIAN COMMUNITY, LONGHUA STREET, LONGHUA DISTRICT, SHENZHEN, CHINA
Manufacturer : SHENZHEN TENO NETWORK TECHNOLOGIES CO.,LTD
Address : NO.415, 4F, ZHONGZHI NEXONE BUILDING, SANLIAN COMMUNITY, LONGHUA STREET, LONGHUA DISTRICT, SHENZHEN, CHINA
Date of Receipt : May 20, 2021
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Report Version : R00
Test Sample : Engineering Sample No.: DG2021052034
Standard(s) : FCC CFR Title 47, Part 15, Subpart E
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2013

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

Maker Qi

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TESTING CERT #5123.03

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Declaration

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

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

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

Limitation

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

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Jun. 29, 2021

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

Note:

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

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China

BTL's Test Firm Registration Number for FCC: 476765

BTL's Designation Number for FCC: CN1241

1.2 MEASUREMENT UNCERTAINTY

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

The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U, (dB)
SH-C01	CISPR	150 kHz ~ 30 MHz	2.70

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB01	CISPR	9 KHz~30 MHz	V	3.79
		9 KHz~30 MHz	H	3.57
		30 MHz~200 MHz	V	4.04
		30 MHz~200 MHz	H	3.76
		200 MHz~1,000 MHz	V	4.24
		200 MHz~1,000 MHz	H	3.84
		1 GHz~18 GHz	V	4.46
		1 GHz~18 GHz	H	4.40
		18 GHz~40 GHz	V	3.95
		18 GHz~40 GHz	H	3.95

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	24°C	55%	AC 120V/60Hz AC 240V/50Hz	Andrews Tu
Radiated Emissions-30MHz to 1000MHz	24°C	58%	AC 120V/60Hz	Forest Li
Radiated Emissions-Above 1000 MHz	24°C	58%	AC 120V/60Hz	Forest Li
Bandwidth	26°C	52%	AC 120V/60Hz	Vince Zong
Maximum Output Power	26°C	52%	AC 120V/60Hz	Vince Zong
Power Spectral Density	26°C	52%	AC 120V/60Hz	Vince Zong

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AC2100 DUAL BAND GIGABIT WIFI ROUTER
Brand Name	Connectize
Test Model	G6
Series Model	G6X (X can be A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z and blank.)
Model Difference(s)	Only different in the color and appearance.
Software Version	N/A
Hardware Version	N/A
Power Source	DC voltage supplied from AC/DC adapter. Brand/Model: SUNUN/SA182V-120150U
Power Rating	I/P:100-240V~ 50/60Hz 0.4A O/P:12V --- 1.5A
Operation Frequency Band(s)	UNII-1: 5150 MHz ~ 5250 MHz UNII-3: 5725 MHz ~ 5850 MHz
Modulation Type	IEEE 802.11a/n/ac: OFDM
Bit Rate of Transmitter	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ac: up to 866.6 Mbps
Maximum Output Power _UNII-1 CDD	IEEE 802.11n40: 24.60 dBm (0.2884 W)
Maximum Output Power _UNII-3 CDD	IEEE 802.11n40: 24.63 dBm (0.2904 W)
Maximum Output Power _UNII-1 Beamforming	IEEE 802.11n20: 23.73 dBm (0.2360 W)
Maximum Output Power _UNII-3 Beamforming	IEEE 802.11n20: 23.79 dBm (0.2393 W)

Note:

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

2. Channel List:

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40)		IEEE 802.11ac(VHT80)	
UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

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

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	5
2	N/A	N/A	Dipole	N/A	5
3	N/A	N/A	Dipole	N/A	5
4	N/A	N/A	Dipole	N/A	5

Note:

1. This EUT supports Beamforming and CDD, all antennas have the same gain, any transmit signals are correlated with each other, so

1) Beamforming:

Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ dBi,
 that is Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ dBi = 11.02;
 Then, the UNII-1, UNII-3 output power limit is $30 - 11.02 + 6 = 24.98$.
 The UNII-1 power spectral density limit is $17 - 11.02 + 6 = 11.98$,
 the UNII-3 power spectral density limit is $30 - 11.02 + 6 = 24.98$.

2) CDD:

For power spectral density measurements, the Directional gain = $G_{ANT} + \text{Array Gain}$,
 that is Directional gain = $5 + 10\log(4/1) = 11.02$;
 Then, the UNII-1 power spectral density limited is $17 - 11.02 + 6 = 11.98$,
 the UNII-3 power spectral density limit is $30 - 11.02 + 6 = 24.98$.
 For power measurements, Directional gain = $G_{ANT\ MAX.} + \text{Array Gain}$.
 Array Gain = $0\text{dB}(N_{ANT} \leq 4)$, so the Directional gain = 5.

2. The antenna gain and beamforming gain are provided by the manufacturer.

4. Table for Antenna Configuration:

Operating Mode	TX Mode					Ant. 1+2+3+4
	Ant. 1	Ant. 2	Ant. 3	Ant. 4		
IEEE 802.11a	✓	✓	✓	✓		×
IEEE 802.11n(HT20)	✓	✓	✓	✓		✓
IEEE 802.11n(HT40)	✓	✓	✓	✓		✓
IEEE 802.11ac(VHT20)	✓	✓	✓	✓		✓
IEEE 802.11ac(VHT40)	✓	✓	✓	✓		✓
IEEE 802.11ac(VHT80)	✓	✓	✓	✓		✓

2.2 TEST MODES

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

Pretest Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX A Mode Channel 149/157/165 (UNII-3)
Mode 8	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 9	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 10	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 11	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 12	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 13	TX N(HT40) Mode Channel 159 (UNII-3)

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

AC power line conducted emissions test	
Final Test Mode	Description
Mode 13	TX N(HT40) Mode Channel 159 (UNII-3)

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 13	TX N(HT40) Mode Channel 159 (UNII-3)

Radiated Emissions Test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX A Mode Channel 149/157/165 (UNII-3)
Mode 8	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 9	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 12	TX AC(VHT80) Mode Channel 155 (UNII-3)

Conducted Test	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX A Mode Channel 149/157/165 (UNII-3)
Mode 8	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 9	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 10	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 11	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 12	TX AC(VHT80) Mode Channel 155 (UNII-3)

Note:

- (1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX N(HT40) Mode Channel 159 (UNII-3) is found to be the worst case and recorded.
- (2) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (3) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (4) The measurements for Output Power are tested, the worst case are IEEE 802.11a mode, IEEE 802.11n(HT20) mode, IEEE 802.11n(HT40) mode and IEEE 802.11ac(VHT80) mode, only the worst cases are documented for other test items.
- (5) The measurements for Output Power are tested, the CDD and Beamforming are recorded in the report. The worst case is CDD and only the worst case is documented for other test items.

2.3 PARAMETERS OF TEST SOFTWARE
CDD

UNII-1			
Test Software Version	MP_TEST V1.3.8.0		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	92	92	92
IEEE 802.11n(HT20)	88/100/90/100	88/100/90/100	88/100/90/100
IEEE 802.11ac(VHT20)	85/97/85/96	85/97/85/96	85/97/85/96
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	84/95/85/96	98/108/98/110	
IEEE 802.11ac(VHT40)	84/95/85/96	93/104/93/105	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	74/87/75/86		

UNII-3			
Test Software Version	MP_TEST V1.3.8.0		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	96	96	96
IEEE 802.11n(HT20)	92/90/90/88	92/90/90/88	92/90/90/88
IEEE 802.11ac(VHT20)	85/86/85/85	85/86/85/85	85/86/85/85
Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	98/100/98/100	98/100/98/100	
IEEE 802.11ac(VHT40)	93/95/95/95	93/95/95/95	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	95/94/95/94		

Beamforming

UNII-1			
Test Software Version	MP_TEST V1.3.8.0		
Frequency (MHz)	5180	5200	5240
IEEE 802.11n(HT20)	88/100/90/100	88/100/90/100	88/100/90/100
IEEE 802.11ac(VHT20)	85/97/85/96	85/97/85/96	85/97/85/96
Frequency (MHz)	5190	5230	/
IEEE 802.11n(HT40)	82/92/82/94	95/105/95/105	/
IEEE 802.11ac(VHT40)	84/95/85/96	93/104/93/105	/
Frequency (MHz)	5210	/	/
IEEE 802.11ac(VHT80)	74/87/75/86	/	/

UNII-3			
Test Software Version	MP_TEST V1.3.8.0		
Frequency (MHz)	5745	5785	5825
IEEE 802.11n(HT20)	92/90/90/88	92/90/90/88	92/90/90/88
IEEE 802.11ac(VHT20)	85/86/85/85	85/86/85/85	85/86/85/85
Frequency (MHz)	5755	5795	/
IEEE 802.11n(HT40)	92/96/92/96	92/96/92/96	/
IEEE 802.11ac(VHT40)	93/95/95/95	93/95/95/95	/
Frequency (MHz)	5775	/	/
IEEE 802.11ac(VHT80)	95/94/95/94	/	/

2.4 DUTY CYCLE

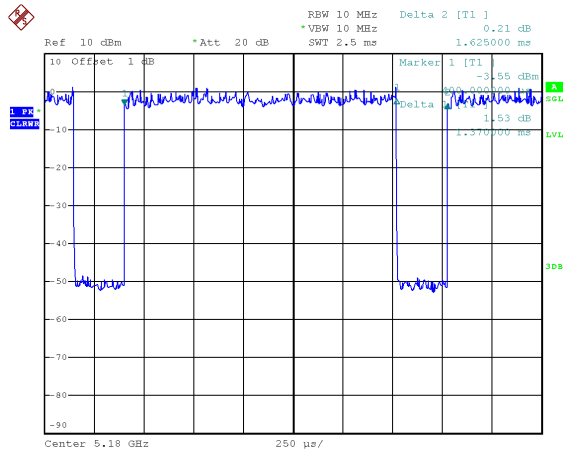
If duty cycle is $\geq 98\%$, duty factor is not required.

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

The output power = measured power + duty factor.

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

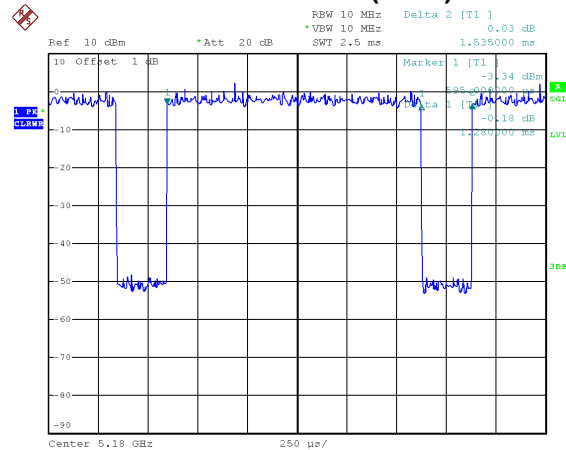
IEEE 802.11a



Date: 24.MAY.2021 14:47:29

Duty cycle = $1.370 \text{ ms} / 1.625 \text{ ms} = 84.31\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.74$

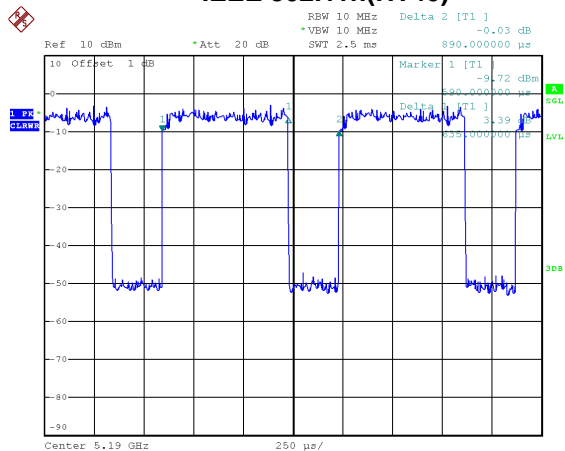
IEEE 802.11n(HT20)



Date: 24.MAY.2021 14:47:44

Duty cycle = $1.280 \text{ ms} / 1.535 \text{ ms} = 83.39\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.79$

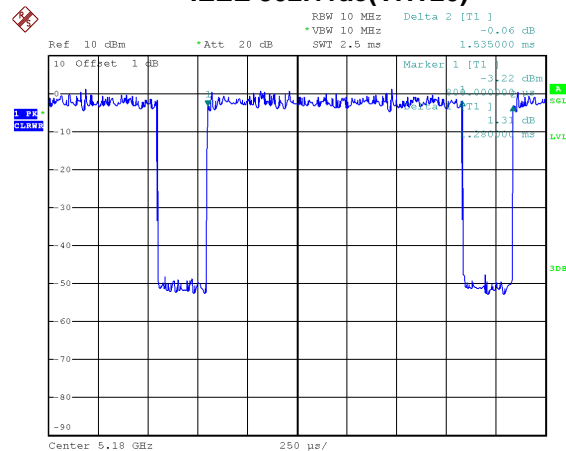
IEEE 802.11n(HT40)



Date: 24.MAY.2021 14:48:42

Duty cycle = $0.635 \text{ ms} / 0.890 \text{ ms} = 71.35\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 1.47$

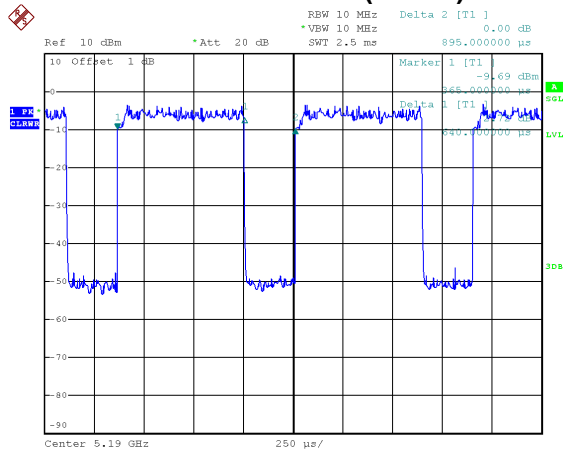
IEEE 802.11ac(VHT20)



Date: 24.MAY.2021 14:48:00

Duty cycle = $1.280 \text{ ms} / 1.535 \text{ ms} = 83.39\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.79$

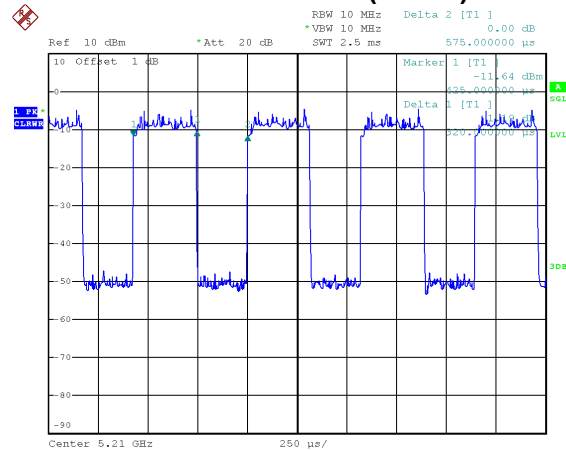
IEEE 802.11ac(VHT40)



Date: 24.MAY.2021 14:48:55

Duty cycle = 0.640 ms / 0.895 ms = 71.51%
 Duty Factor = 10 log(1 / Duty cycle) = 1.46

IEEE 802.11ac(VHT80)



Date: 24.MAY.2021 14:49:06

Duty cycle = 0.320 ms / 0.575 ms = 55.65%
 Duty Factor = 10 log(1 / Duty cycle) = 2.55

NOTE:

For IEEE 802.11a:

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

For IEEE 802.11n(HT20):

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

For IEEE 802.11ac(VHT20):

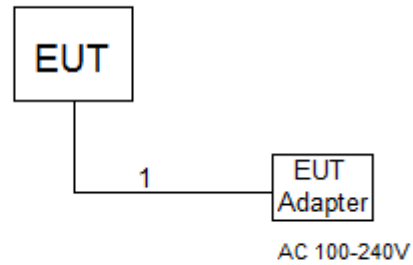
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

For IEEE 802.11ac(VHT40):

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

For IEEE 802.11ac(VHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 4 kHz (Duty cycle < 98%).

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED**2.6 SUPPORT UNITS**

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	N/A	N/A	1m

3. AC POWER LINE CONDUCTED EMISSIONS

3.1 LIMIT

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

NOTE:

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

3.2 TEST PROCEDURE

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

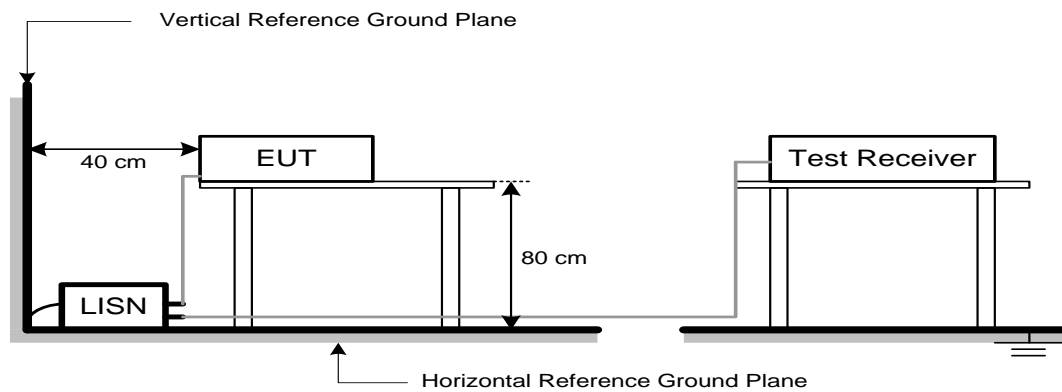
The following table is the setting of the receiver:

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

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

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

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

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS

4.1 LIMIT

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

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

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

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

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.2
5725-5850 NOTE (2)	-27	68.2
	10	105.2
	15.6	110.8
	27	122.2

NOTE:

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

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

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

4.2 TEST PROCEDURE

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

The following table is the setting of the receiver:

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

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

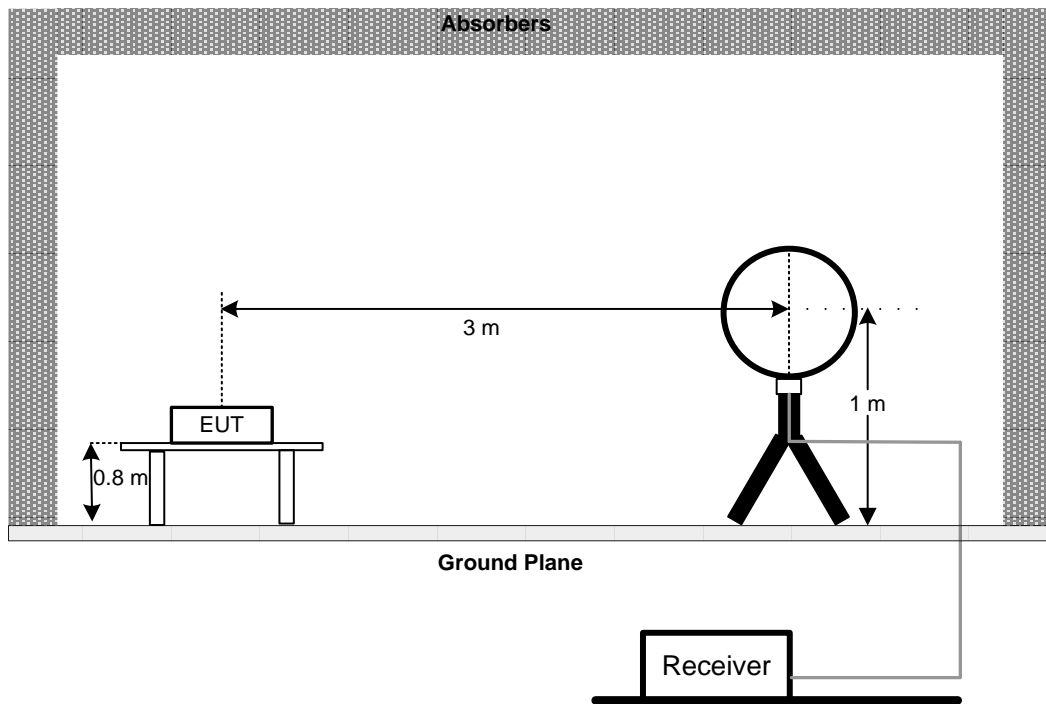
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

4.3 DEVIATION FROM TEST STANDARD

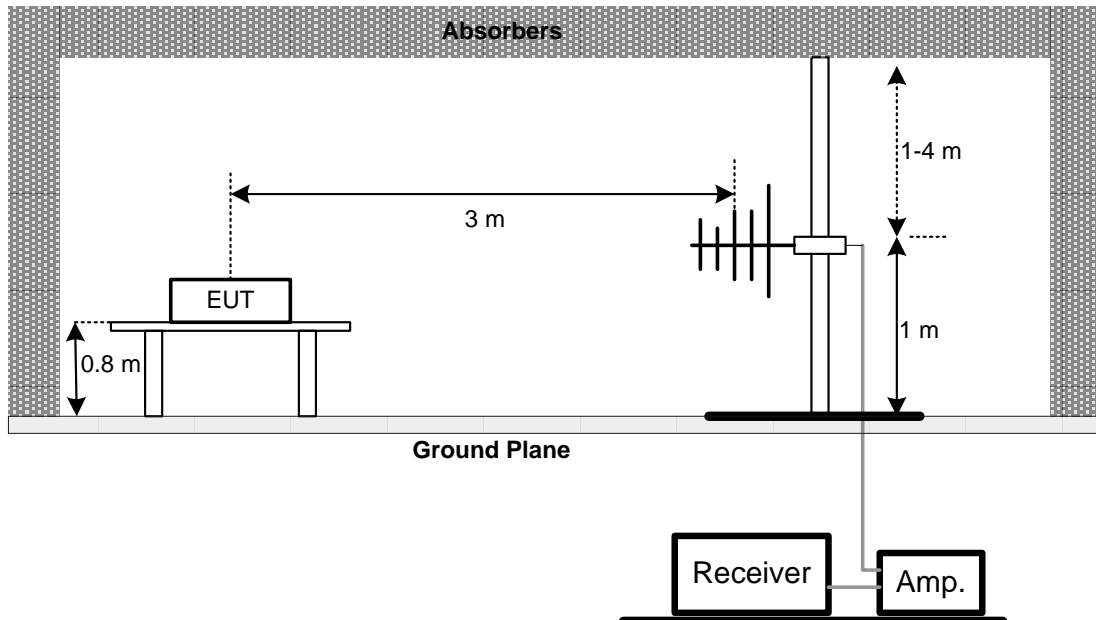
No deviation.

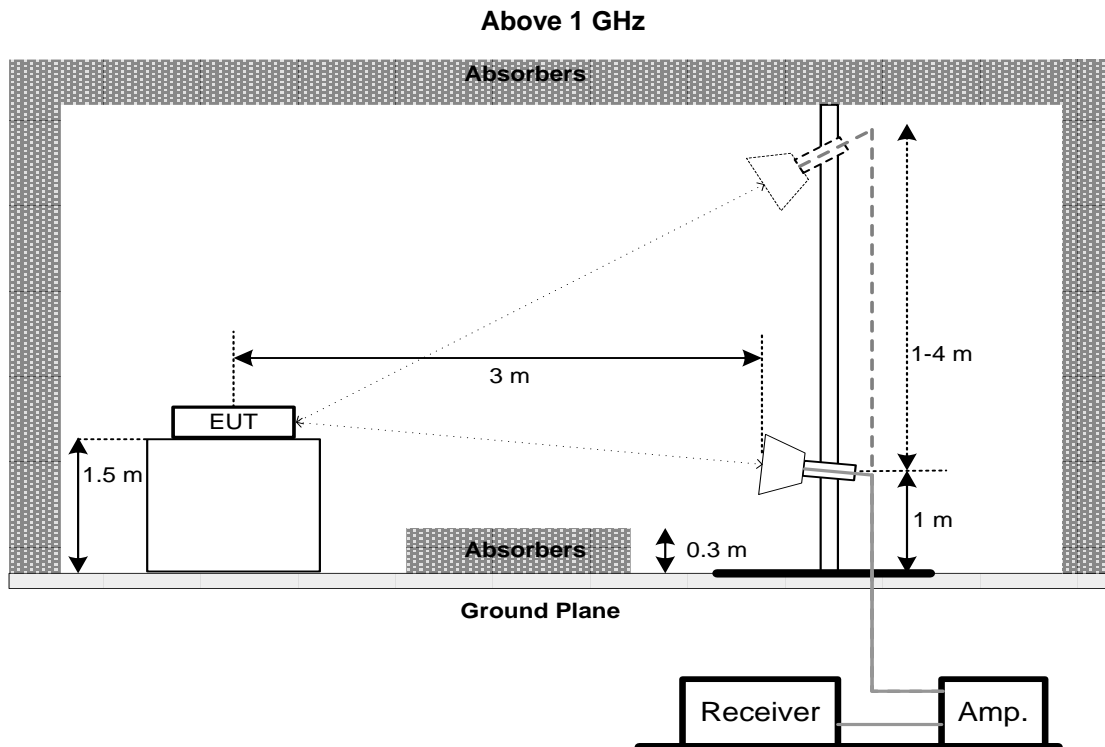
4.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz





4.5 EUT OPERATION CONDITIONS

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

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

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

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

5. BANDWIDTH

5.1 LIMIT

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

5.2 TEST PROCEDURE

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

b. Spectrum Setting:

For UNII-1:

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:

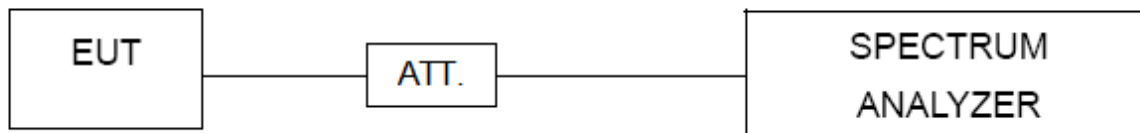
Spectrum Parameter	Setting
Span Frequency	> 6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

c. Measured the spectrum width with power higher than 26 dB / 6 dB below carrier.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER

6.1 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)	5725-5850
		1 Watt (30dBm)	5725-5850

Note:

- a. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

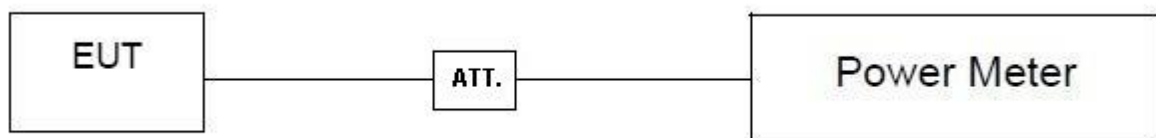
6.2 TEST PROCEDURE

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

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. POWER SPECTRAL DENSITY

7.1 LIMIT

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

7.2 TEST PROCEDURE

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

For UNII-1:

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

For UNII-3:

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

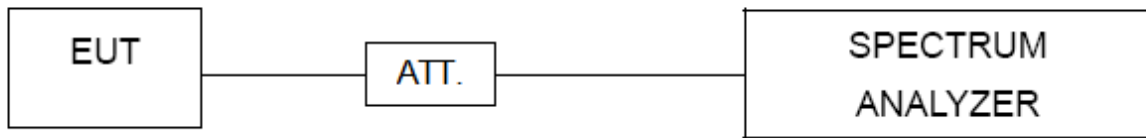
Note:

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

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. FREQUENCY STABILITY

8.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(g)	Frequency Stability	An emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.	5150-5250
			5725-5850

8.2 TEST PROCEDURE

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

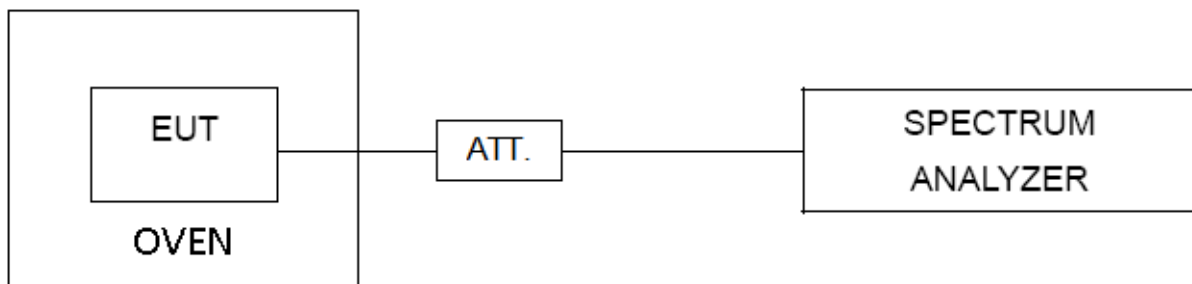
Spectrum Parameter	Setting
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- User manual temperature is 0°C~30°C.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 20, 2022
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Aug. 23, 2021
3	Test Cable	emci	EMCRG400-BM-NM-10000	170628	Apr. 11, 2022
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 21, 2022
5	50Ω Terminator	SHX	TF2-1G-A	17051602	Mar. 20, 2022
6	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 20, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	Apr. 15, 2022
2	Cable	N/A	EMCRG400-BM-NM-10000	170628	Apr. 11, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2022
4	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Mar. 26, 2022
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 20, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2022
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 11, 2022
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 11, 2022
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 11, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	9120D	9120D-1786	Mar. 26, 2022
2	Pre-Amplifier	emci	EMC012645SE	980421	May. 10, 2022
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 20, 2022
4	Test Cable	emci	EMC104-SM-SM-700 0	170330	Apr. 11, 2022
5	Test Cable	emci	EMC104-SM-SM-100 0	170331	Apr. 11, 2022
6	Test Cable	emci	EMC104-SM-NM-350 0	170621	Apr. 11, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2022
9	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	Mar. 27, 2022
10	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 20, 2022
11	Test Cable	emci	EMC102-KM-KM-800	170654	Apr. 15, 2022
12	Test Cable	emci	Super Reliable-40G-SS11-7 000	W0030860001	Apr. 15, 2022

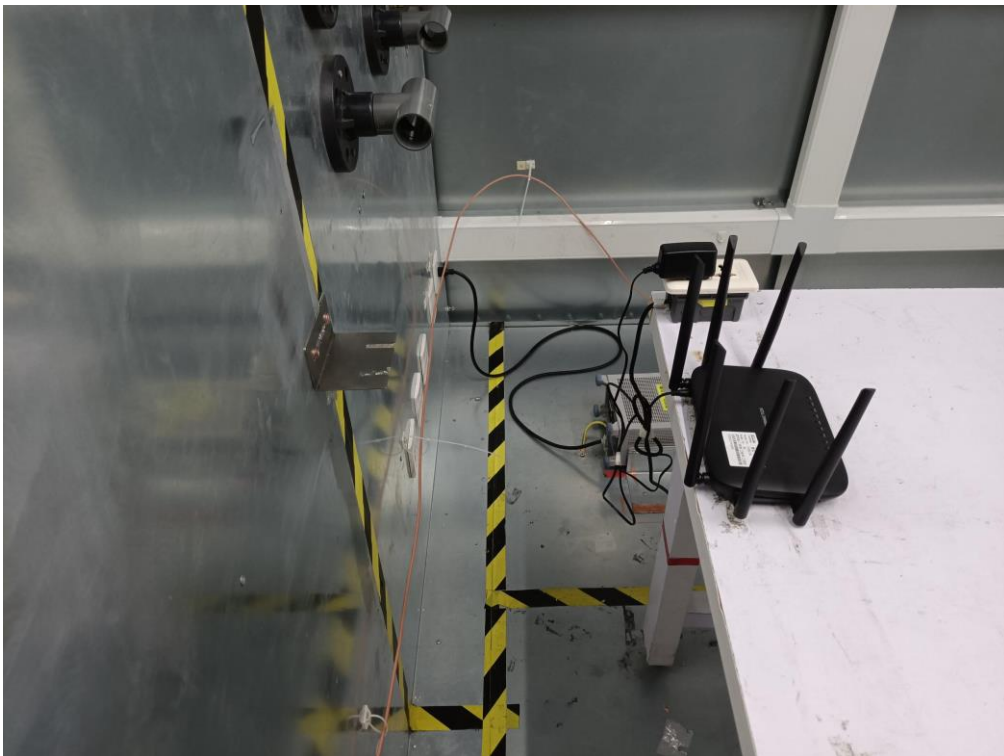
Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 07, 2022
2	Attenuator	Solvang Technology	5.8GHz 0-65dB	STI02-0203-01	Aug. 23, 2021

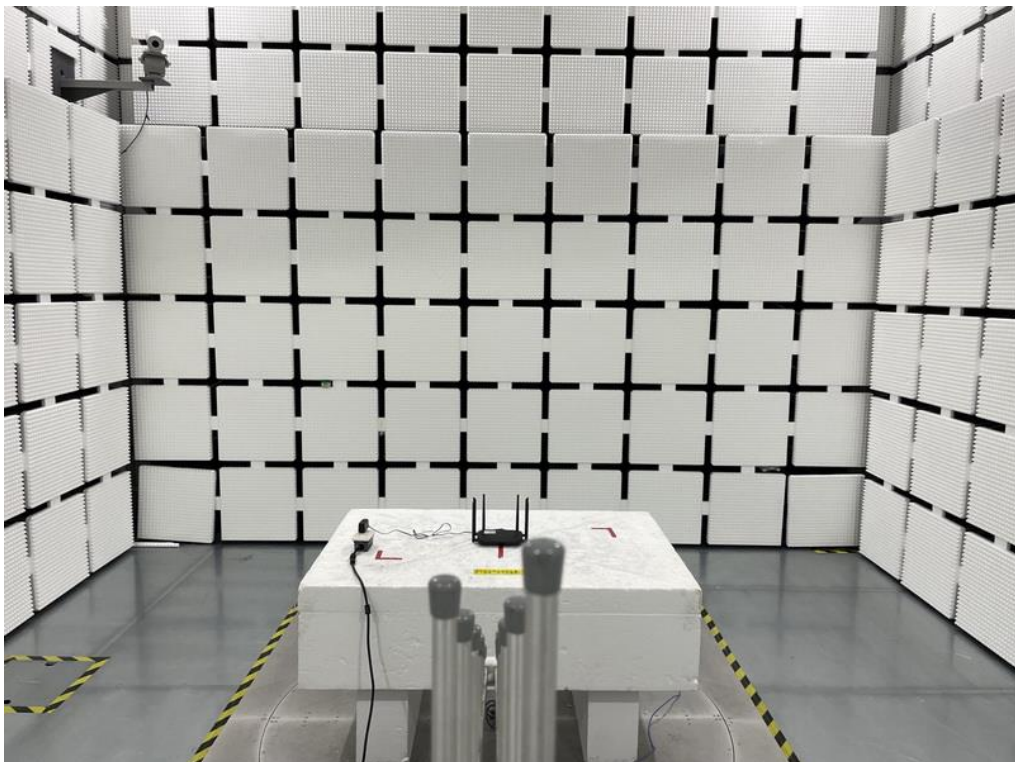
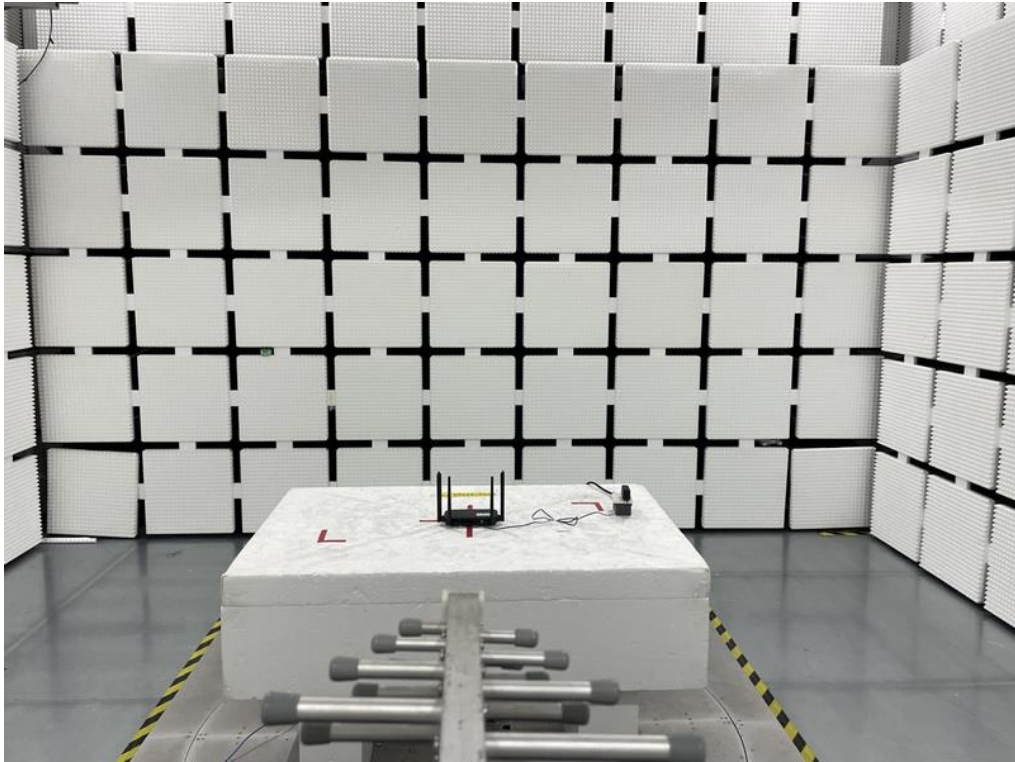
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 07, 2022
2	Attenuator	Solvang Technology	5.8GHz 0-65dB	STI02-0203-01	Aug. 23, 2021

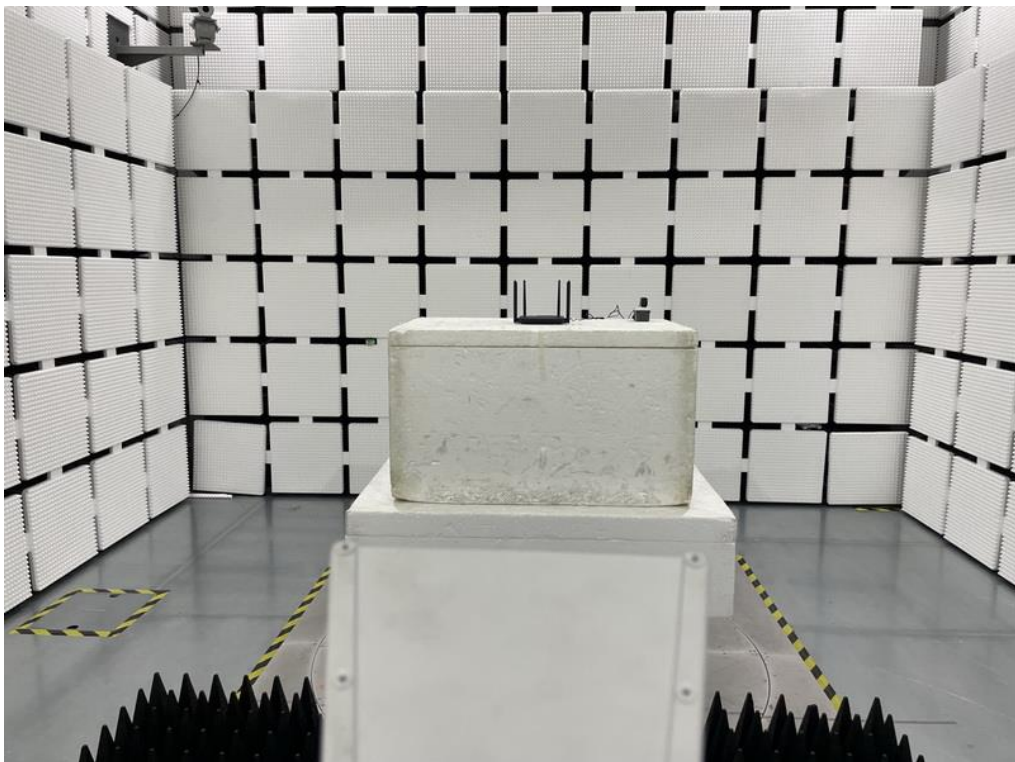
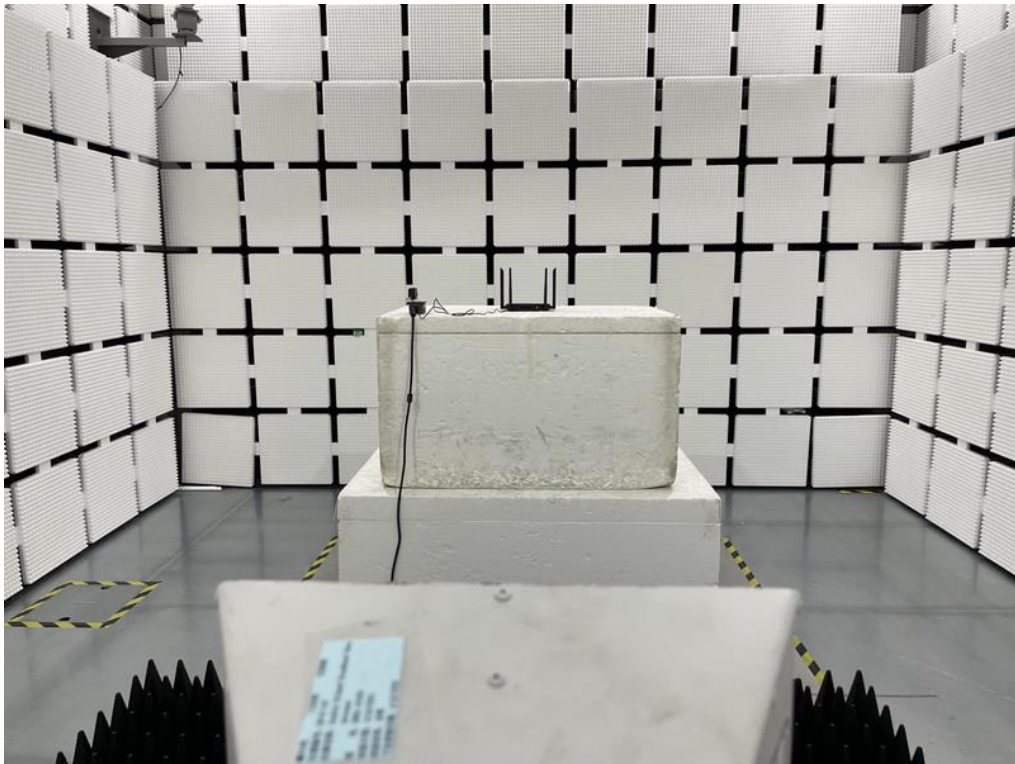
Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 07, 2022
2	Attenuator	Solvang Technology	5.8GHz 0-65dB	STI02-0203-01	Aug. 23, 2021

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

All calibration period of equipment list is one year.

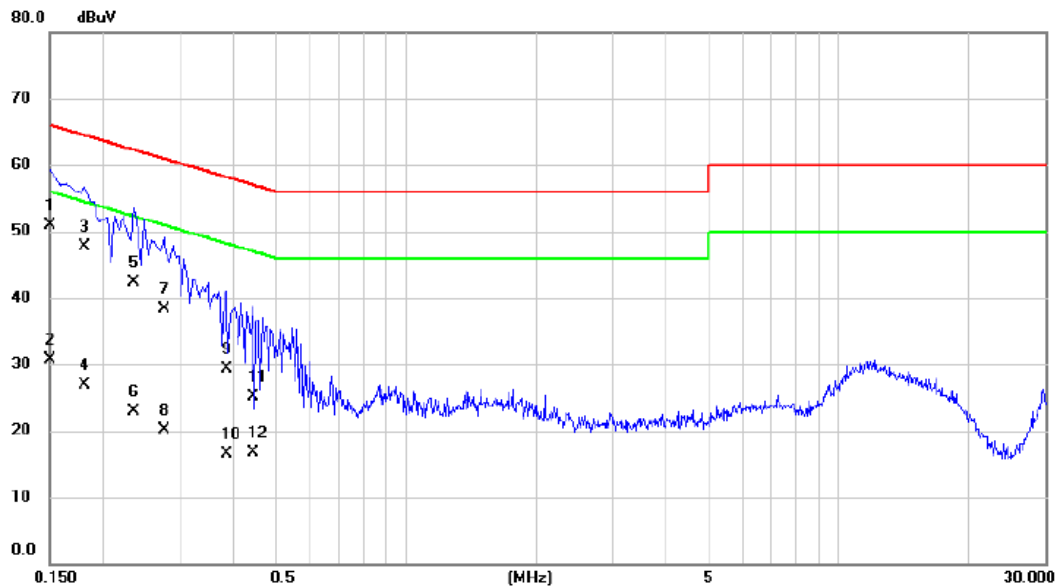
10. EUT TEST PHOTOS**AC Power Line Conducted Emissions Test Photos**

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

Radiated Emissions Test Photos**Above 1 GHz**

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX N(HT40) Mode Channel 159 (UNII-3)	Phase	Line
Test Voltage	AC 120V/60Hz		

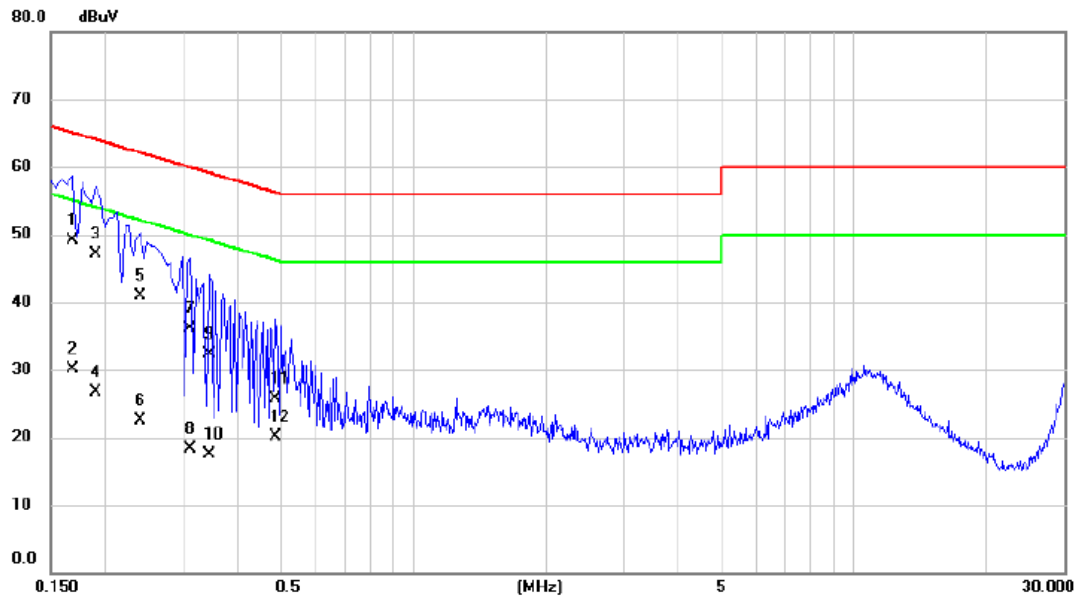


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1500	41.20	9.71	50.91	66.00	-15.09	QP	
2		0.1500	20.90	9.71	30.61	56.00	-25.39	AVG	
3		0.1815	37.90	9.73	47.63	64.42	-16.79	QP	
4		0.1815	17.10	9.73	26.83	54.42	-27.59	AVG	
5		0.2355	32.50	9.74	42.24	62.25	-20.01	QP	
6		0.2355	13.10	9.74	22.84	52.25	-29.41	AVG	
7		0.2760	28.60	9.76	38.36	60.94	-22.58	QP	
8		0.2760	10.30	9.76	20.06	50.94	-30.88	AVG	
9		0.3840	19.50	9.78	29.28	58.19	-28.91	QP	
10		0.3840	6.80	9.78	16.58	48.19	-31.61	AVG	
11		0.4425	15.30	9.78	25.08	57.01	-31.93	QP	
12		0.4425	7.00	9.78	16.78	47.01	-30.23	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) The test result has included the cable loss.

Test Mode	TX N(HT40) Mode Channel 159 (UNII-3)	Phase	Neutral
Test Voltage	AC 120V/60Hz		

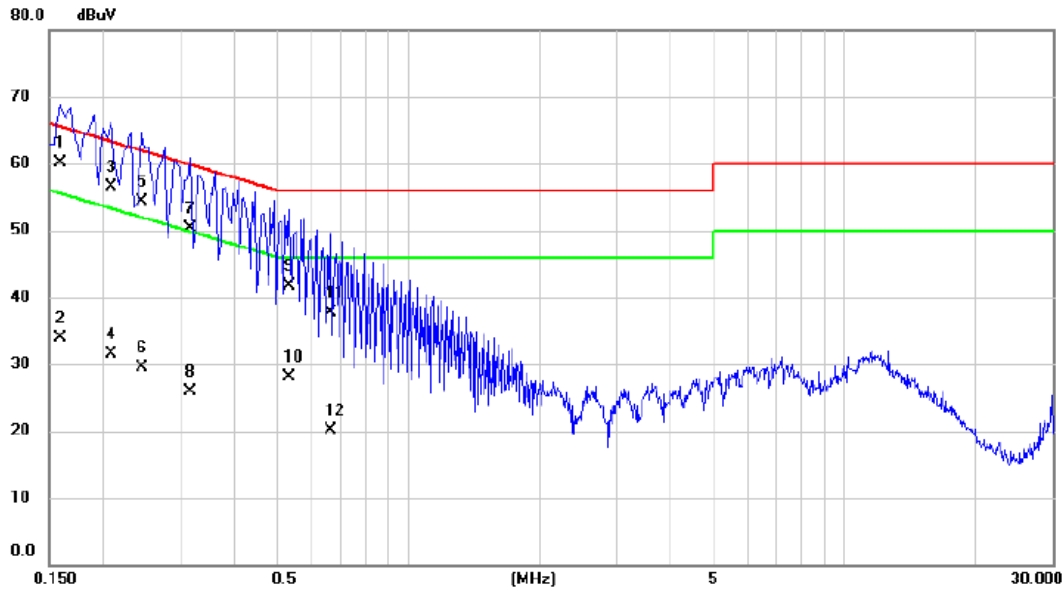


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1680	39.40	9.70	49.10	65.06	-15.96	QP	
2		0.1680	20.50	9.70	30.20	55.06	-24.86	AVG	
3		0.1905	37.40	9.71	47.11	64.01	-16.90	QP	
4		0.1905	16.90	9.71	26.61	54.01	-27.40	AVG	
5		0.2400	31.20	9.72	40.92	62.10	-21.18	QP	
6		0.2400	12.80	9.72	22.52	52.10	-29.58	AVG	
7		0.3120	26.30	9.73	36.03	59.92	-23.89	QP	
8		0.3120	8.50	9.73	18.23	49.92	-31.69	AVG	
9		0.3435	22.50	9.74	32.24	59.12	-26.88	QP	
10		0.3435	7.70	9.74	17.44	49.12	-31.68	AVG	
11		0.4875	15.90	9.77	25.67	56.21	-30.54	QP	
12		0.4875	10.40	9.77	20.17	46.21	-26.04	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) The test result has included the cable loss.

Test Mode	TX N(HT40) Mode Channel 159 (UNII-3)	Phase	Line
Test Voltage	AC 240V/50Hz		

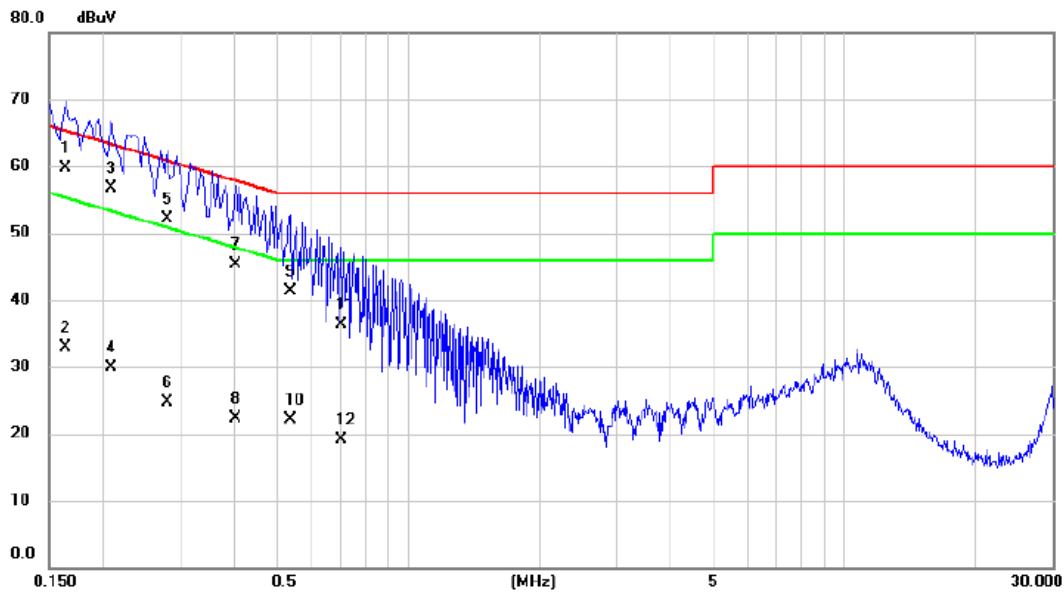


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1590	50.30	9.72	60.02	65.52	-5.50	QP	
2		0.1590	24.10	9.72	33.82	55.52	-21.70	AVG	
3		0.2085	46.80	9.74	56.54	63.26	-6.72	QP	
4		0.2085	21.80	9.74	31.54	53.26	-21.72	AVG	
5		0.2445	44.60	9.74	54.34	61.94	-7.60	QP	
6		0.2445	19.80	9.74	29.54	51.94	-22.40	AVG	
7		0.3165	40.50	9.76	50.26	59.80	-9.54	QP	
8		0.3165	16.20	9.76	25.96	49.80	-23.84	AVG	
9		0.5324	31.90	9.80	41.70	56.00	-14.30	QP	
10		0.5324	18.30	9.80	28.10	46.00	-17.90	AVG	
11		0.6630	27.80	9.81	37.61	56.00	-18.39	QP	
12		0.6630	10.30	9.81	20.11	46.00	-25.89	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) The test result has included the cable loss.

Test Mode	TX N(HT40) Mode Channel 159 (UNII-3)	Phase	Neutral
Test Voltage	AC 240V/50Hz		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1635	50.00	9.70	59.70	65.28	-5.58	QP	
2		0.1635	23.20	9.70	32.90	55.28	-22.38	AVG	
3		0.2085	47.00	9.71	56.71	63.26	-6.55	QP	
4		0.2085	20.10	9.71	29.81	53.26	-23.45	AVG	
5		0.2805	42.40	9.73	52.13	60.80	-8.67	QP	
6		0.2805	15.00	9.73	24.73	50.80	-26.07	AVG	
7		0.4020	35.60	9.76	45.36	57.81	-12.45	QP	
8		0.4020	12.50	9.76	22.26	47.81	-25.55	AVG	
9		0.5370	31.60	9.78	41.38	56.00	-14.62	QP	
10		0.5370	12.30	9.78	22.08	46.00	-23.92	AVG	
11		0.7035	26.60	9.80	36.40	56.00	-19.60	QP	
12		0.7035	9.30	9.80	19.10	46.00	-26.90	AVG	

REMARKS:

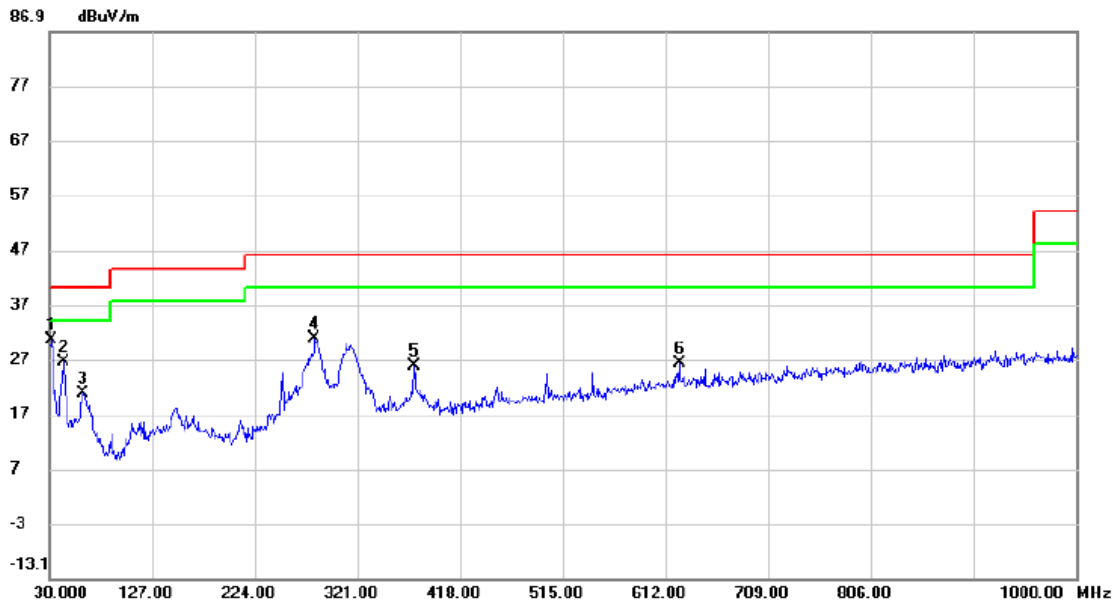
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) The test result has included the cable loss.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Note: The measured value have enough margin over 20dB than the limit, therefore they are not reported.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX N(HT40) Mode Channel 159 (UNII-3)	Polarization	Vertical
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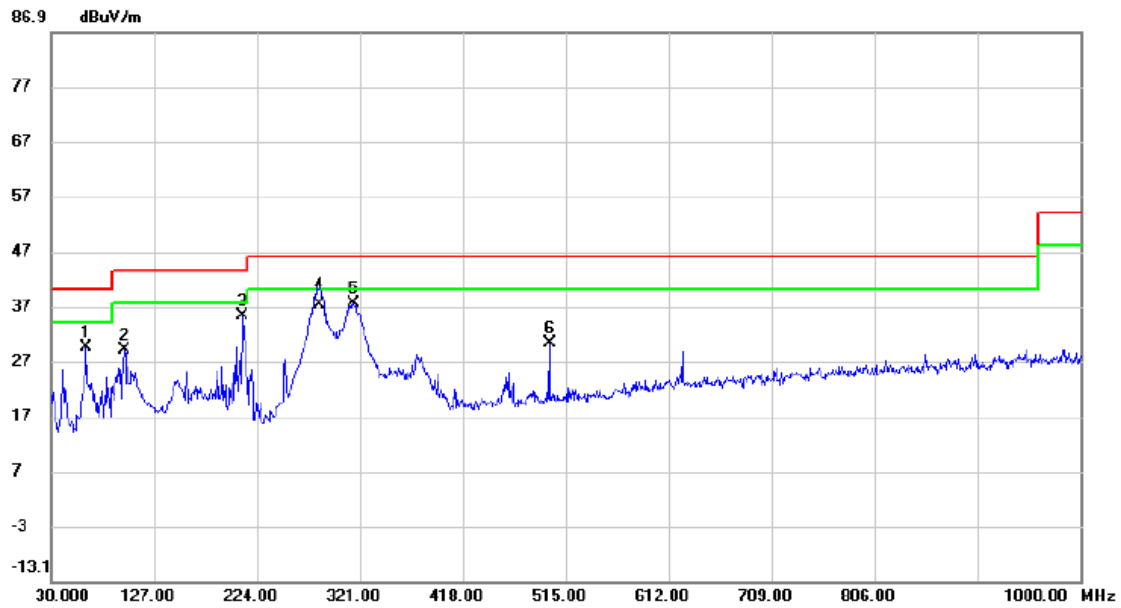


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	31.9400	48.93	-18.34	30.59	40.00	-9.41	peak	
2		43.0950	43.59	-17.06	26.53	40.00	-13.47	peak	
3		62.0100	38.21	-17.42	20.79	40.00	-19.21	peak	
4		280.7450	46.93	-16.07	30.86	46.00	-15.14	peak	
5		374.8350	39.60	-13.90	25.70	46.00	-20.30	peak	
6		625.0950	35.18	-8.86	26.32	46.00	-19.68	peak	

REMARKS:

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

Test Mode	TX N(HT40) Mode Channel 159 (UNII-3)	Polarization	Horizontal
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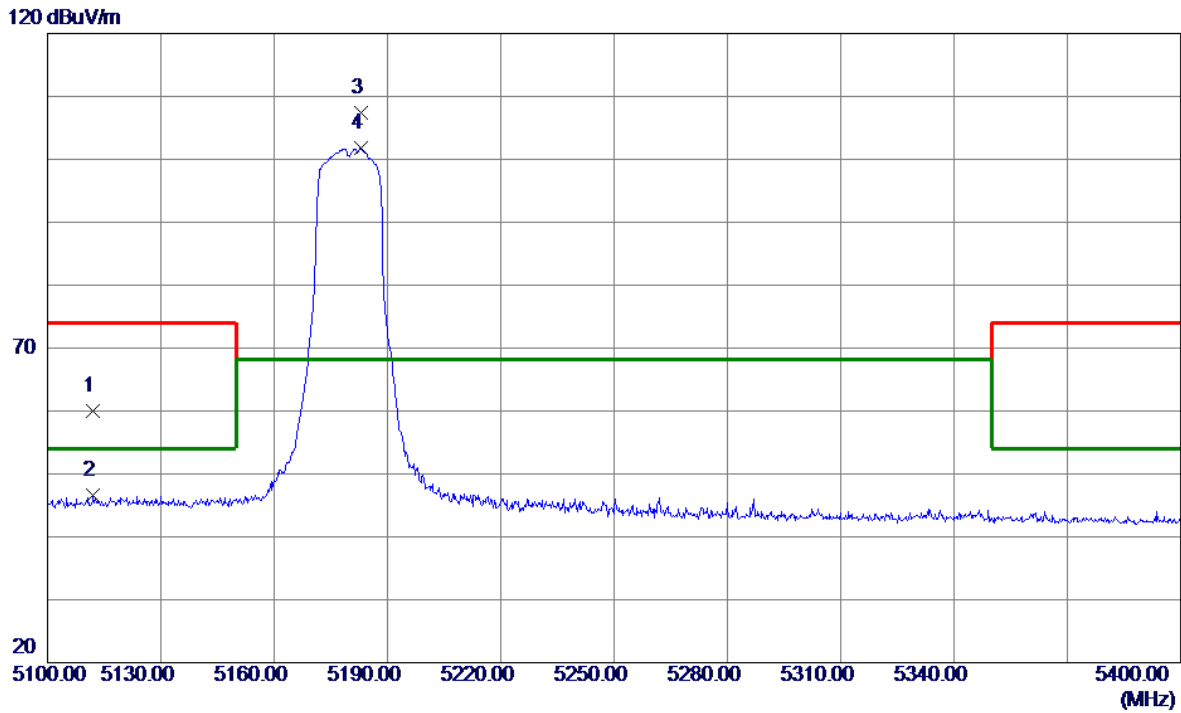
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		62.9800	46.98	-17.54	29.44	40.00	-10.56	peak	
2		98.8700	50.33	-21.33	29.00	43.50	-14.50	peak	
3	*	210.4200	54.69	-19.37	35.32	43.50	-8.18	peak	
4		283.1700	53.26	-16.01	37.25	46.00	-8.75	QP	
5		315.6650	52.64	-15.17	37.47	46.00	-8.53	peak	
6		499.9650	41.60	-11.21	30.39	46.00	-15.61	peak	

REMARKS:

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

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

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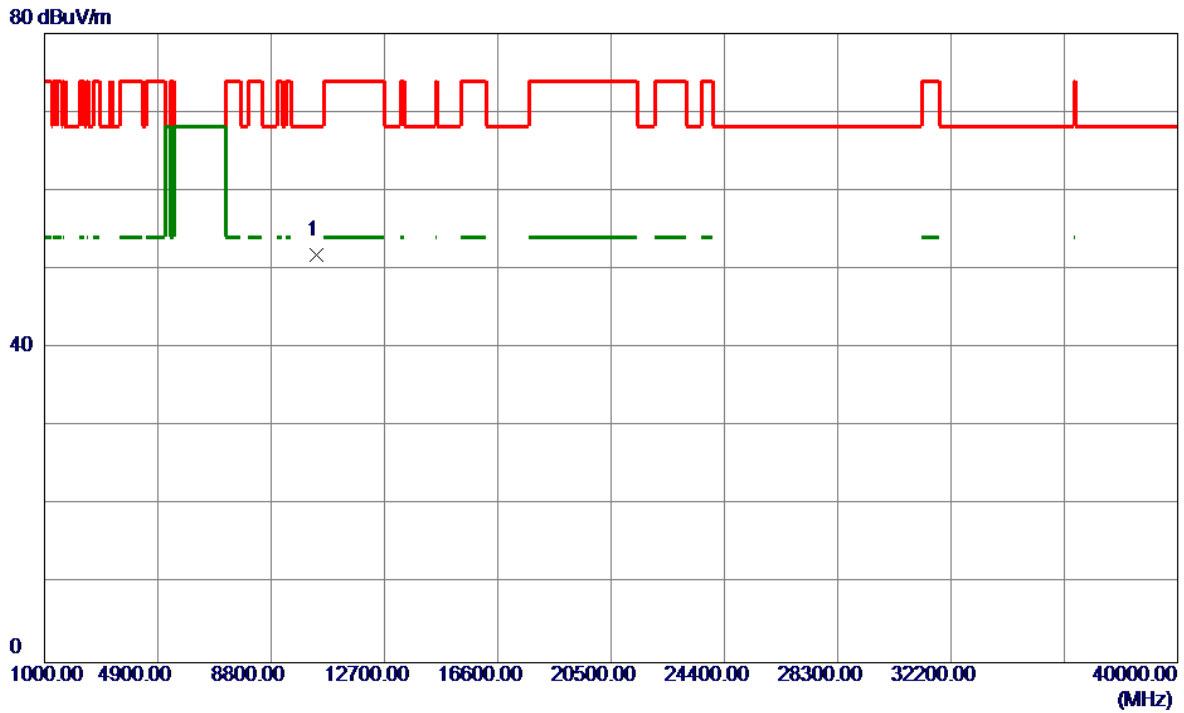


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5112.0000	22.04	38.02	60.06	74.00	-13.94	Peak	
2	5112.0000	8.49	38.02	46.51	54.00	-7.49	AVG	
3 *	5182.9500	69.74	37.75	107.49	68.20	39.29	Peak	NO limit
4	5182.9500	64.11	37.75	101.86	68.20	33.66	AVG	NO limit

REMARKS:

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

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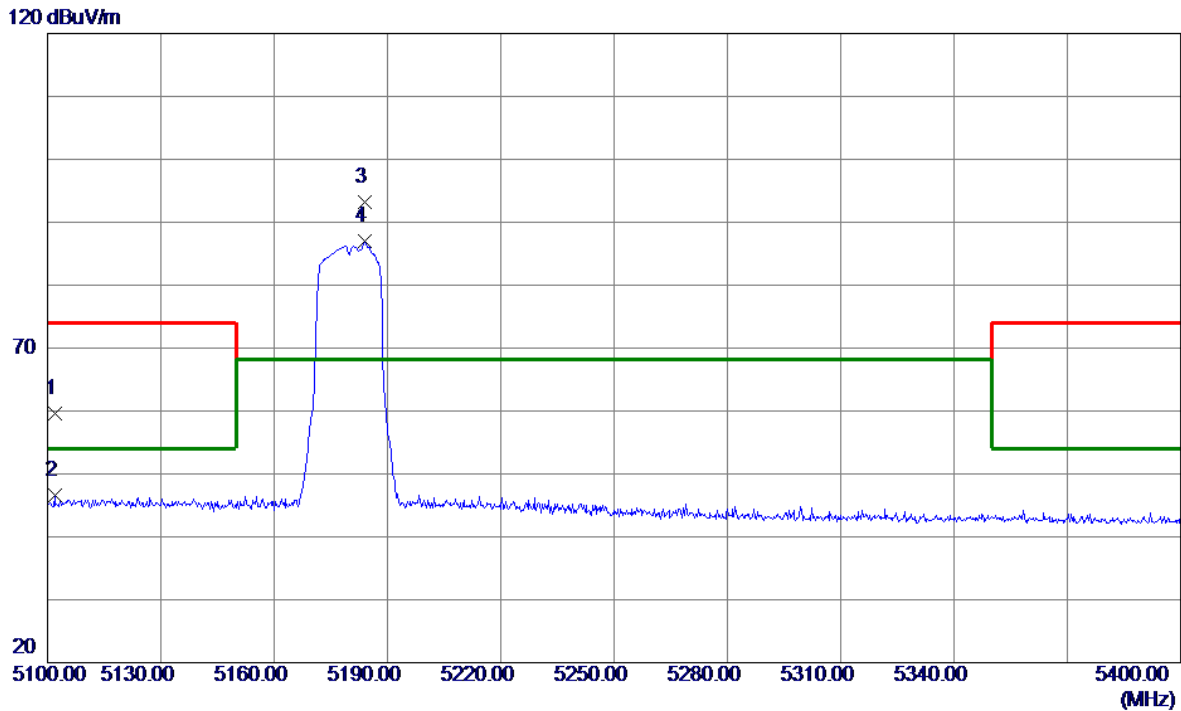


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.0000	49.33	2.56	51.89	68.20	-16.31	Peak	

REMARKS:

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

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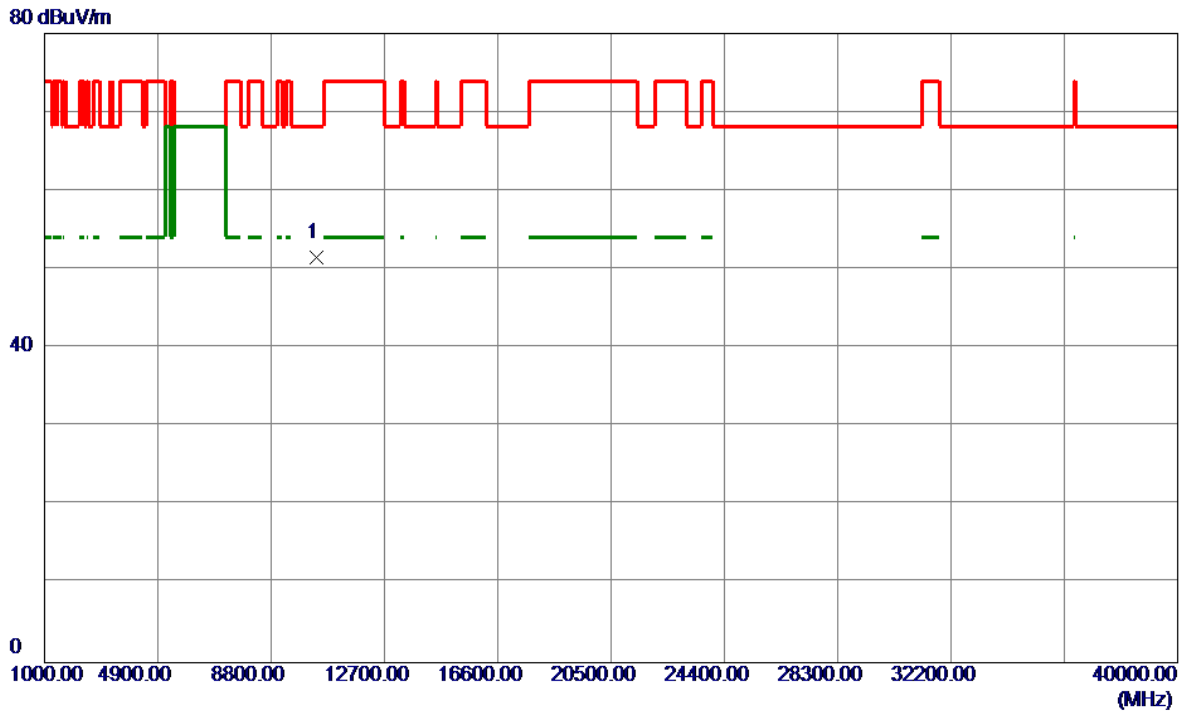


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5101.9500	21.54	38.06	59.60	74.00	-14.40	Peak	
2	5101.9500	8.59	38.06	46.65	54.00	-7.35	AVG	
3 *	5183.8500	55.52	37.74	93.26	68.20	25.06	Peak	NO limit
4	5183.8500	49.20	37.74	86.94	68.20	18.74	AVG	NO limit

REMARKS:

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

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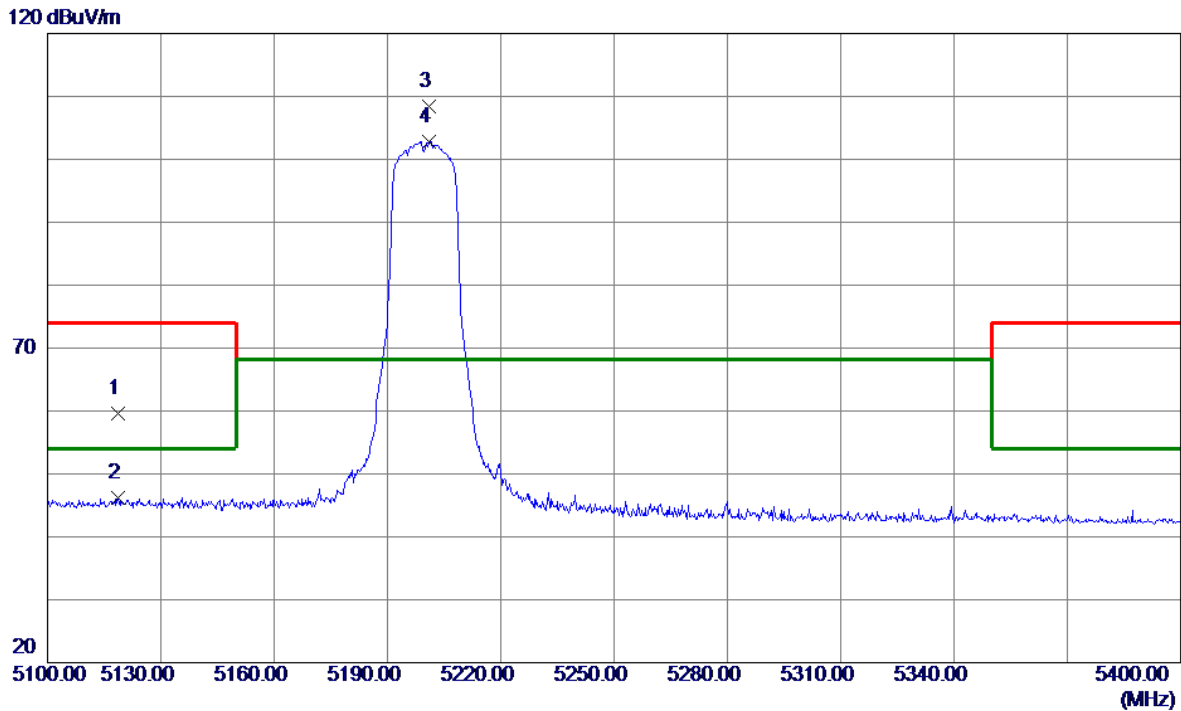


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.0000	49.02	2.56	51.58	68.20	-16.62	Peak	

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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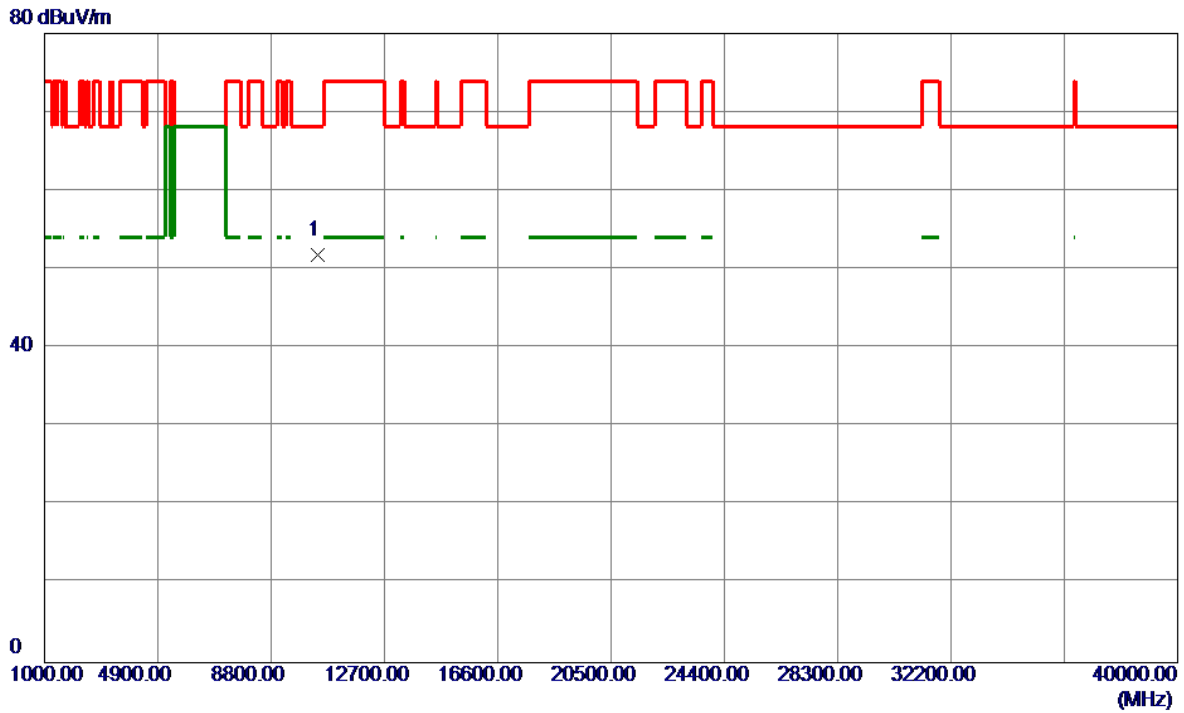


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5118.6000	21.65	38.00	59.65	74.00	-14.35	Peak	
2	5118.6000	8.15	38.00	46.15	54.00	-7.85	AVG	
3 *	5201.1000	70.79	37.68	108.47	68.20	40.27	Peak	NO limit
4	5201.1000	65.12	37.68	102.80	68.20	34.60	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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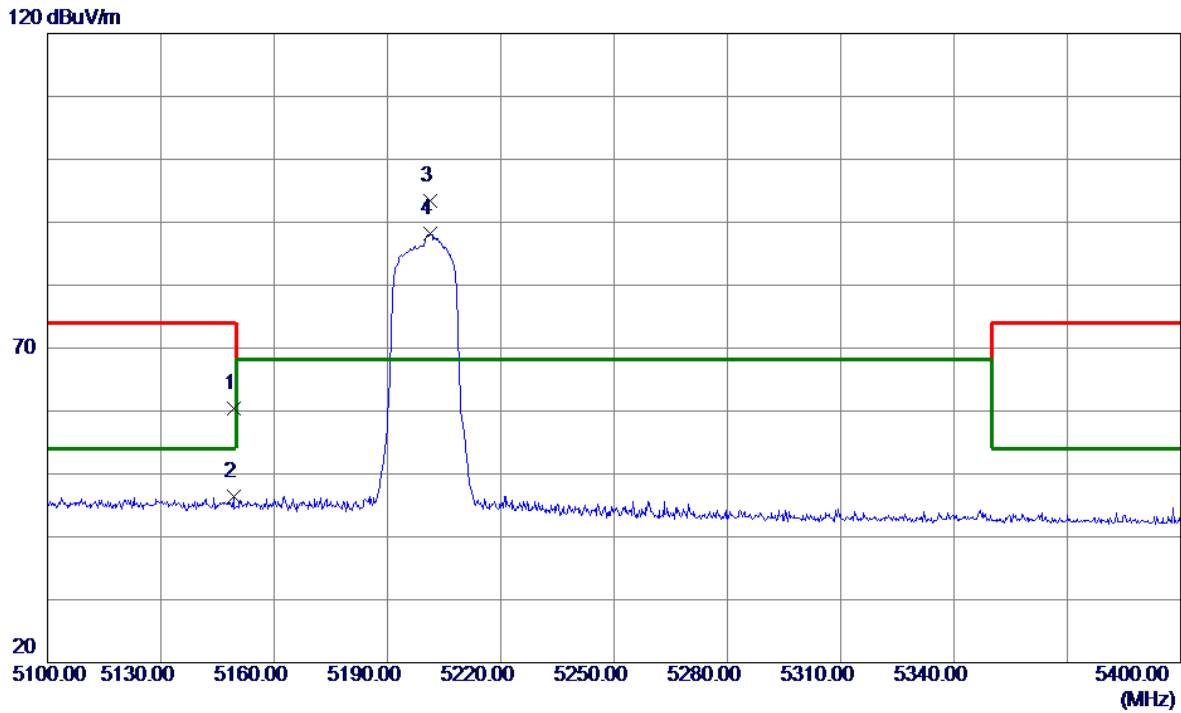


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.0000	49.05	2.73	51.78	68.20	-16.42	Peak	

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	Horizontal
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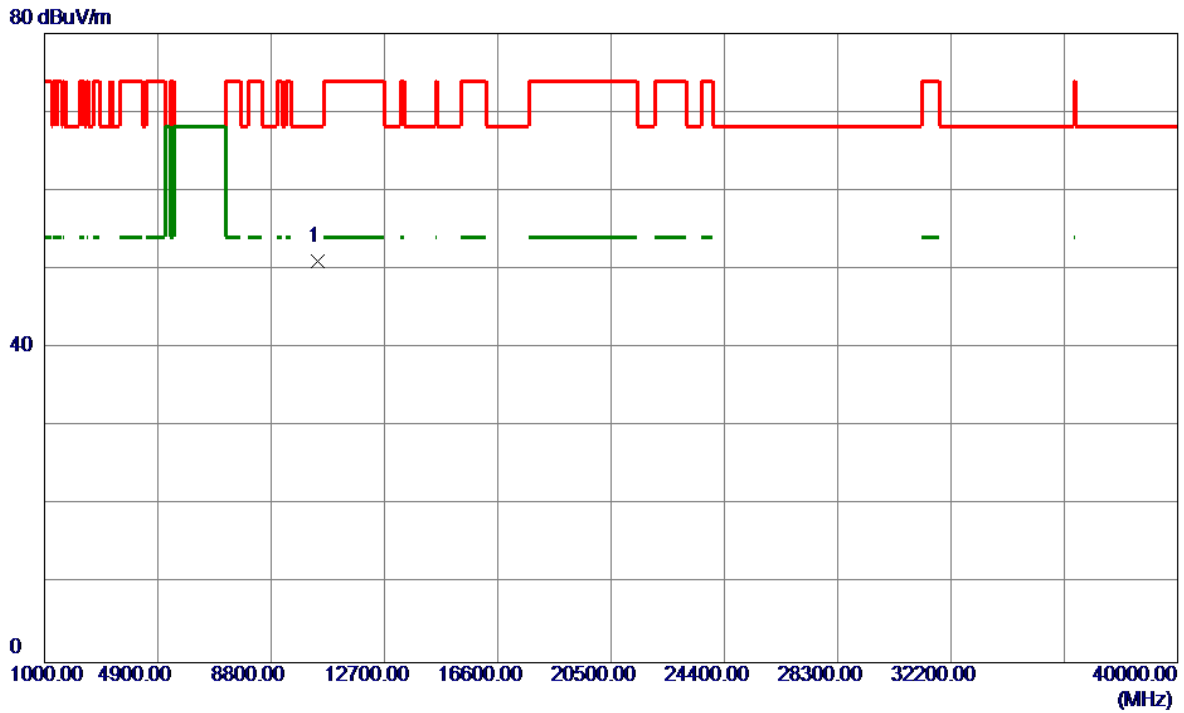


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5149.2000	22.50	37.88	60.38	74.00	-13.62	Peak	
2	5149.2000	8.61	37.88	46.49	54.00	-7.51	AVG	
3 *	5201.2500	55.73	37.68	93.41	68.20	25.21	Peak	NO limit
4	5201.2500	50.45	37.68	88.13	68.20	19.93	AVG	NO limit

REMARKS:

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

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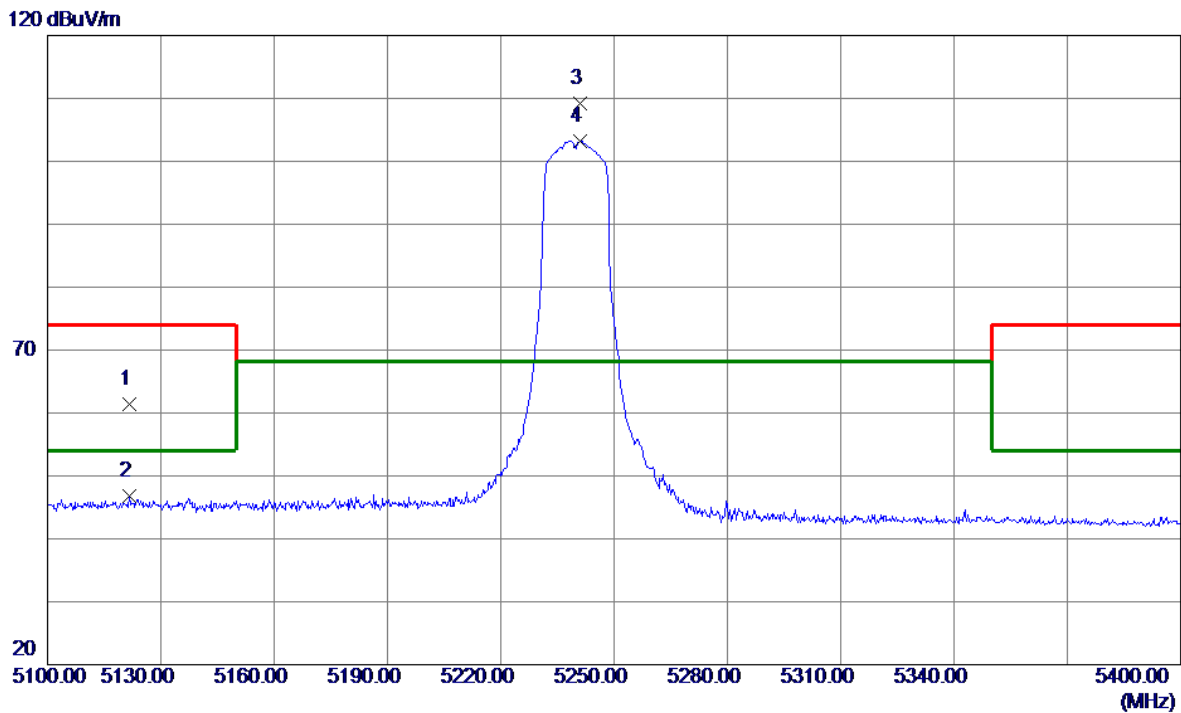


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.0000	48.39	2.73	51.12	68.20	-17.08	Peak	

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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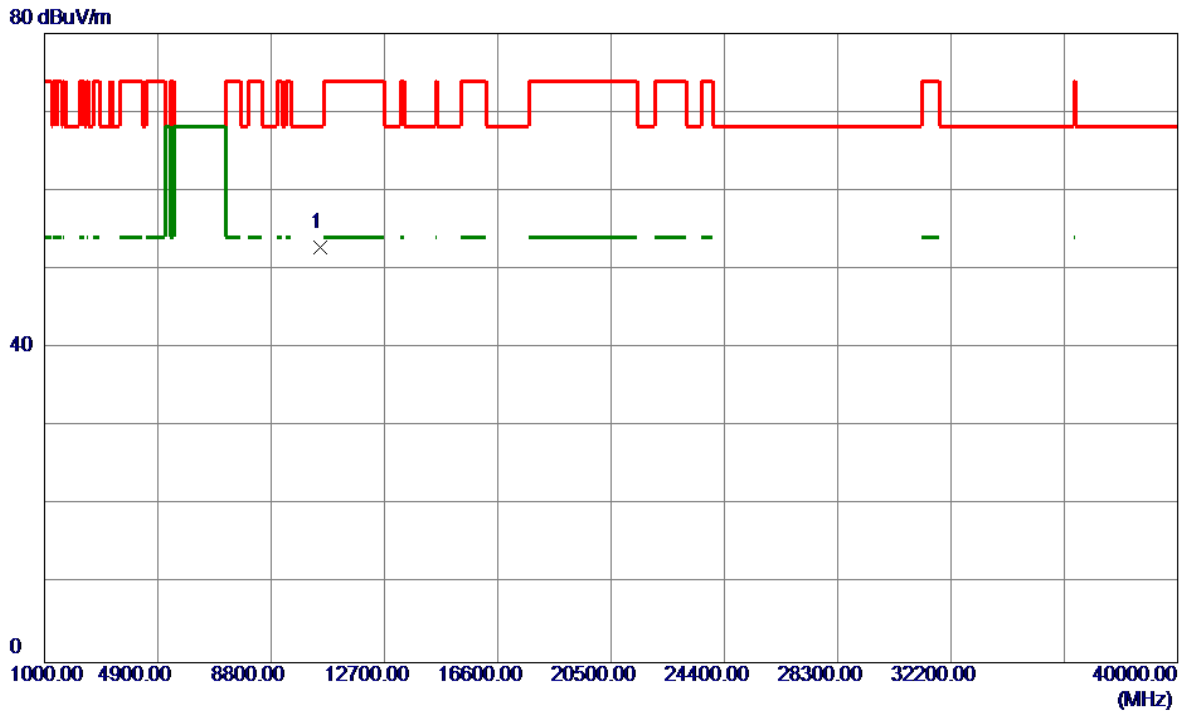


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5121.6000	23.32	37.99	61.31	74.00	-12.69	Peak	
2	5121.6000	8.90	37.99	46.89	54.00	-7.11	AVG	
3 *	5241.0000	71.64	37.62	109.26	68.20	41.06	Peak	NO limit
4	5241.0000	65.67	37.62	103.29	68.20	35.09	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 5240 MHz	Polarization	Vertical
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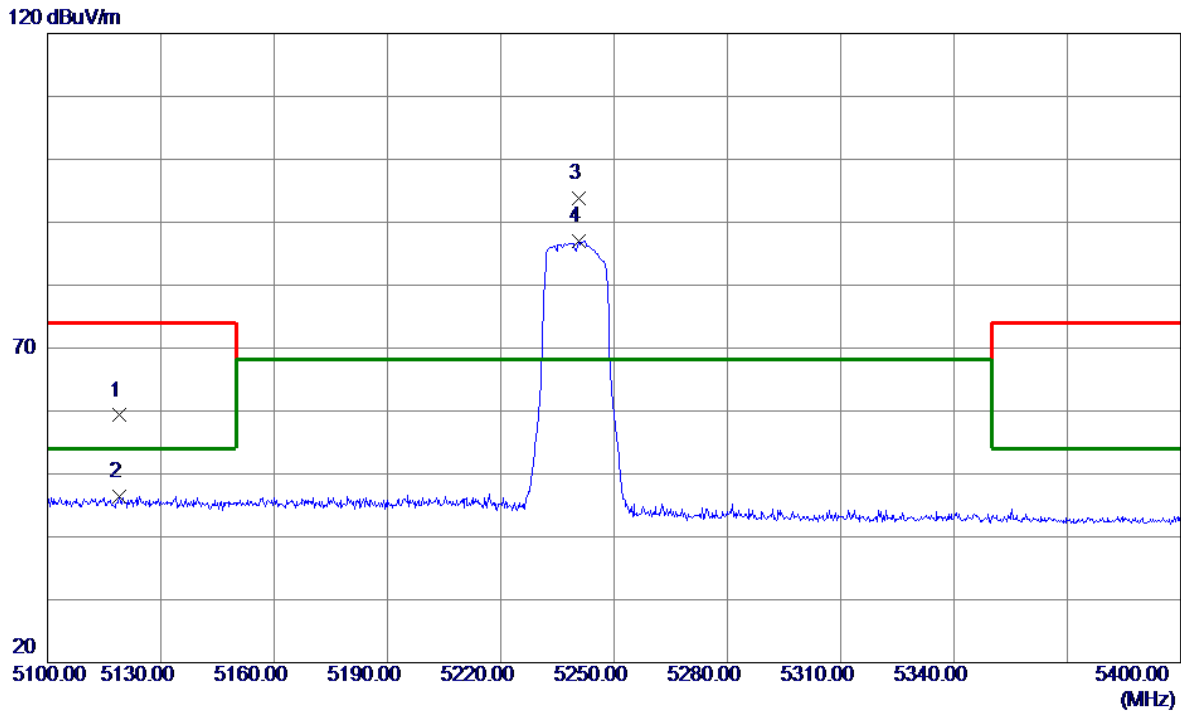


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10480.0000	49.80	3.01	52.81	68.20	-15.39	Peak	

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	Horizontal
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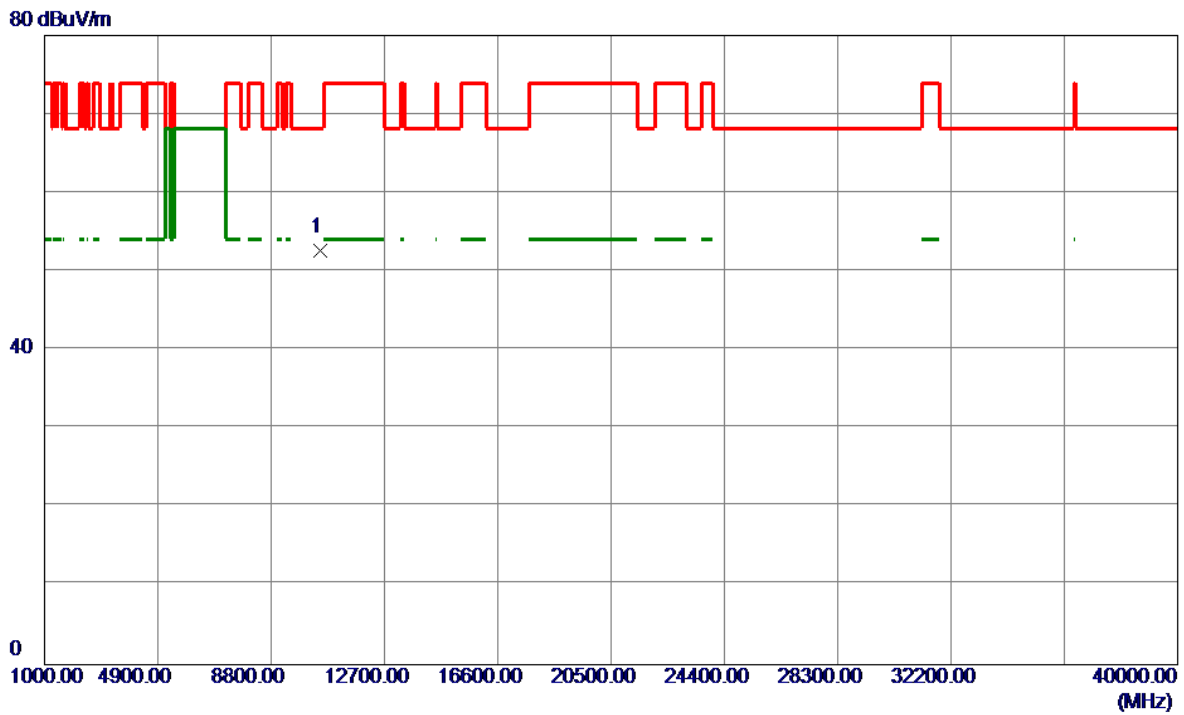


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5119.0500	21.30	38.00	59.30	74.00	-14.70	Peak	
2	5119.0500	8.46	38.00	46.46	54.00	-7.54	AVG	
3 *	5240.7000	56.17	37.62	93.79	68.20	25.59	Peak	NO limit
4	5240.7000	49.33	37.62	86.95	68.20	18.75	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 5240 MHz	Polarization	Horizontal
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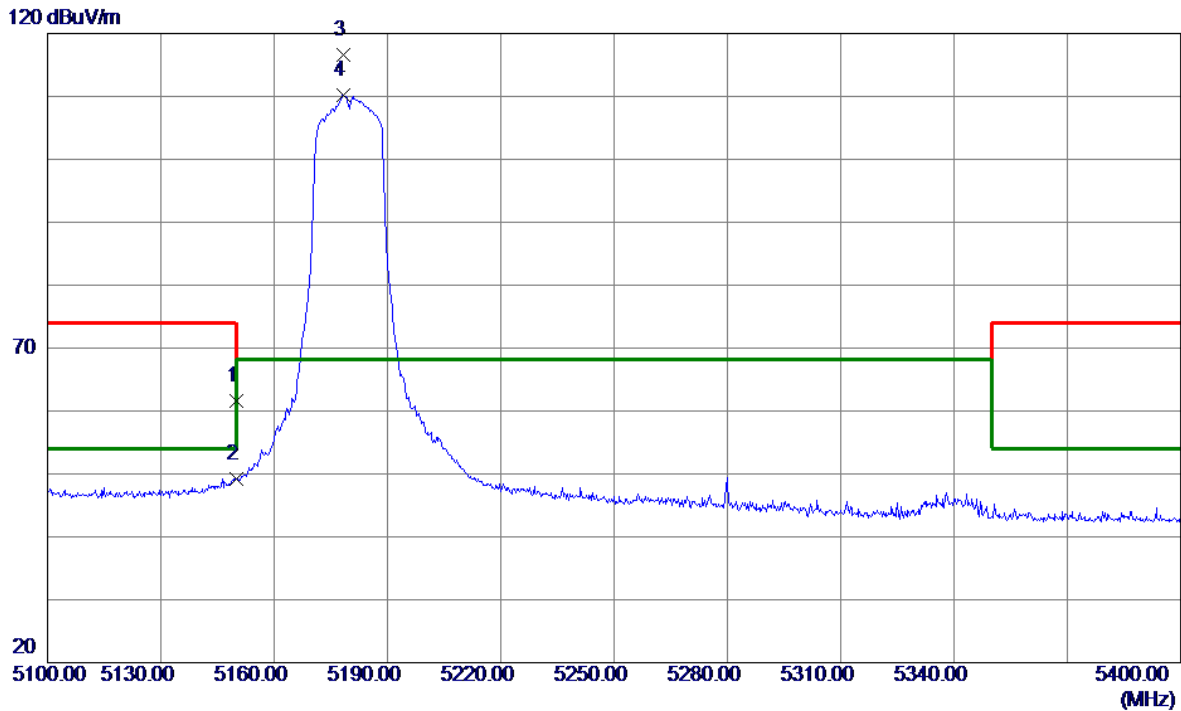


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10480.0000	49.55	3.01	52.56	68.20	-15.64	Peak	

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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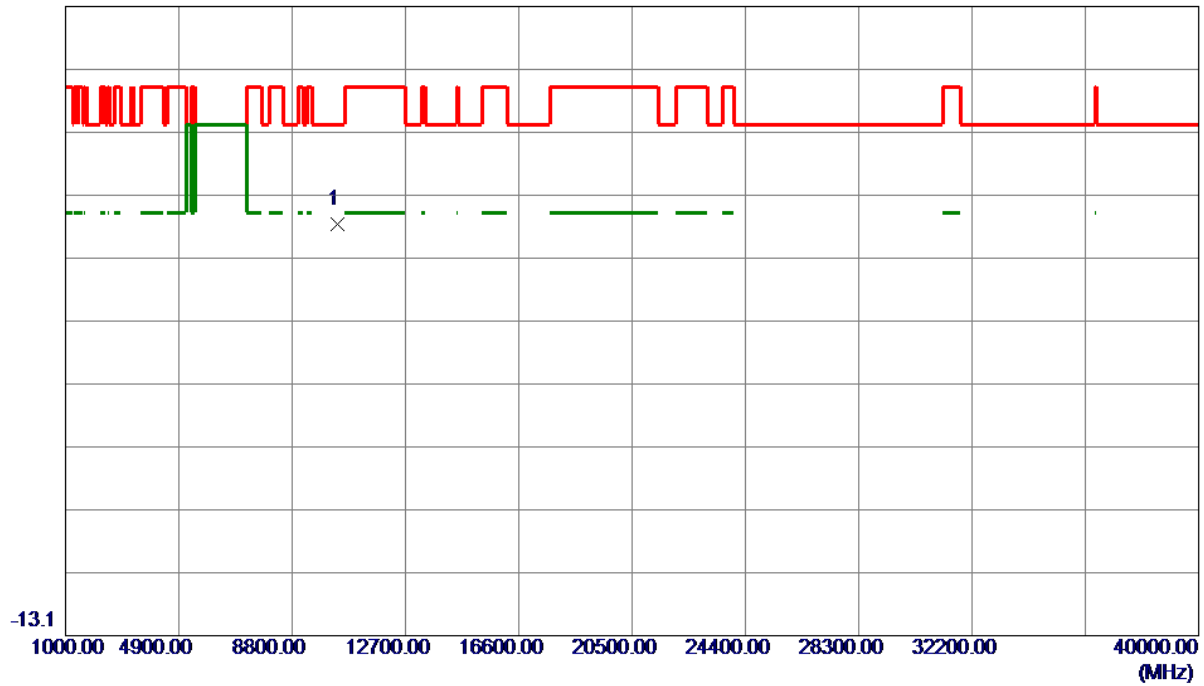
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.69	37.88	61.57	74.00	-12.43	Peak	
2	5150.0000	11.28	37.88	49.16	54.00	-4.84	AVG	
3 *	5178.3000	78.77	37.76	116.53	68.20	48.33	Peak	NO limit
4	5178.3000	72.38	37.76	110.14	68.20	41.94	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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86.9 dBuV/m

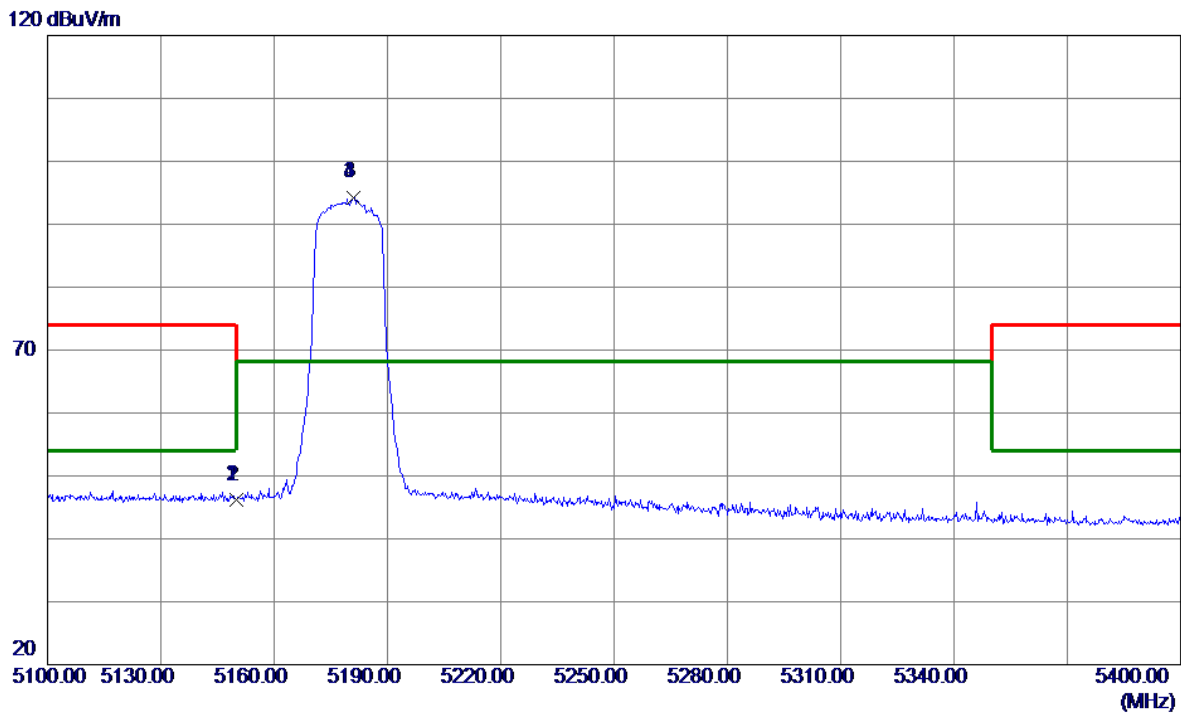


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.0000	49.71	2.56	52.27	68.20	-15.93	Peak	

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	Horizontal
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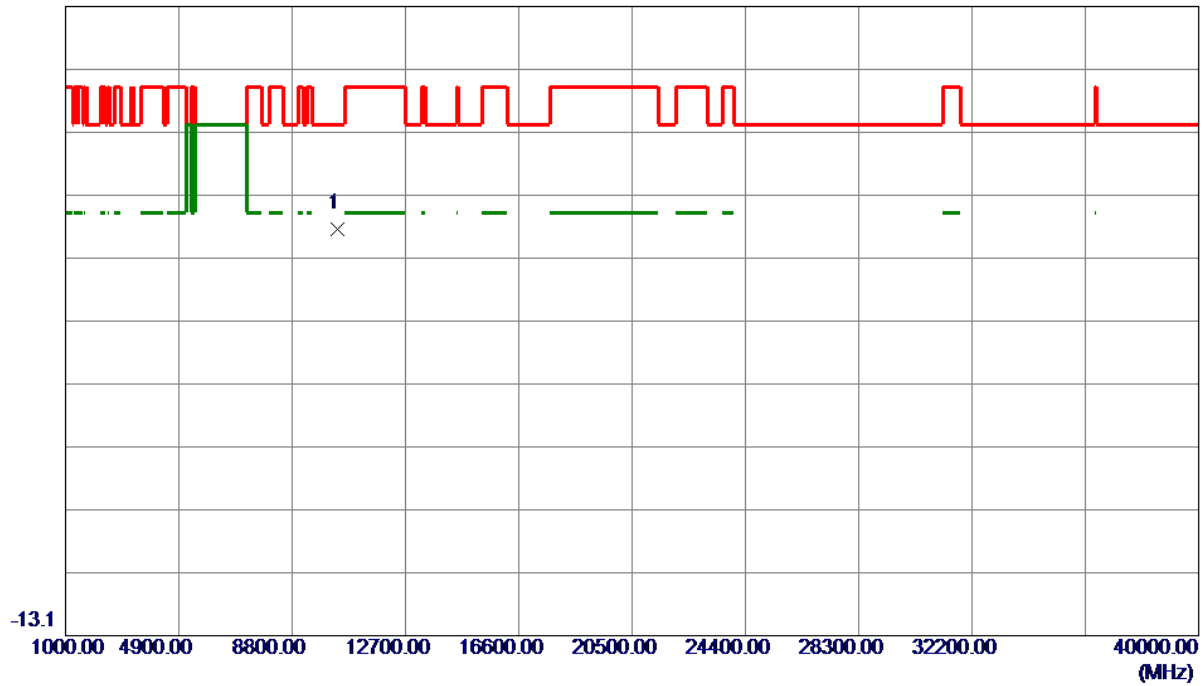
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	8.31	37.88	46.19	74.00	-27.81	Peak	
2	5150.0000	8.31	37.88	46.19	54.00	-7.81	AVG	
3 *	5181.0000	56.55	37.75	94.30	68.20	26.10	Peak	NO limit
4	5181.0000	56.55	37.75	94.30	68.20	26.10	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	Horizontal
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86.9 dBuV/m

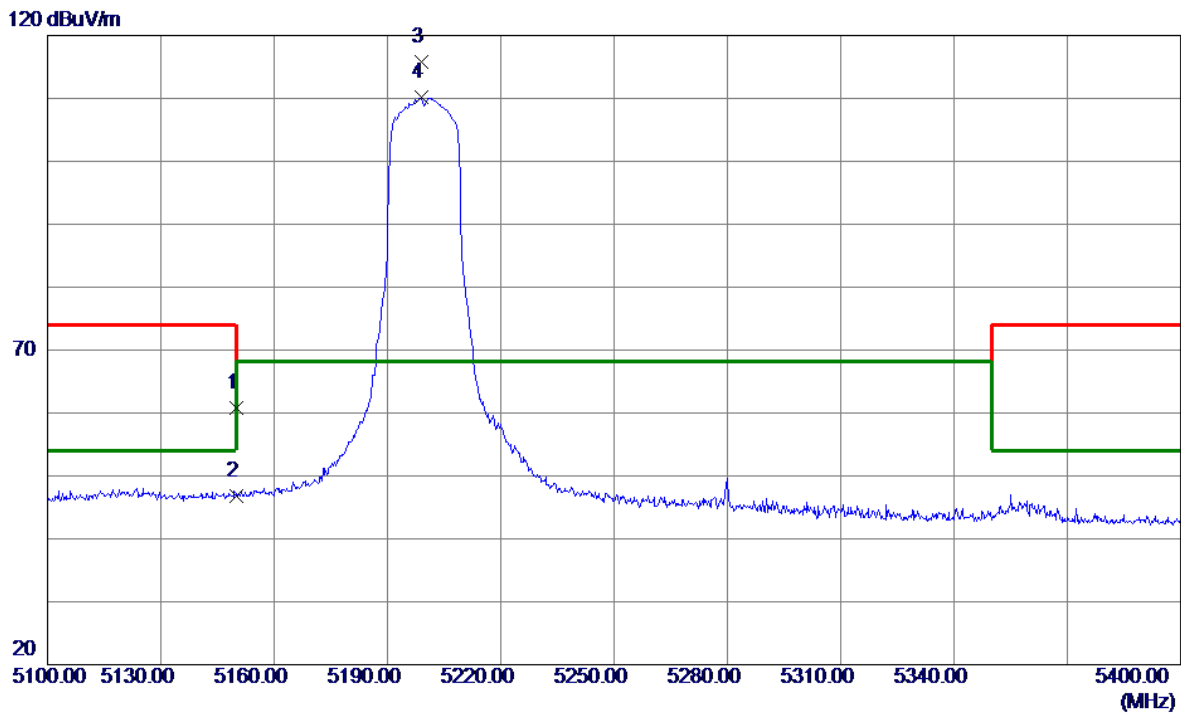


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.0000	49.04	2.56	51.60	68.20	-16.60	Peak	

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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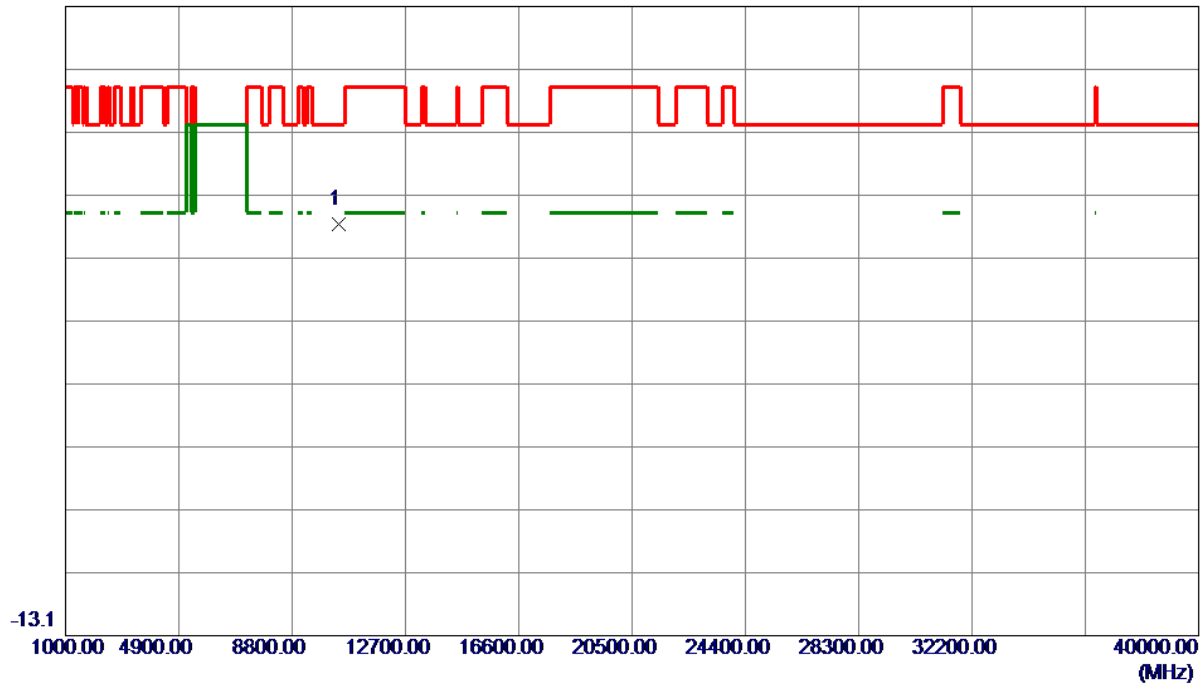
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.93	37.88	60.81	74.00	-13.19	Peak	
2	5150.0000	8.94	37.88	46.82	54.00	-7.18	AVG	
3 *	5198.8500	78.14	37.68	115.82	68.20	47.62	Peak	NO limit
4	5198.8500	72.51	37.68	110.19	68.20	41.99	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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86.9 dBuV/m

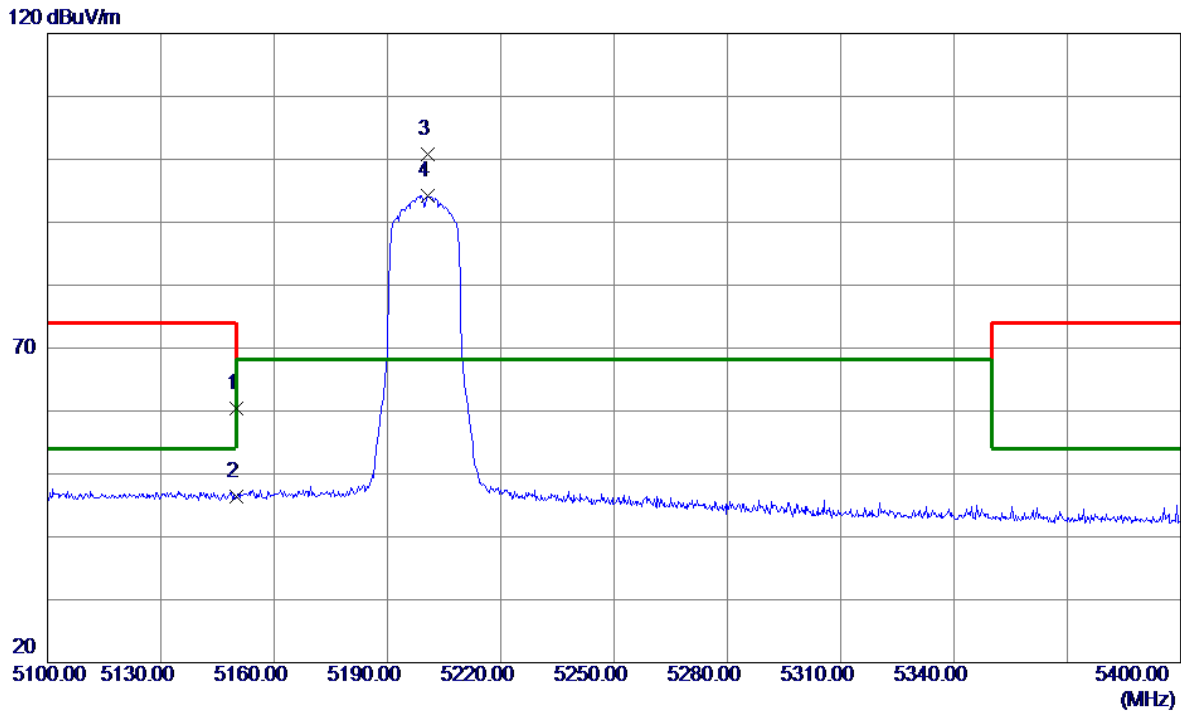


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.0000	49.61	2.73	52.34	68.20	-15.86	Peak	

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	Horizontal
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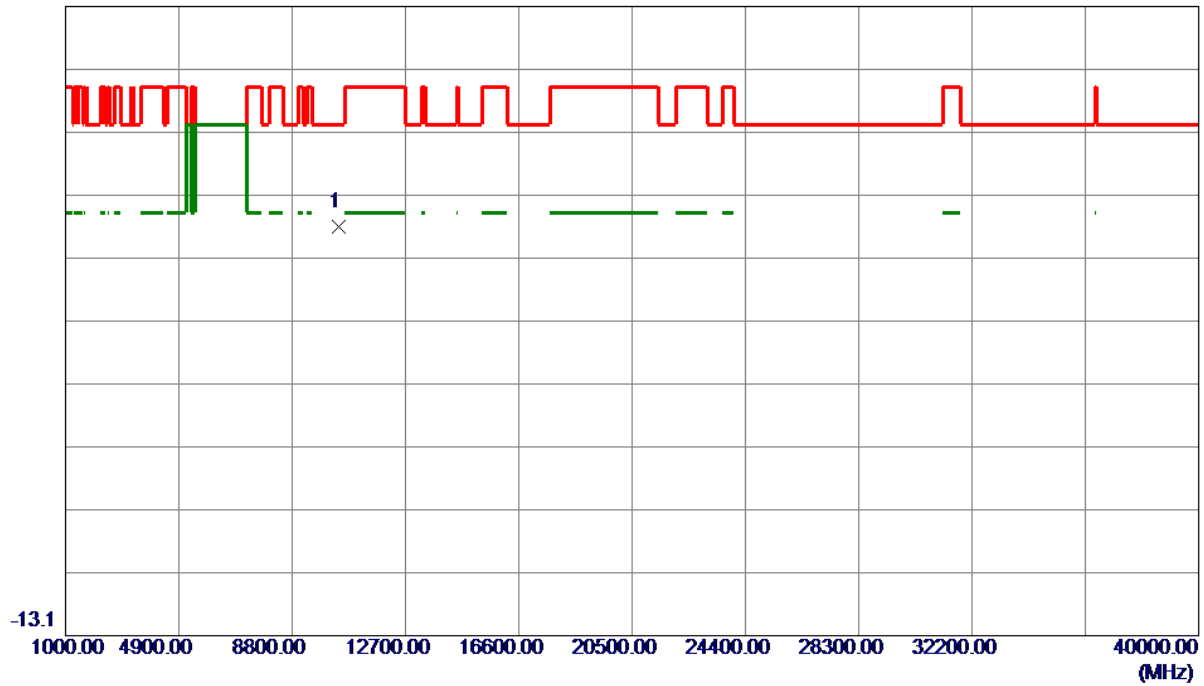
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.49	37.88	60.37	74.00	-13.63	Peak	
2	5150.0000	8.48	37.88	46.36	54.00	-7.64	AVG	
3 *	5200.8000	63.08	37.68	100.76	68.20	32.56	Peak	NO limit
4	5200.8000	56.57	37.68	94.25	68.20	26.05	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	Horizontal
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86.9 dBuV/m

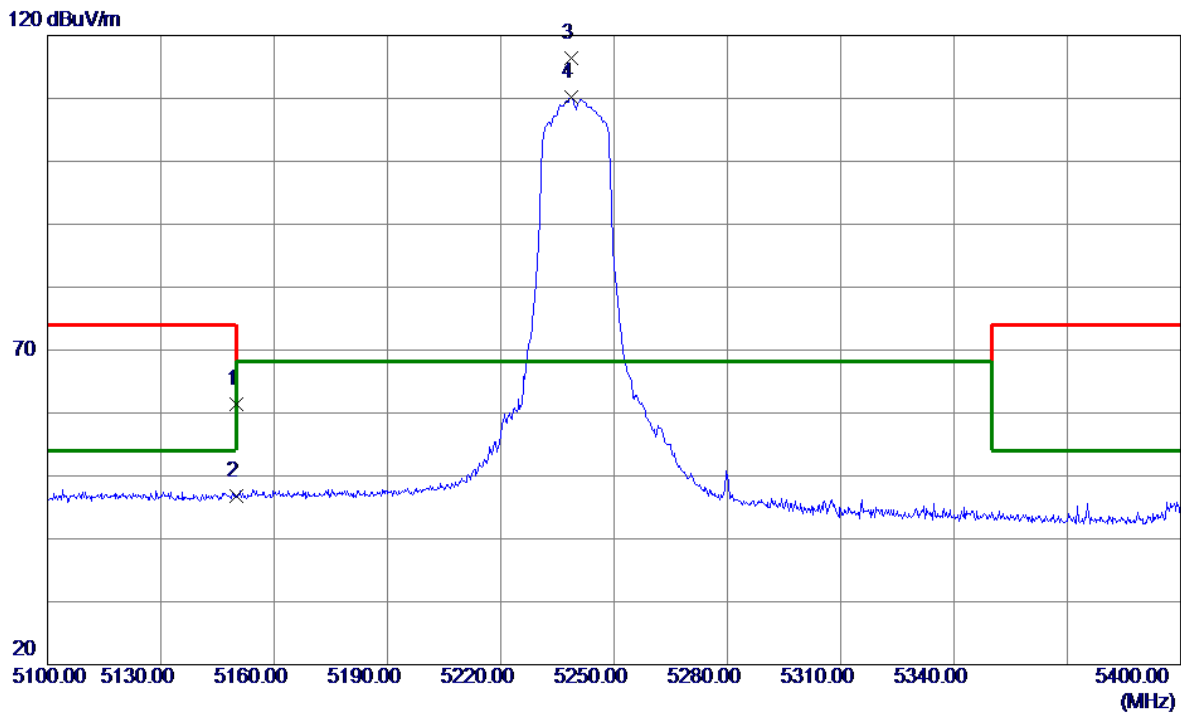


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.0000	49.12	2.73	51.85	68.20	-16.35	Peak	

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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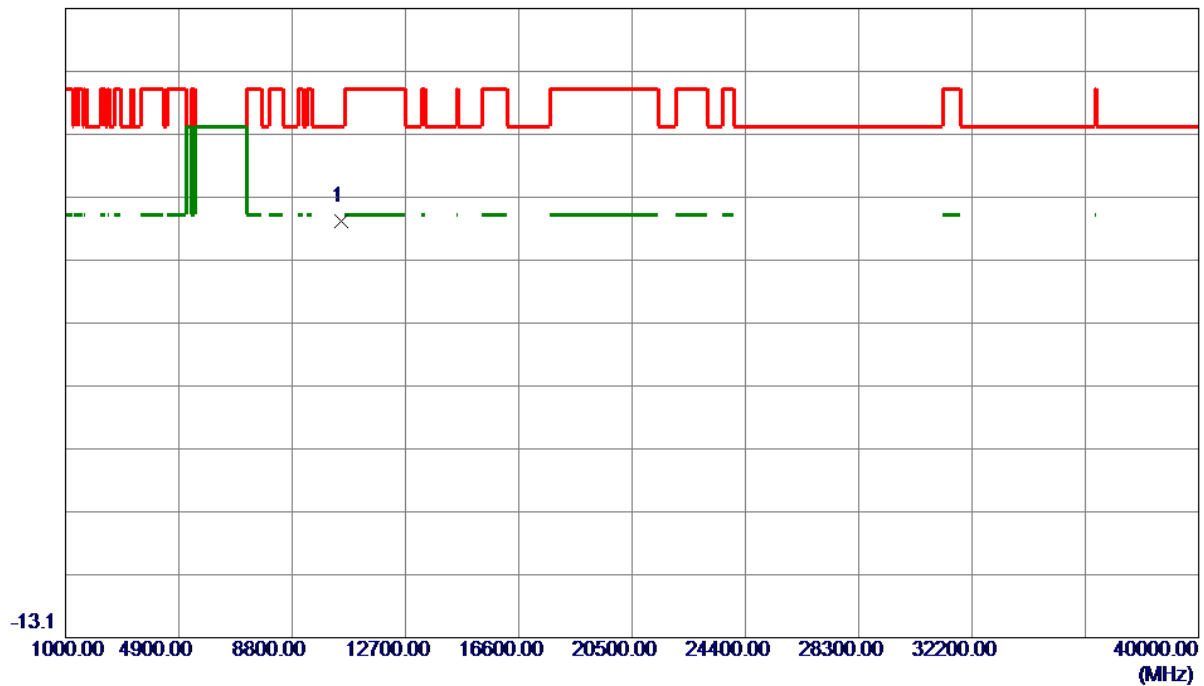
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.55	37.88	61.43	74.00	-12.57	Peak	
2	5150.0000	8.96	37.88	46.84	54.00	-7.16	AVG	
3 *	5238.7500	78.83	37.62	116.45	68.20	48.25	Peak	NO limit
4	5238.7500	72.52	37.62	110.14	68.20	41.94	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 5240 MHz	Polarization	Vertical
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86.9 dBuV/m

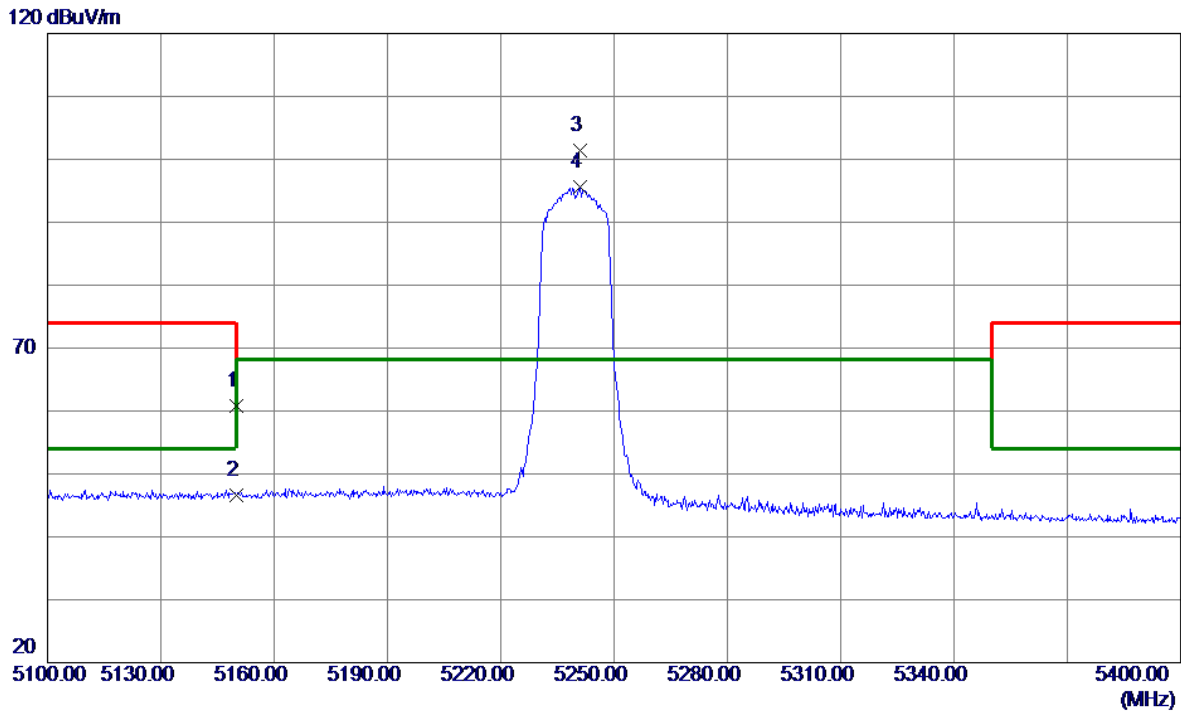


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10480.0000	50.11	3.01	53.12	68.20	-15.08	Peak	

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	Horizontal
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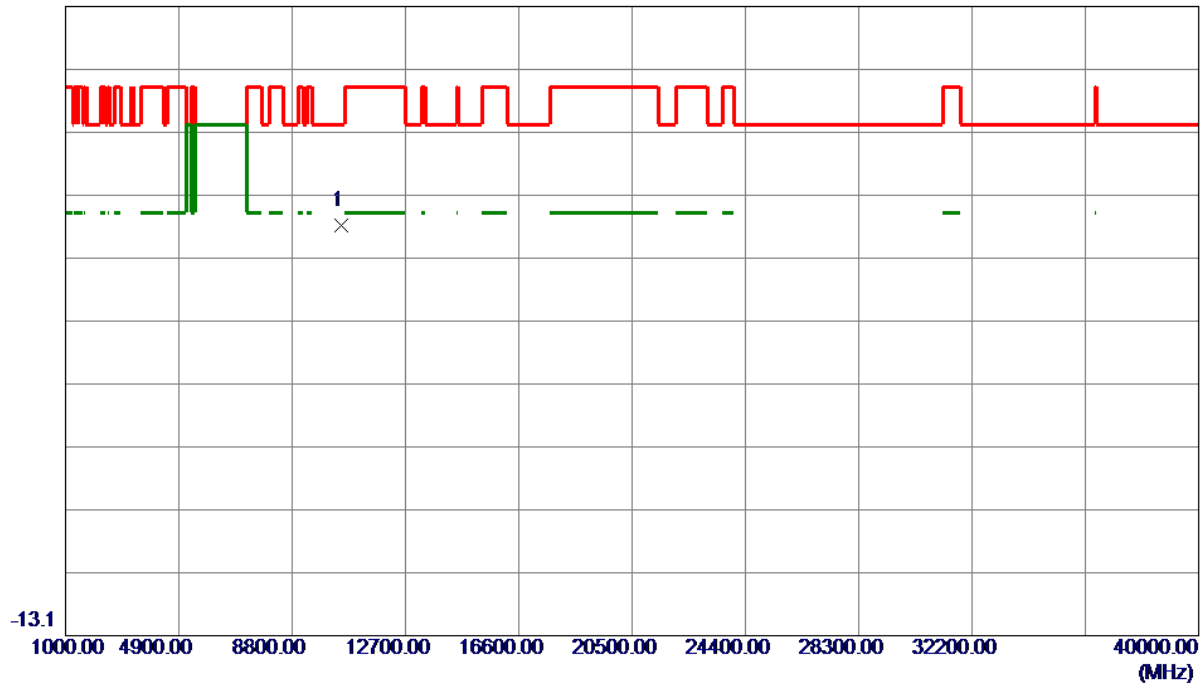
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.86	37.88	60.74	74.00	-13.26	Peak	
2	5150.0000	8.65	37.88	46.53	54.00	-7.47	AVG	
3 *	5240.8500	63.85	37.62	101.47	68.20	33.27	Peak	NO limit
4	5240.8500	57.93	37.62	95.55	68.20	27.35	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 5240 MHz	Polarization	Horizontal
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86.9 dBuV/m

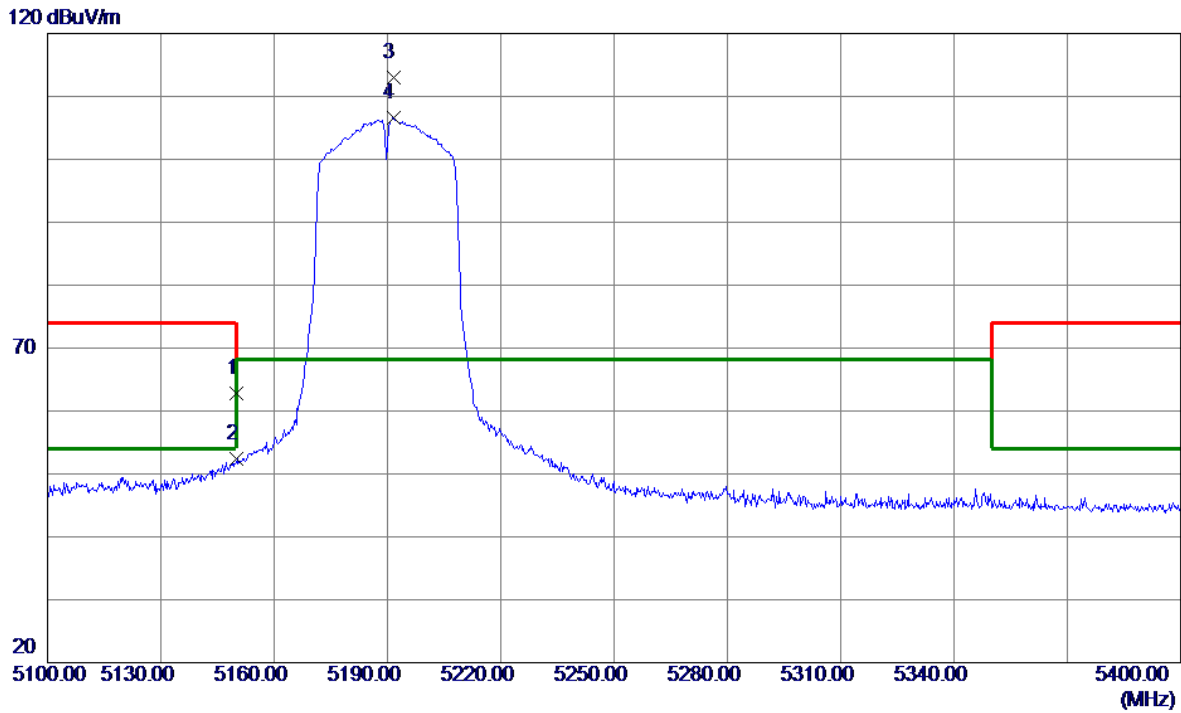


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10480.0000	49.15	3.01	52.16	68.20	-16.04	Peak	

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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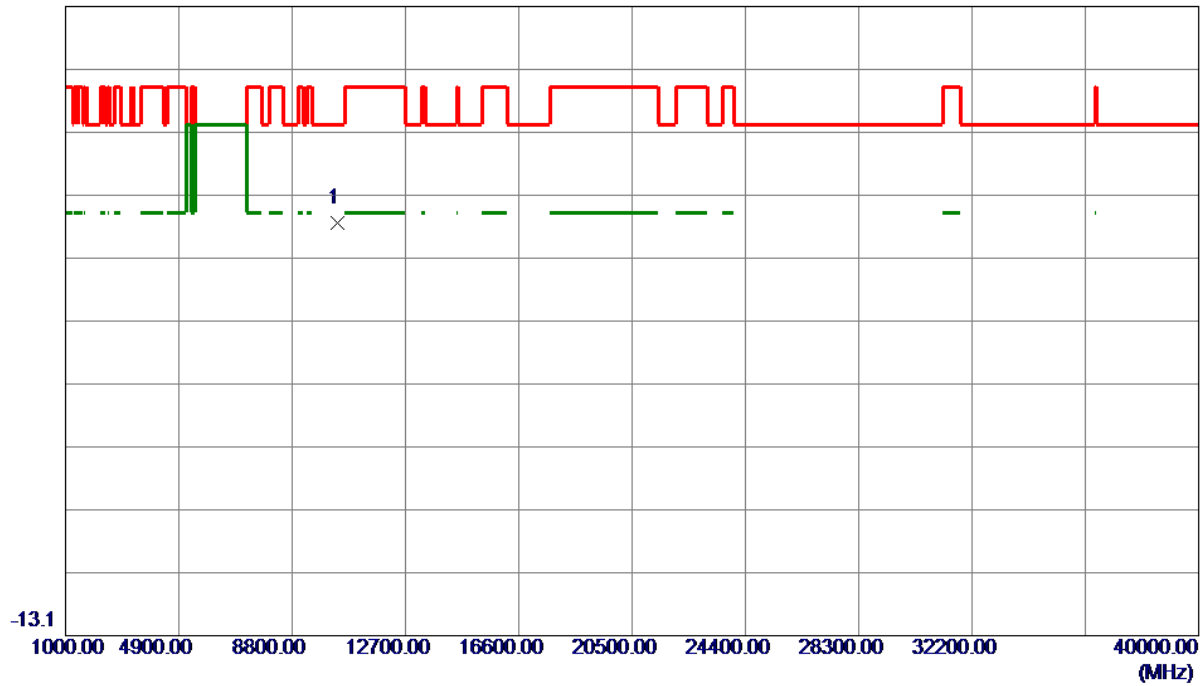
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	24.88	37.88	62.76	74.00	-11.24	Peak	
2	5150.0000	14.60	37.88	52.48	54.00	-1.52	AVG	
3 *	5191.5000	75.36	37.71	113.07	68.20	44.87	Peak	NO limit
4	5191.5000	68.86	37.71	106.57	68.20	38.37	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 5190 MHz	Polarization	Vertical
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86.9 dBuV/m

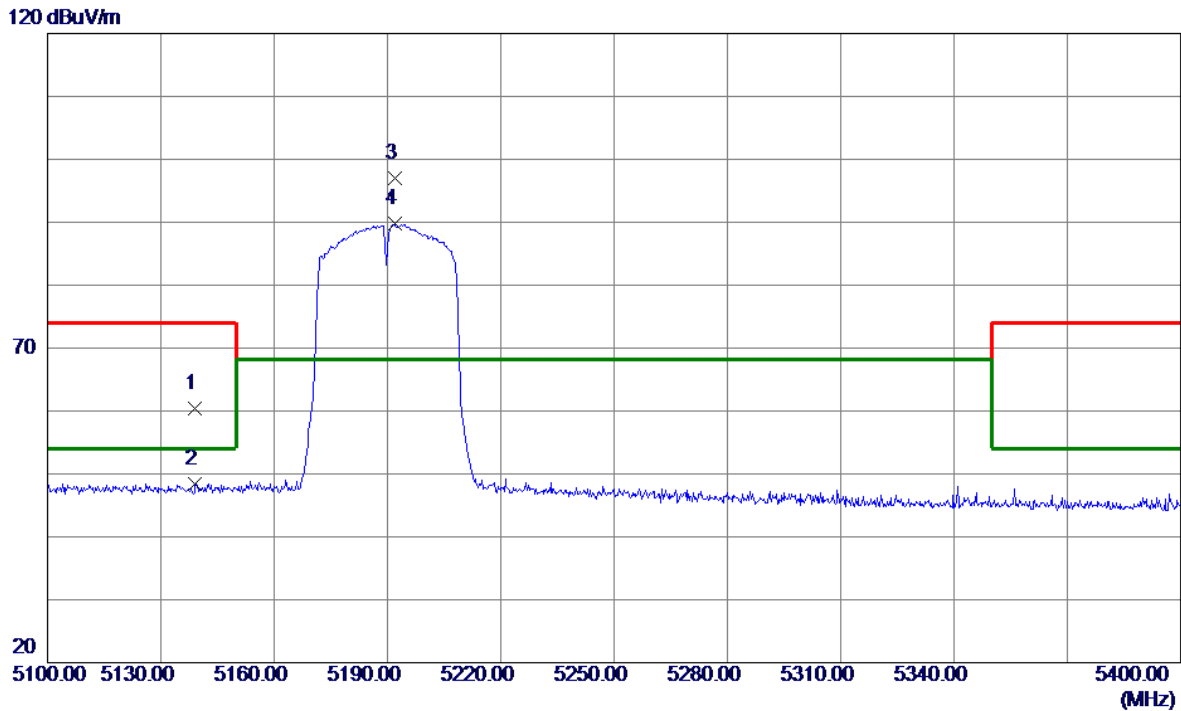


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10380.0000	49.78	2.65	52.43	68.20	-15.77	Peak	

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	Horizontal
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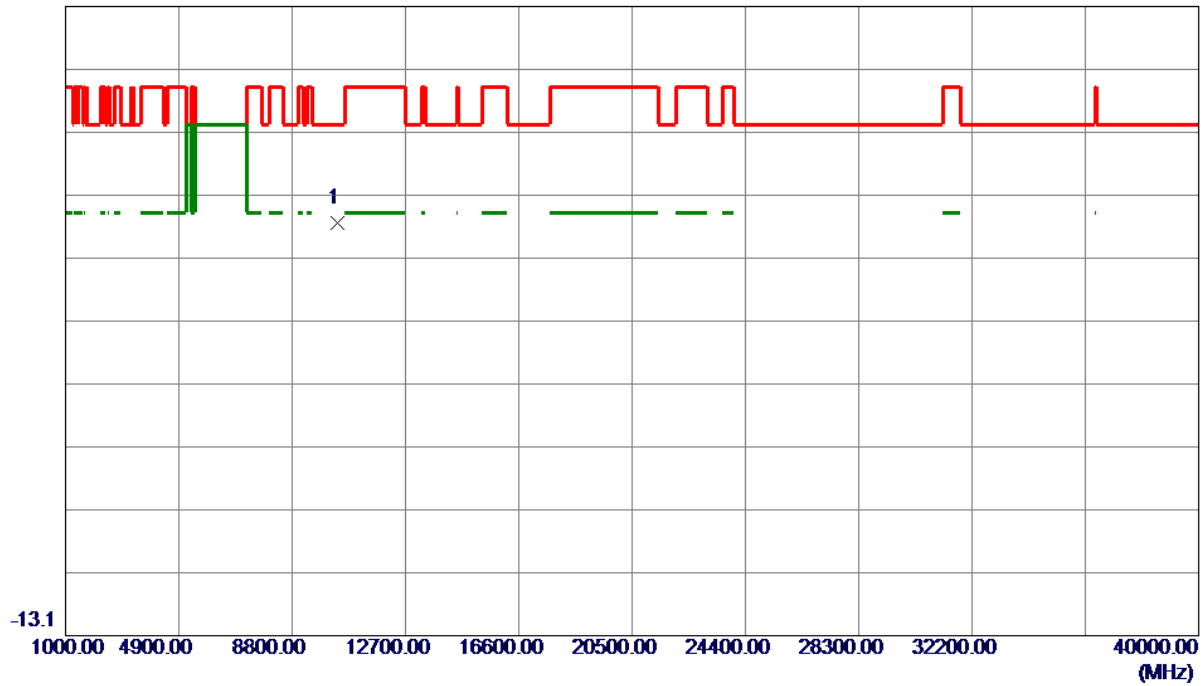
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5139.1500	22.41	37.92	60.33	74.00	-13.67	Peak	
2	5139.1500	10.54	37.92	48.46	54.00	-5.54	AVG	
3 *	5191.9500	59.23	37.71	96.94	68.20	28.74	Peak	NO limit
4	5191.9500	52.07	37.71	89.78	68.20	21.58	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 5190 MHz	Polarization	Horizontal
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86.9 dBuV/m

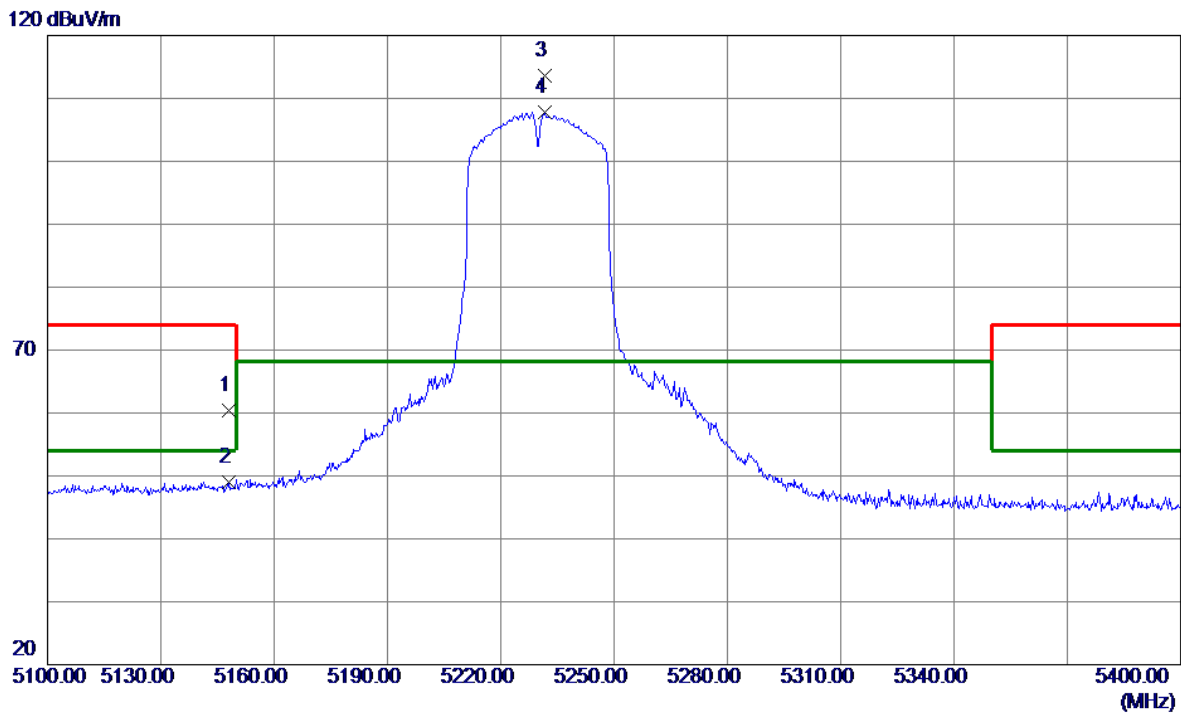


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10380.0000	49.89	2.65	52.54	68.20	-15.66	Peak	

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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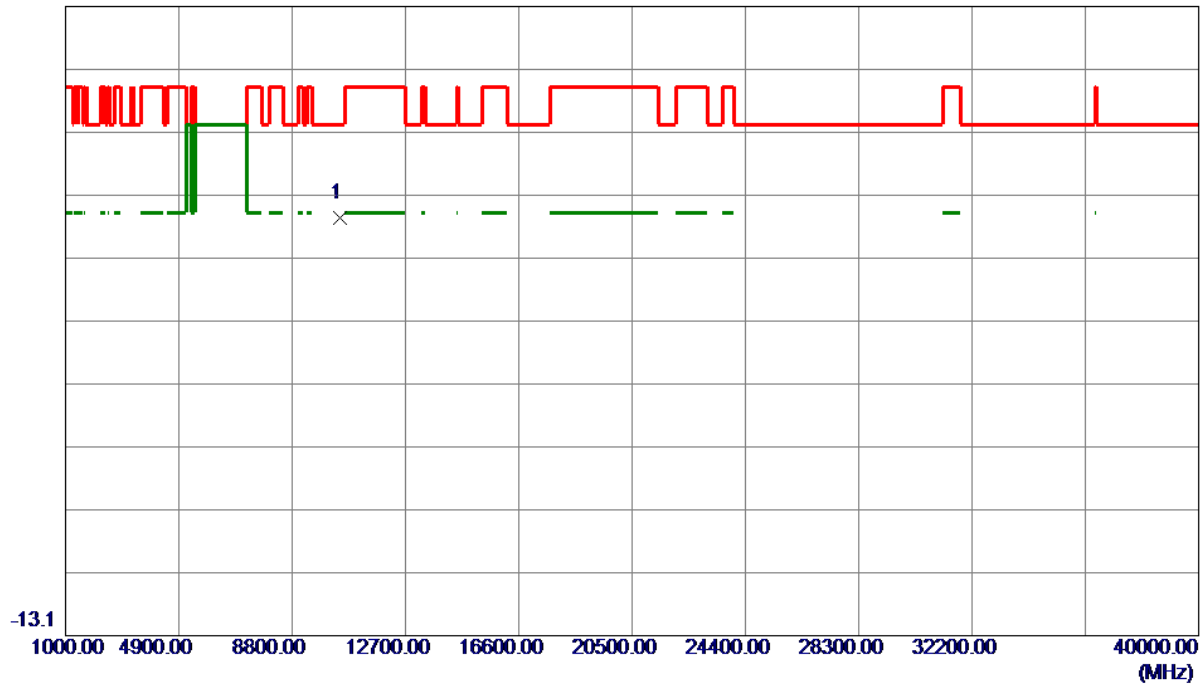
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5148.1500	22.55	37.88	60.43	74.00	-13.57	Peak	
2	5148.1500	11.16	37.88	49.04	54.00	-4.96	AVG	
3 *	5231.7000	76.04	37.63	113.67	68.20	45.47	Peak	NO limit
4	5231.7000	70.25	37.63	107.88	68.20	39.68	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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86.9 dBuV/m

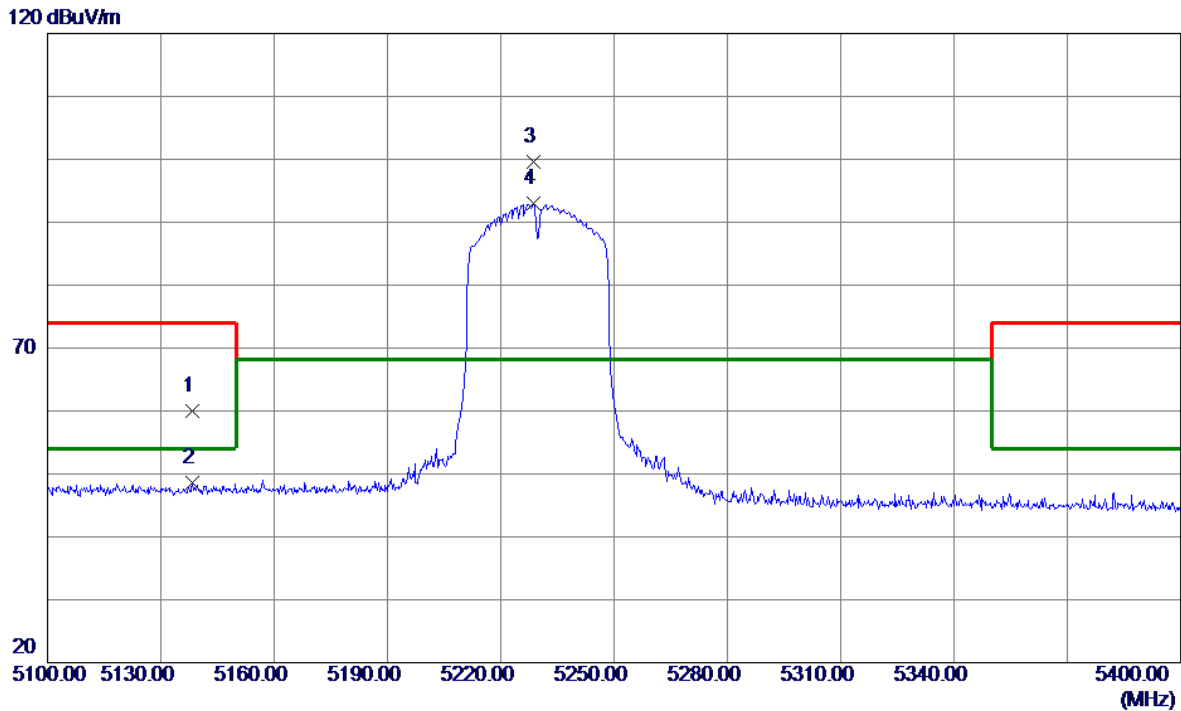


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10460.0000	50.27	2.94	53.21	68.20	-14.99	Peak	

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	Horizontal
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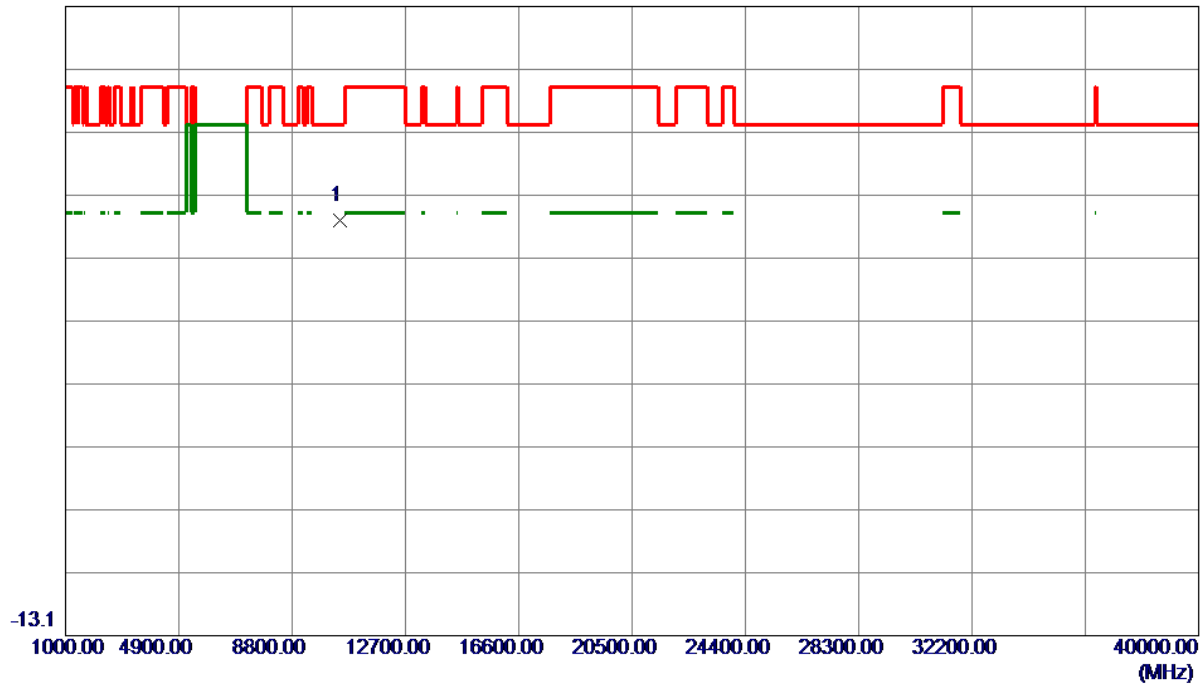
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5138.4000	22.04	37.92	59.96	74.00	-14.04	Peak	
2	5138.4000	10.61	37.92	48.53	54.00	-5.47	AVG	
3 *	5228.7000	61.95	37.64	99.59	68.20	31.39	Peak	NO limit
4	5228.7000	55.30	37.64	92.94	68.20	24.74	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	Horizontal
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86.9 dBuV/m

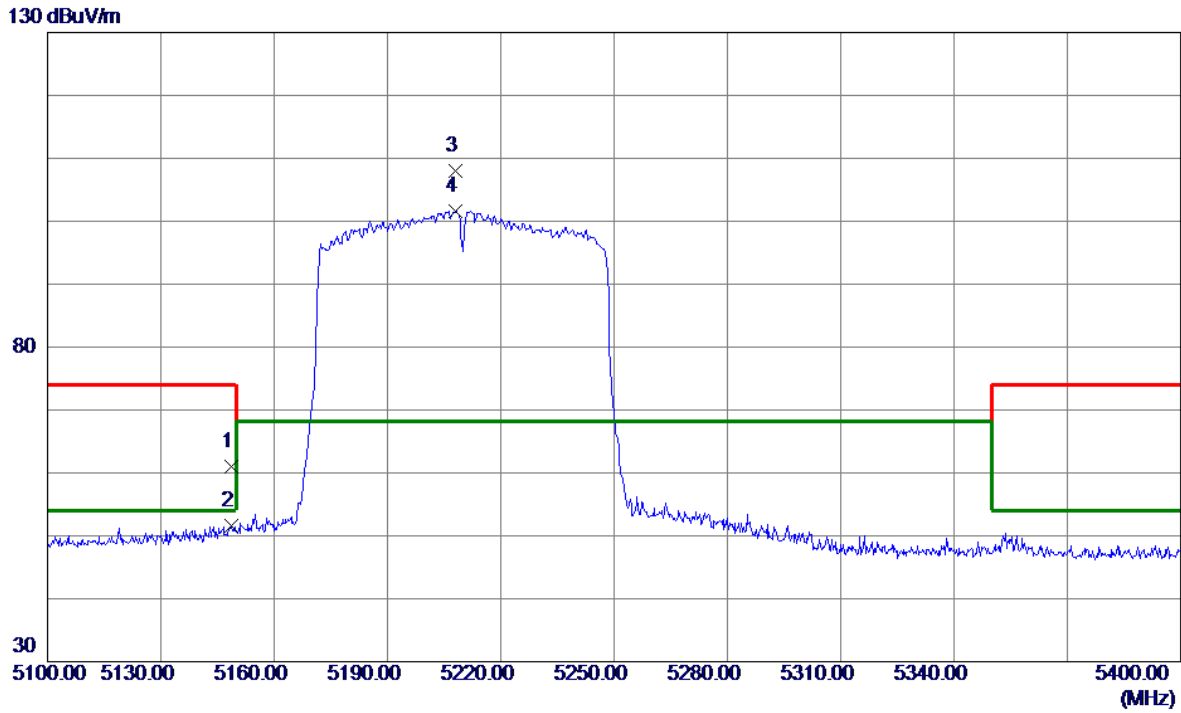


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10460.0000	50.00	2.94	52.94	68.20	-15.26	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Vertical
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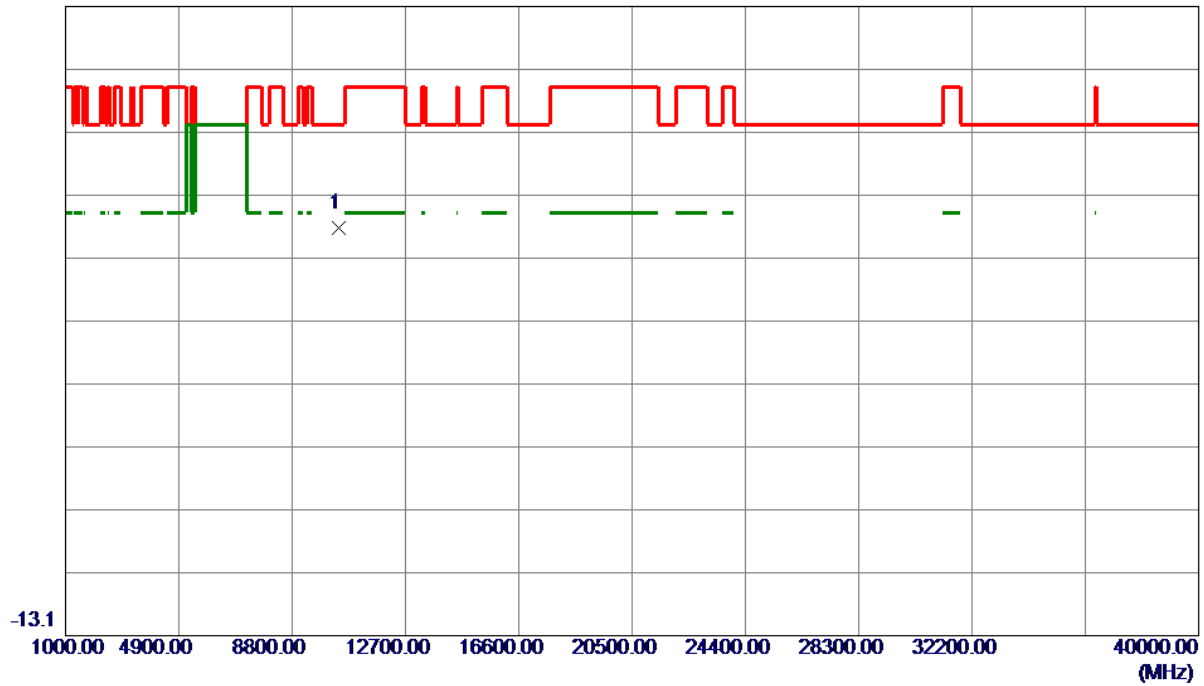
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5148.7500	23.20	37.88	61.08	74.00	-12.92	Peak	
2	5148.7500	13.73	37.88	51.61	54.00	-2.39	AVG	
3 *	5208.0000	70.34	37.67	108.01	68.20	39.81	Peak	NO limit
4	5208.0000	63.94	37.67	101.61	68.20	33.41	AVG	NO limit

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Vertical
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86.9 dBuV/m

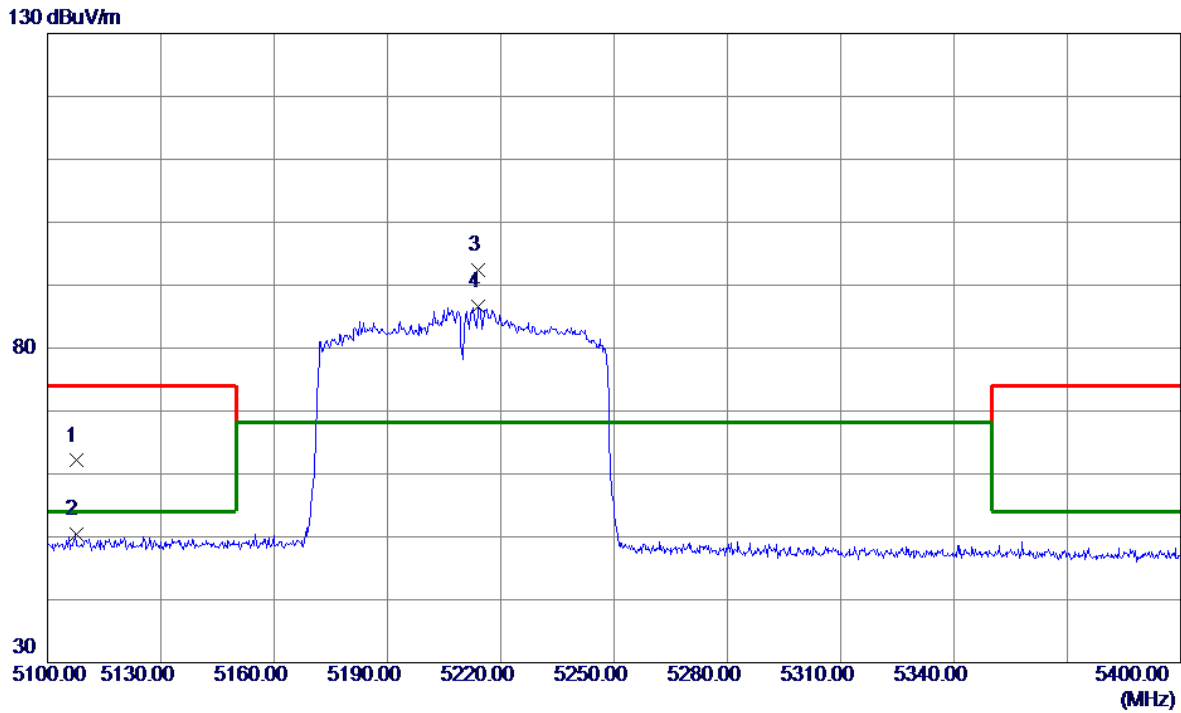


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10420.0000	48.84	2.80	51.64	68.20	-16.56	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Horizontal
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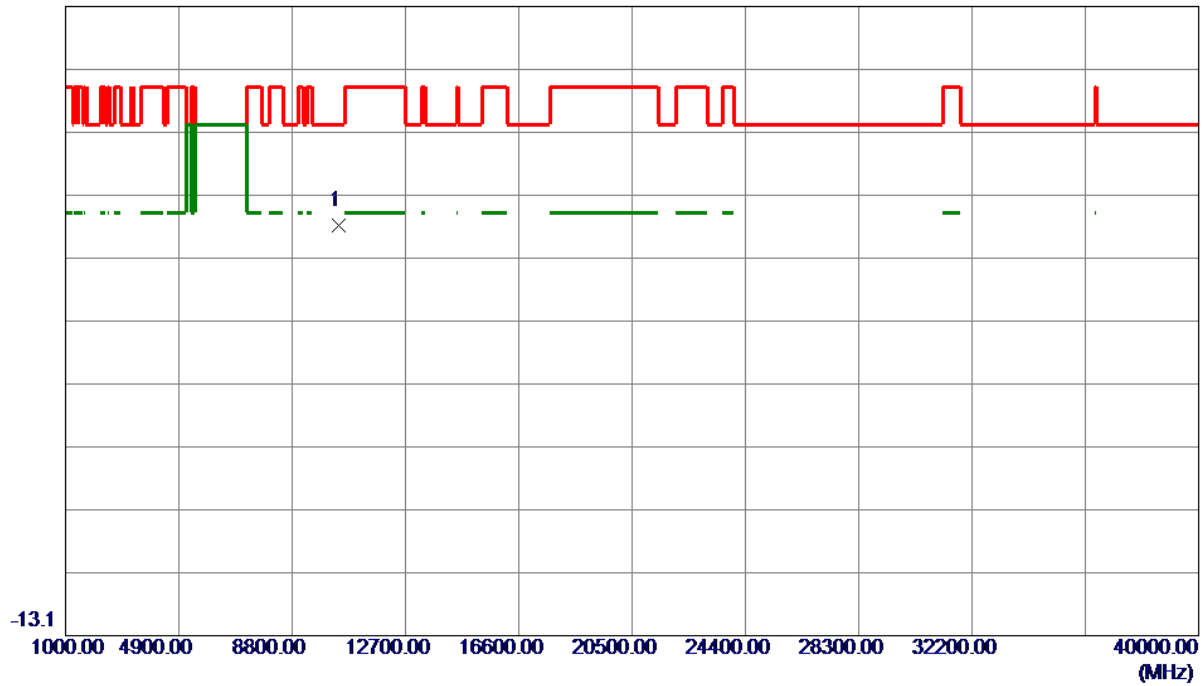
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5107.5000	24.06	38.04	62.10	74.00	-11.90	Peak	
2	5107.5000	12.28	38.04	50.32	54.00	-3.68	AVG	
3 *	5214.0000	54.80	37.66	92.46	68.20	24.26	Peak	NO limit
4	5214.0000	48.99	37.66	86.65	68.20	18.45	AVG	NO limit

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Horizontal
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86.9 dBuV/m

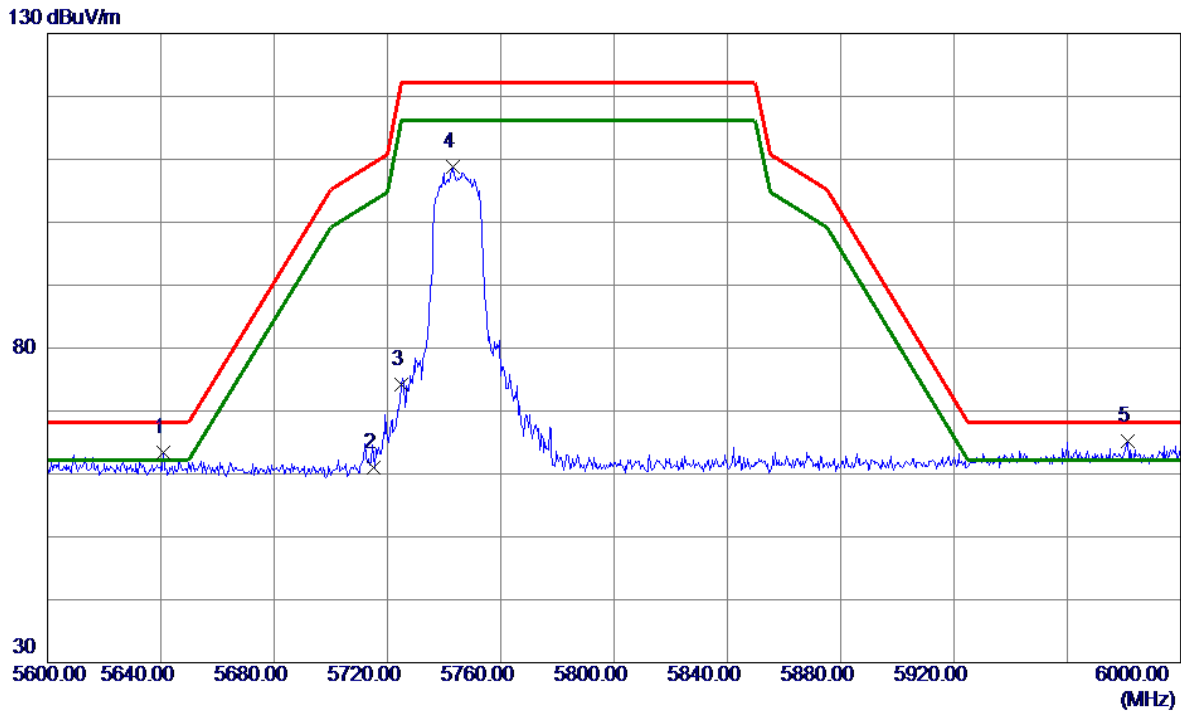


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10420.0000	49.26	2.80	52.06	68.20	-16.14	Peak	

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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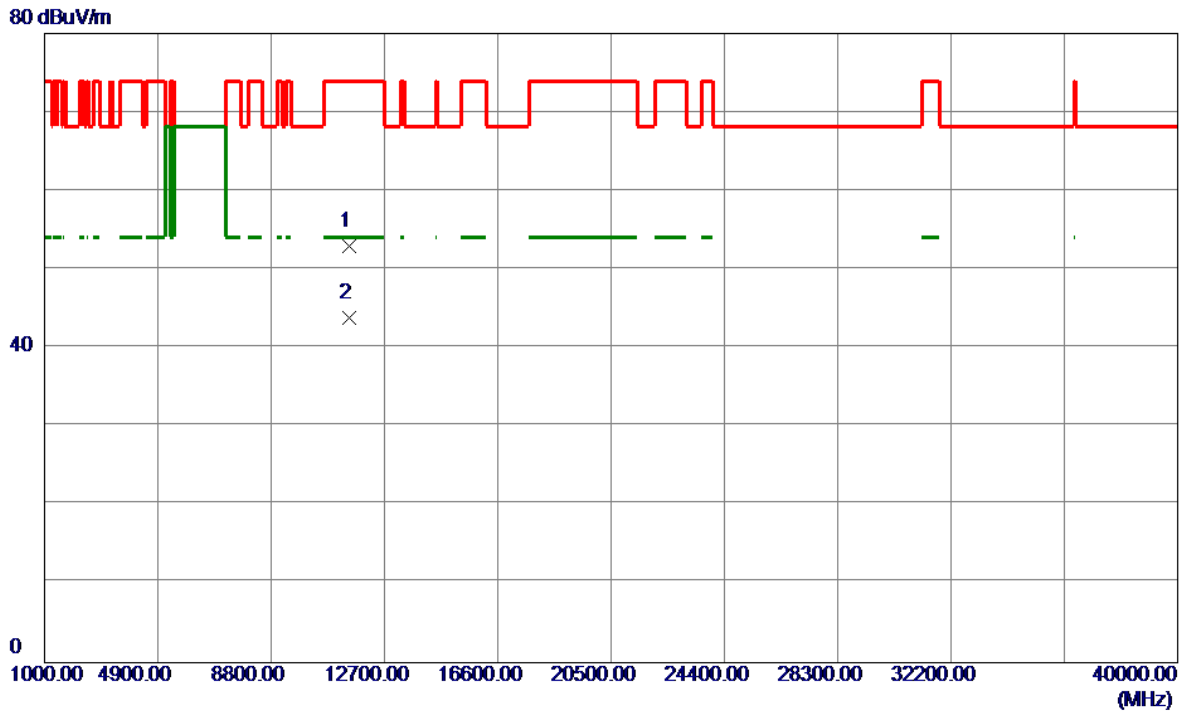


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5640.8000	25.09	38.37	63.46	68.20	-4.74	Peak	
2	5715.0000	22.49	38.46	60.95	109.40	-48.45	Peak	
3	5725.0000	35.62	38.50	74.12	122.20	-48.08	Peak	
4	5743.0000	70.18	38.57	108.75	122.20	-13.45	Peak	
5 *	5981.2000	25.91	39.21	65.12	68.20	-3.08	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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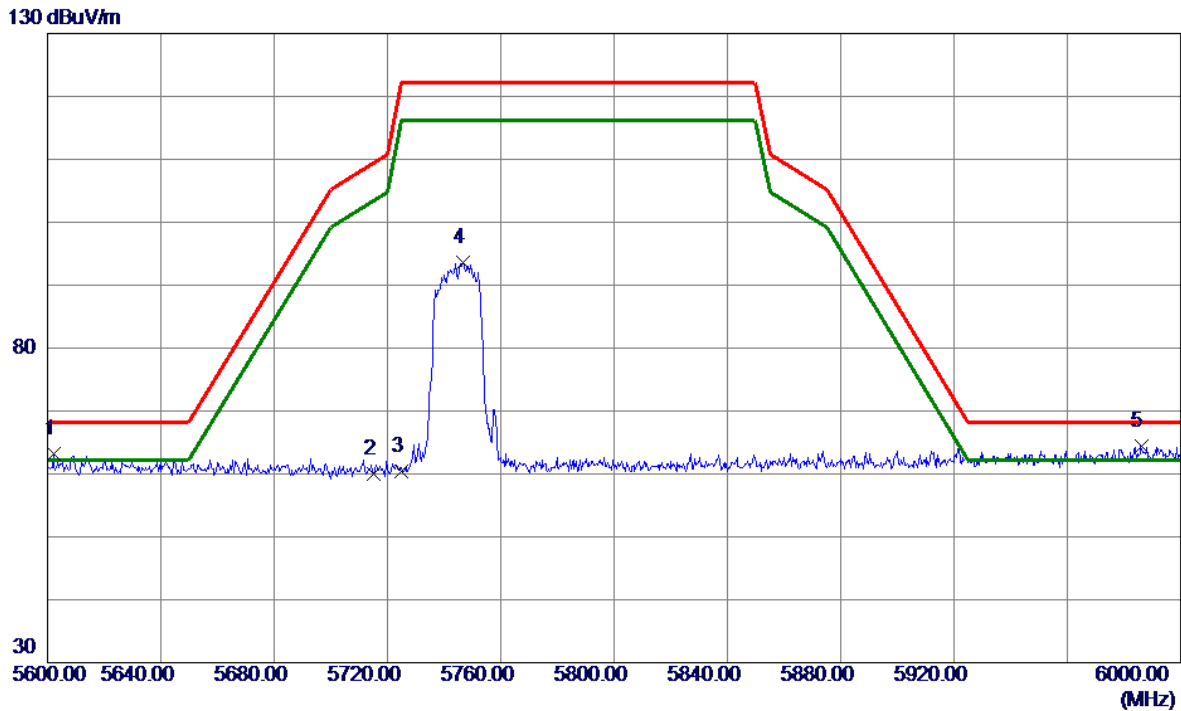


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11490.0000	49.94	3.01	52.95	74.00	-21.05	Peak	
2 *	11493.4180	40.83	3.00	43.83	54.00	-10.17	AVG	

REMARKS:

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

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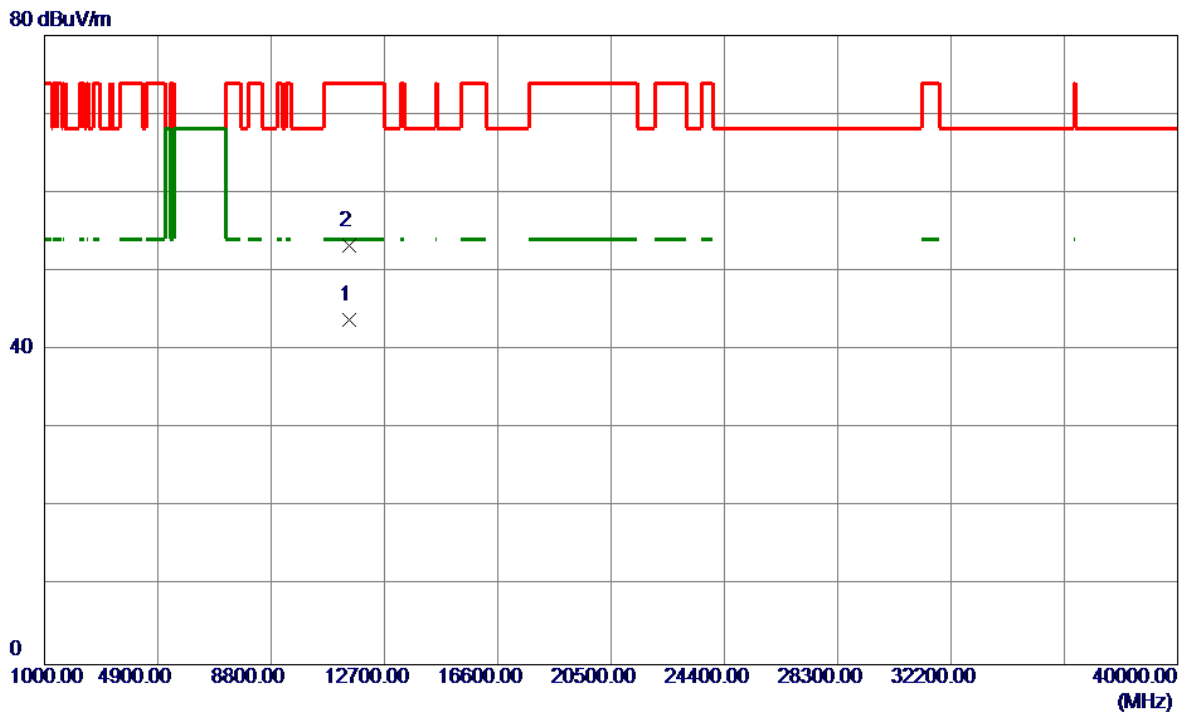


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5602.2000	24.79	38.34	63.13	68.20	-5.07	Peak	
2	5715.0000	21.62	38.46	60.08	109.40	-49.32	Peak	
3	5725.0000	21.98	38.50	60.48	122.20	-61.72	Peak	
4	5746.8000	54.94	38.58	93.52	122.20	-28.68	Peak	
5 *	5986.0000	25.19	39.22	64.41	68.20	-3.79	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	Horizontal
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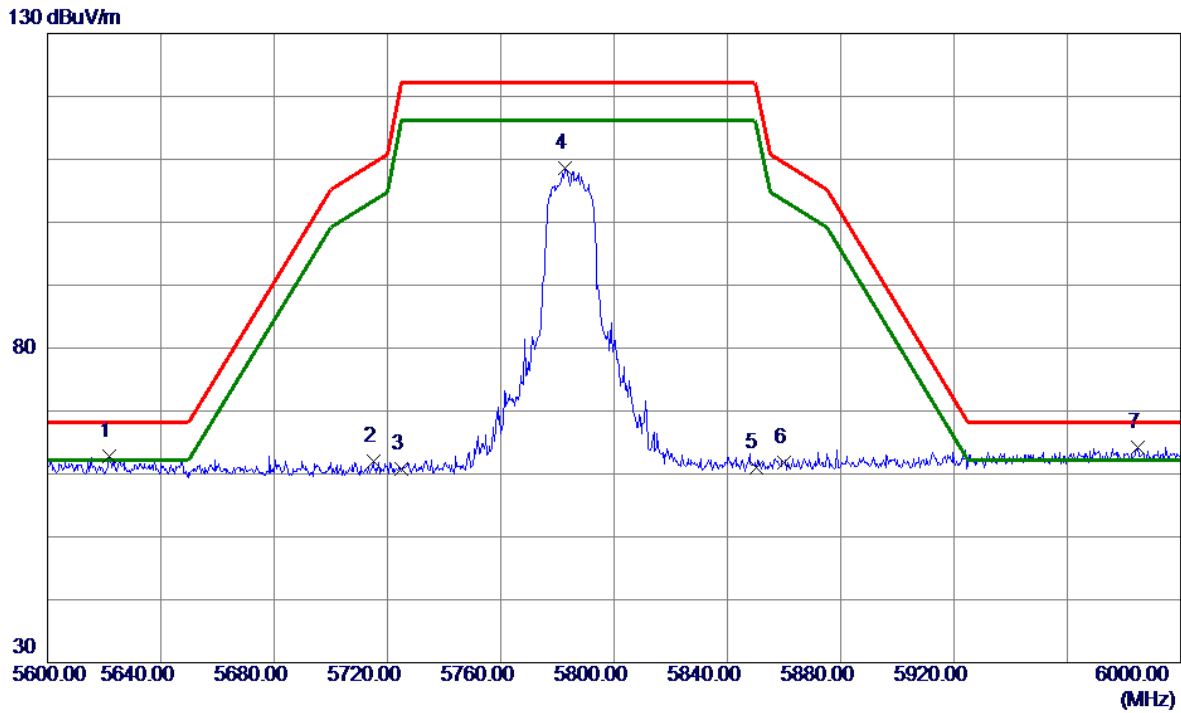


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11485.9410	40.75	3.02	43.77	54.00	-10.23	AVG	
2	11490.0000	50.21	3.01	53.22	74.00	-20.78	Peak	

REMARKS:

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

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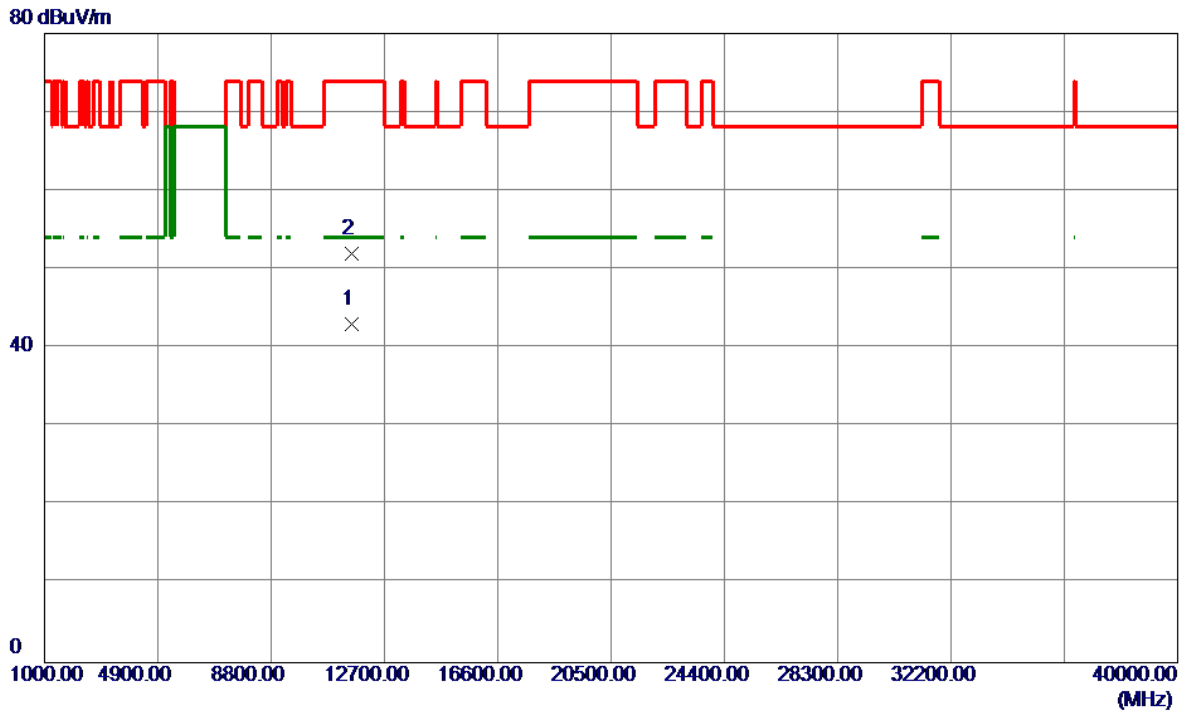


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5621.8000	24.42	38.35	62.77	68.20	-5.43	Peak	
2	5715.0000	23.51	38.46	61.97	109.40	-47.43	Peak	
3	5725.0000	22.39	38.50	60.89	122.20	-61.31	Peak	
4	5782.8000	69.84	38.72	108.56	122.20	-13.64	Peak	
5	5850.0000	22.16	38.91	61.07	122.20	-61.13	Peak	
6	5860.0000	22.95	38.94	61.89	109.40	-47.51	Peak	
7 *	5984.8000	24.98	39.22	64.20	68.20	-4.00	Peak	

REMARKS:

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

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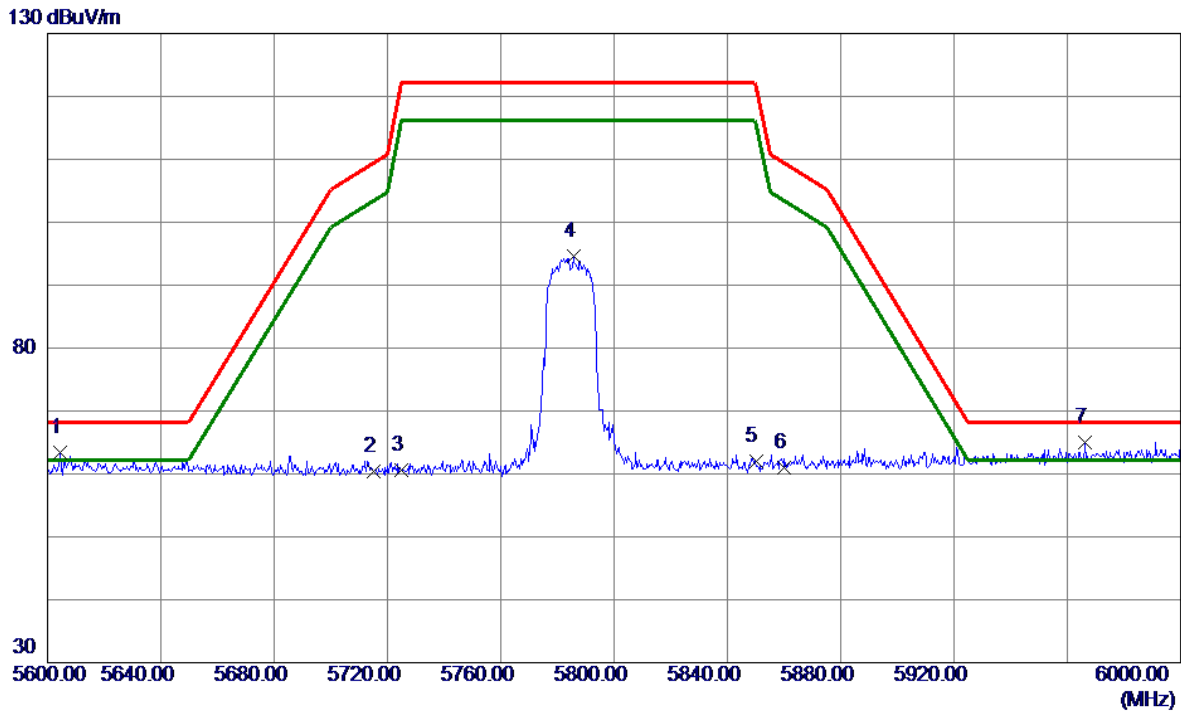


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11569.5740	40.18	2.80	42.98	54.00	-11.02	AVG	
2	11570.0000	49.22	2.80	52.02	74.00	-21.98	Peak	

REMARKS:

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

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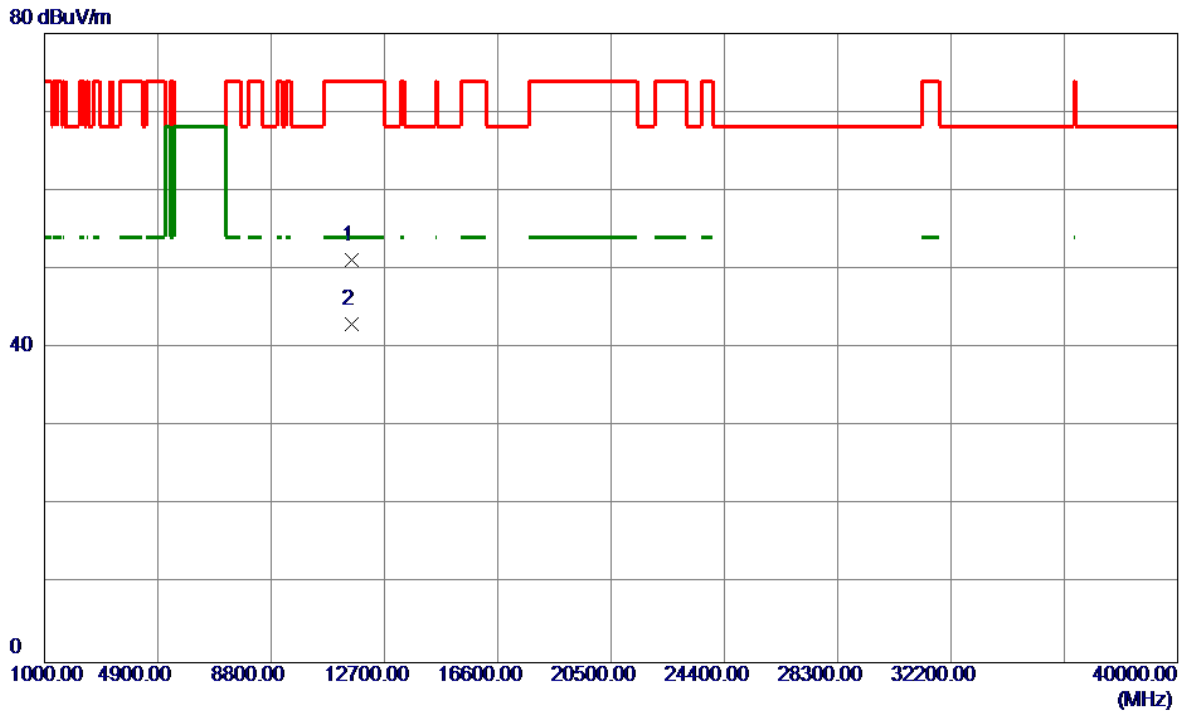


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5604.4000	25.10	38.34	63.44	68.20	-4.76	Peak	
2	5715.0000	21.94	38.46	60.40	109.40	-49.00	Peak	
3	5725.0000	22.19	38.50	60.69	122.20	-61.51	Peak	
4	5785.6000	55.92	38.73	94.65	122.20	-27.55	Peak	
5	5850.0000	23.01	38.91	61.92	122.20	-60.28	Peak	
6	5860.0000	22.09	38.94	61.03	109.40	-48.37	Peak	
7 *	5966.4000	25.89	39.18	65.07	68.20	-3.13	Peak	

REMARKS:

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

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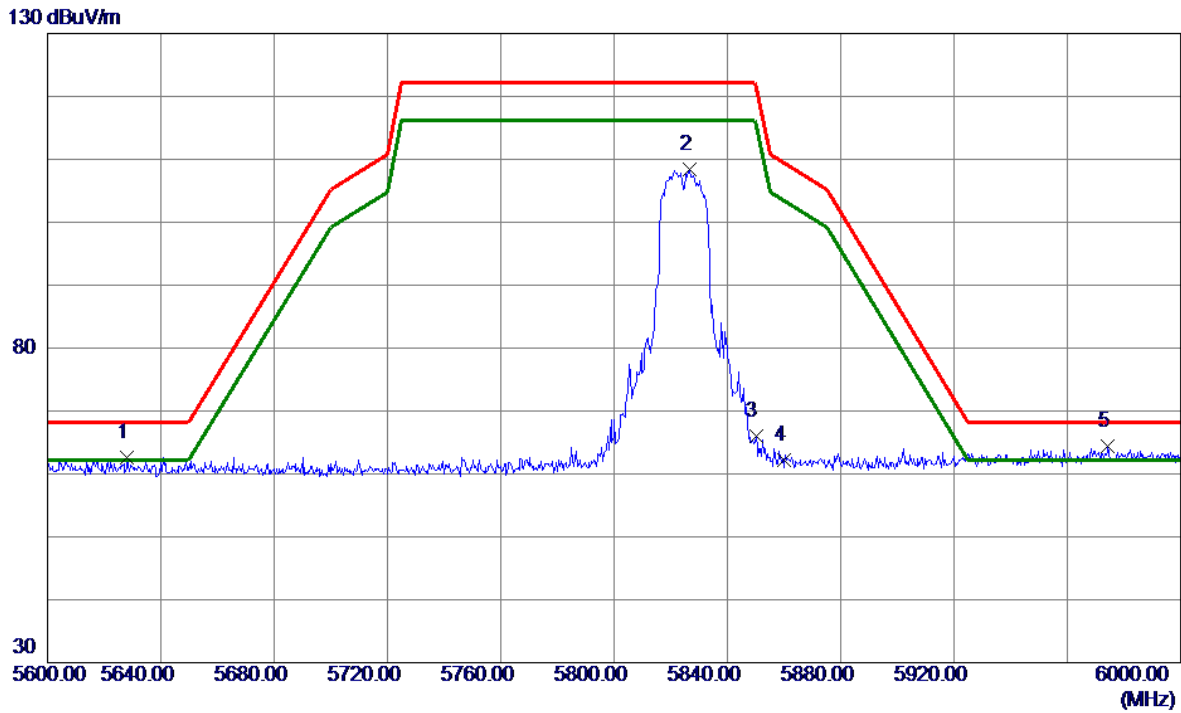


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11570.0000	48.44	2.80	51.24	74.00	-22.76	Peak	
2 *	11573.6040	40.19	2.79	42.98	54.00	-11.02	AVG	

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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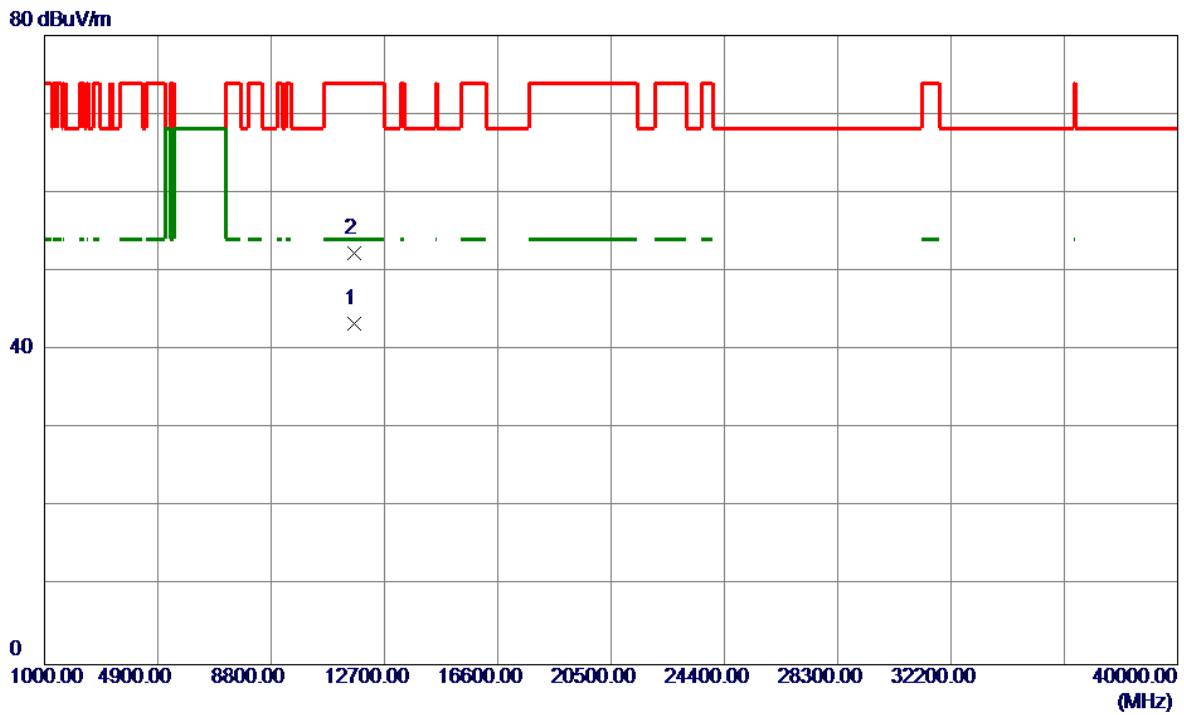


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5628.2000	24.28	38.36	62.64	68.20	-5.56	Peak	
2	5826.8000	69.62	38.85	108.47	122.20	-13.73	Peak	
3	5850.0000	27.08	38.91	65.99	122.20	-56.21	Peak	
4	5860.0000	23.18	38.94	62.12	109.40	-47.28	Peak	
5 *	5974.4000	25.15	39.20	64.35	68.20	-3.85	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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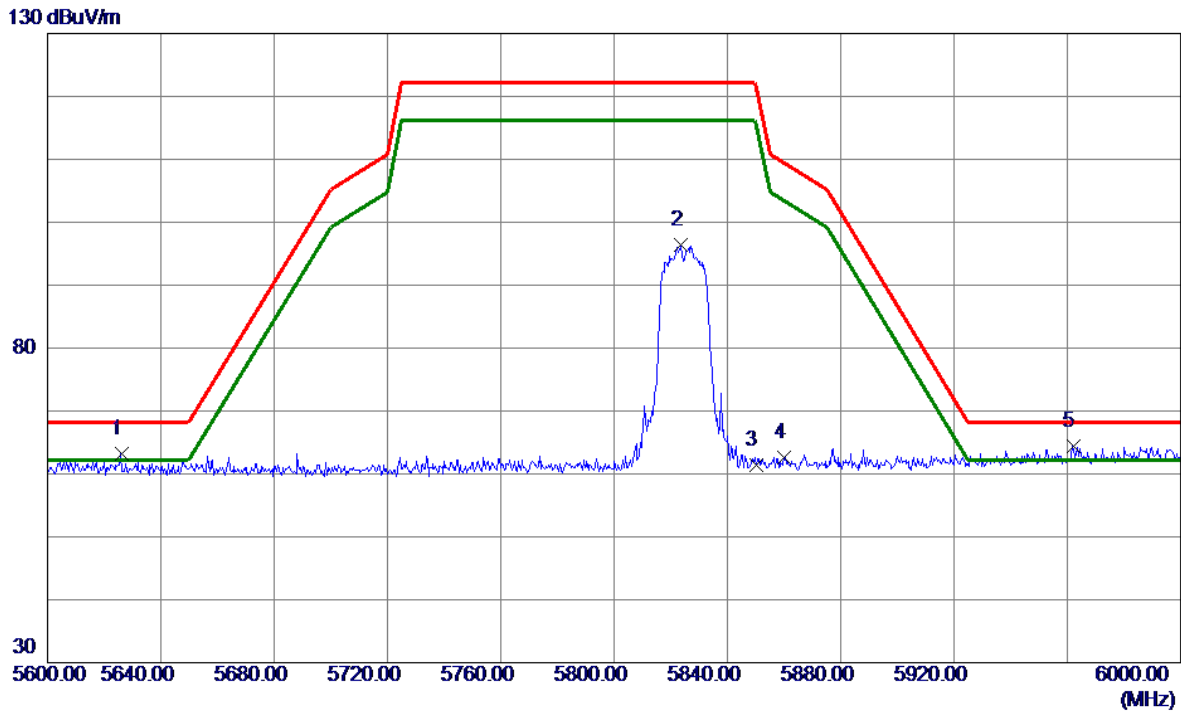


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11649.5270	41.07	2.36	43.43	54.00	-10.57	AVG	
2	11650.0000	49.98	2.35	52.33	74.00	-21.67	Peak	

REMARKS:

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

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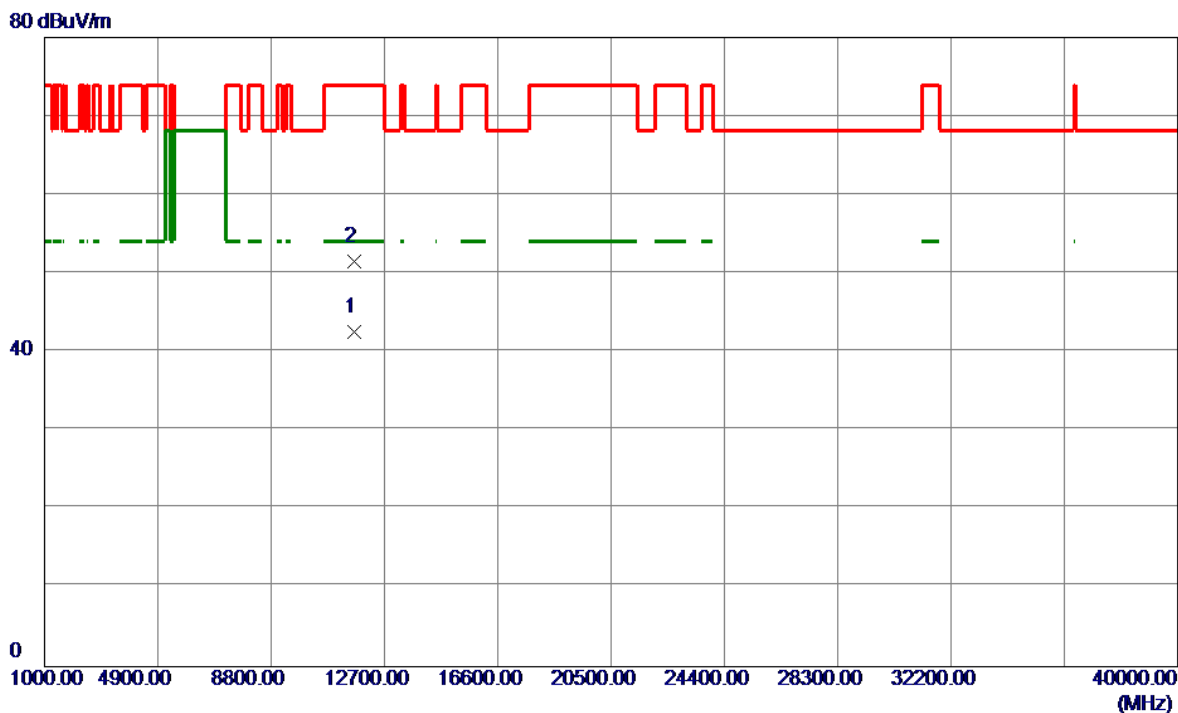


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5626.0000	24.80	38.36	63.16	68.20	-5.04	Peak	
2	5823.6000	57.50	38.84	96.34	122.20	-25.86	Peak	
3	5850.0000	22.56	38.91	61.47	122.20	-60.73	Peak	
4	5860.0000	23.59	38.94	62.53	109.40	-46.87	Peak	
5 *	5962.0000	25.23	39.17	64.40	68.20	-3.80	Peak	

REMARKS:

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

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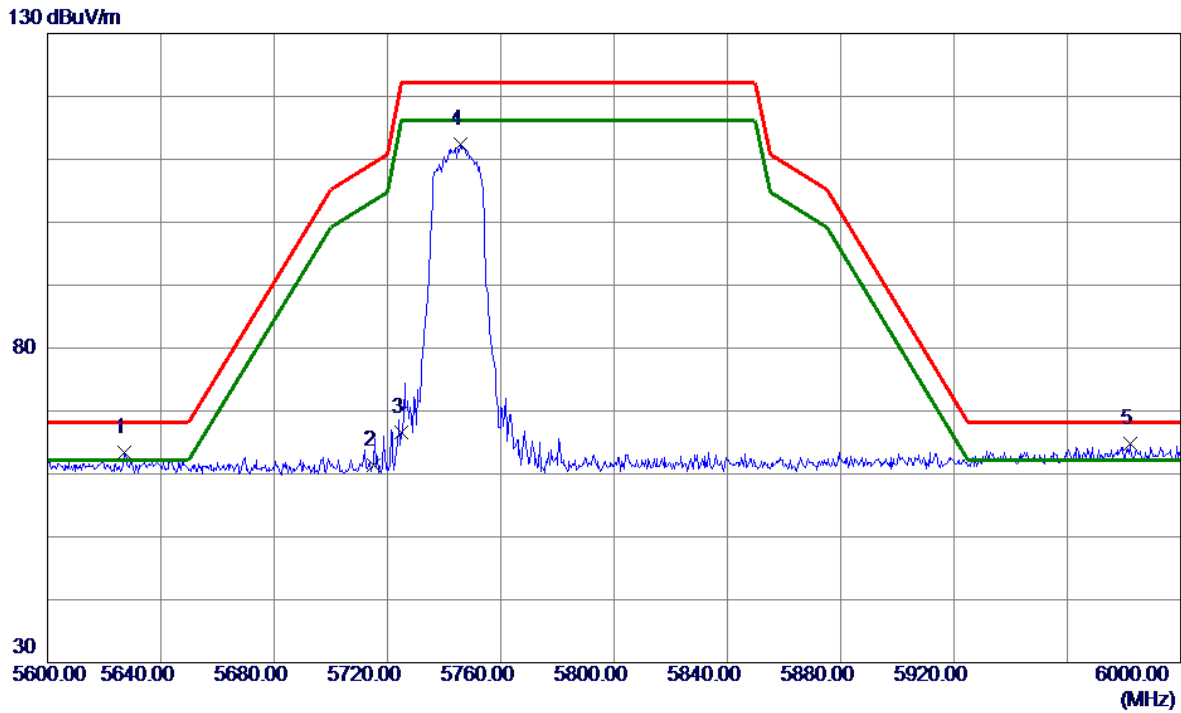


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11647.8000	40.13	2.37	42.50	54.00	-11.50	AVG	
2	11650.0000	49.22	2.35	51.57	74.00	-22.43	Peak	

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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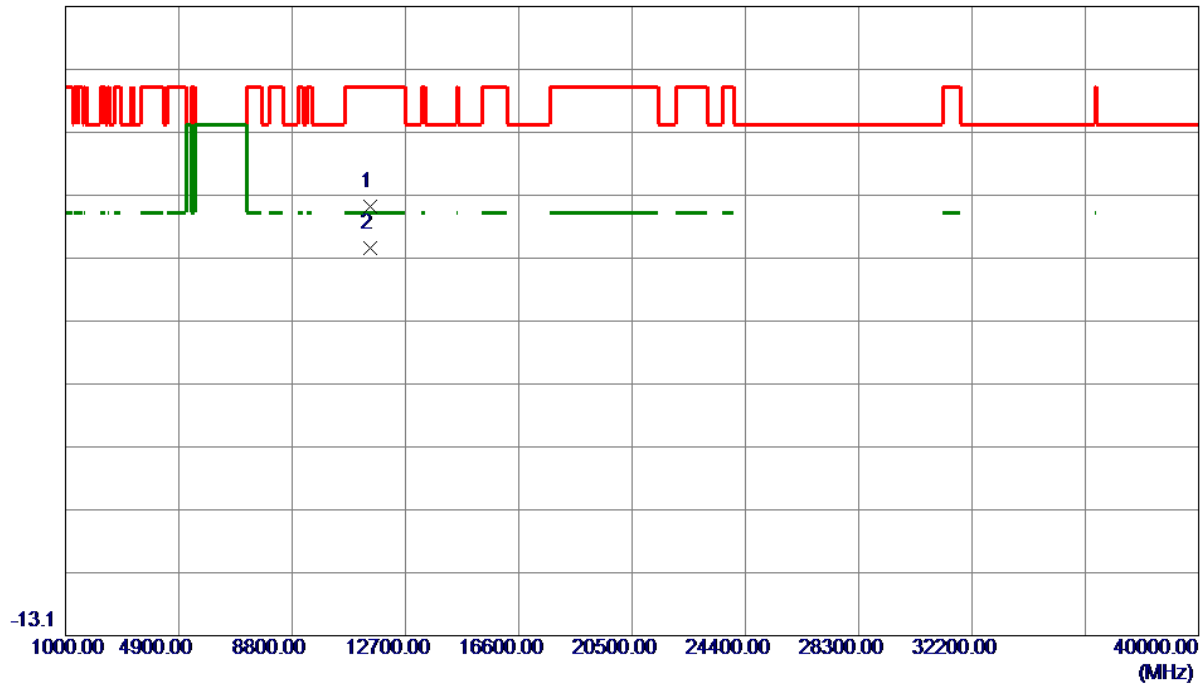
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5627.2000	24.95	38.36	63.31	68.20	-4.89	Peak	
2	5715.0000	23.02	38.46	61.48	109.40	-47.92	Peak	
3	5725.0000	28.17	38.50	66.67	122.20	-55.53	Peak	
4	5745.6000	73.78	38.58	112.36	122.20	-9.84	Peak	
5 *	5982.2000	25.51	39.21	64.72	68.20	-3.48	Peak	

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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86.9 dBuV/m

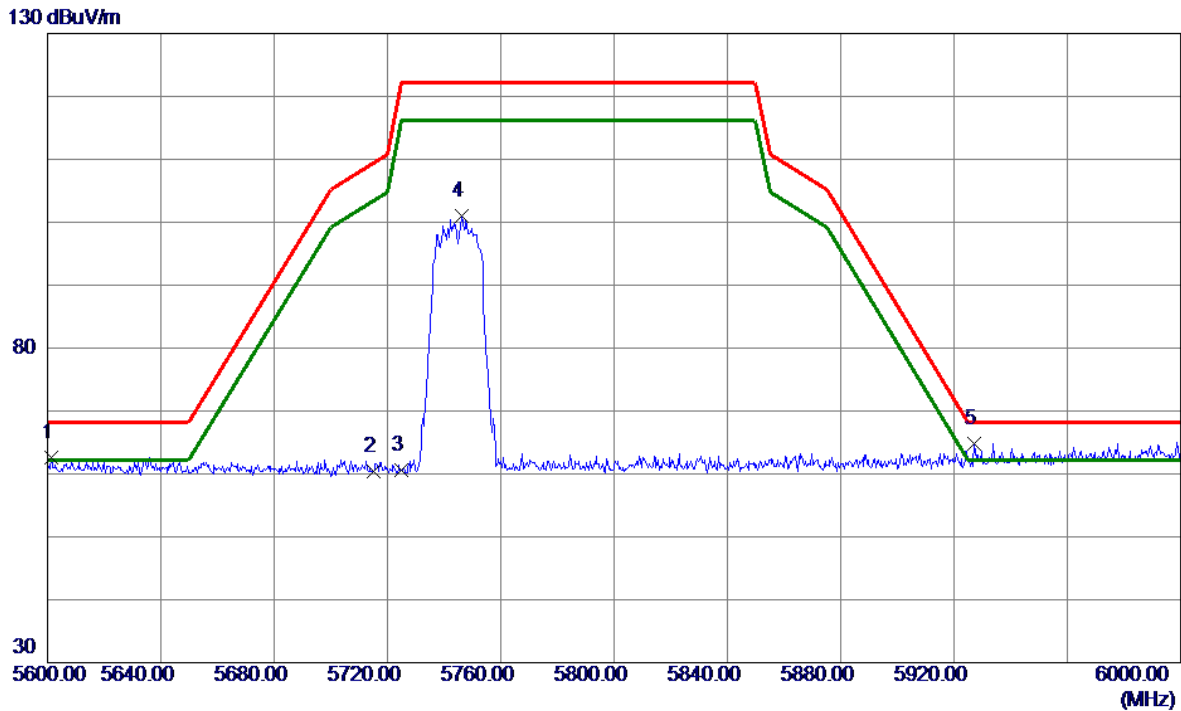


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11487.1000	52.06	3.01	55.07	74.00	-18.93	Peak	
2 *	11487.9840	45.56	3.01	48.57	54.00	-5.43	AVG	

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	Horizontal
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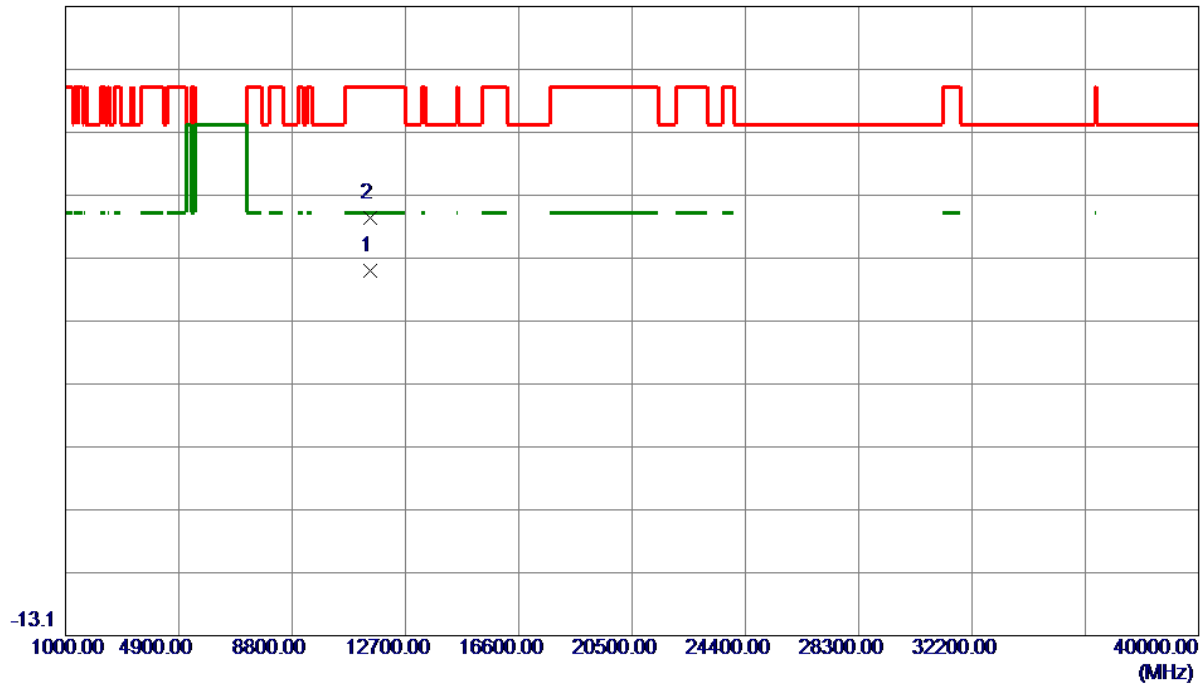
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5601.4000	24.29	38.34	62.63	68.20	-5.57	Peak	
2	5715.0000	22.03	38.46	60.49	109.40	-48.91	Peak	
3	5725.0000	22.06	38.50	60.56	122.20	-61.64	Peak	
4	5746.4000	62.45	38.58	101.03	122.20	-21.17	Peak	
5 *	5927.2000	25.75	39.10	64.85	68.20	-3.35	Peak	

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	Horizontal
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86.9 dBuV/m

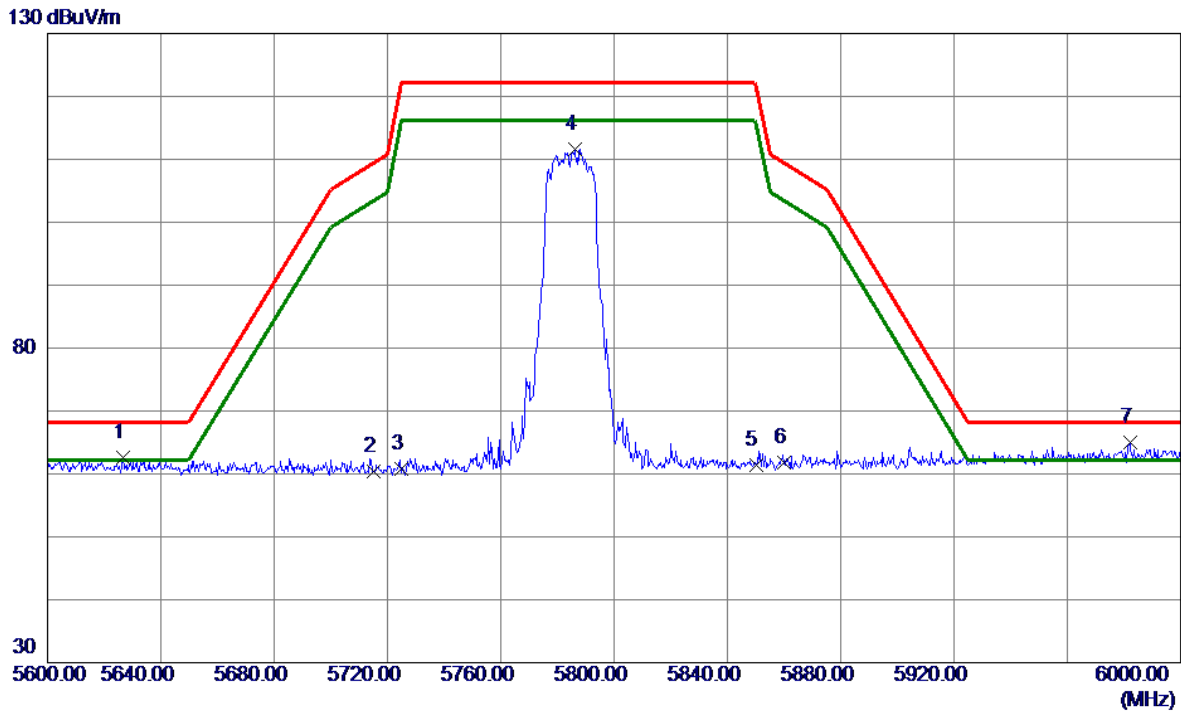


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11485.8580	41.95	3.02	44.97	54.00	-9.03	AVG	
2	11490.0000	50.25	3.01	53.26	74.00	-20.74	Peak	

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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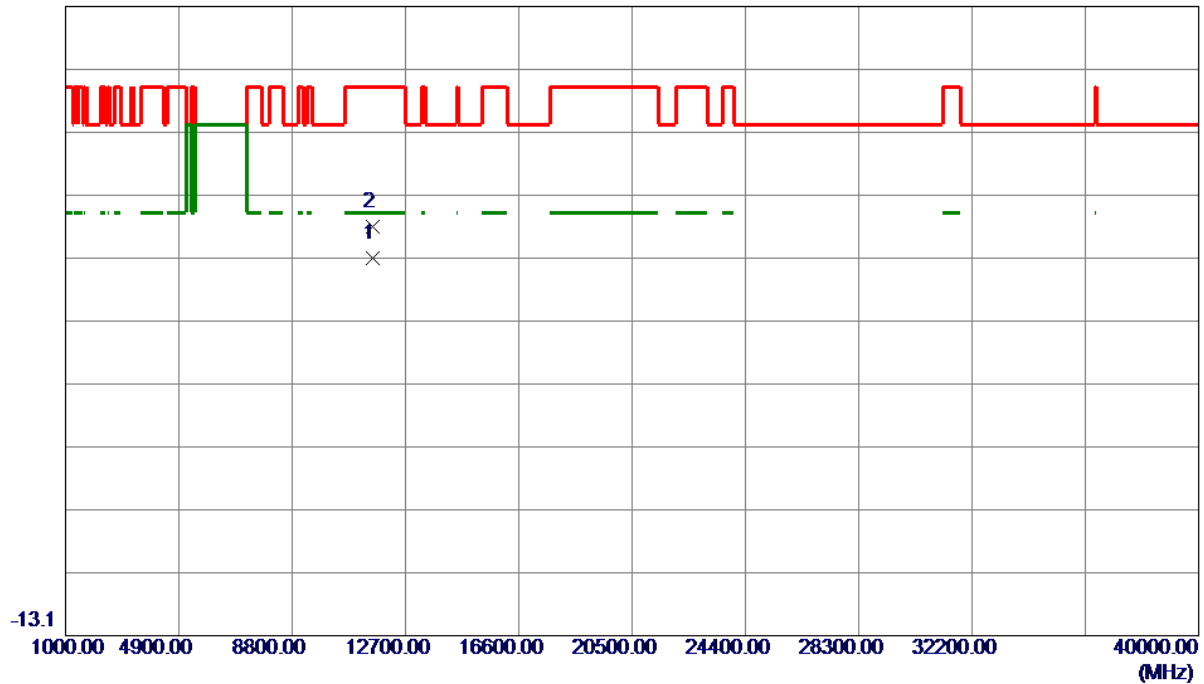
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5626.6000	24.16	38.36	62.52	68.20	-5.68	Peak	
2	5715.0000	21.86	38.46	60.32	109.40	-49.08	Peak	
3	5725.0000	22.33	38.50	60.83	122.20	-61.37	Peak	
4	5786.2000	72.85	38.73	111.58	122.20	-10.62	Peak	
5	5850.0000	22.42	38.91	61.33	122.20	-60.87	Peak	
6	5860.0000	22.82	38.94	61.76	109.40	-47.64	Peak	
7 *	5982.2000	25.70	39.21	64.91	68.20	-3.29	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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86.9 dBuV/m

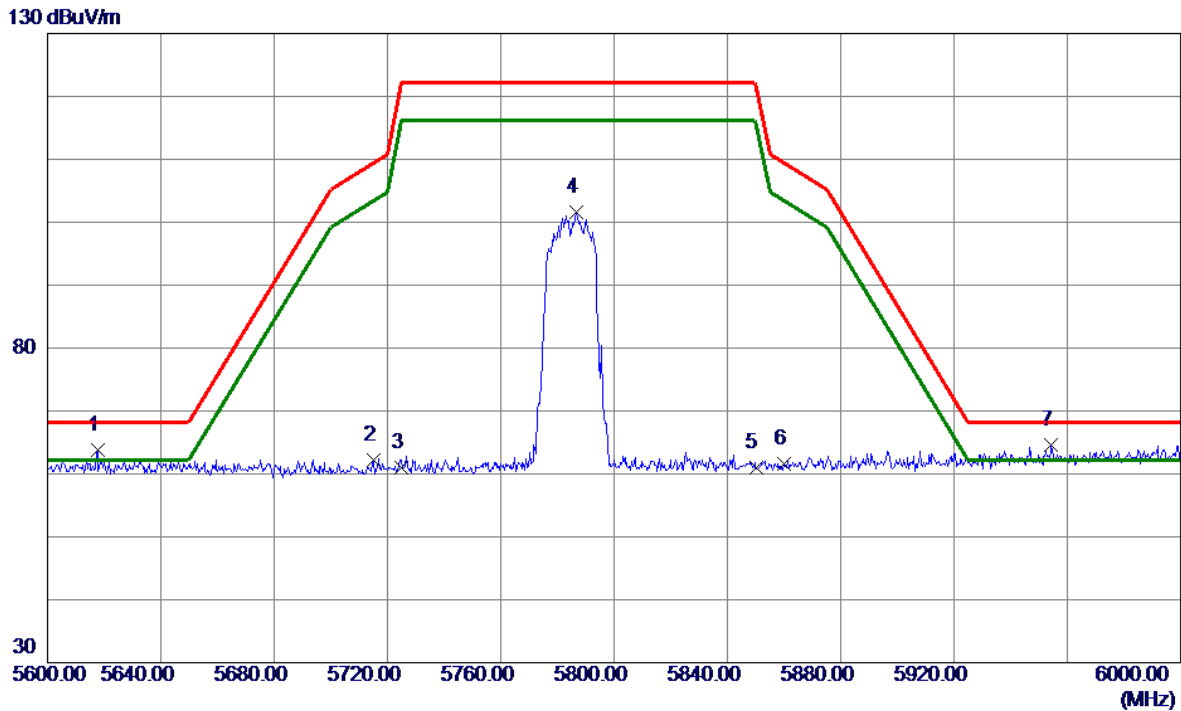


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11567.0359	44.12	2.81	46.93	54.00	-7.07	AVG	
2	11570.0000	49.18	2.80	51.98	74.00	-22.02	Peak	

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	Horizontal
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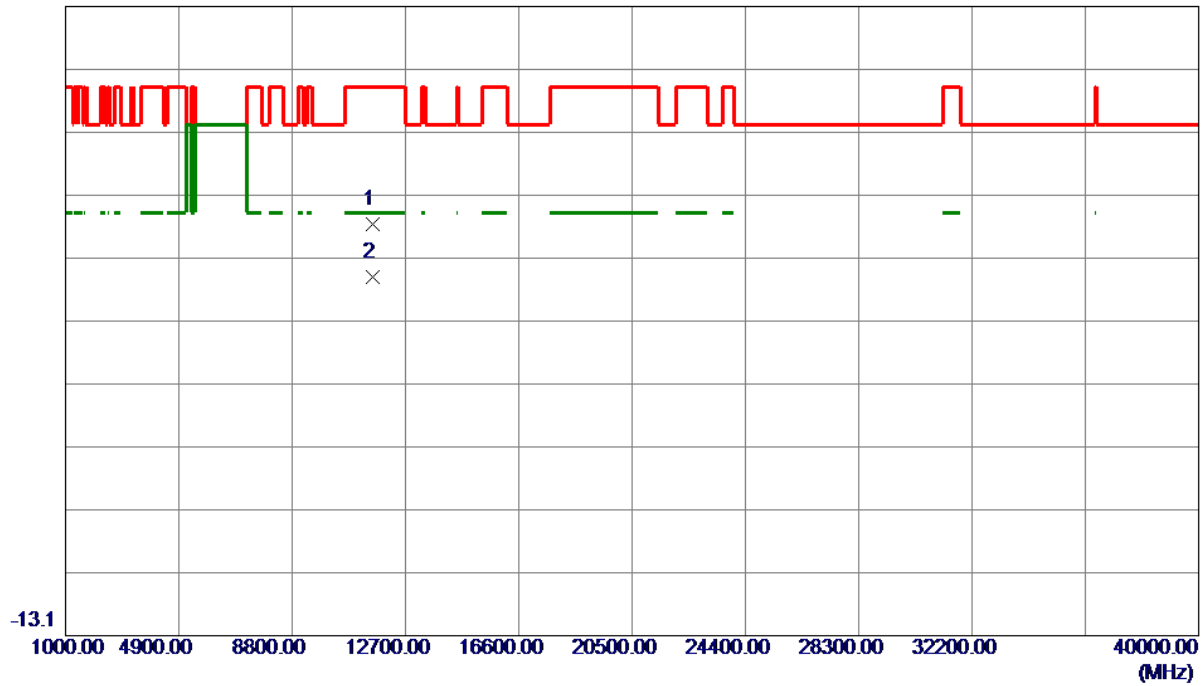
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5617.6000	25.38	38.35	63.73	68.20	-4.47	Peak	
2	5715.0000	23.66	38.46	62.12	109.40	-47.28	Peak	
3	5725.0000	22.55	38.50	61.05	122.20	-61.15	Peak	
4	5786.6000	62.84	38.73	101.57	122.20	-20.63	Peak	
5	5850.0000	22.12	38.91	61.03	122.20	-61.17	Peak	
6	5860.0000	22.72	38.94	61.66	109.40	-47.74	Peak	
7 *	5954.4000	25.50	39.16	64.66	68.20	-3.54	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	Horizontal
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86.9 dBuV/m

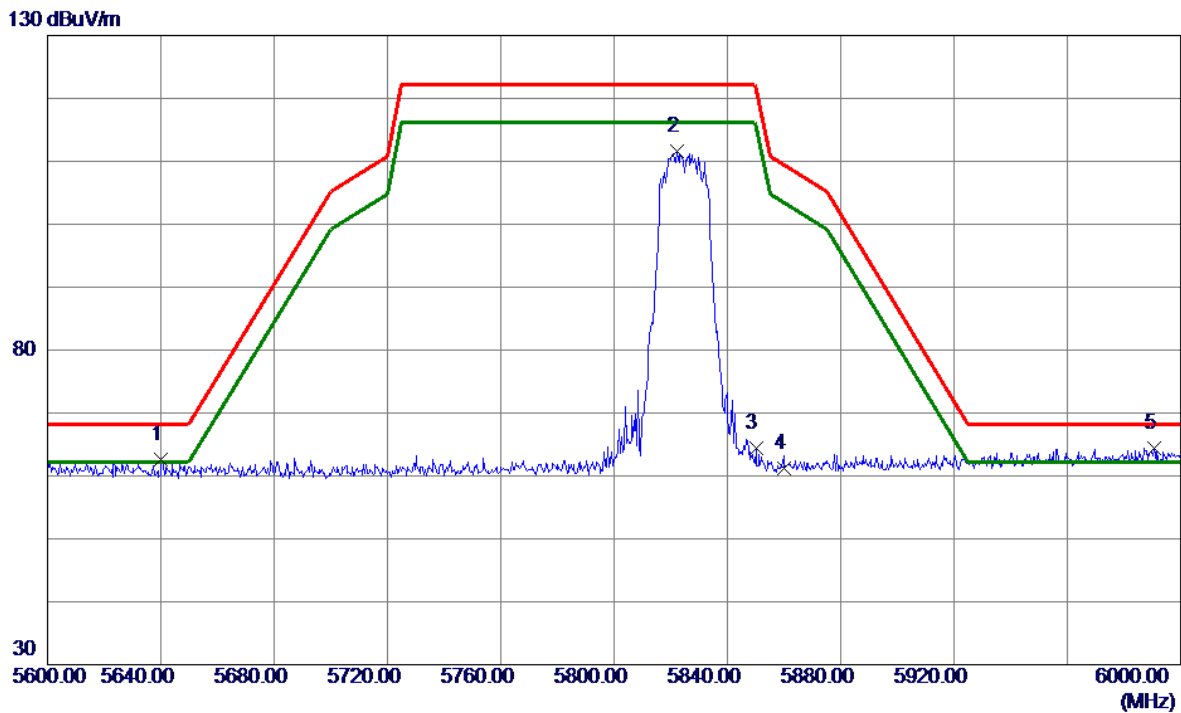


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11570.0000	49.53	2.80	52.33	74.00	-21.67	Peak	
2 *	11572.4020	41.12	2.79	43.91	54.00	-10.09	AVG	

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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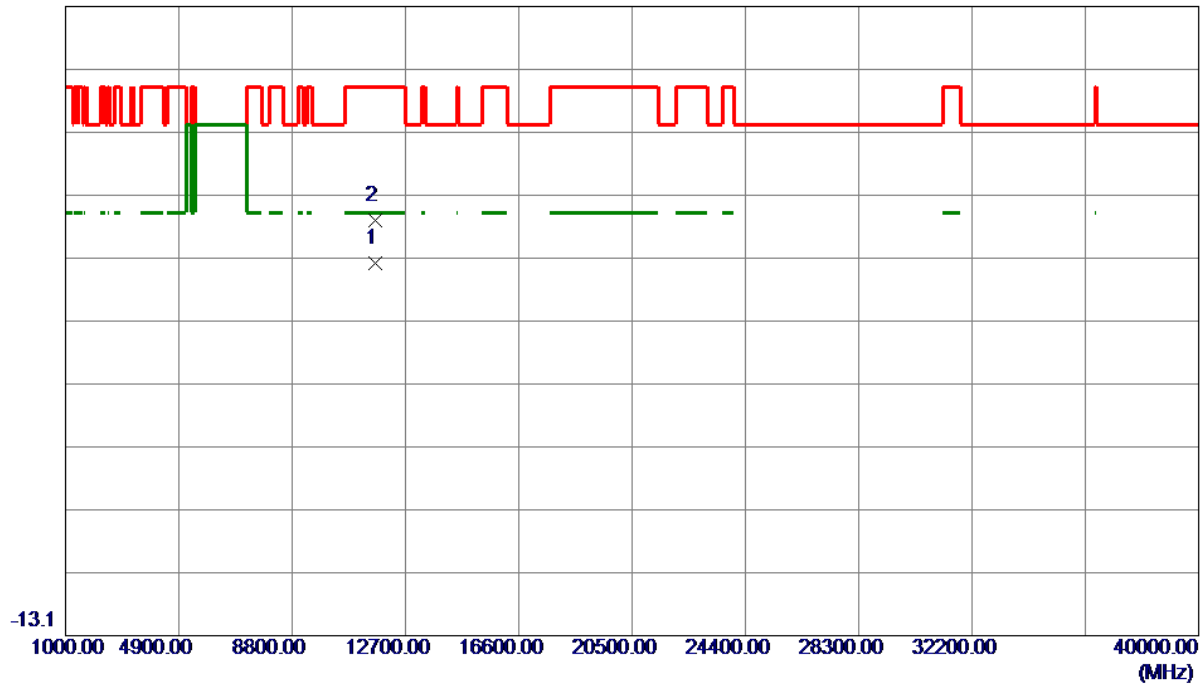
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5640.2000	24.24	38.37	62.61	68.20	-5.59	Peak	
2	5822.2000	72.79	38.84	111.63	122.20	-10.57	Peak	
3	5850.0000	25.47	38.91	64.38	122.20	-57.82	Peak	
4	5860.0000	22.28	38.94	61.22	109.40	-48.18	Peak	
5 *	5990.6000	25.14	39.23	64.37	68.20	-3.83	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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86.9 dBuV/m

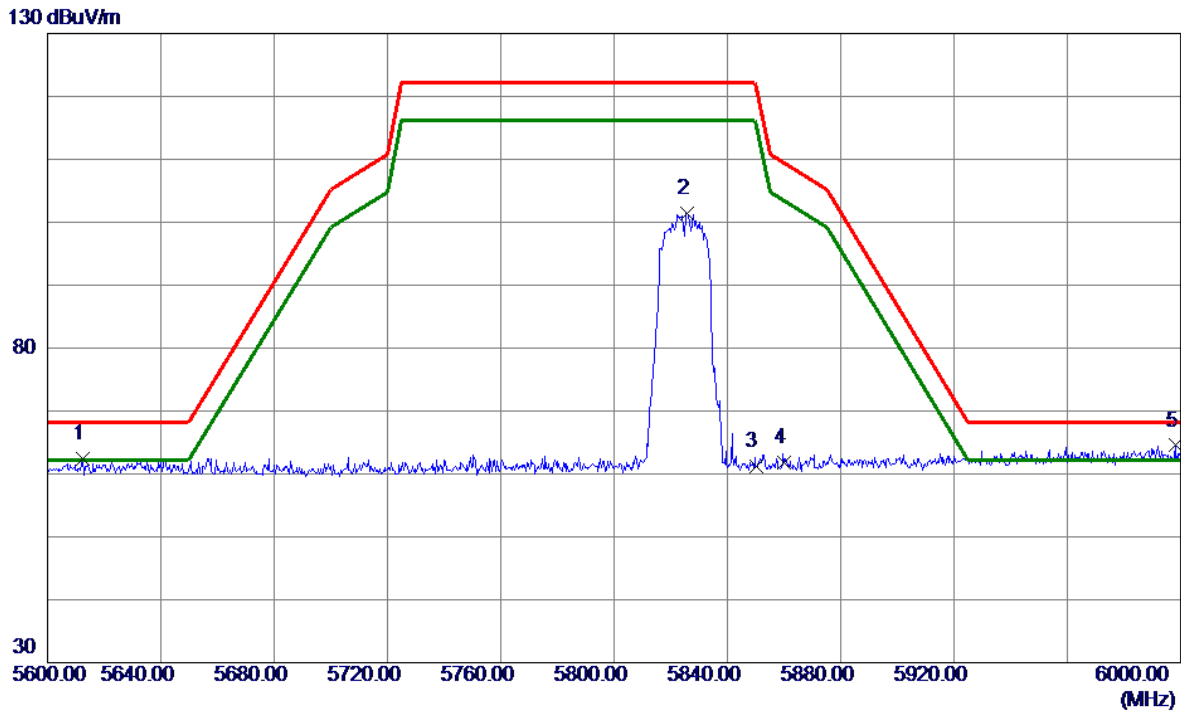


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11648.0260	43.70	2.37	46.07	54.00	-7.93	AVG	
2	11650.0000	50.50	2.35	52.85	74.00	-21.15	Peak	

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	Horizontal
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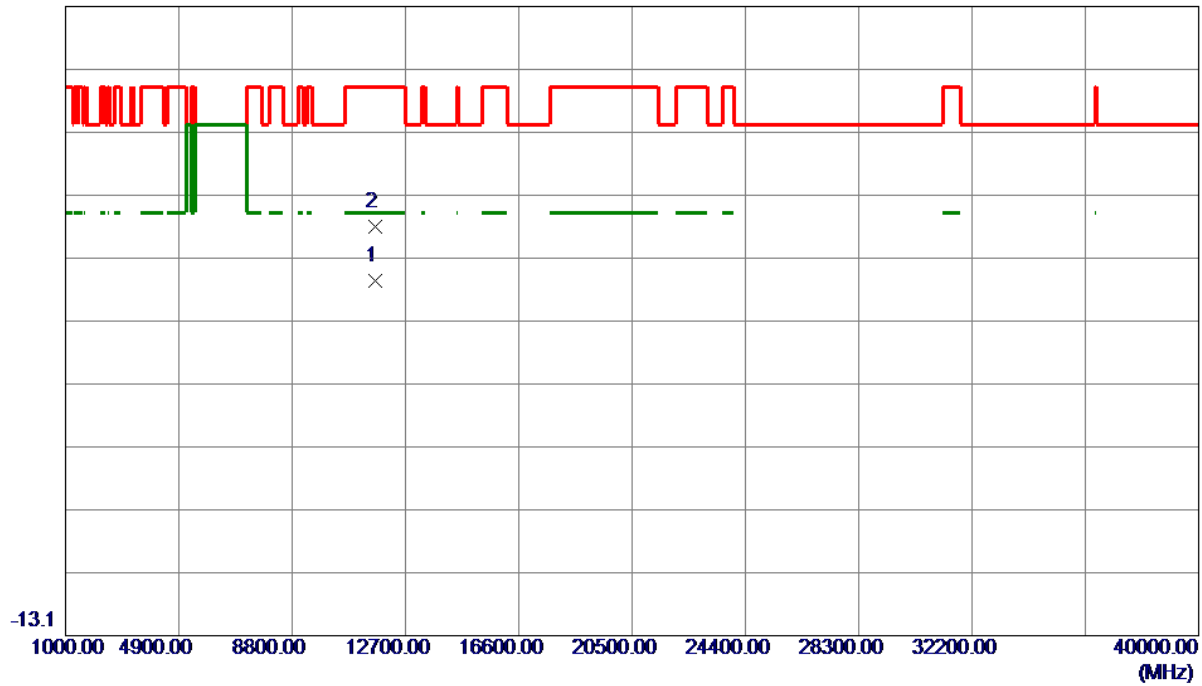
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5612.4000	24.12	38.35	62.47	68.20	-5.73	Peak	
2	5825.6000	62.63	38.85	101.48	122.20	-20.72	Peak	
3	5850.0000	22.25	38.91	61.16	122.20	-61.04	Peak	
4	5860.0000	22.88	38.94	61.82	109.40	-47.58	Peak	
5 *	5998.2000	25.25	39.25	64.50	68.20	-3.70	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	Horizontal
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86.9 dBuV/m

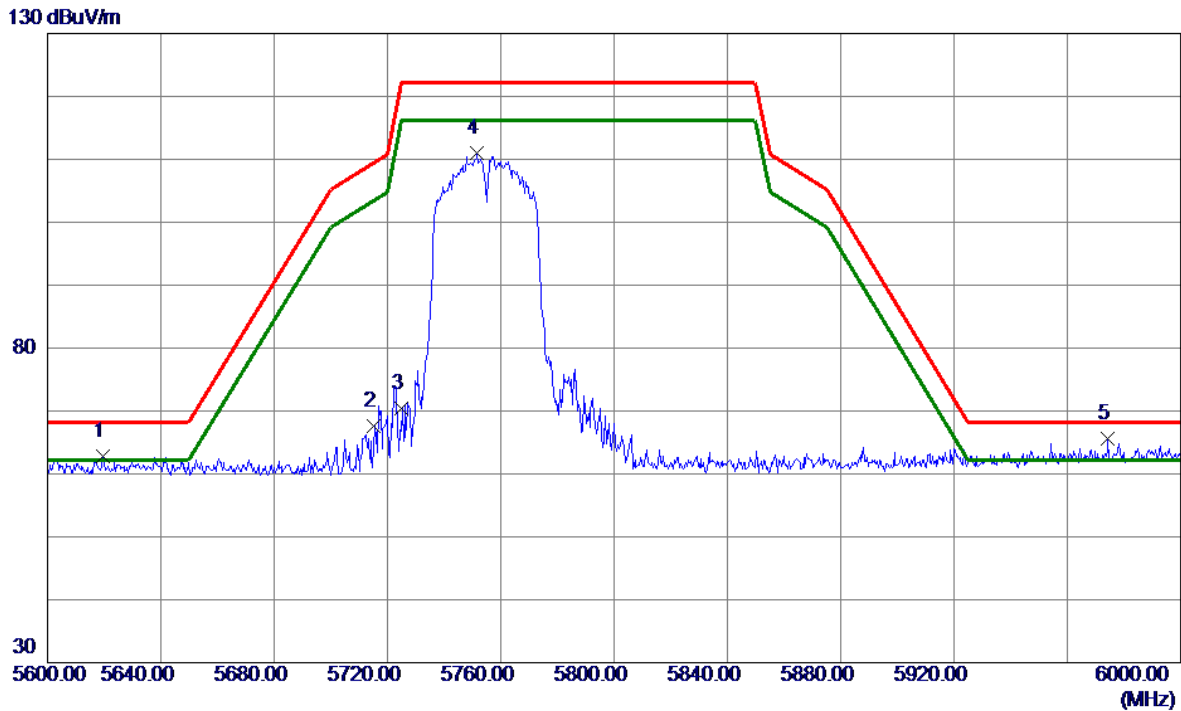


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11647.9330	40.84	2.37	43.21	54.00	-10.79	AVG	
2	11650.0000	49.55	2.35	51.90	74.00	-22.10	Peak	

REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5755 MHz	Polarization	Vertical
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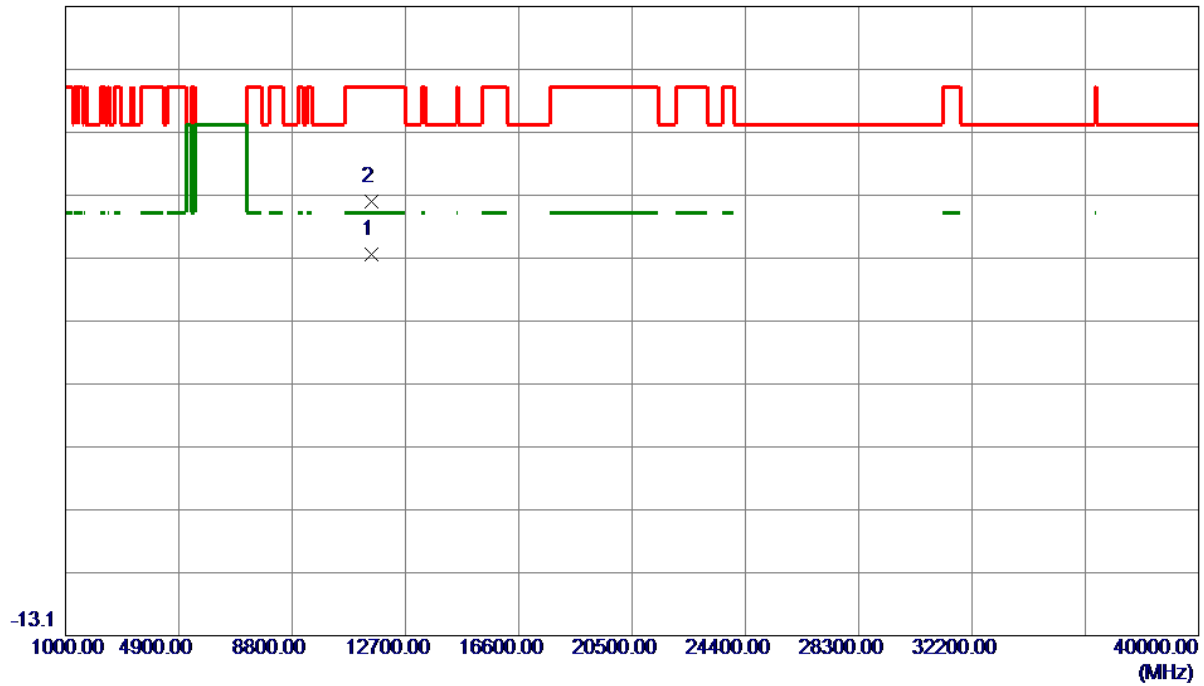
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5619.6000	24.39	38.35	62.74	68.20	-5.46	Peak	
2	5715.0000	29.14	38.46	67.60	109.40	-41.80	Peak	
3	5725.0000	31.84	38.50	70.34	122.20	-51.86	Peak	
4	5751.6000	72.46	38.60	111.06	122.20	-11.14	Peak	
5 *	5974.4000	26.37	39.20	65.57	68.20	-2.63	Peak	

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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86.9 dBuV/m

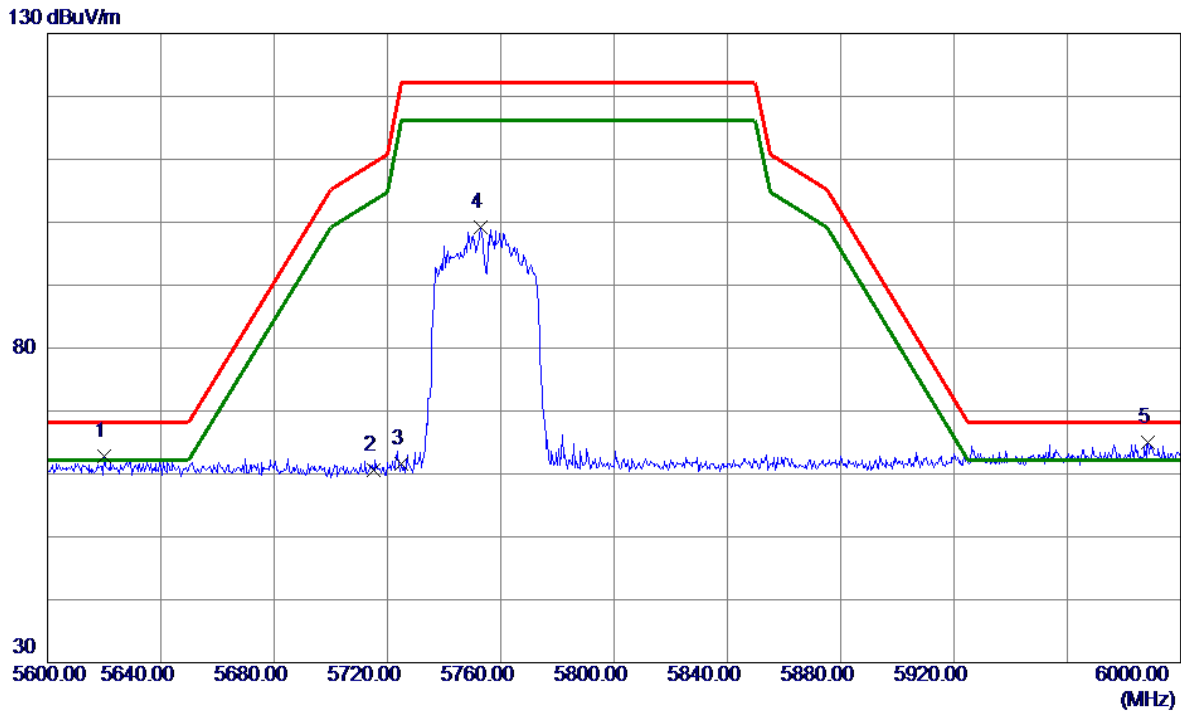


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11514.6180	44.49	2.94	47.43	54.00	-6.57	AVG	
2	11516.3500	52.88	2.94	55.82	74.00	-18.18	Peak	

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	Horizontal
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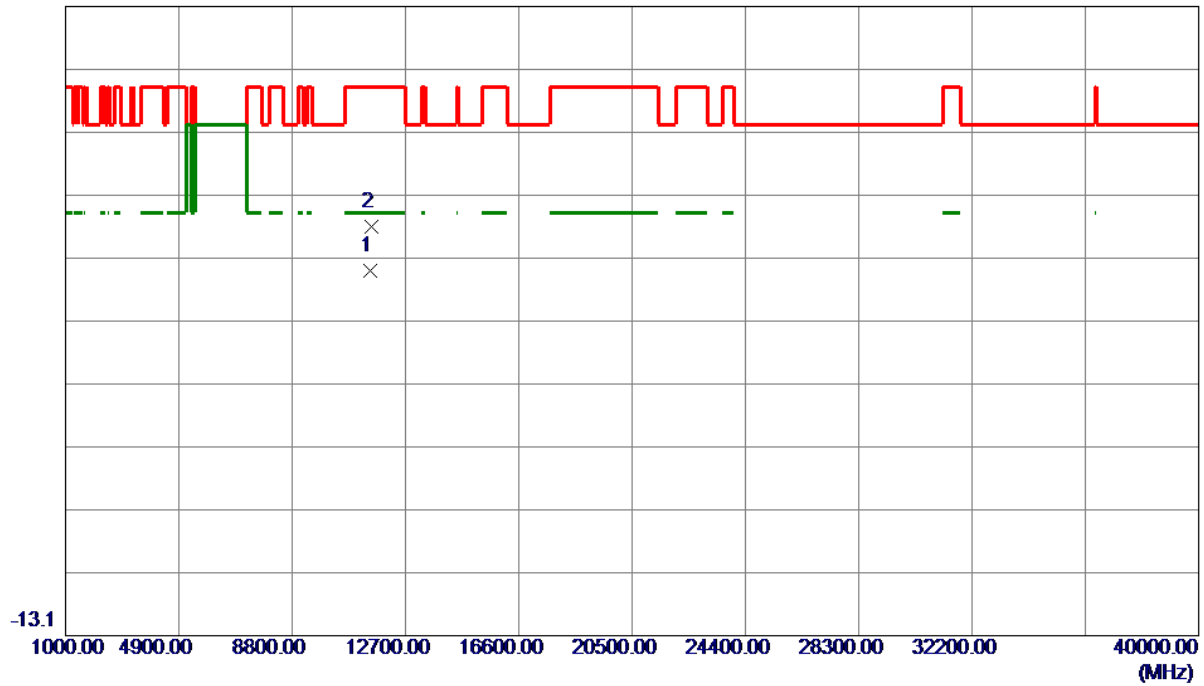
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5620.2000	24.45	38.35	62.80	68.20	-5.40	Peak	
2	5715.0000	22.15	38.46	60.61	109.40	-48.79	Peak	
3	5725.0000	23.03	38.50	61.53	122.20	-60.67	Peak	
4	5752.8000	60.56	38.60	99.16	122.20	-23.04	Peak	
5 *	5988.4000	25.74	39.23	64.97	68.20	-3.23	Peak	

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	Horizontal
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86.9 dBuV/m

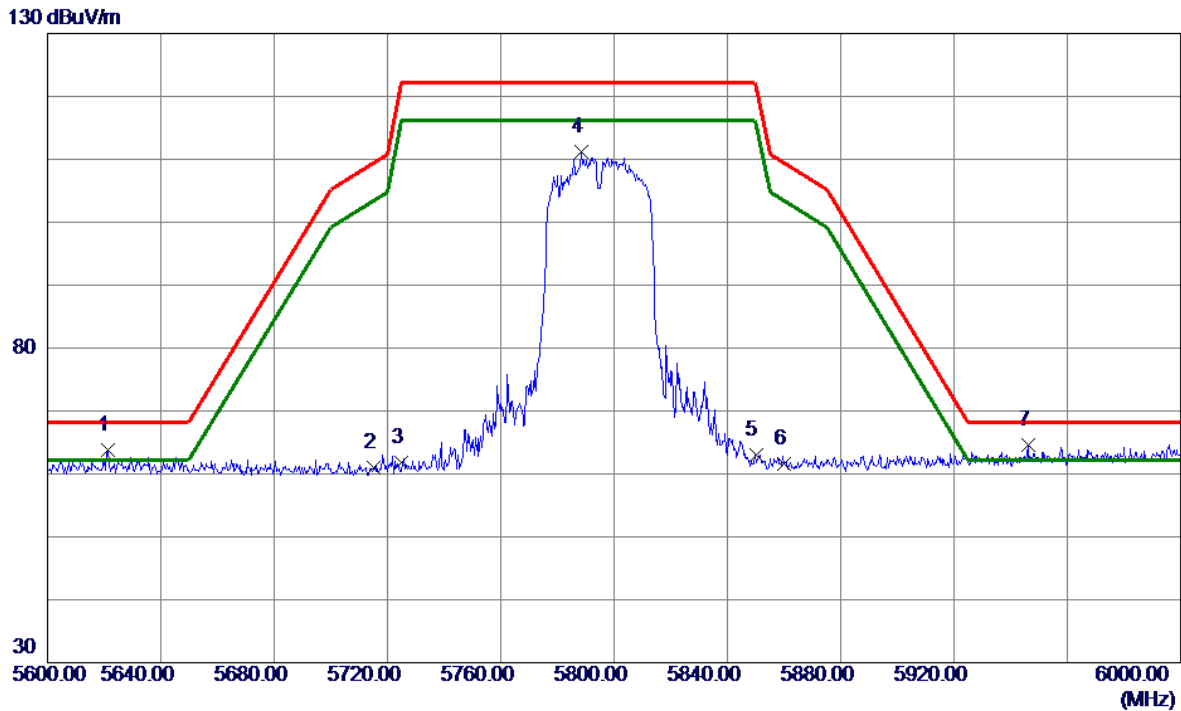


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11501.8019	41.84	2.98	44.82	54.00	-9.18	AVG	
2	11510.0000	48.92	2.95	51.87	74.00	-22.13	Peak	

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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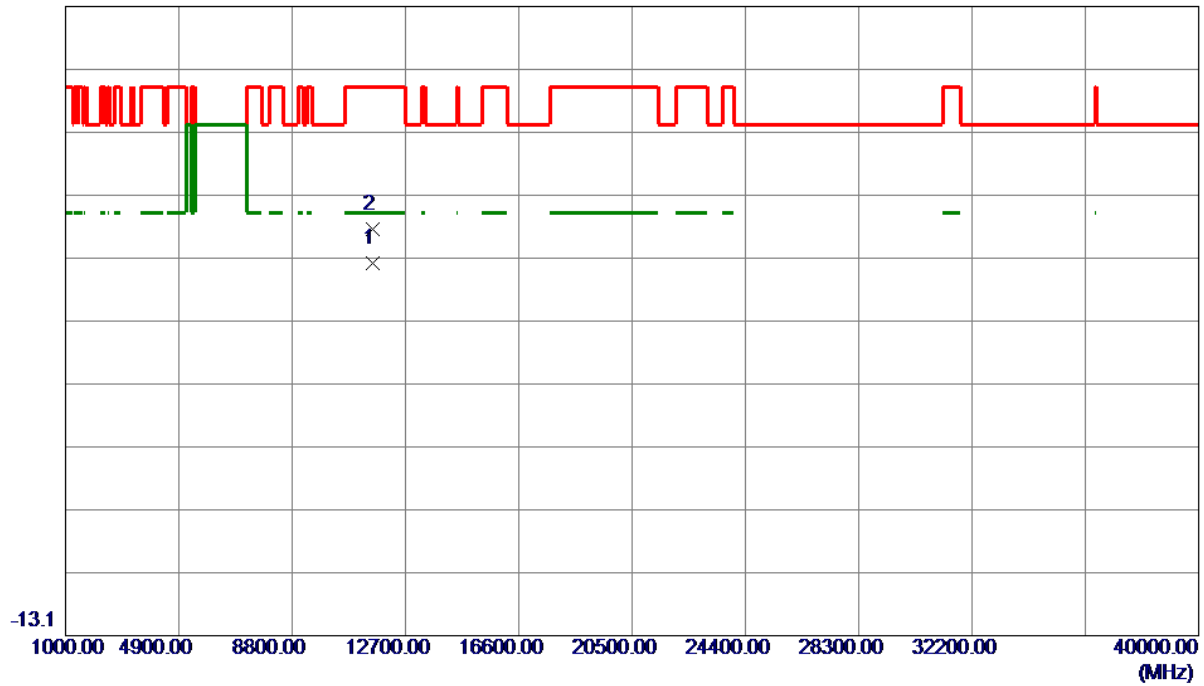
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5621.2000	25.39	38.35	63.74	68.20	-4.46	Peak	
2	5715.0000	22.51	38.46	60.97	109.40	-48.43	Peak	
3	5725.0000	23.32	38.50	61.82	122.20	-60.38	Peak	
4	5788.6000	72.41	38.74	111.15	122.20	-11.05	Peak	
5	5850.0000	24.17	38.91	63.08	122.20	-59.12	Peak	
6	5860.0000	22.60	38.94	61.54	109.40	-47.86	Peak	
7 *	5946.2000	25.42	39.14	64.56	68.20	-3.64	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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86.9 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11587.2680	43.34	2.75	46.09	54.00	-7.91	AVG	
2	11590.0000	48.69	2.75	51.44	74.00	-22.56	Peak	

REMARKS:

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