

FCC Radio Test Report

FCC ID: 2AXJ4HX510

This report concerns: **Original Grant**

Project No. : 2203C047
Equipment : AX3000 Whole Home Mesh Wi-Fi AP
Brand Name : tp-link
Test Model : HX510
Series Model : N/A
Applicant : TP-Link Corporation Limited
Address : Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road,
Tsim Sha Tsui, Kowloon, Hong Kong
Manufacturer : TP-Link Corporation Limited
Address : Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road,
Tsim Sha Tsui, Kowloon, Hong Kong
Date of Receipt : Mar. 09, 2022
Date of Test : Mar. 10, 2022 ~ May 10, 2022
Issued Date : May 31, 2022
Report Version : R01
Test Sample : Engineering Sample No.: DG2022030973 & DG2022041844 for radiated
emissions, DG2022030970 for conducted.
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.



Prepared by : Sheldon Ou



Approved by : Chay Cai



TESTING CERT #5123.02

Add: No. 3 Jinshagang 1st Rd. Shixia, Dalang Town Dongguan City, Guangdong 523792

People's Republic of China

Tel: +86-769-8318-3000

Web: www.newbtl.com

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 No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2203C047	R00	Original Report	May 23, 2022	Invalid
BTL-FCCP-2-2203C047	R01	Added the description in section 2.4.	May 31, 2022	Valid

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

Note:

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

1.1 TEST FACILITY

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

BTL's Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

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

The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.60

B. Radiated emissions test:

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

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.36
		30MHz ~ 200MHz	H	3.32
		200MHz ~ 1,000MHz	V	4.08
		200MHz ~ 1,000MHz	H	3.96

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

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

C. Other Measurement test:

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


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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	24°C	60%	AC 120V/60Hz	Rod Tang
Radiated Emissions-9kHz to 30MHz	20°C	60%	AC 120V/60Hz	Torocat Yuan
Radiated Emissions-30MHz to 1000MHz	21°C	47%	AC 120V/60Hz	Jakyri Wen
Radiated Emissions-Above 1000 MHz	21-26°C	47-53%	AC 120V/60Hz	Jakyri Wen
Bandwidth	24°C	58%	AC 120V/60Hz	Nicole Chen
Maximum Output Power	22.2-22.7°C	63.1-67.5%	AC 120V/60Hz	Longdage Feng
Power Spectral Density	24°C	58%	AC 120V/60Hz	Nicole Chen
Frequency Stability	Normal & Extreme	58%	Normal & Extreme	Nicole Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AX3000 Whole Home Mesh Wi-Fi AP
Brand Name	tp-link
Test Model	HX510
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC Voltage supplied from AC adapter. Model: T120150-2B1
Power Rating	I/P: 100-240V~ 50/60Hz 0.6A O/P:12.0V  1.5A
Operation Frequency Band(s)	UNII-1: 5150 MHz ~ 5250 MHz UNII-2A: 5250 MHz ~ 5350 MHz UNII-2C: 5470 MHz ~ 5725 MHz UNII-3: 5725 MHz ~ 5850 MHz
Modulation Type	IEEE 802.11a/n/ac: OFDM IEEE 802.11ax: OFDMA
Bit Rate of Transmitter	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 866.7 Mbps IEEE 802.11ac: up to 1733.4 Mbps IEEE 802.11ax: up to 2402 Mbps
Maximum Output Power UNII-1 Non Beamforming	IEEE 802.11ac(VHT80): 25.83 dBm (0.3828 W)
Maximum Output Power UNII-2A Non Beamforming	IEEE 802.11ac(VHT40): 23.75 dBm (0.2371 W)
Maximum Output Power UNII-2C Non Beamforming	IEEE 802.11ac(VHT80): 23.97 dBm (0.2495 W)
Maximum Output Power UNII-3 Non Beamforming	IEEE 802.11ac(VHT20): 25.95 dBm (0.3936 W)
Maximum Output Power UNII-1 Beamforming	IEEE 802.11ac(VHT80): 25.32 dBm (0.3404 W)
Maximum Output Power UNII-2A Beamforming	IEEE 802.11ac(VHT40): 23.17 dBm (0.2075 W)
Maximum Output Power UNII-2C Beamforming	IEEE 802.11ac(VHT160): 23.50 dBm (0.2239 W)
Maximum Output Power UNII-3 Beamforming	IEEE 802.11ax(HE40): 25.94 dBm (0.3926 W)

Note:

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

2. Channel List:

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
UNII-2A		UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

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

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

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

3. Antenna Specification:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	tp-link	3101504343	Dipole	WELD	1
2	tp-link	3101504344	Dipole	WELD	1

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$.
For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=1 dBi.
For power spectral density measurements, $N_{ANT}=2$, $N_{SS} = 1$.
So the Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT}/N_{SS})\text{dBi} = 1 + 10\log(2/1)\text{dBi} = 4.01$ dBi.
- 2) Beamforming Gain: 3 dB. Then the Directional gain=1+3=4 dBi.
- 3) The antenna gain and beamforming gain are provided by the manufacturer.

4. Table for Antenna Configuration:

For Non Beamforming:

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

For Beamforming:

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

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 AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 6	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 7	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 8	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 9	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 10	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 11	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 12	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 13	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 14	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 15	TX AC(VHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 17	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 18	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 19	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 20	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 21	TX AC(VHT160) Mode Channel 114 (UNII-2C)
Mode 22	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 25	TX AX(HE160) Mode Channel 114 (UNII-2C)
Mode 26	TX A Mode Channel 149/157/165 (UNII-3)
Mode 27	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 28	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 29	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 30	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 31	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 32	TX AX(HE80) Mode Channel 155 (UNII-3)
Mode 33	TX AC(VHT20) Mode Channel 157 (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 33	TX AC(VHT20) Mode Channel 157 (UNII-3)

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 33	TX AC(VHT20) Mode Channel 157 (UNII-3)

Radiated Emissions Test - Above 1GHz_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 6	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 7	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 8	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 9	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 10	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 11	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 12	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 13	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 14	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 15	TX AC(VHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 17	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 18	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 19	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 20	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 21	TX AC(VHT160) Mode Channel 114 (UNII-2C)
Mode 22	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 25	TX AX(HE160) Mode Channel 114 (UNII-2C)

Radiated Emissions Test - Above 1GHz_Non Beamforming	
Final Test Mode	Description
Mode 26	TX A Mode Channel 149/157/165 (UNII-3)
Mode 27	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 28	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 29	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 30	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 31	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 32	TX AX(HE80) Mode Channel 155 (UNII-3)

Maximum Output Power Test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 6	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 7	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 8	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 9	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 10	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 11	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 12	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 13	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 14	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 15	TX AC(VHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 17	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 18	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 19	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 20	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 21	TX AC(VHT160) Mode Channel 114 (UNII-2C)
Mode 22	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 25	TX AX(HE160) Mode Channel 114 (UNII-2C)

Maximum Output Power Test_Non Beamforming	
Final Test Mode	Description
Mode 26	TX A Mode Channel 149/157/165 (UNII-3)
Mode 27	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 28	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 29	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 30	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 31	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 32	TX AX(HE80) Mode Channel 155 (UNII-3)

Maximum Output Power Test_Beamforming	
Final Test Mode	Description
Mode 2	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 6	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 7	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 9	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 10	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 11	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 12	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 13	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 14	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 15	TX AC(VHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 18	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 19	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 20	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 21	TX AC(VHT160) Mode Channel 114 (UNII-2C)
Mode 22	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 25	TX AX(HE160) Mode Channel 114 (UNII-2C)
Mode 27	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 28	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 29	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 30	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 31	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 32	TX AX(HE80) Mode Channel 155 (UNII-3)

Conducted Test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 6	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 7	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 8	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 9	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 10	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 11	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 12	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 13	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 14	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 15	TX AC(VHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 17	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 18	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 19	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 20	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 21	TX AC(VHT160) Mode Channel 114 (UNII-2C)
Mode 22	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 25	TX AX(HE160) Mode Channel 114 (UNII-2C)
Mode 26	TX A Mode Channel 149/157/165 (UNII-3)
Mode 27	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 28	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 29	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 30	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 31	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 32	TX AX(HE80) Mode Channel 155 (UNII-3)

Note:

- (1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX AC(VHT20) Mode Channel 157 (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) VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- (5) The measurements for Output Power are tested, the Non Beamforming and Beamforming are recorded in the report. The worst case is Non Beamforming and only the worst case is documented for other test items.
- (6) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.
- (7) For radiated emission above 1 GHz test: The polarization of Vertical and Horizontal are evaluated, the worst case is Vertical and recorded.

2.3 PARAMETERS OF TEST SOFTWARE
Non Beamforming

UNII-1			
Test Software Version	QDART-Connectivity1.0-00080		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	21.5	21.5	22
IEEE 802.11n(HT20)	13	14	15
IEEE 802.11ac(VHT20)	22	22	22.5
IEEE 802.11ax(HE20)	21.5	22	22
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	25	26	
IEEE 802.11ac(VHT40)	21	21.5	
IEEE 802.11ax(HE40)	21.5	22	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	22		
IEEE 802.11ax(HE80)	22		

UNII-2A			
Test Software Version	QDART-Connectivity1.0-00080		
Frequency (MHz)	5260	5300	5320
IEEE 802.11a	17	17.5	17
IEEE 802.11n(HT20)	16	17	18
IEEE 802.11ac(VHT20)	17.5	17.5	17.5
IEEE 802.11ax(HE20)	17	17	17
Frequency (MHz)	5270	5310	
IEEE 802.11n(HT40)	27	28	
IEEE 802.11ac(VHT40)	20	20	
IEEE 802.11ax(HE40)	20	20	
Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	20.5		
IEEE 802.11ax(HE80)	20.5		

UNII-1+UNII-2A	
Test Software Version	QDART-Connectivity1.0-00080
Frequency (MHz)	5250
IEEE 802.11ac(VHT160)	20
IEEE 802.11ax(HE160)	20

UNII-2C			
Test Software Version	QDART-Connectivity1.0-00080		
Frequency (MHz)	5500	5580	5700
IEEE 802.11a	17.5	17.5	17.5
IEEE 802.11n(HT20)	19	20	21
IEEE 802.11ac(VHT20)	17.5	17.5	17.5
IEEE 802.11ax(HE20)	18	18	17.5
Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	29	30	31
IEEE 802.11ac(VHT40)	20.5	20	20
IEEE 802.11ax(HE40)	21	21	20.5
Frequency (MHz)	5530	5610	
IEEE 802.11ac(VHT80)	20.5	21.5	
IEEE 802.11ax(HE80)	21	21.5	
Frequency (MHz)	5570		
IEEE 802.11ac(VHT160)	20.5		
IEEE 802.11ax(HE160)	20.5		

UNII-3			
Test Software Version	QDART-Connectivity1.0-00080		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	22.5	22.5	23
IEEE 802.11n(HT20)	22	23	24
IEEE 802.11ac(VHT20)	22.5	23	23
IEEE 802.11ax(HE20)	23	23	23
Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	32	33	
IEEE 802.11ac(VHT40)	23	23	
IEEE 802.11ax(HE40)	23	23	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	23		
IEEE 802.11ax(HE80)	23		

Beamforming

UNII-1			
Test Software Version	QDART-Connectivity1.0-00080		
Frequency (MHz)	5180	5200	5240
IEEE 802.11n(HT20)	13	14	15
IEEE 802.11ac(VHT20)	21.5	21.5	22
IEEE 802.11ax(HE20)	21	21.5	21.5
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	25	26	
IEEE 802.11ac(VHT40)	20.5	21	
IEEE 802.11ax(HE40)	21	21.5	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	21.5		
IEEE 802.11ax(HE80)	21.5		

UNII-2A			
Test Software Version	QDART-Connectivity1.0-00080		
Frequency (MHz)	5260	5300	5320
IEEE 802.11n(HT20)	16	17	18
IEEE 802.11ac(VHT20)	17	17	17
IEEE 802.11ax(HE20)	16.5	16.5	16.5
Frequency (MHz)	5270	5310	
IEEE 802.11n(HT40)	27	28	
IEEE 802.11ac(VHT40)	19.5	19.5	
IEEE 802.11ax(HE40)	19.5	19.5	
Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	20		
IEEE 802.11ax(HE80)	20		

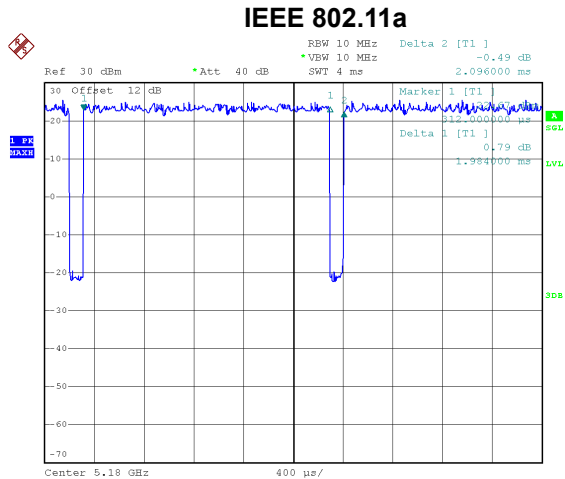
UNII-1+UNII-2A	
Test Software Version	QDART-Connectivity1.0-00080
Frequency (MHz)	5250
IEEE 802.11ac(VHT160)	19.5
IEEE 802.11ax(HE160)	19.5

UNII-2C			
Test Software Version	QDART-Connectivity1.0-00080		
Frequency (MHz)	5500	5580	5700
IEEE 802.11n(HT20)	19	20	21
IEEE 802.11ac(VHT20)	17	17	17
IEEE 802.11ax(HE20)	17.5	17.5	17
Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	29	30	31
IEEE 802.11ac(VHT40)	20	19.5	19.5
IEEE 802.11ax(HE40)	20.5	20.5	20
Frequency (MHz)	5530	5610	
IEEE 802.11ac(VHT80)	20	21	
IEEE 802.11ax(HE80)	20.5	21	
Frequency (MHz)	5570		
IEEE 802.11ac(VHT160)	20		
IEEE 802.11ax(HE160)	20		

UNII-3			
Test Software Version	QDART-Connectivity1.0-00080		
Frequency (MHz)	5745	5785	5825
IEEE 802.11n(HT20)	22	23	24
IEEE 802.11ac(VHT20)	22	22.5	22.5
IEEE 802.11ax(HE20)	22.5	22.5	22.5
Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	32	33	
IEEE 802.11ac(VHT40)	22.5	22.5	
IEEE 802.11ax(HE40)	22.5	22.5	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	22.5		
IEEE 802.11ax(HE80)	22.5		

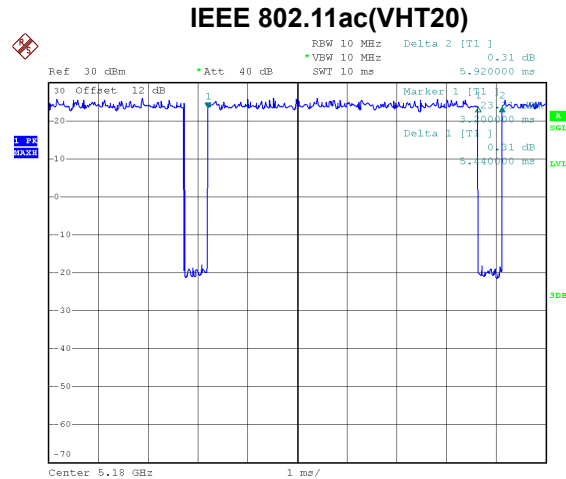
2.4 DUTY CYCLE

If duty cycle is $\geq 98\%$, duty factor is not required.
 If duty cycle is $< 98\%$, duty factor shall be considered.
 The output power = measured power + duty factor.
 The power spectral density = measured power spectral density + duty factor.



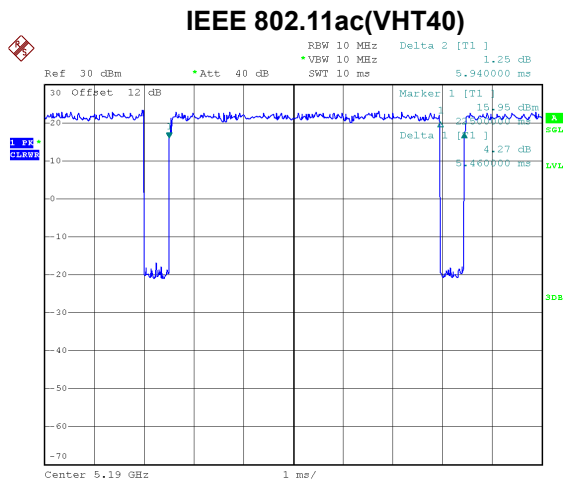
Date: 14.MAR.2022 17:29:50

Duty cycle = $1.984 \text{ ms} / 2.096 \text{ ms} = 94.66\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.24$



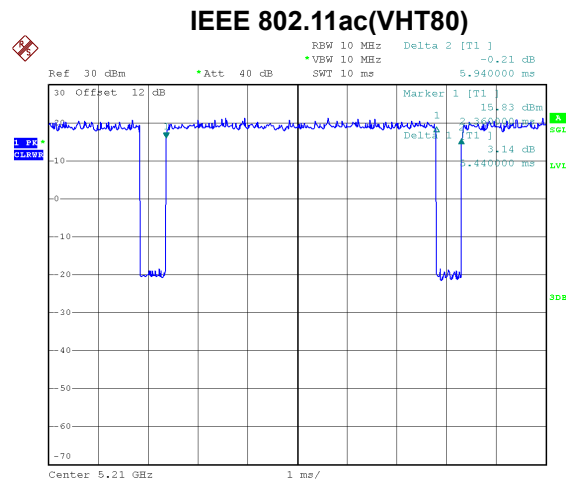
Date: 14.MAR.2022 17:31:00

Duty cycle = $5.440 \text{ ms} / 5.920 \text{ ms} = 91.89\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.37$



Date: 14.MAR.2022 17:32:34

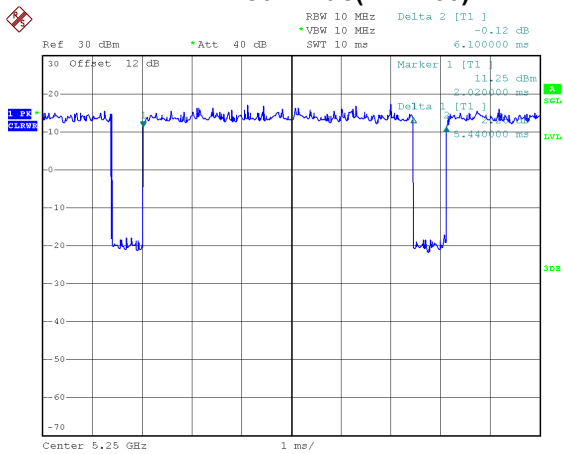
Duty cycle = $5.460 \text{ ms} / 5.940 \text{ ms} = 91.92\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.37$



Date: 14.MAR.2022 17:33:33

Duty cycle = $5.440 \text{ ms} / 5.940 \text{ ms} = 91.58\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.38$

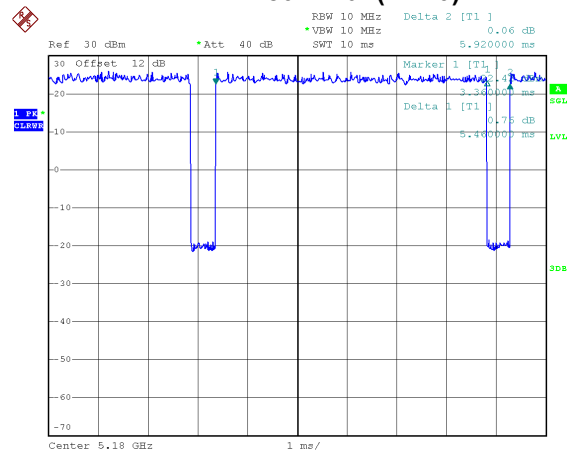
IEEE 802.11ac(VHT160)



Date: 14.MAR.2022 17:34:54

Duty cycle = 5.440 ms / 6.100 ms = 89.18%
 Duty Factor = 10 log(1 / Duty cycle) = 0.50

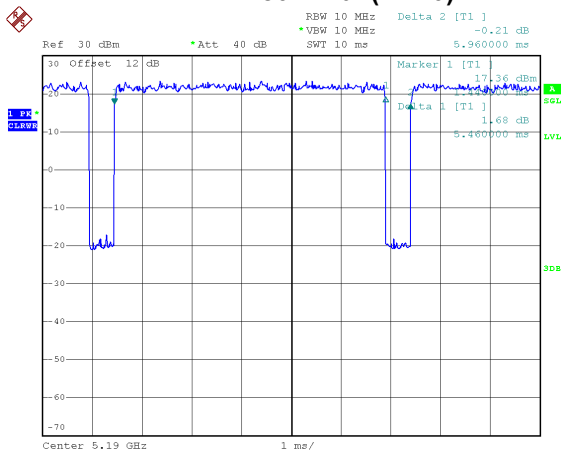
IEEE 802.11ax(HE20)



Date: 14.MAR.2022 17:35:43

Duty cycle = 5.460 ms / 5.920 ms = 92.23%
 Duty Factor = 10 log(1 / Duty cycle) = 0.35

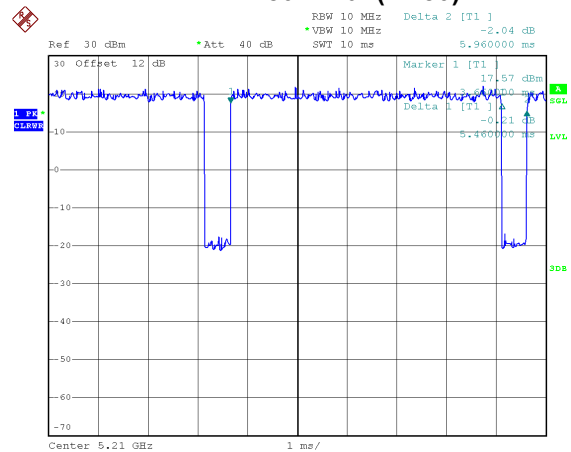
IEEE 802.11ax(HE40)



Date: 14.MAR.2022 17:36:32

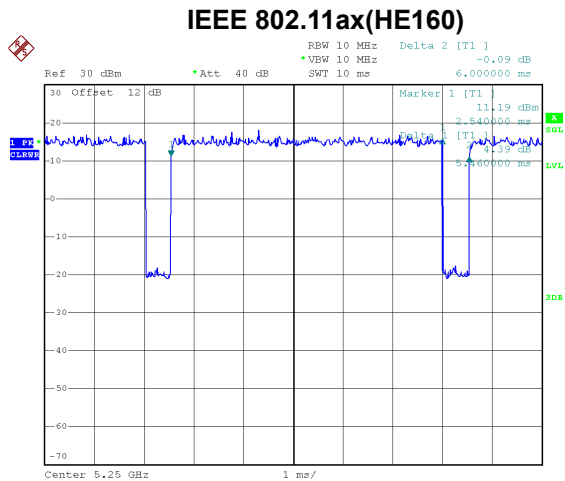
Duty cycle = 5.460 ms / 5.960 ms = 91.61%
 Duty Factor = 10 log(1 / Duty cycle) = 0.38

IEEE 802.11ax(HE80)



Date: 14.MAR.2022 17:37:27

Duty cycle = 5.460 ms / 5.960 ms = 91.61%
 Duty Factor = 10 log(1 / Duty cycle) = 0.38



Date: 14.MAR.2022 17:38:46

Duty cycle = $5.460 \text{ ms} / 6.000 \text{ ms} = 91.00\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.41$

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 504 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 184 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 184 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT160):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 184 Hz (Duty cycle < 98%).

For IEEE 802.11ax(HE20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 Hz (Duty cycle < 98%).

For IEEE 802.11ax(HE40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 Hz (Duty cycle < 98%).

For IEEE 802.11ax(HE80):

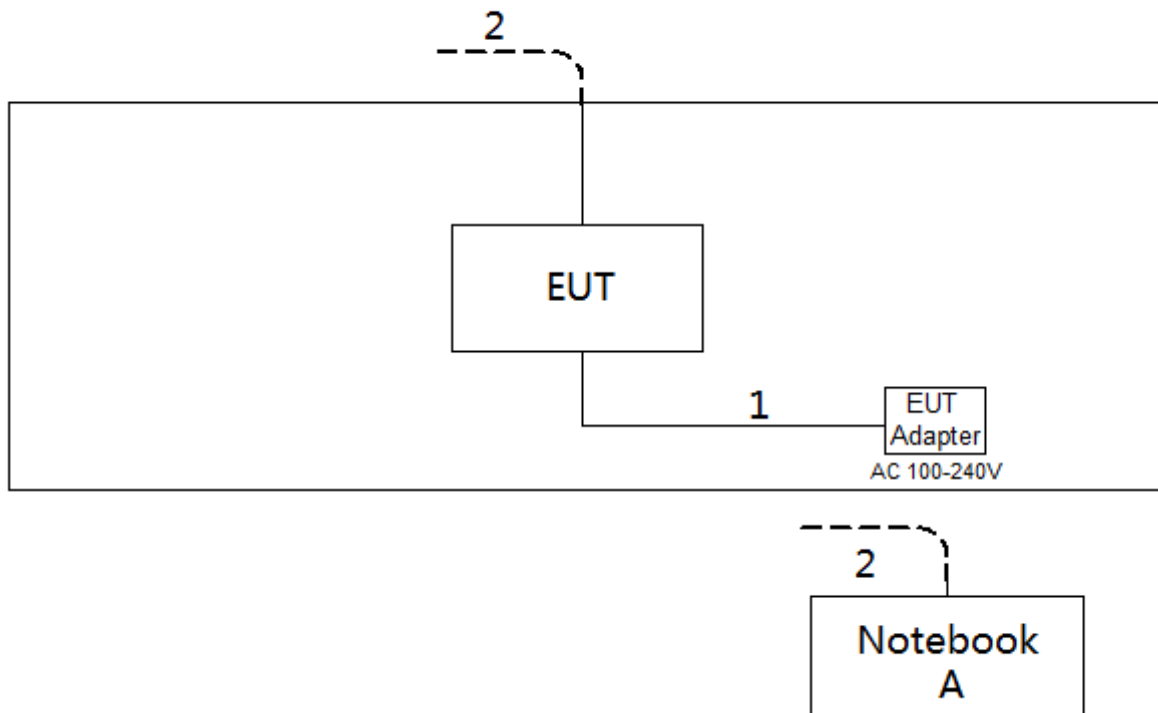
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 Hz (Duty cycle < 98%).

For IEEE 802.11ax(HE160):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 Hz (Duty cycle < 98%).

(Remark: The video bandwidth of the spectrum analyzer was set to 1kHz during the test.)

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

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

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

3. AC POWER LINE CONDUCTED EMISSIONS

3.1 LIMIT

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

NOTE:

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

3.2 TEST PROCEDURE

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

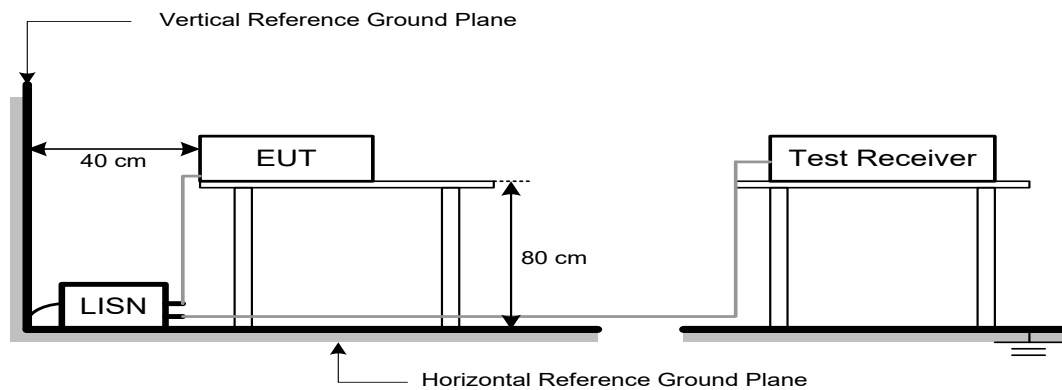
The following table is the setting of the receiver:

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

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

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

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

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS

4.1 LIMIT

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

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

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

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

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.2
5250-5350	-27	68.2
5470-5725	-27	68.2
5725-5850 NOTE (2)	-27	68.2
	10	105.2
	15.6	110.8
	27	122.2

NOTE:

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

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

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

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

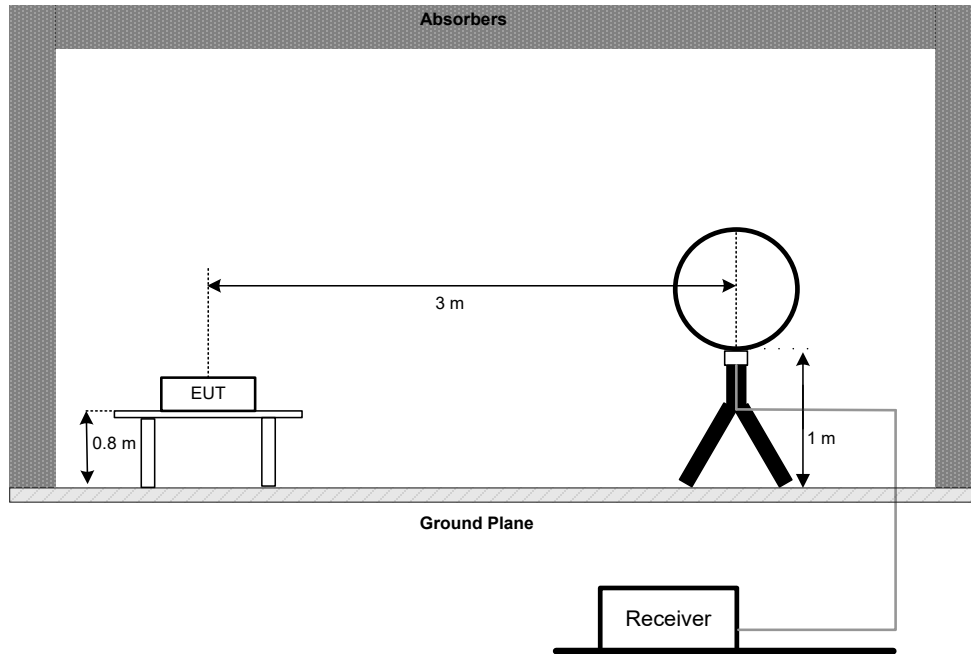
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

4.3 DEVIATION FROM TEST STANDARD

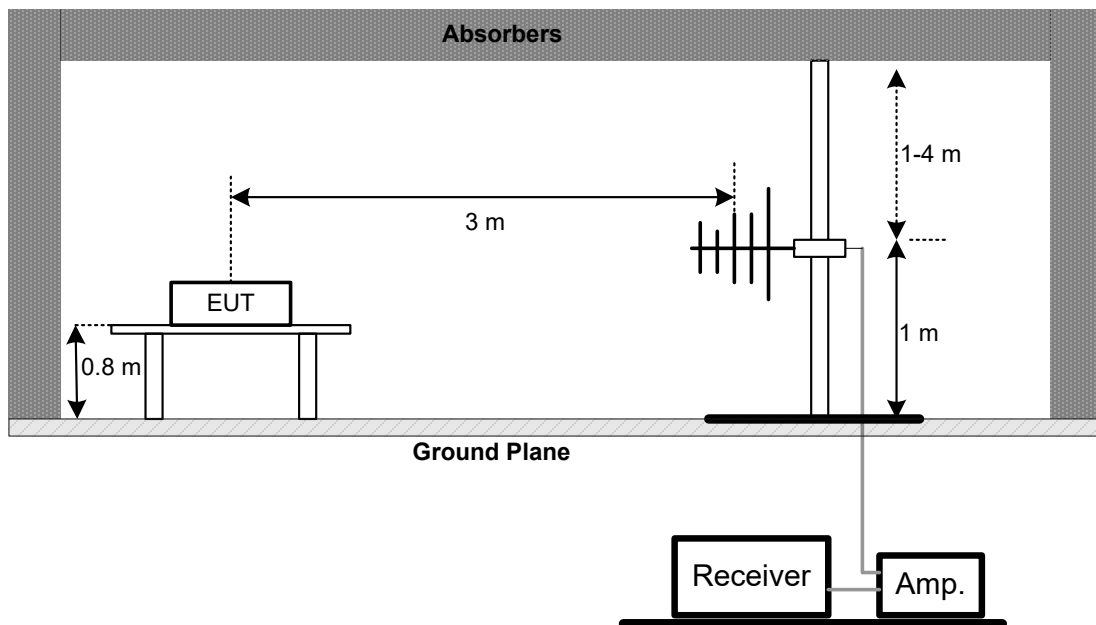
No deviation.

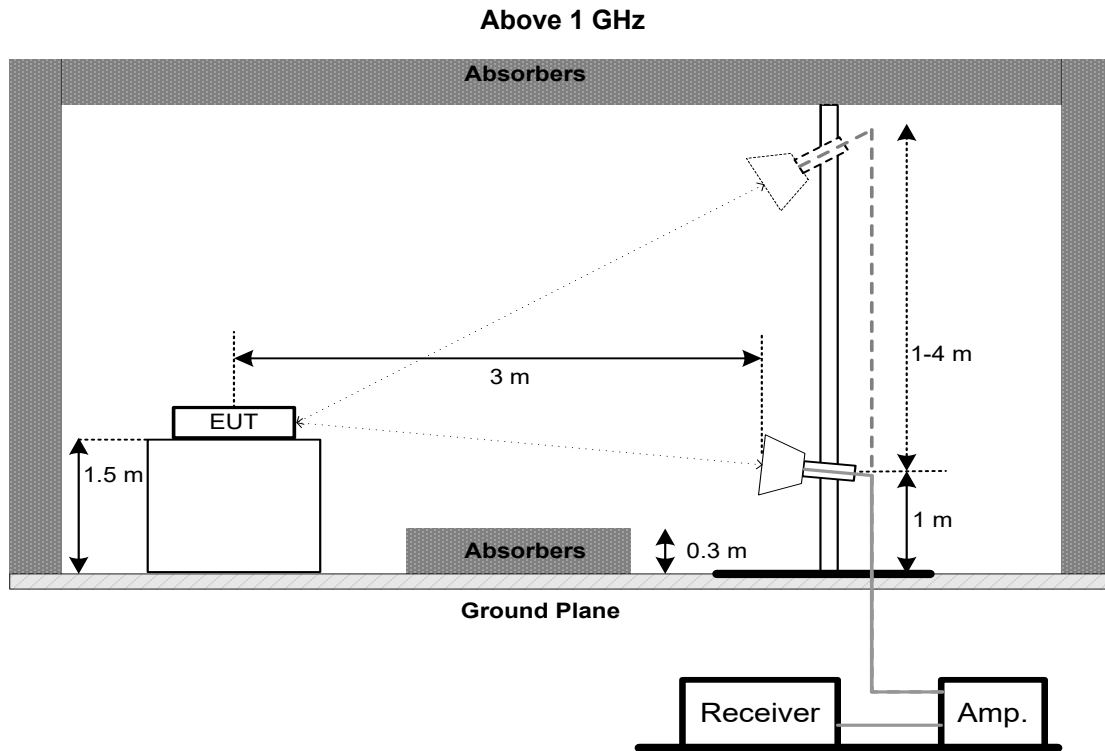
4.4 TEST SETUP

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) FCC 15.407(e)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
	26 dB Bandwidth	-	5470-5725
	6 dB Bandwidth	Minimum 500 kHz	5725-5850

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, UNII-2A, UNII-2C:

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

For UNII-3:

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

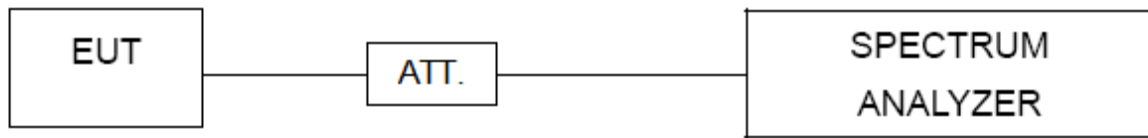
For 99% Occupied Bandwidth:

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

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

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

Note:

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

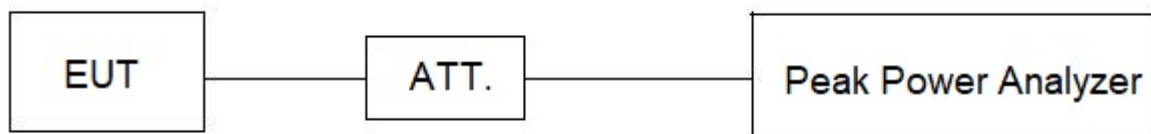
6.2 TEST PROCEDURE

- a. The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
- b. 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
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

7.2 TEST PROCEDURE

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

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

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

For UNII-3:

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

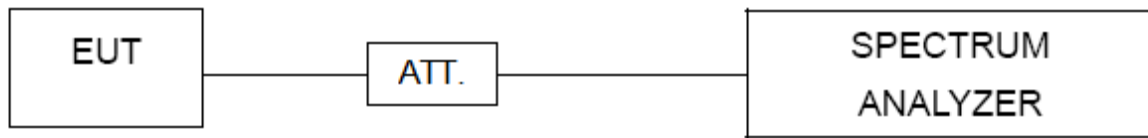
Note:

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

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
			5250-5350
			5470-5725
			5725-5850

8.2 TEST PROCEDURE

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

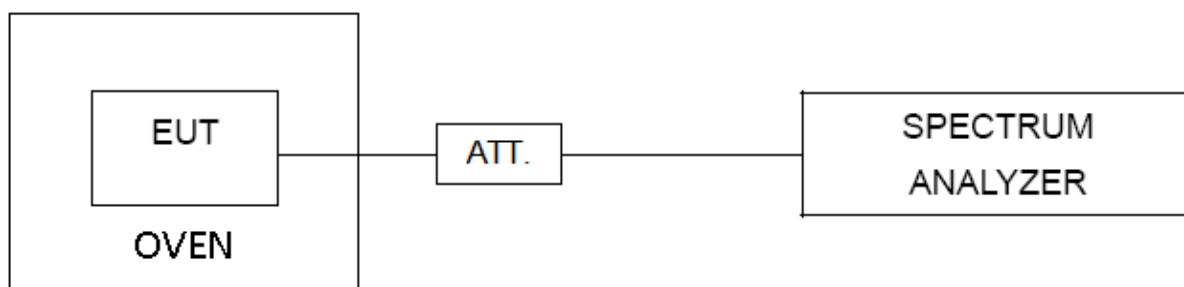
Spectrum Parameter	Setting
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- d. User manual temperature is 0°C~40°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	EMI Test Receiver	R&S	ESCI	100382	Jan. 22, 2023
2	LISN	EMCO	3816/2	52765	Jan. 23, 2023
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Jan. 23, 2023
4	50Ω Terminator	SHX	TF5-3	15041305	N/A
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 08, 2023
7	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	MXE EMI Receiver	Keysight	N9038A	MY56400091	Jan. 22, 2023
2*	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Aug. 23, 2024
3	Cable	N/A	RG 213/U(9kHz~1GHz)	N/A	May 27, 2022
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	966 Chamber Room	ETS	9*6*6	N/A	Jul. 17, 2022

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 03, 2023
2	Amplifier	HP	8447D	2944A08742	Jan. 22, 2023
3	Cable	emci	LMR-400	N/A	Nov. 30, 2022
4	Controller	CT	SC100	N/A	N/A
5	Controller	MF	MF-7802	MF780208416	N/A
6	Receiver	Agilent	N9038A	MY52130039	Jan. 22, 2023
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	966 Chamber Room	RM	9*6*6	N/A	Jul. 24, 2022

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Horn Antenna	ARA	DRG-118A	16554	Apr. 18, 2023
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 30, 2022
3	Amplifier	Agilent	8449B	3008A02584	Jul. 10, 2022
4	Controller	CT	SC100	N/A	N/A
5	Controller	MF	MF-7802	MF780208416	N/A
6	Receiver	Agilent	N9038A	MY52130039	Jan. 22, 2023
7	EXA Spectrum Analyzer	Keysight	N9010A	MY56480488	Jan. 22, 2023
8	Low Noise Amplifier	CONNPHY	CLN-18G40G-4330-K	619413	Jul. 16, 2022
9	Cable	Talent microwave	A81-SMAMSMAM-12.5M	N/A	Oct. 15, 2022
10	Cable	Talent microwave	A40-2.92M2.92M-2.5M	N/A	Nov. 30, 2022
11*	Band Reject Filter	Micro-Tronics	BRC50704-01	8	Feb. 27, 2024
12*	Band Reject Filter	Micro-Tronics	BRC50703-01	7	Feb. 27, 2024
13*	Band Reject Filter	Micro-Tronics	BRC50705-01	10	Feb. 27, 2024
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
15	966 Chamber Room	RM	9*6*6	N/A	Jul. 24, 2022

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 10, 2022
2	Attenuator	WOKEN	6SM3502	VAS1214NL	N/A
3	RF Cable	Tongkaichuan	N/A	N/A	N/A
4	DC Block	Mini	N/A	N/A	N/A

Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Agilent	N9010A	MY50520044	Jan. 22, 2023
2	Attenuator	WOKEN	6SM3502	VAS1214NL	N/A
3	RF Cable	Tongkaichuan	N/A	N/A	N/A
4	DC Block	Mini	N/A	N/A	N/A

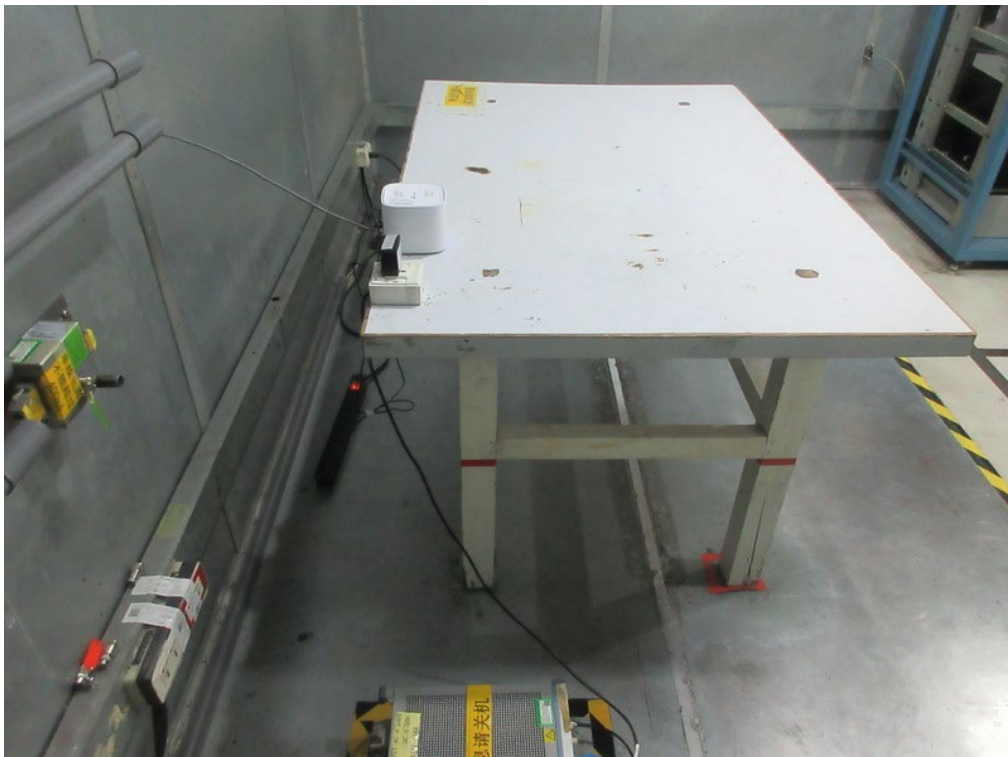
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jul. 10, 2022
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 10, 2022
3	Attenuator	WOKEN	6SM3502	VAS1214NL	N/A
4	RF Cable	Tongkaichuan	N/A	N/A	N/A

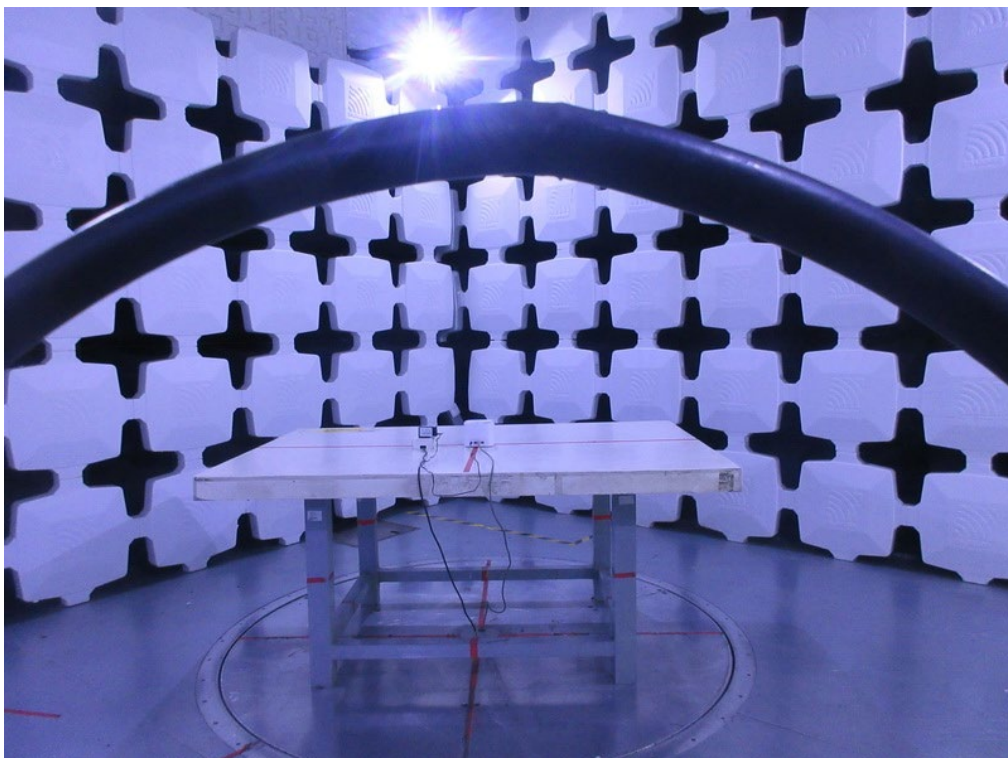
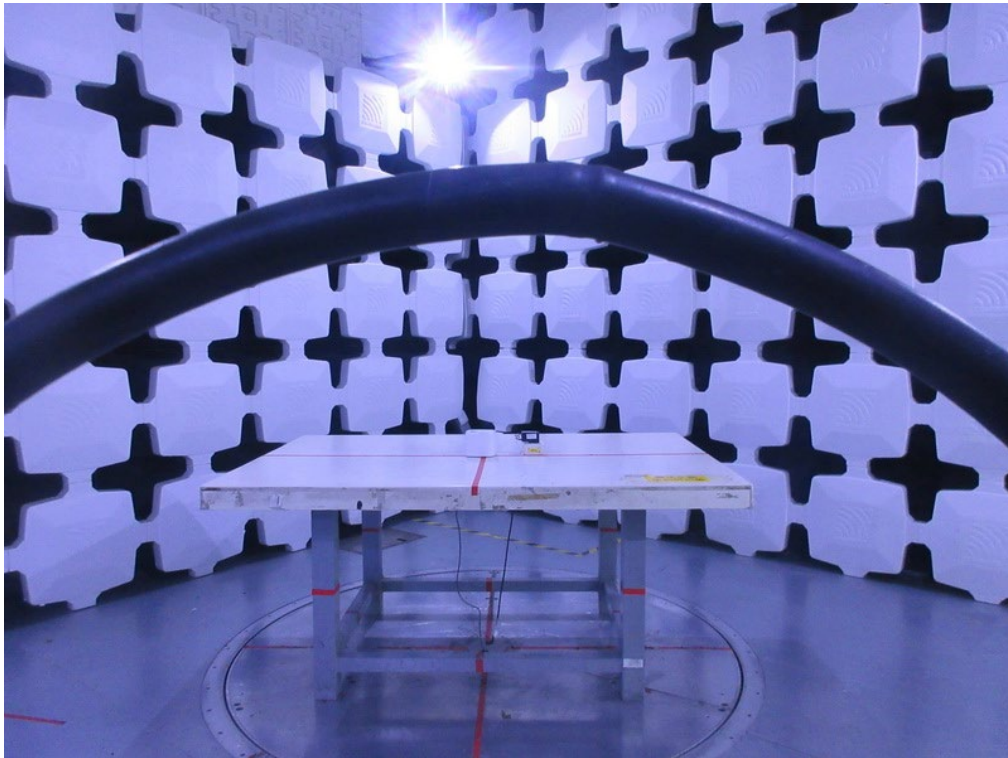
Frequency Stability					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 10, 2022
2	Precision Oven Tester	CEPREI	CEEC-M64T-40	15-008	Jan. 22, 2023
3	Attenuator	WOKEN	6SM3502	VAS1214NL	N/A
4	RF Cable	Tongkaichuan	N/A	N/A	N/A
5	DC Block	Mini	N/A	N/A	N/A

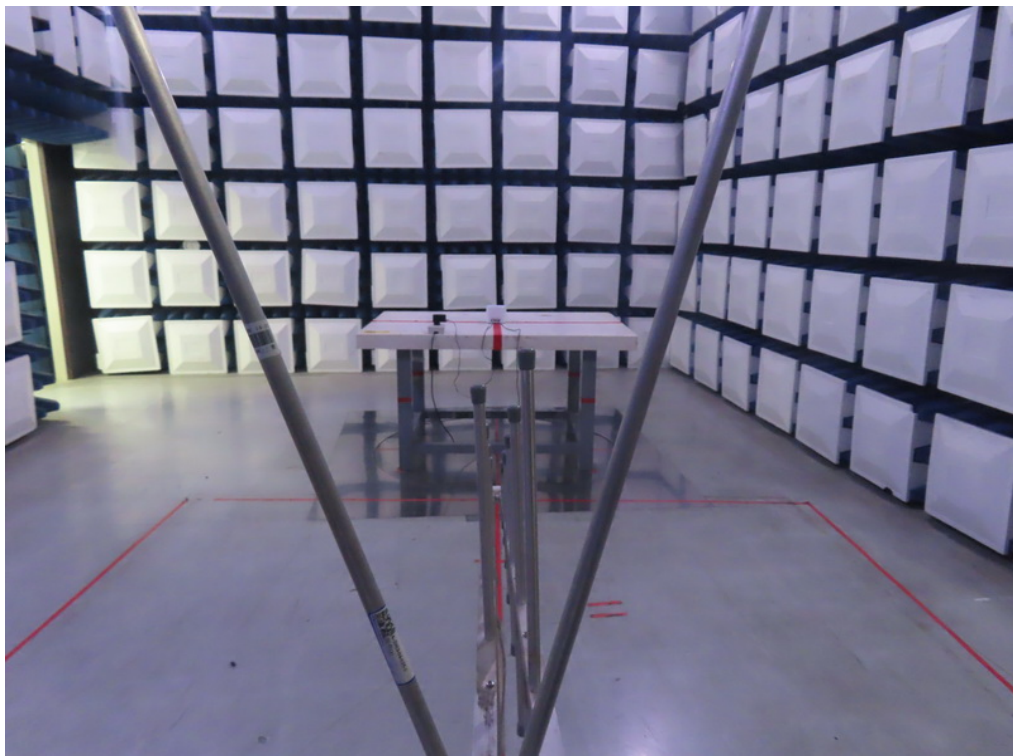
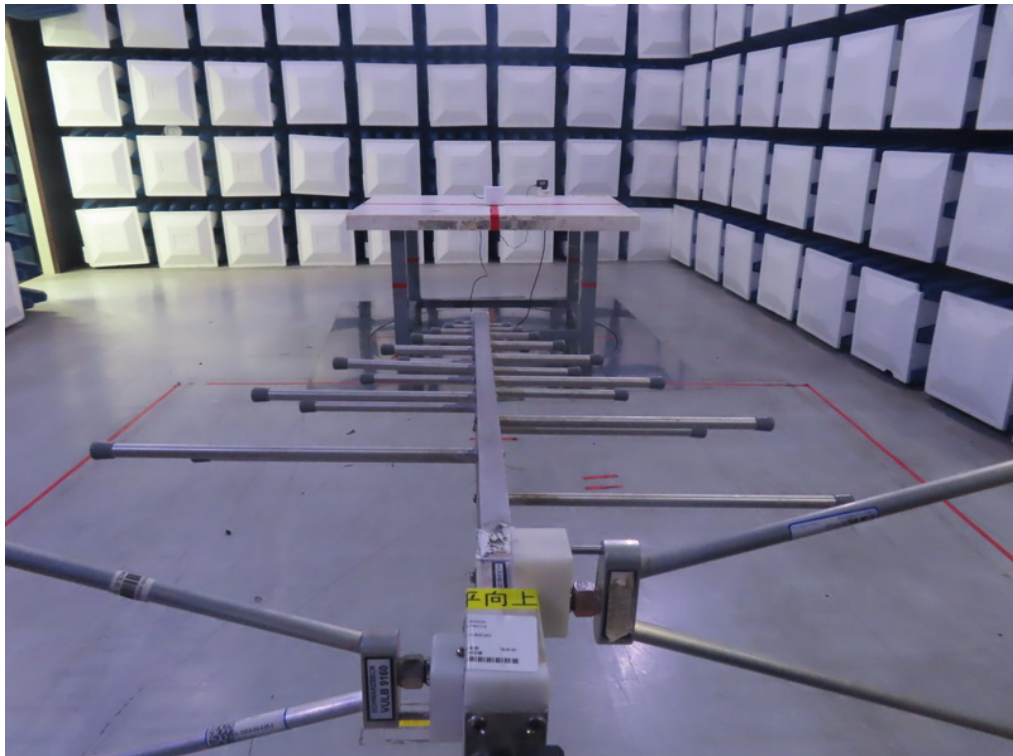
Remark: "N/A" denotes no model name, serial no. or calibration specified.

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

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

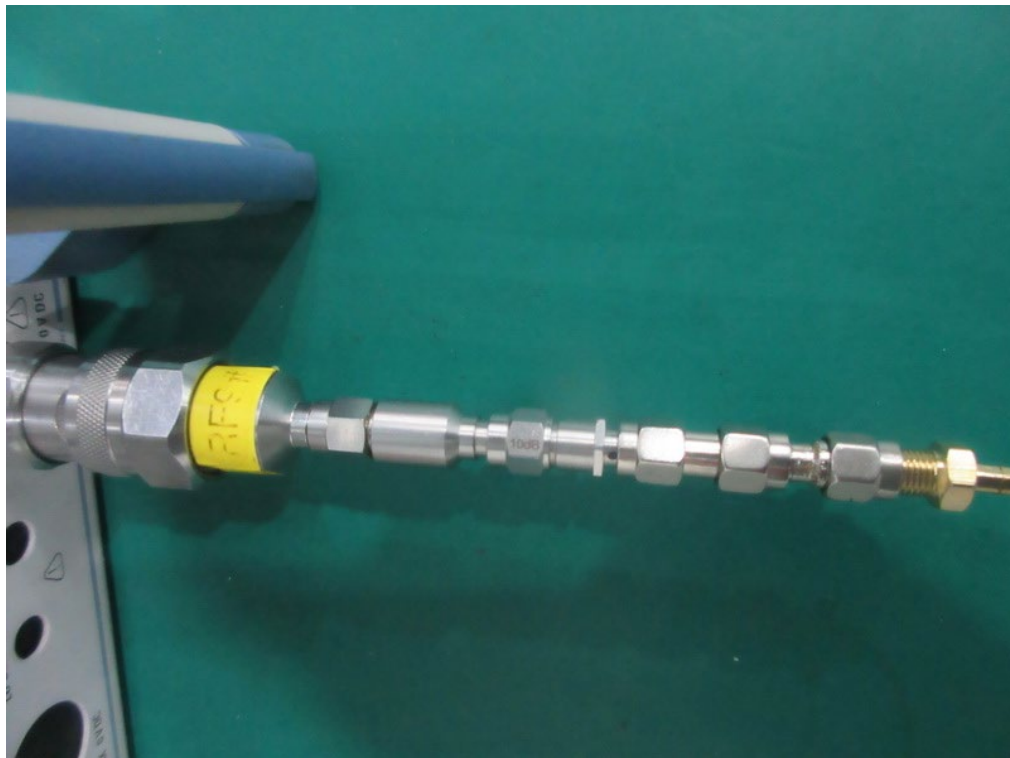
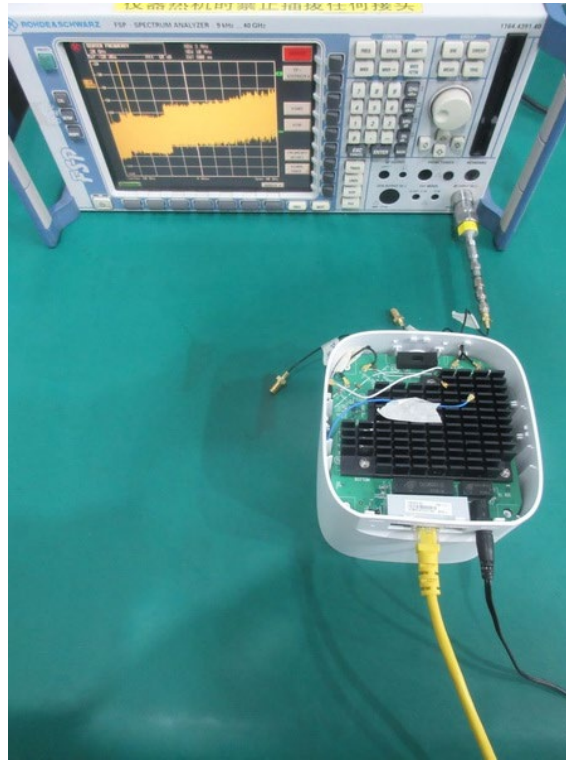
10. EUT TEST PHOTOS**AC Power Line Conducted Emissions Test Photos**

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

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

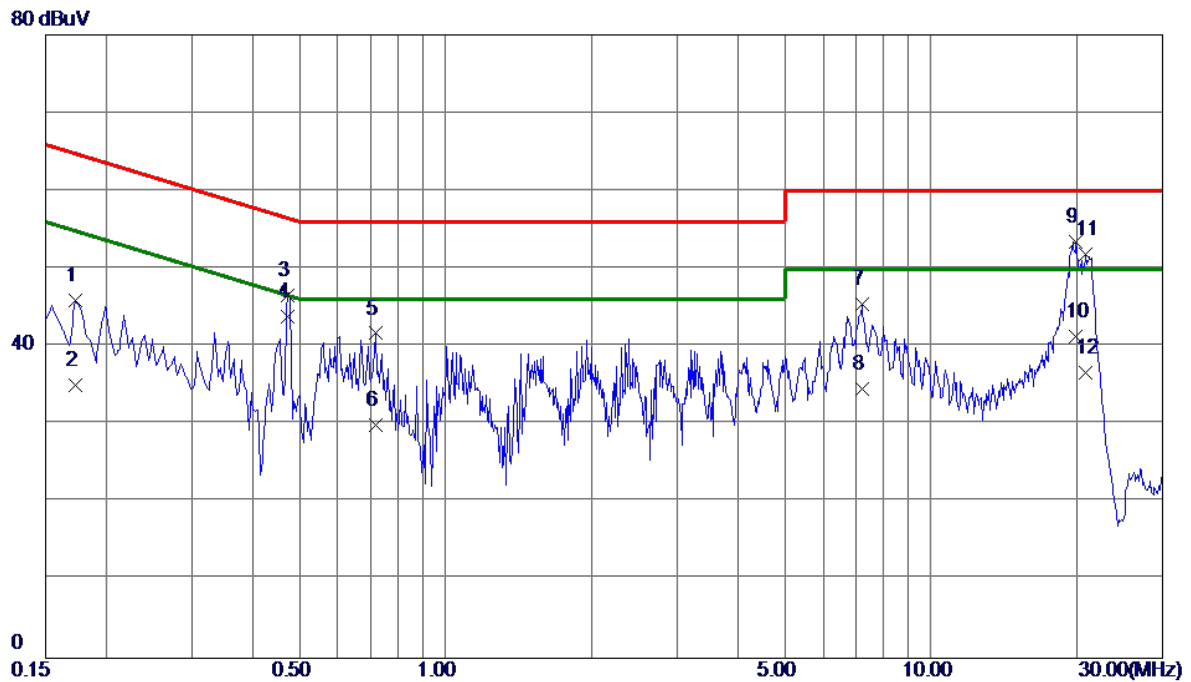
Radiated Emissions Test Photos**Above 1 GHz**

Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Phase	Line
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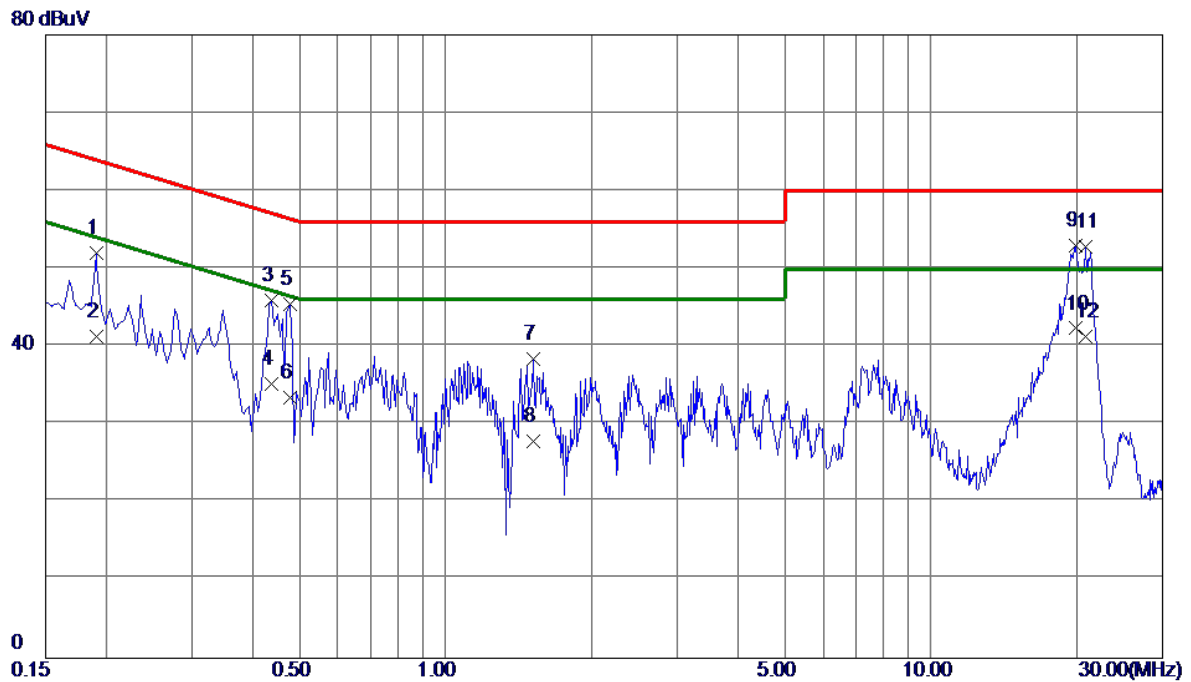


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1725	36.21	9.67	45.88	64.84	-18.96	QP	
2	0.1725	25.40	9.67	35.07	54.84	-19.77	AVG	
3	0.4740	36.87	9.76	46.63	56.44	-9.81	QP	
4 *	0.4740	34.10	9.76	43.86	46.44	-2.58	AVG	
5	0.7170	31.88	9.80	41.68	56.00	-14.32	QP	
6	0.7170	20.10	9.80	29.90	46.00	-16.10	AVG	
7	7.2015	35.11	10.30	45.41	60.00	-14.59	QP	
8	7.2015	24.31	10.30	34.61	50.00	-15.39	AVG	
9	19.9229	42.72	10.76	53.48	60.00	-6.52	QP	
10	19.9229	30.50	10.76	41.26	50.00	-8.74	AVG	
11	20.8455	41.06	10.79	51.85	60.00	-8.15	QP	
12	20.8455	25.80	10.79	36.59	50.00	-13.41	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 AC(VHT20) Mode Channel 157 (UNII-3)	Phase	Neutral
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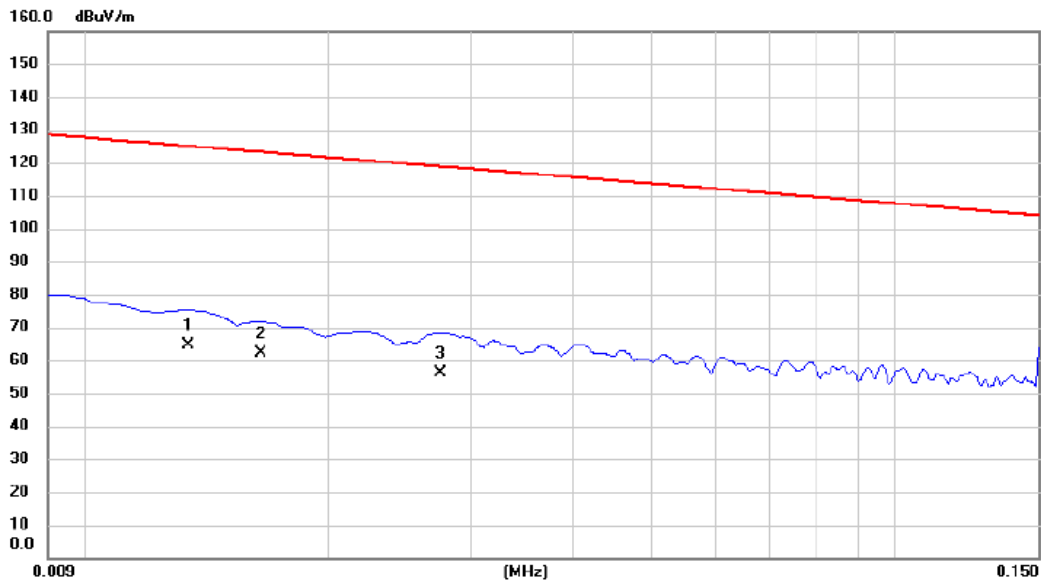
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1905	42.22	9.72	51.94	64.01	-12.07	QP	
2	0.1905	31.51	9.72	41.23	54.01	-12.78	AVG	
3	0.4380	36.13	9.79	45.92	57.10	-11.18	QP	
4	0.4380	25.40	9.79	35.19	47.10	-11.91	AVG	
5	0.4785	35.59	9.79	45.38	56.37	-10.99	QP	
6	0.4785	23.60	9.79	33.39	46.37	-12.98	AVG	
7	1.5180	28.44	9.89	38.33	56.00	-17.67	QP	
8	1.5180	17.90	9.89	27.79	46.00	-18.21	AVG	
9 *	19.9140	42.08	10.82	52.90	60.00	-7.10	QP	
10	19.9140	31.50	10.82	42.32	50.00	-7.68	AVG	
11	20.7690	41.97	10.85	52.82	60.00	-7.18	QP	
12	20.7690	30.50	10.85	41.35	50.00	-8.65	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

Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Ant 0°
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No.	Mk.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.0134	48.22	16.37	64.59	125.06	-60.47	AVG	
2		0.0165	46.96	15.39	62.35	123.26	-60.91	AVG	
3		0.0275	42.11	14.12	56.23	118.82	-62.59	AVG	

REMARKS:

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

Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Ant 0°
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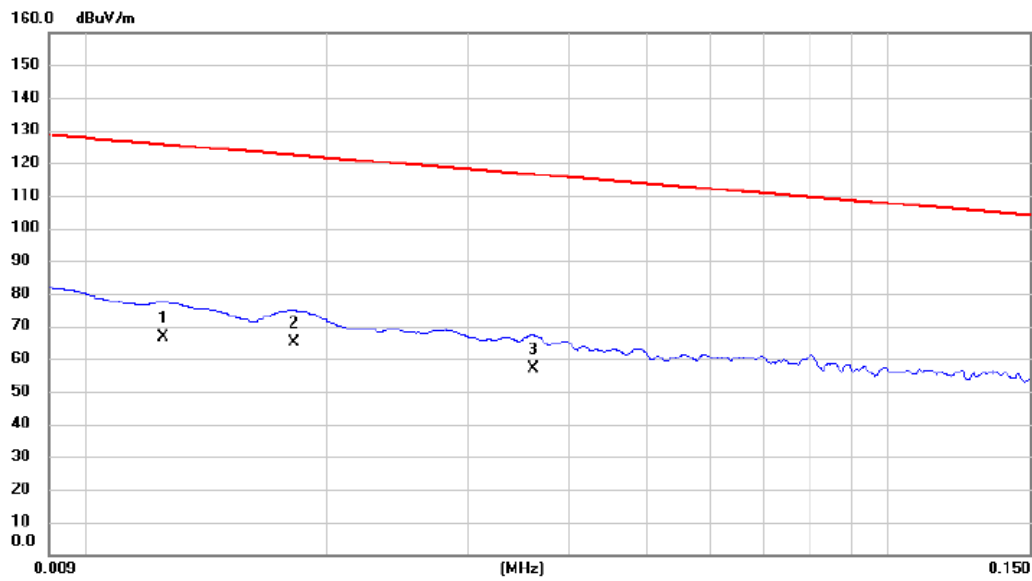


No.	Mk.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2993	38.22	13.56	51.78	98.08	-46.30	AVG	
2	*	2.1798	32.15	12.02	44.17	69.54	-25.37	QP	
3		4.3738	22.12	11.74	33.86	69.54	-35.68	QP	

REMARKS:

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

Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Ant 90°
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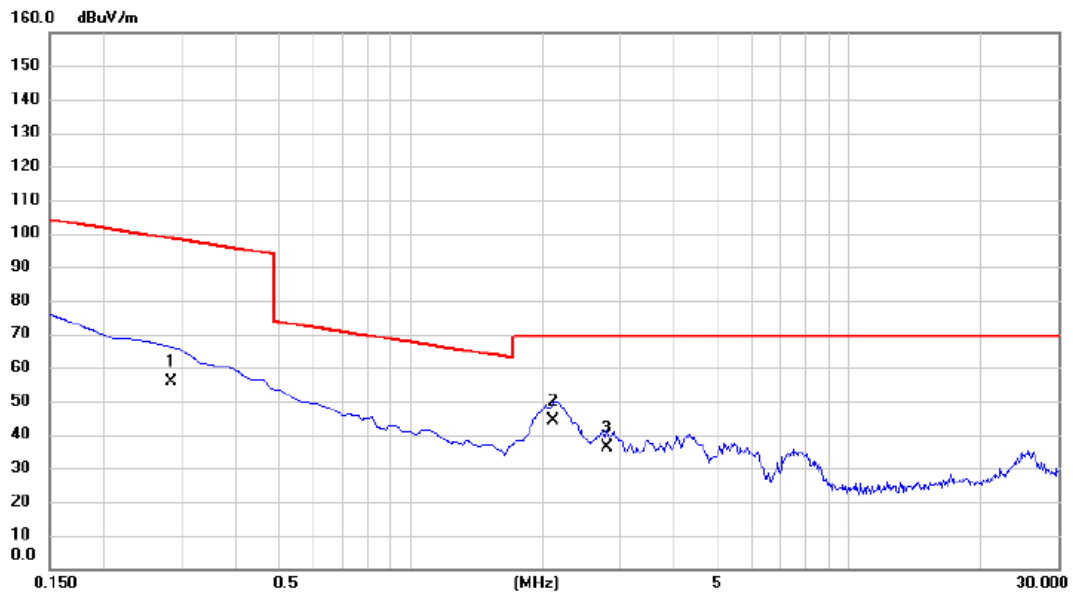


No.	Mk.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0125	50.11	16.65	66.76	125.67	-58.91	AVG	
2	*	0.0182	50.23	14.86	65.09	122.40	-57.31	AVG	
3		0.0361	43.15	13.92	57.07	116.45	-59.38	AVG	

REMARKS:

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

Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Ant 90°
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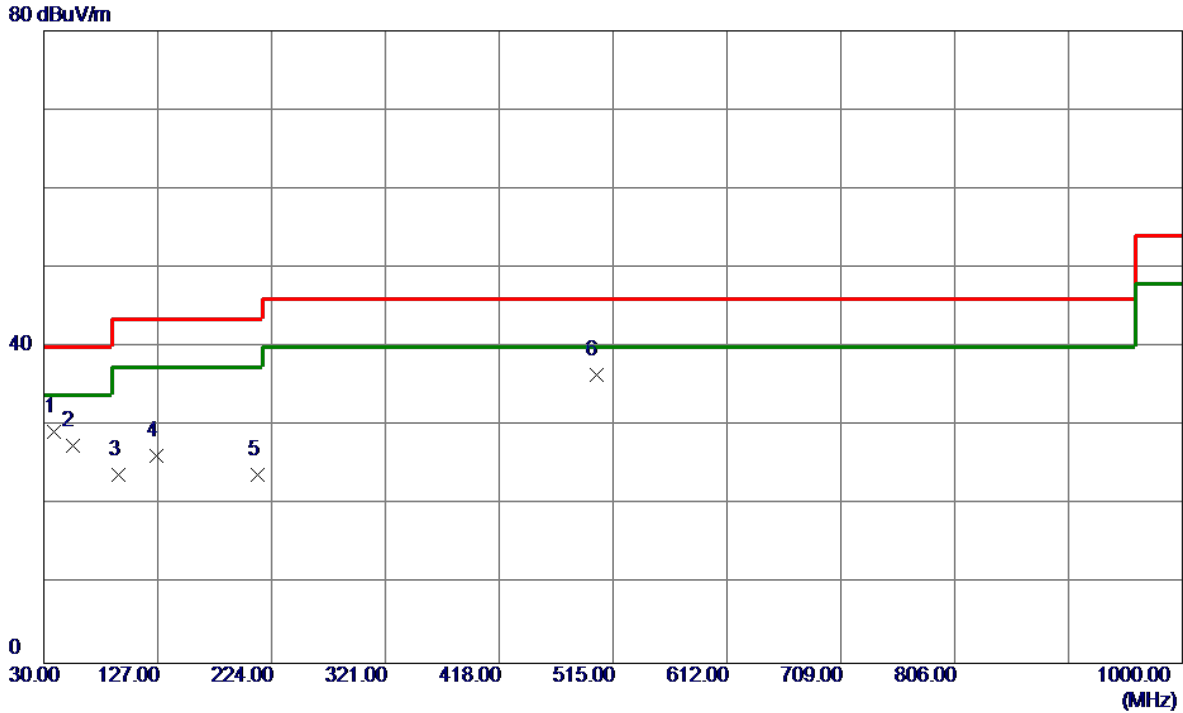
No.	Mk.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2847	42.11	13.57	55.68	98.52	-42.84	AVG	
2	*	2.1201	32.12	12.04	44.16	69.54	-25.38	QP	
3		2.8066	24.25	11.79	36.04	69.54	-33.50	QP	

REMARKS:

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Vertical
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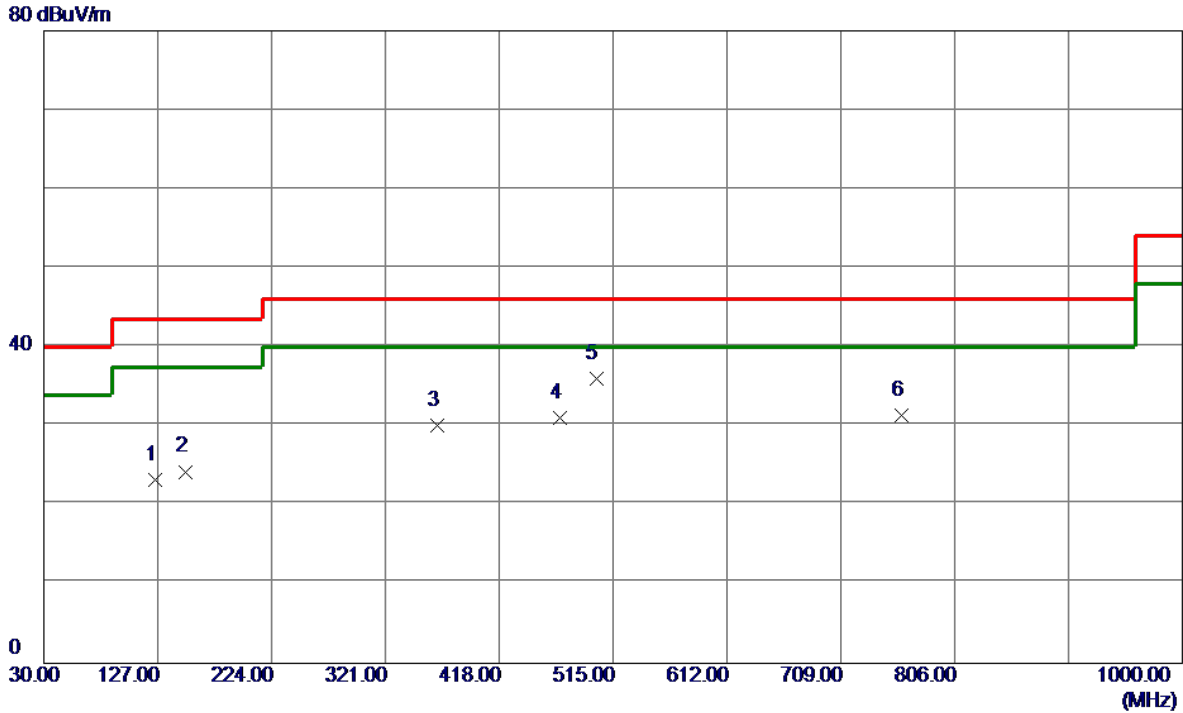


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	38.7300	43.76	-14.51	29.25	40.00	-10.75	Peak	
2	54.2500	41.68	-14.10	27.58	40.00	-12.42	Peak	
3	94.0199	41.48	-17.70	23.78	43.50	-19.72	Peak	
4	126.0300	39.99	-13.70	26.29	43.50	-17.21	Peak	
5	212.3600	38.94	-15.13	23.81	43.50	-19.69	Peak	
6 *	500.4500	43.00	-6.54	36.46	46.00	-9.54	Peak	

REMARKS:

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

Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Horizontal
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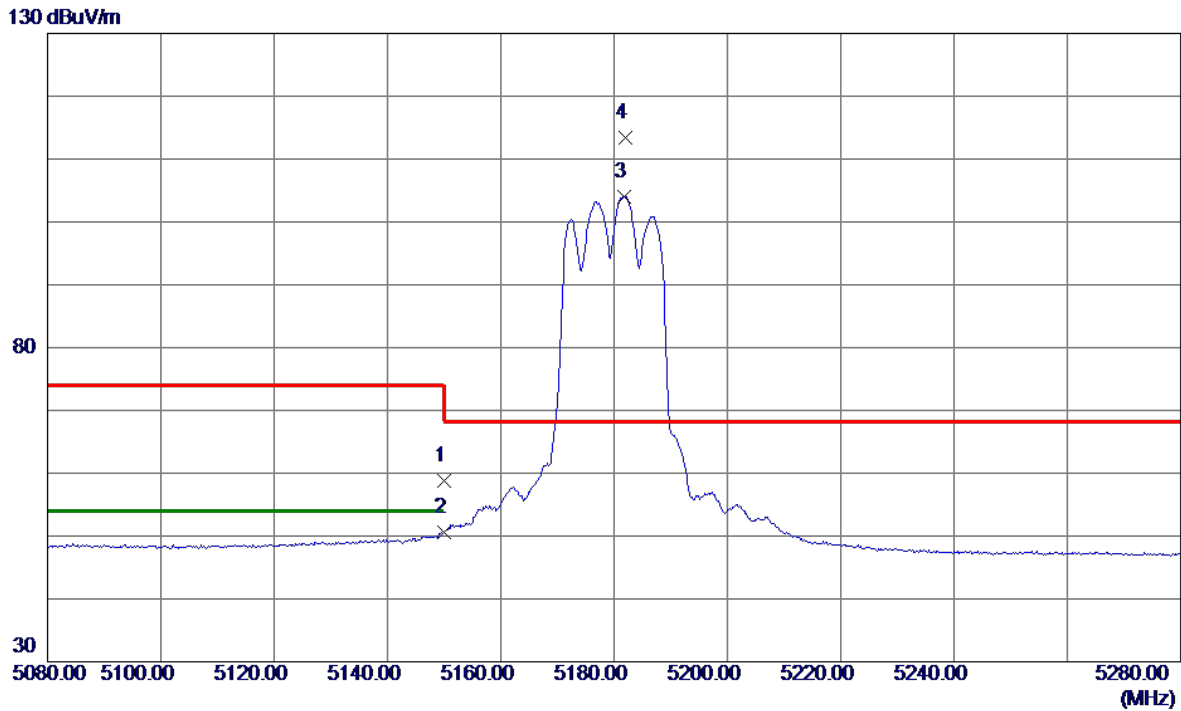
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	125.0600	37.04	-13.77	23.27	43.50	-20.23	Peak	
2	150.2800	36.86	-12.62	24.24	43.50	-19.26	Peak	
3	365.6200	39.74	-9.59	30.15	46.00	-15.85	Peak	
4	469.4100	38.11	-7.07	31.04	46.00	-14.96	Peak	
5 *	500.4500	42.54	-6.54	36.00	46.00	-10.00	Peak	
6	760.4099	33.05	-1.68	31.37	46.00	-14.63	Peak	

REMARKS:

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

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

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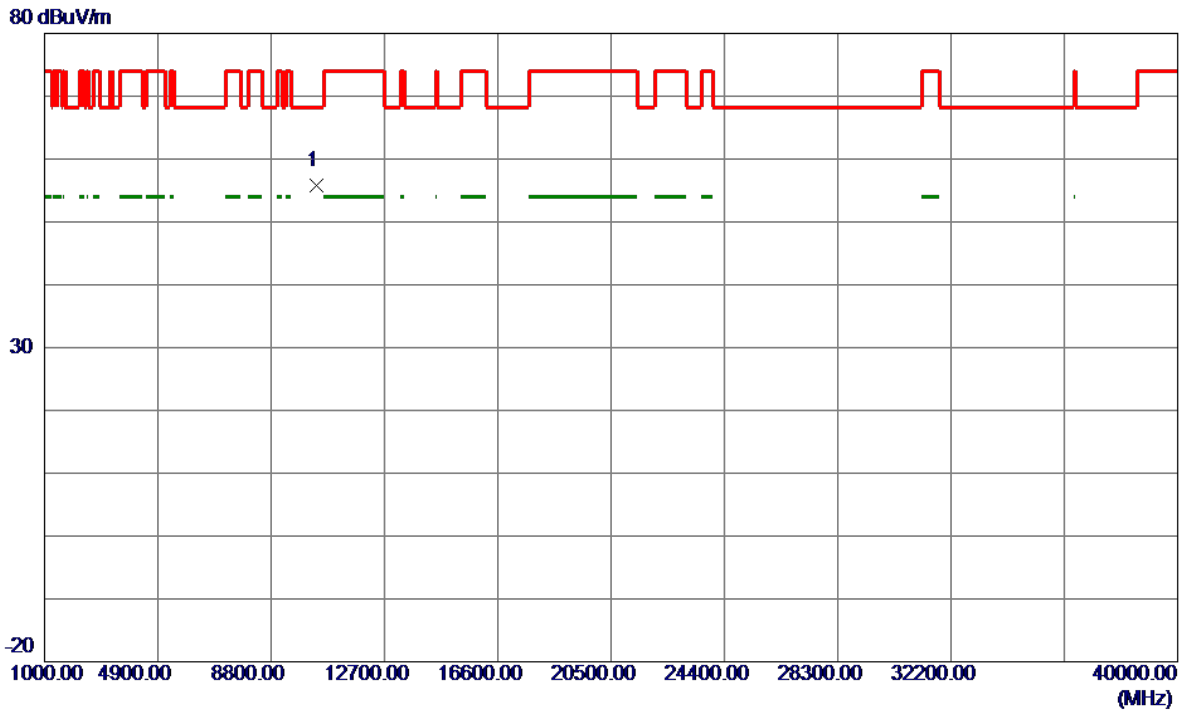


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	39.78	18.98	58.76	74.00	-15.24	Peak	
2	5150.0000	31.69	18.98	50.67	54.00	-3.33	AVG	
3	5181.7000	85.07	19.03	104.10	999.00	-894.90	AVG	No Limit
4 *	5182.0000	94.32	19.03	113.35	68.20	45.15	Peak	No Limit

REMARKS:

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

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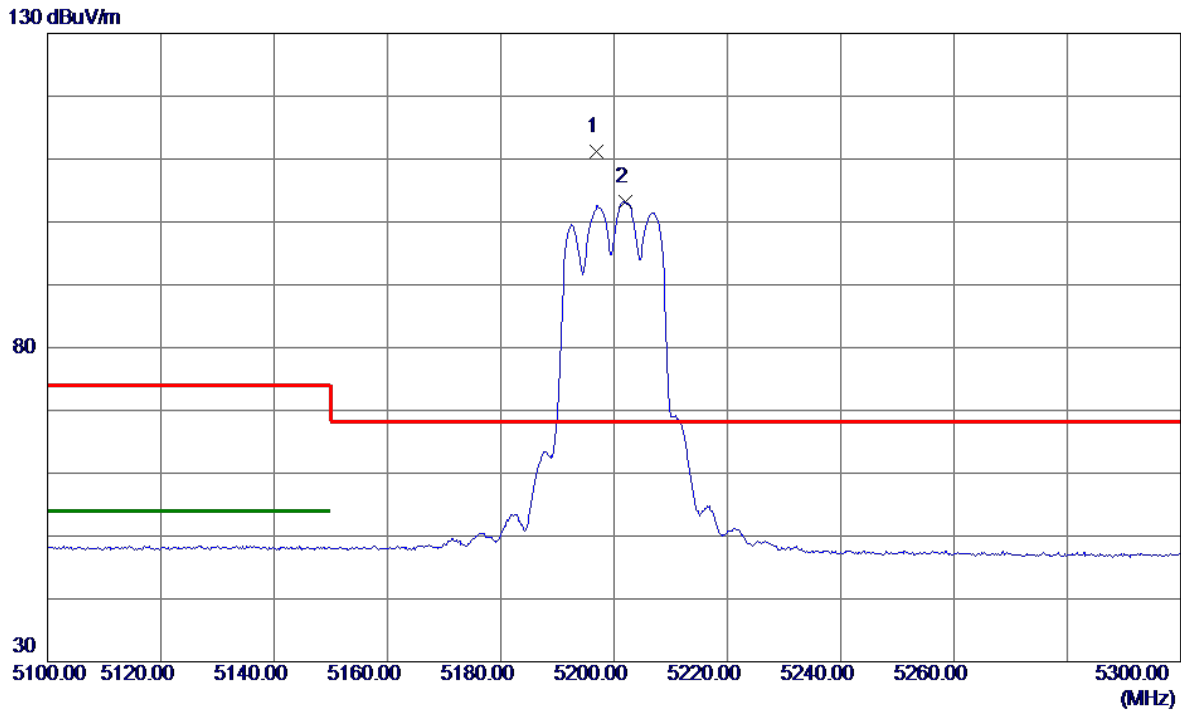


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10359.7450	39.08	16.65	55.73	68.20	-12.47	Peak	

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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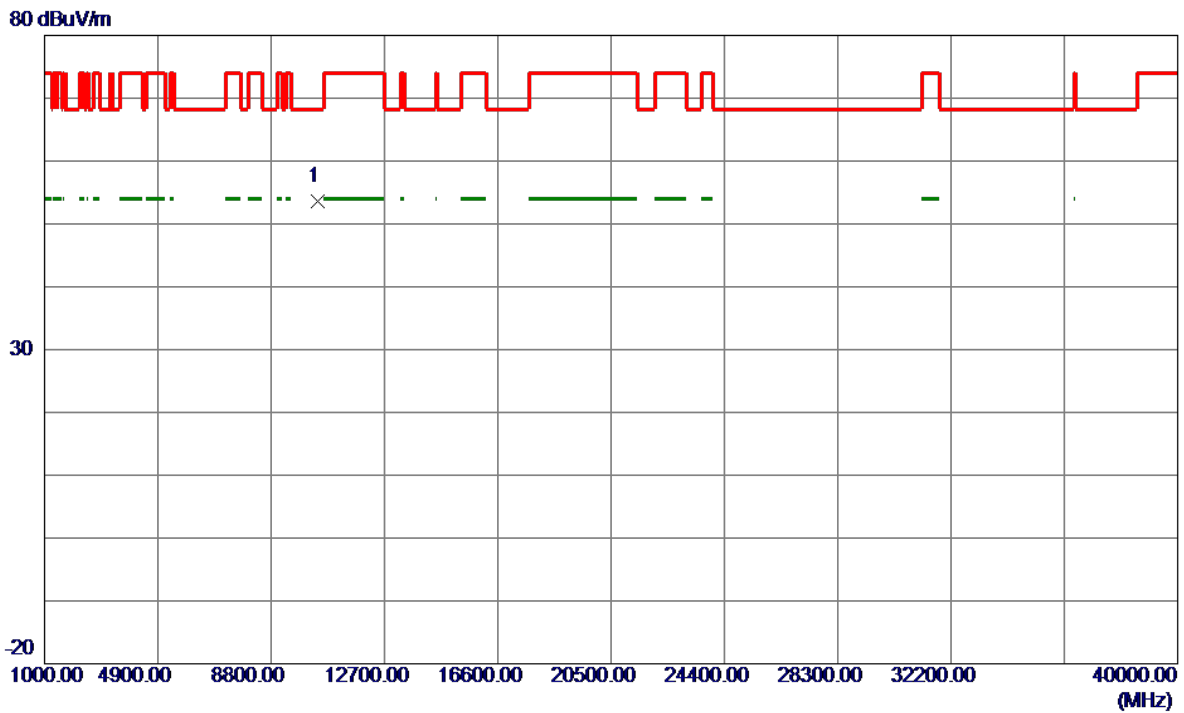


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5196.9000	92.22	19.05	111.27	68.20	43.07	Peak	No Limit
2	5201.9000	84.18	19.06	103.24	999.00	-895.76	AVG	No Limit

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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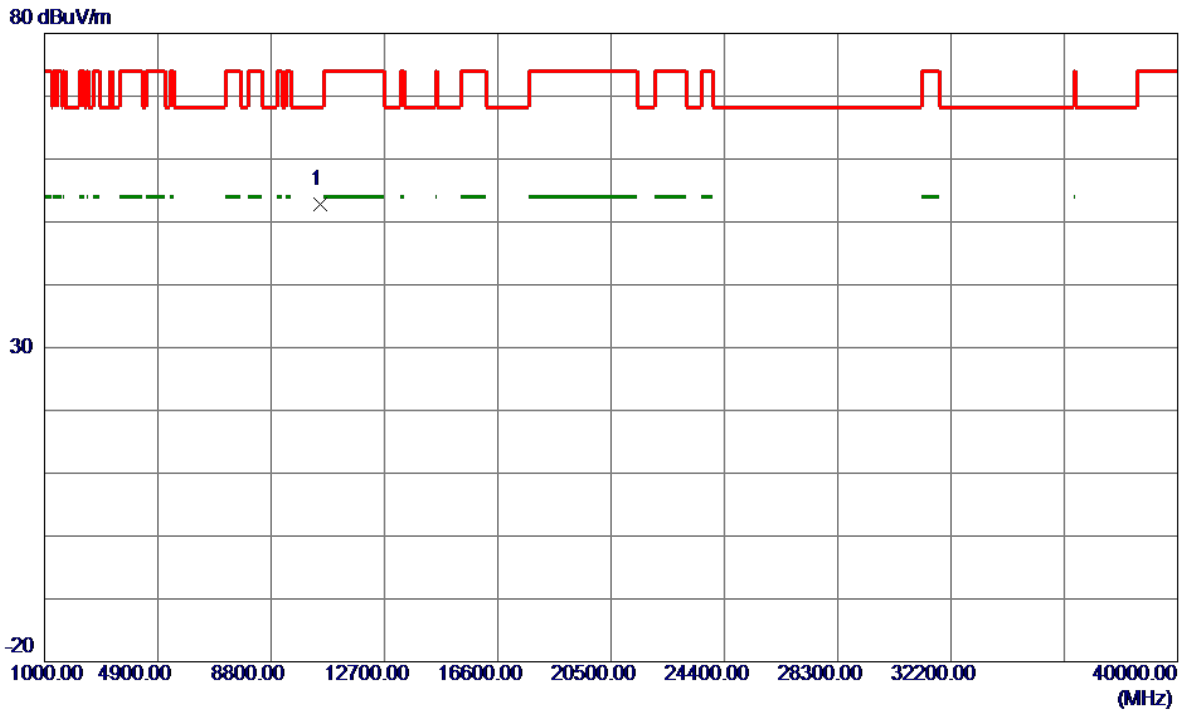


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.1300	36.85	16.71	53.56	68.20	-14.64	Peak	

REMARKS:

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

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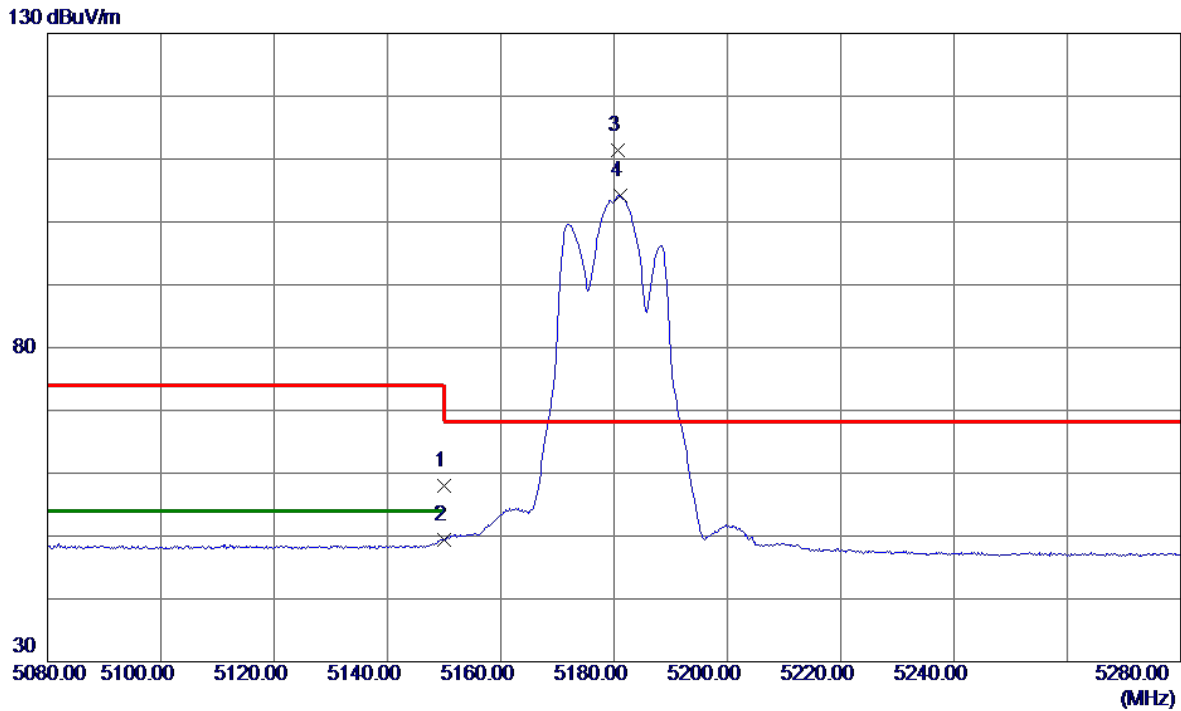


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10479.9600	36.01	16.84	52.85	68.20	-15.35	Peak	

REMARKS:

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

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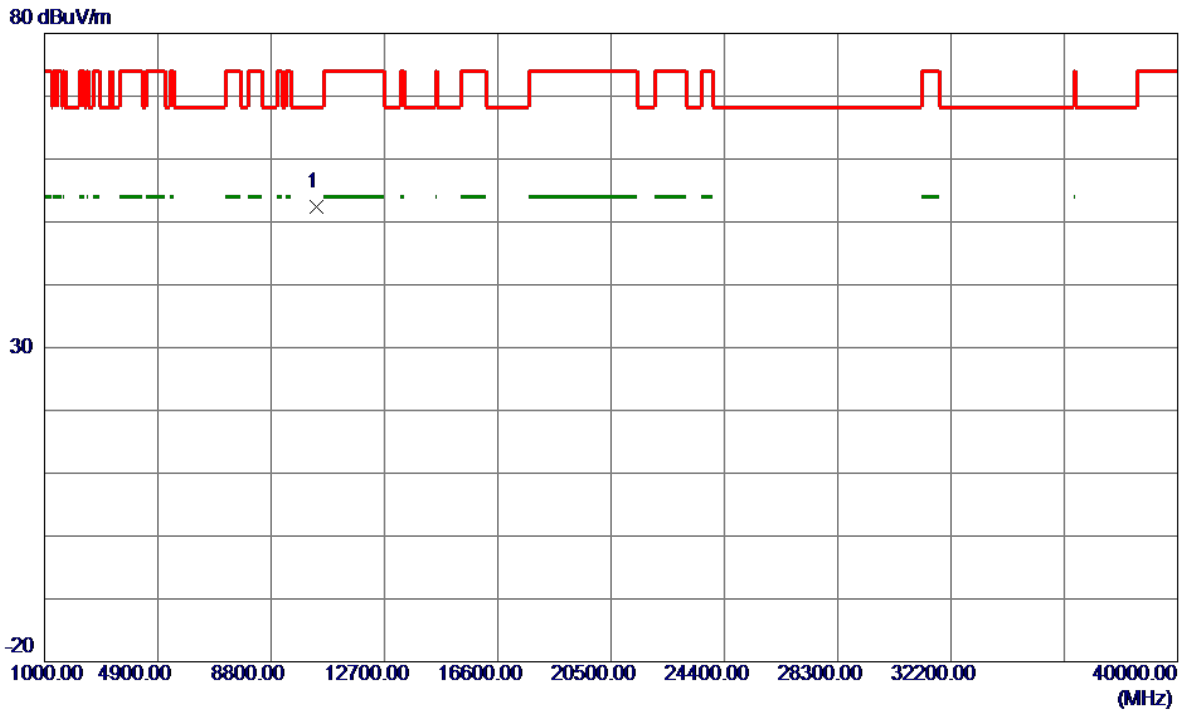


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	38.96	18.98	57.94	74.00	-16.06	Peak	
2	5150.0000	30.43	18.98	49.41	54.00	-4.59	AVG	
3 *	5180.7000	92.34	19.03	111.37	68.20	43.17	Peak	No Limit
4	5181.1000	85.26	19.03	104.29	999.00	-894.71	AVG	No Limit

REMARKS:

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

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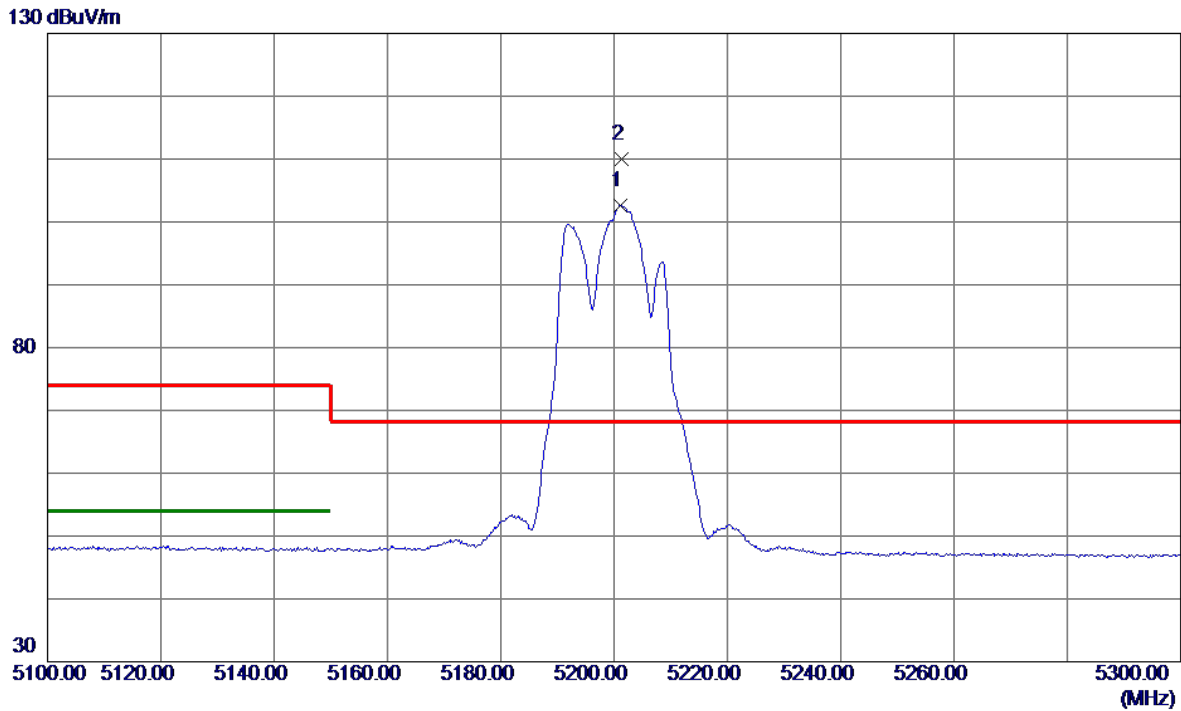


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10359.7750	35.66	16.65	52.31	68.20	-15.89	Peak	

REMARKS:

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

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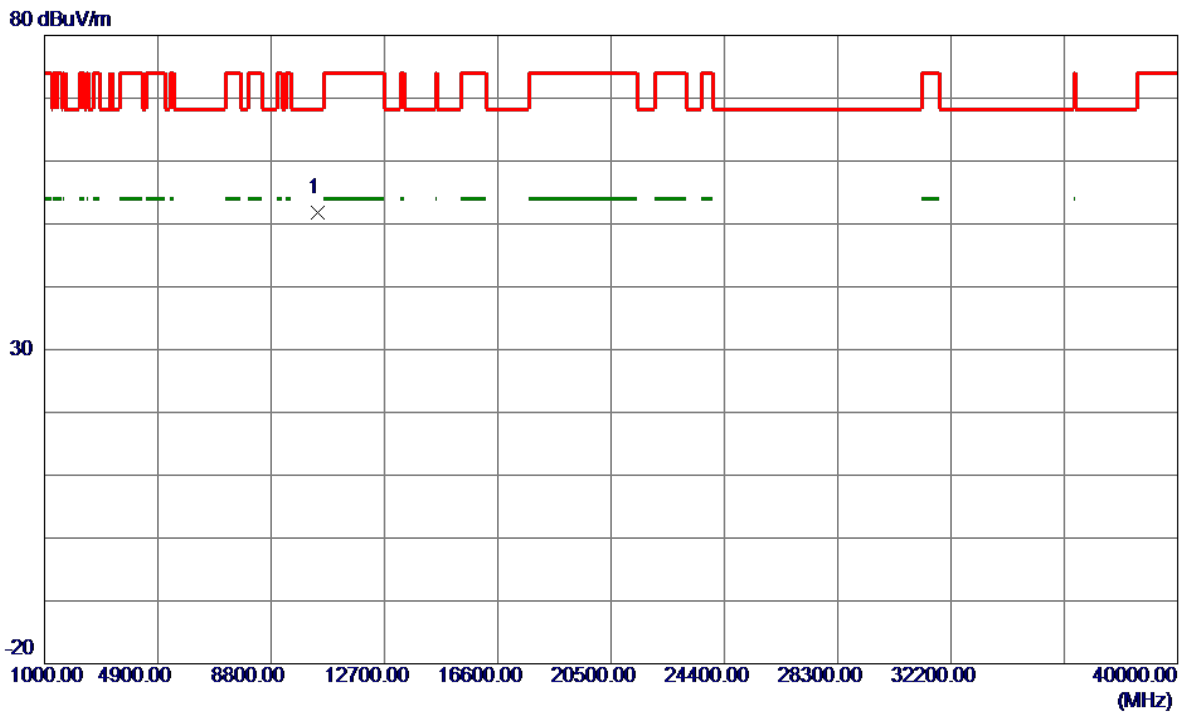


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5201.2000	83.57	19.06	102.63	999.00	-896.37	AVG	No Limit
2 *	5201.4000	91.00	19.06	110.06	68.20	41.86	Peak	No Limit

REMARKS:

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

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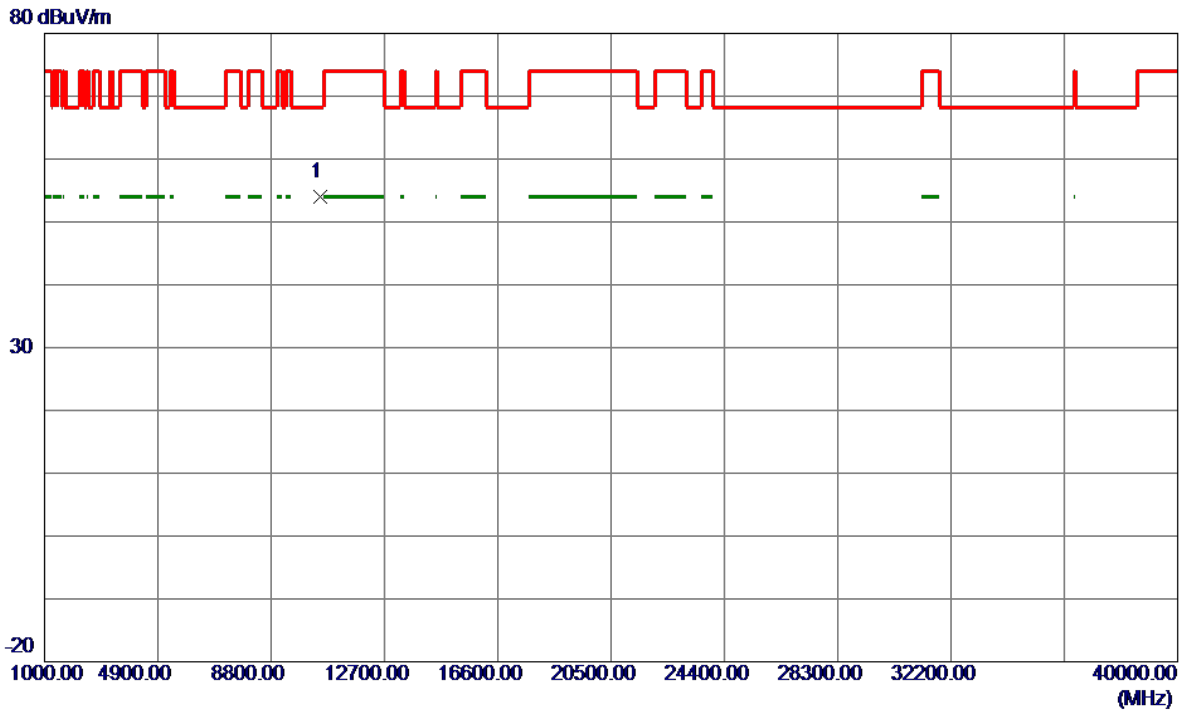


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.2000	35.00	16.71	51.71	68.20	-16.49	Peak	

REMARKS:

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

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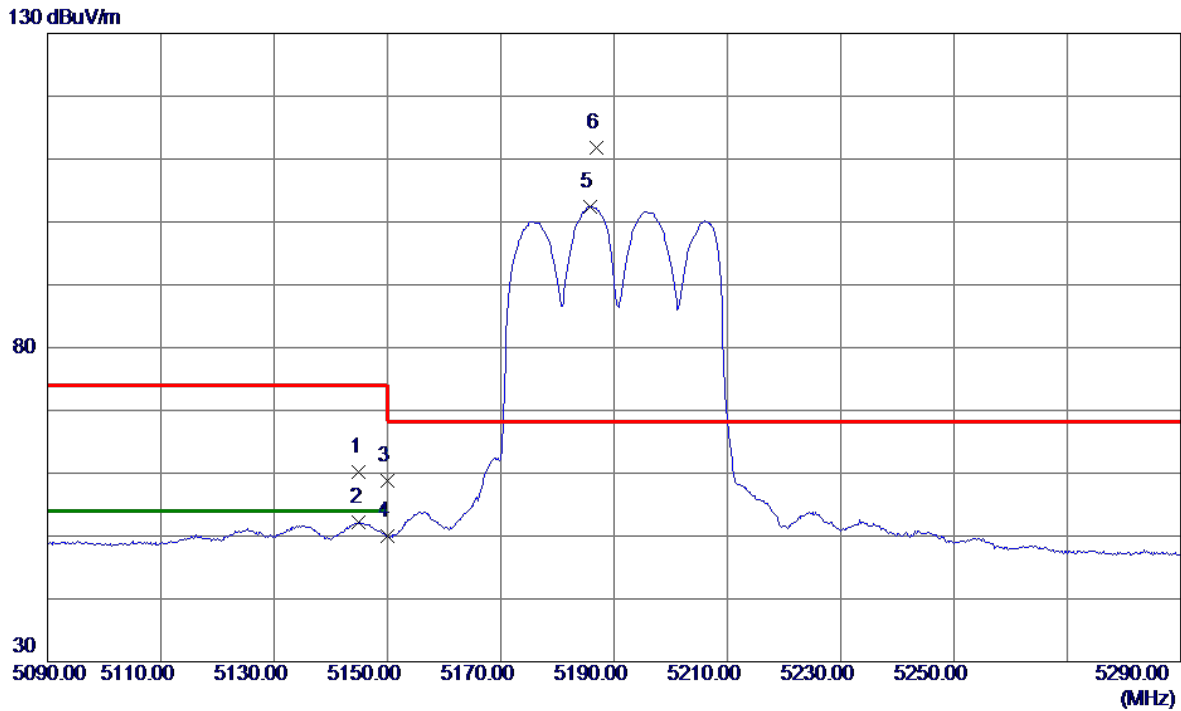


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10480.0500	37.07	16.84	53.91	68.20	-14.29	Peak	

REMARKS:

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

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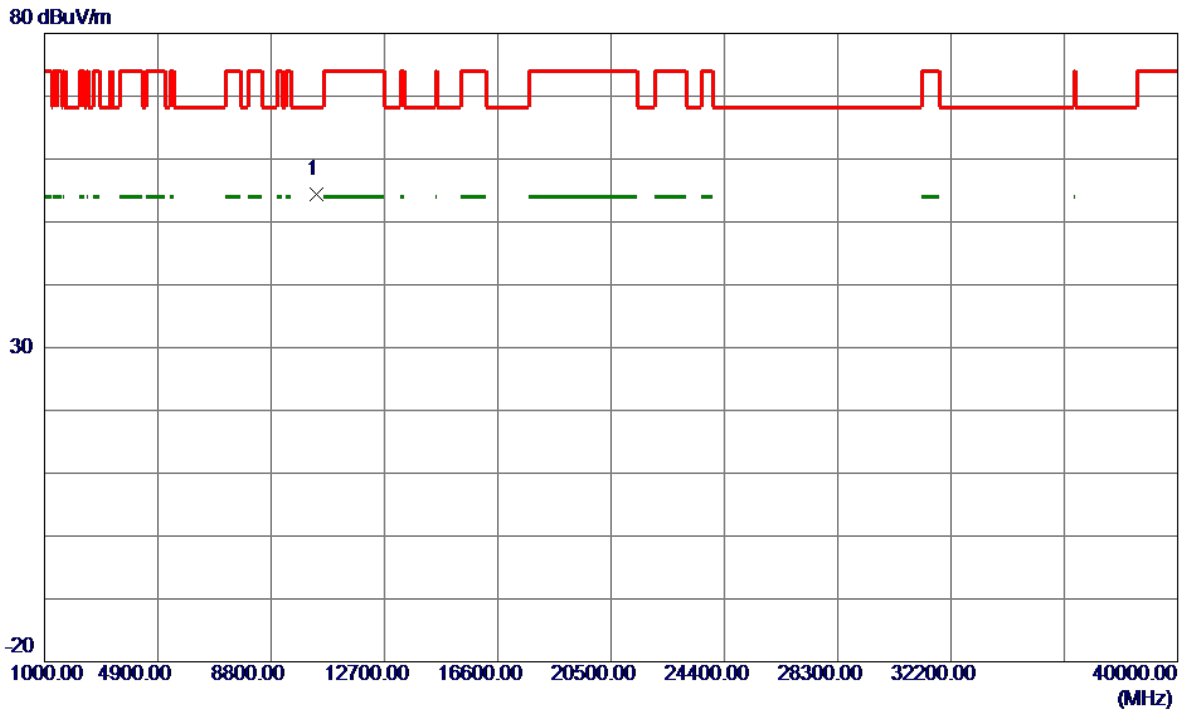


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5145.0000	41.14	18.98	60.12	74.00	-13.88	Peak	
2	5145.0000	33.15	18.98	52.13	54.00	-1.87	AVG	
3	5150.0000	39.90	18.98	58.88	74.00	-15.12	Peak	
4	5150.0000	31.01	18.98	49.99	54.00	-4.01	AVG	
5	5185.8000	83.43	19.04	102.47	999.00	-896.53	AVG	No Limit
6 *	5186.8000	92.71	19.04	111.75	68.20	43.55	Peak	No Limit

REMARKS:

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

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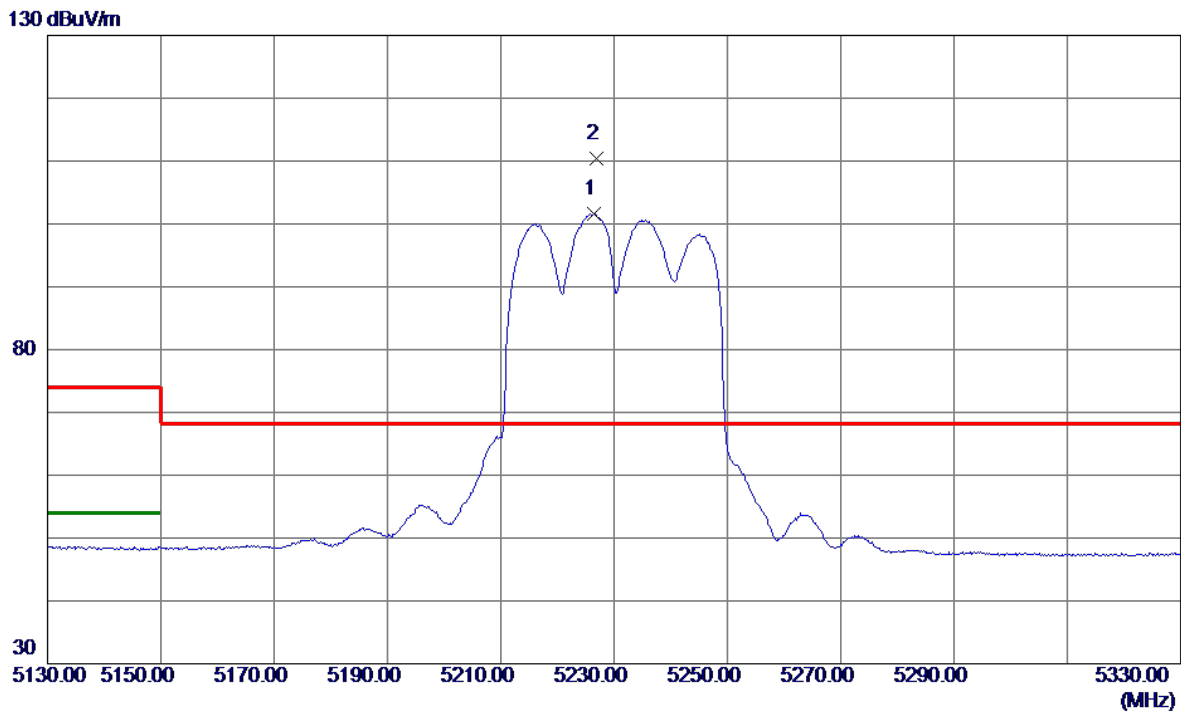


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10380.0450	37.72	16.68	54.40	68.20	-13.80	Peak	

REMARKS:

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

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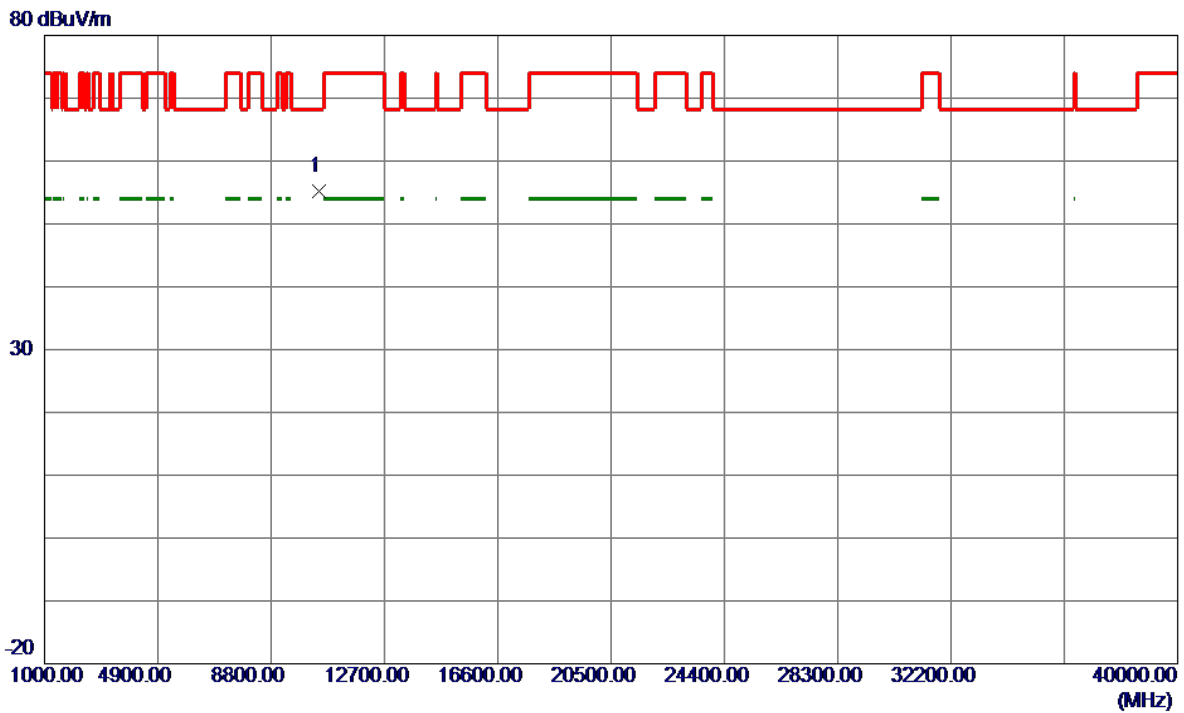


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5226.5000	82.58	19.10	101.68	999.00	-897.32	AVG	No Limit
2 *	5226.8000	91.21	19.10	110.31	68.20	42.11	Peak	No Limit

REMARKS:

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

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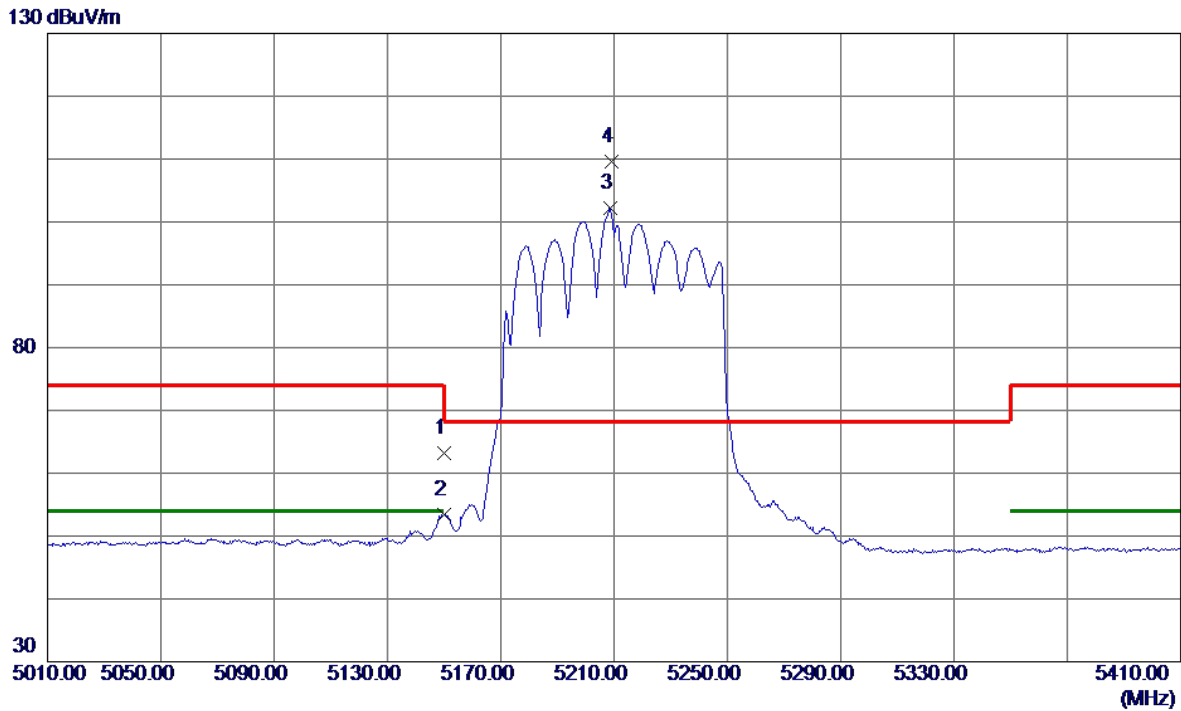


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10459.8900	38.32	16.81	55.13	68.20	-13.07	Peak	

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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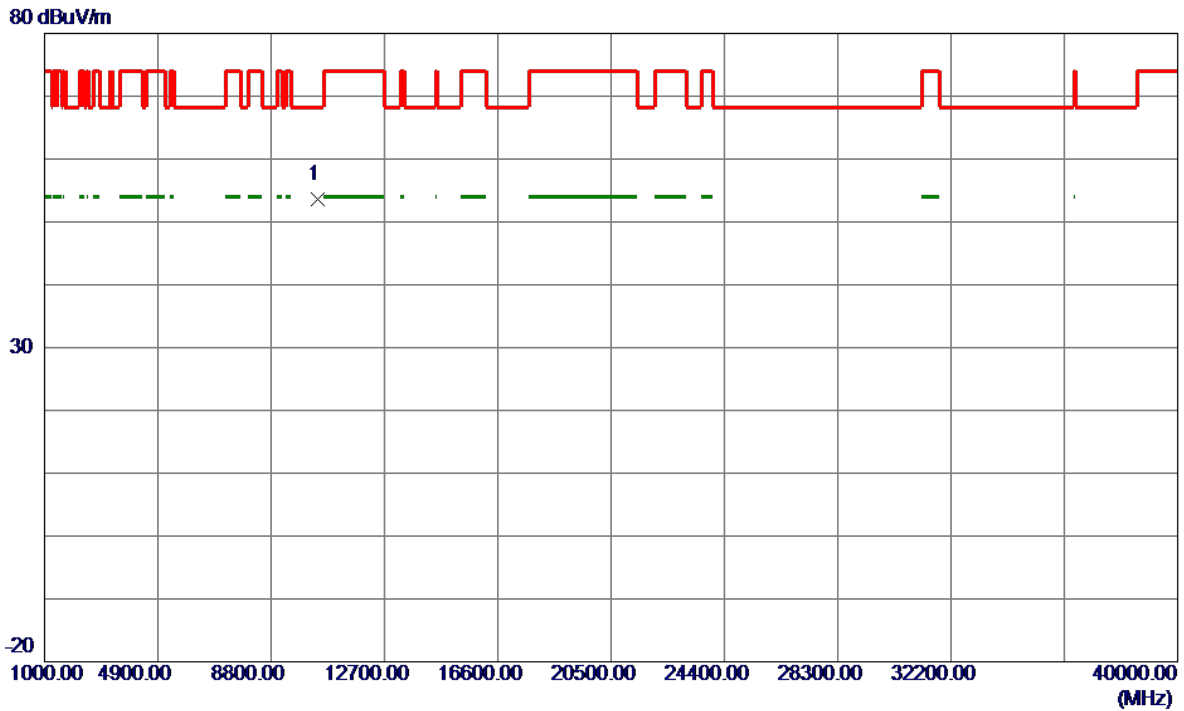


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	44.26	18.98	63.24	74.00	-10.76	Peak	
2	5150.0000	34.45	18.98	53.43	54.00	-0.57	AVG	
3	5208.6000	83.16	19.07	102.23	999.00	-896.77	AVG	No Limit
4 *	5209.0000	90.52	19.07	109.59	68.20	41.39	Peak	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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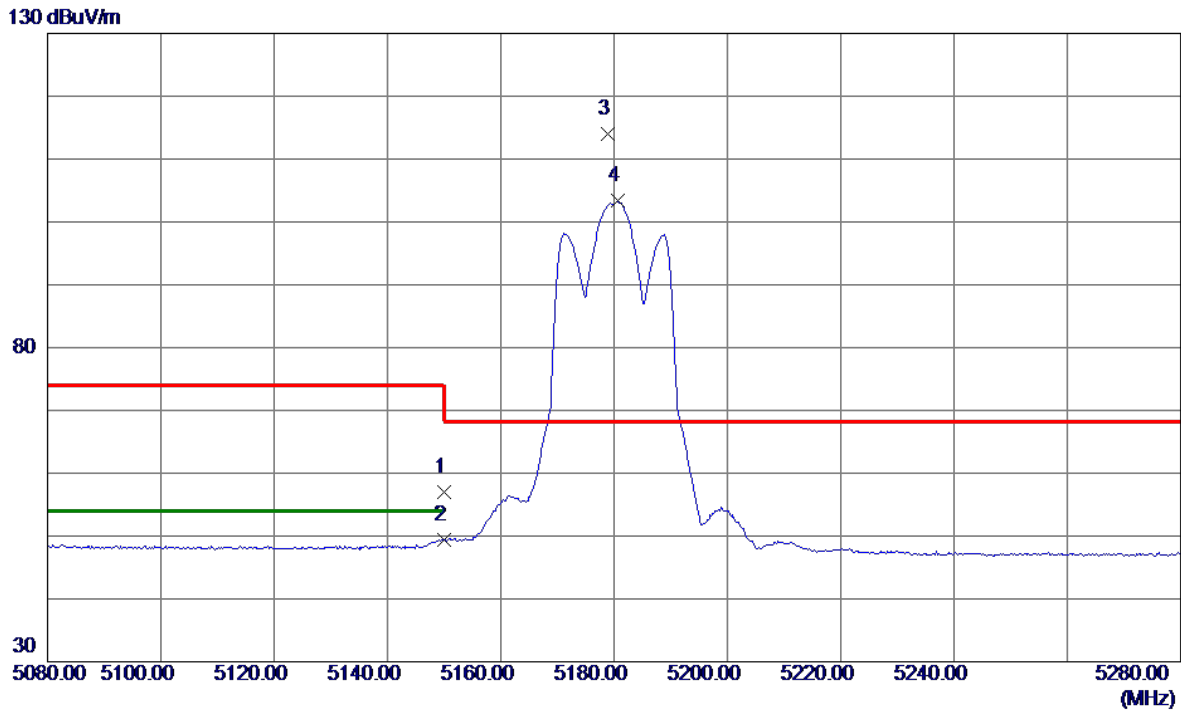


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10419.6400	36.89	16.74	53.63	68.20	-14.57	Peak	

REMARKS:

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

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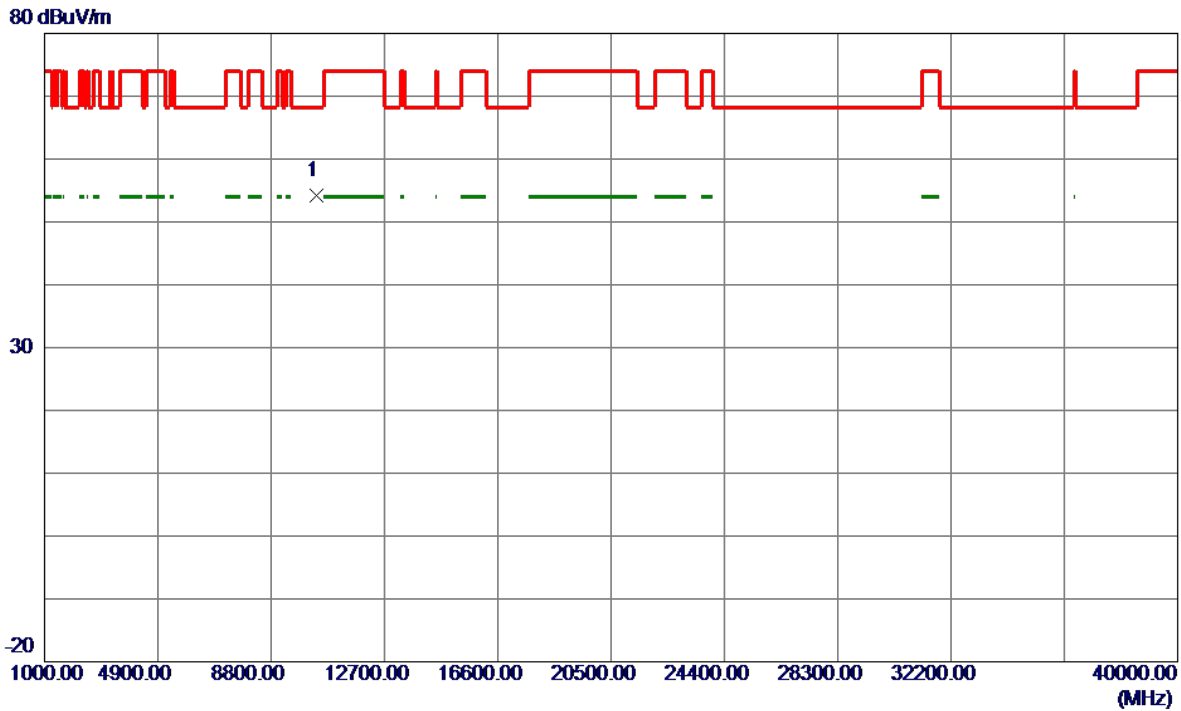


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	38.07	18.98	57.05	74.00	-16.95	Peak	
2	5150.0000	30.48	18.98	49.46	54.00	-4.54	AVG	
3 *	5178.8000	94.87	19.03	113.90	68.20	45.70	Peak	No Limit
4	5180.6000	84.28	19.03	103.31	999.00	-895.69	AVG	No Limit

REMARKS:

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

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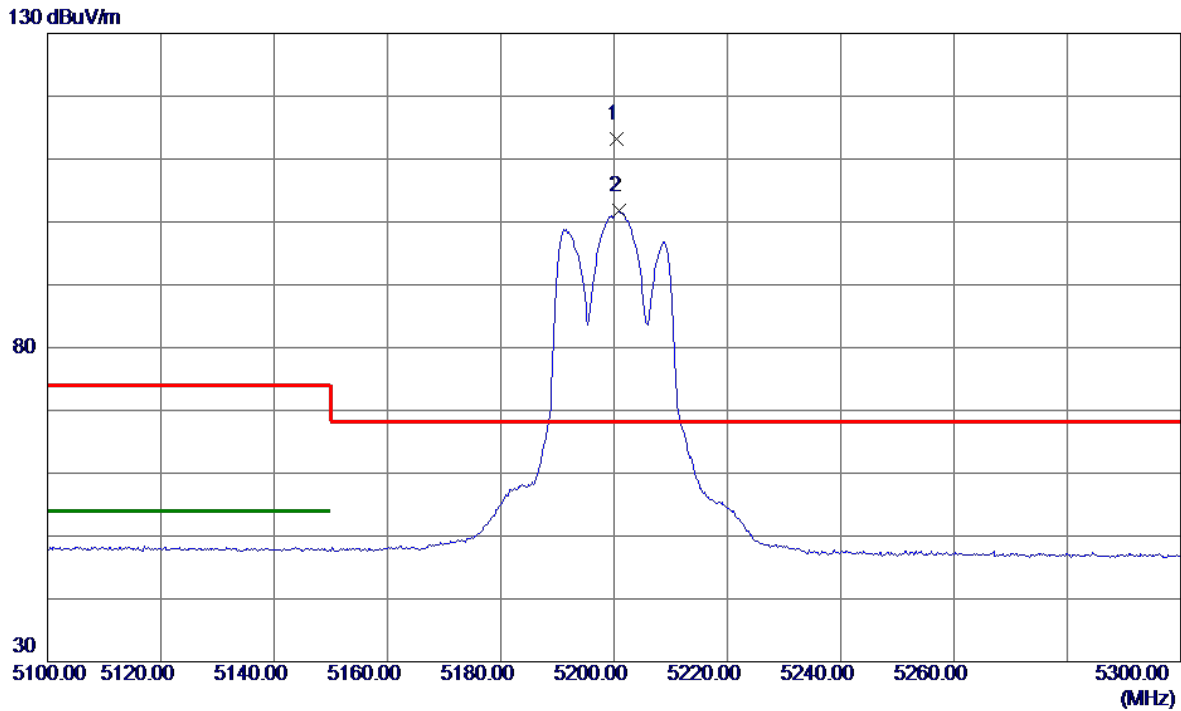


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.0100	37.46	16.65	54.11	68.20	-14.09	Peak	

REMARKS:

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

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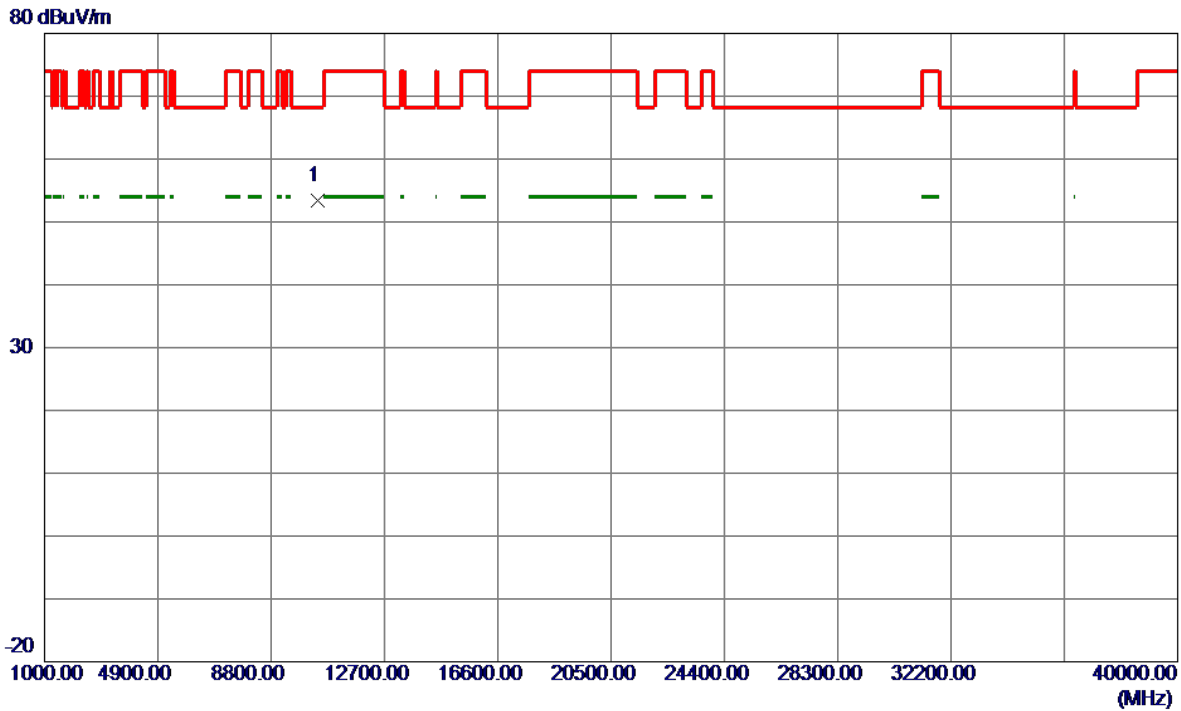


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5200.5000	94.22	19.06	113.28	68.20	45.08	Peak	No Limit
2	5200.9000	82.66	19.06	101.72	999.00	-897.28	AVG	No Limit

REMARKS:

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

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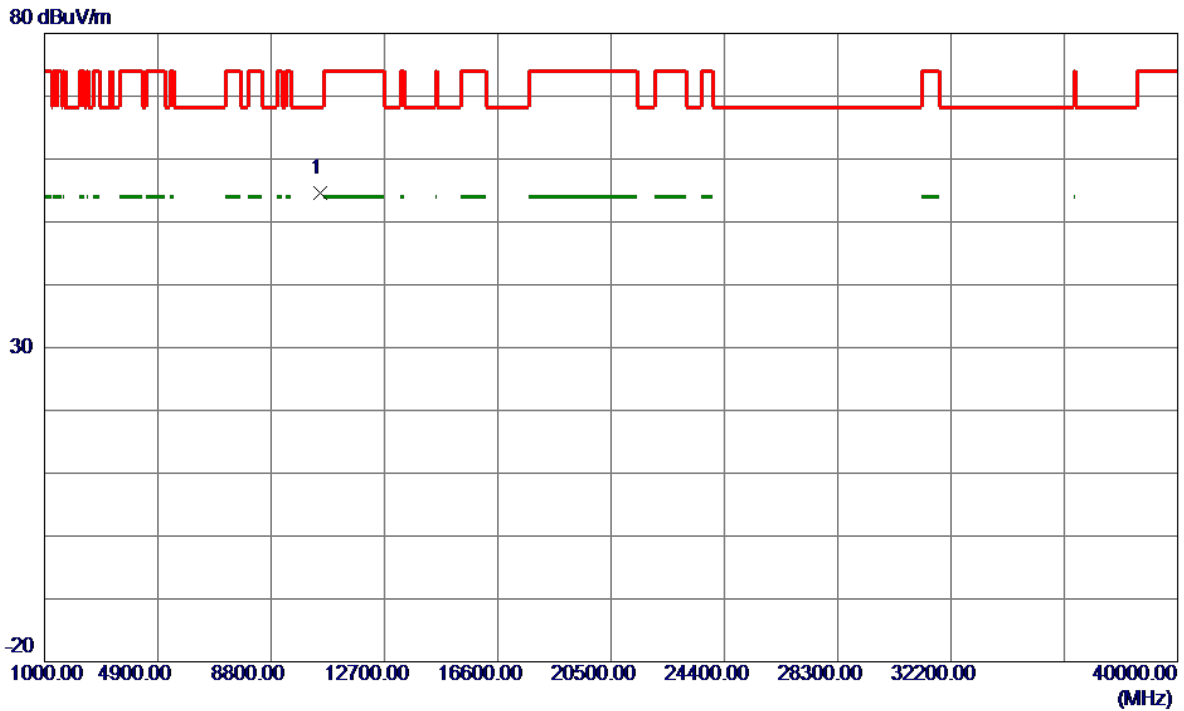


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10399.9800	36.69	16.71	53.40	68.20	-14.80	Peak	

REMARKS:

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

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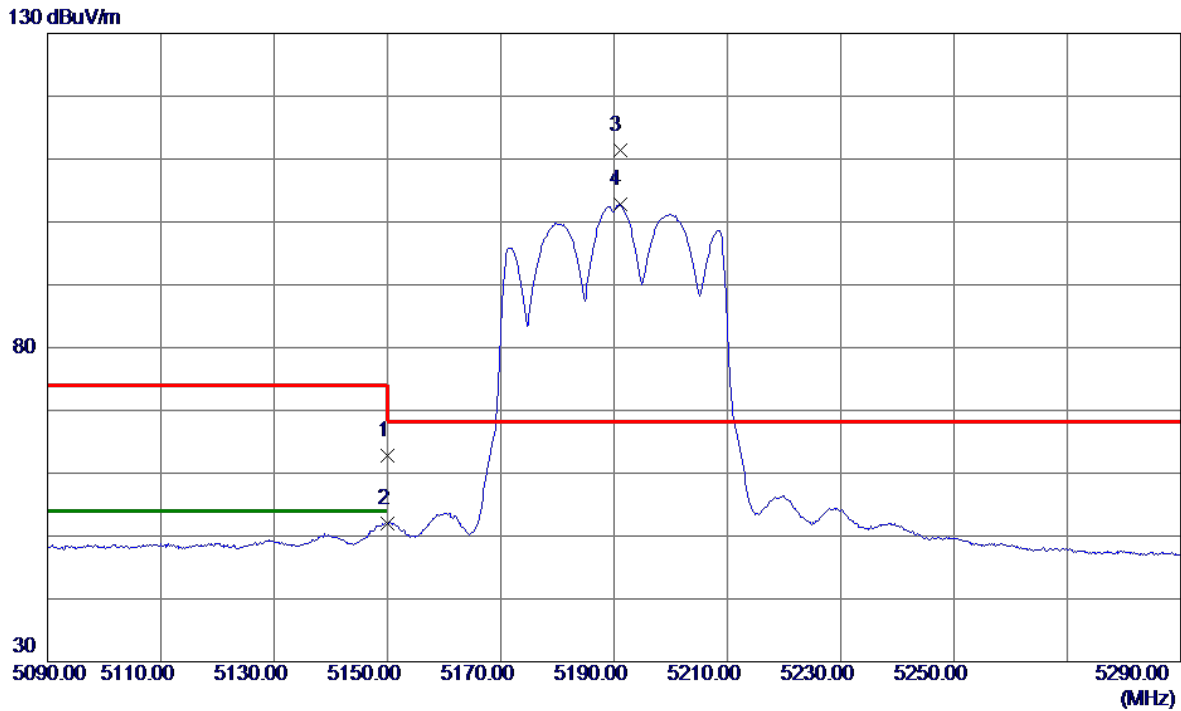


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10485.7100	37.84	16.85	54.69	68.20	-13.51	Peak	

REMARKS:

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

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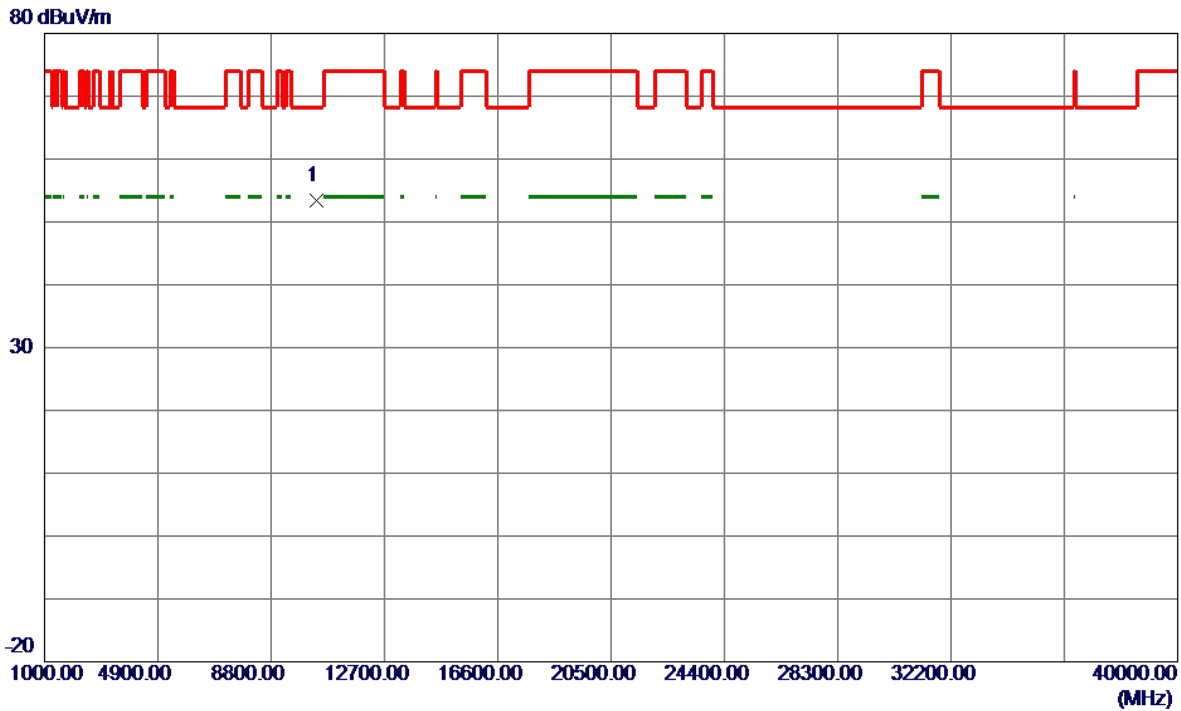


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	43.91	18.98	62.89	74.00	-11.11	Peak	
2	5150.0000	33.11	18.98	52.09	54.00	-1.91	AVG	
3 *	5191.0000	92.44	19.04	111.48	68.20	43.28	Peak	No Limit
4	5191.0000	83.82	19.04	102.86	999.00	-896.14	AVG	No Limit

REMARKS:

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

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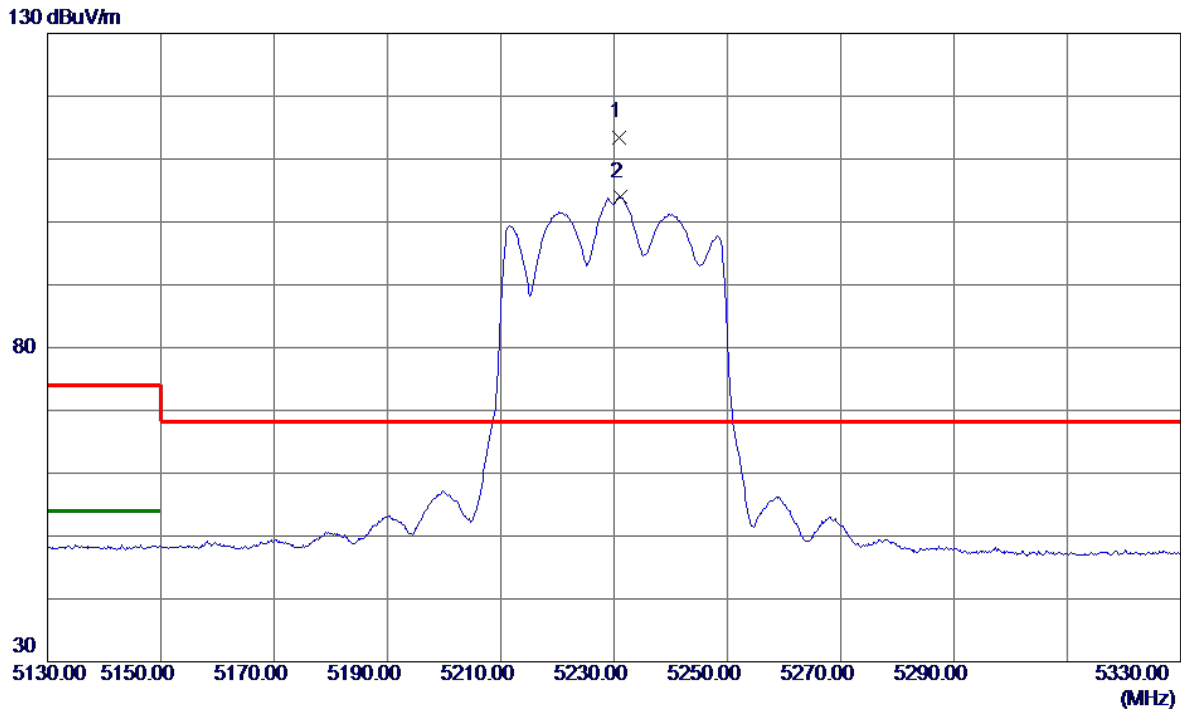


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10380.1050	36.63	16.68	53.31	68.20	-14.89	Peak	

REMARKS:

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

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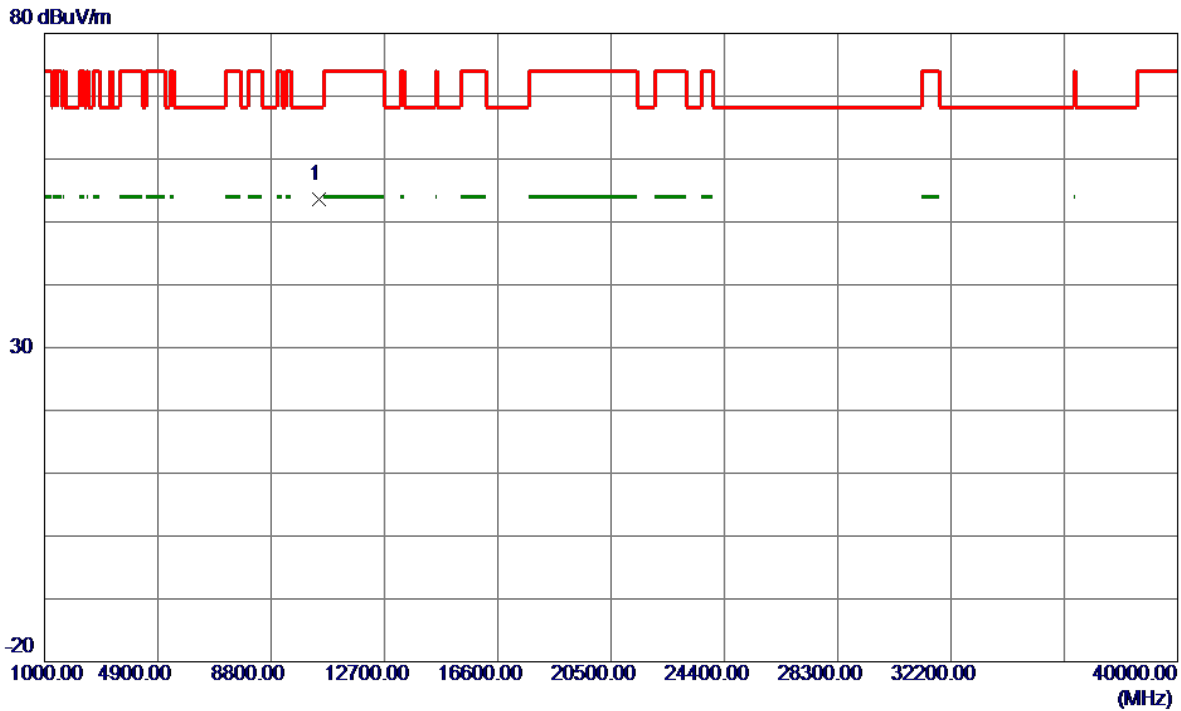


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5230.8000	94.40	19.10	113.50	68.20	45.30	Peak	No Limit
2	5231.1000	84.92	19.10	104.02	999.00	-894.98	AVG	No Limit

REMARKS:

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

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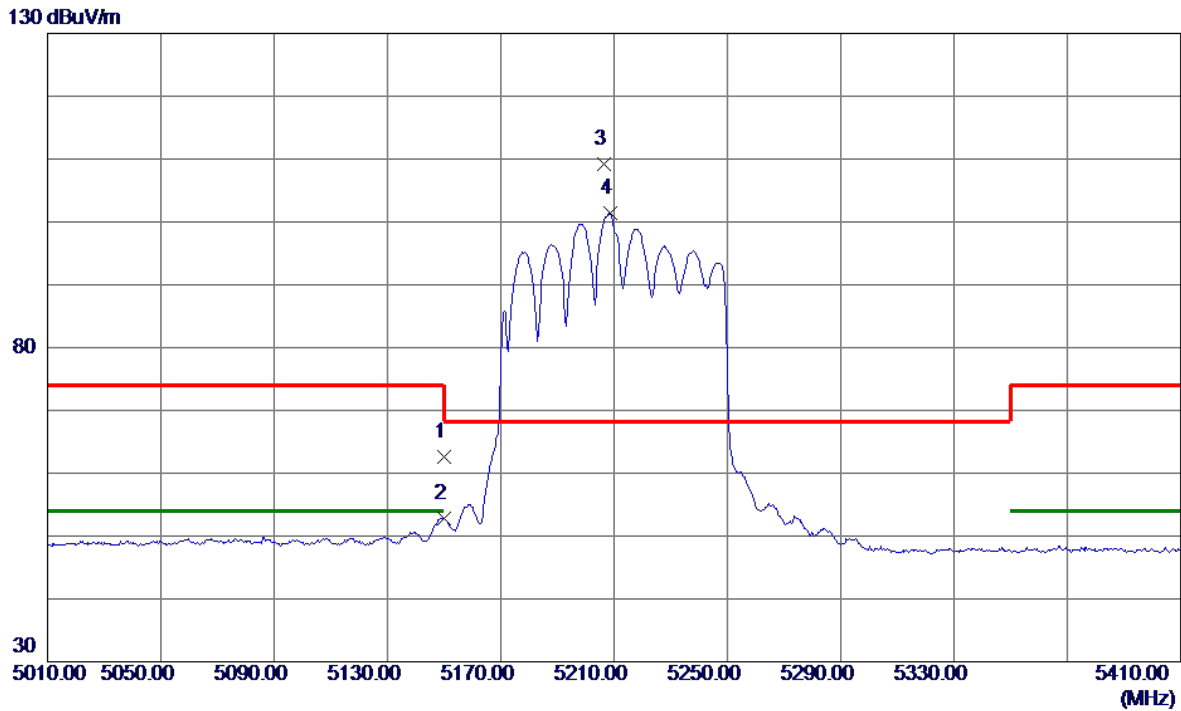


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10459.9700	36.76	16.81	53.57	68.20	-14.63	Peak	

REMARKS:

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

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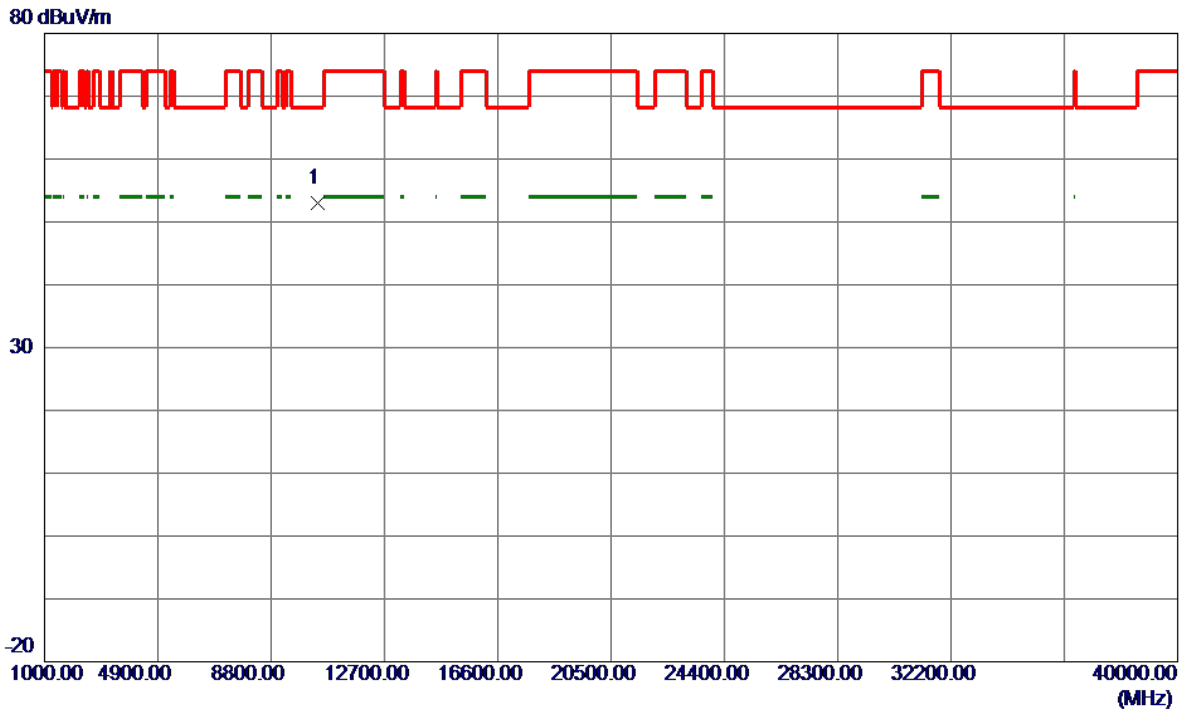


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	43.67	18.98	62.65	74.00	-11.35	Peak	
2	5150.0000	33.75	18.98	52.73	54.00	-1.27	AVG	
3 *	5206.6000	90.07	19.07	109.14	68.20	40.94	Peak	No Limit
4	5208.6000	82.36	19.07	101.43	999.00	-897.57	AVG	No Limit

REMARKS:

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

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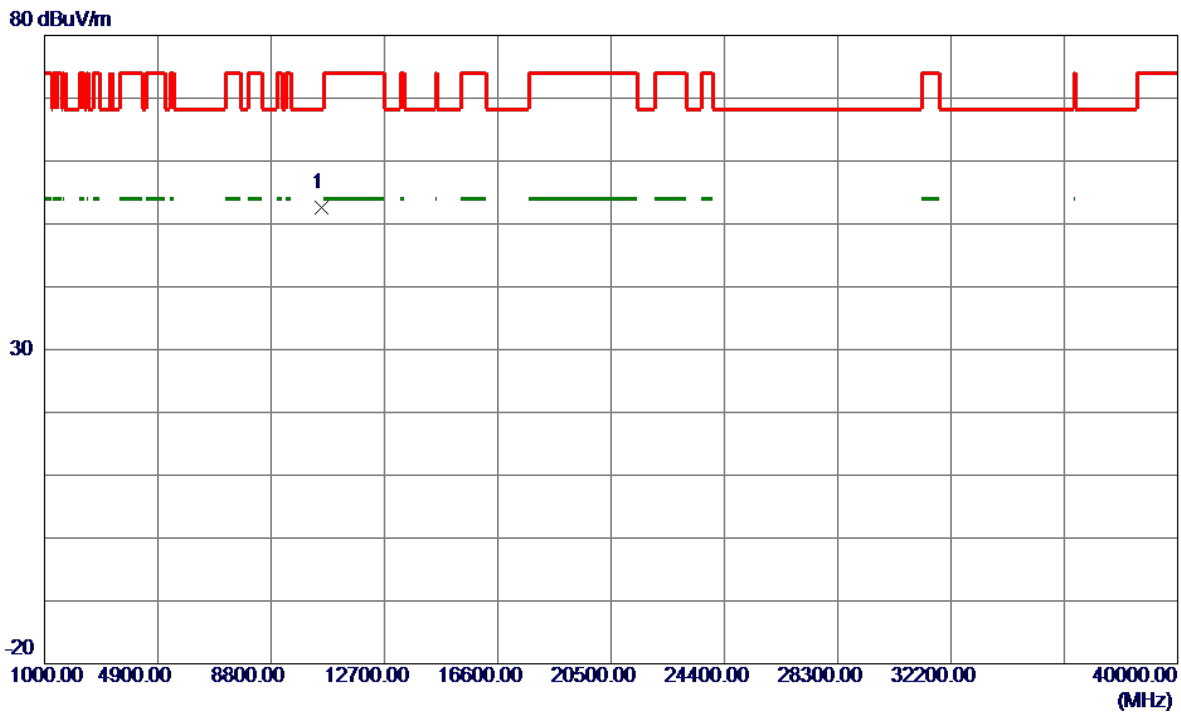


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10420.2400	36.34	16.74	53.08	68.20	-15.12	Peak	

REMARKS:

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

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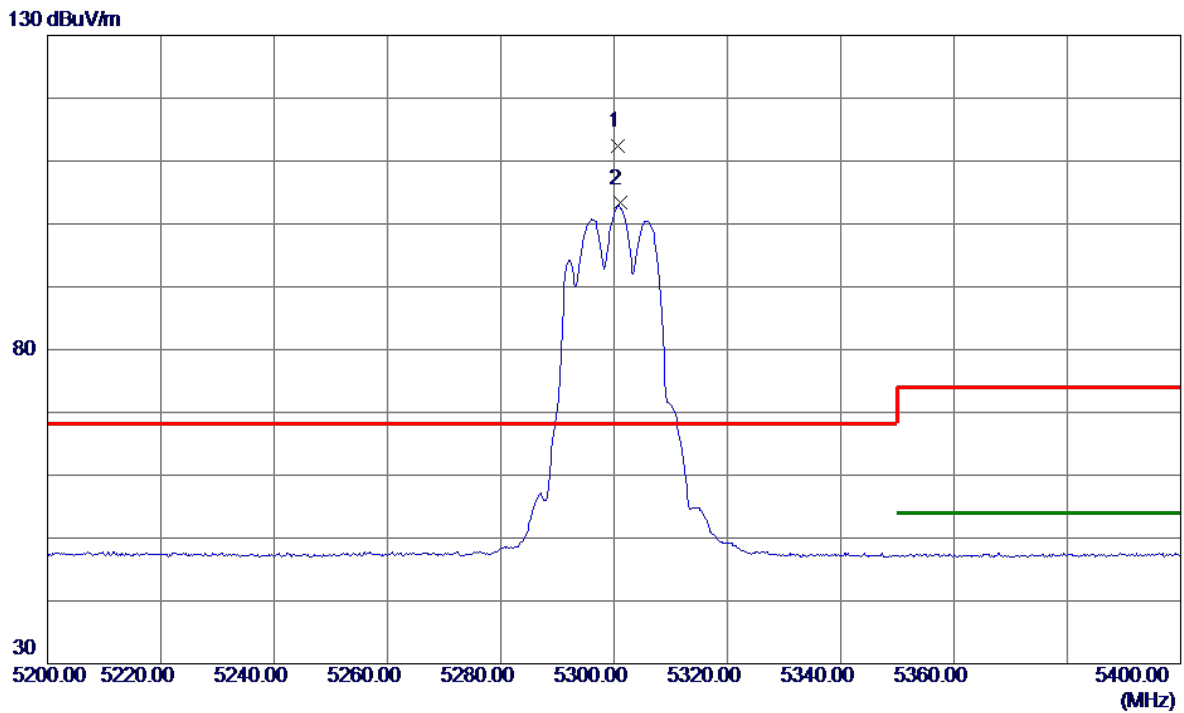


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10520.2800	35.70	16.88	52.58	68.20	-15.62	Peak	

REMARKS:

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

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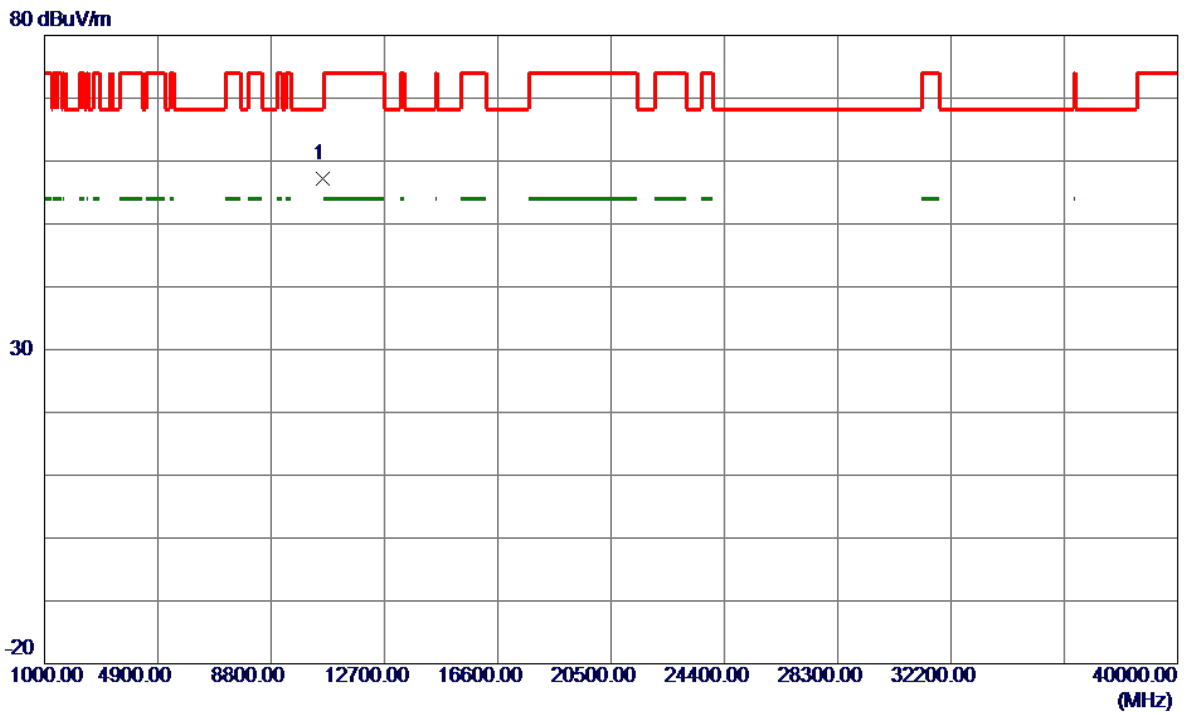


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5300.6000	93.17	19.21	112.38	68.20	44.18	Peak	No Limit
2	5301.0000	84.09	19.21	103.30	999.00	-895.70	AVG	No Limit

REMARKS:

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

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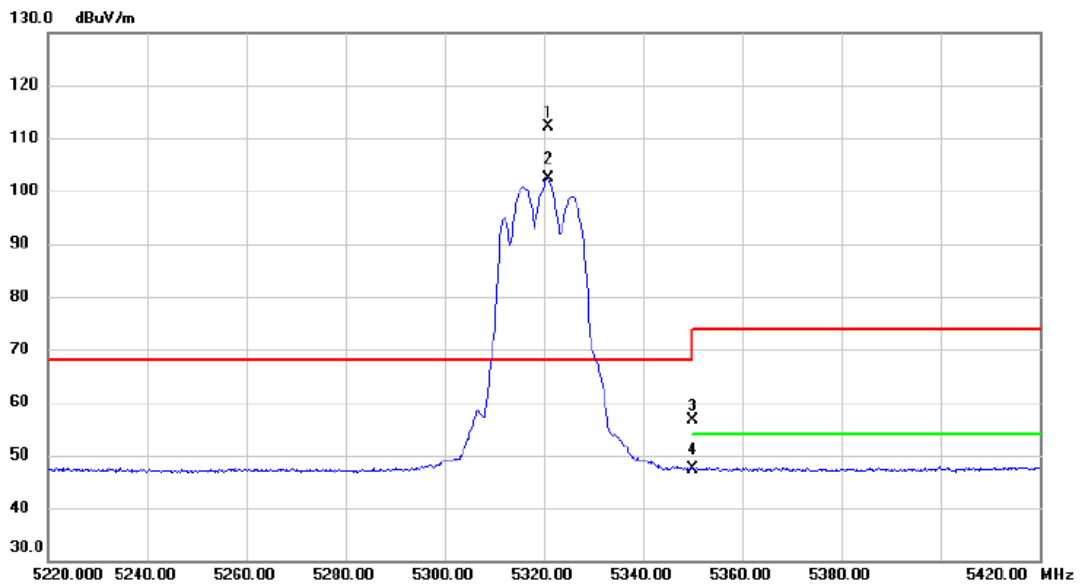


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10597.5000	40.35	16.93	57.28	68.20	-10.92	Peak	

REMARKS:

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

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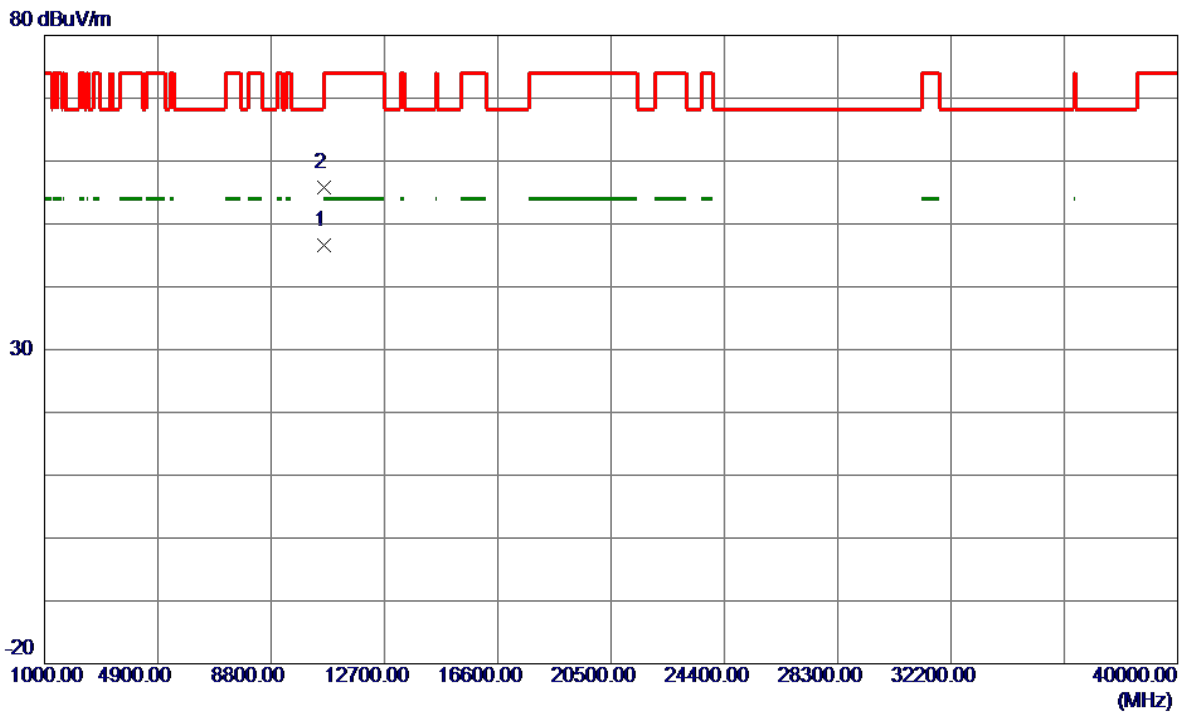


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5321.000	92.89	19.23	112.12	68.20	43.92	peak	No Limit
2	X	5321.000	83.11	19.23	102.34	68.20	34.14	AVG	No Limit
3		5350.000	37.47	19.28	56.75	74.00	-17.25	peak	
4		5350.000	28.22	19.28	47.50	54.00	-6.50	AVG	

REMARKS:

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

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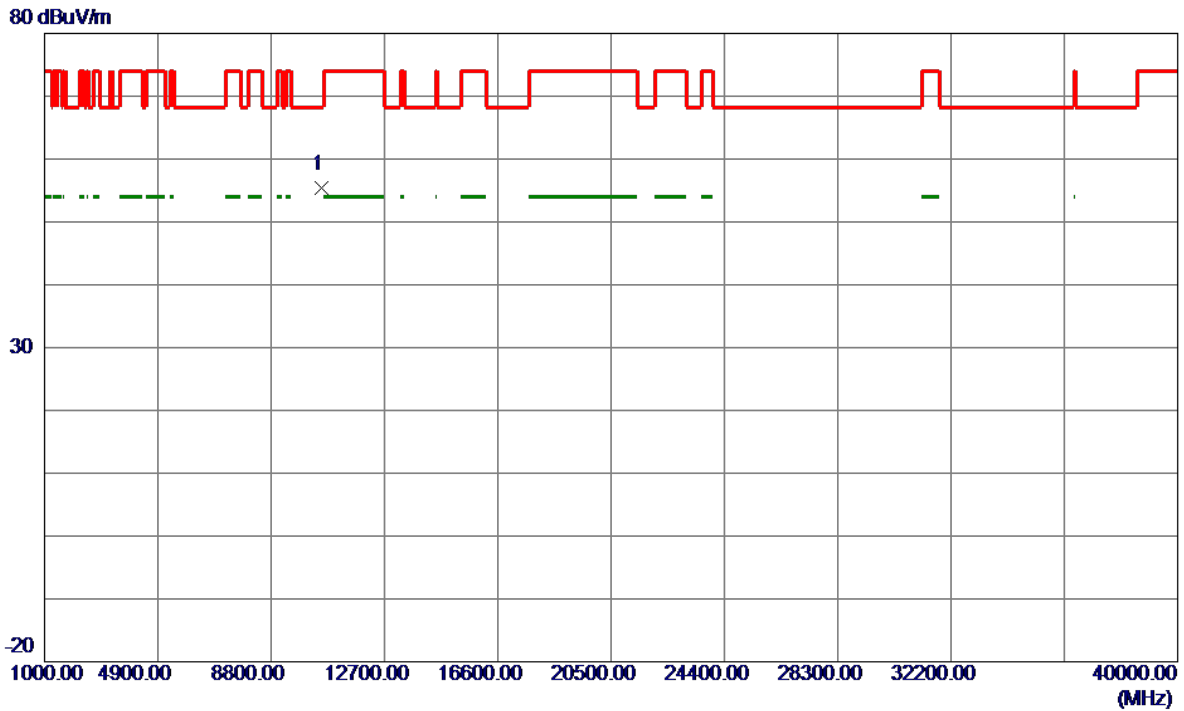


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10639.9400	29.59	16.95	46.54	54.00	-7.46	AVG	
2	10639.9900	38.86	16.95	55.81	74.00	-18.19	Peak	

REMARKS:

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

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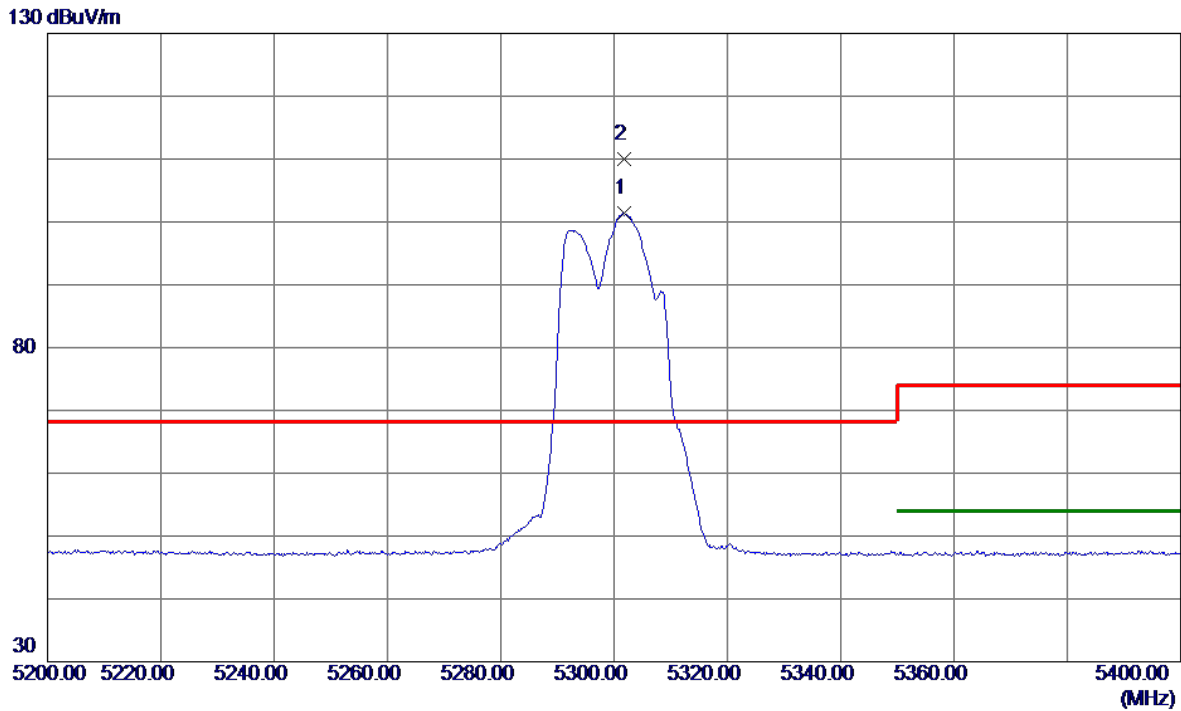


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10516.5000	38.42	16.88	55.30	68.20	-12.90	Peak	

REMARKS:

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

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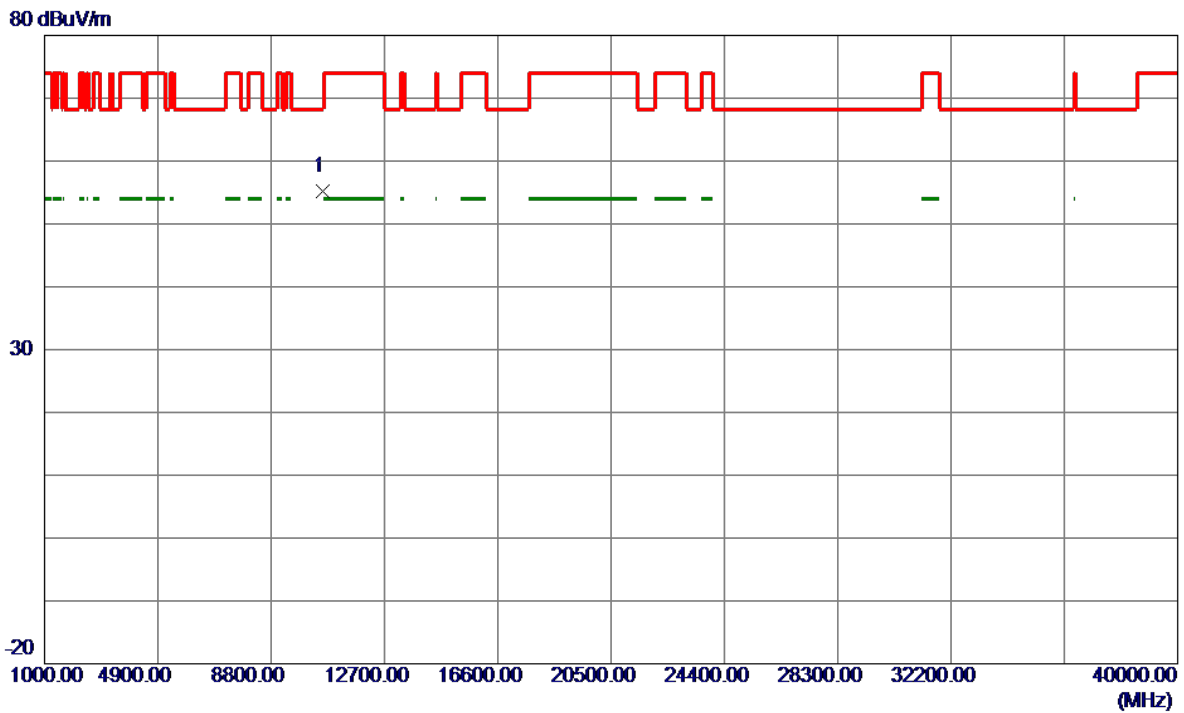


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5301.7000	82.13	19.21	101.34	999.00	-897.66	AVG	No Limit
2 *	5301.8000	90.74	19.21	109.95	68.20	41.75	Peak	No Limit

REMARKS:

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

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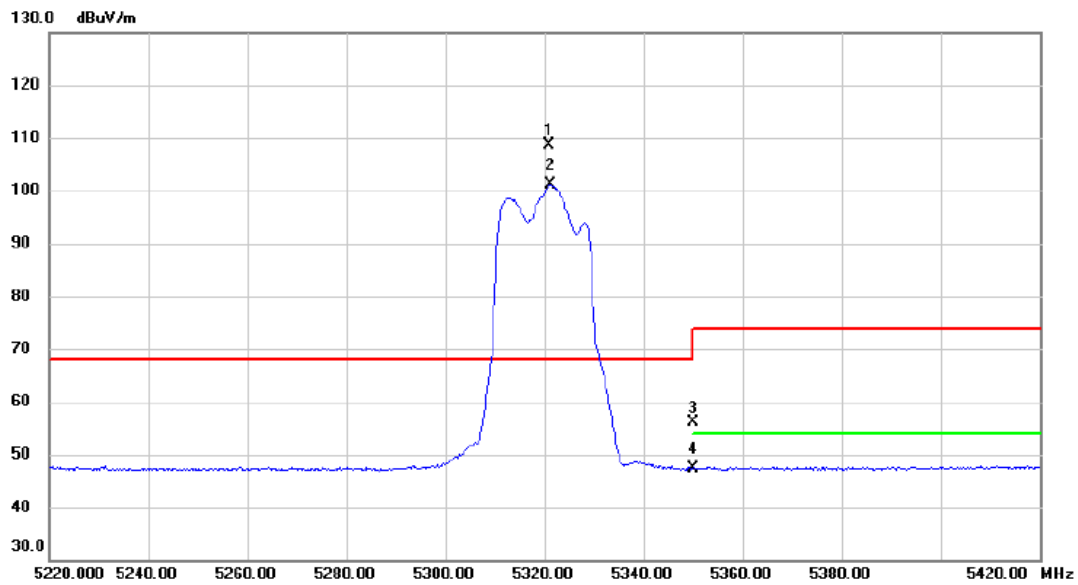


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10597.2000	38.34	16.93	55.27	68.20	-12.93	Peak	

REMARKS:

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

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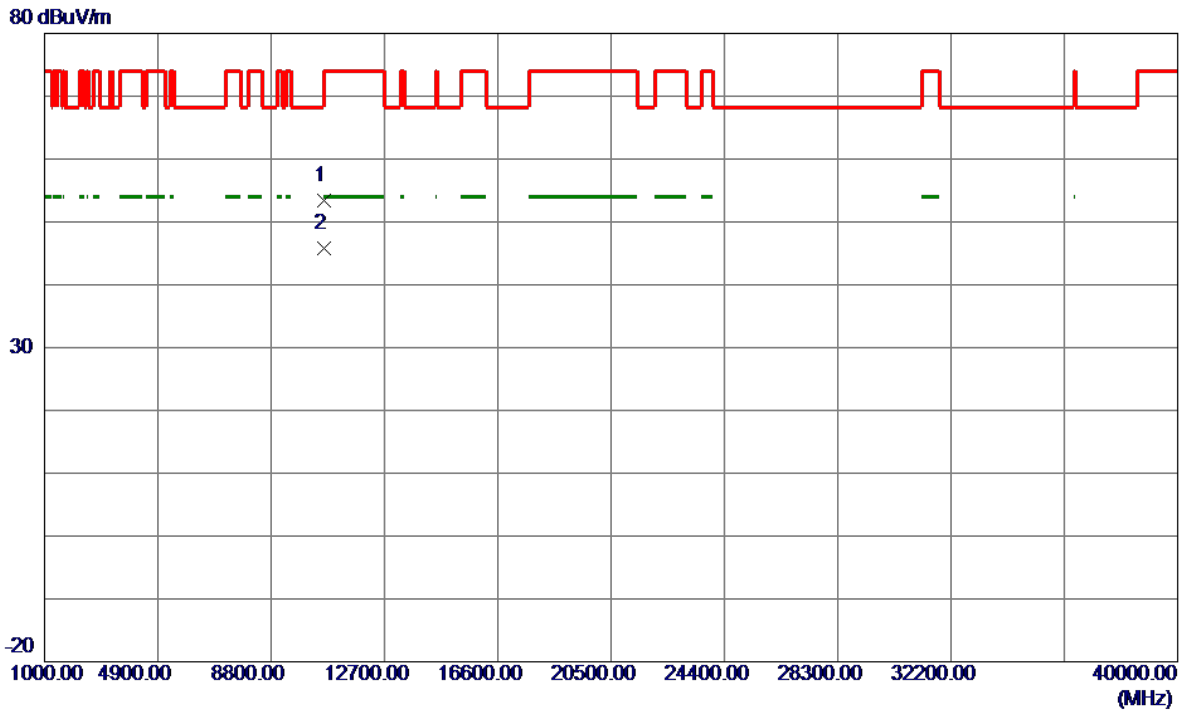


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5320.900	89.32	19.23	108.55	68.20	40.35	peak	No Limit
2	X	5321.200	81.83	19.23	101.06	68.20	32.86	AVG	No Limit
3		5350.000	36.73	19.28	56.01	74.00	-17.99	peak	
4		5350.000	28.05	19.28	47.33	54.00	-6.67	AVG	

REMARKS:

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

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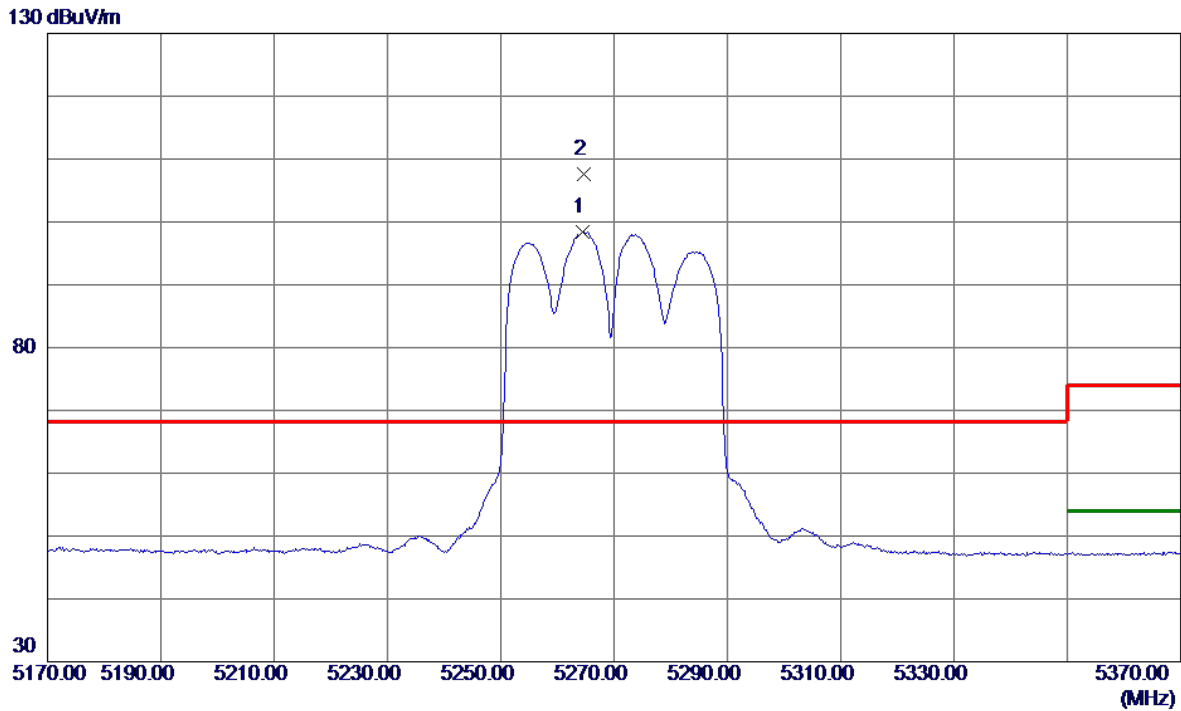


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10638.9000	36.42	16.95	53.37	74.00	-20.63	Peak	
2 *	10639.8750	28.86	16.95	45.81	54.00	-8.19	AVG	

REMARKS:

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

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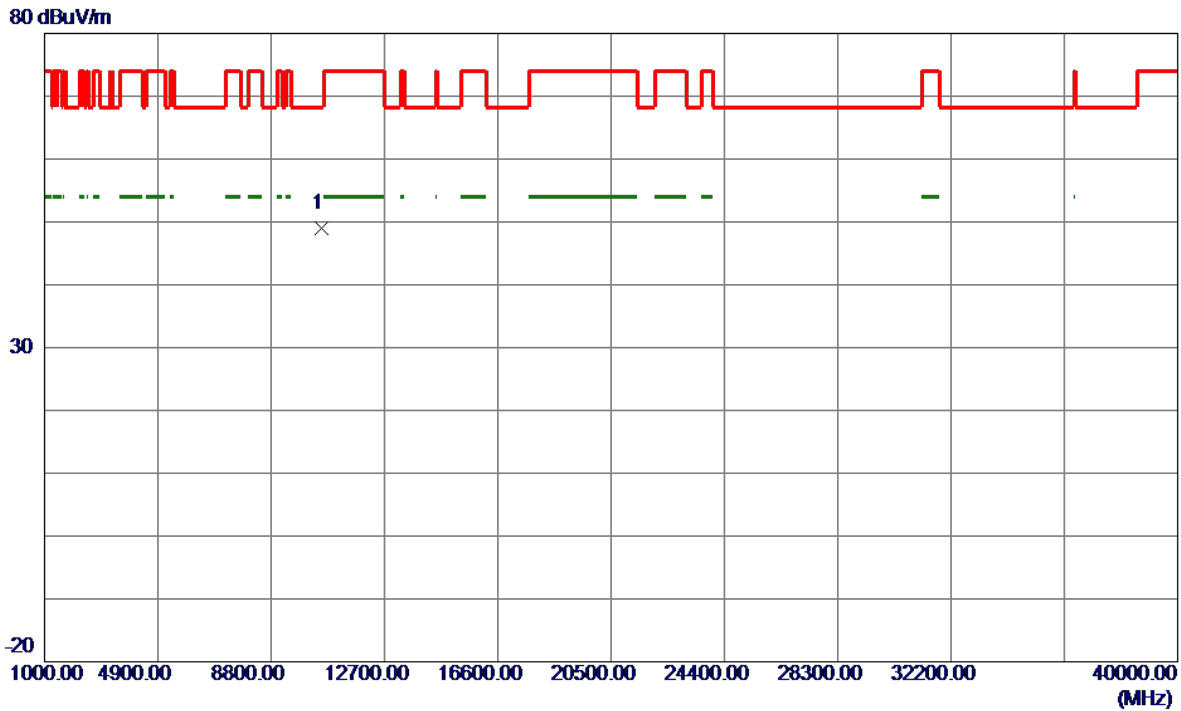


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5264.5000	79.31	19.15	98.46	999.00	-900.54	AVG	No Limit
2 *	5264.6000	88.41	19.15	107.56	68.20	39.36	Peak	No Limit

REMARKS:

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

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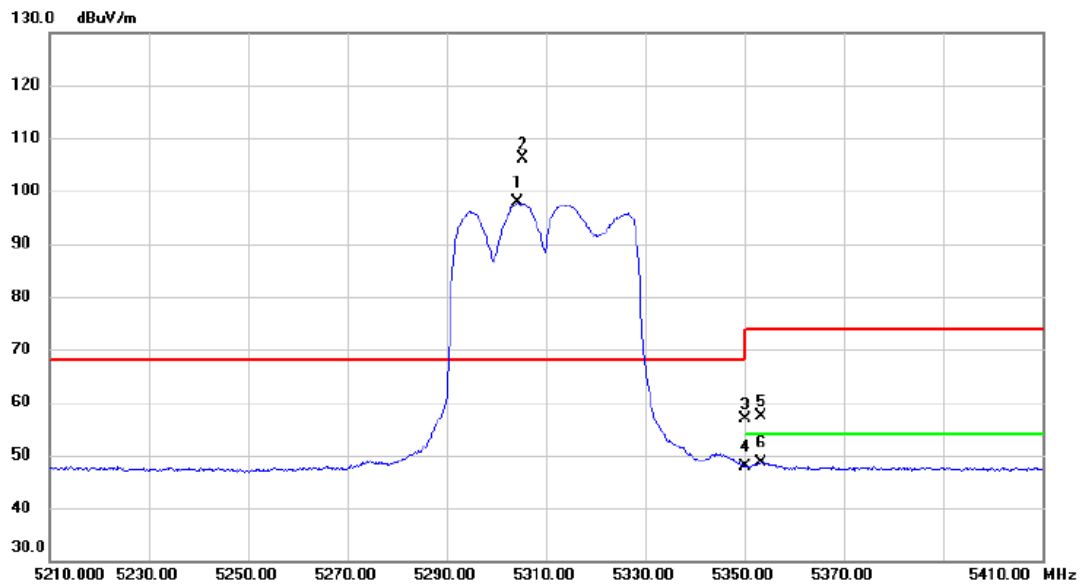


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10539.9170	32.08	16.89	48.97	68.20	-19.23	Peak	

REMARKS:

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

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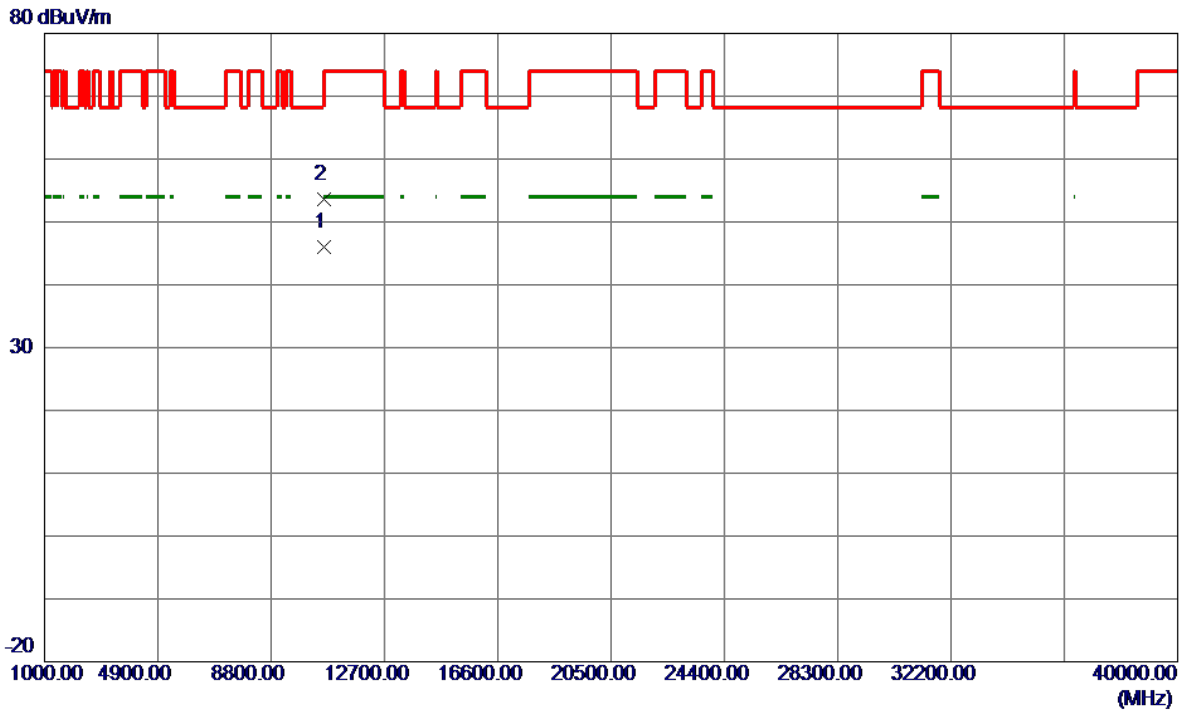


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5304.300	78.64	19.21	97.85	68.20	29.65	AVG	No Limit
2	*	5305.300	86.94	19.21	106.15	68.20	37.95	peak	No Limit
3		5350.000	37.60	19.28	56.88	74.00	-17.12	peak	
4		5350.000	28.56	19.28	47.84	54.00	-6.16	AVG	
5		5353.400	38.19	19.28	57.47	74.00	-16.53	peak	
6		5353.400	29.27	19.28	48.55	54.00	-5.45	AVG	

REMARKS:

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

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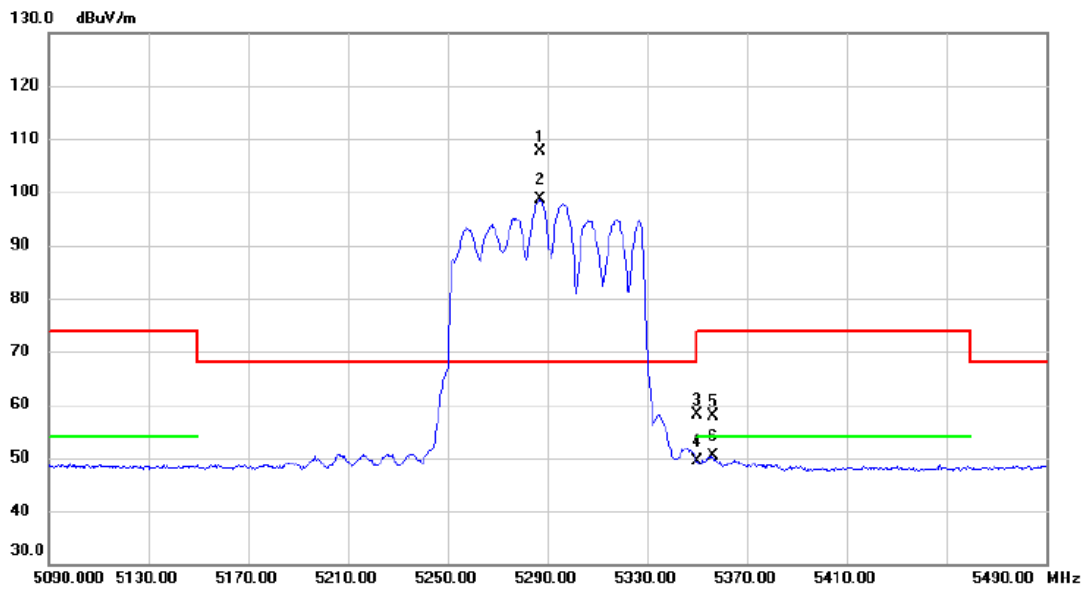


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10619.9400	29.15	16.94	46.09	54.00	-7.91	AVG	
2	10620.3600	36.73	16.94	53.67	74.00	-20.33	Peak	

REMARKS:

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

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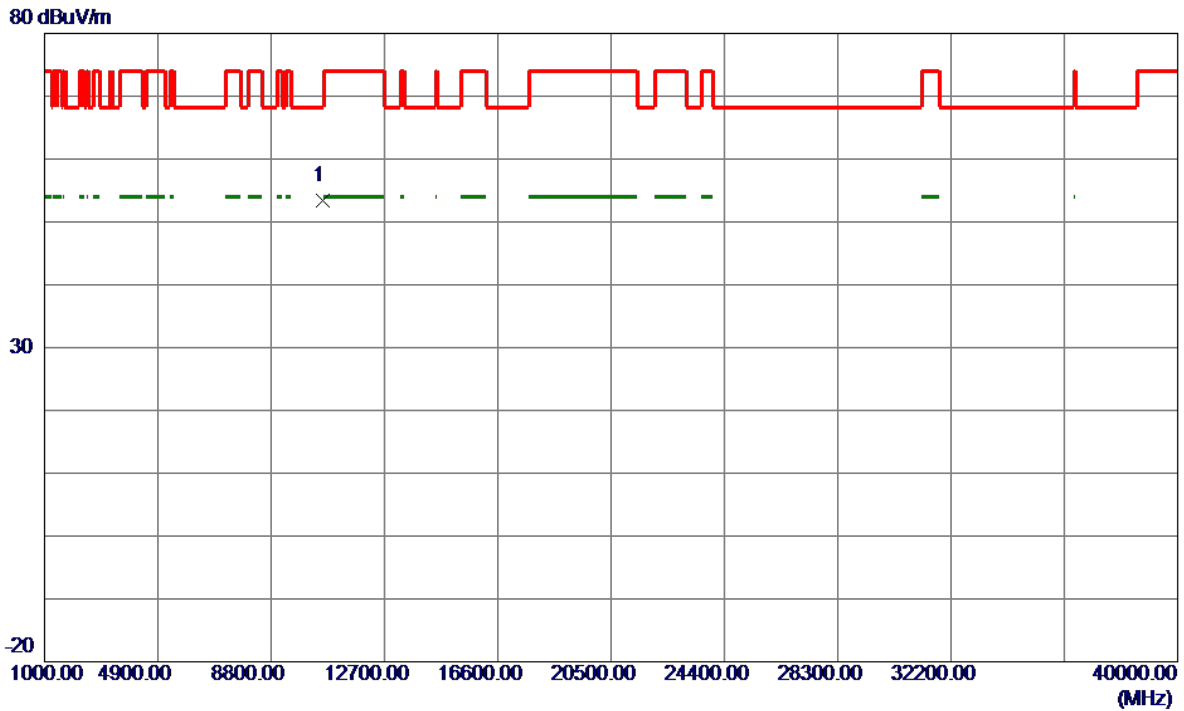


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5286.800	88.53	19.19	107.72	68.20	39.52	peak	No Limit
2	X	5287.200	79.33	19.19	98.52	68.20	30.32	AVG	No Limit
3		5350.000	38.82	19.28	58.10	74.00	-15.90	peak	
4		5350.000	30.03	19.28	49.31	54.00	-4.69	AVG	
5		5356.200	38.56	19.28	57.84	74.00	-16.16	peak	
6		5356.200	31.05	19.28	50.33	54.00	-3.67	AVG	

REMARKS:

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

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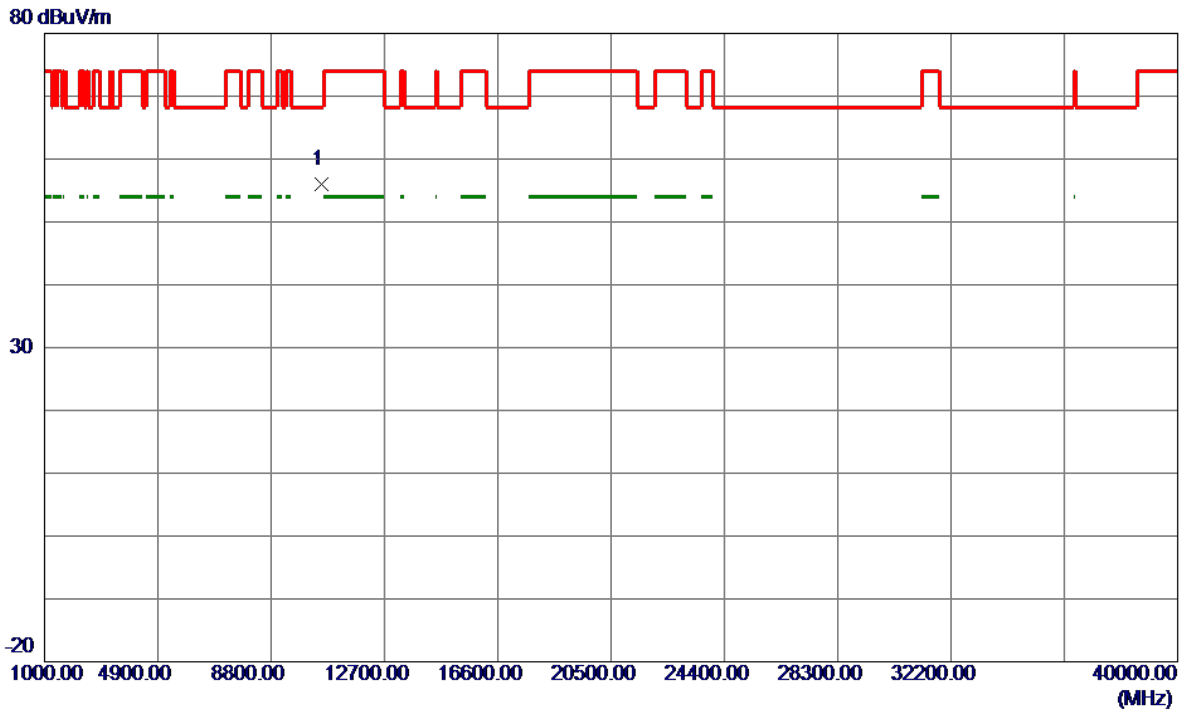


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10580.0670	36.55	16.92	53.47	68.20	-14.73	Peak	

REMARKS:

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

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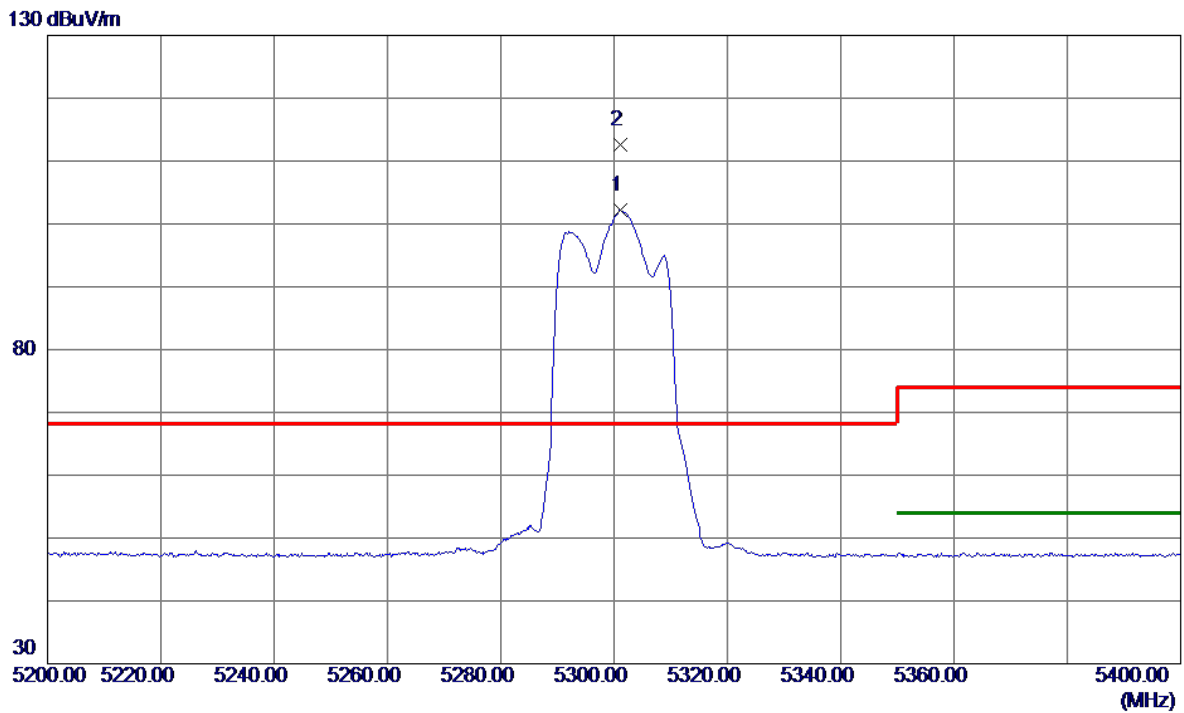


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10519.6600	39.08	16.88	55.96	68.20	-12.24	Peak	

REMARKS:

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

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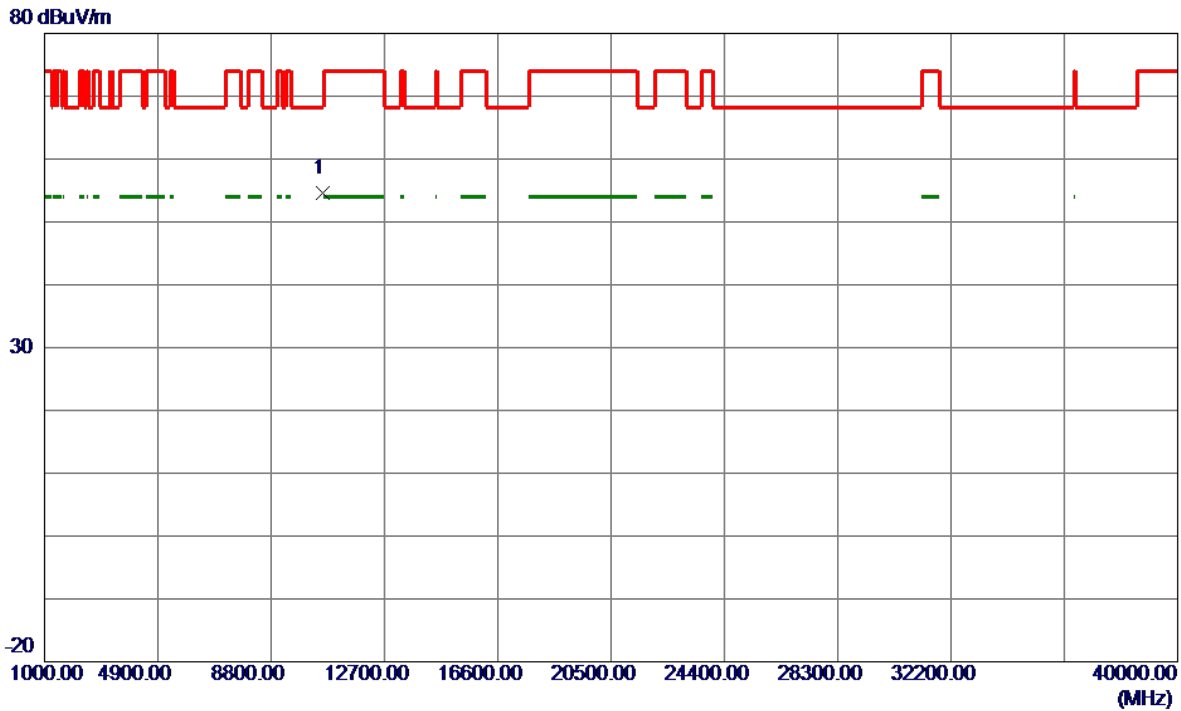


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5301.1000	82.96	19.21	102.17	999.00	-896.83	AVG	No Limit
2 *	5301.2000	93.40	19.21	112.61	68.20	44.41	Peak	No Limit

REMARKS:

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

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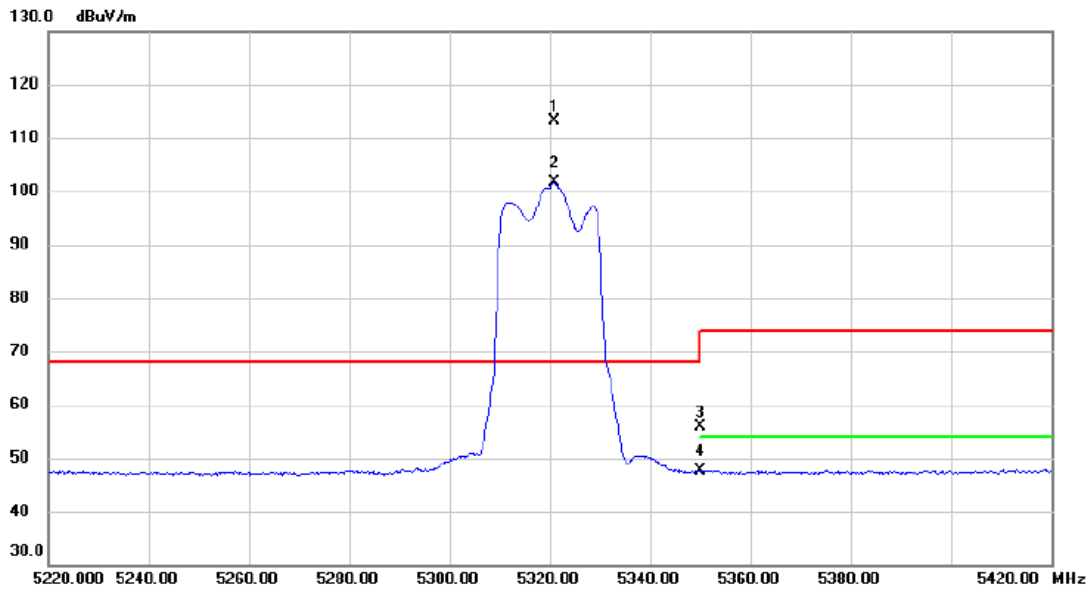


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10596.2800	37.76	16.93	54.69	68.20	-13.51	Peak	

REMARKS:

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

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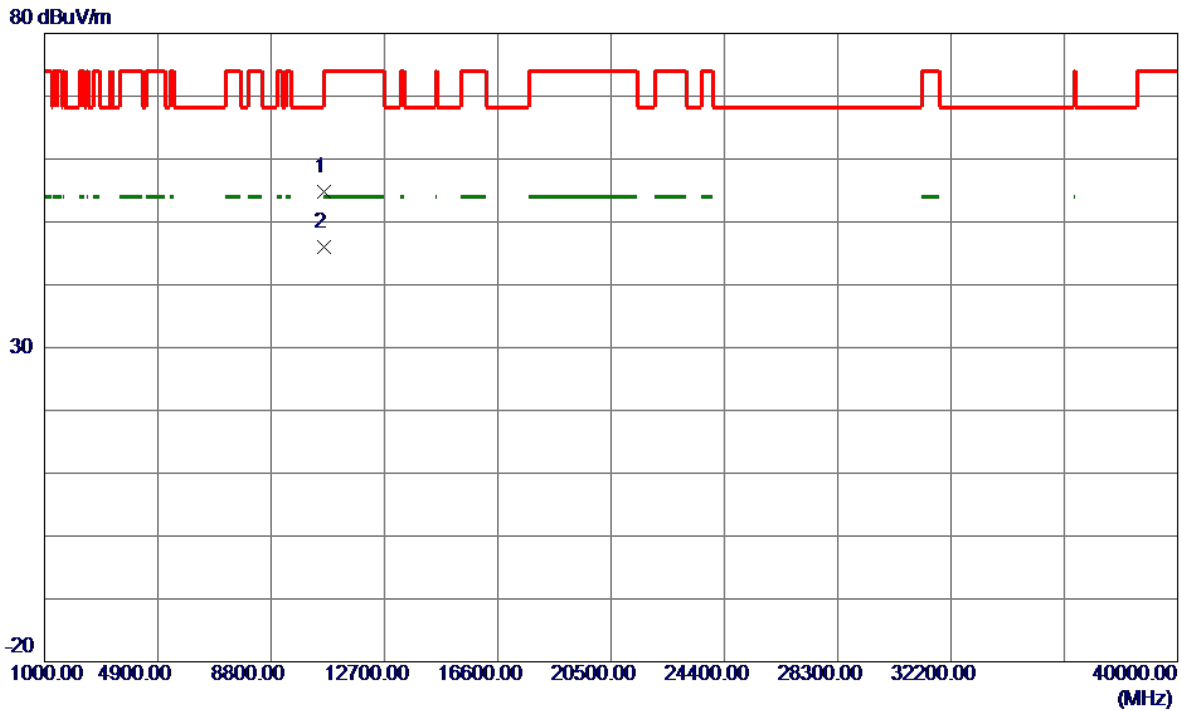


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5320.900	93.83	19.23	113.06	68.20	44.86	peak	No Limit
2	X	5320.900	82.40	19.23	101.63	68.20	33.43	AVG	No Limit
3		5350.000	36.55	19.28	55.83	74.00	-18.17	peak	
4		5350.000	28.30	19.28	47.58	54.00	-6.42	AVG	

REMARKS:

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

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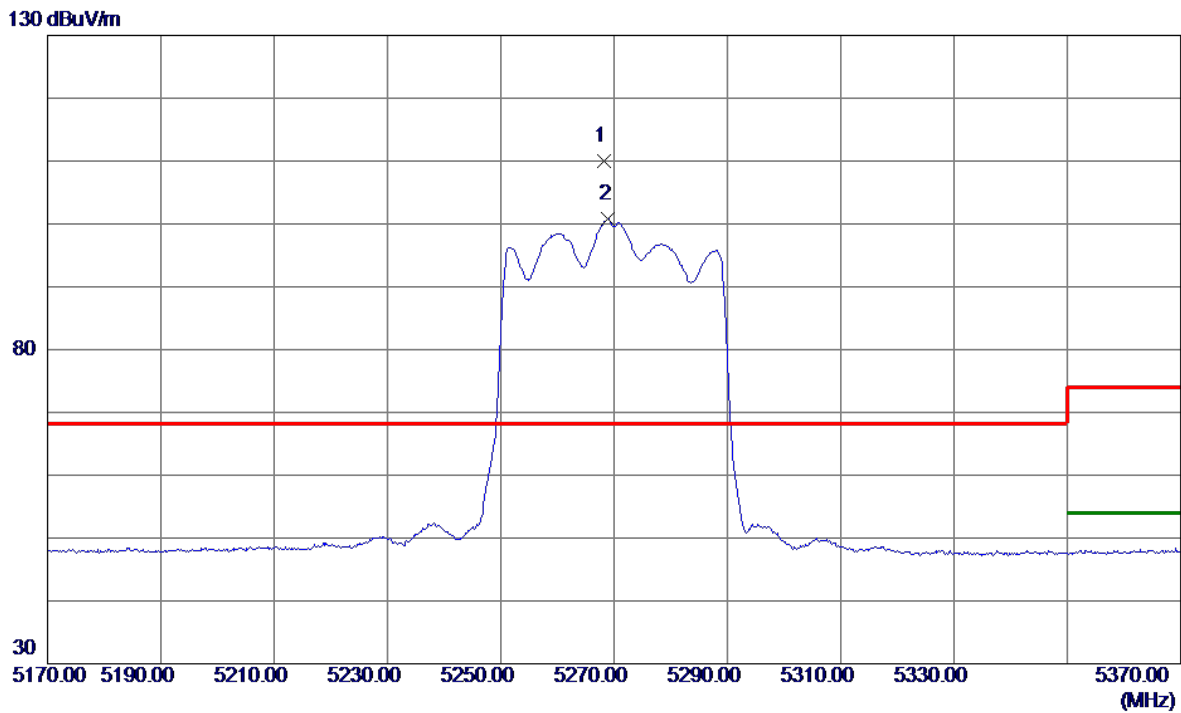


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10639.4200	37.82	16.95	54.77	74.00	-19.23	Peak	
2 *	10639.8400	28.99	16.95	45.94	54.00	-8.06	AVG	

REMARKS:

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

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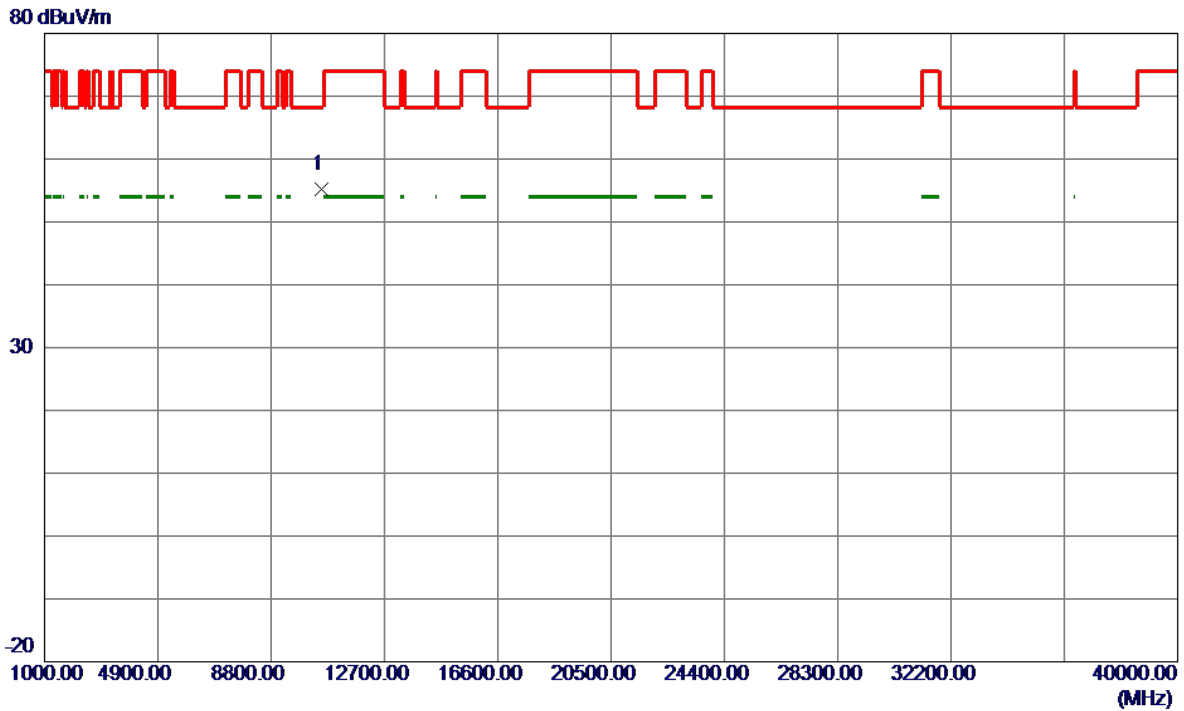


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5268.3000	90.87	19.16	110.03	68.20	41.83	Peak	No Limit
2	5269.0000	81.61	19.16	100.77	999.00	-898.23	AVG	No Limit

REMARKS:

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

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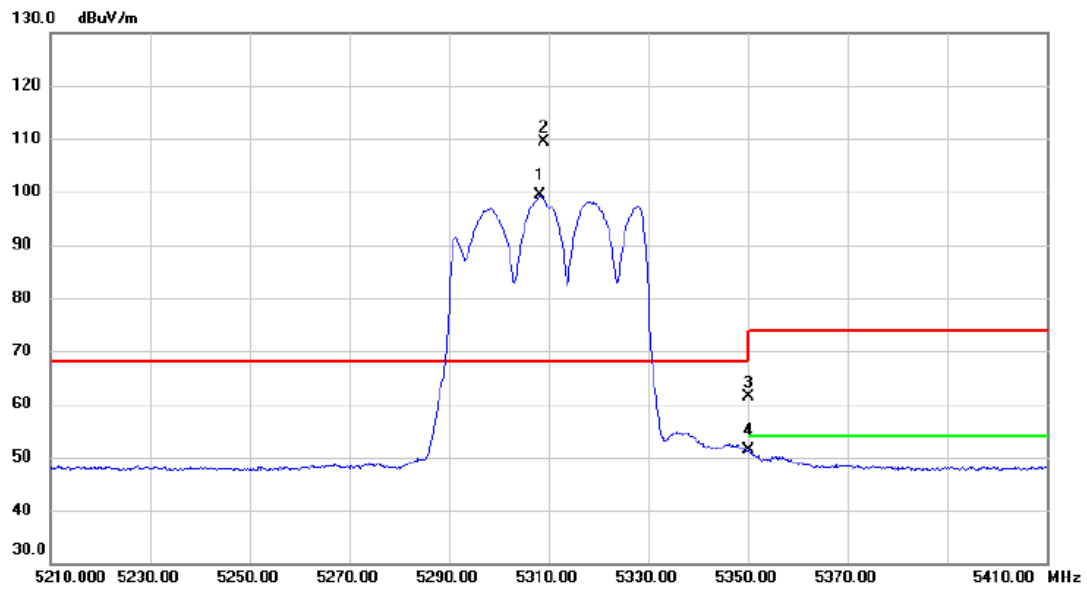


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10539.6470	38.39	16.89	55.28	68.20	-12.92	Peak	

REMARKS:

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

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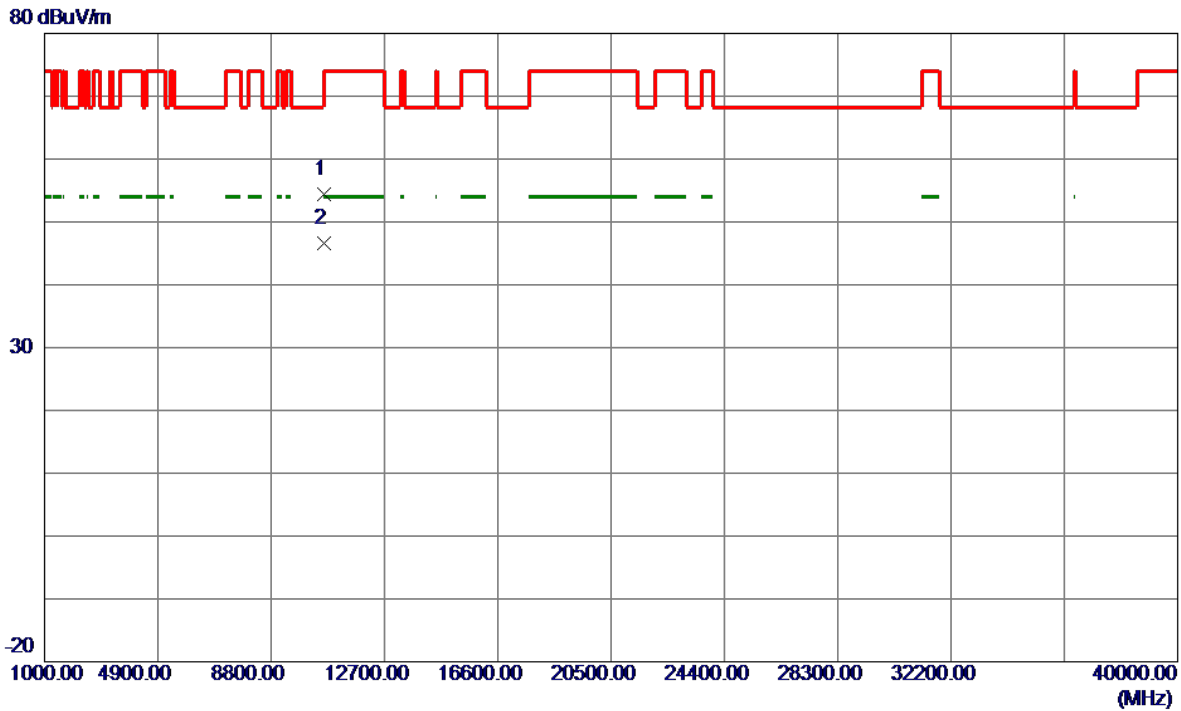


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5308.200	80.05	19.21	99.26	68.20	31.06	AVG	No Limit
2	*	5309.100	90.20	19.22	109.42	68.20	41.22	peak	No Limit
3		5350.000	42.14	19.28	61.42	74.00	-12.58	peak	
4		5350.000	32.01	19.28	51.29	54.00	-2.71	AVG	

REMARKS:

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

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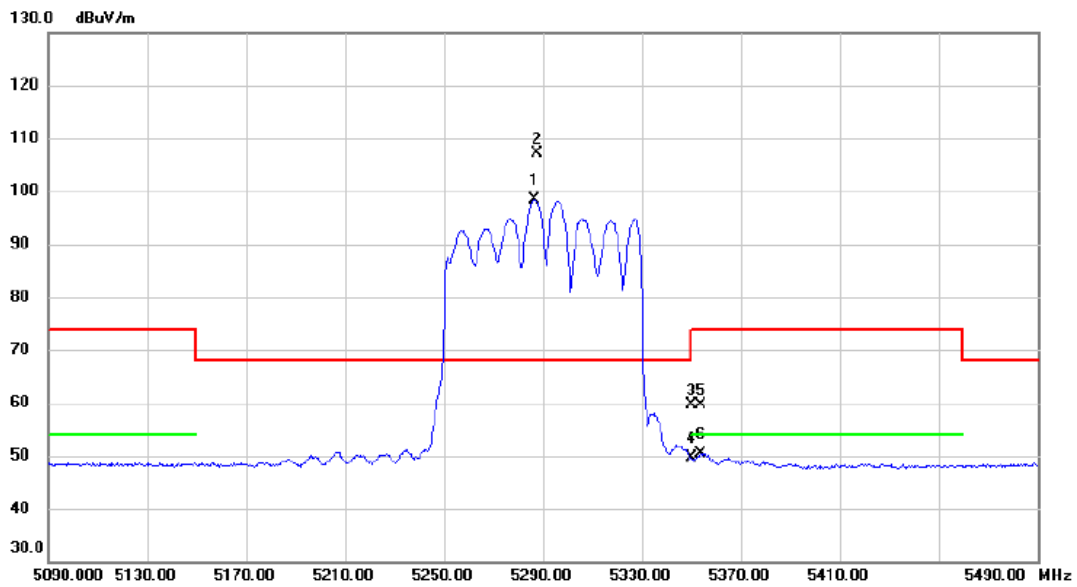


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10619.7300	37.54	16.94	54.48	74.00	-19.52	Peak	
2 *	10619.8880	29.65	16.94	46.59	54.00	-7.41	AVG	

REMARKS:

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

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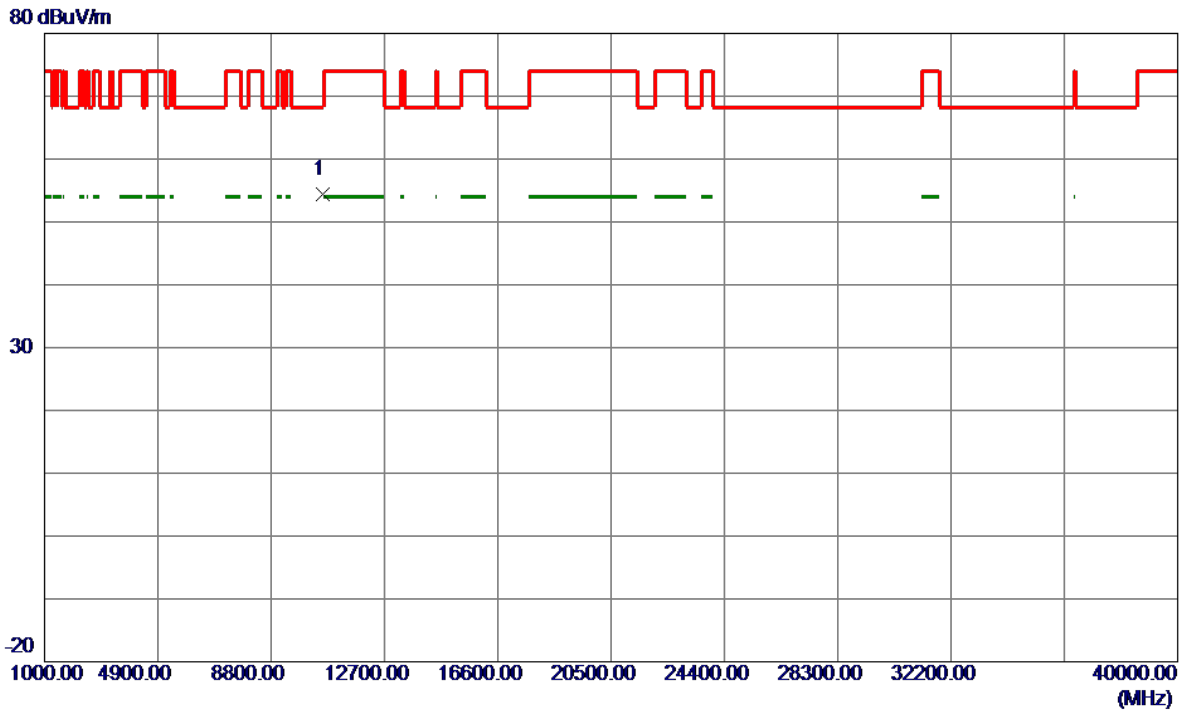


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5286.400	79.19	19.19	98.38	68.20	30.18	AVG	No Limit
2	*	5287.400	87.92	19.19	107.11	68.20	38.91	peak	No Limit
3		5350.000	40.36	19.28	59.64	74.00	-14.36	peak	
4		5350.000	30.33	19.28	49.61	54.00	-4.39	AVG	
5		5353.600	40.27	19.28	59.55	74.00	-14.45	peak	
6		5353.600	31.09	19.28	50.37	54.00	-3.63	AVG	

REMARKS:

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

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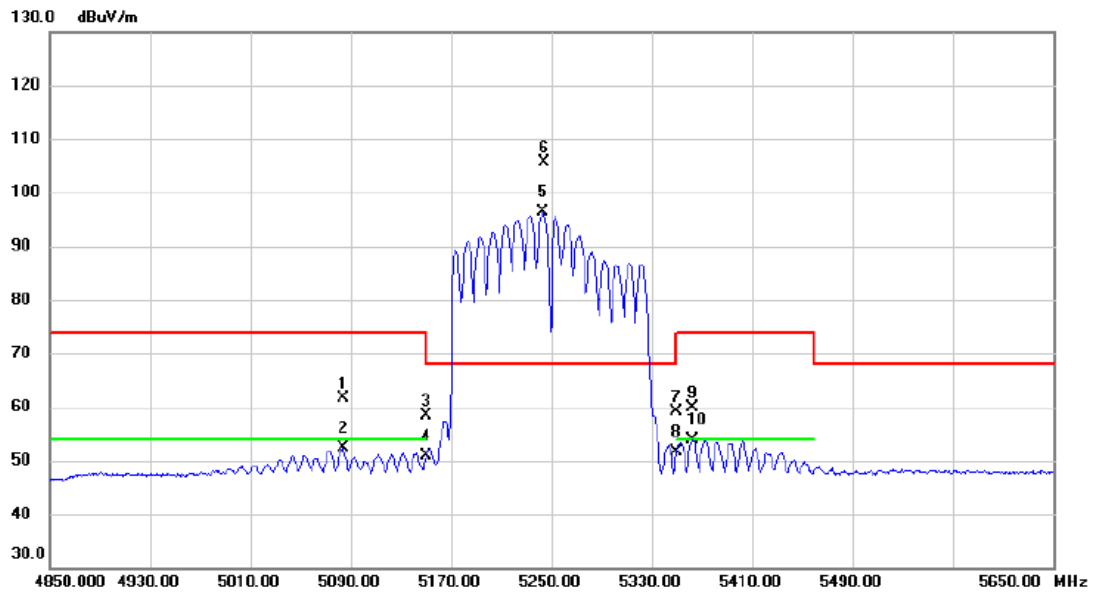


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10580.0519	37.46	16.92	54.38	68.20	-13.82	Peak	

REMARKS:

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

Test Mode	UNII-1+UNII-2A_TX AC(VHT160) Mode 5250 MHz	Polarization	Vertical
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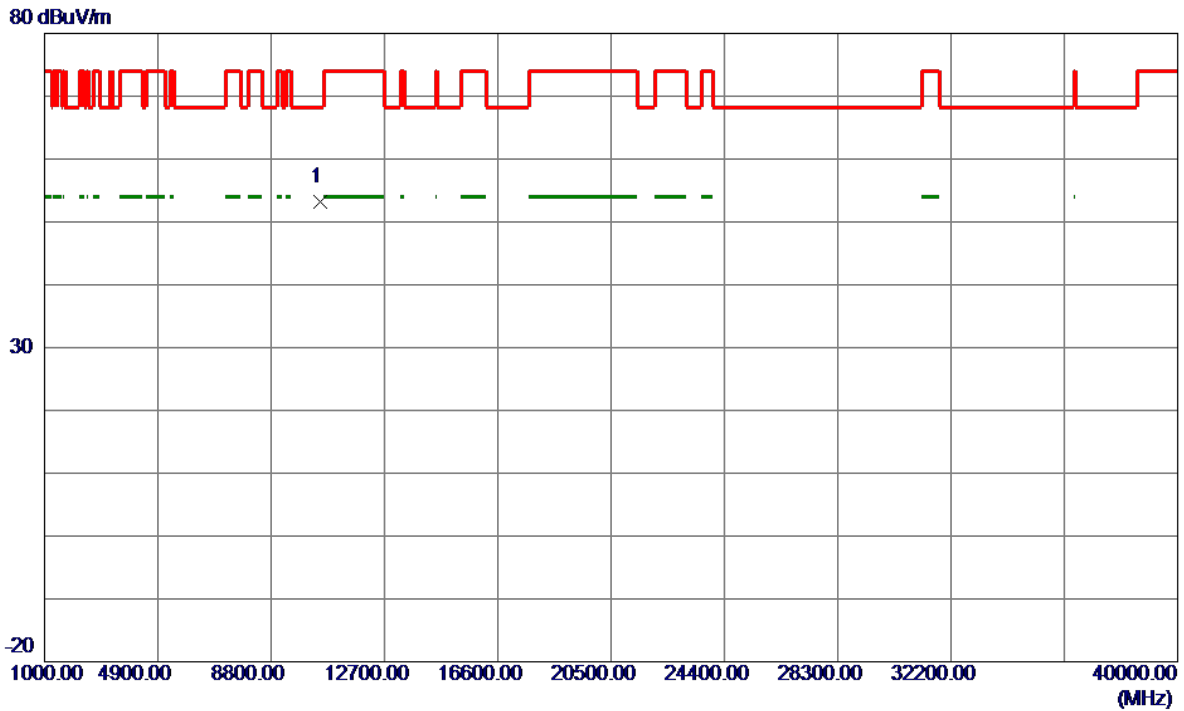


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5083.600	42.69	18.89	61.58	74.00	-12.42	peak	
2		5083.600	33.41	18.89	52.30	54.00	-1.70	AVG	
3		5150.000	39.48	18.98	58.46	74.00	-15.54	peak	
4		5150.000	31.95	18.98	50.93	54.00	-3.07	AVG	
5	X	5243.200	77.23	19.13	96.36	68.20	28.16	AVG	No Limit
6	*	5243.600	86.47	19.13	105.60	68.20	37.40	peak	No Limit
7		5350.000	39.95	19.28	59.23	74.00	-14.77	peak	
8		5350.000	32.29	19.28	51.57	54.00	-2.43	AVG	
9		5362.800	40.48	19.30	59.78	74.00	-14.22	peak	
10		5362.800	34.63	19.30	53.93	54.00	-0.07	AVG	

REMARKS:

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

Test Mode	UNII-1+UNII-2A_TX AC(VHT160) Mode 5250 MHz	Polarization	Vertical
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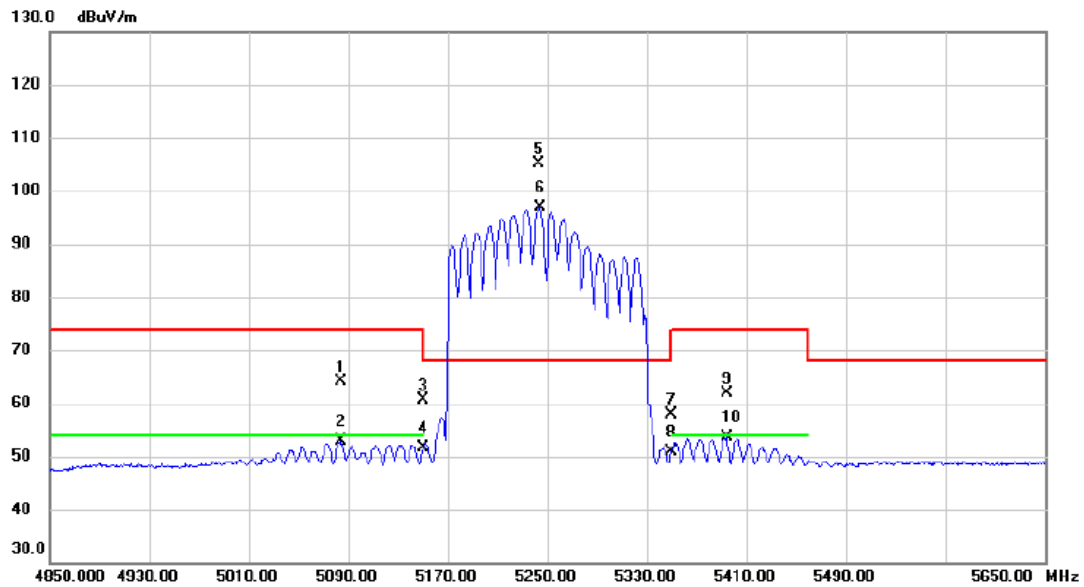


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10499.9550	36.29	16.87	53.16	68.20	-15.04	Peak	

REMARKS:

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

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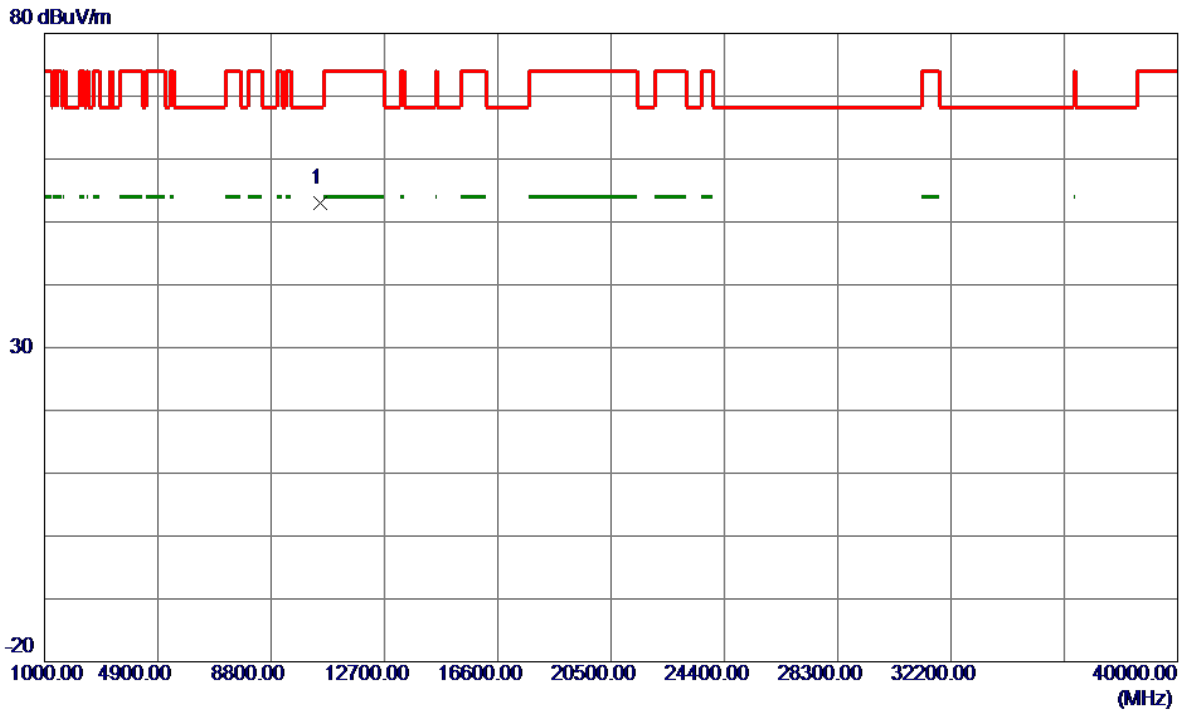


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5083.600	45.12	18.89	64.01	74.00	-9.99	peak	
2	5083.600	33.93	18.89	52.82	54.00	-1.18	AVG	
3	5150.000	41.71	18.98	60.69	74.00	-13.31	peak	
4	5150.000	32.68	18.98	51.66	54.00	-2.34	AVG	
5 *	5243.200	85.88	19.13	105.01	68.20	36.81	peak	No Limit
6 X	5243.600	77.80	19.13	96.93	68.20	28.73	AVG	No Limit
7	5350.000	38.48	19.28	57.76	74.00	-16.24	peak	
8	5350.000	31.49	19.28	50.77	54.00	-3.23	AVG	
9	5394.000	42.53	19.35	61.88	74.00	-12.12	peak	
10	5394.000	34.19	19.35	53.54	54.00	-0.46	AVG	

REMARKS:

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

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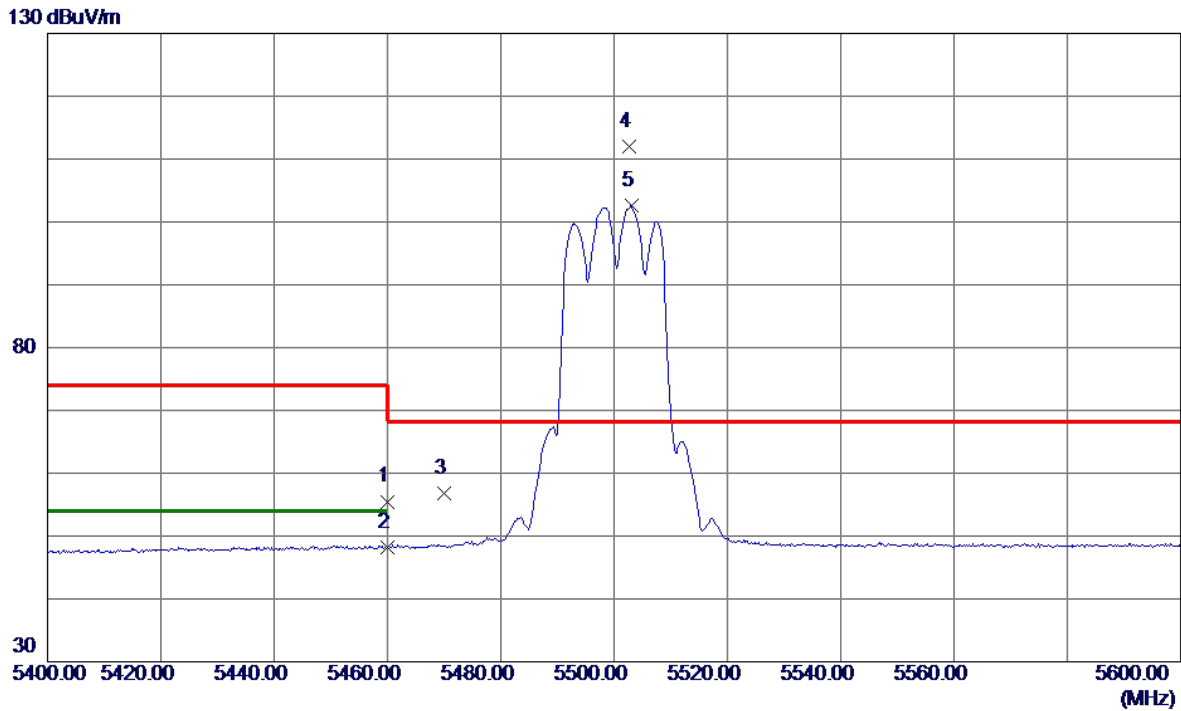


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10499.6849	36.16	16.87	53.03	68.20	-15.17	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX A Mode 5500 MHz	Polarization	Vertical
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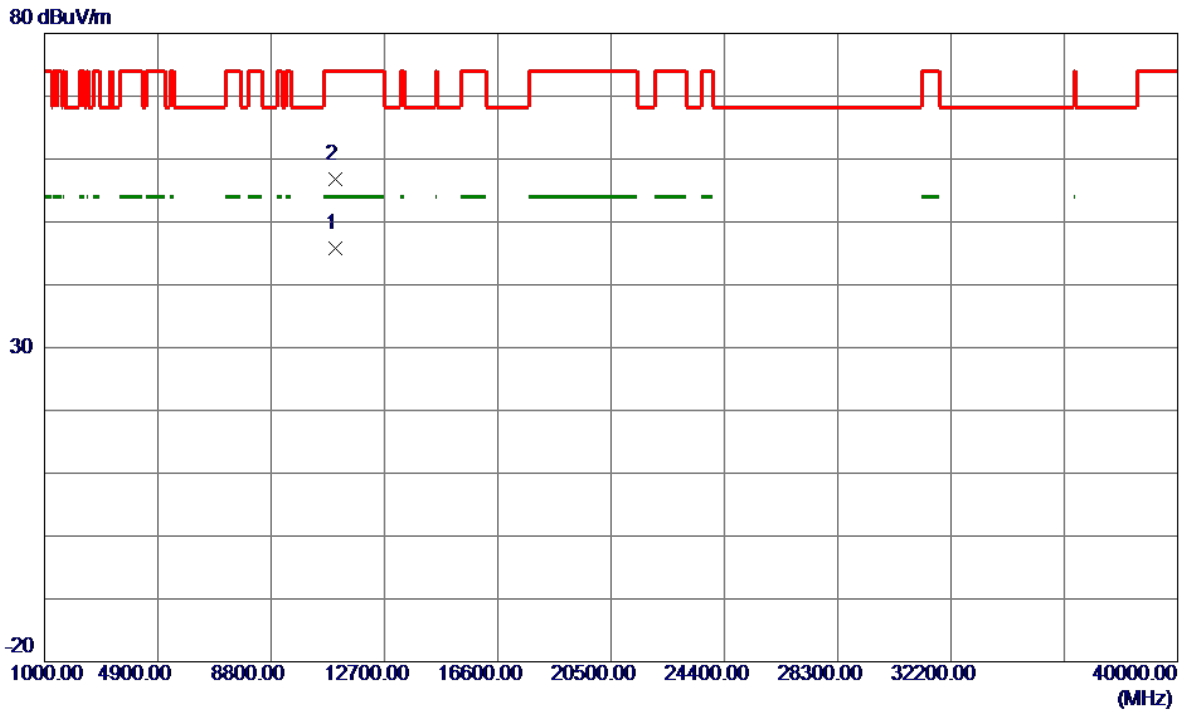


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	36.05	19.45	55.50	74.00	-18.50	Peak	
2	5460.0000	28.71	19.45	48.16	54.00	-5.84	AVG	
3	5470.0000	37.41	19.46	56.87	68.20	-11.33	Peak	
4 *	5502.6000	92.40	19.51	111.91	68.20	43.71	Peak	No Limit
5	5503.1000	83.13	19.51	102.64	999.00	-896.36	AVG	No Limit

REMARKS:

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

Test Mode	UNII-2C_TX A Mode 5500 MHz	Polarization	Vertical
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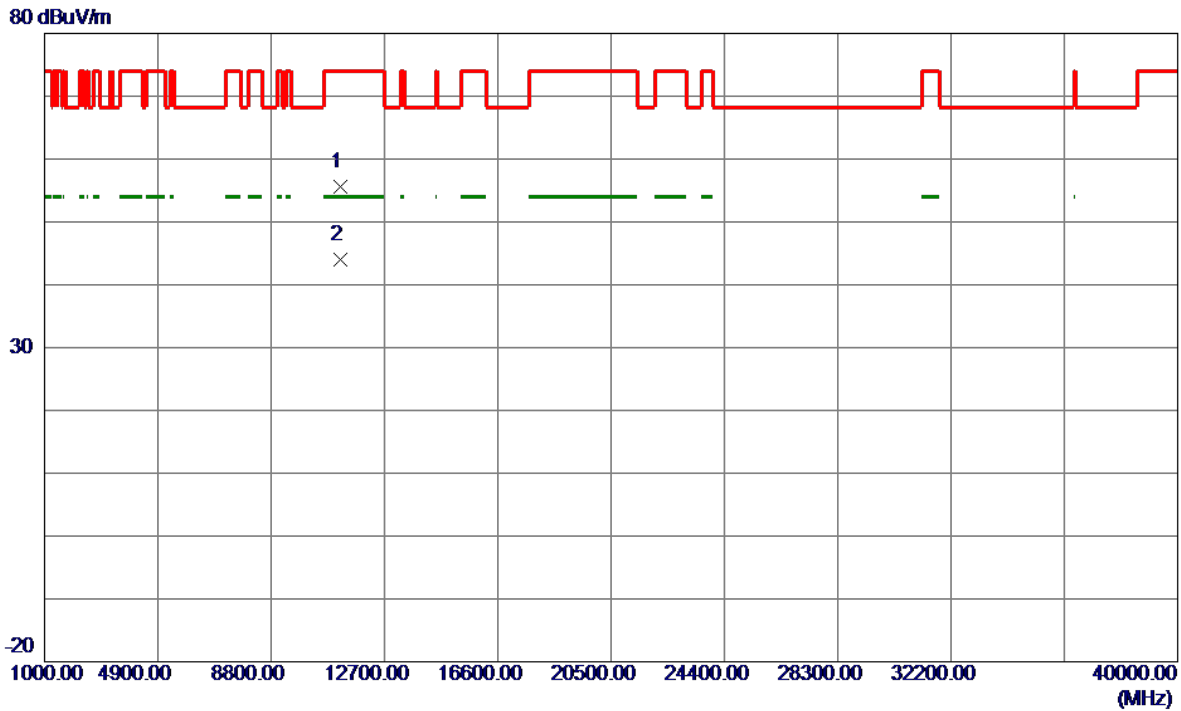


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10997.9250	28.57	17.17	45.74	54.00	-8.26	AVG	
2	10998.1750	39.60	17.17	56.77	74.00	-17.23	Peak	

REMARKS:

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

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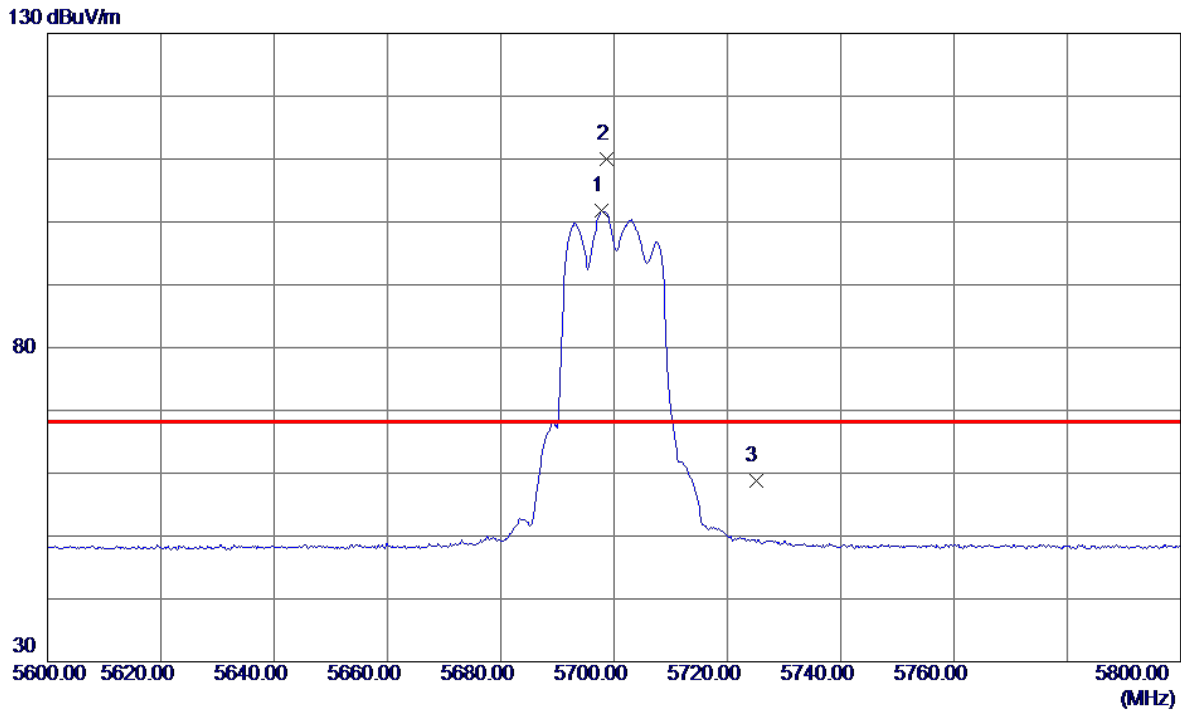


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11162.6000	38.19	17.50	55.69	74.00	-18.31	Peak	
2 *	11163.8250	26.55	17.50	44.05	54.00	-9.95	AVG	

REMARKS:

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

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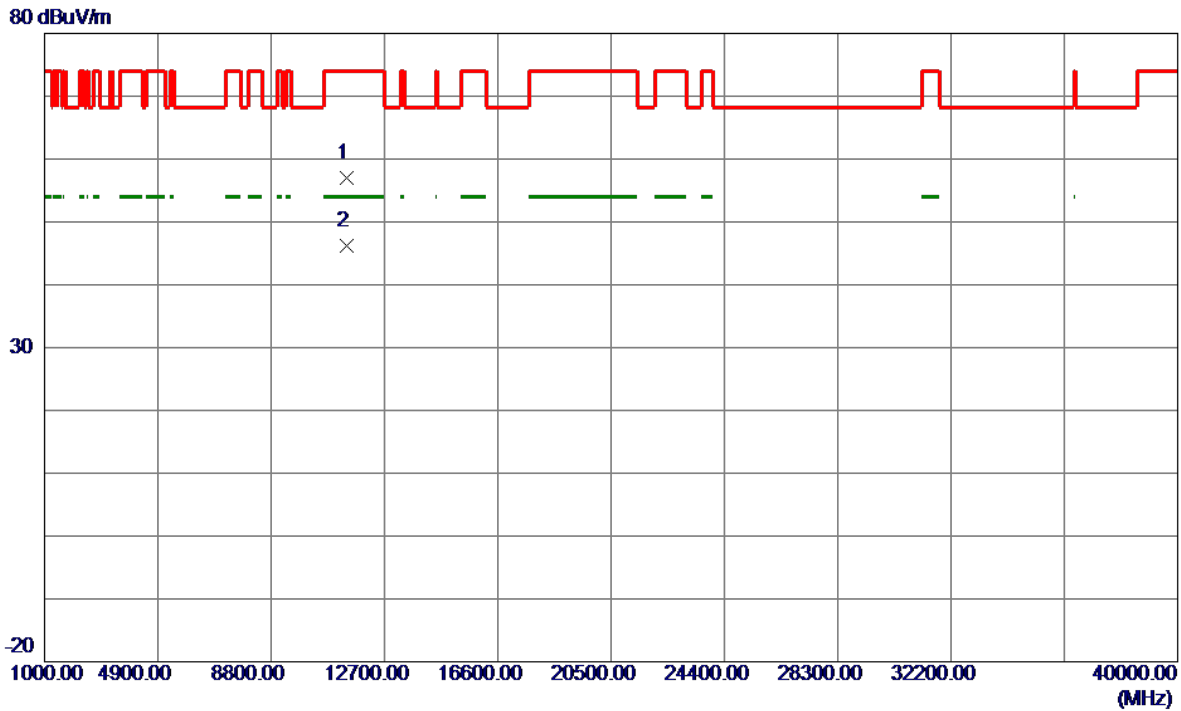


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5697.8000	82.00	19.89	101.89	999.00	-897.11	AVG	No Limit
2 *	5698.7000	90.20	19.89	110.09	68.20	41.89	Peak	No Limit
3	5725.0000	38.86	19.94	58.80	68.20	-9.40	Peak	

REMARKS:

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

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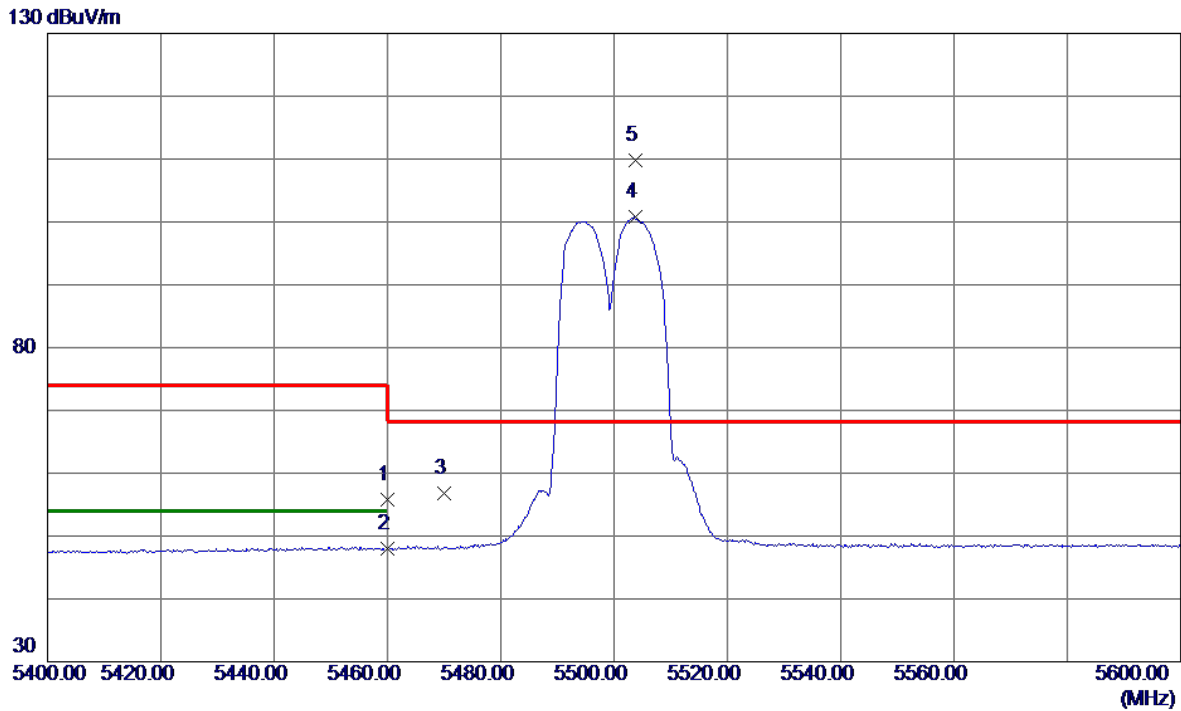


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11397.3750	38.94	17.97	56.91	74.00	-17.09	Peak	
2 *	11398.0250	28.14	17.97	46.11	54.00	-7.89	AVG	

REMARKS:

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

Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz	Polarization	Vertical
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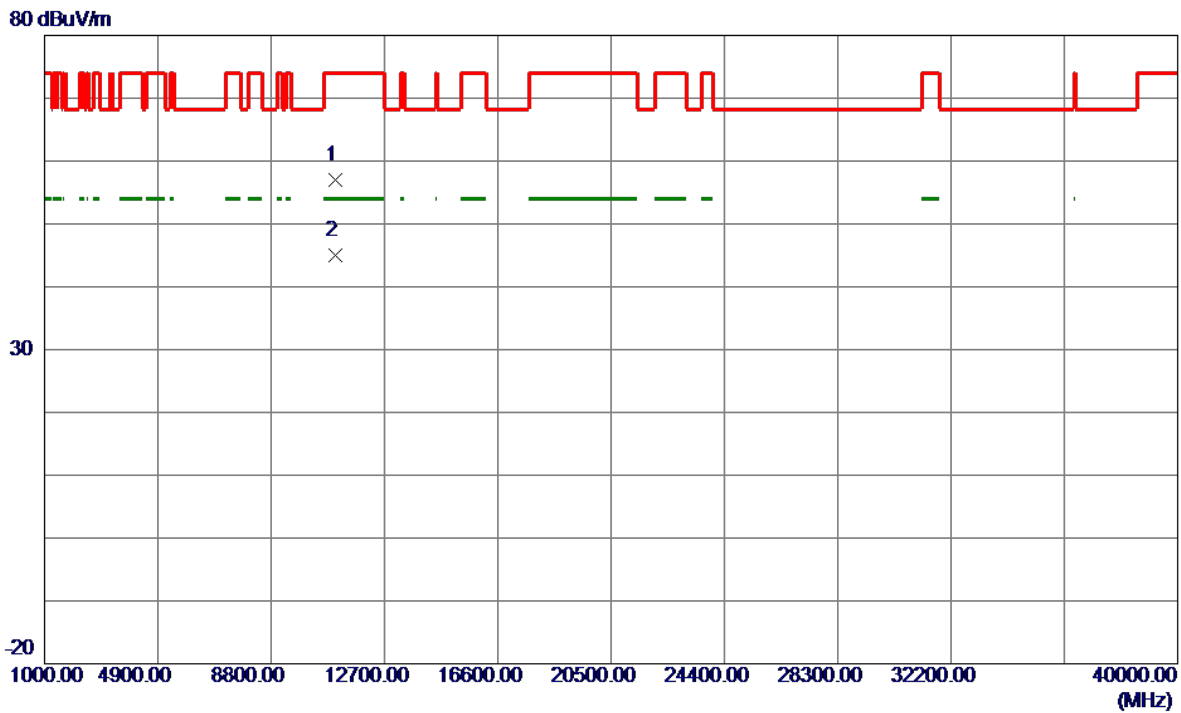


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	36.32	19.45	55.77	74.00	-18.23	Peak	
2	5460.0000	28.51	19.45	47.96	54.00	-6.04	AVG	
3	5470.0000	37.30	19.46	56.76	68.20	-11.44	Peak	
4	5503.7000	81.21	19.51	100.72	999.00	-898.28	AVG	No Limit
5 *	5503.8000	90.25	19.51	109.76	68.20	41.56	Peak	No Limit

REMARKS:

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

Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz	Polarization	Vertical
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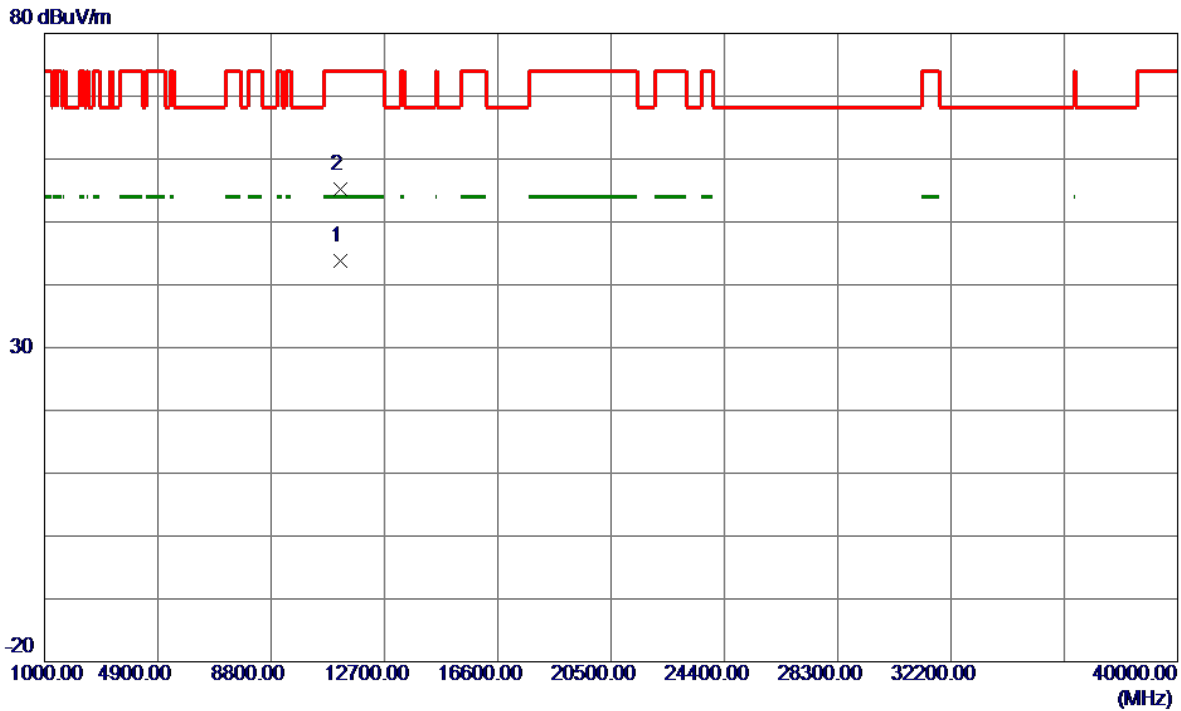


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10997.1250	39.80	17.17	56.97	74.00	-17.03	Peak	
2 *	10997.1750	27.87	17.17	45.04	54.00	-8.96	AVG	

REMARKS:

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

Test Mode	UNII-2C_TX AC(VHT20) Mode 5580 MHz	Polarization	Vertical
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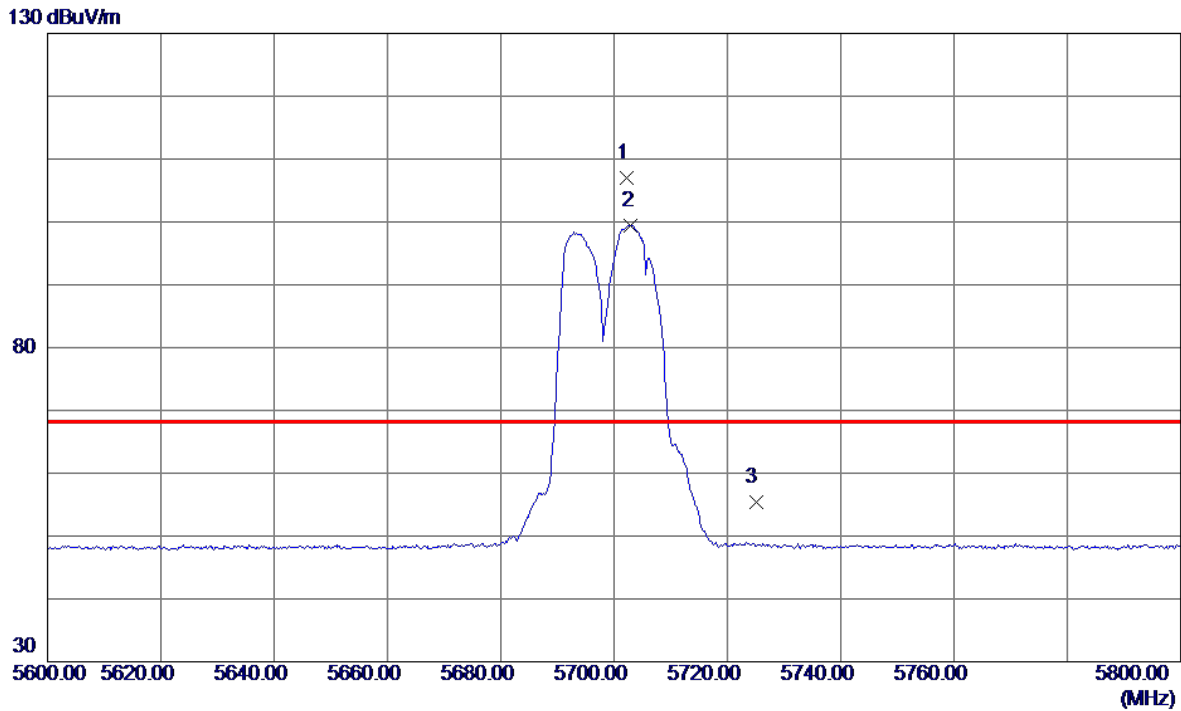


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11166.4000	26.33	17.51	43.84	54.00	-10.16	AVG	
2	11167.2500	37.70	17.51	55.21	74.00	-18.79	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AC(VHT20) Mode 5700 MHz	Polarization	Vertical
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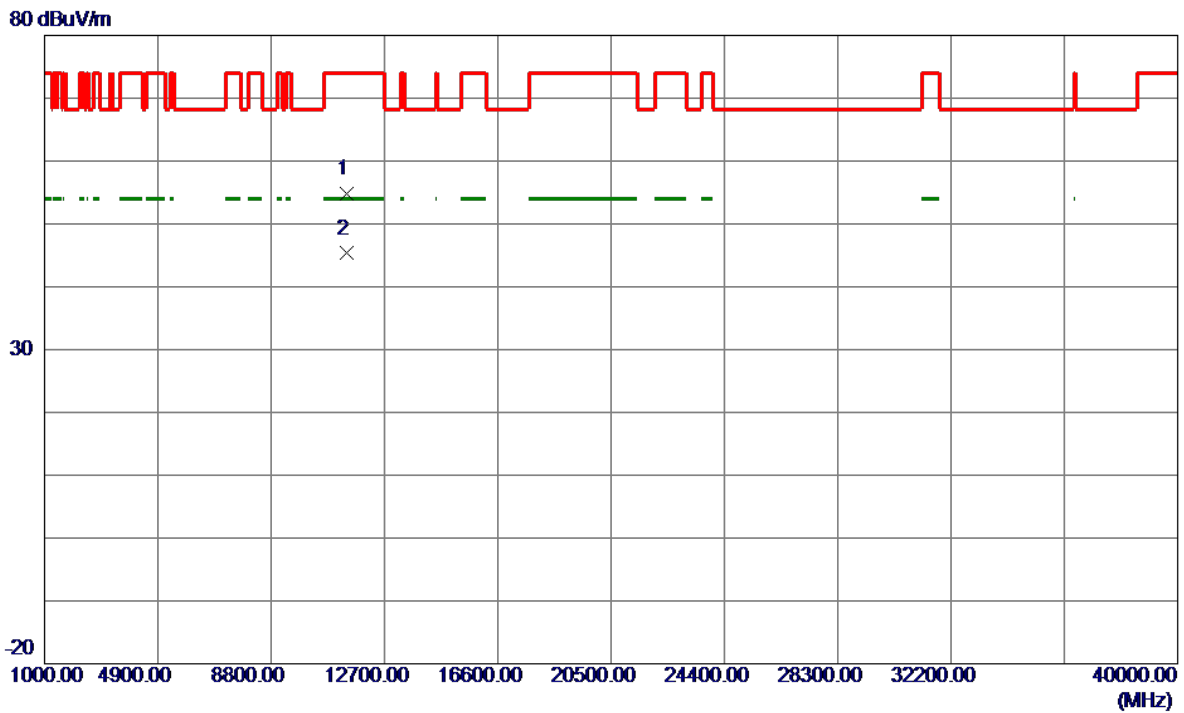


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5702.3000	87.19	19.90	107.09	68.20	38.89	Peak	No Limit
2	5703.0000	79.58	19.90	99.48	999.00	-899.52	AVG	No Limit
3	5725.0000	35.39	19.94	55.33	68.20	-12.87	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AC(VHT20) Mode 5700 MHz	Polarization	Vertical
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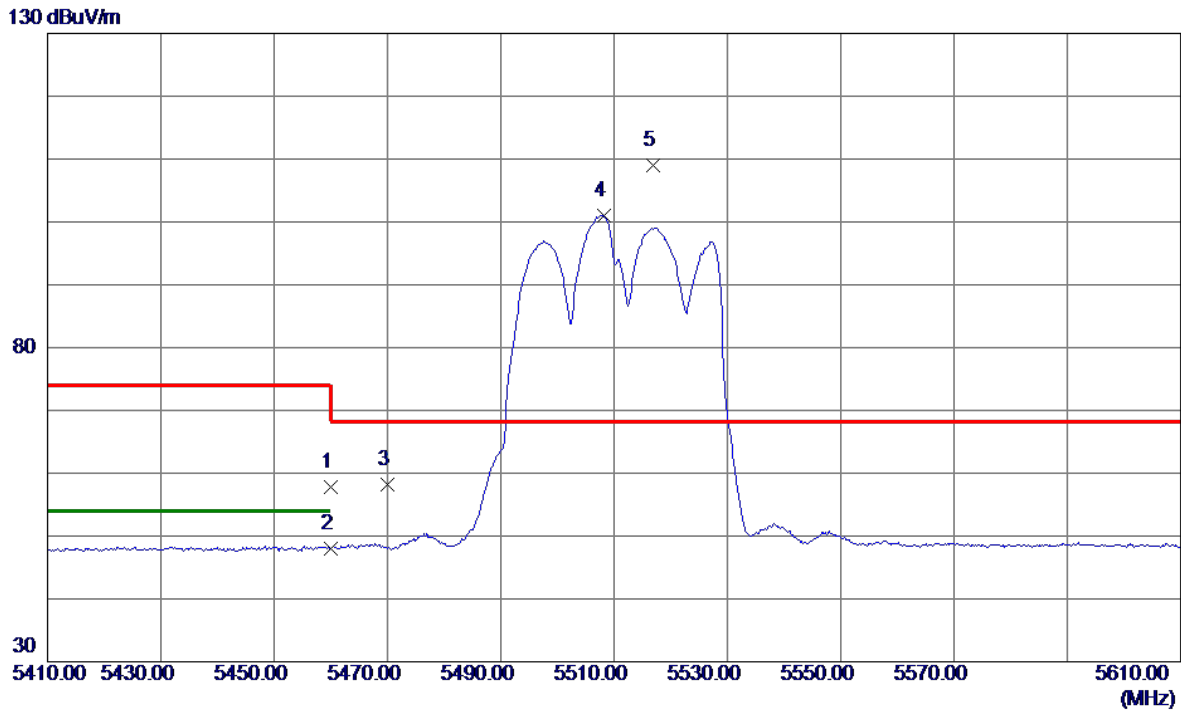


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11394.6000	36.83	17.97	54.80	74.00	-19.20	Peak	
2 *	11396.8250	27.33	17.97	45.30	54.00	-8.70	AVG	

REMARKS:

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

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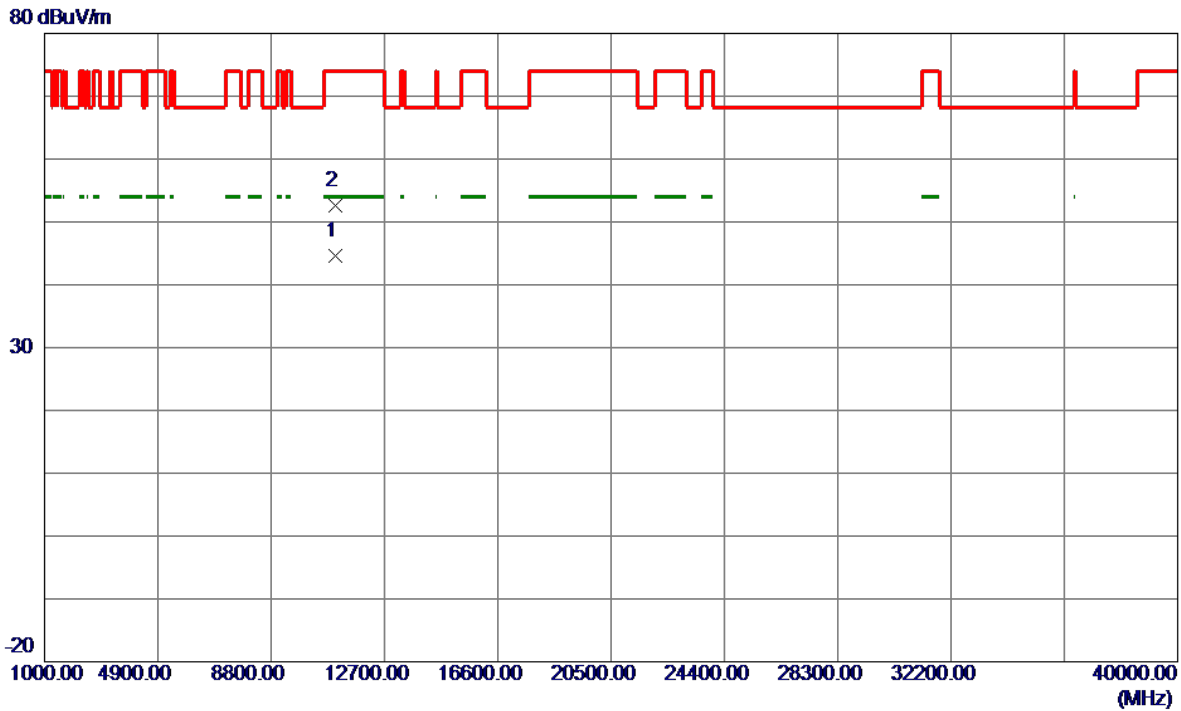


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	38.35	19.45	57.80	74.00	-16.20	Peak	
2	5460.0000	28.63	19.45	48.08	54.00	-5.92	AVG	
3	5470.0000	38.78	19.46	58.24	68.20	-9.96	Peak	
4	5508.2000	81.46	19.52	100.98	999.00	-898.02	AVG	No Limit
5 *	5516.9000	89.51	19.54	109.05	68.20	40.85	Peak	No Limit

REMARKS:

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

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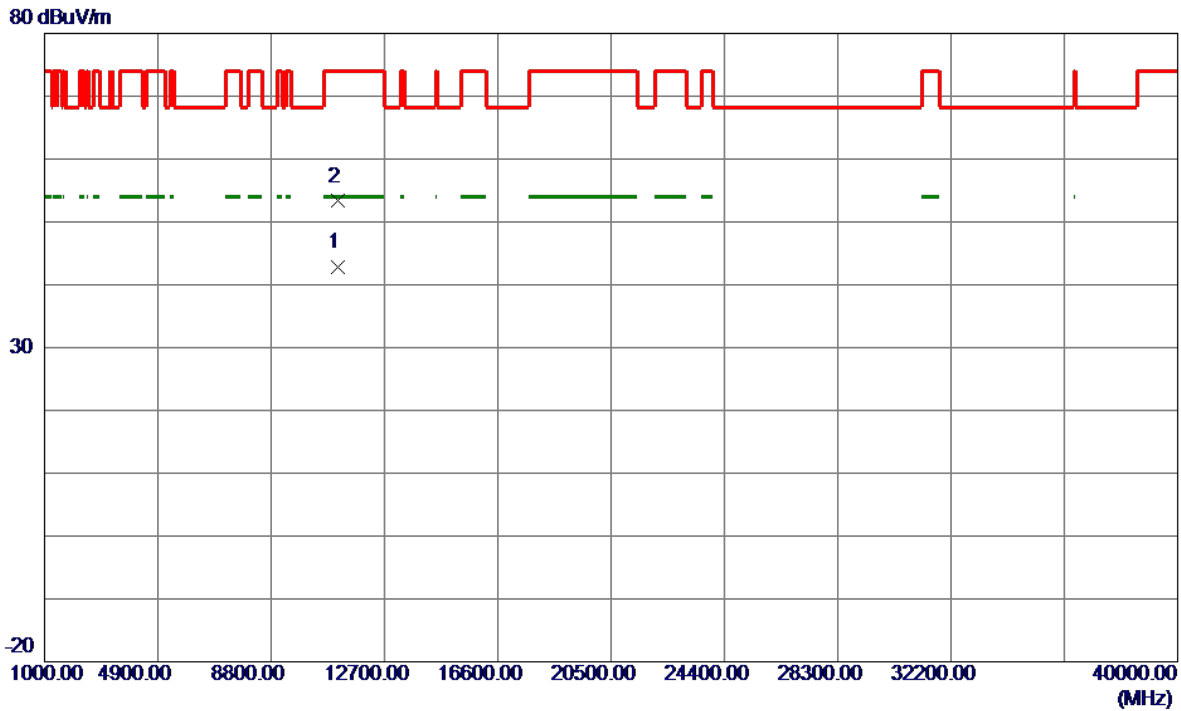


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11006.1000	27.47	17.18	44.65	54.00	-9.35	AVG	
2	11016.6500	35.31	17.20	52.51	74.00	-21.49	Peak	

REMARKS:

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

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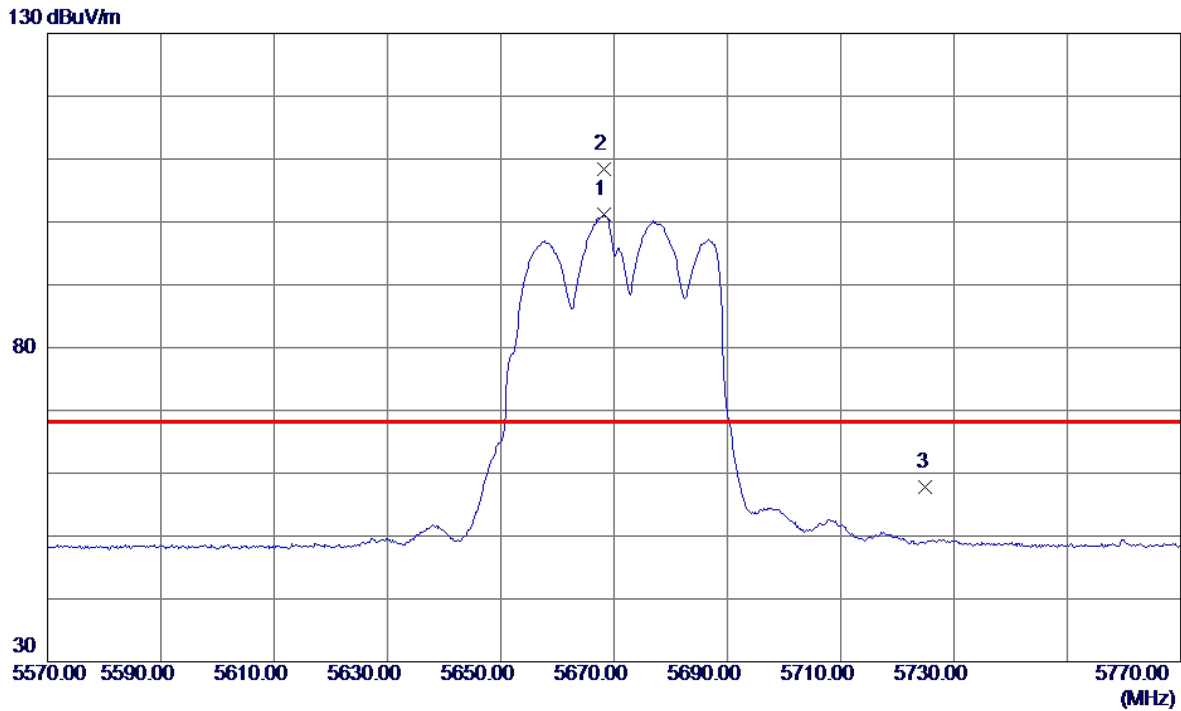


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11095.9750	25.38	17.36	42.74	54.00	-11.26	AVG	
2	11096.5500	35.94	17.36	53.30	74.00	-20.70	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AC(VHT40) Mode 5670 MHz	Polarization	Vertical
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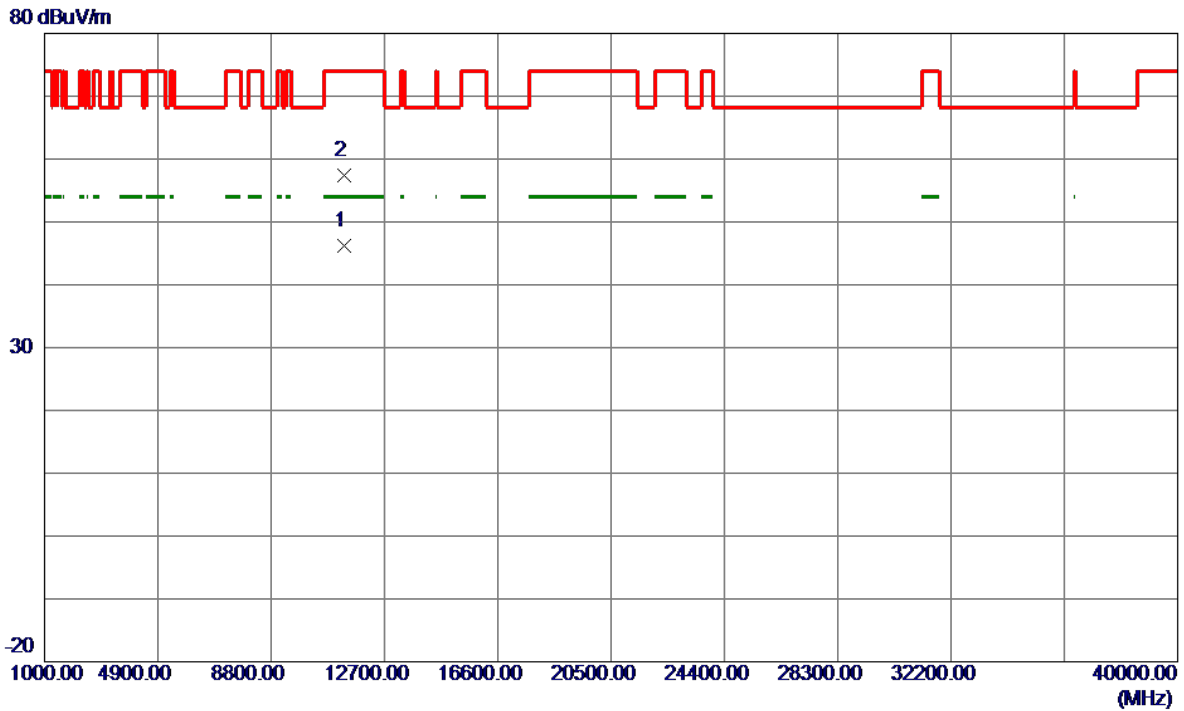


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5668.2000	81.29	19.83	101.12	999.00	-897.88	AVG	No Limit
2 *	5668.3000	88.49	19.83	108.32	68.20	40.12	Peak	No Limit
3	5725.0000	37.94	19.94	57.88	68.20	-10.32	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AC(VHT40) Mode 5670 MHz	Polarization	Vertical
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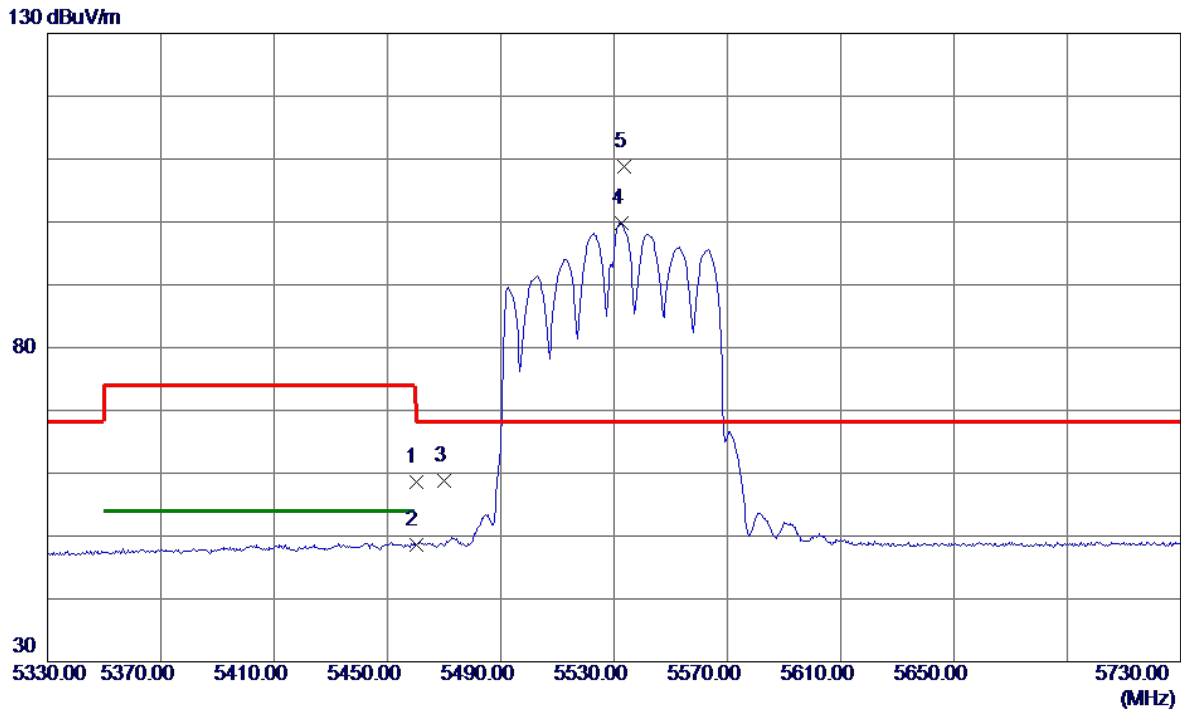


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11328.9500	28.38	17.83	46.21	54.00	-7.79	AVG	
2	11329.5750	39.55	17.84	57.39	74.00	-16.61	Peak	

REMARKS:

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

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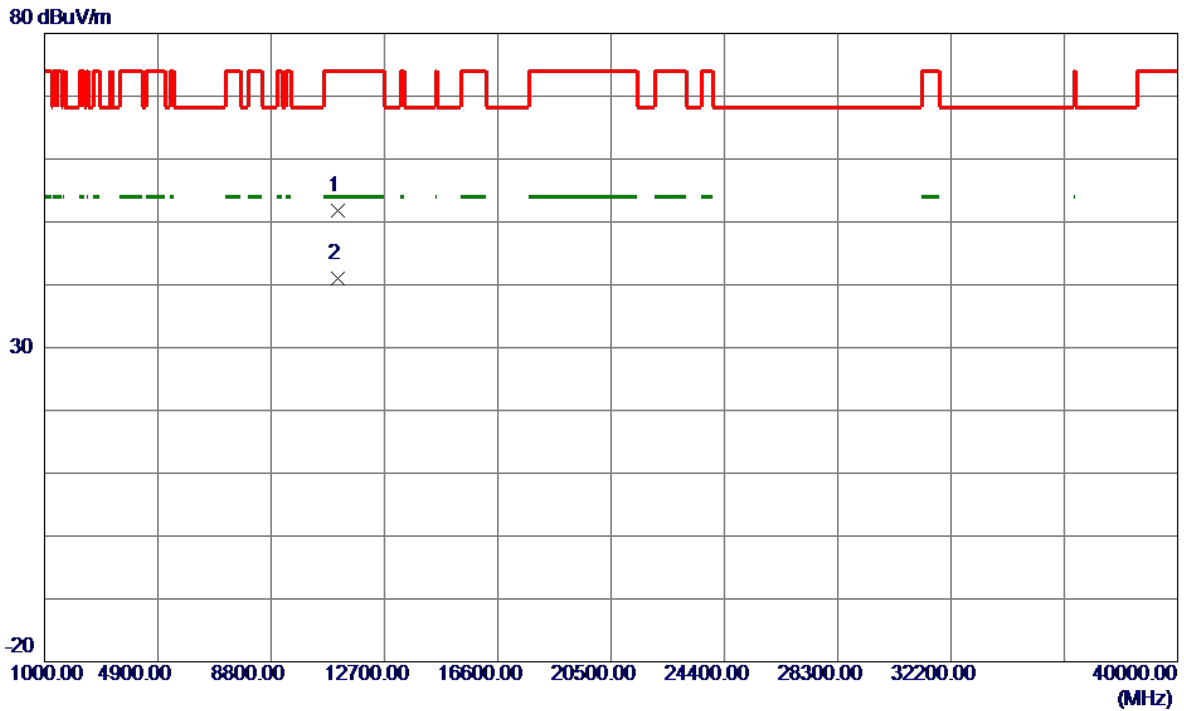


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	39.16	19.45	58.61	74.00	-15.39	Peak	
2	5460.0000	29.08	19.45	48.53	54.00	-5.47	AVG	
3	5470.0000	39.42	19.46	58.88	68.20	-9.32	Peak	
4	5532.6000	80.22	19.57	99.79	999.00	-899.21	AVG	No Limit
5 *	5533.6000	89.23	19.57	108.80	68.20	40.60	Peak	No Limit

REMARKS:

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

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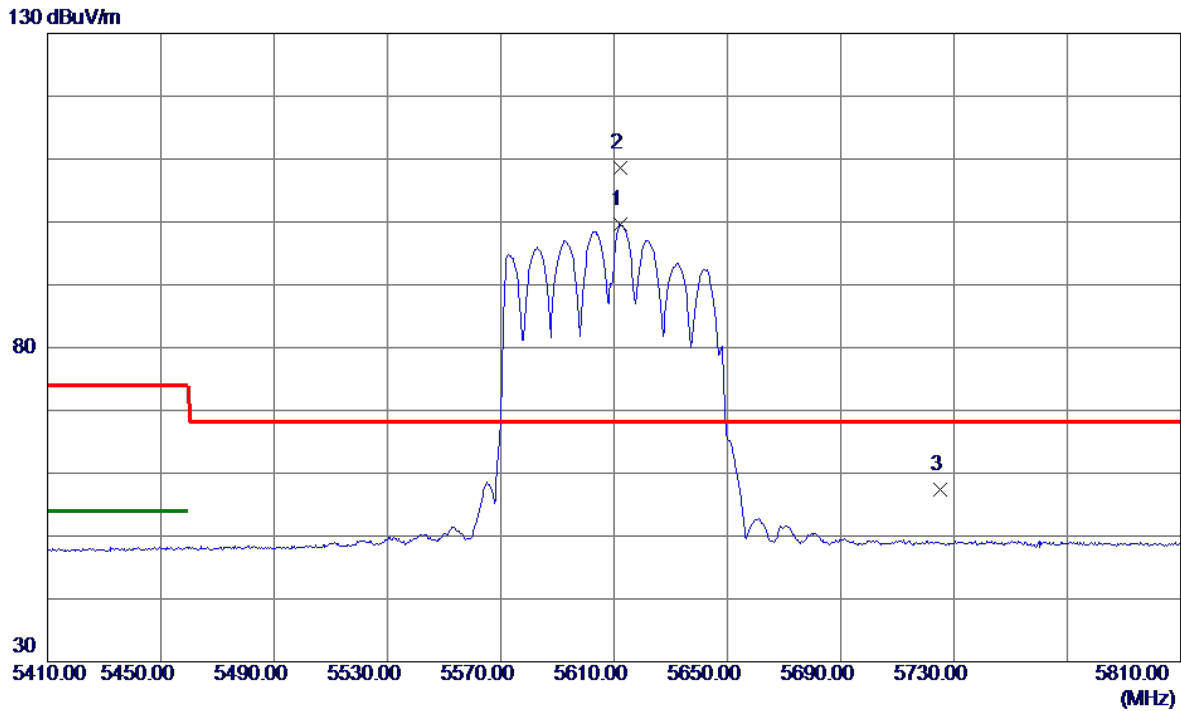


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11076.8000	34.50	17.33	51.83	74.00	-22.17	Peak	
2 *	11085.4500	23.61	17.34	40.95	54.00	-13.05	AVG	

REMARKS:

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

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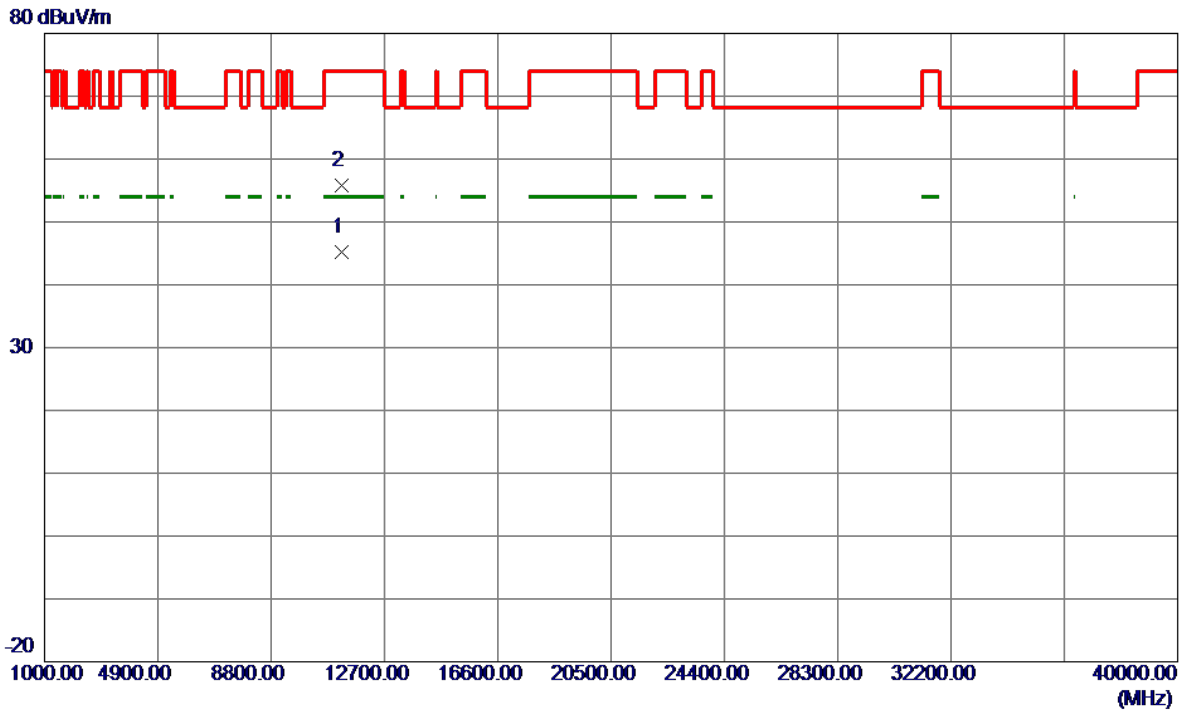


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5612.2000	79.81	19.72	99.53	999.00	-899.47	AVG	No Limit
2 *	5612.4000	88.91	19.72	108.63	68.20	40.43	Peak	No Limit
3	5725.0000	37.48	19.94	57.42	68.20	-10.78	Peak	

REMARKS:

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

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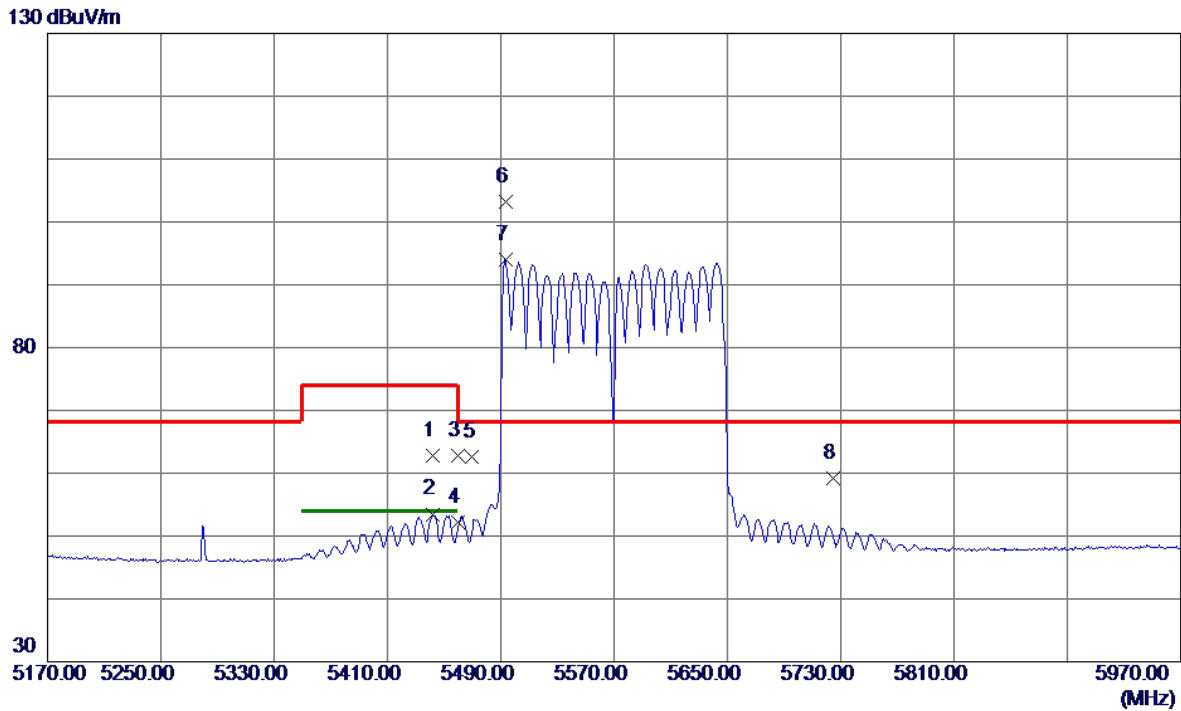


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11216.8000	27.64	17.61	45.25	54.00	-8.75	AVG	
2	11218.8000	38.17	17.61	55.78	74.00	-18.22	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AC(VHT160) Mode 5570 MHz	Polarization	Vertical
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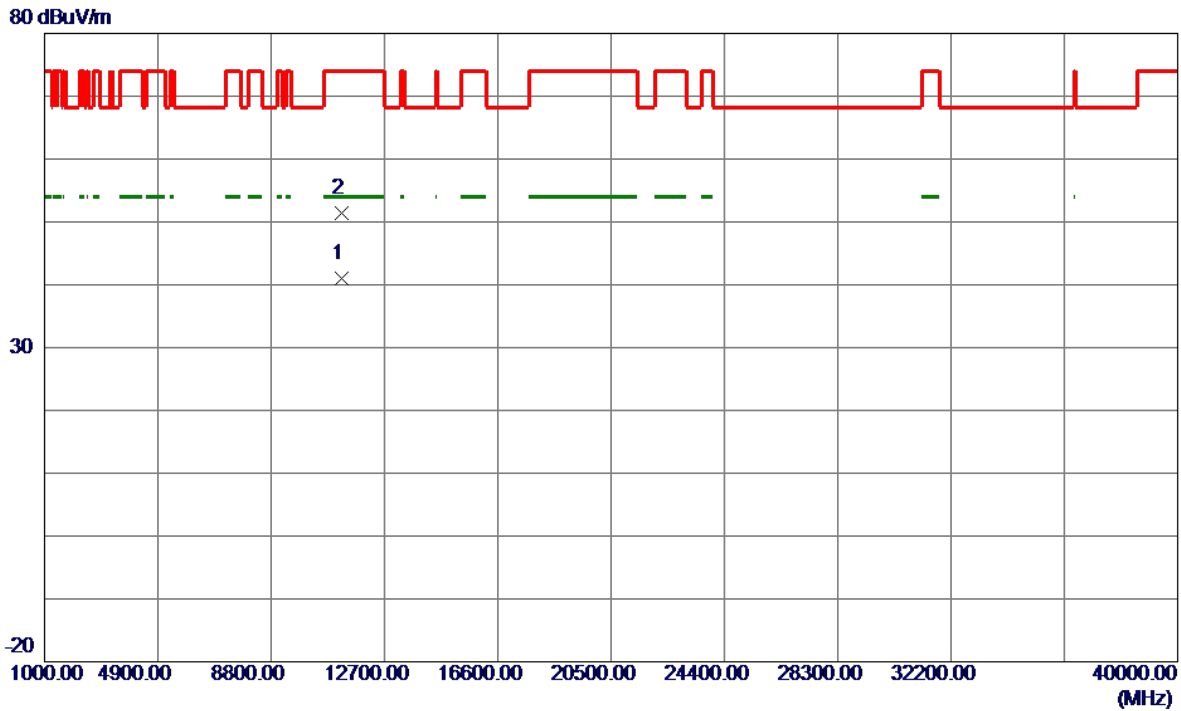


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5442.0000	44.14	18.75	62.89	74.00	-11.11	Peak	
2	5442.0000	34.75	18.75	53.50	54.00	-0.50	AVG	
3	5460.0000	43.94	18.79	62.73	74.00	-11.27	Peak	
4	5460.0000	33.40	18.79	52.19	54.00	-1.81	AVG	
5	5470.0000	43.70	18.81	62.51	68.20	-5.69	Peak	
6 *	5493.2000	84.26	18.86	103.12	68.20	34.92	Peak	No Limit
7	5493.2000	75.17	18.86	94.03	999.00	-904.97	AVG	No Limit
8	5725.0000	39.77	19.50	59.27	68.20	-8.93	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AC(VHT160) Mode 5570 MHz	Polarization	Vertical
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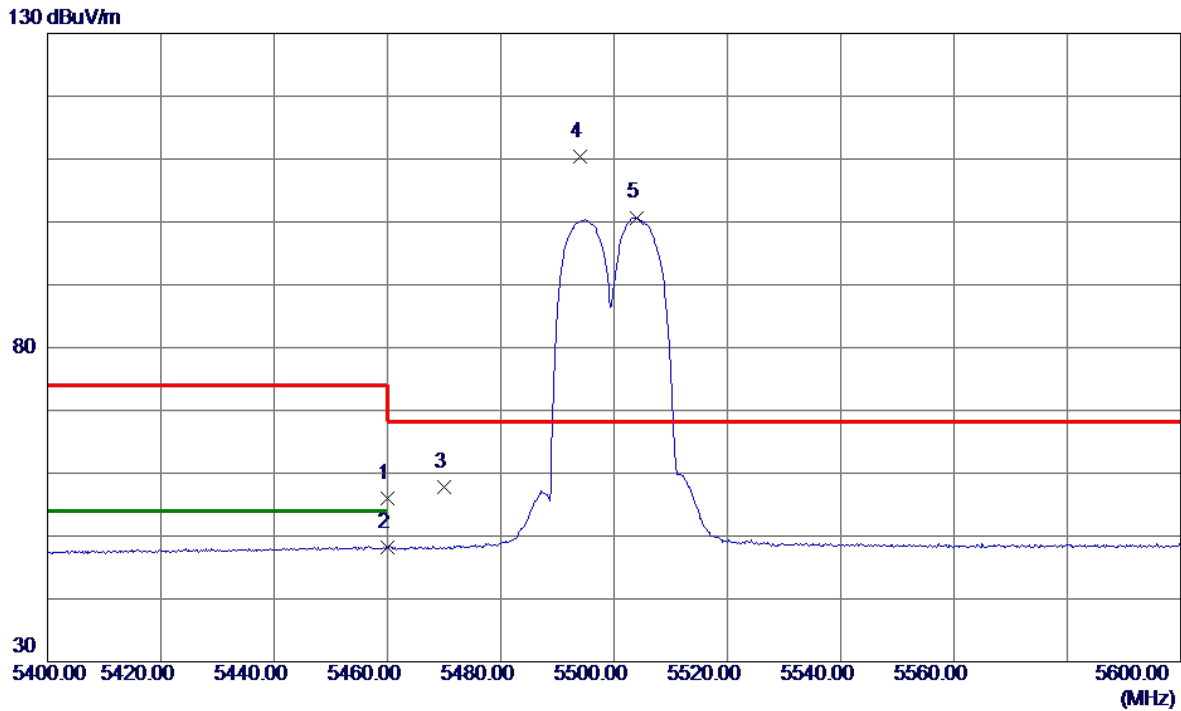


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11216.2000	23.43	17.61	41.04	54.00	-12.96	AVG	
2	11217.0000	33.73	17.61	51.34	74.00	-22.66	Peak	

REMARKS:

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

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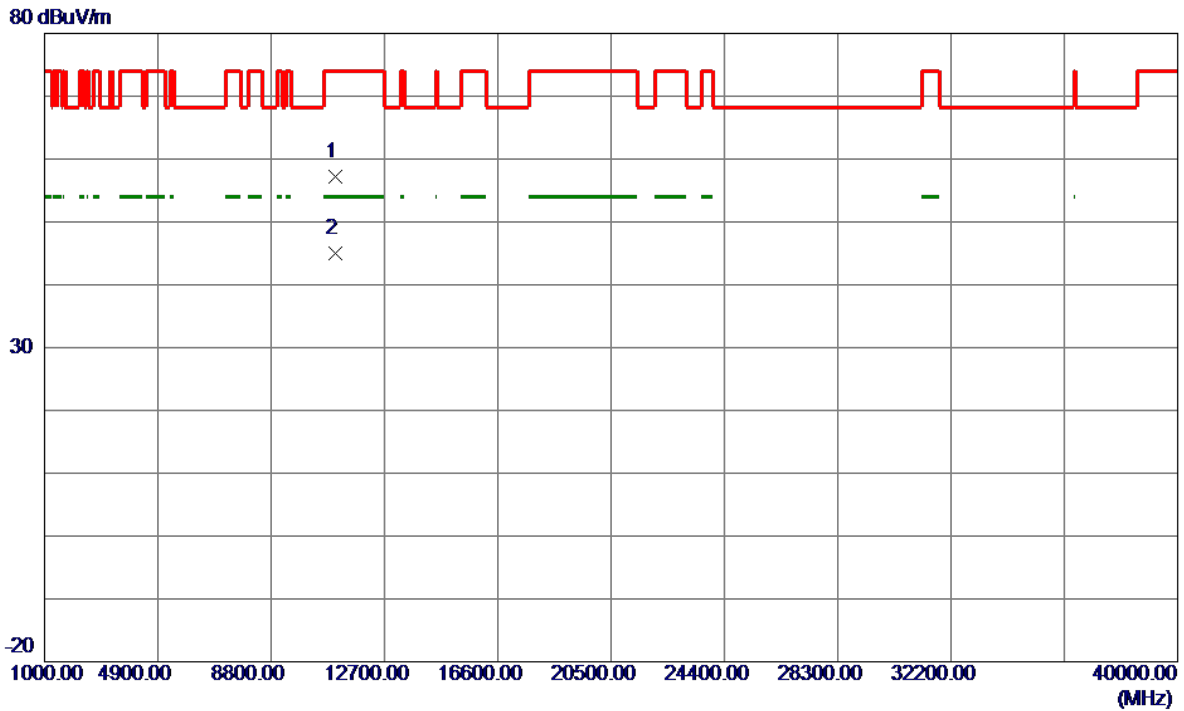


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	36.47	19.45	55.92	74.00	-18.08	Peak	
2	5460.0000	28.82	19.45	48.27	54.00	-5.73	AVG	
3	5470.0000	38.27	19.46	57.73	68.20	-10.47	Peak	
4 *	5494.1000	90.86	19.50	110.36	68.20	42.16	Peak	No Limit
5	5503.9000	81.19	19.51	100.70	999.00	-898.30	AVG	No Limit

REMARKS:

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

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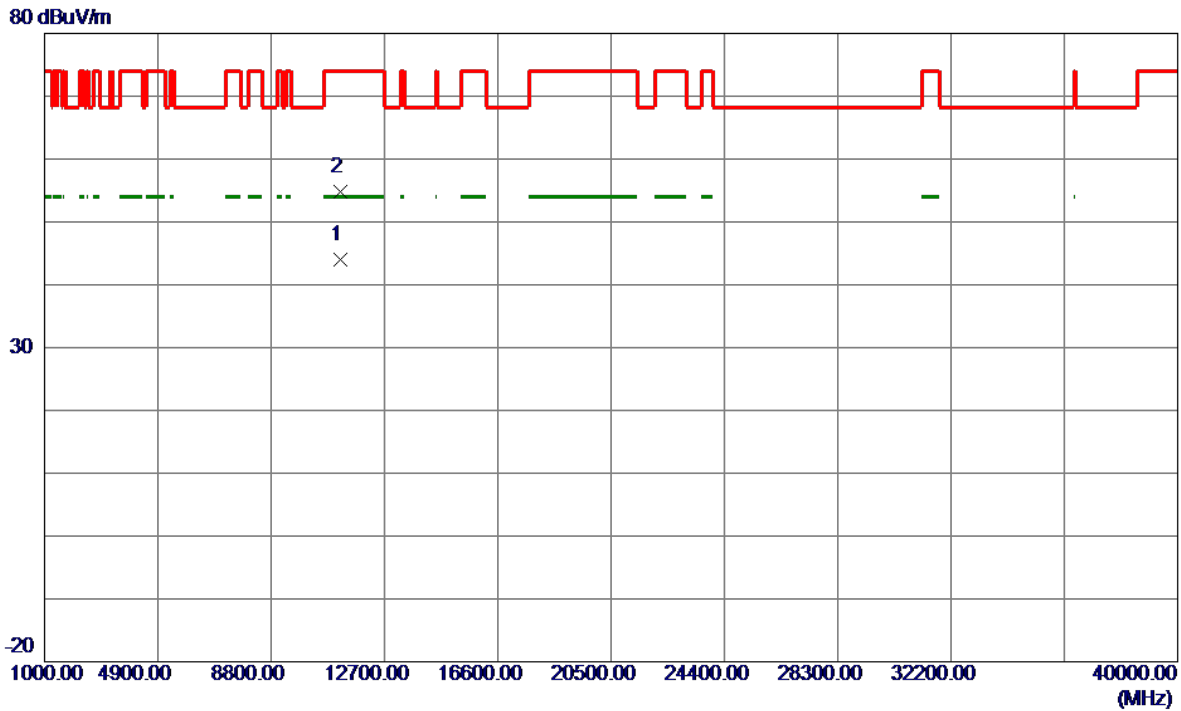


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10997.0750	40.04	17.17	57.21	74.00	-16.79	Peak	
2 *	10997.2250	27.89	17.17	45.06	54.00	-8.94	AVG	

REMARKS:

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

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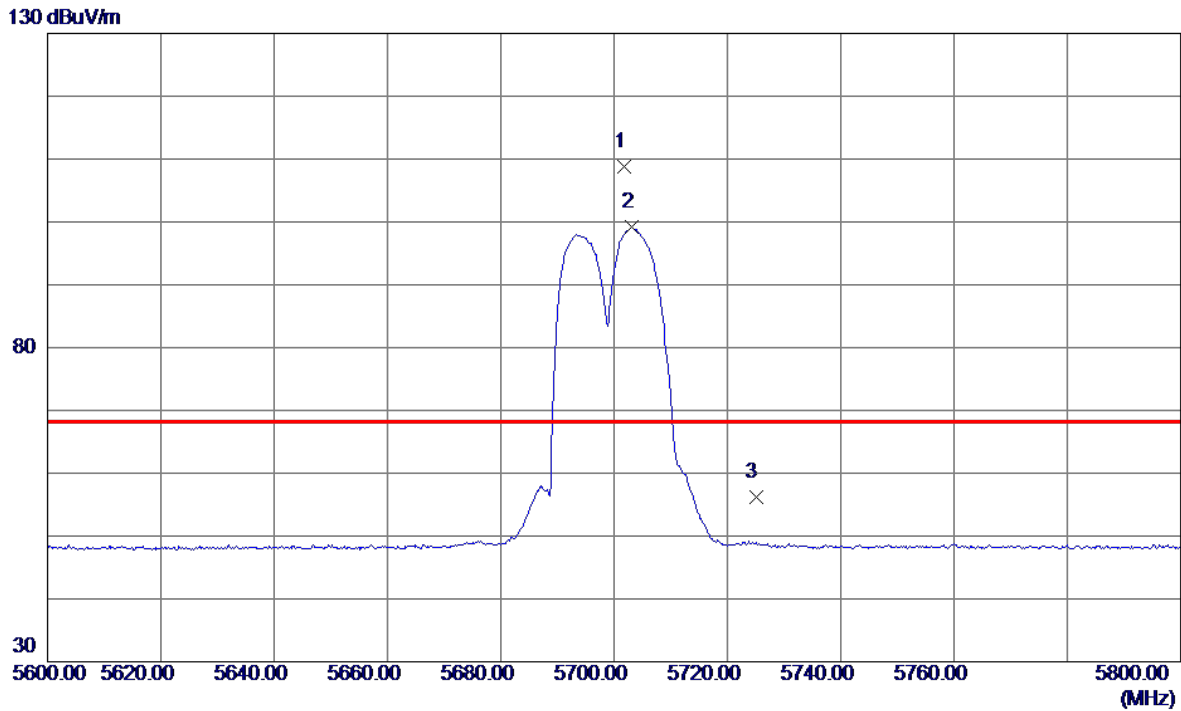


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11166.3750	26.58	17.51	44.09	54.00	-9.91	AVG	
2	11166.7750	37.32	17.51	54.83	74.00	-19.17	Peak	

REMARKS:

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

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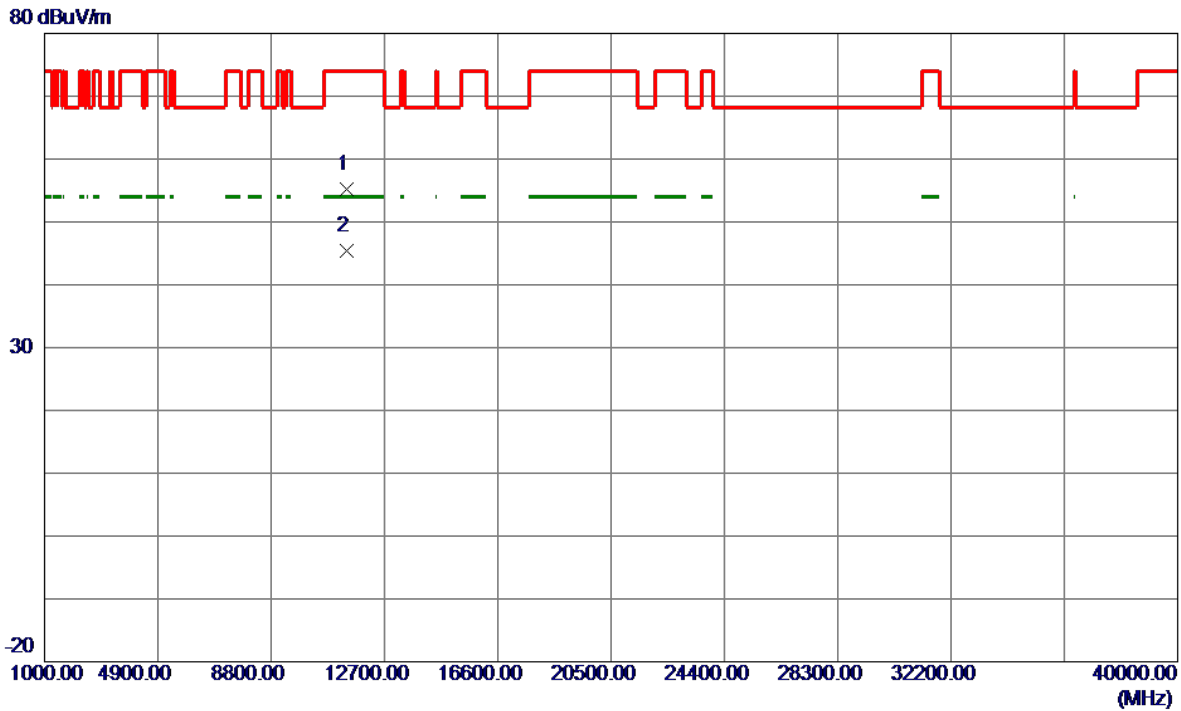


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5701.7000	88.94	19.90	108.84	68.20	40.64	Peak	No Limit
2	5703.2000	79.21	19.90	99.11	999.00	-899.89	AVG	No Limit
3	5725.0000	36.30	19.94	56.24	68.20	-11.96	Peak	

REMARKS:

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

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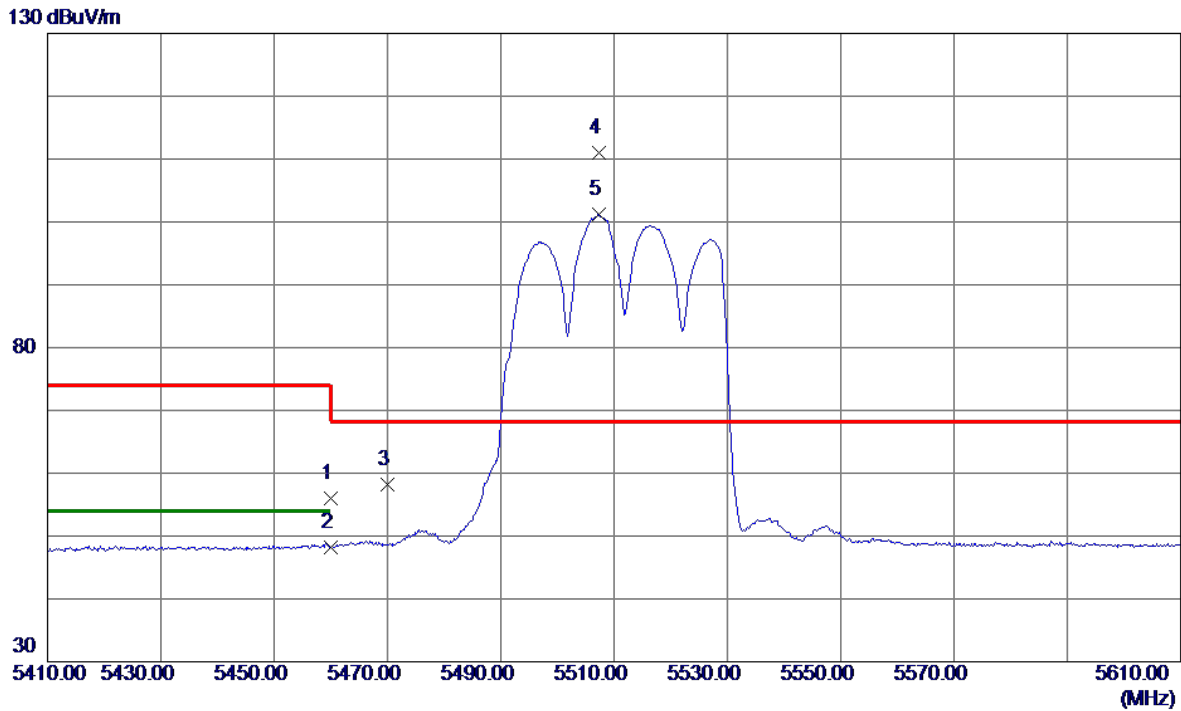


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11395.5750	37.31	17.97	55.28	74.00	-18.72	Peak	
2 *	11396.4250	27.49	17.97	45.46	54.00	-8.54	AVG	

REMARKS:

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

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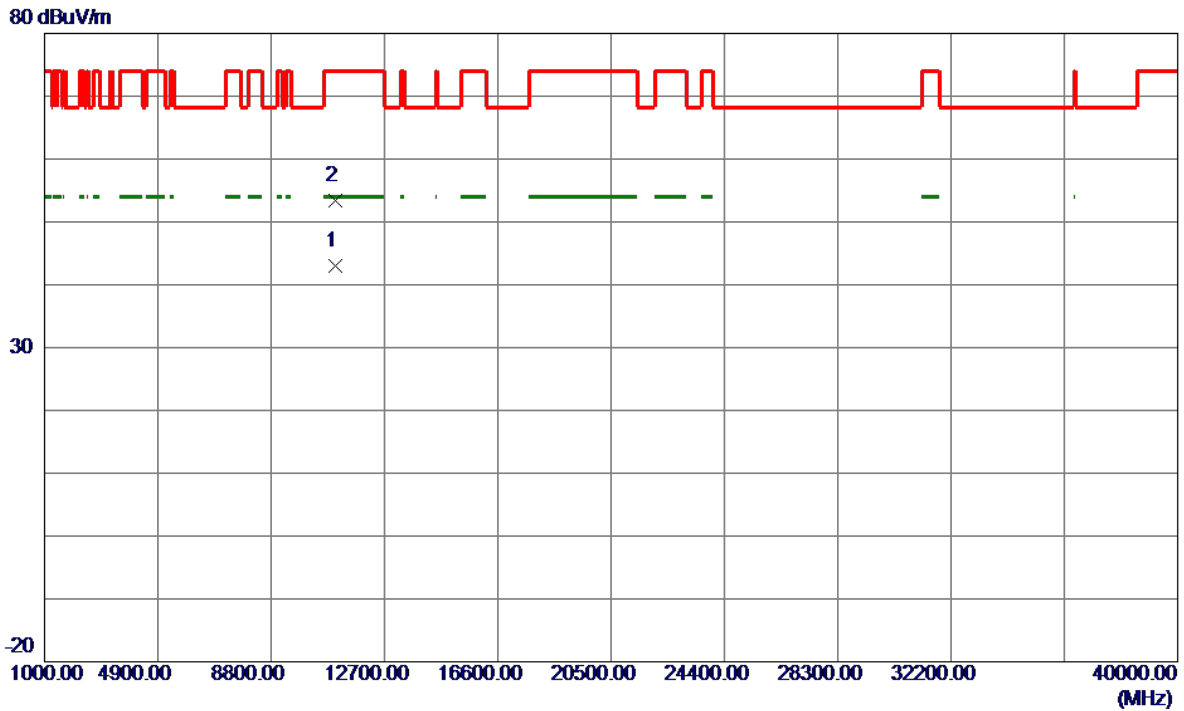


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	36.55	19.45	56.00	74.00	-18.00	Peak	
2	5460.0000	28.82	19.45	48.27	54.00	-5.73	AVG	
3	5470.0000	38.75	19.46	58.21	68.20	-9.99	Peak	
4 *	5507.3000	91.45	19.52	110.97	68.20	42.77	Peak	No Limit
5	5507.4000	81.61	19.52	101.13	999.00	-897.87	AVG	No Limit

REMARKS:

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

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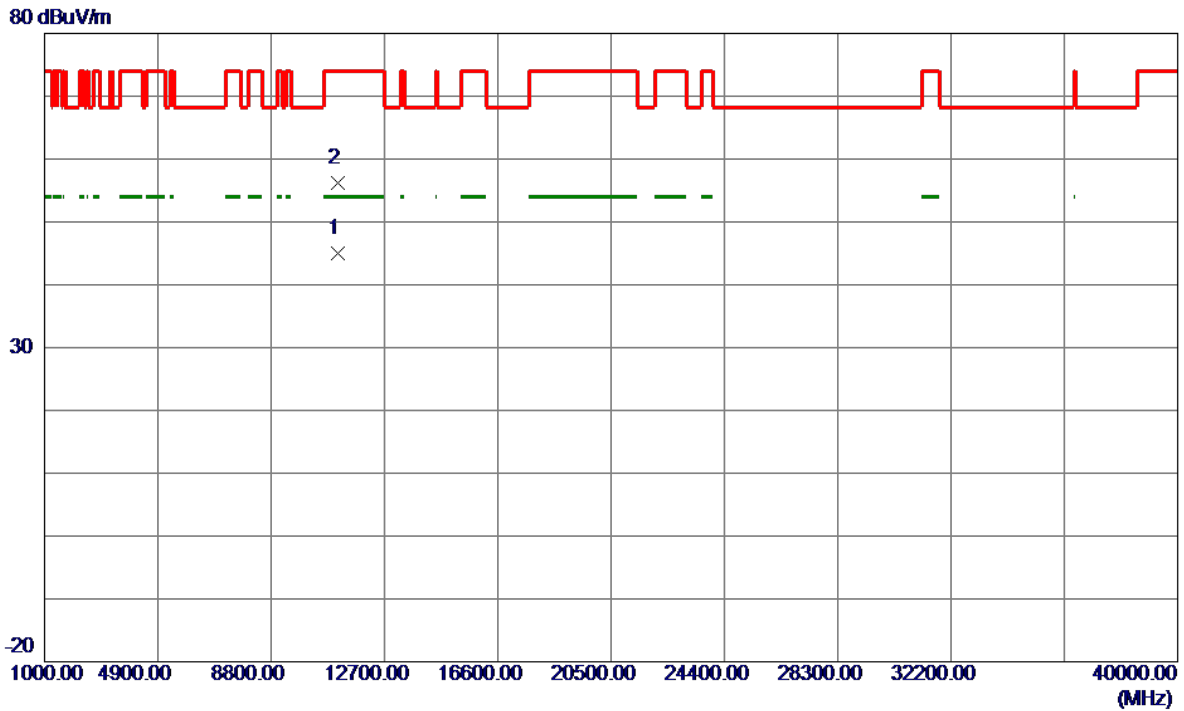


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11017.2250	25.73	17.20	42.93	54.00	-11.07	AVG	
2	11017.2750	36.24	17.20	53.44	74.00	-20.56	Peak	

REMARKS:

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

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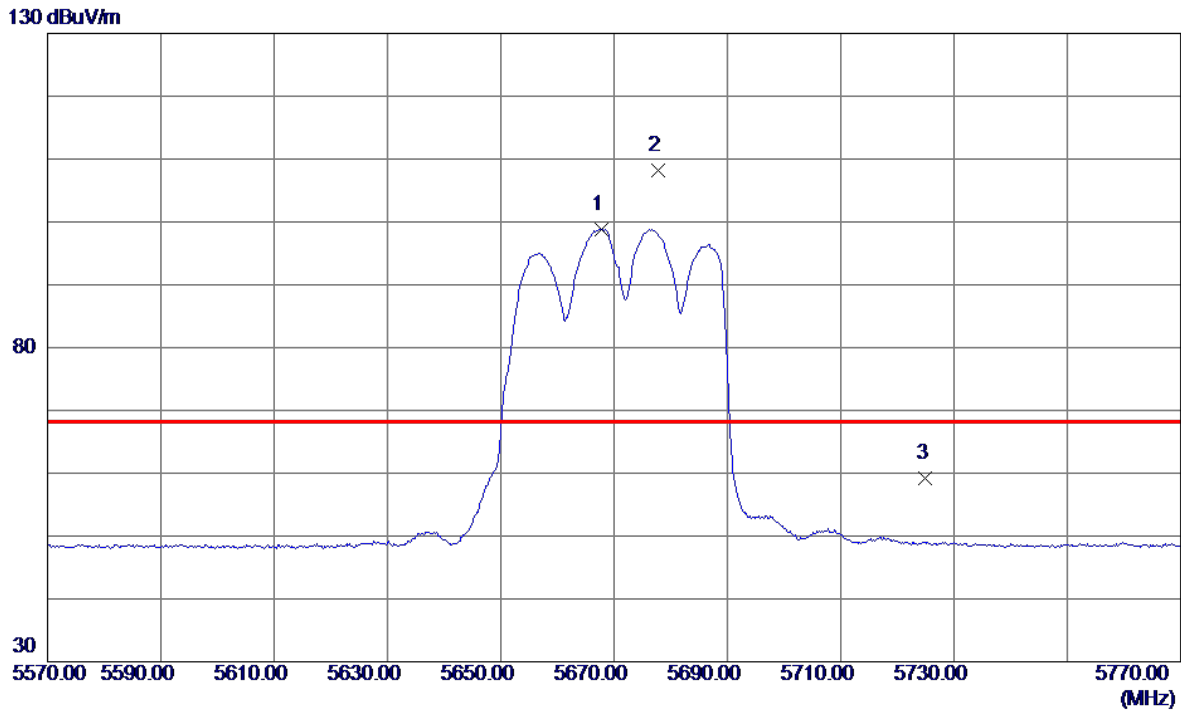


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11095.6750	27.72	17.36	45.08	54.00	-8.92	AVG	
2	11095.7250	38.92	17.36	56.28	74.00	-17.72	Peak	

REMARKS:

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

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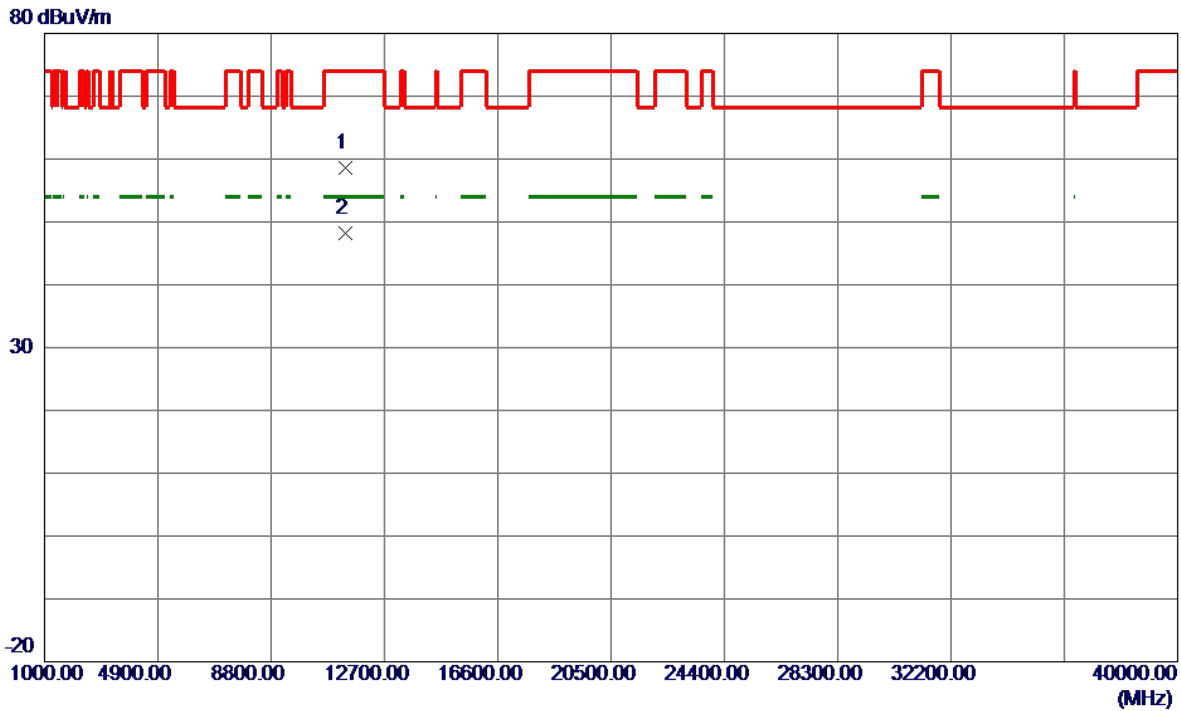


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5667.8000	79.01	19.83	98.84	999.00	-900.16	AVG	No Limit
2 *	5677.7000	88.39	19.85	108.24	68.20	40.04	Peak	No Limit
3	5725.0000	39.33	19.94	59.27	68.20	-8.93	Peak	

REMARKS:

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

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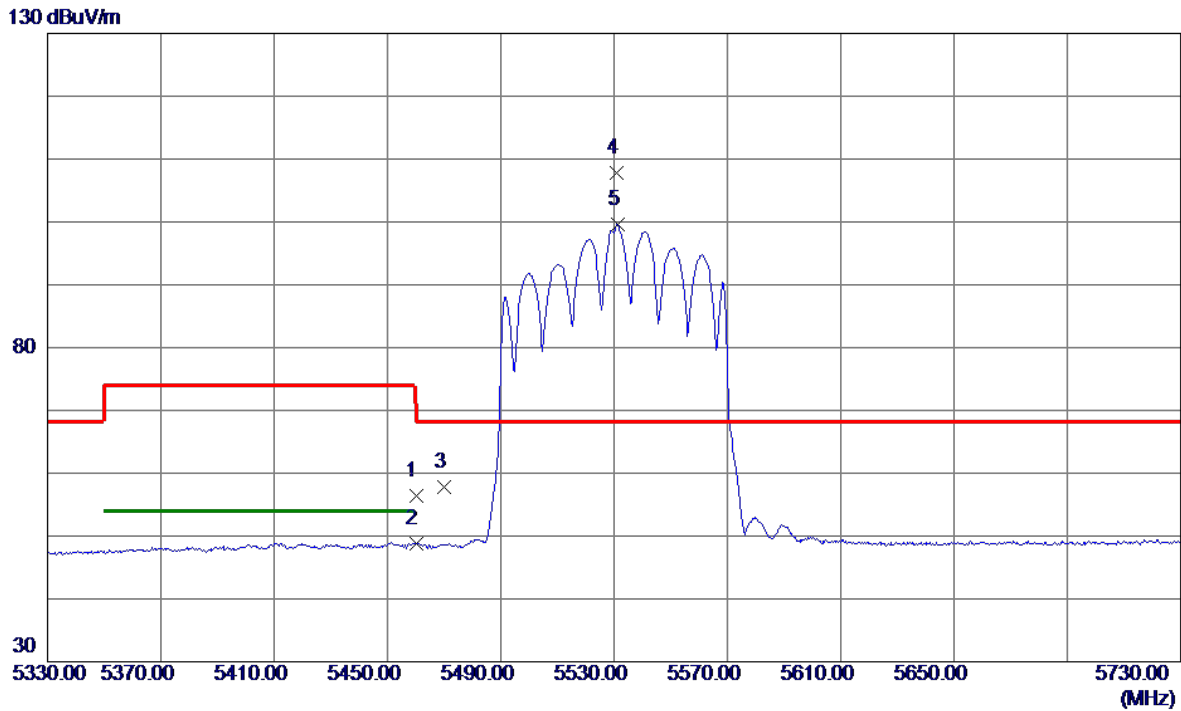


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11339.8750	40.69	17.86	58.55	74.00	-15.45	Peak	
2 *	11340.0250	30.36	17.86	48.22	54.00	-5.78	AVG	

REMARKS:

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

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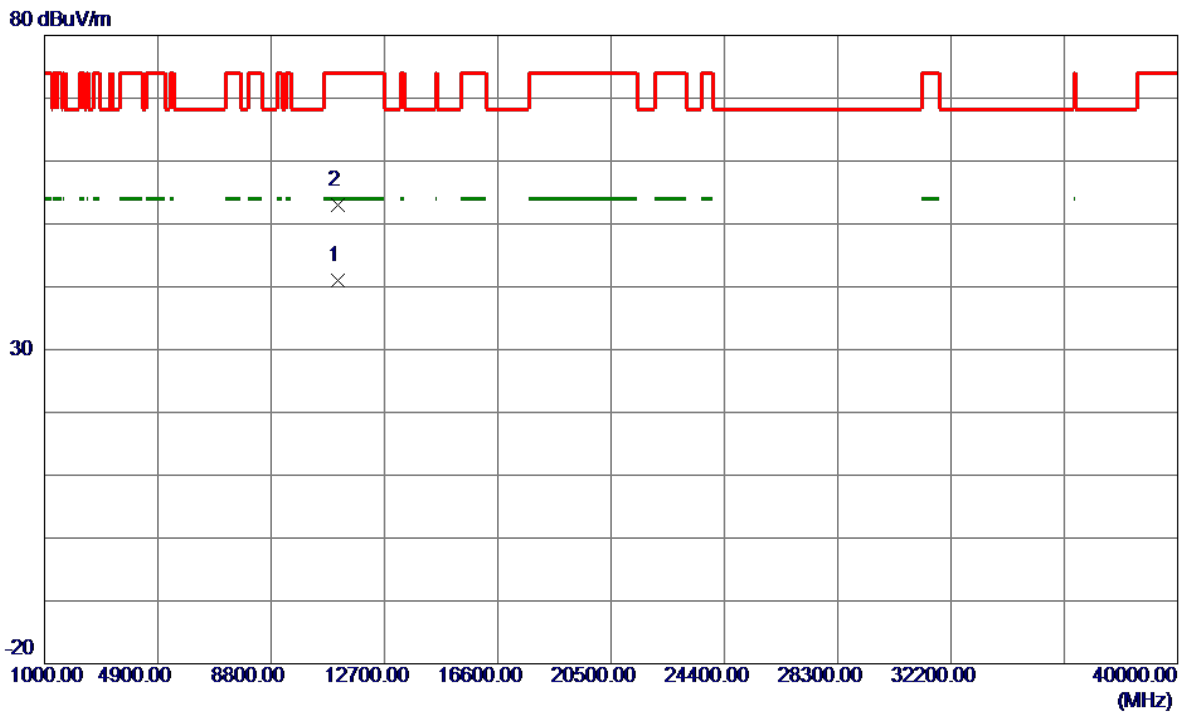


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	37.04	19.45	56.49	74.00	-17.51	Peak	
2	5460.0000	29.37	19.45	48.82	54.00	-5.18	AVG	
3	5470.0000	38.34	19.46	57.80	68.20	-10.40	Peak	
4 *	5530.8000	88.23	19.57	107.80	68.20	39.60	Peak	No Limit
5	5531.2000	80.11	19.57	99.68	999.00	-899.32	AVG	No Limit

REMARKS:

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

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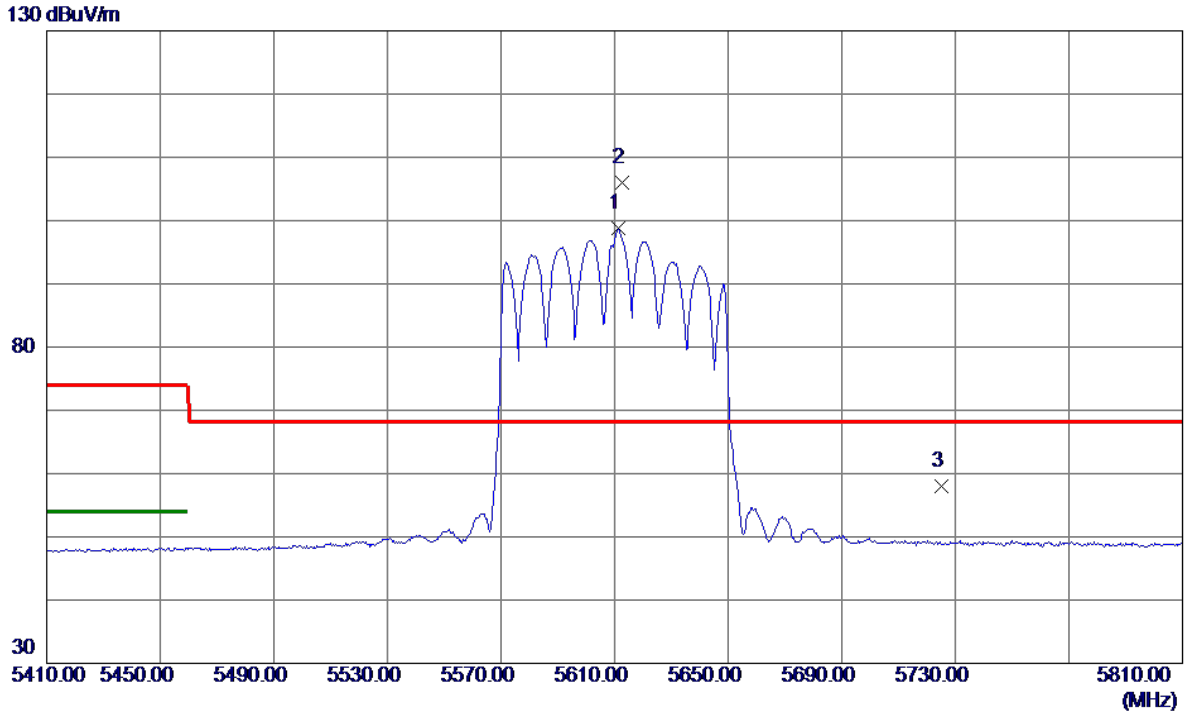


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11076.4000	23.73	17.32	41.05	54.00	-12.95	AVG	
2	11087.2500	35.57	17.35	52.92	74.00	-21.08	Peak	

REMARKS:

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

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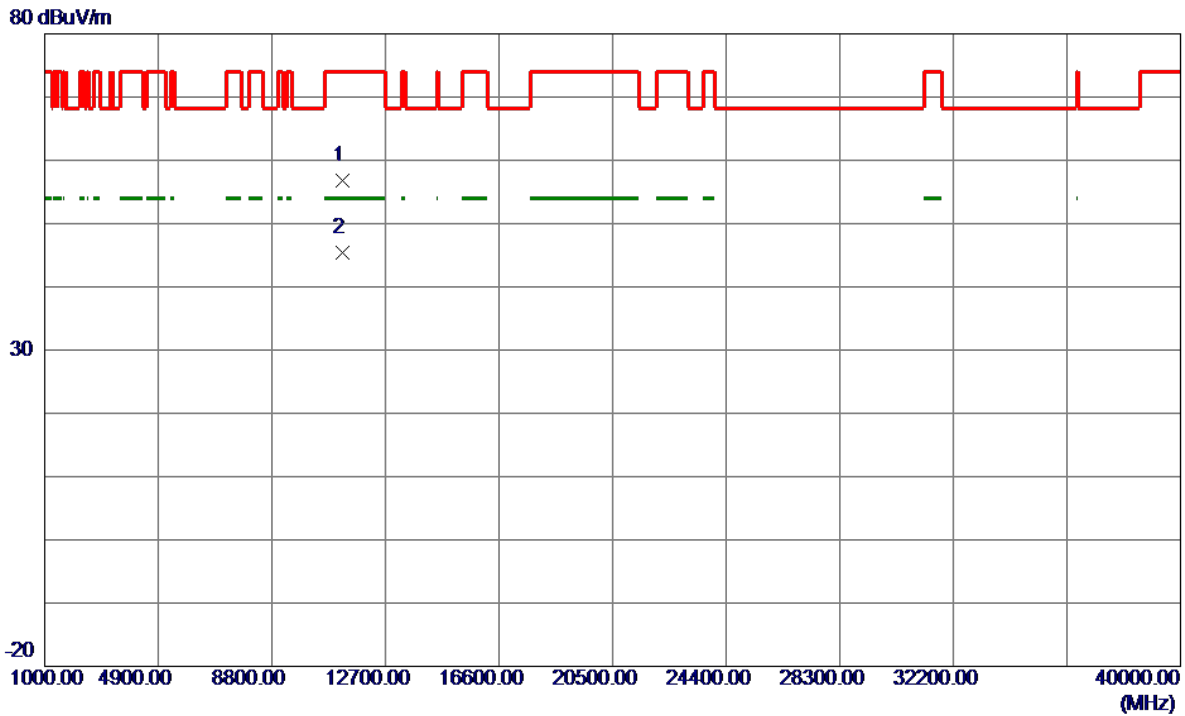


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5611.2000	79.02	19.72	98.74	999.00	-900.26	AVG	No Limit
2 *	5612.8000	86.36	19.72	106.08	68.20	37.88	Peak	No Limit
3	5725.0000	38.03	19.94	57.97	68.20	-10.23	Peak	

REMARKS:

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

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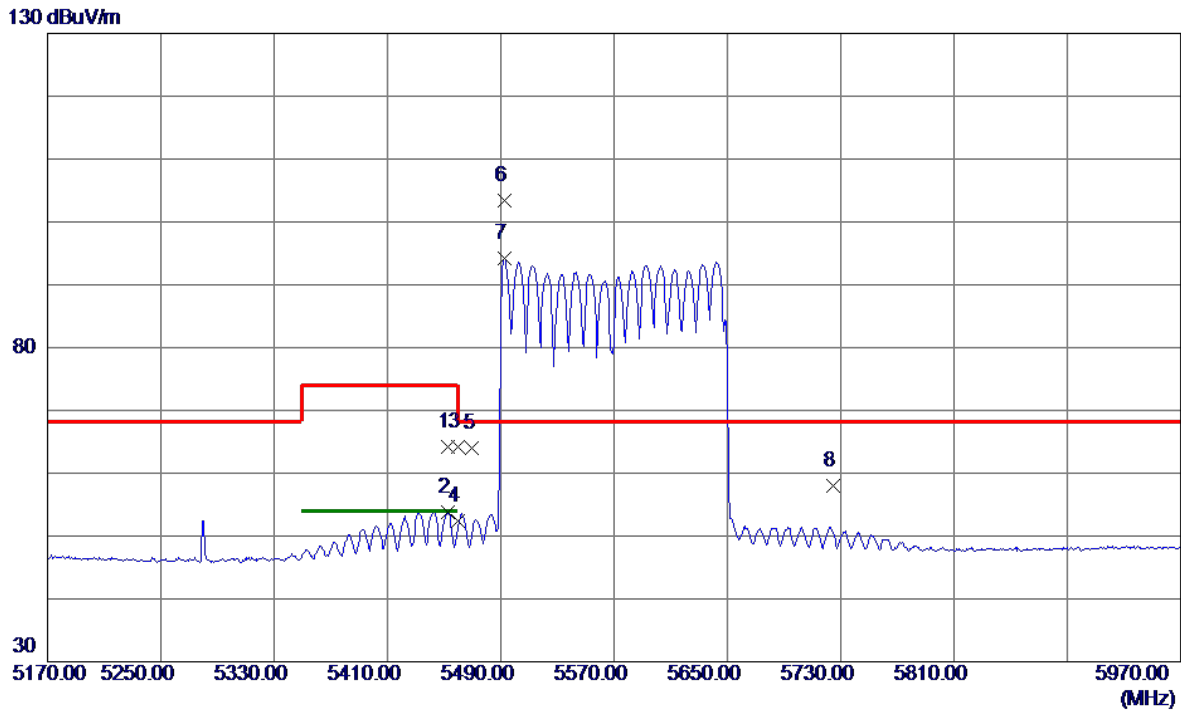


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11216.9000	39.16	17.61	56.77	74.00	-17.23	Peak	
2 *	11217.1500	27.73	17.61	45.34	54.00	-8.66	AVG	

REMARKS:

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

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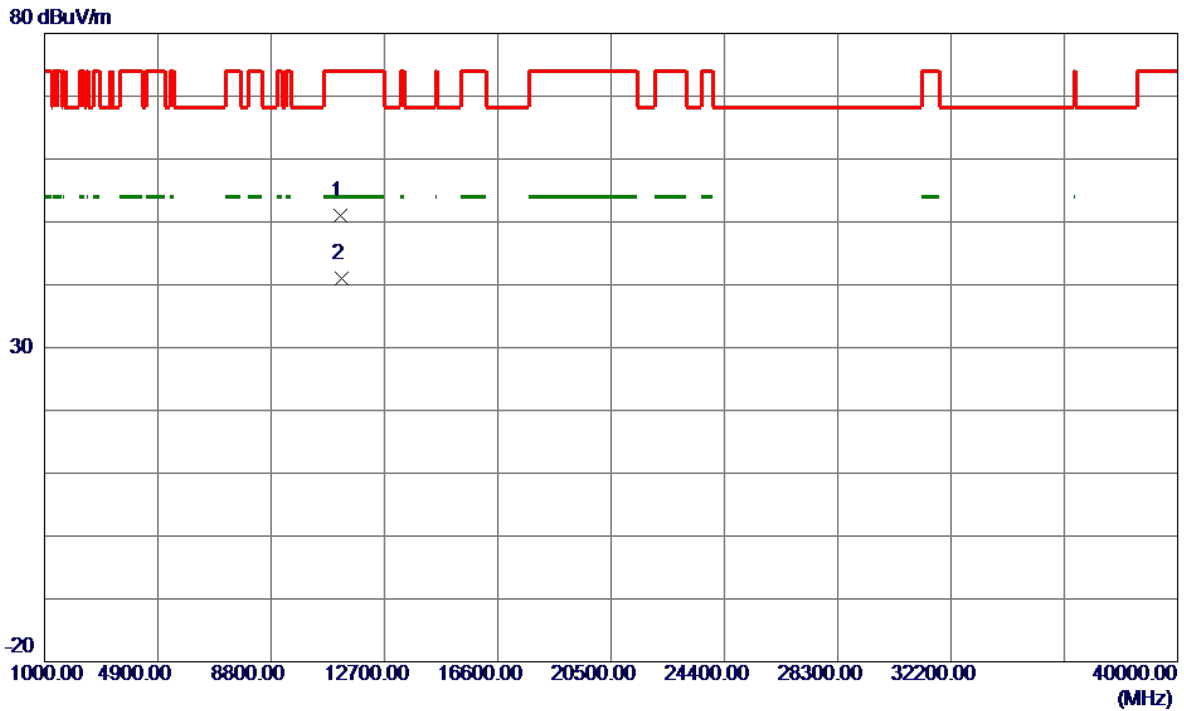


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5452.4000	45.39	18.77	64.16	74.00	-9.84	Peak	
2	5452.4000	35.12	18.77	53.89	54.00	-0.11	AVG	
3	5460.0000	45.37	18.79	64.16	74.00	-9.84	Peak	
4	5460.0000	33.65	18.79	52.44	54.00	-1.56	AVG	
5	5470.0000	45.20	18.81	64.01	68.20	-4.19	Peak	
6 *	5492.4000	84.49	18.86	103.35	68.20	35.15	Peak	No Limit
7	5492.4000	75.32	18.86	94.18	999.00	-904.82	AVG	No Limit
8	5725.0000	38.48	19.50	57.98	68.20	-10.22	Peak	

REMARKS:

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

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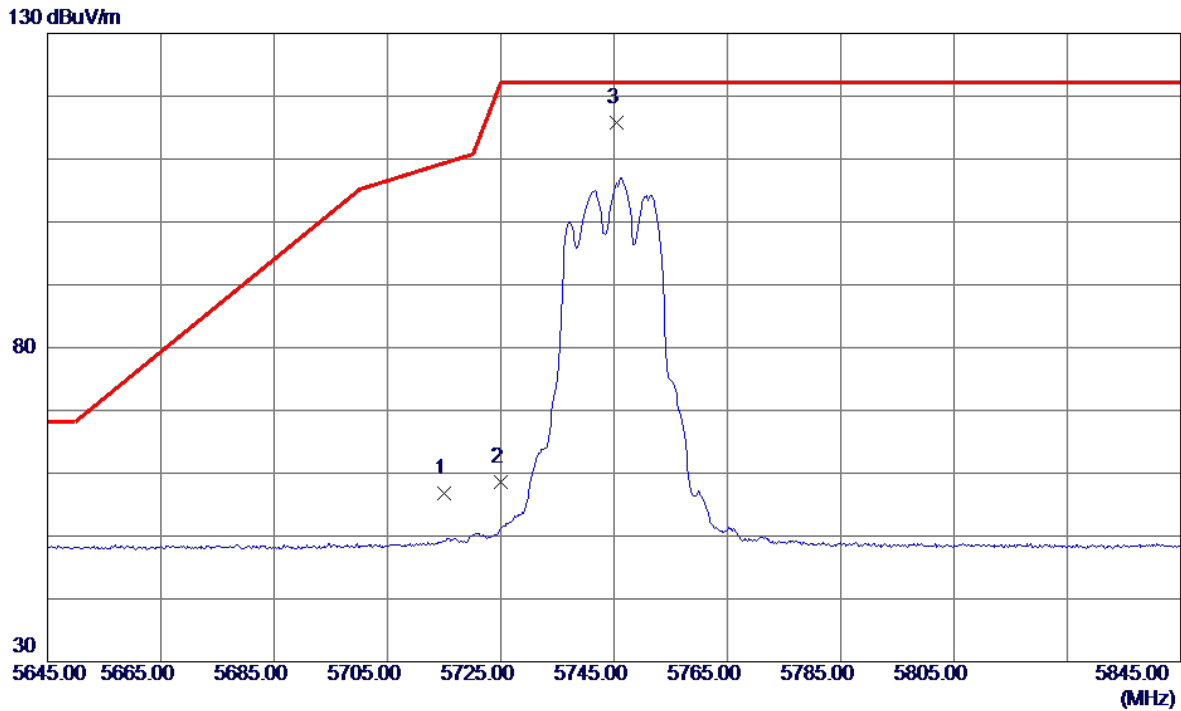


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11175.3000	33.50	17.52	51.02	74.00	-22.98	Peak	
2 *	11217.1000	23.46	17.61	41.07	54.00	-12.93	AVG	

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	Vertical
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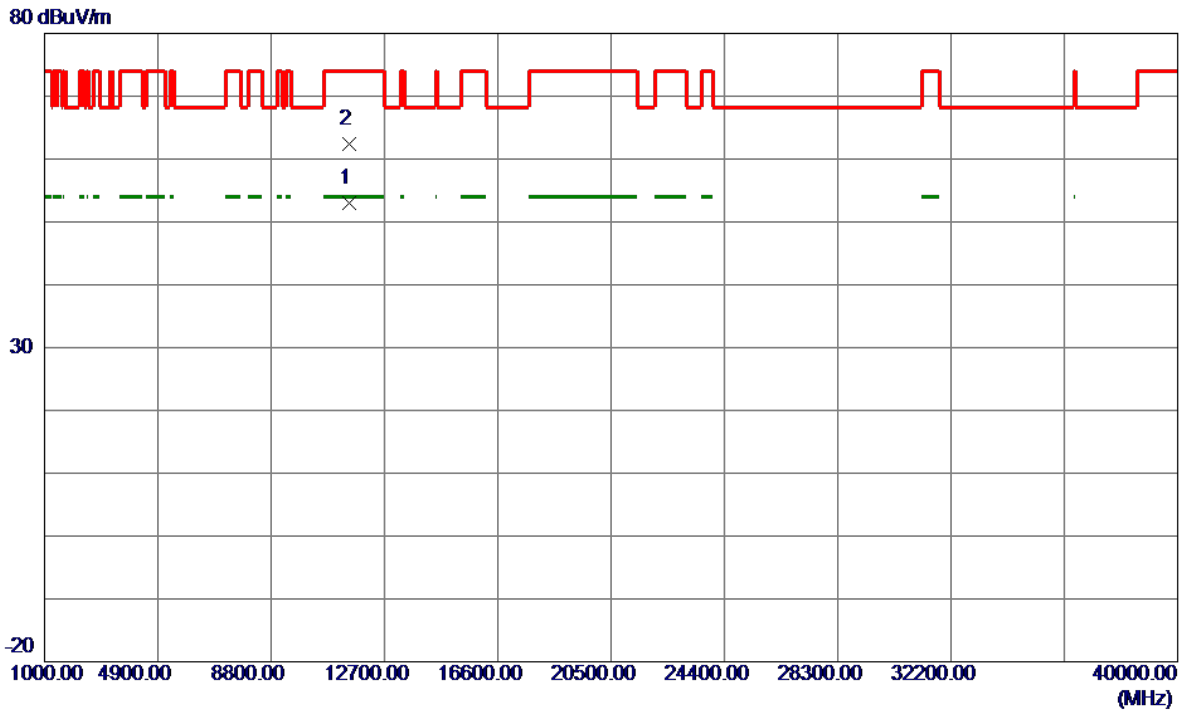


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	36.90	19.92	56.82	109.40	-52.58	Peak	
2	5725.0000	38.57	19.94	58.51	122.20	-63.69	Peak	
3 *	5745.5000	95.78	19.98	115.76	122.20	-6.44	Peak	No Limit

REMARKS:

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

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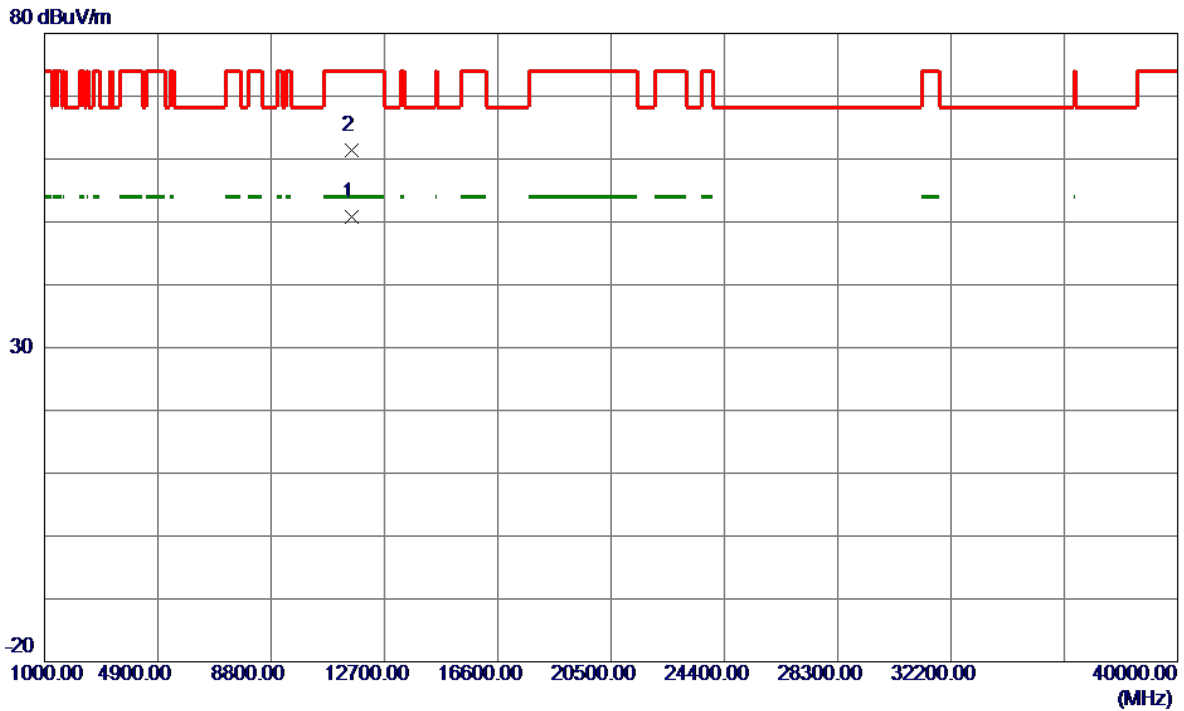


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11488.1000	39.63	13.34	52.97	54.00	-1.03	AVG	
2	11491.8000	49.04	13.35	62.39	74.00	-11.61	Peak	

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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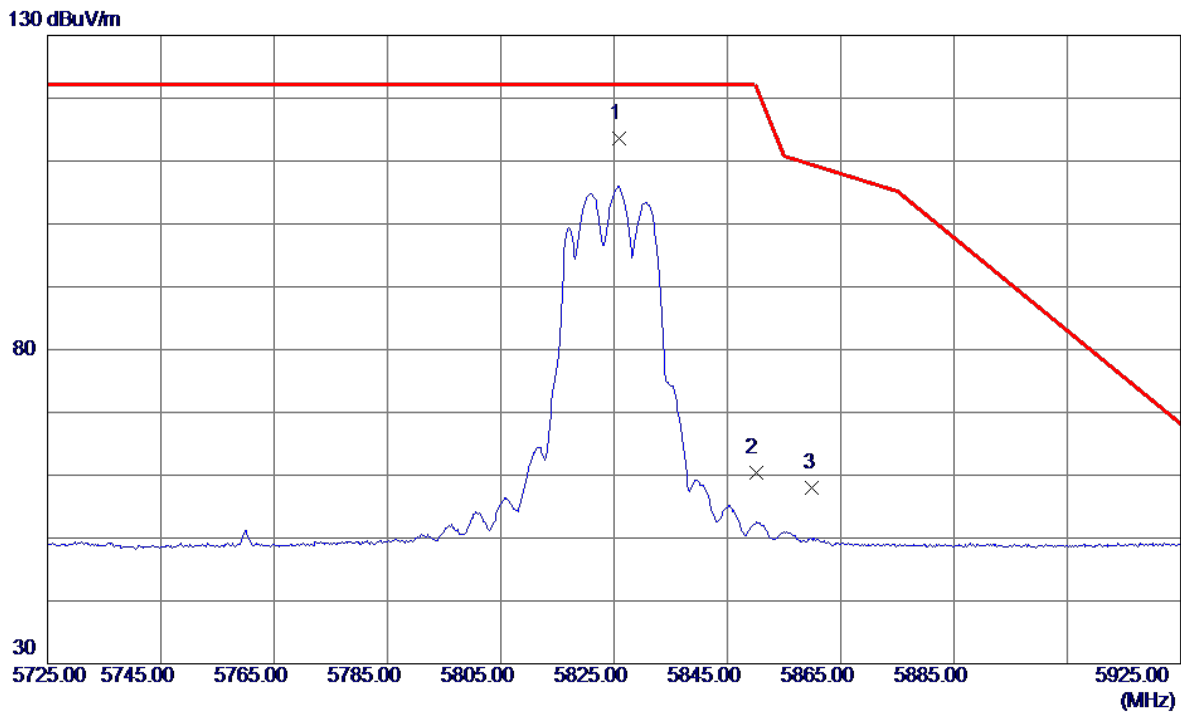


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11570.1500	37.48	13.37	50.85	54.00	-3.15	AVG	
2	11570.5500	48.04	13.37	61.41	74.00	-12.59	Peak	

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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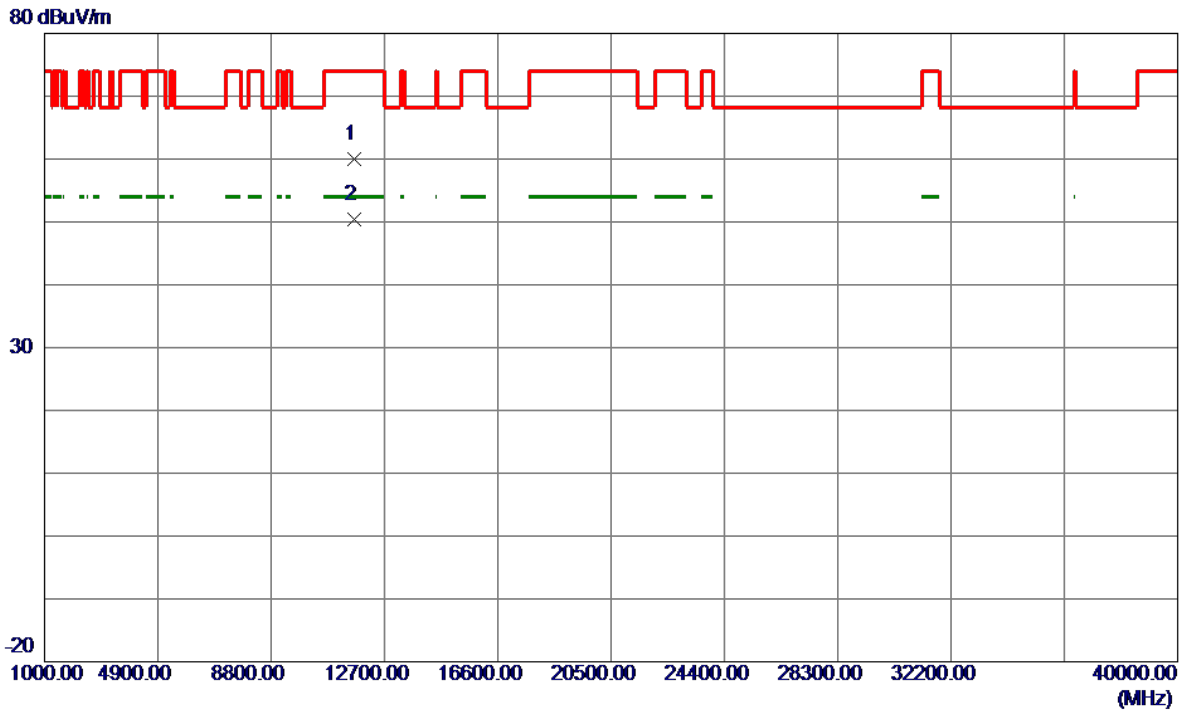


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5825.9000	93.41	20.14	113.55	122.20	-8.65	Peak	No Limit
2	5850.0000	40.20	20.19	60.39	122.20	-61.81	Peak	
3	5860.0000	37.87	20.21	58.08	109.40	-51.32	Peak	

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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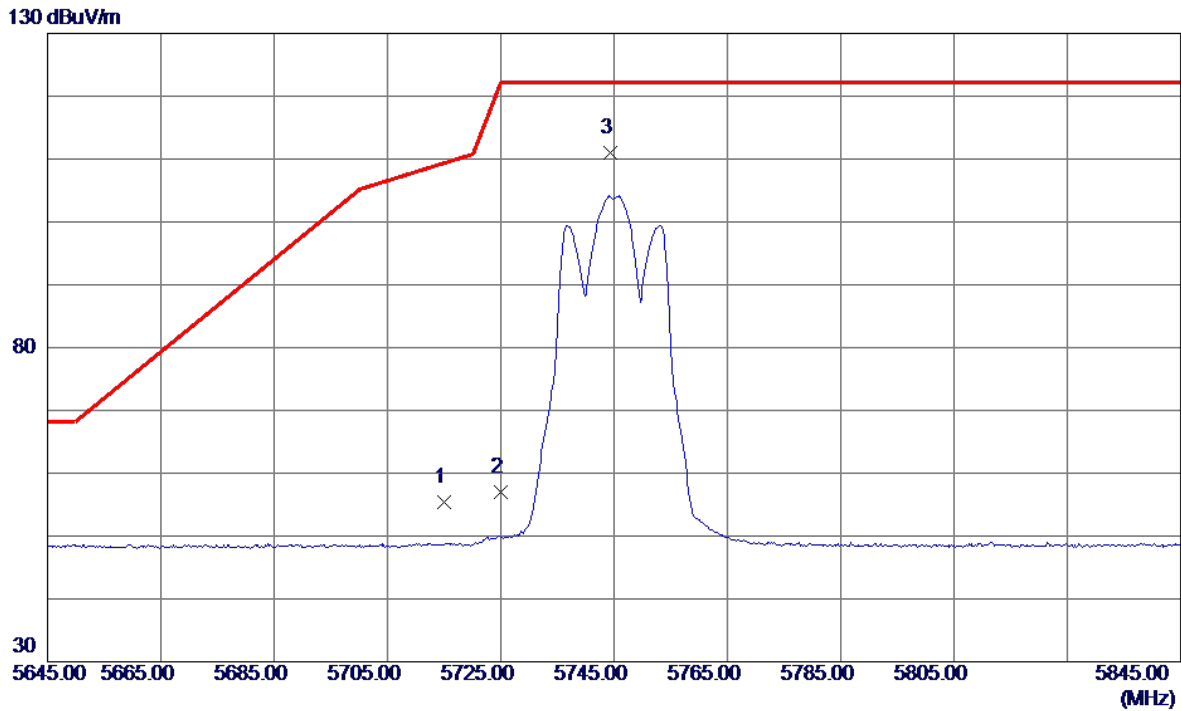


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11651.7500	46.64	13.39	60.03	74.00	-13.97	Peak	
2 *	11652.0500	36.94	13.39	50.33	54.00	-3.67	AVG	

REMARKS:

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

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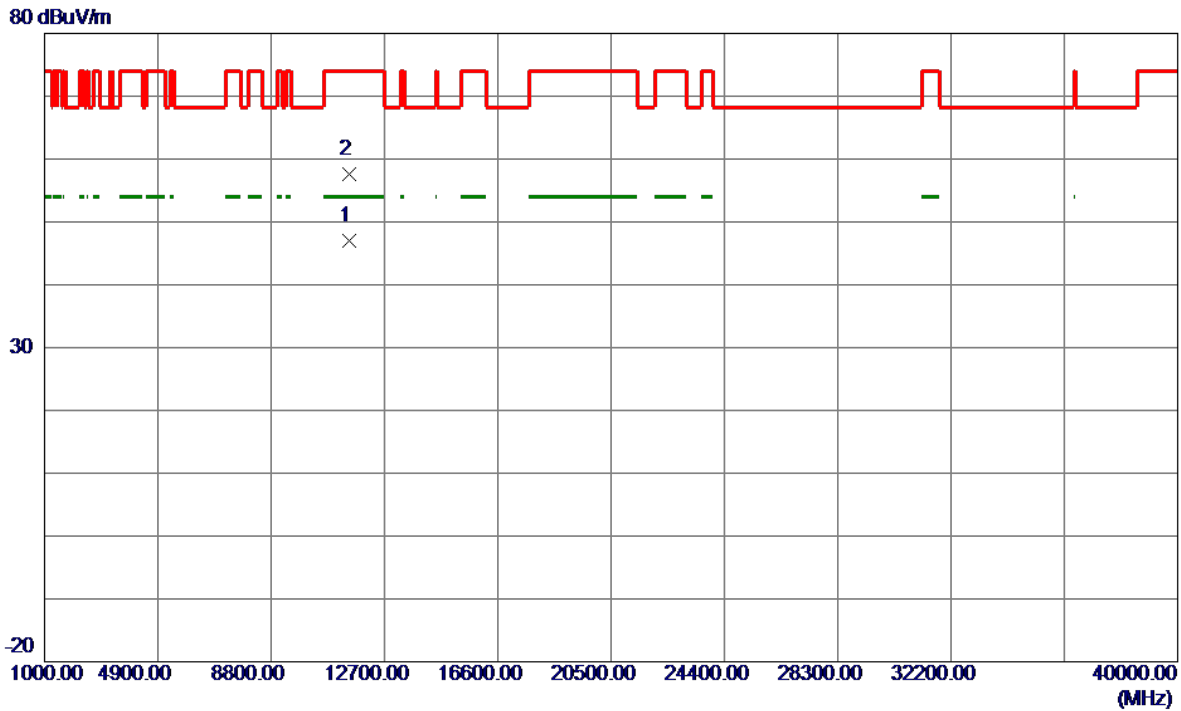


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	35.53	19.92	55.45	109.40	-53.95	Peak	
2	5725.0000	36.97	19.94	56.91	122.20	-65.29	Peak	
3 *	5744.4000	91.01	19.98	110.99	122.20	-11.21	Peak	No Limit

REMARKS:

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

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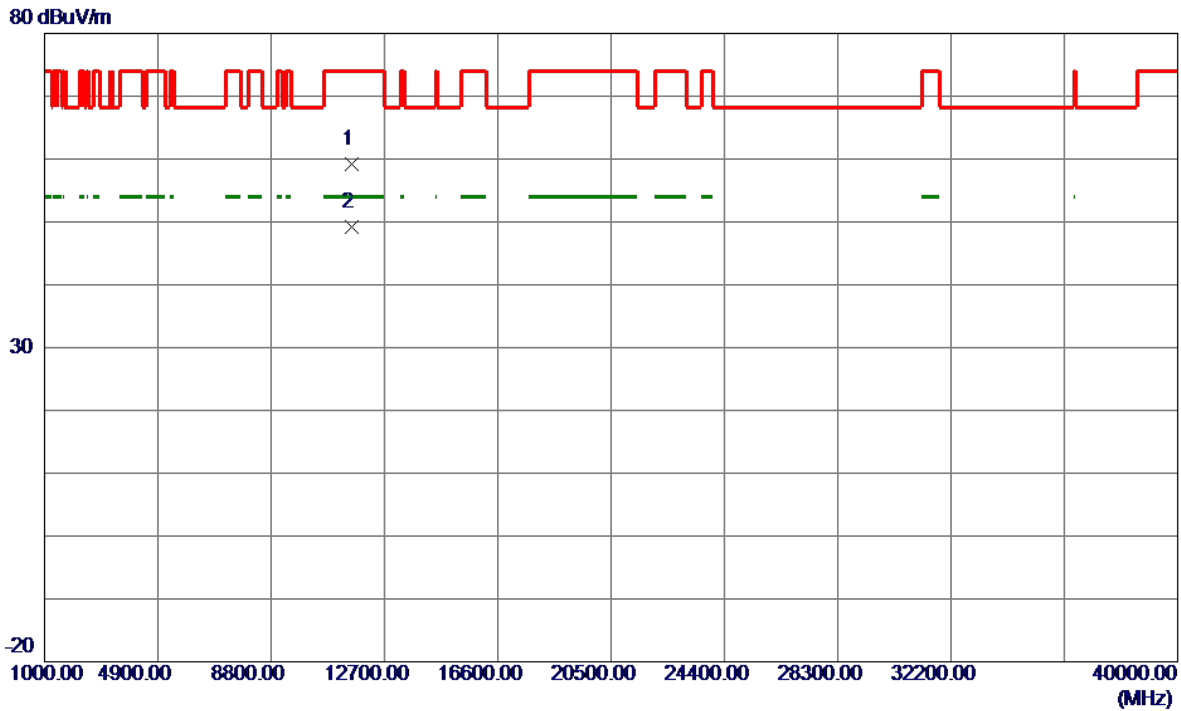


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11490.5000	33.57	13.34	46.91	54.00	-7.09	AVG	
2	11492.1500	44.29	13.35	57.64	74.00	-16.36	Peak	

REMARKS:

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

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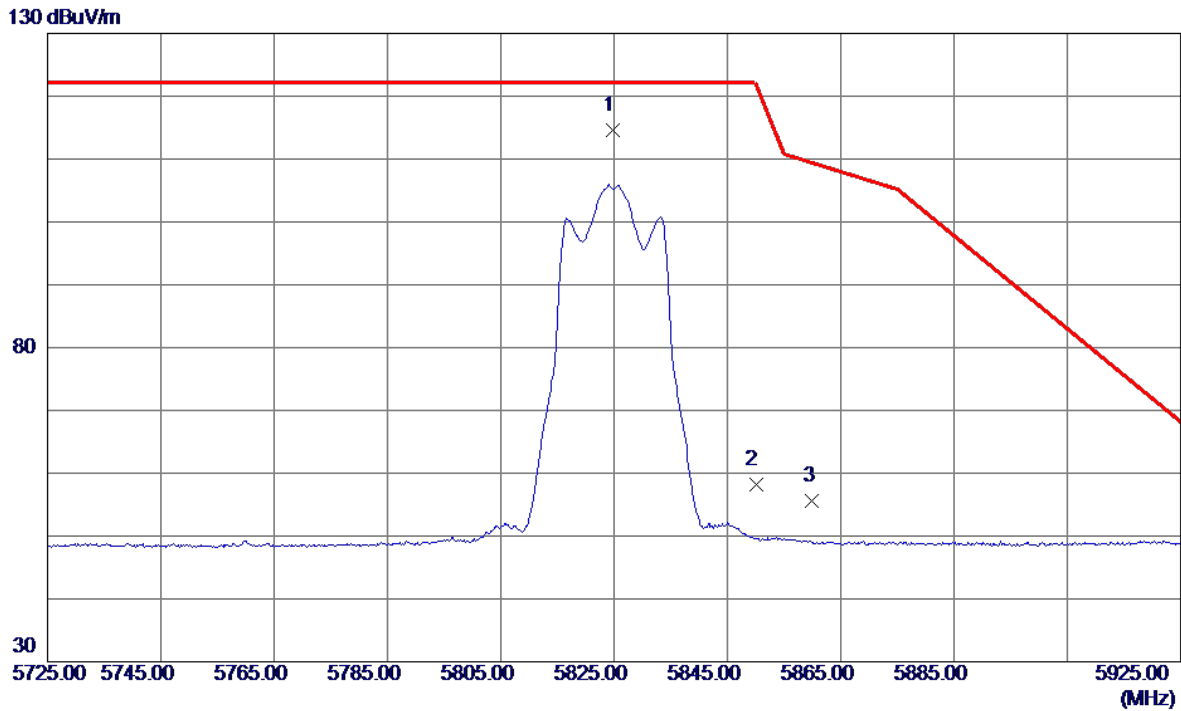


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11568.6000	45.75	13.37	59.12	74.00	-14.88	Peak	
2 *	11570.0000	35.82	13.37	49.19	54.00	-4.81	AVG	

REMARKS:

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

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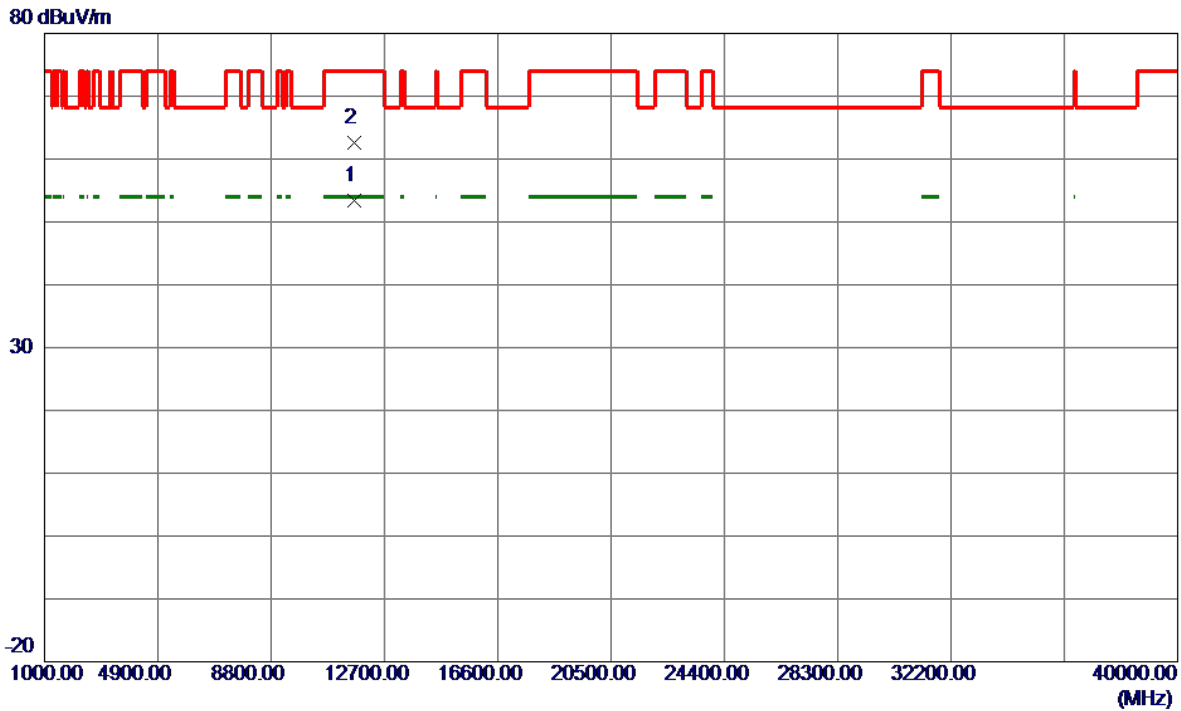


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5824.7000	94.52	20.14	114.66	122.20	-7.54	Peak	No Limit
2	5850.0000	38.09	20.19	58.28	122.20	-63.92	Peak	
3	5860.0000	35.36	20.21	55.57	109.40	-53.83	Peak	

REMARKS:

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

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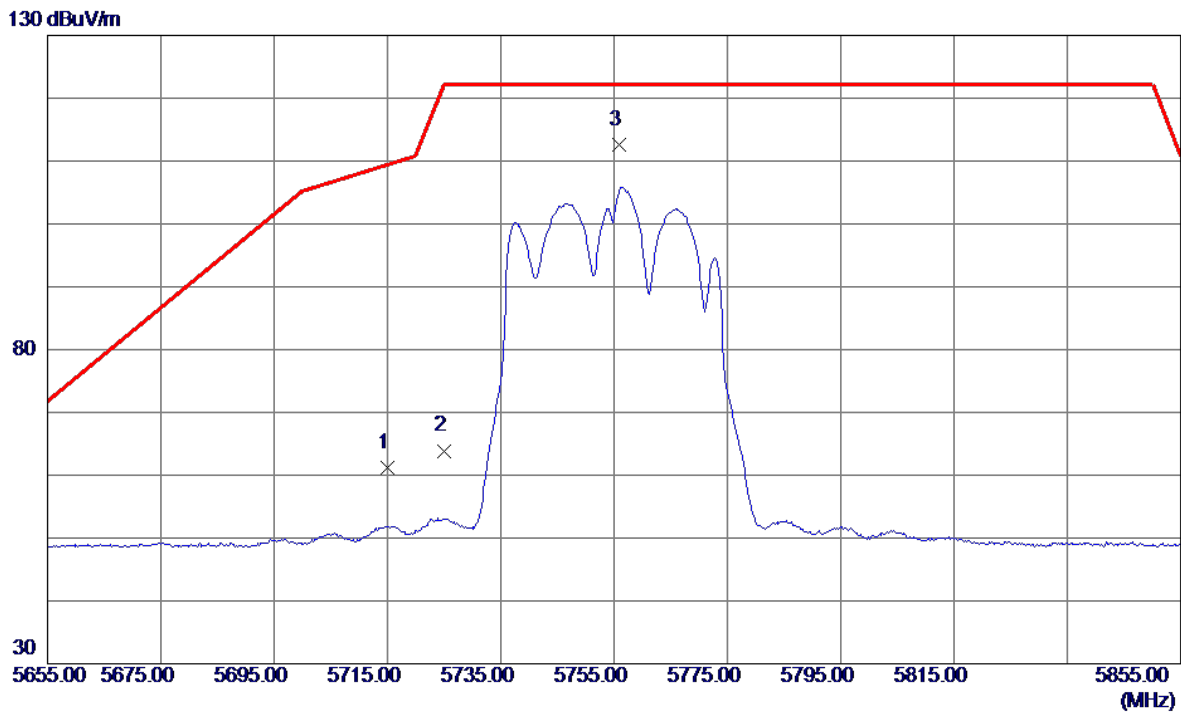


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11647.5500	39.96	13.39	53.35	54.00	-0.65	AVG	
2	11658.8000	49.13	13.39	62.52	74.00	-11.48	Peak	

REMARKS:

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

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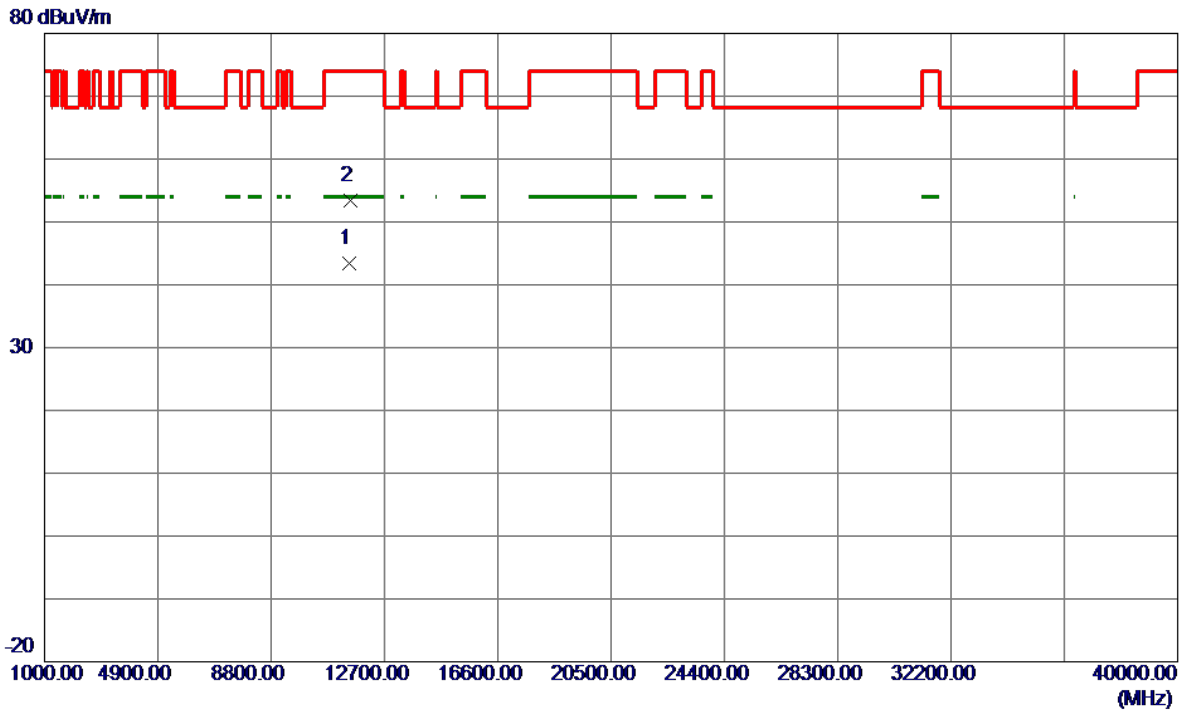


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	41.25	19.92	61.17	109.40	-48.23	Peak	
2	5725.0000	43.96	19.94	63.90	122.20	-58.30	Peak	
3 *	5755.8000	92.55	20.00	112.55	122.20	-9.65	Peak	No Limit

REMARKS:

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

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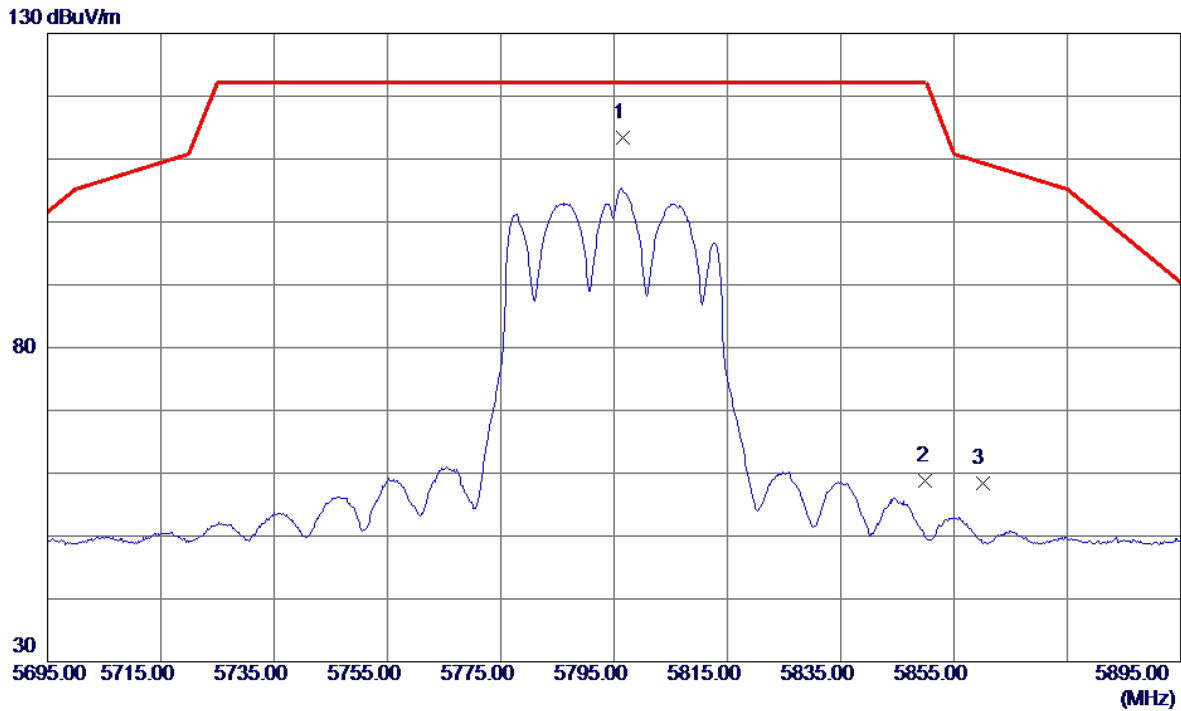


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11503.5000	30.05	13.36	43.41	54.00	-10.59	AVG	
2	11511.7500	39.95	13.36	53.31	74.00	-20.69	Peak	

REMARKS:

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

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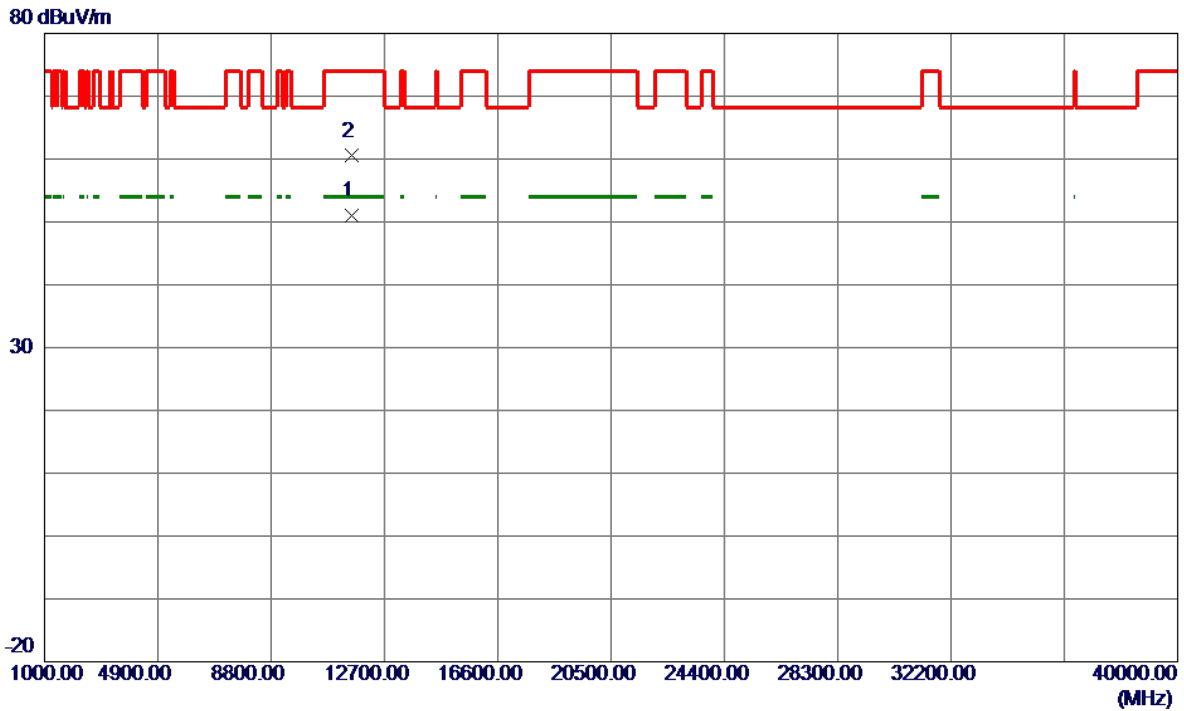


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5796.6000	93.36	20.08	113.44	122.20	-8.76	Peak	No Limit
2	5850.0000	38.70	20.19	58.89	122.20	-63.31	Peak	
3	5860.0000	38.20	20.21	58.41	109.40	-50.99	Peak	

REMARKS:

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

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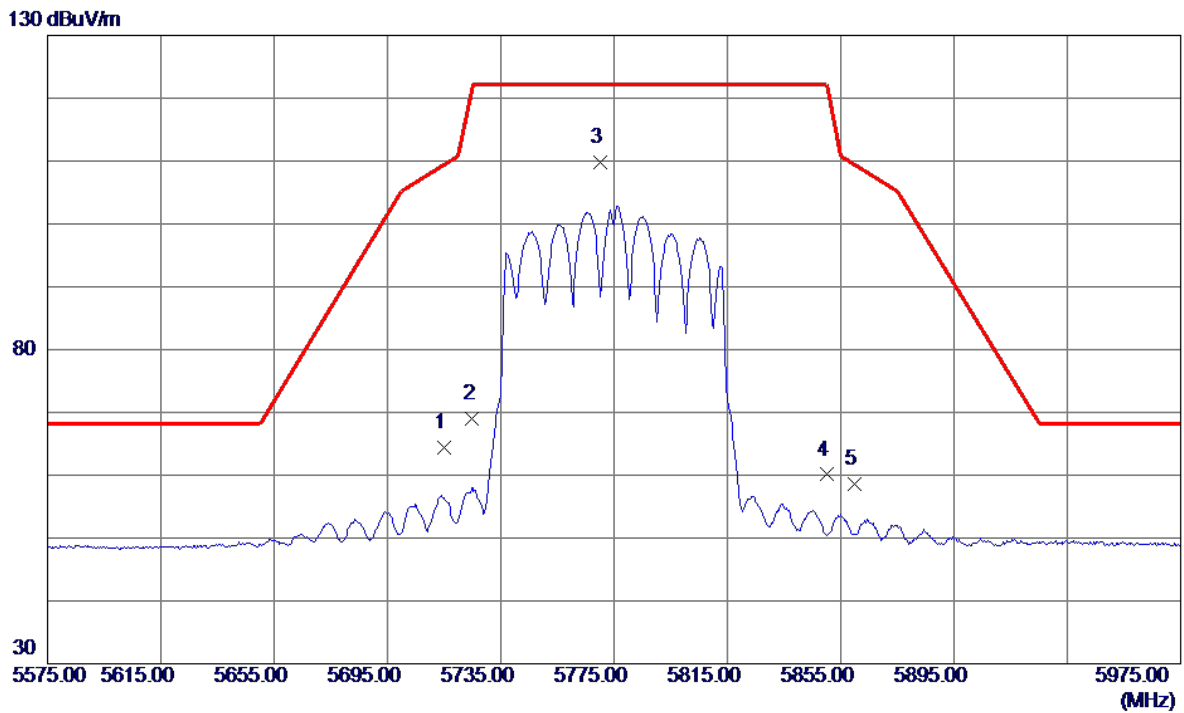


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11588.7000	37.70	13.38	51.08	54.00	-2.92	AVG	
2	11588.8500	47.12	13.38	60.50	74.00	-13.50	Peak	

REMARKS:

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

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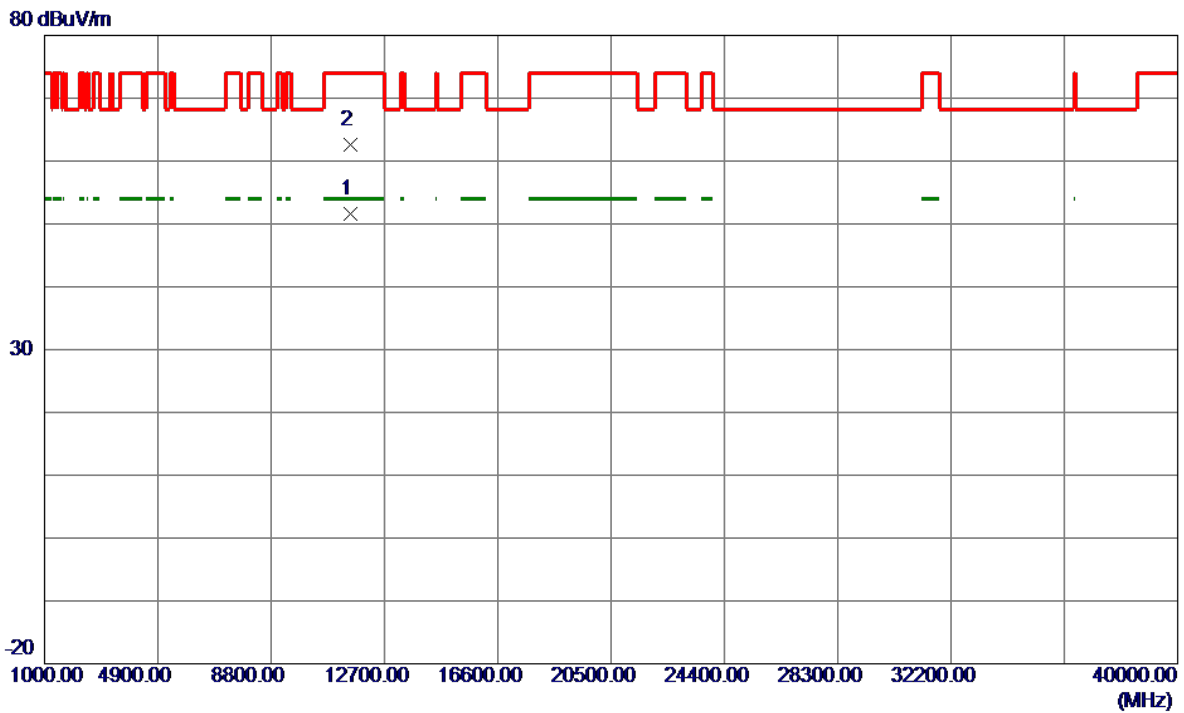


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	44.42	19.92	64.34	109.40	-45.06	Peak	
2	5725.0000	49.05	19.94	68.99	122.20	-53.21	Peak	
3 *	5770.2000	89.84	20.03	109.87	122.20	-12.33	Peak	No Limit
4	5850.0000	39.91	20.19	60.10	122.20	-62.10	Peak	
5	5860.0000	38.40	20.21	58.61	109.40	-50.79	Peak	

REMARKS:

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

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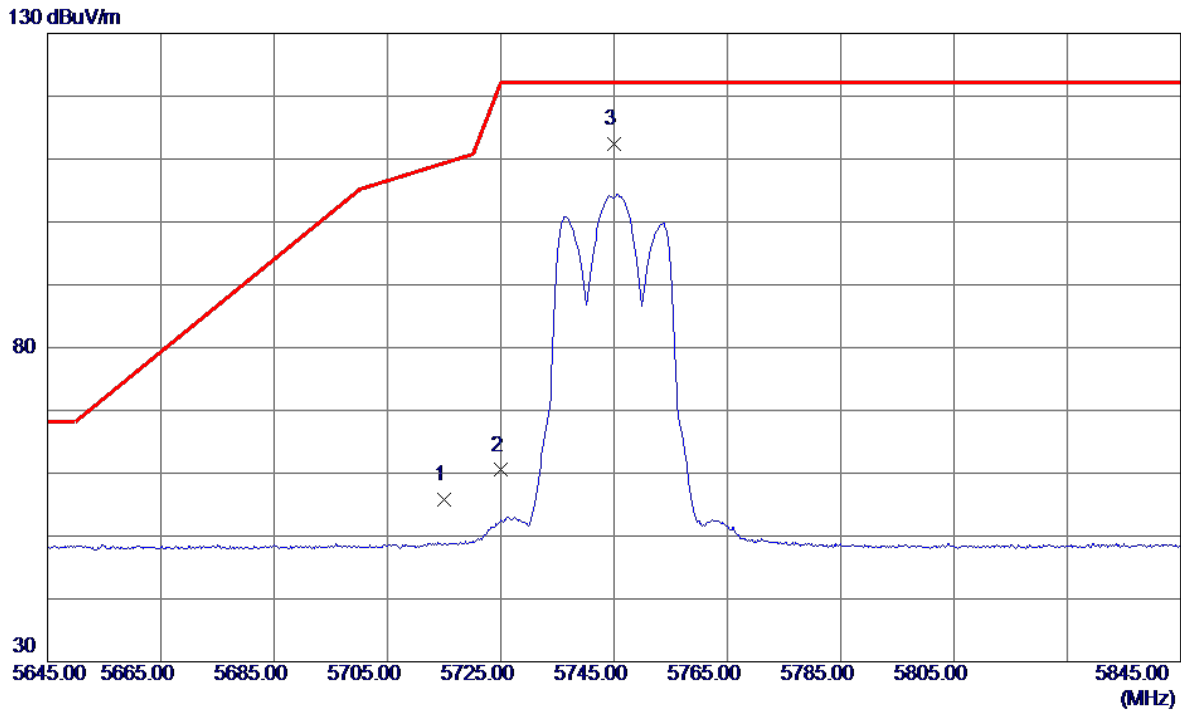


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11532.1250	33.36	18.16	51.52	54.00	-2.48	AVG	
2	11541.4250	44.42	18.16	62.58	74.00	-11.42	Peak	

REMARKS:

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

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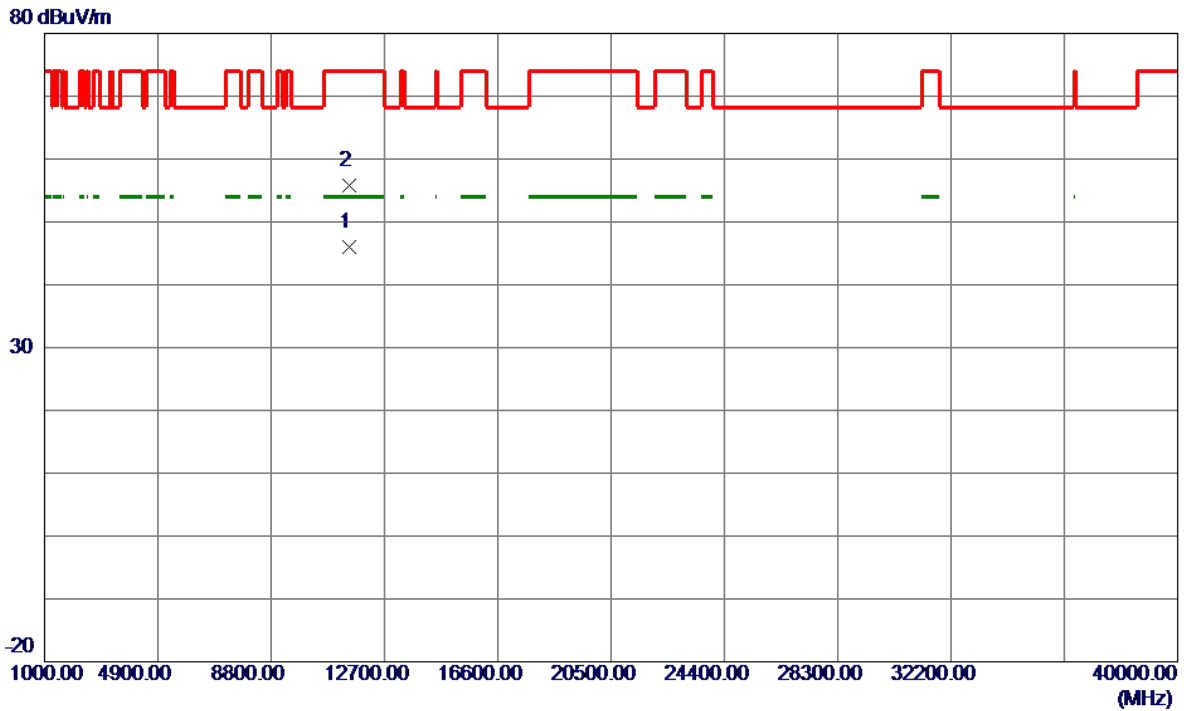


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	35.94	19.92	55.86	109.40	-53.54	Peak	
2	5725.0000	40.56	19.94	60.50	122.20	-61.70	Peak	
3 *	5744.9000	92.46	19.98	112.44	122.20	-9.76	Peak	No Limit

REMARKS:

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

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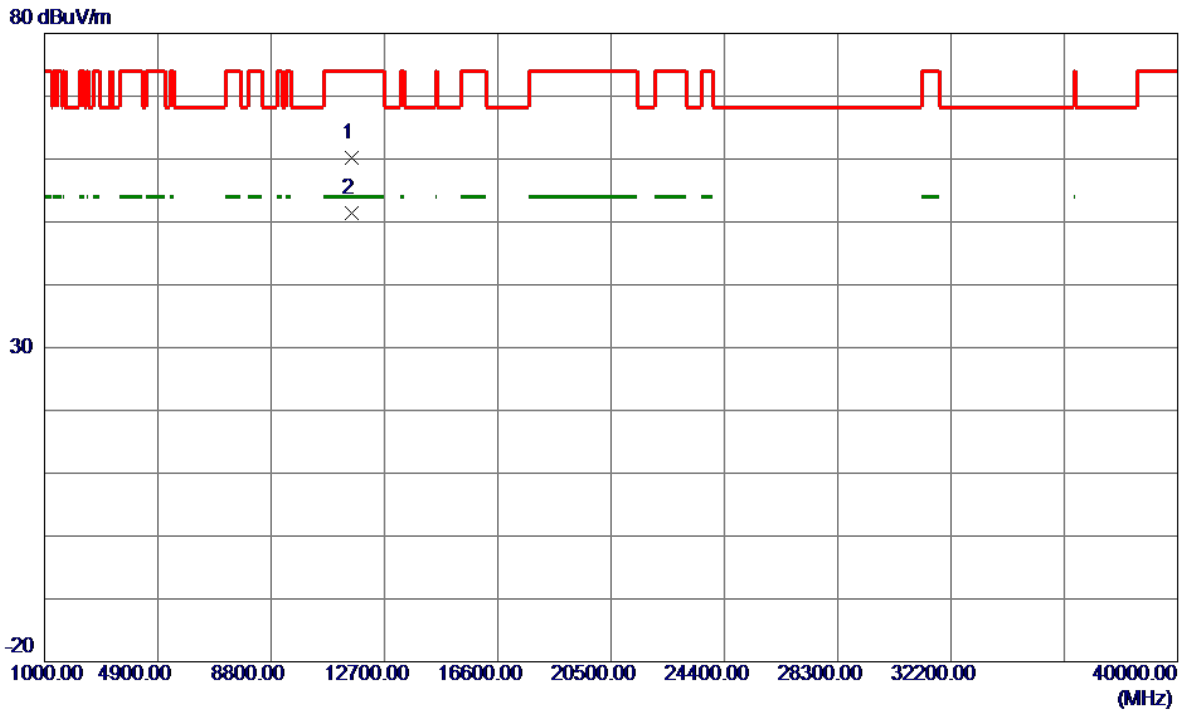


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11485.0000	32.68	13.34	46.02	54.00	-7.98	AVG	
2	11495.2000	42.47	13.35	55.82	74.00	-18.18	Peak	

REMARKS:

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

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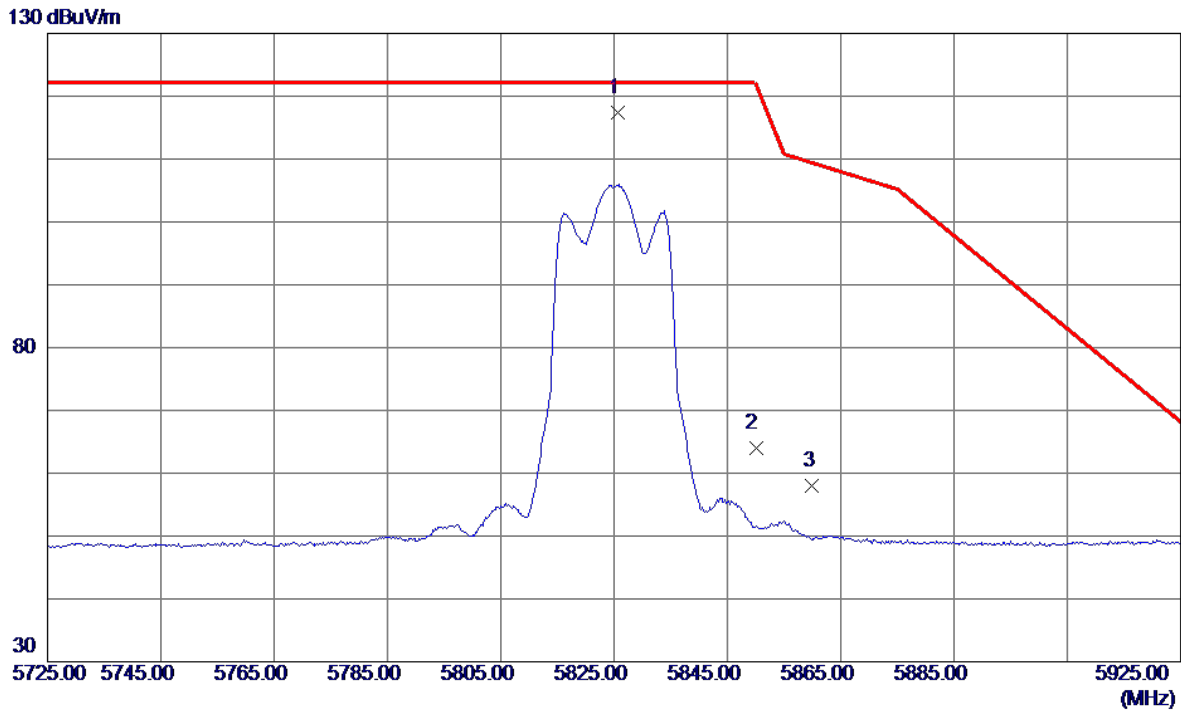


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11569.7000	46.84	13.37	60.21	74.00	-13.79	Peak	
2 *	11570.0000	38.11	13.37	51.48	54.00	-2.52	AVG	

REMARKS:

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

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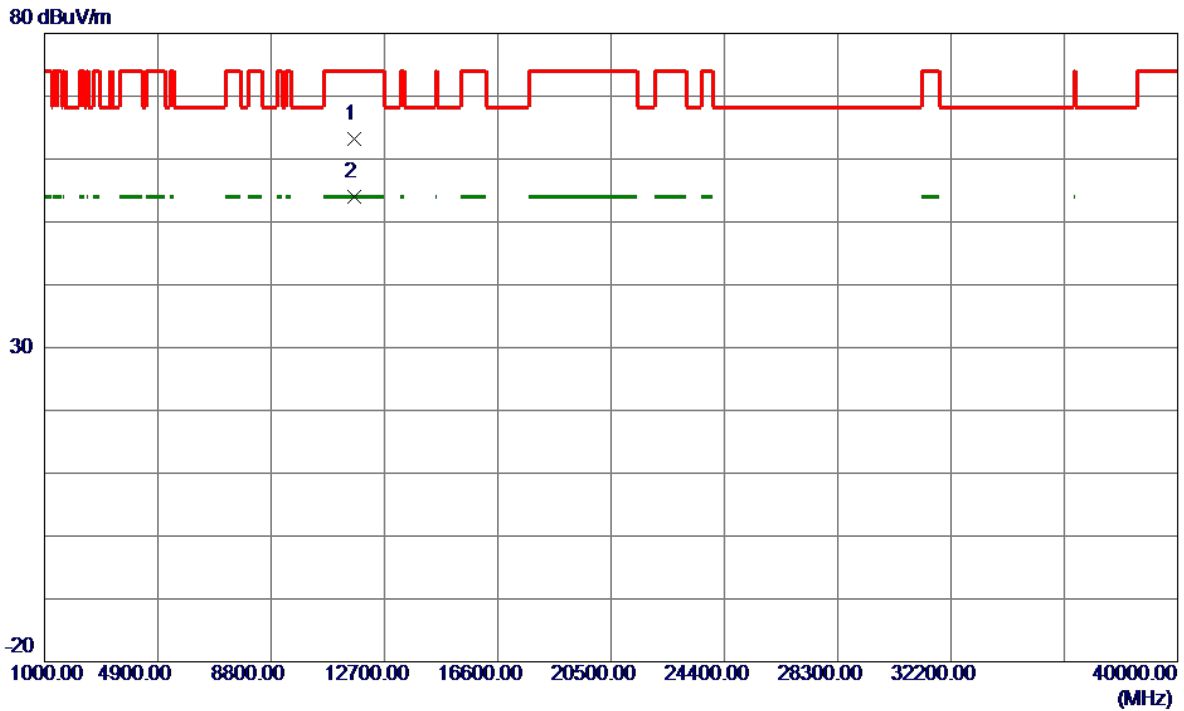


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5825.7000	97.21	20.14	117.35	122.20	-4.85	Peak	No Limit
2	5850.0000	43.85	20.19	64.04	122.20	-58.16	Peak	
3	5860.0000	37.70	20.21	57.91	109.40	-51.49	Peak	

REMARKS:

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

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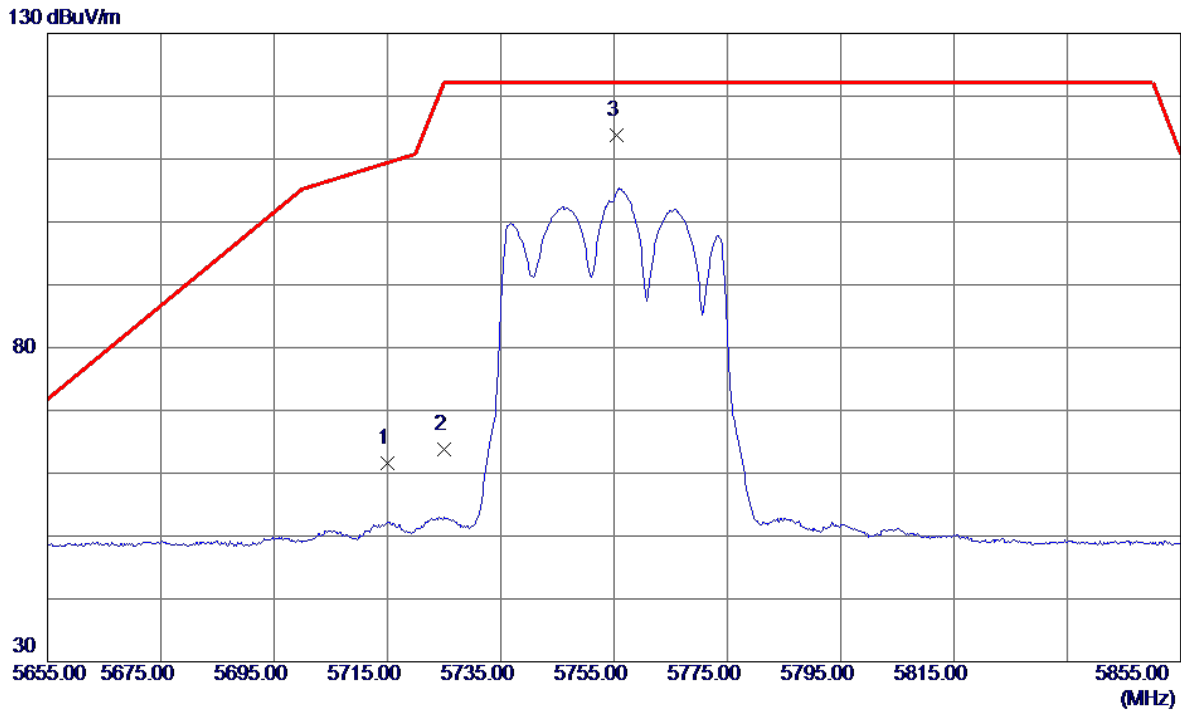


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11648.7000	49.73	13.39	63.12	74.00	-10.88	Peak	
2 *	11649.9000	40.59	13.39	53.98	54.00	-0.02	AVG	

REMARKS:

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

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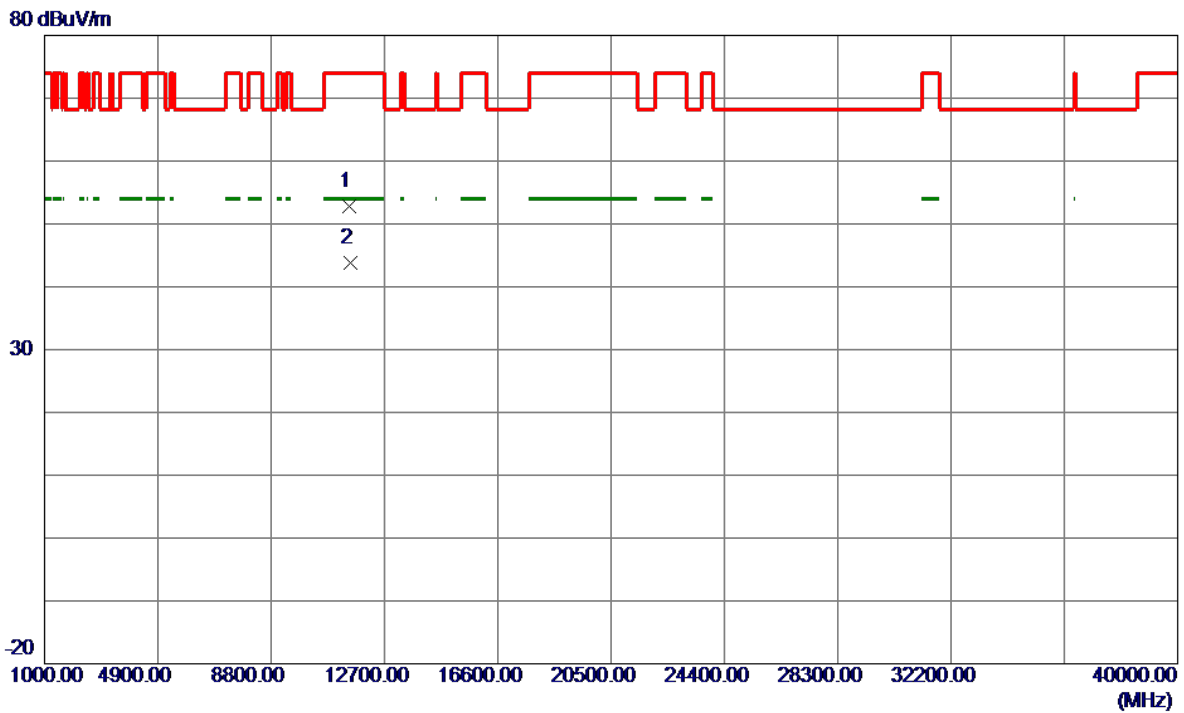


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	41.68	19.92	61.60	109.40	-47.80	Peak	
2	5725.0000	43.92	19.94	63.86	122.20	-58.34	Peak	
3 *	5755.5000	93.83	20.00	113.83	122.20	-8.37	Peak	No Limit

REMARKS:

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

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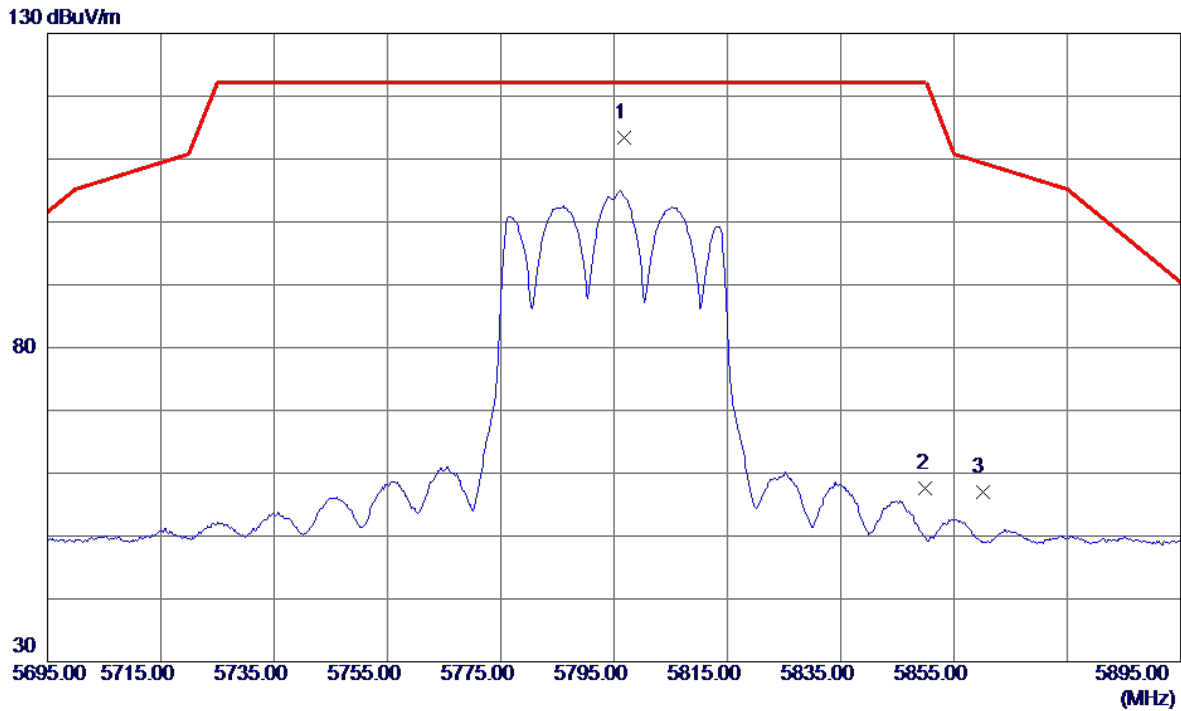


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11493.6500	39.44	13.35	52.79	74.00	-21.21	Peak	
2 *	11513.1500	30.52	13.36	43.88	54.00	-10.12	AVG	

REMARKS:

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

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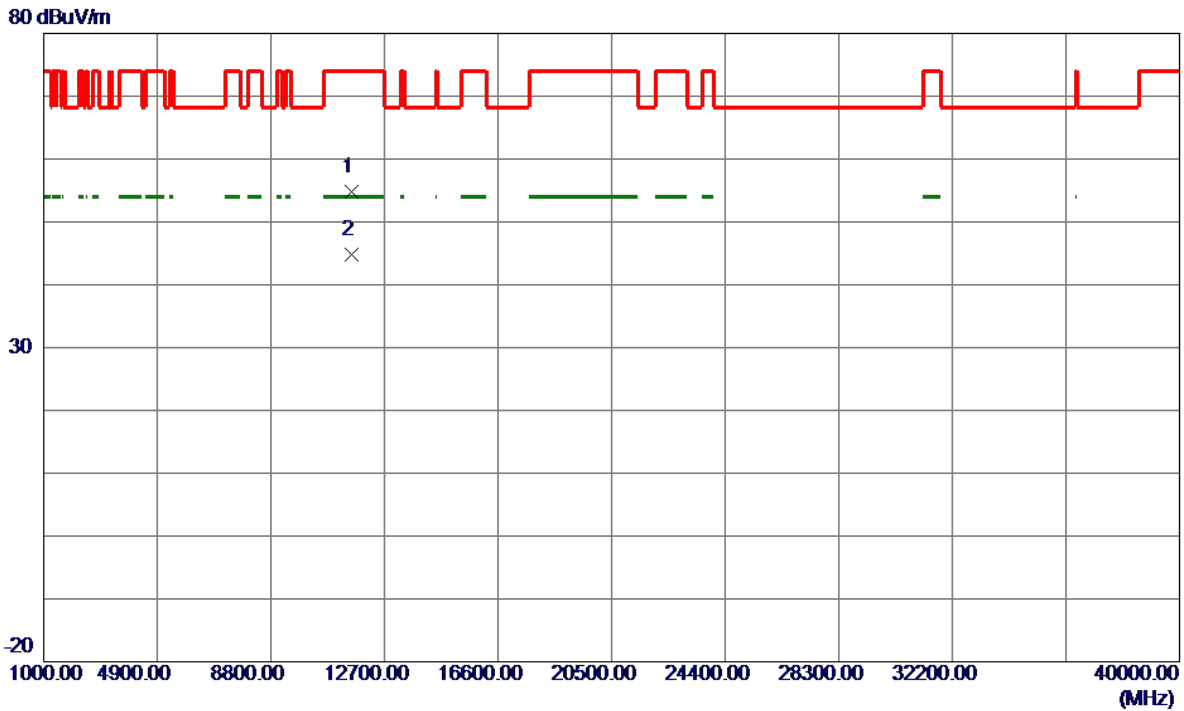


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5796.8000	93.27	20.08	113.35	122.20	-8.85	Peak	No Limit
2	5850.0000	37.50	20.19	57.69	122.20	-64.51	Peak	
3	5860.0000	36.70	20.21	56.91	109.40	-52.49	Peak	

REMARKS:

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

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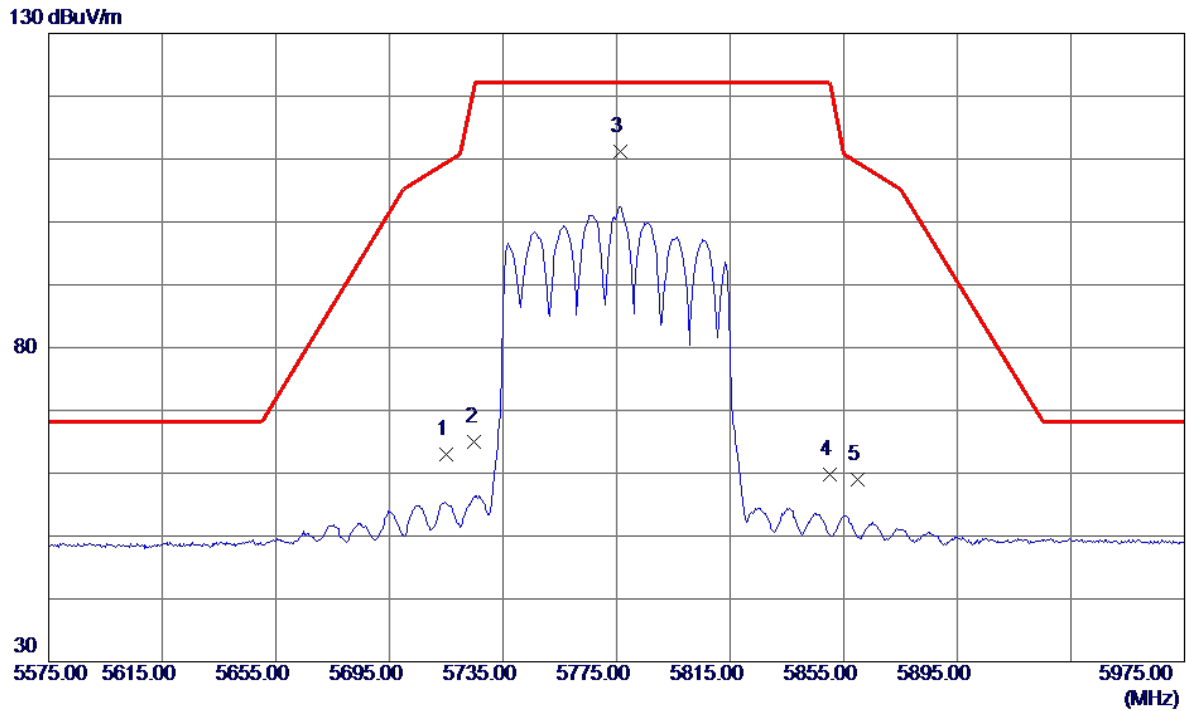


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11590.0500	41.37	13.38	54.75	74.00	-19.25	Peak	
2 *	11590.1500	31.35	13.38	44.73	54.00	-9.27	AVG	

REMARKS:

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

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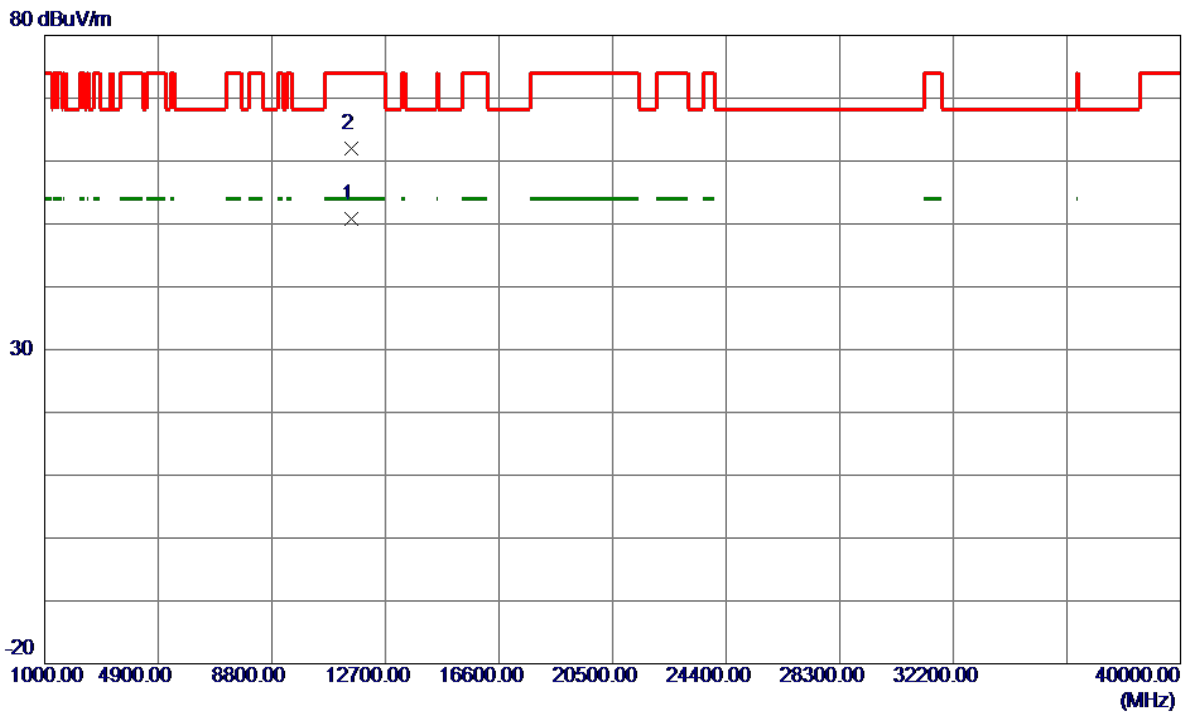


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	43.16	19.92	63.08	109.40	-46.32	Peak	
2	5725.0000	45.09	19.94	65.03	122.20	-57.17	Peak	
3 *	5776.4000	91.10	20.04	111.14	122.20	-11.06	Peak	No Limit
4	5850.0000	39.67	20.19	59.86	122.20	-62.34	Peak	
5	5860.0000	38.71	20.21	58.92	109.40	-50.48	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE80) Mode 5775 MHz	Polarization	Vertical
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No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11541.9750	32.69	18.16	50.85	54.00	-3.15	AVG	
2	11542.6750	43.78	18.16	61.94	74.00	-12.06	Peak	

REMARKS:

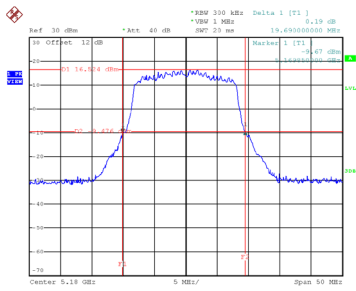
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	UNII-1_TX A Mode
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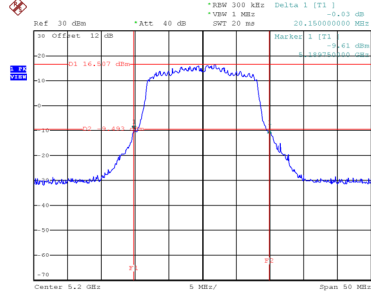
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	19.690	16.500
40	5200	20.150	16.400
48	5240	19.798	16.500

CH36



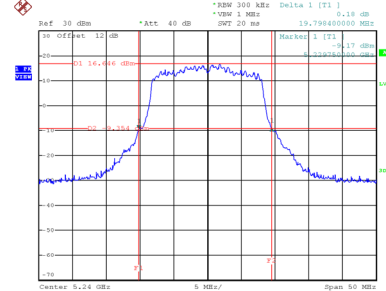
Date: 1.JAN.2003 00:11:48

CH40 26 dB Bandwidth



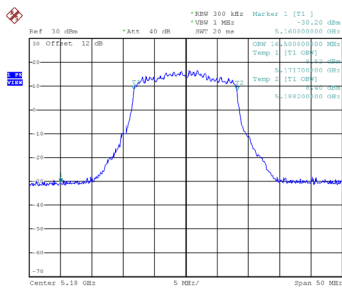
Date: 1.JAN.2003 00:12:50

CH48

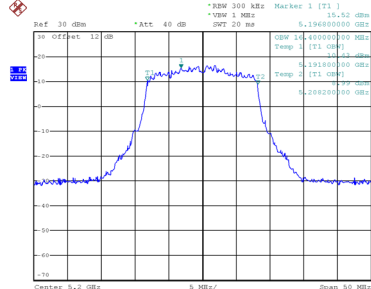


Date: 1.JAN.2003 00:13:38

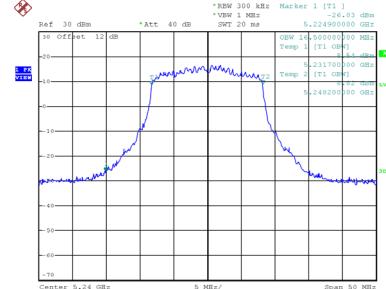
99 % Occupied Bandwidth



Date: 1.JAN.2003 00:11:28



Date: 1.JAN.2003 00:12:29

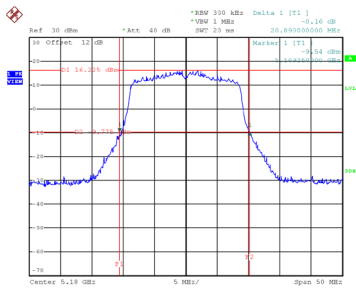


Date: 1.JAN.2003 00:13:17

Test Mode	UNII-1_TX AC(VHT20) Mode
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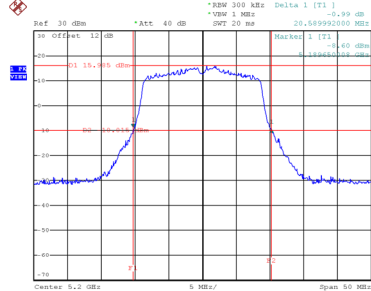
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	20.890	17.600
40	5200	20.590	17.700
48	5240	20.589	17.600

CH36



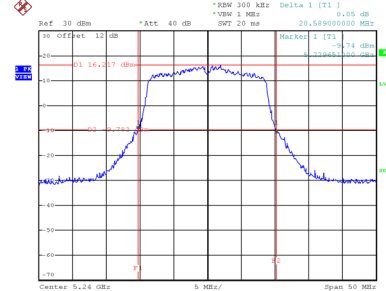
Date: 1.JAN.2003 00:26:43

CH40 26 dB Bandwidth



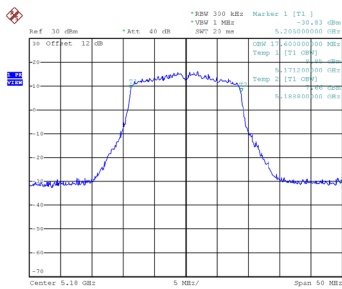
Date: 1.JAN.2003 00:27:56

CH48

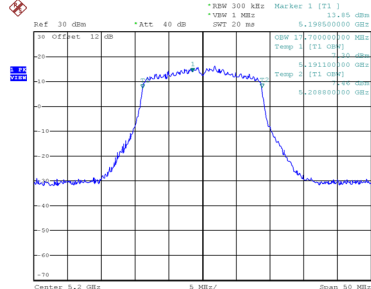


Date: 1.JAN.2003 00:29:45

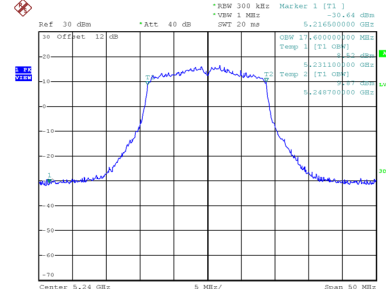
99 % Occupied Bandwidth



Date: 1.JAN.2003 00:26:23



Date: 1.JAN.2003 00:27:36



Date: 1.JAN.2003 00:29:25