



# **FCC Radio Test Report**

FCC ID: 2ADZRG240W-C

| This report concerns (check one): | $\geq$ | Original Grant |  | <b>_Class I Change</b> |  | Class II | Change |
|-----------------------------------|--------|----------------|--|------------------------|--|----------|--------|
|-----------------------------------|--------|----------------|--|------------------------|--|----------|--------|

Project No. : 1712C022 Equipment : GPON ONU Test Model : G-240W-C

Series Model : N/A

**Applicant**: Nokia Shanghai Bell Co., Ltd.

Address : No.388, Ninggiao Rd. Pilot Free Trade Zone

Shanghai China

Date of Receipt : Dec. 05, 2017

**Date of Test**: Dec. 20, 2017 ~ Mar. 04, 2018

Issued Date : Apr. 02, 2018 Tested by : BTL Inc.

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#### **Declaration**

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#### 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.

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# **REPORT ISSUED HISTORY**

| Issued No.          | Version | Description  | Issued Date   |
|---------------------|---------|--|---------------|
| BTL-FCCP-2-1712C022 | Rev.01  | Original Issue.  | Mar. 30, 2018 |
| BTL-FCCP-2-1712C022 | Rev.02  | The information of applicant and manufacturer are changed. | Apr. 02, 2018 |

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#### 1. CERTIFICATION

Equipment : GPON ONU

Brand Name : Nokia Test Model : G-240W-C

Series Model: N/A

Applicant : Nokia Shanghai Bell Co., Ltd. Manufacturer : Nokia Shanghai Bell Co., Ltd.

Address : No.388, Ningqiao Rd. Pilot Free Trade Zone Shanghai China

Factory: 1# Shenzhen Gongjin Electronics Co.,Ltd

2# Taicang T&W Electronics Co.,Ltd

Address : 1# No 2&3 Buildings, Mingwei Factory Area, Songgang Road West, No. A

Building, 1#Songgang Road Songgang Sub-District, Shenzhen, Guangdong,

518105,P.R.China

2# Jiangnan Road 89, Ludu Town, Taicang, Suzhou, Jiangsu,

215412, P.R. China

Date of Test : Dec. 20, 2017 ~ Mar. 04, 2018

Test Sample: Engineering Sample

Standard(s) : FCC Part15, Subpart E(15.407) / ANSI C63.10-2013

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1712C022) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

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# 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC Part15, Subpart E(15.407) |                                      |          |        |  |  |  |
|-------------------------------|--------------------------------------|----------|--------|--|--|--|
| Standard(s)<br>Section        | Test Item                            | Judgment | Remark |  |  |  |
| 15.207                        | AC Power Line Conducted<br>Emissions | PASS     |        |  |  |  |
| 15.407(a)                     | 26dB Spectrum Bandwidth              | PASS     |        |  |  |  |
| 15.407(a)                     | Maximum Conducted Output Power       | PASS     |        |  |  |  |
| 15.407(a)                     | Power Spectral Density               | PASS     |        |  |  |  |
| 15.407(a)                     | Radiated Emissions                   | PASS     |        |  |  |  |
| 15.407(b)                     | Band Edge Emissions                  | PASS     |        |  |  |  |
| 15.407(g)                     | Frequency Stability                  | PASS     |        |  |  |  |
| 15.203                        | Antenna Requirements                 | PASS     |        |  |  |  |

### NOTE:

(1)" N/A" denotes test is not applicable in this test report.

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#### 2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's test firm number for FCC: 854385 BTL's designation number for FCC: CN5020

### 2.2 MEASUREMENT UNCERTAINTY

The measurement uncertainty figures shall be calculated according the methods described in the ETSI TR 100 028 and shall correspond to an expansion factor (coverage factor) k=1.96 or k=2(which provide confidence levels of respectively 90% and 95.45% in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)). Measurement Uncertainty for a Level of Confidence of 95 %, U=2xUc(y).

The BTL measurement uncertainty as below table:

#### A. Conducted Measurement:

| Test Site | Method | Measurement Frequency Range | U, (dB) |
|-----------|--------|-----------------------------|---------|
| DG-C02    | CISPR  | 150 KHz ~ 30MHz             | 2.32    |

#### B. Radiated Measurement:

| Test Site | Method        | Measurement Frequency<br>Range | Ant.<br>H / V | U, (dB) |
|-----------|---------------|--------------------------------|---------------|---------|
|           |               | 9kHz~30MHz                     | V             | 3.79    |
|           |               | 9kHz~30MHz                     | Н             | 3.57    |
|           |               | 30MHz ~ 200MHz                 | V             | 3.82    |
|           | DG-CB03 CISPR | 30MHz ~ 200MHz                 | Н             | 3.60    |
| DG-CB03   |               | 200MHz ~ 1,000MHz              | V             | 3.86    |
| DG-CB03   | CISER         | 200MHz ~ 1,000MHz              | Н             | 3.94    |
|           |               | 1GHz~18GHz                     | V             | 3.12    |
|           |               | 1GHz~18GHz                     | Н             | 3.68    |
|           |               | 18GHz~40GHz                    | V             | 4.15    |
|           |               | 18GHz~40GHz                    | Н             | 4.14    |

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

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## 3. GENERAL INFORMATION

# 3.1 GENERAL DESCRIPTION OF EUT

| Equipment           | GPON ONU  |   |  |  |  |  |  |
|---------------------|---|---|--|--|--|--|--|
| Brand Name          | Nokia   |   |  |  |  |  |  |
| Test Model          | G-240W-C  |   |  |  |  |  |  |
| Series Model        | N/A   | N/A   |  |  |  |  |  |
| Model Difference    | N/A   | N/A   |  |  |  |  |  |
|                     | Operation Frequency   | UNII-1: 5150-5250MHz<br>UNII-3: 5725-5850MHz  |  |  |  |  |  |
|                     | Modulation Type   | OFDM  |  |  |  |  |  |
|                     | Bit Rate of Transmitter   | 1000Mbps  |  |  |  |  |  |
| Product Description | Output Power (Max.)for UNII-1 -<br>Non-Beamforming  | 802.11a: 21.73dBm<br>802.11n (20M): 21.08dBm<br>802.11n (40M): 23.84dBm<br>802.11ac (20M): 21.15dBm<br>802.11ac (40M): 21.44dBm<br>802.11ac (80M): 19.06dBm |  |  |  |  |  |
|                     | Output Power (Max.)for UNII-3-<br>Non-Beamforming   | 802.11a: 15.85dBm<br>802.11n (20M): 15.78dBm<br>802.11n (40M): 18.41dBm<br>802.11ac (20M): 15.77dBm<br>802.11ac (40M): 20.91dBm<br>802.11ac (80M): 22.61dBm |  |  |  |  |  |
|                     | Output Power (Max.)for UNII-1 - Beamforming   | 802.11ac (20M): 21.15dBm<br>802.11ac (40M): 21.44dBm<br>802.11ac (80M): 19.06dBm  |  |  |  |  |  |
|                     | Output Power (Max.)for UNII-3 - Beamforming   | 802.11ac (20M): 15.77dBm<br>802.11ac (40M): 20.91dBm<br>802.11ac (80M): 22.61dBm  |  |  |  |  |  |
| Power Source        | DC voltage supplied from AC/DC adapter.  1# Manufacturer / Model: Shenzhen SOY Technology Co.,Ltd / SOY-1200300US  2# Manufacturer / Model: Shenzhen SOY Technology Co.,Ltd / SUN-1200300  3# Manufacturer / Model: Mass Power Electronics Co.,Ltd / NBS40C120300M2 |   |  |  |  |  |  |
| Power Rating        | 1# I/P: 100-240V~ 50/60Hz 0.9A Max O/P: 12V== 3.0A<br>2# I/P: 100-240V~ 50/60Hz 1.2A Max O/P: 12V== 3.0A<br>3# I/P: 100-240V~ 50/60Hz 1.0A O/P: 12V== 3.0A  |   |  |  |  |  |  |

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### Note:

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

### 2. Channel List:

| dillioi Liot.               |                    |         |                    |          |                    |
|-----------------------------|--------------------|---------|--------------------|----------|--------------------|
| 802.<br>802.11n<br>802.11ad | 20MHz              |         | 40MHz<br>c 40MHz   | 802.11ad | 80MHz              |
| UNI                         | I-1                | UN      | II-1               | UN       | II-1               |
| Channel                     | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) | Channel  | Frequency<br>(MHz) |
| 36                          | 5180               | 38      | 5190               | 42       | 5210               |
| 40                          | 5200               | 46      | 5230               |          |                    |
| 44                          | 5220               |         |                    |          |                    |
| 48                          | 5240               |         |                    |          |                    |

| 802.<br>802.11n<br>802.11ac | 20MHz              |         | 40MHz<br>c 40MHz   | 802.11ad | 80MHz              |
|-----------------------------|--------------------|---------|--------------------|----------|--------------------|
| UNI                         | I-3                | UN      | II-3               | UN       | II-3               |
| Channel                     | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) | Channel  | Frequency<br>(MHz) |
| 149                         | 5745               | 151     | 5755               | 155      | 5775               |
| 153                         | 5765               | 159     | 5795               |          |                    |
| 157                         | 5785               |         |                    |          |                    |
| 161                         | 5805               |         |                    |          |                    |
| 165                         | 5825               |         |                    |          |                    |

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### 3. Antenna Specification:

| Ant. | Manufacturer | Model Name | Antenna<br>Type | Connector | Gain<br>(dBi) |
|------|--------------|------------|-----------------|-----------|---------------|
| 1    | N/A          | N/A        | PCB             | IPEX      | 2.8           |
| 2    | N/A          | N/A        | PCB             | IPEX      | 2.8           |
| 3    | N/A          | N/A        | PCB             | IPEX      | 2.8           |
| 4    | N/A          | N/A        | PCB             | IPEX      | 2.8           |

#### Note:

- 1. This EUT supports MIMO 4X4, for Beamforming function , Directional gain =  $G_{ANT}$ + Beamforming Gain, that is Directional gain =2.8+6=8.8; So, the UNII-1, UNII-3 output power limit is 30-8.8+6=27.20. The UNII-1 power density limit is 17-8.8+6=14.20, the UNII-3 power density limit is 30-8.8+6=27.20.
- 2. This EUT supports MIMO 4X4, for Non Beamforming function all transmit signals are completely uncorrelated, so Directional gain=Gant, that is Direction Gain=G<sub>Ant</sub>+10log(N<sub>Ant</sub>/Nss) NSS=1, Direction Gain=2.8+10log(4/1)=8.82 So, the UNII-1, UNII-3 output power limit is 30-8.82+6=27.18. The UNII-1 power density limit is 17-8.82+6=14.18, the UNII-3 power density limit is 30-8.82+6=27.18.

| 4. | Operating Mode  TX Mode | 4TX                         |
|----|-------------------------|-----------------------------|
|    | 802.11a                 | V (ANT+1 ANT 2+ANT 3+ANT 4) |
|    | 802.11n (20MHz)         | V (ANT+1 ANT 2+ANT 3+ANT 4) |
|    | 802.11n (40MHz)         | V (ANT+1 ANT 2+ANT 3+ANT 4) |
|    | 802.11ac (20MHz)        | V (ANT+1 ANT 2+ANT 3+ANT 4) |
|    | 802.11ac (40MHz)        | V (ANT+1 ANT 2+ANT 3+ANT 4) |
|    | 802.11ac (80MHz)        | V (ANT+1 ANT 2+ANT 3+ANT 4) |

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#### 3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| Pretest Mode | Description                               |
|--------------|---|
| Mode 1       | TX A Mode / CH36, CH40, CH48 (UNII-1)     |
| Mode 2       | TX N20 Mode / CH36, CH40, CH48 (UNII-1)   |
| Mode 3       | TX N40 Mode / CH38, CH46 (UNII-1)         |
| Mode 4       | TX AC20 Mode / CH36, CH40, CH48 (UNII-1)  |
| Mode 5       | TX AC40 Mode / CH38, CH46 (UNII-1)        |
| Mode 6       | TX AC80 Mode / CH42 (UNII-1)              |
| Mode 7       | TX A Mode / CH149,CH157,CH165 (UNII-3)    |
| Mode 8       | TX N20 Mode / CH149,CH157,CH165 (UNII-3)  |
| Mode 9       | TX N40 Mode / CH151,CH159 (UNII-3)        |
| Mode 10      | TX AC20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11      | TX AC40 Mode / CH151,CH159 (UNII-3)       |
| Mode 12      | TX AC80 Mode / CH155 (UNII-3)             |
| Mode 13      | TX Mode                                   |

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

| For Conducted Test          |  |  |  |  |
|-----------------------------|--|--|--|--|
| Final Test Mode Description |  |  |  |  |
| Mode 13 TX Mode             |  |  |  |  |

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|                 | For Radiated Test                         |  |  |  |
|-----------------|---|--|--|--|
| Final Test Mode | Description                               |  |  |  |
| Mode 1          | TX A Mode / CH36, CH40, CH48 (UNII-1)     |  |  |  |
| Mode 2          | TX N20 Mode / CH36, CH40, CH48 (UNII-1)   |  |  |  |
| Mode 3          | TX N40 Mode / CH38, CH46 (UNII-1)         |  |  |  |
| Mode 4          | TX AC20 Mode / CH36, CH40, CH48 (UNII-1)  |  |  |  |
| Mode 5          | TX AC40 Mode / CH38, CH46 (UNII-1)        |  |  |  |
| Mode 6          | TX AC80 Mode / CH42 (UNII-1)              |  |  |  |
| Mode 7          | TX A Mode / CH149,CH157,CH165 (UNII-3)    |  |  |  |
| Mode 8          | TX N20 Mode / CH149,CH157,CH165 (UNII-3)  |  |  |  |
| Mode 9          | TX N40 Mode / CH151,CH159 (UNII-3)        |  |  |  |
| Mode 10         | TX AC20 Mode / CH149,CH157,CH165 (UNII-3) |  |  |  |
| Mode 11         | TX AC40 Mode / CH151,CH159 (UNII-3)       |  |  |  |
| Mode 12         | TX AC80 Mode / CH155 (UNII-3)             |  |  |  |

### Note:

(1) For radiated below 1GHz test, the 802.11a mode is found to be the worst case and recorded.

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### 3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product

| UNII-1- Non-Beamforming |                                      |                |      |  |  |
|-------------------------|--------------------------------------|----------------|------|--|--|
| Test Software Version   | vare Version accessMTool_REL_3_0_0_1 |                |      |  |  |
| Frequency (MHz)         | 5180                                 | 5180 5200 5240 |      |  |  |
| A Mode                  | 56                                   | 52             |      |  |  |
| Frequency (MHz)         | 5180                                 | 5200           | 5240 |  |  |
| N20 Mode                | 54                                   | 54 52          |      |  |  |
| Frequency (MHz)         | 5190 5230                            |                |      |  |  |
| N40 Mode                | 62                                   | 54             |      |  |  |

| UNII-3- Non-Beamforming |                         |                |    |  |  |
|-------------------------|-------------------------|----------------|----|--|--|
| Test Software Version   | accessMTool_REL_3_0_0_1 |                |    |  |  |
| Frequency (MHz)         | 5745                    | 5745 5785 5825 |    |  |  |
| A Mode                  | 42                      | 40             |    |  |  |
| Frequency (MHz)         | 5745                    | 5825           |    |  |  |
| N20 Mode                | 42 42                   |                | 40 |  |  |
| Frequency (MHz)         | 5755                    |                |    |  |  |
| N40 Mode                | 50                      | 48             |    |  |  |

| UNII-1- Non-Beamforming |      |                         |    |  |  |
|-------------------------|------|-------------------------|----|--|--|
| Test Software Version   | acc  | accessMTool_REL_3_0_0_1 |    |  |  |
| Frequency (MHz)         | 5180 | 5180 5200 5240          |    |  |  |
| AC20 Mode               | 54   | 52                      | 52 |  |  |
| Frequency (MHz)         | 5190 | 5230                    |    |  |  |
| AC40 Mode               | 52   | 42                      |    |  |  |
| Frequency (MHz)         | 5210 |                         |    |  |  |
| AC80 Mode               | 44   |                         |    |  |  |

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| UNII-3- Non-Beamforming |                         |      |  |  |
|-------------------------|-------------------------|------|--|--|
| Test Software Version   | accessMTool_REL_3_0_0_1 |      |  |  |
| Frequency (MHz)         | 5745 5785 5825          |      |  |  |
| AC20 Mode               | 42                      | 40   |  |  |
| Frequency (MHz)         | 5755                    | 5795 |  |  |
| AC40 Mode               | 56                      | 48   |  |  |
| Frequency (MHz)         | 5775                    |      |  |  |
| AC80 Mode               | 60                      |      |  |  |

| UNII-1- Beamforming   |                         |      |    |  |
|-----------------------|-------------------------|------|----|--|
| Test Software Version | accessMTool_REL_3_0_0_1 |      |    |  |
| Frequency (MHz)       | 5180 5200 5240          |      |    |  |
| AC20 Mode             | 54                      | 52   | 52 |  |
| Frequency (MHz)       | 5190                    | 5230 |    |  |
| AC40 Mode             | 52                      | 42   |    |  |
| Frequency (MHz)       | 5210                    |      |    |  |
| AC80 Mode             | 44                      |      |    |  |

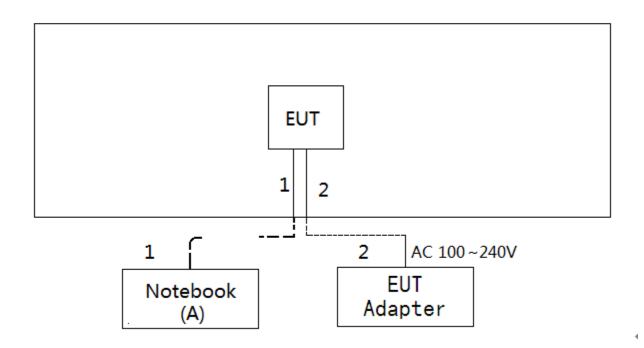
| UNII-3- Beamforming   |      |                         |    |  |  |
|-----------------------|------|-------------------------|----|--|--|
| Test Software Version | acc  | accessMTool_REL_3_0_0_1 |    |  |  |
| Frequency (MHz)       | 5745 | 5745 5785 5825          |    |  |  |
| AC20 Mode             | 42   | 42                      | 40 |  |  |
| Frequency (MHz)       | 5755 | 5795                    |    |  |  |
| AC40 Mode             | 56   | 48                      |    |  |  |
| Frequency (MHz)       | 5775 |                         |    |  |  |
| AC80 Mode             | 60   |                         |    |  |  |

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### 3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



### 3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Mfr/Brand | Model/Type No. | FCC ID | Series No.   |
|------|-----------|-----------|----------------|--------|--------------|
| Α    | Notebook  | DELL      | INSPIRON 1420  | DOC    | JX193A01SDC2 |

| Item | Shielded Type | Ferrite Core | Length | Note       |
|------|---------------|--------------|--------|------------|
| 1    | NO            | NO           | 10m    | RJ45 Cable |
| 2    | NO            | NO           | 1.2m   | DC Cable   |

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#### 4. EMC EMISSION TEST

#### 4.1 CONDUCTED EMISSION MEASUREMENT

### 4.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150kHz-30MHz)

| FREQUENCY (MHz)  | Class A (dBuV) |         | Class B (dBuV) |           |
|------------------|----------------|---------|----------------|-----------|
| PREQUENCY (MIDZ) | Quasi-peak     | Average | Quasi-peak     | Average   |
| 0.15 -0.5        | 79.00          | 66.00   | 66 - 56 *      | 56 - 46 * |
| 0.50 -5.0        | 73.00          | 60.00   | 56.00          | 46.00     |
| 5.0 -30.0        | 73.00          | 60.00   | 60.00          | 50.00     |

#### Note:

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

#### **4.1.2 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 equipments 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.

### 4.1.3 DEVIATION FROM TEST STANDARD

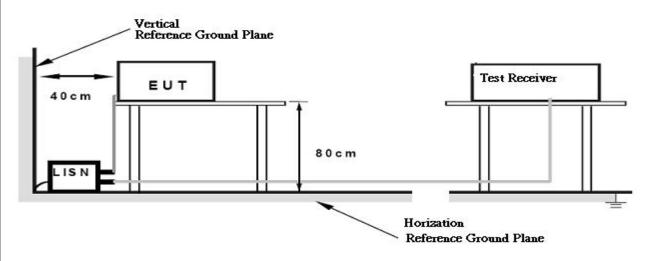
No deviation

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#### 4.1.4 TEST SETUP



#### 4.1.5 EUT OPERATING 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 mode.

### 4.1.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 53% Test Voltage: AC 120V/60Hz

### 4.1.7 TEST RESULTS

Please refer to the Appendix A.

#### Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note ... If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform on this case, a " \* " marked in AVG Mode column of Interference Voltage Measured on the Note of Interference Voltage Measured on the Note
- (2) Measuring frequency range from 150kHz to 30MHz o

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#### 4.2 RADIATED EMISSION MEASUREMENT

#### 4.2.1 RADIATED EMISSION LIMITS

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.

| Frequencies | Field Strength     | Measurement Distance |
|-------------|--------------------|----------------------|
| (MHz)       | (micorvolts/meter) | (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                    |

| Frequencies<br>(MHz) | EIRP Limit (dBm) | Equivalent Field Strength at 3m (dBµV/m) |
|----------------------|------------------|--|
| 5150-5250            | -27              | 68.3                                     |
| 5725-5850            | -27(Note 2)      | 68.3                                     |
|                      | 10(Note 2)       | 105.3                                    |
|                      | 15.6(Note 2)     | 110.9                                    |
|                      | 27(Note 2)       | 122.3                                    |

### Note:

1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:  $E = \frac{1000000\sqrt{30P}}{3} \mu V/m$ , where P is the eirp (Watts)

2. According to FCC 16-24,All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below theband edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above orbelow the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

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#### 4.2.2 TEST PROCEDURE

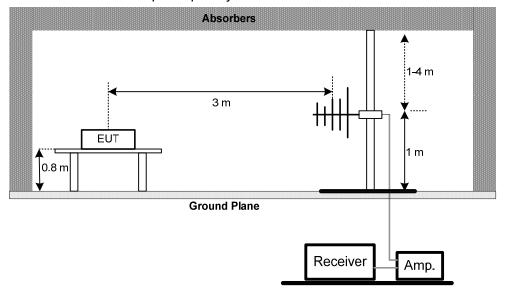
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance 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 1GHz.
- 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 1GHz)
- 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 1GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 4.2.3 DEVIATION FROM TEST STANDARD

No deviation

#### 4.2.4 TEST SETUP

(A)Radiated Emission Test Set-Up Frequency Below 1GHz

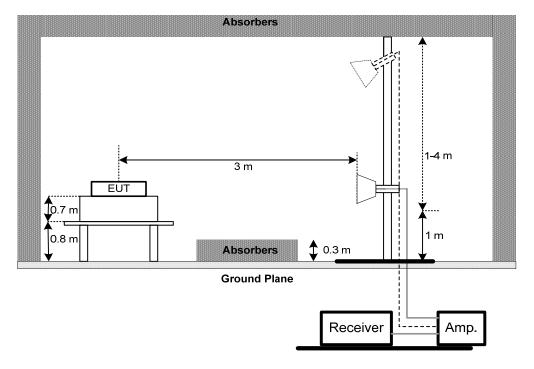


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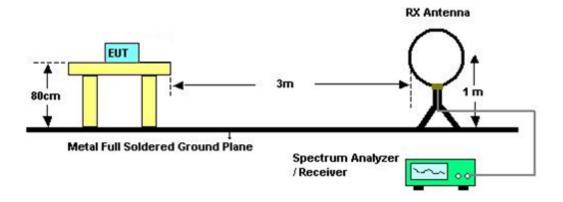




# (B) Radiated Emission Test Set-Up Frequency Above 1 GHz



### (C) Radiated emissions below 30MHz



### 4.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

### **4.2.6 EUT TEST CONDITIONS**

Temperature: 25°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

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### 4.2.7 TEST RESULTS (9K TO 30MHz)

Please refer to the Appendix B

#### Remark:

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

### 4.2.8 TEST RESULTS (BETWEEN 30 TO 1000 MHz)

Please refer to the Appendix C.

### 4.2.9 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.

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### 5. 26dB SPECTRUM BANDWIDTH

### 5.1 APPLIED PROCEDURES / LIMIT

| FCC Part15, Subpart E |                                    |           |        |
|-----------------------|------------------------------------|-----------|--------|
| Test Item             | Limit Frequency Range (MHz) Result |           | Result |
|                       | 26 dB Bandwidth                    | 5150-5250 | PASS   |
| Bandwidth             | Minimum 500kHz 6dB<br>Bandwidth    | 5725-5850 | PASS   |

#### **5.1.1 TEST PROCEDURE**

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

| Spectrum Parameters | Setting                         |
|---------------------|---------------------------------|
| Attenuation         | Auto                            |
| Span Frequency      | > 26dB Bandwidth                |
| RBW                 | 300 kHz(Bandwidth 20MHz)        |
| KDW                 | 1MHz(Bandwidth 40MHz and 80MHz) |
| VBW                 | 1MHz(Bandwidth 20MHz)           |
| VDVV                | 3MHz(Bandwidth 40MHz and 80MHz) |
| Detector            | Peak                            |
| Trace Max Hold      |                                 |
| Sweep Time          | Auto                            |

C. Measured the spectrum width with power higher than 26dB below carrier

#### **5.1.2 DEVIATION FROM STANDARD**

No deviation.

#### 5.1.3 TEST SETUP



### **5.1.4 EUT OPERATION CONDITIONS**

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

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| 5.1.5 EUT TEST CONDITIONS |                        |                            |  |
|---------------------------|------------------------|----------------------------|--|
| Temperature: 25°C         | Relative Humidity: 60% | Test Voltage: AC 120V/60Hz |  |
| 5.1.6 TEST RESULT         |                        |                            |  |
| Please refer to the Ap    |                        |                            |  |
|                           |                        |                            |  |
|                           |                        |                            |  |
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### **6. MAXIMUM CONDUCTED OUTPUT POWER**

### **6.1 APPLIED PROCEDURES / LIMIT**

| FCC Part15, Subpart E  |   |           |        |
|------------------------|---|-----------|--------|
| Test Item              | Limit Frequency Range Resul                               |           | Result |
| Conducted Output Power | Fixed:1 Watt (30dBm)  Mobile and portable:  250mW (24dBm) | 5150-5250 | PASS   |
|                        | 1 Watt (30dBm)  | 5725-5850 | PASS   |

Note: The maximum e.i.r.p at anyelevation angle above 30 degrees as measured from the horizon must not exceed 125mW(21dBm)

### **6.1.1 TEST PROCEDURE**

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,

b.

| Spectrum Parameter | Setting   |
|--------------------|---|
| Attenuation        | Auto  |
| Cana Fanning       | Encompass the entire emissions bandwidth (EBW) of the |
| Span Frequency     | signal  |
| RBW                | = 1MHz.   |
| VBW                | ≥ 3MHz.   |
| Detector           | RMS   |
| Trace              | Max Hold  |
| Sweep Time         | auto  |

c. Test was performed in accordance with method of KDB 789033 D02.

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### **6.1.2 DEVIATION FROM STANDARD**

No deviation.

### 6.1.3 TEST SETUP

| EUT | Power Meter  |
|-----|--------------|
|     | 1 Ower meter |

### **6.1.4 EUT OPERATION CONDITIONS**

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

### **6.1.5 EUT TEST CONDITIONS**

Temperature: 25°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

### **6.1.6 TEST RESULTS**

Please refer to the Appendix F.

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### 7. POWER SPECTRAL DENSITY TEST

### 7.1 APPLIED PROCEDURES / LIMIT

| FCC Part15, Subpart E     |  |                             |        |
|---------------------------|--|-----------------------------|--------|
| Test Item                 | Limit  | Frequency<br>Range<br>(MHz) | Result |
| Power Spectral<br>Density | Other then Mobile and<br>portable:17dBm/MHz<br>Mobile and portable:11dBm/MHz | 5150-5250                   | PASS   |
|                           | 30dBm/500kHz   | 5725-5850                   | PASS   |

#### **8.1.1 TEST PROCEDURE**

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

|    | in a steer diagram selen, |   |  |
|----|---------------------------|---|--|
| b. | Spectrum Parameter        | Setting   |  |
|    | Attenuation               | Auto  |  |
|    | Span Fraguenov            | Encompass the entire emissions bandwidth (EBW) of the |  |
|    | Span Frequency            | signal  |  |
|    | RBW                       | = 1MHz.   |  |
|    | VBW                       | ≥ 3MHz.   |  |
|    | Detector                  | RMS   |  |
|    | Trace average             | 100 trace   |  |
|    | Sweep Time                | Auto  |  |

#### Note:

- 1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v01r02, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.
- 2. The value measured with RBW=1MHz is to be added with 10log(500kHz/1MHz) which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.

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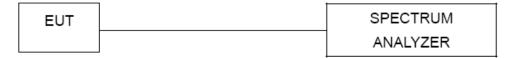




### 7.1.1 DEVIATION FROM STANDARD

No deviation.

### 7.1.2 TEST SETUP



### 7.1.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

### 7.1.4 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

### 7.1.5 TEST RESULTS

Please refer to the Appendix H.

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### **8. FREQUENCY STABILITY MEASUREMENT**

### 8.1 APPLIED PROCEDURES / LIMIT

| FCC Part15, Subpart E                        |                  |           |      |
|--|------------------|-----------|------|
| Test Item Limit Frequency Range (MHz) Result |                  | Result    |      |
| For more or Otale life.                      | Specified in the | 5150-5250 | PASS |
| Frequency Stability                          | user's manual    | 5725-5850 | PASS |

### **8.1.1 TEST PROCEDURE**

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

|    | ine block diagram bolow,   |  |  |
|----|----------------------------|--|--|
| b. | Spectrum Parameter Setting |  |  |
|    | Attenuation                | Auto   |  |
|    | Span Frequency             | Entire absence of modulation emissions bandwidth |  |
|    | RBW                        | 10 kHz   |  |
|    | VBW                        | 10 kHz   |  |
|    | Sweep Time                 | Auto   |  |

c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

### **8.1.2 DEVIATION FROM STANDARD**

No deviation.

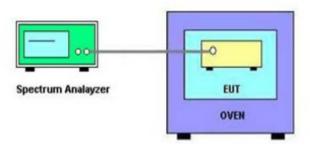
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d. User manual temperature is 0°C~55°C.





### 8.1.3 TEST SETUP



### **8.1.4 EUT OPERATION CONDITIONS**

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

### **8.1.5 EUT TEST CONDITIONS**

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

### 8.1.6 TEST RESULTS

Please refer to the Appendix I.

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# 9. MEASUREMENT INSTRUMENTS LIST

|                                     | Conducted Emission    |              |                          |               |                  |  |  |
|-------------------------------------|-----------------------|--------------|--------------------------|---------------|------------------|--|--|
| Item Kind of Equipment Manufacturer |                       | Manufacturer | Type No.                 | Serial No.    | Calibrated until |  |  |
| 1                                   | EMI Test Receiver     | R&S          | ESCI                     | 100382        | Mar. 26, 2018    |  |  |
| 2                                   | LISN                  | EMCO         | 3816/2                   | 52765         | Mar. 26, 2018    |  |  |
| 3                                   | 50Ω Terminator        | SHX          | TF2-3G-A                 | 8122901       | Mar. 26, 2018    |  |  |
| 4                                   | TWO-LINE<br>V-NETWORK | ENV216       | 101447                   | Mar. 26, 2018 |                  |  |  |
| 5                                   | Measurement Farad     |              | EZ-EMC<br>Ver.NB-03A1-01 | N/A           | N/A              |  |  |
| 6                                   | Cable                 | N/A          | RG223                    | 12m           | Oct. 19, 2018    |  |  |

|      | Radiated Emission Below 1GHz |              |                                |             |                  |  |  |
|------|------------------------------|--------------|--------------------------------|-------------|------------------|--|--|
| Item | Kind of Equipment            | Manufacturer | Type No.                       | Serial No.  | Calibrated until |  |  |
| 1    | Antenna                      | Schwarbeck   | VULB9160                       | 9160-3232   | Mar. 26, 2018    |  |  |
| 2    | Amplifier                    | HP           | 8447D                          | 2944A09673  | Oct. 19, 2018    |  |  |
| 3    | Receiver                     | Agilent      | N9038A                         | MY52130039  | Aug. 20, 2018    |  |  |
| 4    | Cable                        | emci         | LMR-400(30MHz-1<br>GHz)(8m+5m) | N/A         | Jun. 26, 2018    |  |  |
| 5    | Controller                   | CT           | SC100                          | N/A         | N/A              |  |  |
| 6    | Controller                   | MF           | MF-7802                        | MF780208416 | N/A              |  |  |
| 7    | Measurement<br>Software      | Farad        | EZ-EMC<br>Ver.NB-03A1-01       | N/A         | N/A              |  |  |
| 8    | Antenna                      | EM           | EM-6876-1                      | 230         | Mar. 06, 2018    |  |  |

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|      | Radiated Emission Above 1GHz              |                   |                             |               |                  |  |  |
|------|---|-------------------|-----------------------------|---------------|------------------|--|--|
| Item | tem Kind of Equipment Manufacturer        |                   | Type No.                    | Serial No.    | Calibrated until |  |  |
| 1    | Double Ridged<br>Guide Antenna            | ETS               | 3115                        | 75789         | Mar. 26, 2018    |  |  |
| 2    | Broad-Band Horn<br>Antenna                | Schwarzbeck       | BBHA 9170                   | 9170319       | Jun. 08, 2018    |  |  |
| 3    | Amplifier                                 | Agilent           | 8449B                       | 3008A02274    | May. 16, 2018    |  |  |
| 4    | Microwave<br>Preamplifier With<br>Adaptor | EMC<br>INSTRUMENT | EMC2654045                  | 980039 & HA01 | Mar. 26, 2018    |  |  |
| 5    | Receiver                                  | Agilent           | N9038A                      | MY52130039    | Aug. 20, 2018    |  |  |
| 6    | Antenna                                   | EM                | EM-6876-1                   | 230           | Mar. 06, 2018    |  |  |
| 7    | Controller                                | СТ                | SC100                       | N/A           | N/A              |  |  |
| 8    | Controller                                | MF                | MF-7802                     | MF780208416   | N/A              |  |  |
| 9    | Cable                                     | emci              | EMC104-SM-SM-1<br>2000(12m) | N/A           | Jun. 26, 2018    |  |  |
| 10   | Measurement<br>Software                   | Farad             | EZ-EMC<br>Ver.NB-03A1-01    | N/A           | N/A              |  |  |

| Spectrum Bandwidth Measurement |                   |              |          |            |                  |  |
|--------------------------------|-------------------|--------------|----------|------------|------------------|--|
| Item                           | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |  |
| 1                              | Spectrum Analyzer | R&S          | FSP40    | 100185     | Aug. 20, 2018    |  |

|      | Maximum Conducted Output Power Measurement |              |          |            |                  |  |  |
|------|--|--------------|----------|------------|------------------|--|--|
| Item | Kind of Equipment                          | Manufacturer | Type No. | Serial No. | Calibrated until |  |  |
| 1    | Power Meter                                | ANRITSU      | ML2495A  | 1128009    | Mar. 26, 2018    |  |  |
| 2    | Pulse Power<br>Sensor                      | ANRITSU      | MA 2411B | 1027500    | Mar. 26, 2018    |  |  |

|      | Power Spectral Density Measurement |              |          |            |                  |  |
|------|------------------------------------|--------------|----------|------------|------------------|--|
| Item | Kind of Equipment                  | Manufacturer | Type No. | Serial No. | Calibrated until |  |
| 1    | Spectrum Analyzer                  | R&S          | FSP40    | 100185     | Aug. 20, 2018    |  |

|      | Frequency Stability Measurement |              |          |             |                  |  |  |
|------|---------------------------------|--------------|----------|-------------|------------------|--|--|
| Item | Kind of Equipment               | Manufacturer | Type No. | Serial No.  | Calibrated until |  |  |
| 1    | Spectrum Analyzer               | R&S          | FSP40    | 100185      | Aug. 20, 2018    |  |  |
| 2    | Precision Oven<br>Tester        | Bell         | BTH-50C  | 20170306001 | Mar. 26, 2018    |  |  |

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

All calibration period of equipment list is one year.

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# **10. EUT TEST PHOTOS**







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# **Radiated Measurement Photos**

# 9kHz to 30MHz





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# **Radiated Measurement Photos**

# 30MHz to 1000MHz





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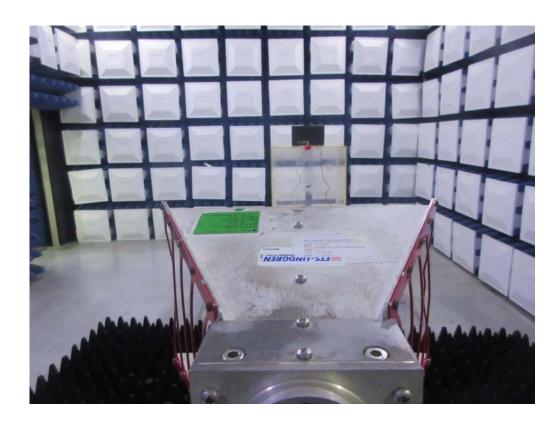




# **Radiated Measurement Photos**

# Above 1000MHz





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| APPENDIX A - CONDUCTED EMISSION |
|---------------------------------|
|                                 |
|                                 |
|                                 |
|                                 |
|                                 |
|                                 |
|                                 |

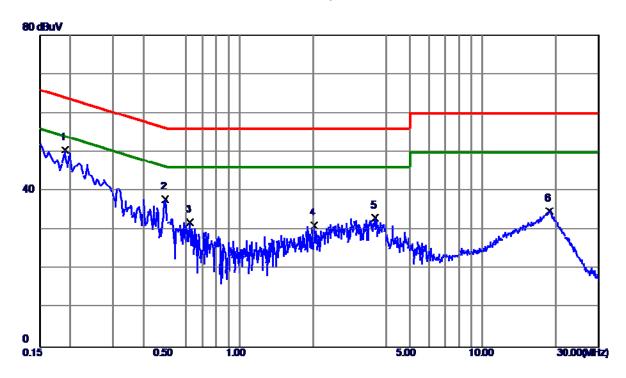
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Test Mode : Normal Link\_ Adapter: SUN-1200300

## Line



| No. | Freq.   | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit         | Margin         |          |         |
|-----|---------|------------------|-------------------|-----------------|---------------|----------------|----------|---------|
|     | MHz     | dBuV             | dB                | dBuV            | dBuV          | ₫B             | Detector | Comment |
| 1 * | 0.1905  | 10.83            | 9.70              | 50. 53          | 64.01         | -13. 48        | Pcak     |         |
| 2   | 0.4920  | 28. 15           | 9.71              | 37.86           | <b>56.</b> 13 | -18. 27        | Peak     |         |
| 3   | 0.6225  | 22.26            | 9.71              | 31.97           | 56.00         | -24.03         | Peak     |         |
| 4   | 2.0264  | 21.54            | 9.71              | 31. 25          | 56.00         | -24.75         | Peak     |         |
| 5   | 3.6015  | 23.45            | 9.73              | 33. 18          | 56.00         | -22.82         | Peak     |         |
| 6   | 18.8564 | 24.88            | 9.96              | 34.84           | 60.00         | <b>-25. 16</b> | Peak     |         |
|     |         |                  |                   |                 |               |                |          |         |

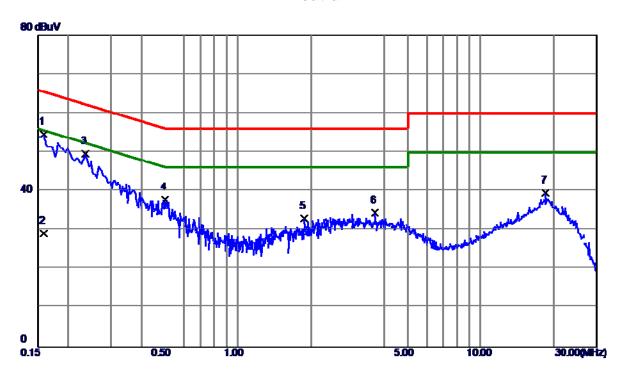
Report No.: BTL-FCCP-2-1712C022 Page 38 of 429





Test Mode : Normal Link\_ Adapter: SUN-1200300

## **Neutral**



| No. | Freq.    | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin          |          |         |
|-----|----------|------------------|-------------------|-----------------|--------|-----------------|----------|---------|
|     | MHz      | dBuV             | dB                | dBuV            | dBuV   | ₫B              | Detector | Comment |
| 1 * | 0.1590   | 11.93            | 9.61              | 51. 51          | 65. 52 | -10. 98         | Pcak     |         |
| 2   | 0.1590   | 19.50            | 9.61              | 29. 11          | 55. 52 | -26.41          | AVG      |         |
| 3   | 0.2355   | 39. 96           | 9.61              | 49. 57          | 62. 25 | -12. 68         | Peak     |         |
| 4   | 0.5010   | 28.08            | 9.61              | 37.69           | 56.00  | -18. 31         | Peak     |         |
| 5   | 1.8735   | 23.31            | 9.63              | 32. 94          | 56.00  | -23.06          | Peak     |         |
| 6   | 3.6780   | 24.69            | 9.65              | 34. 34          | 56.00  | -21.66          | Peak     |         |
| 7   | 18. 5550 | 29.43            | 10. 04            | 39. 47          | 60.00  | -2 <b>0.</b> 53 | Peak     |         |
|     |          |                  |                   |                 |        |                 |          |         |

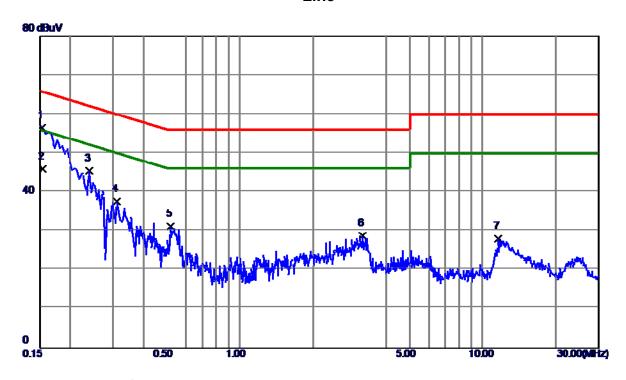
Report No.: BTL-FCCP-2-1712C022 Page 39 of 429





Test Mode: Normal Link\_ Adapter: NBS40C120300M2

## Line



| No. | Freq.    | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit                 | Margin  |          |         |
|-----|----------|------------------|-------------------|-----------------|-----------------------|---------|----------|---------|
|     | MHz      | dBuV             | dB                | dBuV            | dBuV                  | ₫B      | Detector | Comment |
| 1 * | 0.1532   | 16.67            | 9.75              | 56. 42          | 65.82                 | -9. 10  | Pcak     |         |
| 2   | 0.1548   | 36.21            | 9.75              | 45. 96          | 55.74                 | -9. 78  | AVG      |         |
| 3   | 0.2400   | 35.65            | 9.72              | <b>45. 3</b> 7  | <b>62.</b> 1 <b>0</b> | -16. 73 | Peak     |         |
| 4   | 0.3120   | 27.87            | 9.72              | 37. 59          | 59.92                 | -22.33  | Peak     |         |
| 5   | 0.5190   | 21.50            | 9.76              | 31. 26          | 56.00                 | -24.74  | Peak     |         |
| 6   | 3. 1965  | 18.90            | 9.86              | 28. 76          | 56.00                 | -27.24  | Peak     |         |
| 7   | 11. 5755 | 17.87            | 10. 15            | 28. 02          | 60.00                 | -31. 98 | Peak     |         |
|     |          |                  |                   |                 |                       |         |          |         |

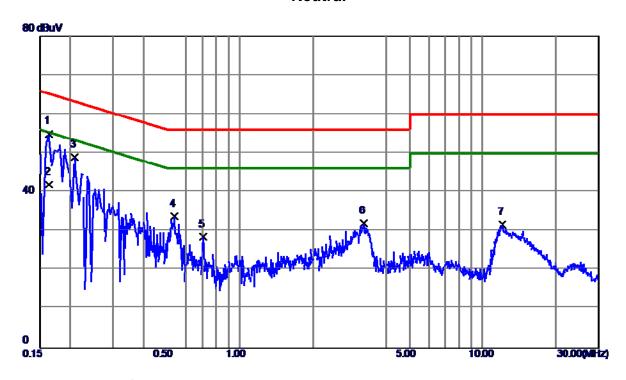
Report No.: BTL-FCCP-2-1712C022 Page 40 of 429





Test Mode: Normal Link\_ Adapter: NBS40C120300M2

## **Neutral**



| No. | Freq.   | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit         | Margin  |          |         |
|-----|---------|------------------|-------------------|-----------------|---------------|---------|----------|---------|
|     | MHz     | dBuV             | dB                | dBuV            | dBuV          | ₫B      | Detector | Comment |
| 1 * | 0.1635  | <b>15.32</b>     | 9.64              | 51. 96          | 65. 28        | -10. 32 | Pcak     |         |
| 2   | 0.1635  | 32.24            | 9.64              | 41.88           | <b>55. 28</b> | -13.40  | AVG      |         |
| 3   | 0.2085  | 39. 30           | 9.65              | 48. 95          | 63. 26        | -14.31  | Peak     |         |
| 4   | 0.5370  | 24.13            | 9.66              | 33. 79          | 56.00         | -22. 21 | Peak     |         |
| 5   | 0.7035  | 18.87            | 9.67              | 28. 54          | 56.00         | -27. 46 | Peak     |         |
| 6   | 3.2370  | 22.29            | 9.77              | 32.06           | 56.00         | -23.94  | Peak     |         |
| 7   | 12.0525 | 21.47            | 10. 16            | 31.63           | 60.00         | -28.37  | Peak     |         |
|     |         |                  |                   |                 |               |         |          |         |

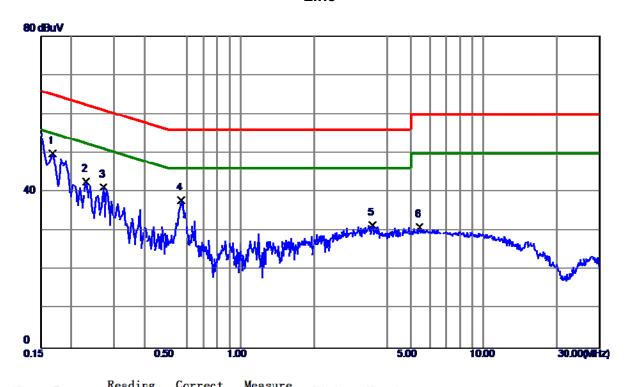
Report No.: BTL-FCCP-2-1712C022 Page 41 of 429





Test Mode: Normal Link\_ Adapter: SOY-1200300US

## Line



| No. | Freq.  | Level | Factor | measure<br>ment | Limit | Margin  |          |         |
|-----|--------|-------|--------|-----------------|-------|---------|----------|---------|
|     | MHz    | dBuV  | dB     | dBuV            | dBuV  | ₫B      | Detector | Comment |
| 1 * | 0.1680 | 10.11 | 9.78   | 19. 92          | 65.06 | -15. 14 | Pcak     |         |
| 2   | 0.2310 | 32.99 | 9.76   | 42.75           | 62.41 | -19. 66 | Peak     |         |
| 3   | 0.2714 | 31.50 | 9.76   | 41. 26          | 61.07 | -19.81  | Peak     |         |
| 4   | 0.5685 | 28.05 | 9.81   | 37.86           | 56.00 | -18. 14 | Peak     |         |
| 5   | 3.4800 | 21.51 | 10. 01 | 31. 52          | 56.00 | -24.48  | Peak     |         |
| 6   | 5.4555 | 20.90 | 10. 11 | 31. 01          | 60.00 | -28.99  | Peak     |         |
|     |        |       |        |                 |       |         |          |         |

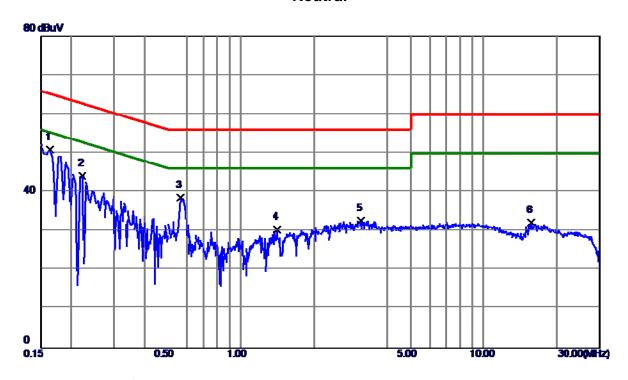
Report No.: BTL-FCCP-2-1712C022 Page 42 of 429





Test Mode : Normal Link\_ Adapter: SOY-1200300US

## **Neutral**



| No. | Freq.    | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz      | dBuV             | dB                | dBuV            | dBuV   | dB      | Detector | Comment |
| 1 * | 0.1635   | 11.21            | 9.68              | 50.92           | 65. 28 | -11. 36 | Peak     |         |
| 2   | 0.2220   | 34.47            | 9.68              | 44. 15          | 62.74  | -18. 59 | Peak     |         |
| 3   | 0.5639   | 28.80            | 9.71              | 38. 51          | 56.00  | -17. 49 | Peak     |         |
| 4   | 1.4100   | 20.67            | 9.78              | 30. 45          | 56.00  | -25.55  | Peak     |         |
| 5   | 3. 1245  | 22.69            | 9.91              | 32. 60          | 56.00  | -23. 40 | Peak     |         |
| 6   | 15. 6660 | 21.46            | 10.65             | 32. 11          | 60.00  | -27.89  | Peak     |         |
|     |          |                  |                   |                 |        |         |          |         |

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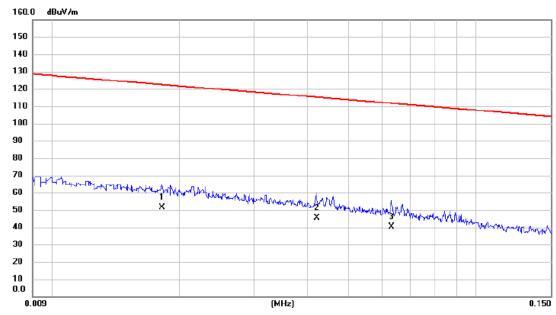
| APPENDIX B - RADIATED EMISSION (9KHZ TO 30MHZ) |  |
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# Ant 0°



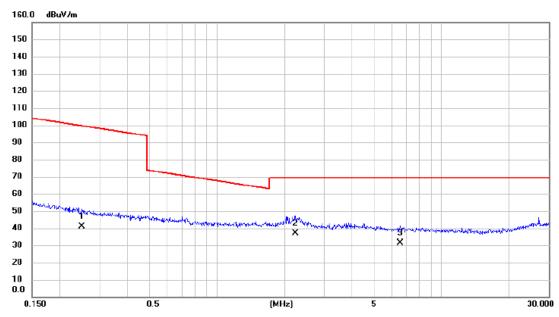
| No. Mk. | Freq.  | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit  | Margin |          |         |
|---------|--------|------------------|-------------------|------------------|--------|--------|----------|---------|
|         | MHz    | dBuV             | dB                | dBuV/m           | dBuV/m | dB     | Detector | Comment |
| 1       | 0.0182 | 31.70            | 19.85             | 51.55            | 122.40 | -70.85 | AVG      |         |
| 2 *     | 0.0422 | 26.60            | 18.95             | 45.55            | 115.10 | -69.55 | AVG      |         |
| 3       | 0.0631 | 21.60            | 18.47             | 40.07            | 111.60 | -71.53 | AVG      |         |

Report No.: BTL-FCCP-2-1712C022 Page 45 of 429





## Ant 0°



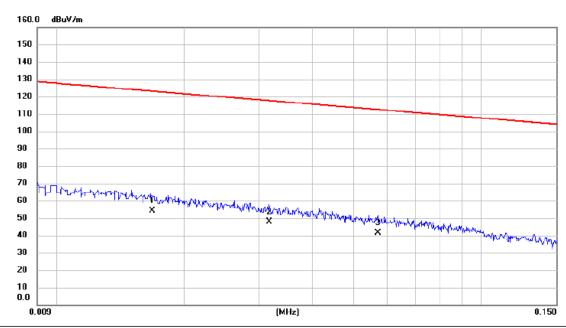
| No. | Mk. | Freq.  |       | Correct<br>Factor | Measure-<br>ment |        | Margin |          |         |
|-----|-----|--------|-------|-------------------|------------------|--------|--------|----------|---------|
|     |     | MHz    | dBuV  | dB                | dBuV/m           | dBuV/m | dB     | Detector | Comment |
| 1   |     | 0.2508 | 24.23 | 16.66             | 40.89            | 99.62  | -58.73 | AVG      |         |
| 2   | *   | 2.2367 | 21.66 | 15.44             | 37.10            | 69.54  | -32.44 | QP       |         |
| 3   |     | 6.5227 | 17.10 | 14.18             | 31.28            | 69.54  | -38.26 | QP       |         |

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## Ant 90°



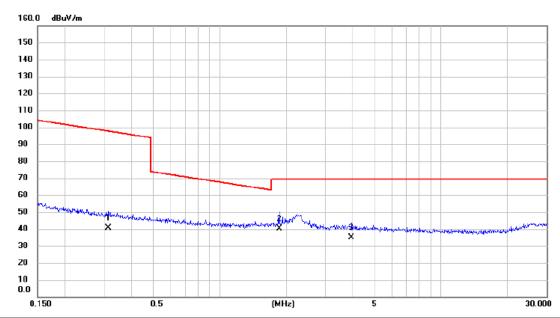
| No. | Mk. | Freq.  |       | Correct<br>Factor | Measure-<br>ment | Limit  | Margin |          |         |
|-----|-----|--------|-------|-------------------|------------------|--------|--------|----------|---------|
|     |     | MHz    | dBuV  | dB                | dBuV/m           | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 0.0168 | 33.99 | 20.04             | 54.03            | 123.10 | -69.07 | AVG      |         |
| 2   |     | 0.0317 | 28.67 | 19.27             | 47.94            | 117.58 | -69.64 | AVG      |         |
| 3   |     | 0.0570 | 22.66 | 18.59             | 41.25            | 112.49 | -71.24 | AVG      |         |
|     |     |        |       |                   |                  |        |        |          |         |

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## Ant 90°



| No. Mk. | Freq.  | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit  | Margin |          |         |
|---------|--------|------------------|-------------------|------------------|--------|--------|----------|---------|
|         | MHz    | dBuV             | dB                | dBuV/m           | dBuV/m | dB     | Detector | Comment |
| 1       | 0.3133 | 24.03            | 16.61             | 40.64            | 97.69  | -57.05 | AVG      |         |
| 2 *     | 1.8680 | 24.69            | 15.56             | 40.25            | 69.54  | -29.29 | QP       |         |
| 3       | 3.9430 | 19.94            | 14.97             | 34.91            | 69.54  | -34.63 | QP       |         |

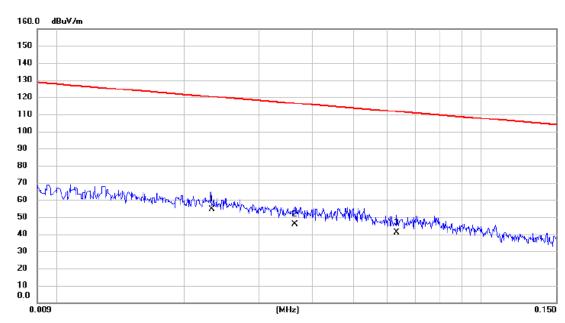
Report No.: BTL-FCCP-2-1712C022 Page 48 of 429





Test Mode: TX MODE \_ Adapter: NBS40C120300M2

## Ant 0°



| No. | Mk. | Freq.  |       | Correct<br>Factor | Measure-<br>ment | Limit  | Margin |          |         |
|-----|-----|--------|-------|-------------------|------------------|--------|--------|----------|---------|
|     |     | MHz    | dBuV  | dB                | dBuV/m           | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 0.0232 | 35.18 | 19.52             | 54.70            | 120.30 | -65.60 | AVG      |         |
| 2   |     | 0.0364 | 26.56 | 19.13             | 45.69            | 116.38 | -70.69 | AVG      |         |
| 3   |     | 0.0632 | 22.39 | 18.47             | 40.86            | 111.59 | -70.73 | AVG      |         |
|     |     |        |       |                   |                  |        |        |          |         |

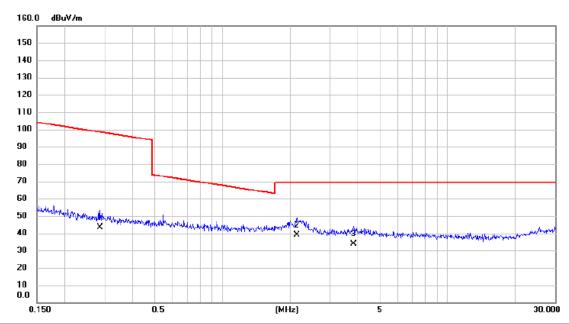
Report No.: BTL-FCCP-2-1712C022 Page 49 of 429





Test Mode: TX MODE\_ Adapter: NBS40C120300M2

## Ant 0°



| No. Mk. | Freq.  | Reading<br>Level |       | Measure-<br>ment | Limit  | Margin |          |         |
|---------|--------|------------------|-------|------------------|--------|--------|----------|---------|
|         | MHz    | dBuV             | dB    | dBuV/m           | dBuV/m | dB     | Detector | Comment |
| 1       | 0.2863 | 26.81            | 16.63 | 43.44            | 98.47  | -55.03 | AVG      |         |
| 2 *     | 2.1440 | 23.34            | 15.47 | 38.81            | 69.54  | -30.73 | QP       |         |
| 3       | 3.8196 | 19.00            | 15.00 | 34.00            | 69.54  | -35.54 | QP       |         |

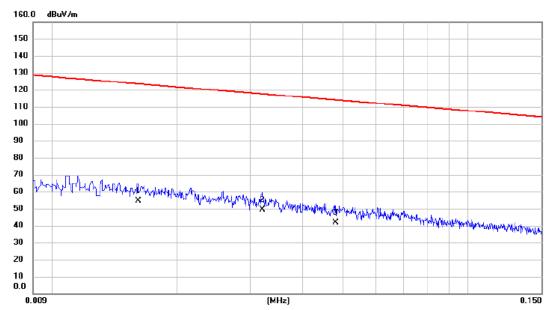
Report No.: BTL-FCCP-2-1712C022 Page 50 of 429





Test Mode: TX MODE \_ Adapter: NBS40C120300M2

## Ant 90°



| No. Mk. | Freq.  | Reading<br>Level |       | Measure<br>ment | -<br>Limit | Margin |          |         |
|---------|--------|------------------|-------|-----------------|------------|--------|----------|---------|
|         | MHz    | dBuV             | dB    | dBuV/m          | dBuV/m     | dB     | Detector | Comment |
| 1       | 0.0161 | 34.65            | 20.13 | 54.78           | 123.47     | -68.69 | AVG      |         |
| 2 *     | 0.0321 | 30.29            | 19.26 | 49.55           | 117.47     | -67.92 | AVG      |         |
| 3       | 0.0480 | 22.93            | 18.78 | 41.71           | 113.98     | -72.27 | AVG      |         |

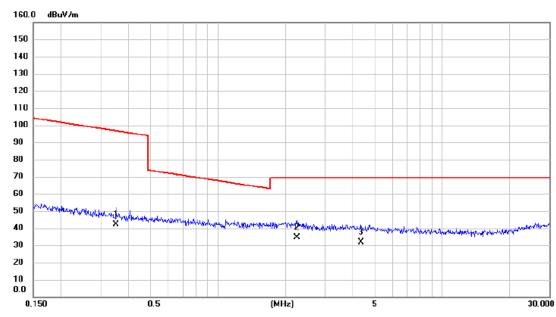
Report No.: BTL-FCCP-2-1712C022 Page 51 of 429





Test Mode: TX MODE\_ Adapter: NBS40C120300M2

## Ant 90°



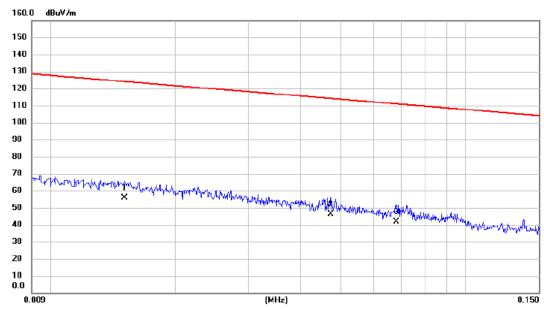
| No. N | Иk. | Freq.  | Reading<br>Level |       | Measure-<br>ment | Limit  | Margin |          |         |
|-------|-----|--------|------------------|-------|------------------|--------|--------|----------|---------|
|       |     | MHz    | dBu∀             | dB    | dBuV/m           | dBuV/m | dB     | Detector | Comment |
| 1     |     | 0.3502 | 25.50            | 16.58 | 42.08            | 96.72  | -54.64 | AVG      |         |
| 2 '   | k   | 2.2486 | 18.98            | 15.44 | 34.42            | 69.54  | -35.12 | QP       |         |
| 3     |     | 4.3606 | 17.12            | 14.74 | 31.86            | 69.54  | -37.68 | QP       |         |

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## Ant 0°



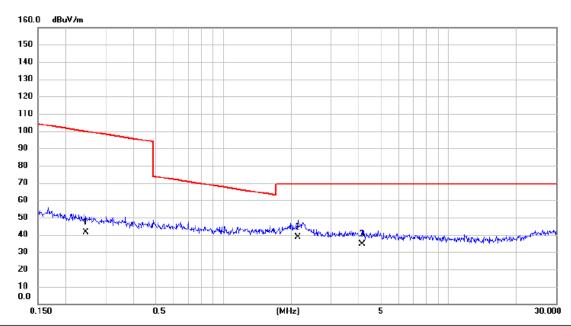
| No. Mk. | Freq.  | Reading<br>Level |       | Measure<br>ment | -<br>Limit | Margin |          |         |
|---------|--------|------------------|-------|-----------------|------------|--------|----------|---------|
|         | MHz    | dBuV             | dB    | dBuV/m          | dBuV/m     | dB     | Detector | Comment |
| 1       | 0.0151 | 35.52            | 20.26 | 55.78           | 124.03     | -68.25 | AVG      |         |
| 2 *     | 0.0473 | 27.52            | 18.80 | 46.32           | 114.11     | -67.79 | AVG      |         |
| 3       | 0.0680 | 23.48            | 18.37 | 41.85           | 110.95     | -69.10 | AVG      |         |

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## Ant 0°



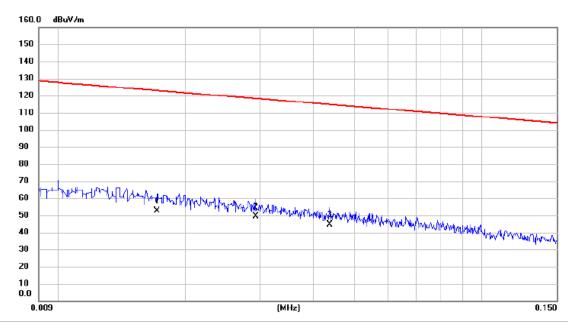
| No. Mk. | Freq.  | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit  | Margin |          |         |
|---------|--------|------------------|-------------------|------------------|--------|--------|----------|---------|
|         | MHz    | dBuV             | dB                | dBuV/m           | dBuV/m | dB     | Detector | Comment |
| 1       | 0.2455 | 24.80            | 16.67             | 41.47            | 99.80  | -58.33 | AVG      |         |
| 2 *     | 2.1440 | 23.06            | 15.47             | 38.53            | 69.54  | -31.01 | QP       |         |
| 3       | 4.1356 | 19.73            | 14.87             | 34.60            | 69.54  | -34.94 | QP       |         |

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## Ant 90°



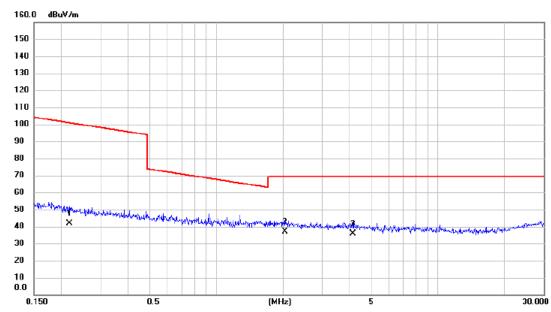
| No. Mk. | Freq.  |       | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|---------|--------|-------|-------------------|-----------------|--------|--------|----------|---------|
|         | MHz    | dBuV  | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1       | 0.0171 | 32.72 | 20.00             | 52.72           | 122.94 | -70.22 | AVG      |         |
| 2 *     | 0.0293 | 30.21 | 19.34             | 49.55           | 118.27 | -68.72 | AVG      |         |
| 3       | 0.0437 | 25.65 | 18.91             | 44.56           | 114.80 | -70.24 | AVG      |         |

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## Ant 90°



| No. Mk. | Freq.  |       | Correct<br>Factor | Measure<br>ment | -<br>Limit | Margin |          |         |
|---------|--------|-------|-------------------|-----------------|------------|--------|----------|---------|
|         | MHz    | dBuV  | dB                | dBuV/m          | dBuV/m     | dB     | Detector | Comment |
| 1       | 0.2174 | 25.23 | 16.75             | 41.98           | 100.86     | -58.88 | AVG      |         |
| 2 *     | 2.0441 | 21.32 | 15.50             | 36.82           | 69.54      | -32.72 | QP       |         |
| 3       | 4.1356 | 20.75 | 14.87             | 35.62           | 69.54      | -33.92 | QP       |         |

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| APPENDIX C - RADIATED EMISSION (30MHZ TO 1000MHZ) |
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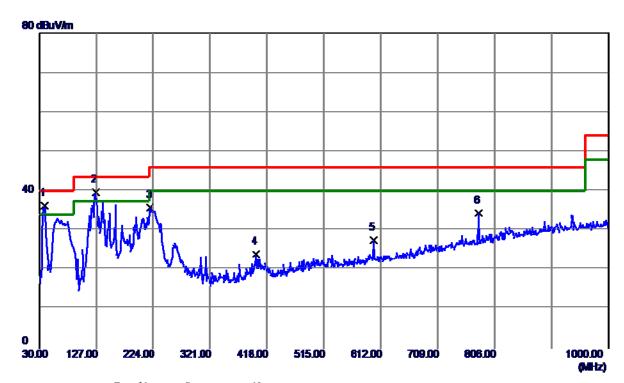
Report No.: BTL-FCCP-2-1712C022 Page 57 of 429





Test Mode: UNII-1/TX A Mode 5180MHz\_ Adapter: SUN-1200300

### Vertical



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1 * | 38.7300   | 50. 50           | -14. 16           | 36. 34          | 40.00  | -3.66   | Peak     |         |
| 2   | 126. 0300 | <b>54.65</b>     | -14. 98           | 39. 67          | 43.50  | -3.83   | Peak     |         |
| 3   | 219. 1500 | 49.68            | -13. 91           | 35. 77          | 46.00  | -10. 23 | Peak     |         |
| 4   | 399. 5700 | 35. 37           | -11. 37           | 24. 00          | 46.00  | -22.00  | Peak     |         |
| 5   | 600. 3600 | 33. 93           | -6.41             | 27. 52          | 46.00  | -18.48  | Peak     |         |
| 6   | 778. 8400 | 36. 23           | -1.82             | 34.41           | 46.00  | -11. 59 | Peak     |         |

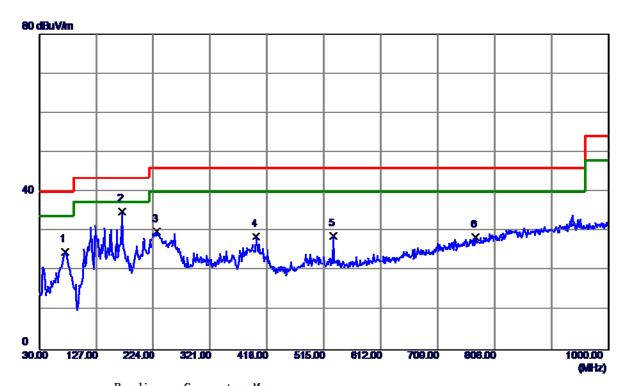
Report No.: BTL-FCCP-2-1712C022 Page 58 of 429





Test Mode: UNII-1/TX A Mode 5180MHz\_ Adapter: SUN-1200300

### Horizontal



| MHz         dBuV/m         dB         dBuV/m         dBuV/m         dB         Detector           1         73.6500         41.67         −16.93         24.74         40.00         −15.26         Peak |         |
|--|---------|
|  | Comment |
|  |         |
| 2 * 171.6200 47.26 -12.29 34.97 43.50 -8.53 Peak   |         |
| 3 230. 7900 44. 07 -14. 15 29. 92 46. 00 -16. 08 Peak  |         |
| 4 399.5700 39.97 -11.37 28.60 46.00 -17.40 Peak  |         |
| 5 531. 4900 36. 96 -8. 09 28. 87 46. 00 -17. 13 Peak   |         |
| 6 773. 9900 30. 37 -1. 92 28. 45 46. 00 -17. 55 Peak   |         |

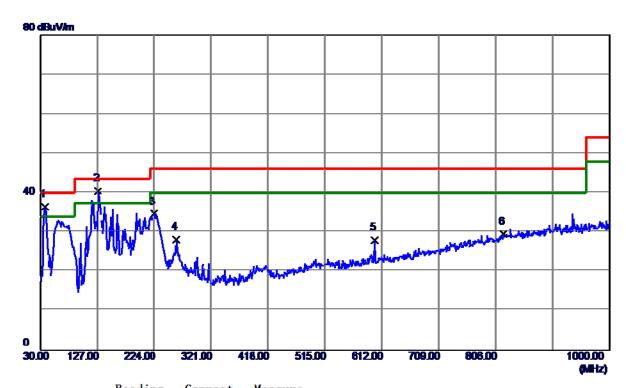
Report No.: BTL-FCCP-2-1712C022 Page 59 of 429





Test Mode: UNII-1/TX A Mode 5200MHz\_ Adapter: SUN-1200300

## Vertical



| No. | Freq.     | Level  | Factor         | measure<br>ment | Limit  | Margin       |          |         |
|-----|-----------|--------|----------------|-----------------|--------|--------------|----------|---------|
|     | MHz       | dBuV/m | dB             | dBuV/m          | dBuV/m | dB           | Detector | Comment |
| 1   | 37. 7599  | 50. 78 | -14. 30        | 36. 48          | 40.00  | -3. 52       | Peak     |         |
| 2 * | 127.9700  | 55. 34 | <b>−14.85</b>  | 40. 49          | 43.50  | <b>-3.01</b> | Peak     |         |
| 3   | 224.0000  | 48. 63 | -13. 99        | 34.64           | 46.00  | -11.36       | Peak     |         |
| 4   | 261.8299  | 43.88  | <b>−15. 74</b> | 28. 14          | 46.00  | -17.86       | Peak     |         |
| 5   | 600. 3600 | 34. 47 | -6.41          | 28. 06          | 46.00  | -17.94       | Peak     |         |
| 6   | 818.6100  | 30. 37 | -0.85          | 29. 52          | 46.00  | -16.48       | Peak     |         |
|     |           |        |                |                 |        |              |          |         |

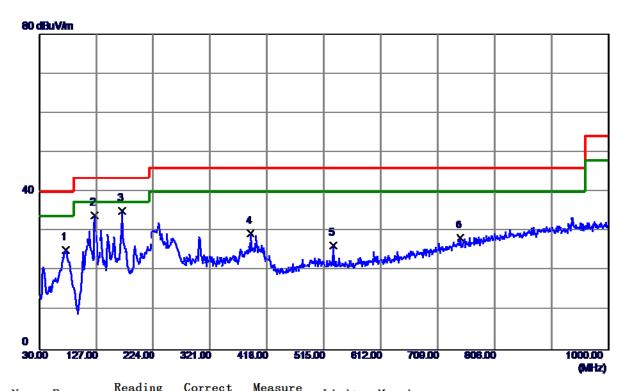
Report No.: BTL-FCCP-2-1712C022 Page 60 of 429





Test Mode: UNII-1/TX A Mode 5200MHz\_ Adapter: SUN-1200300

### Horizontal



| No. | Freq.     | Level  | Factor  | measure | Limit  | Margin             |          |         |
|-----|-----------|--------|---------|---------|--------|--------------------|----------|---------|
|     | MHz       | dBuV/m | dB      | dBuV/m  | dBuV/m | dB                 | Detector | Comment |
| 1   | 75. 5899  | 42. 57 | -17. 22 | 25. 35  | 40.00  | -14.65             | Peak     |         |
| 2   | 124.0900  | 49. 16 | -15. 12 | 34.04   | 43.50  | <b>-9.46</b>       | Peak     |         |
| 3 * | 171.6200  | 47.42  | -12. 29 | 35. 13  | 43.50  | <del>-8. 3</del> 7 | Peak     |         |
| 4   | 389.8700  | 40.96  | -11. 48 | 29.48   | 46.00  | -16. 52            | Peak     |         |
| 5   | 531. 4900 | 34.44  | -8.09   | 26. 35  | 46.00  | -19.65             | Peak     |         |
| 6   | 747.8000  | 30.85  | -2.51   | 28. 34  | 46.00  | -17.66             | Peak     |         |
|     |           |        |         |         |        |                    |          |         |

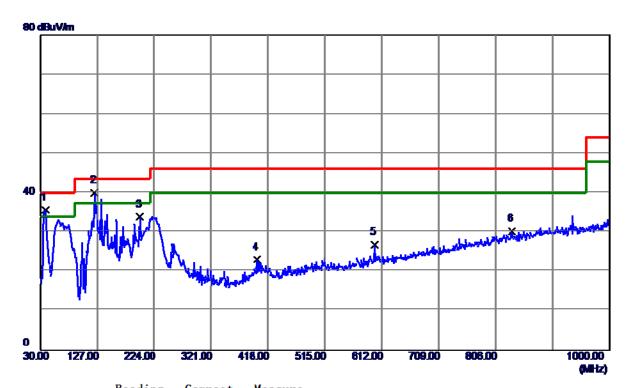
Report No.: BTL-FCCP-2-1712C022 Page 61 of 429





Test Mode: UNII-1/TX A Mode 5240MHz\_ Adapter: SUN-1200300

## Vertical



| No. | Freq.     | Keading<br>Level | Factor  | measure<br>ment | Limit  | Margin |          |         |
|-----|-----------|------------------|---------|-----------------|--------|--------|----------|---------|
|     | MHz       | dBuV/m           | dB      | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1   | 38.7300   | 49.83            | -14. 16 | 35. 67          | 40.00  | -4.33  | Peak     |         |
| 2 * | 122. 1500 | 55. 32           | -15. 25 | 40.07           | 43.50  | -3.43  | Peak     |         |
| 3   | 199. 7500 | 47.70            | -13. 73 | 33. 97          | 43.50  | -9. 53 | Peak     |         |
| 4   | 399. 5700 | 34.43            | -11. 37 | 23.06           | 46.00  | -22.94 | Peak     |         |
| 5   | 600. 3600 | 33. 33           | -6.41   | 26. 92          | 46.00  | -19.08 | Peak     |         |
| 6   | 834. 1300 | 30.72            | -0.43   | 30. 29          | 46.00  | -15.71 | Peak     |         |
|     |           |                  |         |                 |        |        |          |         |

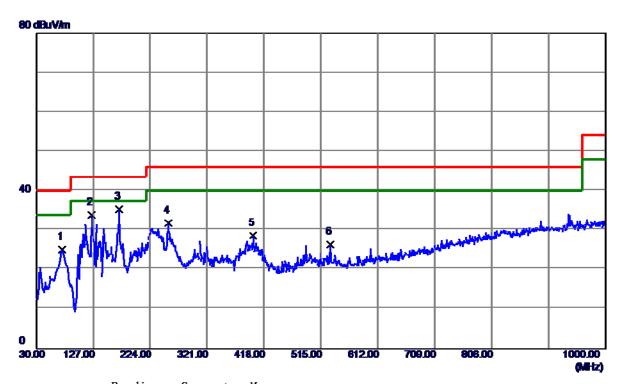
Report No.: BTL-FCCP-2-1712C022 Page 62 of 429





Test Mode: UNII-1/TX A Mode 5240MHz\_Adapter: SUN-1200300

### Horizontal



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1   | 74.6200   | 42. 14           | -17. 04           | 25. 10          | 40.00  | -14.90 | Peak     |         |
| 2   | 124.0900  | 49.09            | -15. 12           | 33. 97          | 43.50  | -9. 53 | Peak     |         |
| 3 * | 171.6200  | 47.68            | -12. 29           | 35. 39          | 43.50  | -8. 11 | Peak     |         |
| 4   | 255.0400  | 47. 15           | -15. 30           | 31.85           | 46.00  | -14.15 | Peak     |         |
| 5   | 399. 5700 | 39. 96           | -11. 37           | 28. 59          | 46.00  | -17.41 | Peak     |         |
| 6   | 531. 4900 | 34.46            | -8.09             | 26. 37          | 46.00  | -19.63 | Peak     |         |
|     |           |                  |                   |                 |        |        |          |         |

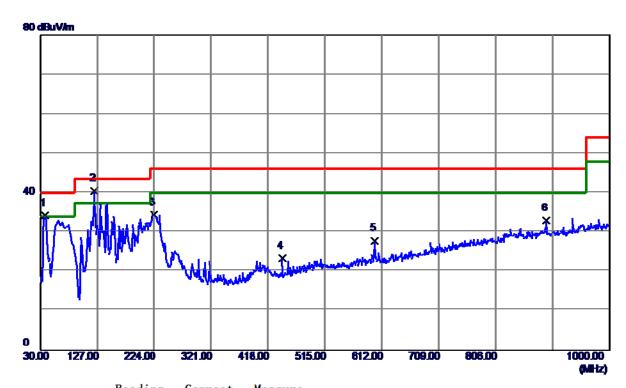
Report No.: BTL-FCCP-2-1712C022 Page 63 of 429





Test Mode: UNII-3/TX A Mode 5745MHz\_ Adapter: SUN-1200300

## Vertical



| No. | Freq.     | Level  | Factor  | measure | Limit  | Margin  |          |         |
|-----|-----------|--------|---------|---------|--------|---------|----------|---------|
|     | MHz       | dBuV/m | dB      | dBuV/m  | dBuV/m | dB      | Detector | Comment |
| 1   | 37. 7599  | 48. 53 | -14. 30 | 34. 23  | 40.00  | -5. 77  | Peak     |         |
| 2 * | 121. 1800 | 55. 79 | -15. 32 | 40. 47  | 43.50  | -3.03   | Peak     |         |
| 3   | 224.0000  | 48. 40 | -13. 99 | 34.41   | 46.00  | -11.59  | Peak     |         |
| 4   | 442. 2500 | 33. 54 | -10. 16 | 23. 38  | 46.00  | -22.62  | Peak     |         |
| 5   | 600. 3600 | 34. 27 | -6.41   | 27.86   | 46.00  | -18.14  | Peak     |         |
| 6   | 892. 3300 | 32. 03 | 0. 87   | 32. 90  | 46.00  | -13. 10 | Peak     |         |
|     |           |        |         |         |        |         |          |         |

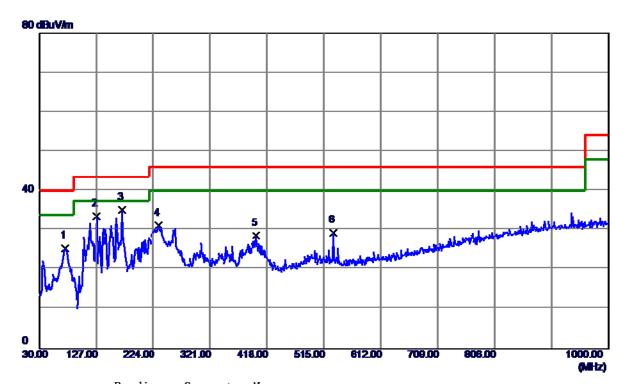
Report No.: BTL-FCCP-2-1712C022 Page 64 of 429





Test Mode: UNII-3/TX A Mode 5745MHz\_ Adapter: SUN-1200300

### Horizontal



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 74.6200   | 42.49            | <b>-17.04</b>     | 25. 45          | 40.00  | -14.55  | Peak     |         |
| 2   | 127.0000  | 48.48            | -14. 91           | 33. 57          | 43.50  | -9.93   | Peak     |         |
| 3 * | 171.6200  | 47.43            | -12. 29           | 35. 14          | 43.50  | -8. 36  | Peak     |         |
| 4   | 233.7000  | 45. 39           | -14. 22           | 31. 17          | 46.00  | -14.83  | Peak     |         |
| 5   | 399. 5700 | 40.08            | -11. 37           | 28.71           | 46.00  | -17. 29 | Peak     |         |
| 6   | 531. 4900 | 37. 45           | -8.09             | 29. 36          | 46.00  | -16.64  | Peak     |         |
|     |           |                  |                   |                 |        |         |          |         |

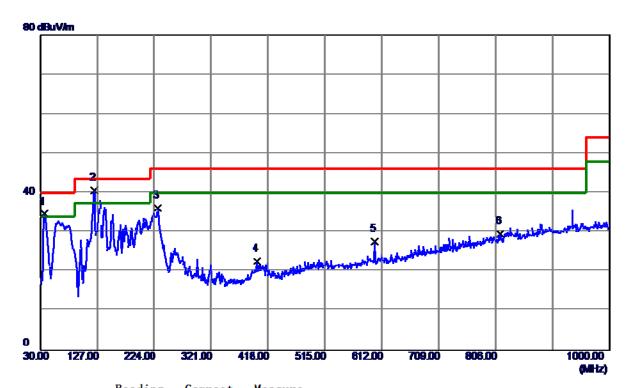
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Test Mode: UNII-3/TX A Mode 5785MHz\_Adapter: SUN-1200300

## Vertical



| No. | Freq.     | Level  | Factor  | measure | Limit  | Margin  |          |         |
|-----|-----------|--------|---------|---------|--------|---------|----------|---------|
|     | MHz       | dBuV/m | dB      | dBuV/m  | dBuV/m | dB      | Detector | Comment |
| 1   | 36. 7900  | 49.05  | -14.41  | 34.64   | 40.00  | -5. 36  | Peak     |         |
| 2 * | 121. 1800 | 55. 96 | -15. 32 | 40.64   | 43.50  | -2.86   | Peak     |         |
| 3   | 230. 7900 | 50. 34 | -14. 15 | 36. 19  | 46.00  | -9.81   | Peak     |         |
| 4   | 399. 5700 | 34.01  | -11. 37 | 22.64   | 46.00  | -23. 36 | Peak     |         |
| 5   | 600. 3600 | 34. 10 | -6.41   | 27. 69  | 46.00  | -18. 31 | Peak     |         |
| 6   | 813.7600  | 30. 60 | -0.99   | 29.61   | 46.00  | -16. 39 | Peak     |         |
|     |           |        |         |         |        |         |          |         |

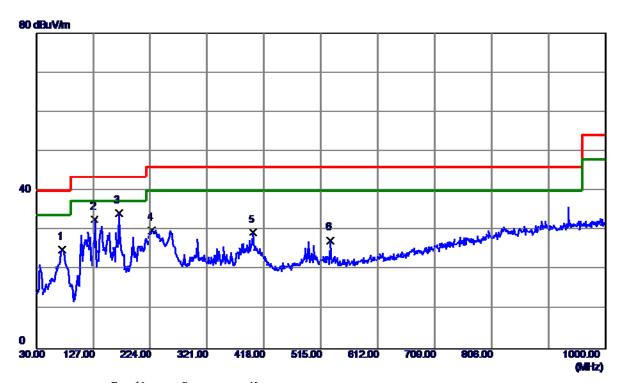
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Test Mode: UNII-3/TX A Mode 5785MHz\_ Adapter: SUN-1200300

### Horizontal



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 74.6200   | 42. 16           | -17.04            | 25. 12          | 40.00  | -14.88  | Peak     |         |
| 2   | 128.9400  | 47.65            | -14. 78           | 32. 87          | 43.50  | -10.63  | Peak     |         |
| 3 * | 170.6500  | 46. 79           | -12. 32           | 34.47           | 43.50  | -9. 03  | Peak     |         |
| 4   | 226. 9100 | 44.06            | -14. 06           | 30.00           | 46.00  | -16. 00 | Peak     |         |
| 5   | 399. 5700 | 40. 78           | -11. 37           | 29.41           | 46.00  | -16. 59 | Peak     |         |
| 6   | 531. 4900 | 35. 53           | -8. 09            | 27.44           | 46.00  | -18. 56 | Peak     |         |
|     |           |                  |                   |                 |        |         |          |         |

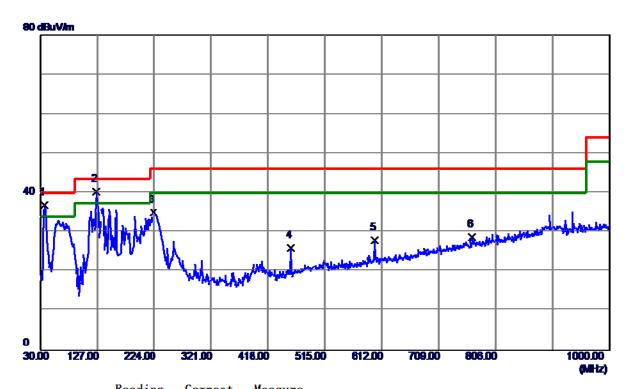
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Test Mode: UNII-3/TX A Mode 5825MHz\_ Adapter: SUN-1200300

## Vertical



| No. | Freq.     | Level  | Factor           | measure        | Limit  | Margin  |          |         |
|-----|-----------|--------|------------------|----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m | dB               | dBuV/m         | dBuV/m | dB      | Detector | Comment |
| 1 * | 36. 7900  | 51. 33 | -14. 41          | 36. 92         | 40.00  | -3.08   | Peak     |         |
| 2   | 125.0600  | 55. 34 | −15 <b>. 0</b> 5 | 40. 29         | 43.50  | -3. 21  | Peak     |         |
| 3   | 223. 0300 | 48. 97 | -13. 97          | 35 <b>. 00</b> | 46.00  | -11.00  | Peak     |         |
| 4   | 456.8000  | 35. 86 | -9.77            | 26. 09         | 46.00  | -19.91  | Peak     |         |
| 5   | 600. 3600 | 34. 37 | -6.41            | 27.96          | 46.00  | -18.04  | Peak     |         |
| 6   | 766. 2300 | 30. 84 | -2.09            | 28. 75         | 46.00  | -17. 25 | Peak     |         |
|     |           |        |                  |                |        |         |          |         |

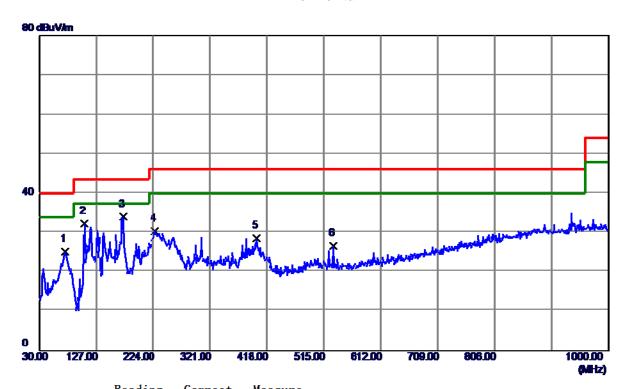
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Test Mode: UNII-3/TX A Mode 5825MHz\_ Adapter: SUN-1200300

### Horizontal



| No. | Freq.     | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 74.6200   | 42. 27           | <b>-17.04</b>     | 25. 23          | 40.00  | -14.77  | Peak     |         |
| 2   | 106. 6300 | 48. 93           | -16. 62           | 32. 31          | 43.50  | -11. 19 | Peak     |         |
| 3 * | 173. 5600 | 46. 30           | -12. 23           | 34.07           | 43.50  | -9.43   | Peak     |         |
| 4   | 226. 9100 | 44.53            | -14.06            | 30. 47          | 46.00  | -15. 53 | Peak     |         |
| 5   | 400. 5400 | 39. 92           | -11. 34           | 28. 58          | 46.00  | -17.42  | Peak     |         |
| 6   | 531. 4900 | 34. 79           | -8. 09            | 26. 70          | 46.00  | -19.30  | Peak     |         |
|     |           |                  |                   |                 |        |         |          |         |

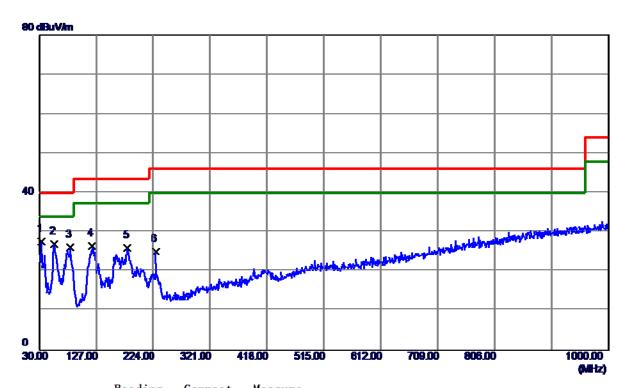
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Test Mode: UNII-1/TX A Mode 5180MHz\_ Adapter: NBS40C120300M2

## Vertical



| No. | Freq.     | Level  | Factor         | ment   | Limit  | Margin |          |         |
|-----|-----------|--------|----------------|--------|--------|--------|----------|---------|
|     | MHz       | dBuV/m | dB             | dBuV/m | dBuV/m | dB     | Detector | Comment |
| 1 * | 32.9100   | 42. 55 | -14.89         | 27.66  | 40.00  | -12.34 | Peak     |         |
| 2   | 56. 1900  | 40.93  | -13. 95        | 26. 98 | 40.00  | -13.02 | Peak     |         |
| 3   | 82. 3800  | 44. 52 | -18. 31        | 26. 21 | 40.00  | -13.79 | Peak     |         |
| 4   | 119. 2400 | 42.03  | <b>−15. 46</b> | 26. 57 | 43.50  | -16.93 | Peak     |         |
| 5   | 180. 3500 | 38. 21 | -12. 07        | 26. 14 | 43.50  | -17.36 | Peak     |         |
| 6   | 228. 8500 | 39. 26 | -14. 10        | 25. 16 | 46.00  | -20.84 | Peak     |         |
|     |           |        |                |        |        |        |          |         |

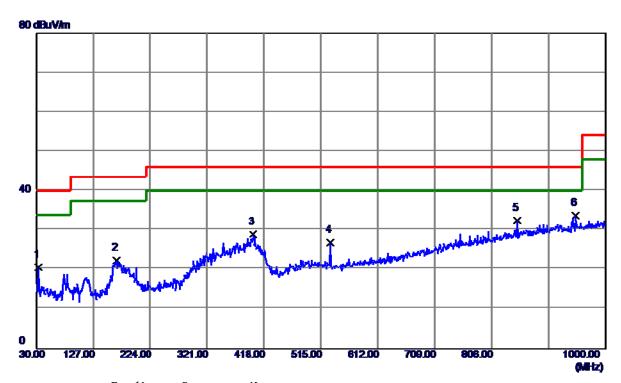
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Test Mode: UNII-1/TX A Mode 5180MHz\_ Adapter: NBS40C120300M2

### Horizontal



| MHz         dBuV/m         dB         dBuV/m         dBuV/m         dB         Detector         Comment           1         32.9100         35.60         -14.89         20.71         40.00         -19.29         Peak           2         166.7700         34.88         -12.53         22.35         43.50         -21.15         Peak           3         399.5700         40.38         -11.37         29.01         46.00         -16.99         Peak           4         531.4900         35.02         -8.09         26.93         46.00         -19.07         Peak           5         850.6200         32.53         0.01         32.54         46.00         -13.46         Peak           6         * 949.5600         31.80         1.99         33.79         46.00         -12.21         Peak | No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|---|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
| 2     166. 7700 34. 88     -12. 53     22. 35     43. 50     -21. 15     Peak       3     399. 5700 40. 38     -11. 37     29. 01     46. 00     -16. 99     Peak       4     531. 4900 35. 02     -8. 09     26. 93     46. 00     -19. 07     Peak       5     850. 6200 32. 53     0. 01     32. 54     46. 00     -13. 46     Peak  |     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 3     399. 5700 40. 38     -11. 37     29. 01     46. 00     -16. 99     Peak       4     531. 4900 35. 02     -8. 09     26. 93     46. 00     -19. 07     Peak       5     850. 6200 32. 53     0. 01     32. 54     46. 00     -13. 46     Peak  | 1   | 32.9100   | 35. 60           | -14.89            | 20.71           | 40.00  | -19.29  | Peak     |         |
| 4 531. 4900 35. 02 -8. 09 26. 93 46. 00 -19. 07 Peak<br>5 850. 6200 32. 53 0. 01 32. 54 46. 00 -13. 46 Peak   | 2   | 166.7700  | 34.88            | -12. 53           | 22. 35          | 43.50  | -21.15  | Peak     |         |
| 5 850. 6200 32. 53 0. 01 32. 54 46. 00 -13. 46 Peak   | 3   | 399. 5700 | 40.38            | -11. 37           | 29. 01          | 46.00  | -16. 99 | Peak     |         |
|   | 4   | 531. 4900 | 35. 02           | -8. 09            | 26. 93          | 46.00  | -19.07  | Peak     |         |
| 6 * 949 5600 31 80 1 99 33 79 46 00 -12 21 Peak   | 5   | 850. 6200 | 32. 53           | 0. 01             | 32. 54          | 46.00  | -13.46  | Peak     |         |
| 0 · 010.0000 01.00 1.00 00.10 10.00 12.21 10dk  | 6 * | 949. 5600 | 31. 80           | 1. 99             | 33. 79          | 46.00  | -12. 21 | Peak     |         |

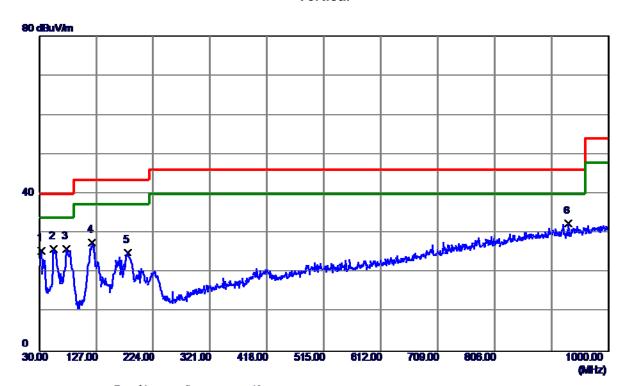
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Test Mode: UNII-1/TX A Mode 5200MHz\_ Adapter: NBS40C120300M2

## Vertical



| No. | Freq.     | Level  | Factor         | measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|--------|----------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m | dB             | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 32.9100   | 40. 47 | -14. 89        | 25. 58          | 40.00  | -14.42  | Peak     |         |
| 2   | 55. 2200  | 40.01  | -13. 94        | 26. 07          | 40.00  | -13.93  | Peak     |         |
| 3   | 76. 5600  | 43.47  | -17. 44        | 26. 03          | 40.00  | -13.97  | Peak     |         |
| 4   | 119. 2400 | 43.09  | <b>−15. 46</b> | 27.63           | 43.50  | -15.87  | Peak     |         |
| 5   | 181. 3200 | 37. 34 | -12. 15        | 25. 19          | 43.50  | -18. 31 | Peak     |         |
| 6 * | 932. 1000 | 30.81  | 1.65           | 32.46           | 46.00  | -13.54  | Peak     |         |
| 6 * | 932. 1000 | 30. 81 | 1. 65          | 32. 46          | 46.00  | -13. 54 | Peak     | _       |

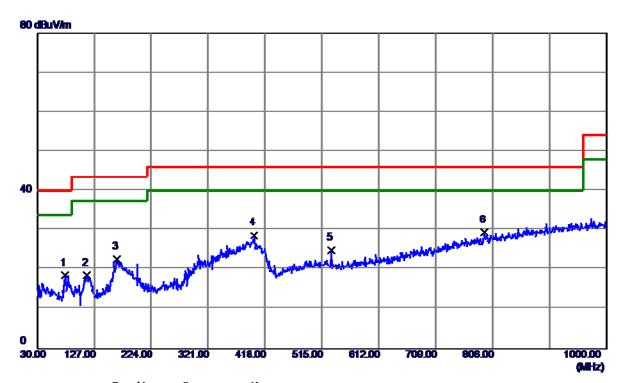
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Test Mode: UNII-1/TX A Mode 5200MHz\_ Adapter: NBS40C120300M2

# Horizontal



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 77. 5300  | 36. 29           | -17. 67           | 18. 62          | 40.00  | -21.38  | Peak     |         |
| 2   | 114. 3900 | 34.42            | -15. 84           | 18. 58          | 43.50  | -24.92  | Peak     |         |
| 3   | 165.8000  | 35. 27           | -12. 58           | 22. 69          | 43.50  | -20.81  | Peak     |         |
| 4   | 399. 5700 | 40.09            | -11. 37           | 28. 72          | 46.00  | -17. 28 | Peak     |         |
| 5   | 531.4900  | 33. 07           | -8.09             | 24. 98          | 46.00  | -21.02  | Peak     |         |
| 6 * | 792. 4200 | 30. 95           | -1.52             | 29. 43          | 46.00  | -16. 57 | Peak     |         |

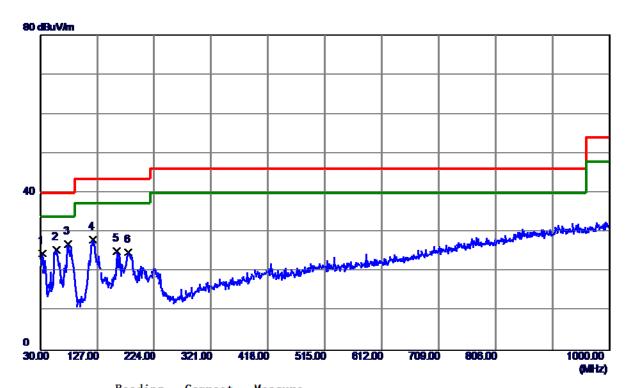
Report No.: BTL-FCCP-2-1712C022 Page 73 of 429





Test Mode: UNII-1/TX A Mode 5240MHz\_ Adapter: NBS40C120300M2

# Vertical



| No. | Freq.     | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 32.9100   | 39. 54           | -14. 89           | 24.65           | 40.00  | -15. 35 | Peak     |         |
| 2   | 58. 1300  | 39. 68           | -14. 13           | 25. 55          | 40.00  | -14.45  | Peak     |         |
| 3 * | 77. 5300  | 44.67            | -17. 67           | 27.00           | 40.00  | -13.00  | Peak     |         |
| 4   | 119. 2400 | 43.69            | -15. 46           | 28. 23          | 43.50  | -15.27  | Peak     |         |
| 5   | 160. 9500 | 38. 13           | -12. 87           | 25. 26          | 43.50  | -18. 24 | Peak     |         |
| 6   | 180. 3500 | 36. 98           | -12. 07           | 24. 91          | 43.50  | -18. 59 | Peak     |         |
|     |           |                  |                   |                 |        |         |          |         |

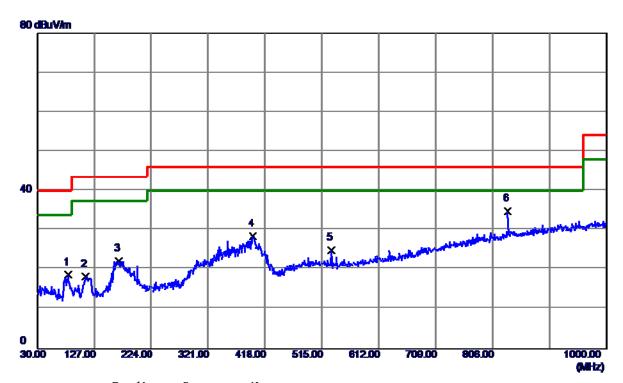
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Test Mode: UNII-1/TX A Mode 5240MHz\_ Adapter: NBS40C120300M2

# Horizontal



| Freq.     | Reading<br>Level  | Correct<br>Factor | Measure<br>ment   | Limit  | Margin  |   |   |
|-----------|---|-------------------|---|--|---|---|---|
| MHz       | dBuV/m  | dB                | dBuV/m  | dBuV/m   | dB  | Detector  | Comment   |
| 82. 3800  | 37.08   | -18. 31           | 18. 77  | 40.00  | -21. 23   | Peak  |   |
| 111. 4800 | 34. 37  | -16. 07           | 18. 30  | 43. 50   | -25. 20   | Peak  |   |
| 168.7100  | 34.69   | -12.41            | 22. 28  | 43.50  | -21. 22   | Peak  |   |
| 397.6300  | 39. 80  | -11. 39           | 28. 41  | 46.00  | -17. 59   | Peak  |   |
| 531.4900  | 33. 03  | -8.09             | 24.94   | 46.00  | -21.06  | Peak  |   |
| 832. 1900 | 35. 42  | -0.48             | 34. 94  | 46.00  | -11. 06   | Peak  |   |
|           | MHz<br>82. 3800<br>111. 4800<br>168. 7100<br>397. 6300<br>531. 4900 | MHz dBuV/m        | MHz         dBuV/m         dB           82.3800         37.08         -18.31           111.4800         34.37         -16.07           168.7100         34.69         -12.41           397.6300         39.80         -11.39           531.4900         33.03         -8.09 | MHz         dBuV/m         dB         dBuV/m           82.3800         37.08         -18.31         18.77           111.4800         34.37         -16.07         18.30           168.7100         34.69         -12.41         22.28           397.6300         39.80         -11.39         28.41           531.4900         33.03         -8.09         24.94 | MHz         dBuV/m         dB         dBuV/m         dBuV/m           82.3800         37.08         -18.31         18.77         40.00           111.4800         34.37         -16.07         18.30         43.50           168.7100         34.69         -12.41         22.28         43.50           397.6300         39.80         -11.39         28.41         46.00           531.4900         33.03         -8.09         24.94         46.00 | MHz         dBuV/m         dB         dBuV/m         dBuV/m         dB           82.3800         37.08         -18.31         18.77         40.00         -21.23           111.4800         34.37         -16.07         18.30         43.50         -25.20           168.7100         34.69         -12.41         22.28         43.50         -21.22           397.6300         39.80         -11.39         28.41         46.00         -17.59           531.4900         33.03         -8.09         24.94         46.00         -21.06 | MHz         dBuV/m         dB         dBuV/m         dBuV/m         dB         Detector           82.3800         37.08         -18.31         18.77         40.00         -21.23         Peak           111.4800         34.37         -16.07         18.30         43.50         -25.20         Peak           168.7100         34.69         -12.41         22.28         43.50         -21.22         Peak           397.6300         39.80         -11.39         28.41         46.00         -17.59         Peak           531.4900         33.03         -8.09         24.94         46.00         -21.06         Peak |

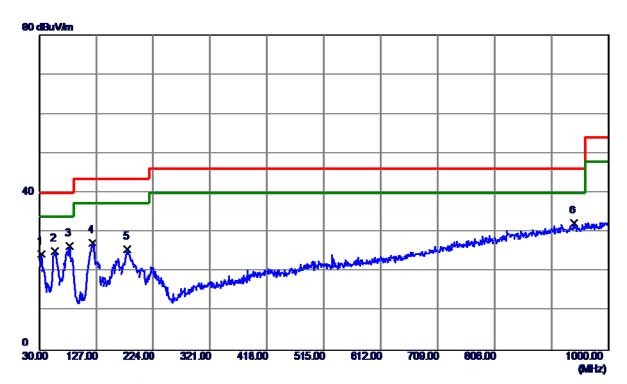
Report No.: BTL-FCCP-2-1712C022 Page 75 of 429





Test Mode: UNII-3/TX A Mode 5745MHz\_ Adapter: NBS40C120300M2

# Vertical



| No. | Freq.     | Level  | Factor        | measure | Limit  | Margin  |          |         |
|-----|-----------|--------|---------------|---------|--------|---------|----------|---------|
|     | MHz       | dBuV/m | dB            | dBuV/m  | dBuV/m | dB      | Detector | Comment |
| 1   | 32.9100   | 39. 30 | -14. 89       | 24.41   | 40.00  | -15.59  | Peak     |         |
| 2   | 57. 1600  | 39. 32 | <b>-14.04</b> | 25. 28  | 40.00  | -14.72  | Peak     |         |
| 3 * | 81.4100   | 44.87  | -18. 28       | 26. 59  | 40.00  | -13.41  | Peak     |         |
| 4   | 120. 2100 | 42.76  | -15. 38       | 27. 38  | 43.50  | -16. 12 | Peak     |         |
| 5   | 180. 3500 | 37.88  | -12. 07       | 25. 81  | 43.50  | -17.69  | Peak     |         |
| 6   | 941.8000  | 30. 43 | 1.84          | 32. 27  | 46.00  | -13.73  | Peak     |         |
|     |           |        |               |         |        |         |          |         |

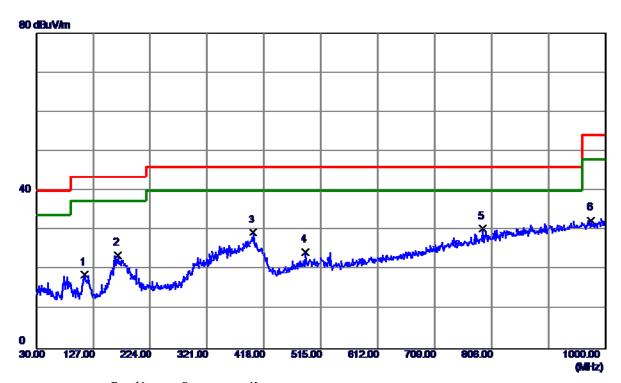
Report No.: BTL-FCCP-2-1712C022 Page 76 of 429





Test Mode: UNII-3/TX A Mode 5745MHz\_ Adapter: NBS40C120300M2

# Horizontal



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 111.4800  | 34.80            | -16. 07           | 18.73           | 43.50  | -24.77  | Peak     |         |
| 2   | 168.7100  | 36. 05           | -12.41            | 23.64           | 43.50  | -19.86  | Peak     |         |
| 3   | 399. 5700 | 40.76            | -11. 37           | 29. 39          | 46.00  | -16.61  | Peak     |         |
| 4   | 488. 8100 | 33. 49           | -8.99             | 24. 50          | 46.00  | -21. 50 | Peak     |         |
| 5 * | 790. 4800 | 31. 96           | -1.57             | 30. 39          | 46.00  | -15.61  | Peak     |         |
| 6   | 975. 7500 | 30. 07           | 2. 49             | 32. 56          | 54.00  | -21.44  | Peak     |         |
|     |           |                  |                   |                 |        |         |          |         |

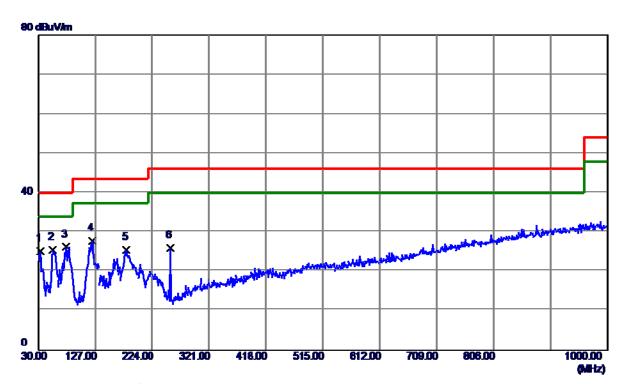
Report No.: BTL-FCCP-2-1712C022 Page 77 of 429





Test Mode: UNII-3/TX A Mode 5785MHz\_ Adapter: NBS40C120300M2

# Vertical



| No. | Freq.     | Level  | Factor  | measure<br>ment | Limit  | Margin |          |         |
|-----|-----------|--------|---------|-----------------|--------|--------|----------|---------|
|     | MHz       | dBuV/m | dB      | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1   | 32.9100   | 40. 10 | -14. 89 | 25. 21          | 40.00  | -14.79 | Peak     |         |
| 2   | 55. 2200  | 39. 54 | -13. 94 | <b>25. 60</b>   | 40.00  | -14.40 | Peak     |         |
| 3 * | 77. 5300  | 43.99  | -17. 67 | 26. 32          | 40.00  | -13.68 | Peak     |         |
| 4   | 121. 1800 | 43.09  | -15. 32 | 27.77           | 43.50  | -15.73 | Peak     |         |
| 5   | 180. 3500 | 37.64  | -12. 07 | 25. 57          | 43.50  | -17.93 | Peak     |         |
| 6   | 255. 0400 | 41.42  | -15. 30 | 26. 12          | 46.00  | -19.88 | Peak     |         |
|     |           |        |         |                 |        |        |          |         |

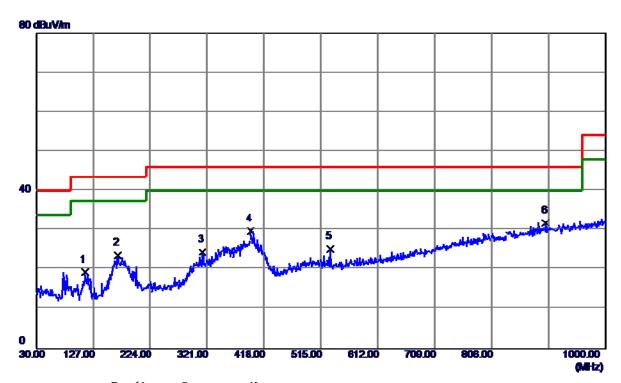
Report No.: BTL-FCCP-2-1712C022 Page 78 of 429





Test Mode: UNII-3/TX A Mode 5785MHz\_ Adapter: NBS40C120300M2

# Horizontal



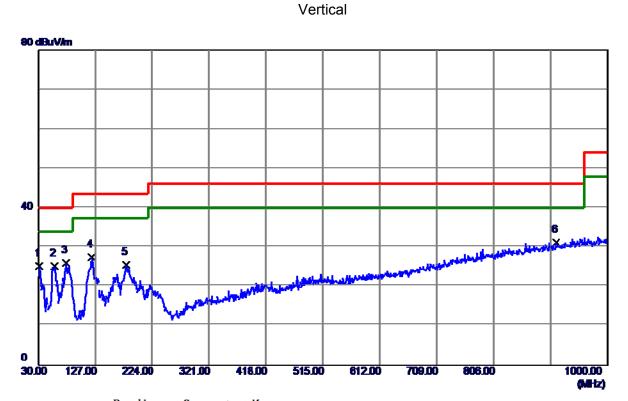
| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 112. 4500 | 35. 37           | -16.00            | 19. 37          | 43.50  | -24.13  | Peak     |         |
| 2   | 168.7100  | 36. 07           | -12.41            | 23.66           | 43.50  | -19.84  | Peak     |         |
| 3   | 313. 2400 | 37. 06           | -12. 60           | 24. 46          | 46.00  | -21.54  | Peak     |         |
| 4   | 395. 6900 | 41. 15           | -11. 41           | 29.74           | 46.00  | -16. 26 | Peak     |         |
| 5   | 531.4900  | 33. 40           | -8.09             | 25. 31          | 46.00  | -20.69  | Peak     |         |
| 6 * | 898. 1500 | 30. 92           | 0. 99             | 31.91           | 46.00  | -14.09  | Peak     |         |
|     |           |                  |                   |                 |        |         |          |         |

Report No.: BTL-FCCP-2-1712C022 Page 79 of 429





Test Mode: UNII-3/TX A Mode 5825MHz\_ Adapter: NBS40C120300M2



| No. | Freq.     | Level  | Factor  | measure<br>ment | Limit  | Margin |          |         |
|-----|-----------|--------|---------|-----------------|--------|--------|----------|---------|
|     | MHz       | dBuV/m | dB      | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1   | 30. 9700  | 40. 48 | -15. 14 | 25. 34          | 40.00  | -14.66 | Peak     |         |
| 2   | 58. 1300  | 39. 39 | -14. 13 | <b>25. 26</b>   | 40.00  | -14.74 | Peak     |         |
| 3 * | 77. 5300  | 43.77  | -17. 67 | 26. 10          | 40.00  | -13.90 | Peak     |         |
| 4   | 120. 2100 | 42.83  | -15. 38 | 27. 45          | 43.50  | -16.05 | Peak     |         |
| 5   | 179. 3800 | 37. 59 | -12. 06 | 25. 53          | 43.50  | -17.97 | Peak     |         |
| 6   | 912.7000  | 29.97  | 1. 28   | 31. 25          | 46.00  | -14.75 | Peak     |         |
|     |           |        |         |                 |        |        |          |         |

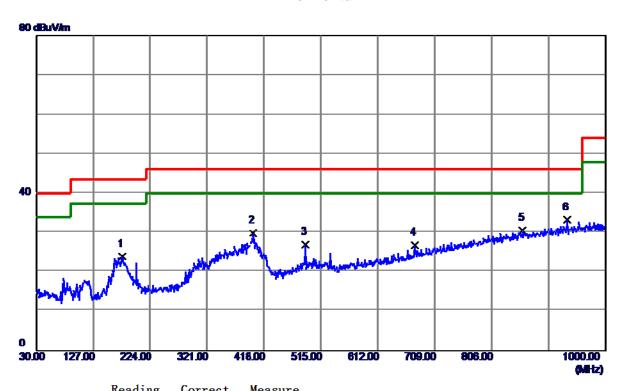
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Test Mode: UNII-3/TX A Mode 5825MHz\_ Adapter: NBS40C120300M2

# Horizontal



| No. | Freq.     | Keading<br>Level | Factor  | measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|---------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB      | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 176. 4700 | 36. 15           | -12. 14 | 24.01           | 43.50  | -19.49  | Peak     |         |
| 2   | 399. 5700 | 41. 22           | -11. 37 | 29.85           | 46.00  | -16. 15 | Peak     |         |
| 3   | 488.8100  | 36. 02           | -8.99   | 27.03           | 46.00  | -18.97  | Peak     |         |
| 4   | 676. 0200 | 31.61            | -4.68   | 26. 93          | 46.00  | -19.07  | Peak     |         |
| 5   | 859. 3500 | 30. 43           | 0. 19   | 30. 62          | 46.00  | -15. 38 | Peak     |         |
| 6 * | 935. 0100 | 31. 50           | 1. 71   | 33. 21          | 46.00  | -12.79  | Peak     |         |
|     |           |                  |         |                 |        |         |          |         |

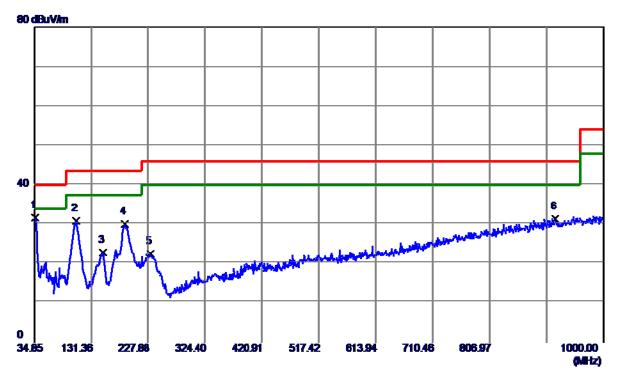
Report No.: BTL-FCCP-2-1712C022 Page 81 of 429





Test Mode: UNII-1/TX A Mode 5180MHz\_Adapter: SOY-1200300US

# Vertical



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dВ     | Detector | Comment |
| 1 * | 35.8152   | 46. 25           | -14. 51           | 31.74           | 40.00  | -8. 26 | Peak     |         |
| 2   | 105. 3059 | 47.72            | -16. 80           | 30. 92          | 43.50  | -12.58 | Peak     |         |
| 3   | 151.6332  | 36. 28           | -13. 43           | 22.85           | 43.50  | -20.65 | Peak     |         |
| 4   | 188. 3088 | 42.73            | -12.71            | 30.02           | 43.50  | -13.48 | Peak     |         |
| 5   | 232. 7057 | 36. 81           | -14. 19           | 22.62           | 46.00  | -23.38 | Peak     |         |
| 6   | 918. 9274 | 29. 91           | 1. 40             | 31. 31          | 46.00  | -14.69 | Peak     |         |

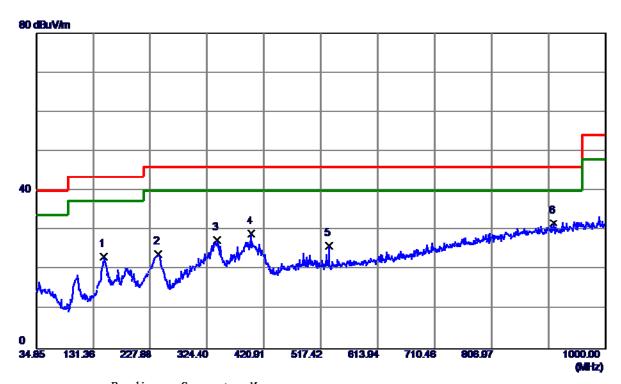
Report No.: BTL-FCCP-2-1712C022 Page 82 of 429





Test Mode: UNII-1/TX A Mode 5180MHz\_ Adapter: SOY-1200300US

# Horizontal



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 149.7029  | 36. 91           | -13. 55           | 23. 36          | 43.50  | -20.14  | Peak     |         |
| 2   | 241. 3921 | 38. 40           | -14. 43           | 23. 97          | 46.00  | -22.03  | Peak     |         |
| 3   | 341.7677  | 39. 63           | -12. 10           | 27. 53          | 46.00  | -18.47  | Peak     |         |
| 4   | 399. 6767 | 40.41            | -11. 36           | <b>29.0</b> 5   | 46.00  | -16. 95 | Peak     |         |
| 5   | 530. 9371 | 34. 18           | -8. 10            | 2 <b>6. 0</b> 8 | 46.00  | -19.92  | Peak     |         |
| 6 * | 912. 1713 | 30. 60           | 1. 26             | 31.86           | 46.00  | -14.14  | Peak     |         |
|     |           |                  |                   |                 |        |         |          |         |

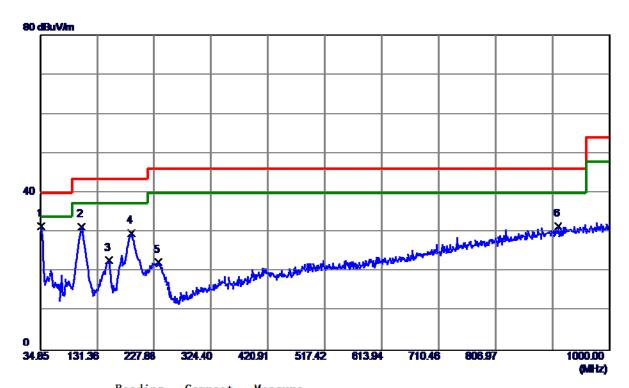
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Test Mode: UNII-1/TX A Mode 5200MHz\_ Adapter: SOY-1200300US

# Vertical



| No. | Freq.     | Level  | Factor         | measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|--------|----------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m | dB             | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1 * | 35. 8152  | 46. 09 | -14. 51        | 31. 58          | 40.00  | -8.42   | Peak     |         |
| 2   | 104. 3408 | 48. 25 | <b>−16. 92</b> | 31. 33          | 43.50  | -12. 17 | Peak     |         |
| 3   | 151. 6332 | 36. 30 | -13. 43        | 22. 87          | 43.50  | -20.63  | Peak     |         |
| 4   | 189. 2739 | 42. 52 | -12. 79        | 29. 73          | 43.50  | -13.77  | Peak     |         |
| 5   | 235. 6012 | 36. 66 | -14. 26        | 22.40           | 46.00  | -23.60  | Peak     |         |
| 6   | 913. 1365 | 30. 23 | 1. 28          | 31. 51          | 46.00  | -14.49  | Peak     |         |
|     |           |        |                |                 |        |         |          |         |

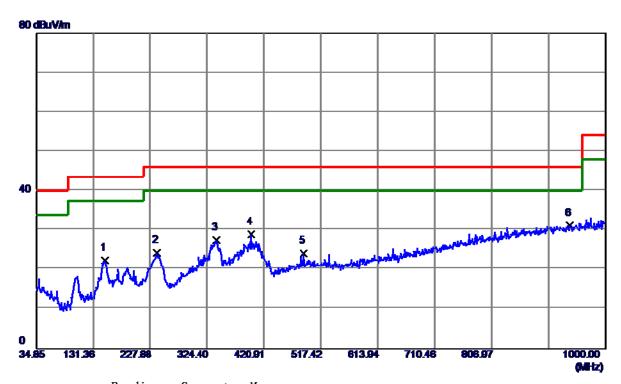
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Test Mode: UNII-1/TX A Mode 5200MHz\_Adapter: SOY-1200300US

# Horizontal



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1   | 151. 6332 | 35. 76           | -13. 43           | 22. 33          | 43.50  | -21.17 | Peak     |         |
| 2   | 239. 4618 | 38. 63           | -14. 35           | 24. 28          | 46.00  | -21.72 | Peak     |         |
| 3   | 340. 8025 | 39.65            | -12. 12           | 27. 53          | 46.00  | -18.47 | Peak     |         |
| 4   | 399. 6767 | 40. 33           | -11. 36           | 28. 97          | 46.00  | -17.03 | Peak     |         |
| 5   | 488. 4705 | 33. 22           | -9.00             | 24. 22          | 46.00  | -21.78 | Peak     |         |
| 6 * | 940. 1607 | 29. 34           | 1.81              | 31. 15          | 46.00  | -14.85 | Peak     |         |
|     |           |                  |                   |                 |        |        |          |         |

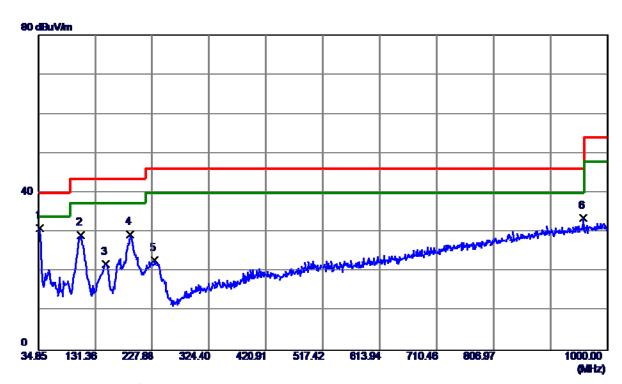
Report No.: BTL-FCCP-2-1712C022 Page 85 of 429





Test Mode: UNII-1/TX A Mode 5240MHz\_ Adapter: SOY-1200300US

# Vertical



| No. | Freq.     | Level  | Factor  | measure | Limit  | Margin  |          |         |
|-----|-----------|--------|---------|---------|--------|---------|----------|---------|
|     | MHz       | dBuV/m | dB      | dBuV/m  | dBuV/m | dB      | Detector | Comment |
| 1 * | 36. 7803  | 45. 41 | -14. 41 | 31.00   | 40.00  | -9.00   | Peak     |         |
| 2   | 106. 2711 | 45. 94 | -16. 67 | 29. 27  | 43.50  | -14.23  | Peak     |         |
| 3   | 149. 7029 | 35. 53 | -13. 55 | 21. 98  | 43.50  | -21. 52 | Peak     |         |
| 4   | 190. 2390 | 42. 26 | -12.87  | 29. 39  | 43.50  | -14.11  | Peak     |         |
| 5   | 232. 7057 | 37. 01 | -14. 19 | 22. 82  | 46.00  | -23. 18 | Peak     |         |
| 6   | 959. 4637 | 31. 37 | 2. 18   | 33. 55  | 46.00  | -12.45  | Peak     |         |
|     |           |        |         |         |        |         |          |         |

Report No.: BTL-FCCP-2-1712C022 Page 86 of 429





Test Mode: UNII-1/TX A Mode 5240MHz\_ Adapter: SOY-1200300US

# Horizontal



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 149. 7029 | 36. 29           | -13. 55           | 22.74           | 43.50  | -20.76  | Peak     |         |
| 2   | 243. 3224 | 38. 44           | -14. 53           | 23. 91          | 46.00  | -22.09  | Peak     |         |
| 3   | 336. 9420 | 39. 39           | -12. 18           | 27. 21          | 46.00  | -18.79  | Peak     |         |
| 4   | 396. 7813 | 38. 97           | -11. 40           | 27. 57          | 46.00  | -18.43  | Peak     |         |
| 5   | 530. 9371 | 34.88            | -8. 10            | 26. 78          | 46.00  | -19. 22 | Peak     |         |
| 6 * | 907. 3456 | 31. 76           | 1. 17             | 32. 93          | 46.00  | -13.07  | Peak     |         |
|     |           |                  |                   |                 |        |         |          |         |

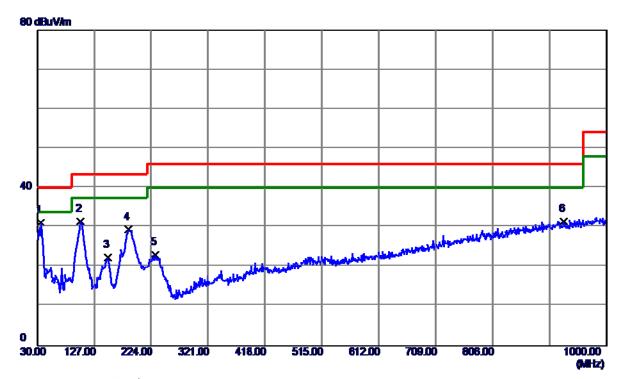
Report No.: BTL-FCCP-2-1712C022 Page 87 of 429





Test Mode: UNII-3/TX A Mode 5745MHz\_ Adapter: SOY-1200300US

# Vertical



| Freq.     | Reading<br>Level  | Correct<br>Factor | Measure<br>ment  | Limit   | Margin   |   |   |
|-----------|---|-------------------|--|---|--|---|---|
| MHz       | dBuV/m  | dB                | dBuV/m   | dBuV/m  | dB   | Detector  | Comment   |
| 35.8200   | 45.77   | -14. 51           | 31. 26   | 40.00   | -8.74  | Peak  |   |
| 103.7200  | 48. 51  | <b>-17. 00</b>    | 31. 51   | 43.50   | -11.99   | Peak  |   |
| 150. 2800 | 35. 97  | -13. 51           | 22. 46   | 43.50   | -21.04   | Peak  |   |
| 185. 2000 | 41.95   | -12. 46           | 29. 49   | 43. 50  | -14.01   | Peak  |   |
| 231. 7600 | 37. 19  | -14. 17           | 23. 02   | 46. 00  | -22. 98  | Peak  |   |
| 928. 2200 | 30.00   | 1. 57             | 31. 57   | 46.00   | -14.43   | Peak  |   |
|           | MHz<br>35. 8200<br>103. 7200<br>150. 2800<br>185. 2000<br>231. 7600 | MHz dBuV/m        | MHz         dBuV/m         dB           35.8200         45.77         -14.51           103.7200         48.51         -17.00           150.2800         35.97         -13.51           185.2000         41.95         -12.46           231.7600         37.19         -14.17 | MHz         dBuV/m         dB         dBuV/m           35.8200         45.77         -14.51         31.26           103.7200         48.51         -17.00         31.51           150.2800         35.97         -13.51         22.46           185.2000         41.95         -12.46         29.49           231.7600         37.19         -14.17         23.02 | MHz         dBuV/m         dB         dBuV/m         dBuV/m           35.8200         45.77         -14.51         31.26         40.00           103.7200         48.51         -17.00         31.51         43.50           150.2800         35.97         -13.51         22.46         43.50           185.2000         41.95         -12.46         29.49         43.50           231.7600         37.19         -14.17         23.02         46.00 | MHz         dBuV/m         dB         dBuV/m         dBuV/m         dB           35.8200         45.77         -14.51         31.26         40.00         -8.74           103.7200         48.51         -17.00         31.51         43.50         -11.99           150.2800         35.97         -13.51         22.46         43.50         -21.04           185.2000         41.95         -12.46         29.49         43.50         -14.01           231.7600         37.19         -14.17         23.02         46.00         -22.98 | MHz         dBuV/m         dB         dBuV/m         dBuV/m         dB         Detector           35.8200         45.77         -14.51         31.26         40.00         -8.74         Peak           103.7200         48.51         -17.00         31.51         43.50         -11.99         Peak           150.2800         35.97         -13.51         22.46         43.50         -21.04         Peak           185.2000         41.95         -12.46         29.49         43.50         -14.01         Peak           231.7600         37.19         -14.17         23.02         46.00         -22.98         Peak |

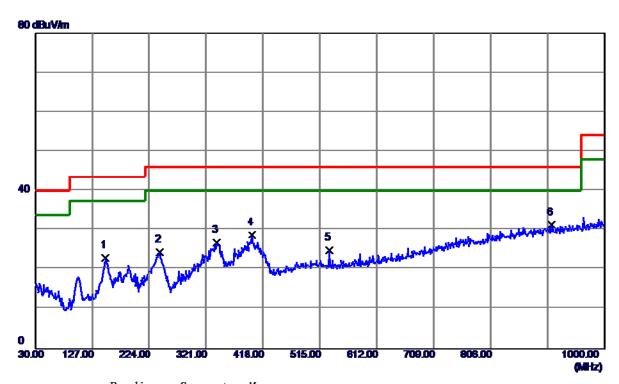
Report No.: BTL-FCCP-2-1712C022 Page 88 of 429





Test Mode: UNII-3/TX A Mode 5745MHz\_ Adapter: SOY-1200300US

# Horizontal



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 149. 3100 | 36. 57           | -13. 57           | 23.00           | 43.50  | -20. 50 | Peak     |         |
| 2   | 242. 4300 | 38. 90           | -14. 49           | 24.41           | 46.00  | -21. 59 | Peak     |         |
| 3   | 339. 4300 | 39. 03           | -12. 14           | 26.89           | 46.00  | -19. 11 | Peak     |         |
| 4   | 399. 5700 | 40. 22           | -11. 37           | 28.85           | 46.00  | -17. 15 | Peak     |         |
| 5   | 531. 4900 | 33. 06           | -8.09             | 24.97           | 46.00  | -21.03  | Peak     |         |
| 6 * | 909. 7900 | 30. 07           | 1. 22             | 31. 29          | 46.00  | -14.71  | Peak     |         |
|     |           |                  |                   |                 |        |         |          |         |

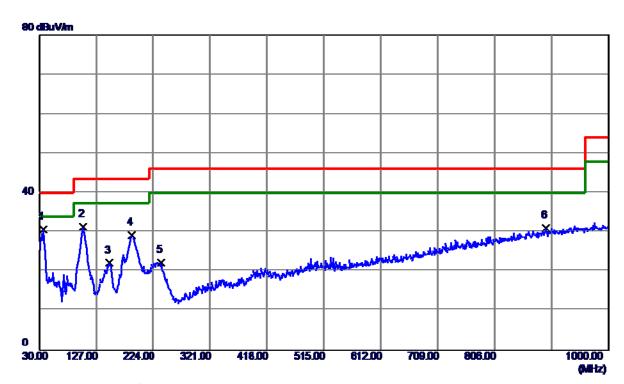
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Test Mode: UNII-3/TX A Mode 5785MHz\_ Adapter: SOY-1200300US

# Vertical



| No. | Freq.     | Level  | Factor  | measure | Limit  | Margin  |          |         |
|-----|-----------|--------|---------|---------|--------|---------|----------|---------|
|     | MHz       | dBuV/m | dB      | dBuV/m  | dBuV/m | dB      | Detector | Comment |
| 1 * | 36. 7900  | 45. 20 | -14. 41 | 30. 79  | 40.00  | -9. 21  | Peak     |         |
| 2   | 104.6900  | 48. 30 | -16. 87 | 31.43   | 43.50  | -12.07  | Peak     |         |
| 3   | 149. 3100 | 35. 74 | -13. 57 | 22. 17  | 43.50  | -21. 33 | Peak     |         |
| 4   | 187. 1400 | 41.86  | -12. 61 | 29. 25  | 43.50  | -14.25  | Peak     |         |
| 5   | 237. 5800 | 36. 62 | -14. 30 | 22. 32  | 46.00  | -23.68  | Peak     |         |
| 6   | 893. 3000 | 30. 18 | 0.89    | 31. 07  | 46.00  | -14.93  | Peak     |         |
|     |           |        |         |         |        |         |          |         |

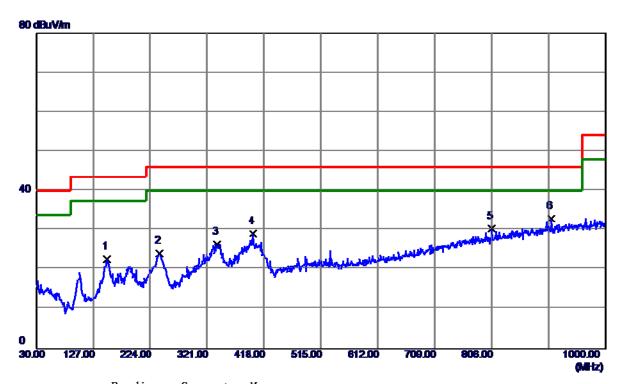
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Test Mode: UNII-3/TX A Mode 5785MHz\_ Adapter: SOY-1200300US

# Horizontal



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 150. 2800 | 36. 26           | -13. 51           | 22.75           | 43.50  | -20.75  | Peak     |         |
| 2   | 240. 4900 | 38. 57           | -14. 38           | 24. 19          | 46.00  | -21.81  | Peak     |         |
| 3   | 338. 4600 | 38. 63           | -12. 16           | 26. 47          | 46.00  | -19.53  | Peak     |         |
| 4   | 399. 5700 | 40. 53           | -11. 37           | 29. 16          | 46.00  | -16.84  | Peak     |         |
| 5   | 806. 0000 | 31.62            | -1.20             | 30. 42          | 46.00  | -15. 58 | Peak     |         |
| 6 * | 906. 8800 | 31.75            | 1. 16             | 32.91           | 46.00  | -13.09  | Peak     |         |
|     |           |                  |                   |                 |        |         |          |         |

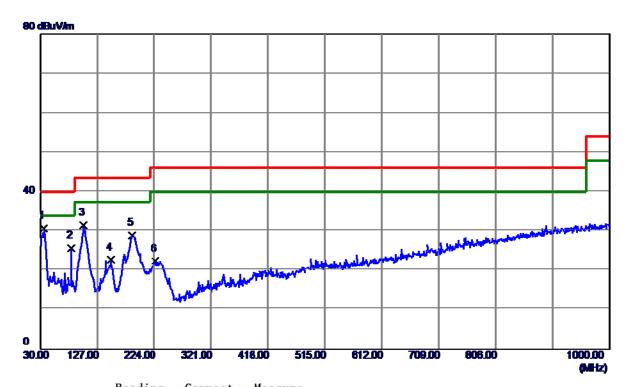
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Test Mode: UNII-3/TX A Mode 5825MHz\_ Adapter: SOY-1200300US

# Vertical



| No. | Freq.     | Level  | Factor  | measure<br>ment | Limit  | Margin |          |         |
|-----|-----------|--------|---------|-----------------|--------|--------|----------|---------|
|     | MHz       | dBuV/m | dB      | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 35.8200   | 45. 30 | -14. 51 | 30.79           | 40.00  | -9. 21 | Peak     |         |
| 2   | 82. 3800  | 44. 12 | -18. 31 | 25. 81          | 40.00  | -14.19 | Peak     |         |
| 3   | 103.7200  | 48. 54 | -17.00  | 31. 54          | 43.50  | -11.96 | Peak     |         |
| 4   | 150. 2800 | 36. 25 | -13. 51 | 22.74           | 43.50  | -20.76 | Peak     |         |
| 5   | 186. 1700 | 41.51  | -12. 54 | 28. 97          | 43.50  | -14.53 | Peak     |         |
| 6   | 225. 9400 | 36. 41 | -14.04  | 22. 37          | 46.00  | -23.63 | Peak     |         |
|     |           |        |         |                 |        |        |          |         |

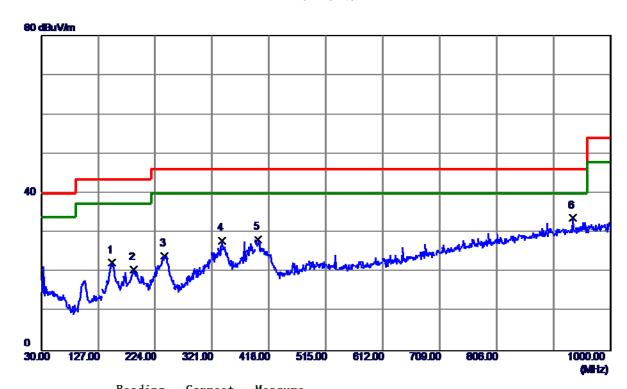
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Test Mode: UNII-3/TX A Mode 5825MHz\_ Adapter: SOY-1200300US

# Horizontal



| No. | Freq.     | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 150. 2800 | 35. 93           | -13. 51           | 22.42           | 43.50  | -21.08  | Peak     |         |
| 2   | 187. 1400 | 33. 25           | -12. 61           | 20.64           | 43.50  | -22.86  | Peak     |         |
| 3   | 240. 4900 | 38. 58           | -14. 38           | 24. 20          | 46.00  | -21.80  | Peak     |         |
| 4   | 338. 4600 | 40. 16           | -12. 16           | 28. 00          | 46.00  | -18.00  | Peak     |         |
| 5   | 399. 5700 | 39. 75           | -11. 37           | 28. 38          | 46.00  | -17.62  | Peak     |         |
| 6 * | 935. 9800 | 32. 11           | 1. 72             | 33.83           | 46.00  | -12. 17 | Peak     |         |
|     |           |                  |                   |                 |        |         |          |         |

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| APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ) |
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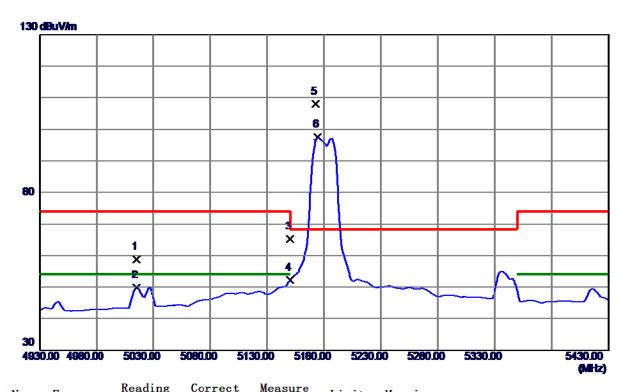
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| Orthogonal Axis: | x                         |
|------------------|---------------------------|
| Test Mode:       | UNII-1/ TX A Mode 5180MHz |

# **Vertical**



| No. | Freq.      | Level         | Factor | measure | Limit  | Margin  |          |          |
|-----|------------|---------------|--------|---------|--------|---------|----------|----------|
|     | MHz        | dBuV/m        | dB     | dBuV/m  | dBuV/m | dB      | Detector | Comment  |
| 1   | 5015. 0000 | 18. 43        | 40. 42 | 58.85   | 74.00  | -15. 15 | Peak     |          |
| 2   | 5015. 0000 | 9.41          | 40. 42 | 49.83   | 54.00  | -4.17   | AVG      |          |
| 3   | 5150.0000  | 24. 10        | 41. 10 | 65. 20  | 74.00  | -8.80   | Peak     |          |
| 4   | 5150. 0000 | <b>11.0</b> 1 | 41. 10 | 52. 11  | 54.00  | -1.89   | AVG      |          |
| 5 * | 5173. 0000 | 66. 80        | 41. 22 | 108. 02 | 68.30  | 39.72   | Peak     | No Limit |
| 6   | 5174. 5000 | <b>56.</b> 31 | 41. 23 | 97.54   | 999.00 | -901.46 | AVG      | No Limit |
|     |            |               |        |         |        |         |          |          |

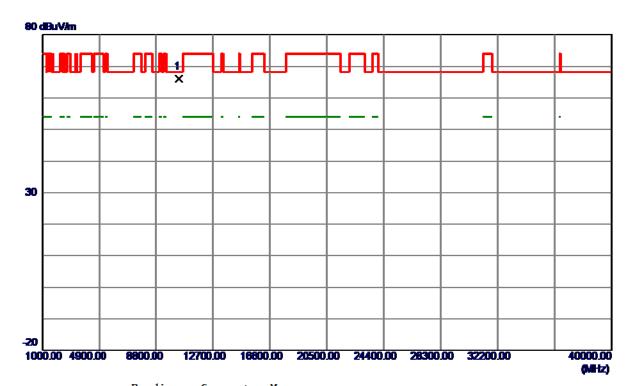
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Orthogonal Axis: X
Test Mode: UNII-1/ TX A Mode 5180MHz

# **Vertical**



| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10357.8720 | 49. 58           | 16. 33            | 65. 91          | 68.30  | -2. 39 | Peak     |         |

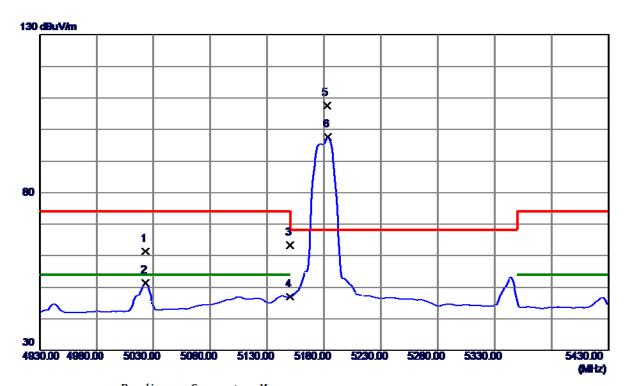
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| Orthogonal Axis: | X                         |
|------------------|---------------------------|
| Test Mode:       | UNII-1/ TX A Mode 5180MHz |

# Horizontal



| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment  |
| 1   | 5023. 0000 | <b>20.9</b> 4    | 40. 46            | 61.40           | 74.00  | -12.60  | Peak     |          |
| 2   | 5023.0000  | 10.88            | 40. 46            | 51. 34          | 54.00  | -2.66   | AVG      |          |
| 3   | 5150. 0000 | 22. 35           | 41. 10            | 63. 45          | 74.00  | -10. 55 | Peak     |          |
| 4   | 5150.0000  | 5. 90            | 41. 10            | 47.00           | 54.00  | -7.00   | AVG      |          |
| 5 * | 5182. 5000 | 66. 28           | 41. 27            | 107. 55         | 68. 30 | 39. 25  | Peak     | No Limit |
| 6   | 5183. 5000 | 56. 29           | 41. 27            | 97. 56          | 999.00 | -901.44 | AVG      | No Limit |

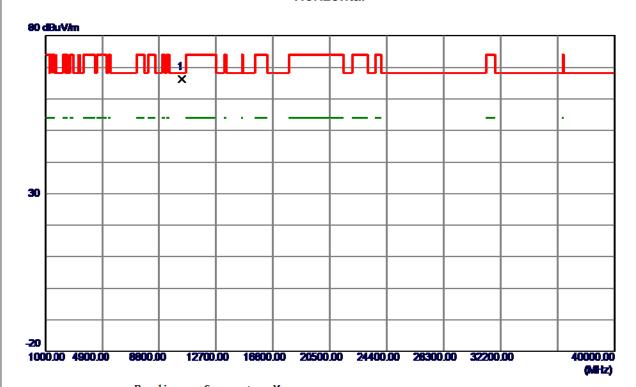
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Orthogonal Axis: X
Test Mode: UNII-1/ TX A Mode 5180MHz

# Horizontal



| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10352. 6000 | 49. 99           | 16. 31            | 66. 30          | 68.30  | -2.00  | Peak     |         |

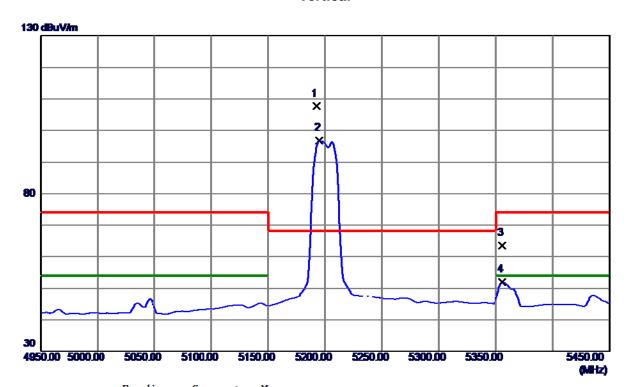
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| Orthogonal Axis: | X                         |
|------------------|---------------------------|
| Test Mode:       | UNII-1/ TX A Mode 5200MHz |

# Vertical



| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin   |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|----------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB       | Detector | Comment  |
| 1 * | 5192. 5000 | 66. 38           | 41. 32            | 107.70          | 68.30  | 39.40    | Peak     | No Limit |
| 2   | 5195. 0000 | 55. 42           | 41. 33            | 96. 75          | 999.00 | -902. 25 | AVG      | No Limit |
| 3   | 5355. 5000 | 21. 51           | 42. 15            | 63. 66          | 74.00  | -10. 34  | Peak     |          |
| 4   | 5355. 5000 | 9. 76            | 42. 15            | 51.91           | 54.00  | -2.09    | AVG      |          |
|     |            |                  |                   |                 |        |          |          |          |

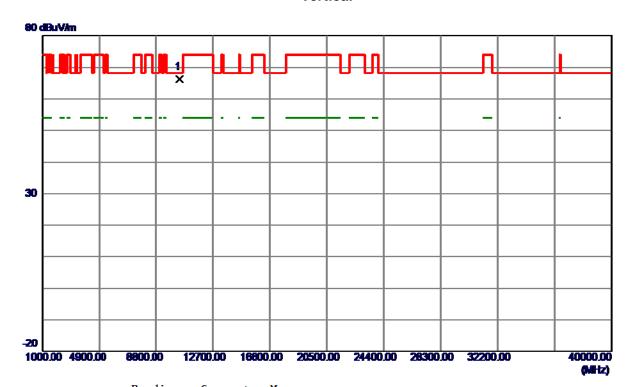
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Orthogonal Axis: X
Test Mode: UNII-1/ TX A Mode 5200MHz

# **Vertical**



| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10399. 1520 | 49. 69           | 16. 44            | 66. 13          | 68.30  | -2. 17 | Peak     |         |

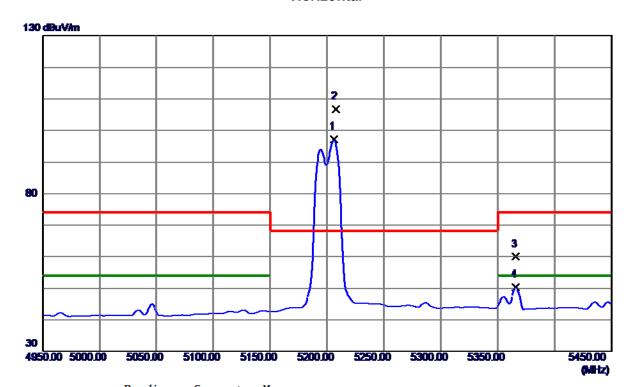
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| Orthogonal Axis: | X                         |
|------------------|---------------------------|
| Test Mode:       | UNII-1/ TX A Mode 5200MHz |

# Horizontal



| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment  |
| 1   | 5206.0000  | 55. 72           | 41. 39            | 97.11           | 999.00 | -901.89 | AVG      | No Limit |
| 2 * | 5208.0000  | 65. 42           | 41. 40            | 106.82          | 68. 30 | 38. 52  | Peak     | No Limit |
| 3   | 5366. 0000 | 17. 79           | 42. 20            | 59. 99          | 74.00  | -14.01  | Peak     |          |
| 4   | 5366. 0000 | 8. 22            | 42. 20            | 50. 42          | 54.00  | -3.58   | AVG      |          |
|     |            |                  |                   |                 |        |         |          |          |

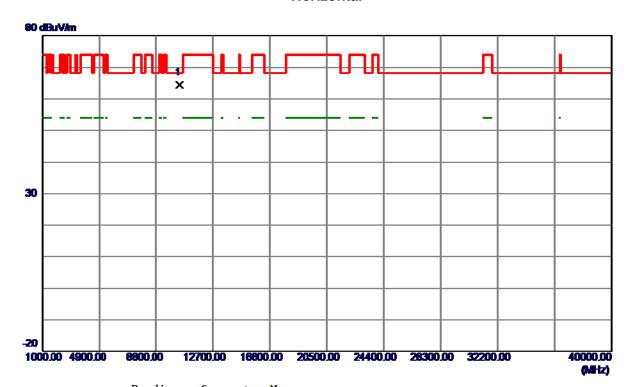
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Orthogonal Axis: X
Test Mode: UNII-1/ TX A Mode 5200MHz

# Horizontal



| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10396. 0000 | 47.93            | 16. 43            | 64. 36          | 68.30  | -3.94  | Peak     |         |

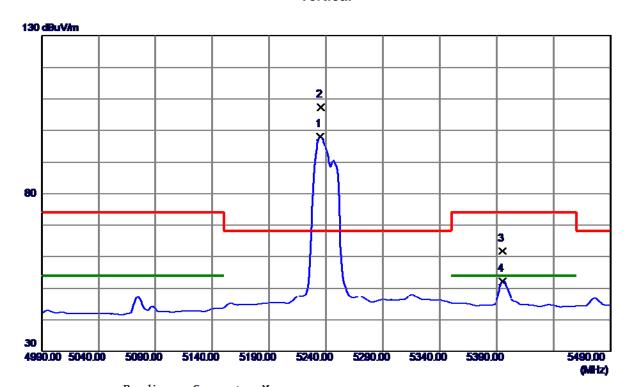
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| Orthogonal Axis: | X                         |
|------------------|---------------------------|
| Test Mode:       | UNII-1/ TX A Mode 5240MHz |

# Vertical



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin   |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|----------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB       | Detector | Comment  |
| 1   | 5235. 0000 | <b>56.</b> 54    | 41. 53            | 98. 07          | 999.00 | -900. 93 | AVG      | No Limit |
| 2 * | 5235. 5000 | 65. 90           | 41. 54            | 107.44          | 68. 30 | 39. 14   | Peak     | No Limit |
| 3   | 5394.9000  | 19. 45           | 42. 35            | 61.80           | 74.00  | -12. 20  | Peak     |          |
| 4   | 5395. 0000 | 9. 94            | 42. 35            | 52. 29          | 54.00  | -1.71    | AVG      |          |

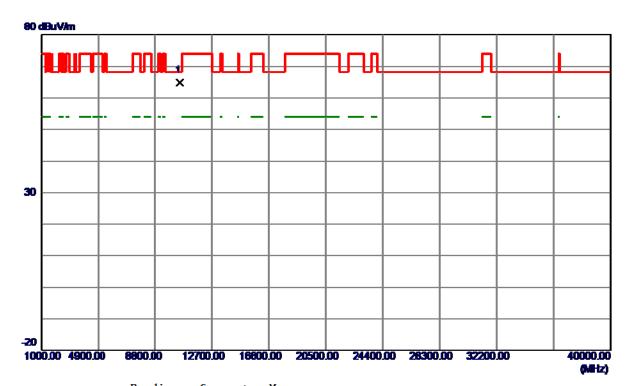
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Orthogonal Axis: X
Test Mode: UNII-1/ TX A Mode 5240MHz

# **Vertical**



| No. | Freq.       | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10479. 0020 | 48. 07           | 16. 65            | 64. 72          | 68.30  | -3. 58 | Peak     |         |

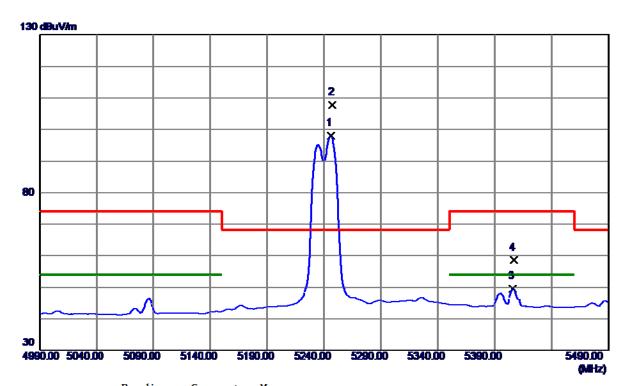
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| Orthogonal Axis: | X                         |
|------------------|---------------------------|
| Test Mode:       | UNII-1/ TX A Mode 5240MHz |

# Horizontal



| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin   |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|----------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB       | Detector | Comment  |
| 1   | 5246.0000  | <b>56. 4</b> 4   | 41. 59            | 98. 03          | 999.00 | -900. 97 | AVG      | No Limit |
| 2 * | 5247. 5000 | 66. 23           | 41.60             | 107.83          | 68.30  | 39. 53   | Peak     | No Limit |
| 3   | 5406.0000  | 7. 14            | 42. 40            | 49. 54          | 54.00  | -4.46    | AVG      |          |
| 4   | 5407. 1000 | 16. 15           | 42. 41            | 58. 56          | 74.00  | -15.44   | Peak     |          |
|     |            |                  |                   |                 |        |          |          |          |

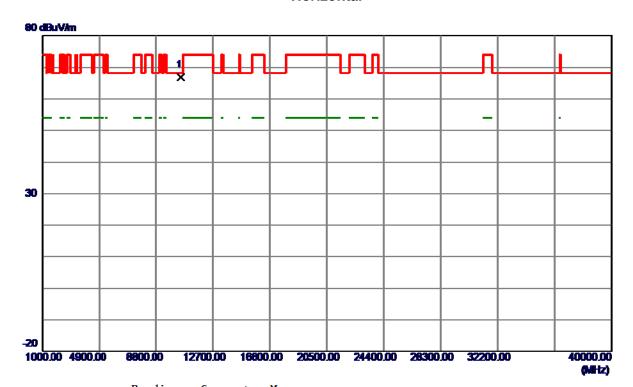
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Orthogonal Axis: X
Test Mode: UNII-1/ TX A Mode 5240MHz

# Horizontal



| No. | Freq.       | Keading<br>Level      | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|-----------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m                | ď₿                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10473. 2000 | <b>50.</b> 1 <b>4</b> | 16. 63            | 66.77           | 68.30  | -1.53  | Peak     |         |

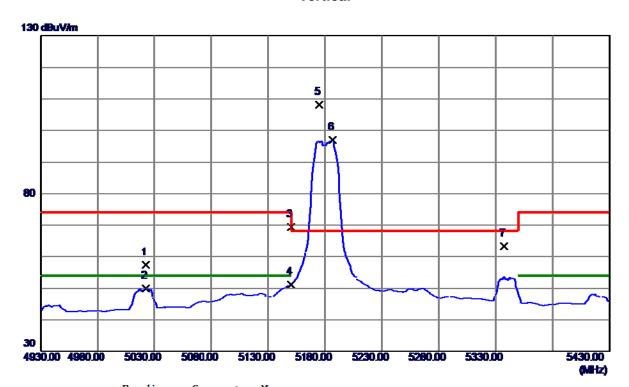
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Orthogonal Axis: X
Test Mode: UNII-1/ TX N20 Mode 5180MHz

# **Vertical**



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin   |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|----------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB       | Detector | Comment  |
| 1   | 5022.0000  | 16. 95           | 40. 45            | 57.40           | 74.00  | -16. 60  | Peak     |          |
| 2   | 5022.0000  | 9. 50            | 40. 45            | 49.95           | 54.00  | -4.05    | AVG      |          |
| 3   | 5150. 0000 | 28. 22           | 41. 10            | 69. 32          | 74.00  | -4.68    | Peak     |          |
| 4   | 5150.0000  | 10.09            | 41. 10            | 51. 19          | 54.00  | -2.81    | AVG      |          |
| 5 * | 5175. 0000 | 66. 90           | 41. 23            | 108. 13         | 68. 30 | 39.83    | Peak     | No Limit |
| 6   | 5186. 5000 | <b>55.70</b>     | 41. 29            | 96. 99          | 999.00 | -902. 01 | AVG      | No Limit |
| 7   | 5337. 0000 | 21.40            | 42. 05            | 63.45           | 68. 30 | -4.85    | Peak     |          |

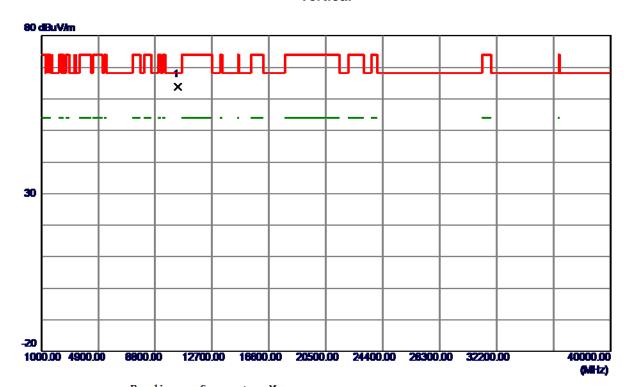
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Orthogonal Axis: X
Test Mode: UNII-1/ TX N20 Mode 5180MHz

# **Vertical**



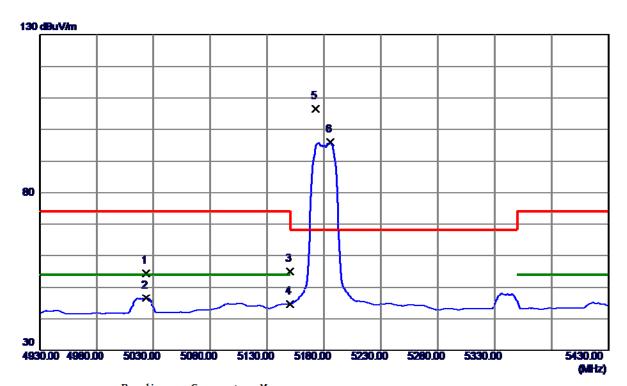
| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10359.6510 | 47.51            | 16. 33            | 63.84           | 68.30  | -4.46  | Peak     |         |

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| Orthogonal Axis: | X                           |
|------------------|-----------------------------|
| Test Mode:       | UNII-1/ TX N20 Mode 5180MHz |



| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment  |
| 1   | 5023. 5000 | 14.00            | 40. 46            | 54. 46          | 74.00  | -19. 54 | Peak     |          |
| 2   | 5023. 5000 | 6. 08            | 40. 46            | 46. 54          | 54.00  | -7.46   | AVG      |          |
| 3   | 5150. 0000 | 13. 90           | 41. 10            | <b>55. 00</b>   | 74.00  | -19.00  | Peak     |          |
| 4   | 5150.0000  | 3. 60            | 41. 10            | 44.70           | 54.00  | -9.30   | AVG      |          |
| 5 * | 5173. 0000 | 65. 34           | 41. 22            | 106. 56         | 68. 30 | 38. 26  | Peak     | No Limit |
| 6   | 5185. 5000 | 54.67            | 41. 28            | 95. 95          | 999.00 | -903.05 | AVG      | No Limit |

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Orthogonal Axis: X
Test Mode: UNII-1/ TX N20 Mode 5180MHz

## Horizontal



| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10361. 4000 | 50. 54           | 16. 33            | 66. 87          | 68.30  | -1.43  | Peak     |         |

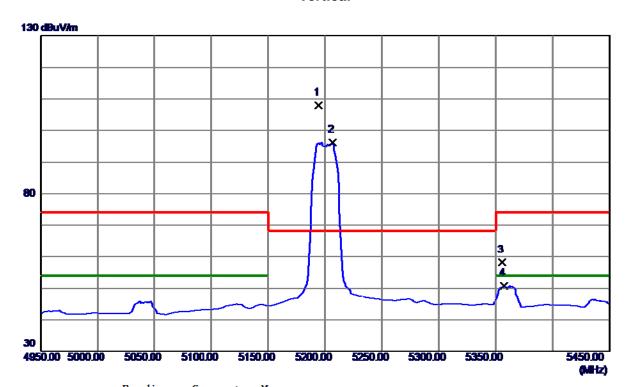
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| Orthogonal Axis: | X                           |
|------------------|-----------------------------|
| Test Mode:       | UNII-1/ TX N20 Mode 5200MHz |

## Vertical



| ] | No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |          |
|---|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
|   |     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment  |
|   | 1 * | 5194. 5000 | <b>66. 6</b> 4   | 41. 33            | 107.97          | 68. 30 | 39.67   | Peak     | No Limit |
| 2 | 2   | 5206. 5000 | 54.80            | 41. 39            | 96. 19          | 999.00 | -902.81 | AVG      | No Limit |
| ; | 3   | 5355. 5000 | 16. 13           | 42. 15            | 58. 28          | 74.00  | -15. 72 | Peak     |          |
| 4 | 1   | 5357.0000  | 8. 69            | 42. 15            | 50.84           | 54.00  | -3. 16  | AVG      |          |
|   |     |            |                  |                   |                 |        |         |          |          |

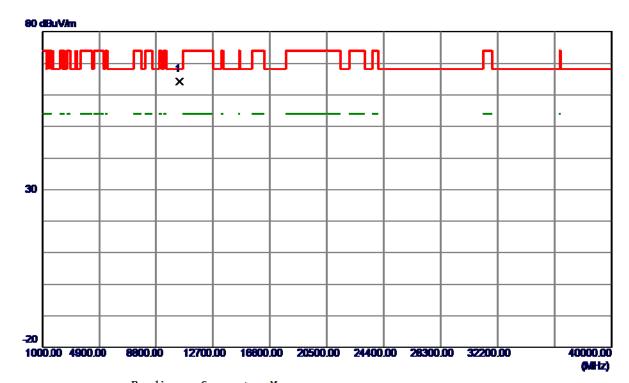
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Orthogonal Axis: X
Test Mode: UNII-1/ TX N20 Mode 5200MHz

## Vertical



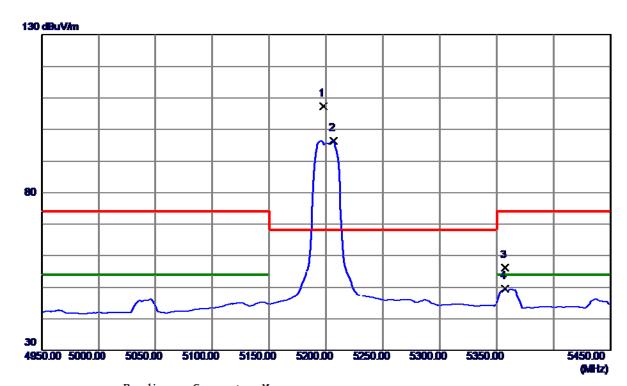
| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10399.8500 | 47.70            | 16. 44            | 64. 14          | 68.30  | -4. 16 | Peak     |         |

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| Orthogonal Axis: | X                           |
|------------------|-----------------------------|
| Test Mode:       | UNII-1/ TX N20 Mode 5200MHz |



| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin         |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|----------------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB             | Detector | Comment  |
| 1 * | 5198.0000  | 66.06            | 41. 35            | 107.41          | 68. 30 | 39.11          | Peak     | No Limit |
| 2   | 5206. 5000 | 55. 07           | 41. 39            | 96.46           | 999.00 | <b>-902.54</b> | AVG      | No Limit |
| 3   | 5357.0000  | 14. 12           | 42. 15            | 56. 27          | 74.00  | -17.73         | Peak     |          |
| 4   | 5357.0000  | 7.41             | 42. 15            | 49. 56          | 54.00  | -4.44          | AVG      |          |
|     |            |                  |                   |                 |        |                |          |          |

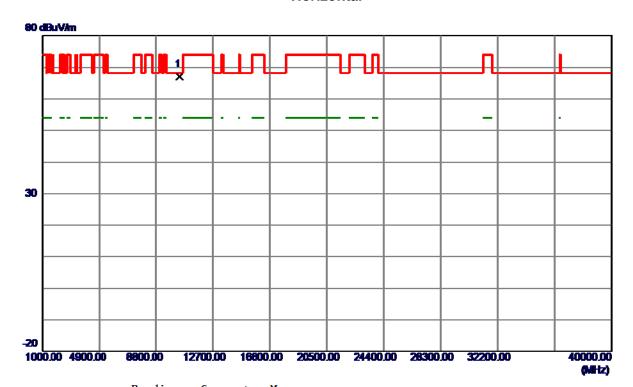
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Orthogonal Axis: X
Test Mode: UNII-1/ TX N20 Mode 5200MHz

## Horizontal



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10401.6000 | 50. 56           | 16. 44            | 67.00           | 68.30  | -1.30  | Peak     |         |

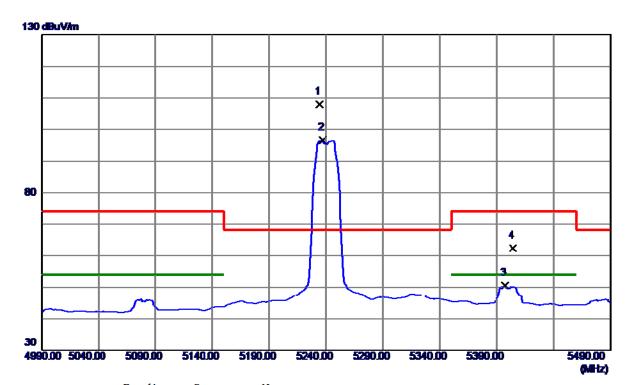
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| Orthogonal Axis: | X                           |
|------------------|-----------------------------|
| Test Mode:       | UNII-1/ TX N20 Mode 5240MHz |

## Vertical



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment  |
| 1 * | 5234. 5000 | 66. 49           | 41. 53            | 108.02          | 68. 30 | 39.72   | Peak     | No Limit |
| 2   | 5237.0000  | 55. 12           | 41. 54            | 96. 66          | 999.00 | -902.34 | AVG      | No Limit |
| 3   | 5397.0000  | 8. 16            | 42. 36            | 50. 52          | 54.00  | -3.48   | AVG      |          |
| 4   | 5404.4000  | 20. 10           | 42. 39            | 62.49           | 74.00  | -11.51  | Peak     |          |

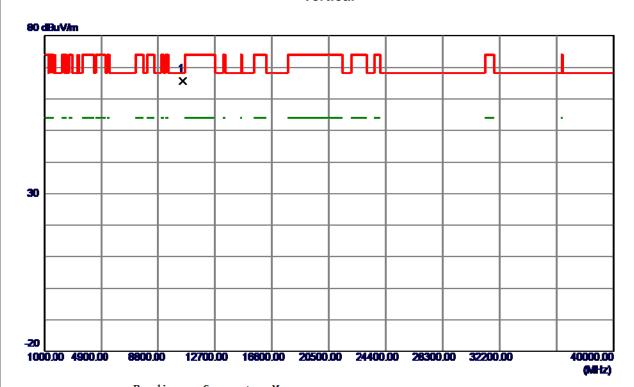
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Orthogonal Axis: X
Test Mode: UNII-1/ TX N20 Mode 5240MHz

## Vertical



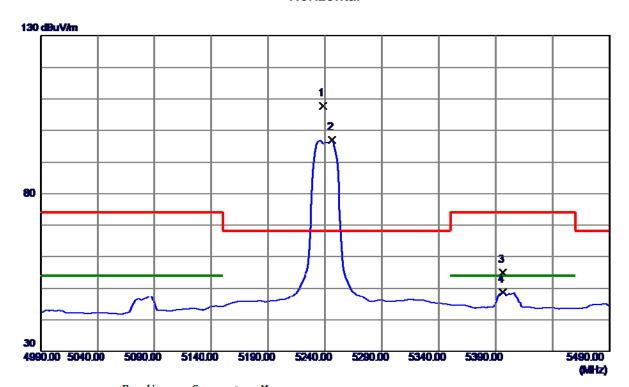
| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10480. 0000 | 48. 97           | 16.65             | 65. 62          | 68.30  | -2.68  | Peak     |         |

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| Orthogonal Axis: | X                           |
|------------------|-----------------------------|
| Test Mode:       | UNII-1/ TX N20 Mode 5240MHz |



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment  |
| 1 * | 5238. 5000 | 66. 33           | 41. 55            | 107.88          | 68. 30 | 39. 58  | Peak     | No Limit |
| 2   | 5246.0000  | 55. 32           | 41. 59            | 96. 91          | 999.00 | -902.09 | AVG      | No Limit |
| 3   | 5396. 0000 | 12. 66           | 42. 35            | 55. 01          | 74.00  | -18. 99 | Peak     |          |
| 4   | 5396. 0000 | 6. 38            | 42. 35            | 48.73           | 54.00  | -5. 27  | AVG      |          |

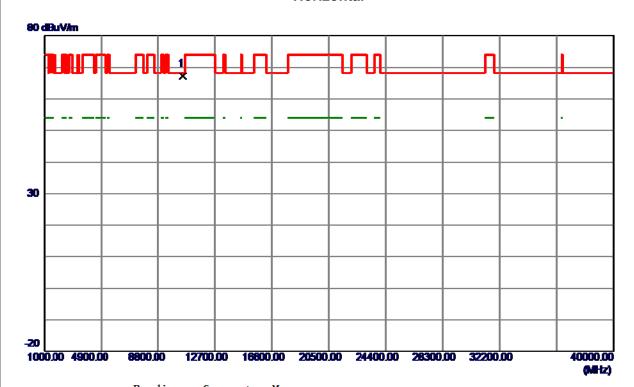
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Orthogonal Axis: X
Test Mode: UNII-1/ TX N20 Mode 5240MHz

## Horizontal



| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10476. 6000 | 50. 53           | 16. 64            | 67. 17          | 68.30  | -1. 13 | Peak     |         |

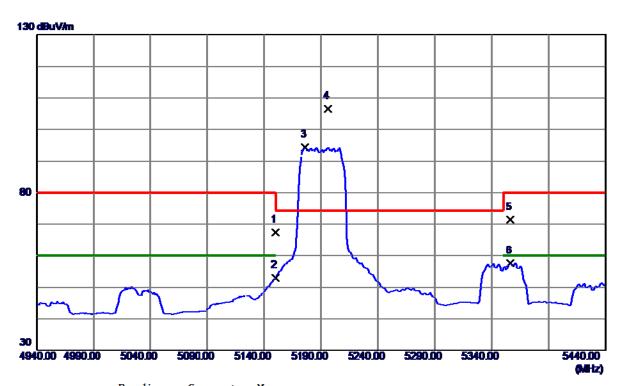
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Orthogonal Axis: X
Test Mode: UNII-1/ TX N40 Mode 5190MHz

## Vertical



| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment  |
| 1   | 5150. 0000 | 26. 34           | 41. 10            | 67.44           | 80.00  | -12. 56 | Peak     |          |
| 2   | 5150. 0000 | 11. 97           | 41. 10            | 53. 07          | 60.00  | -6. 93  | AVG      |          |
| 3   | 5176. 0000 | 53. 12           | 41. 23            | 94. 35          | 999.00 | -904.65 | AVG      | No Limit |
| 4 * | 5196. 0000 | 65. 30           | 41. 34            | 106.64          | 74.30  | 32. 34  | Peak     | No Limit |
| 5   | 5356. 5000 | 29. 28           | 42. 15            | 71.43           | 80.00  | -8. 57  | Peak     |          |
| 6   | 5356. 5000 | 15. 49           | 42. 15            | 57.64           | 60.00  | -2.36   | AVG      |          |

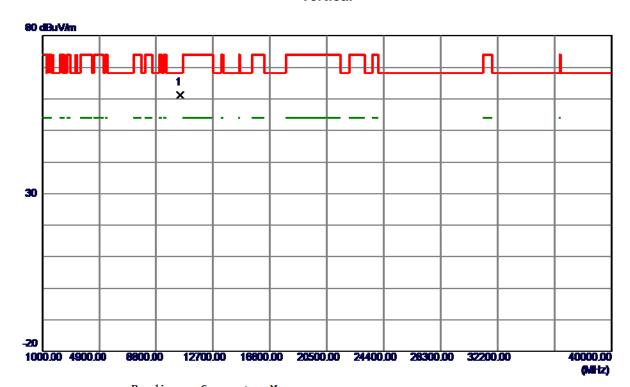
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Orthogonal Axis: X
Test Mode: UNII-1/ TX N40 Mode 5190MHz

## Vertical



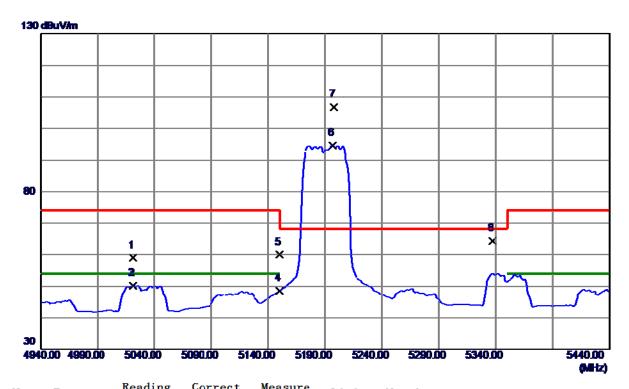
| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10460. 4490 | 44. 52           | 16. 60            | 61. 12          | 68.30  | -7. 18 | Peak     |         |

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| Orthogonal Axis: | X                           |
|------------------|-----------------------------|
| Test Mode:       | UNII-1/ TX N40 Mode 5190MHz |



| MHz dBuV/m dB dBuV/m dBuV/m dB                     | Detector Comment |
|--|------------------|
|  |                  |
| 1 5021.0000 18.50 40.45 58.95 74.00 -15.05         | Peak             |
| 2 5021. 0000 9. 83 40. 45 50. 28 54. 00 -3. 72     | AVG              |
| 3 5021. 0000 9. 83 40. 45 50. 28 54. 00 -3. 72     | AVG              |
| 4 5150.0000 7.43 41.10 48.53 74.00 -25.47          | Peak             |
| 5 5150.0000 18.94 41.10 60.04 74.00 -13.96         | Peak             |
| 6 5196. 5000 53. 28 41. 34 94. 62 999. 00 -904. 38 | 8 AVG No Limit   |
| 7 * 5198.0000 65.48 41.35 106.83 68.30 38.53       | Peak No Limit    |
| 8 5337. 0000 22. 37 42. 05 64. 42 68. 30 -3. 88    | Peak             |

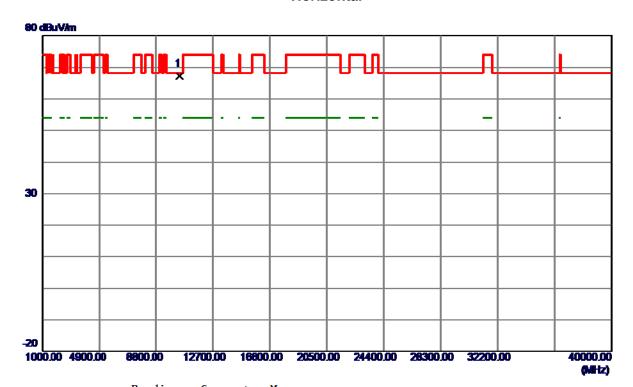
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Orthogonal Axis: X
Test Mode: UNII-1/ TX N40 Mode 5190MHz

## Horizontal



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10381.8000 | 50. 79           | 16. 39            | 67. 18          | 68.30  | -1. 12 | Peak     |         |

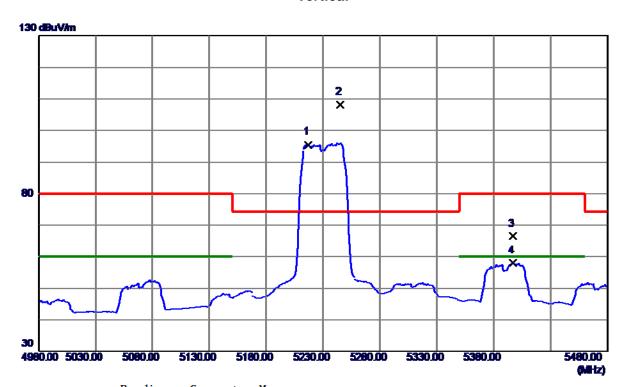
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| Orthogonal Axis: | X                           |
|------------------|-----------------------------|
| Test Mode:       | UNII-1/ TX N40 Mode 5230MHz |

## Vertical



| No. | Freq.     | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin   |          |          |
|-----|-----------|------------------|-------------------|-----------------|--------|----------|----------|----------|
|     | MHz       | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB       | Detector | Comment  |
| 1   | 5217.0000 | 54.06            | 41.44             | 95. 50          | 999.00 | -903. 50 | AVG      | No Limit |
| 2 * | 5245.0000 | 66. 57           | 41. 58            | 108. 15         | 74.30  | 33.85    | Peak     | No Limit |
| 3   | 5397.0000 | 24. 14           | 42. 36            | 66. 50          | 80.00  | -13. 50  | Peak     |          |
| 4   | 5397.0000 | 15. 66           | 42. 36            | <b>58. 0</b> 2  | 60.00  | -1.98    | AVG      |          |
|     |           |                  |                   |                 |        |          |          |          |

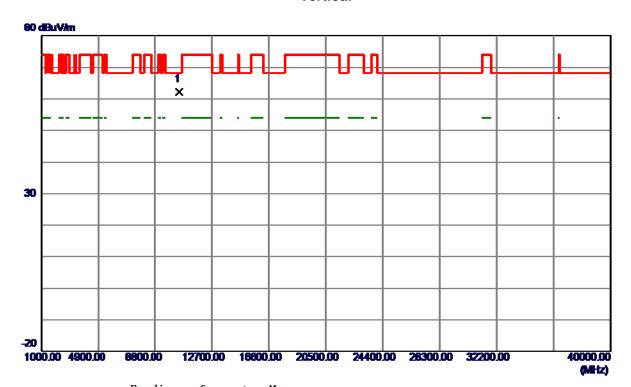
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Orthogonal Axis: X
Test Mode: UNII-1/ TX N40 Mode 5230MHz

## **Vertical**



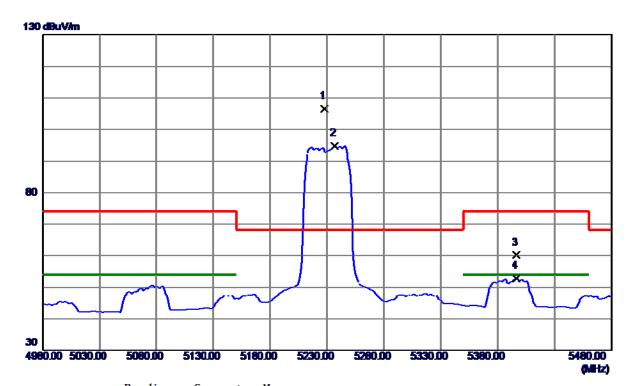
| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10460. 3890 | 45.61            | 16. 60            | 62. 21          | 68.30  | -6. 09 | Peak     |         |

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| Orthogonal Axis: | X                           |
|------------------|-----------------------------|
| Test Mode:       | UNII-1/ TX N40 Mode 5230MHz |



| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment  |
| 1 * | 5228. 0000 | <b>65.</b> 14    | 41. 50            | 106.64          | 68.30  | 38. 34  | Peak     | No Limit |
| 2   | 5236. 5000 | 53. 22           | 41. 54            | 94.76           | 999.00 | -904.24 | AVG      | No Limit |
| 3   | 5396. 5000 | 17.84            | 42. 35            | 60. 19          | 74.00  | -13.81  | Peak     |          |
| 4   | 5396. 5000 | 10.48            | 42. 35            | 52.83           | 54.00  | -1. 17  | AVG      |          |
|     |            |                  |                   |                 |        |         |          |          |

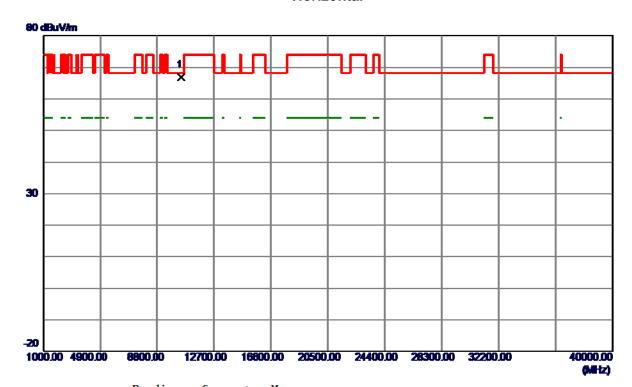
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Orthogonal Axis: X
Test Mode: UNII-1/ TX N40 Mode 5230MHz

## Horizontal



| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10461. 4000 | <b>50</b> . 10   | 16. 60            | 66. 70          | 68.30  | -1.60  | Peak     |         |

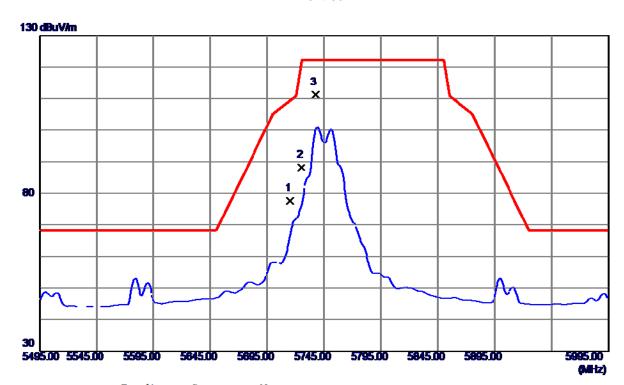
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| Orthogonal Axis: | X                        |
|------------------|--------------------------|
| Test Mode:       | UNII-3/TX A Mode 5745MHz |

# Vertical



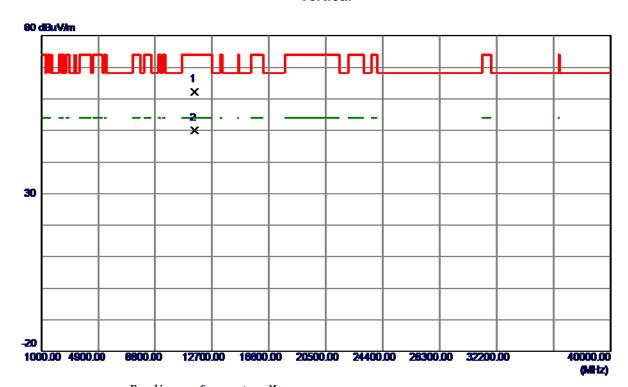
| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1   | 5715. 0000 | 34.07            | 43. 53            | 77. 60          | 109.40 | -31.80 | Peak     |         |
| 2   | 5725. 0000 | 44. 58           | 43. 56            | 88. 14          | 122.20 | -34.06 | Peak     |         |
| 3 * | 5737. 5000 | 67. 69           | 43. 60            | 111. 29         | 122.20 | -10.91 | Peak     |         |

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## **Vertical**



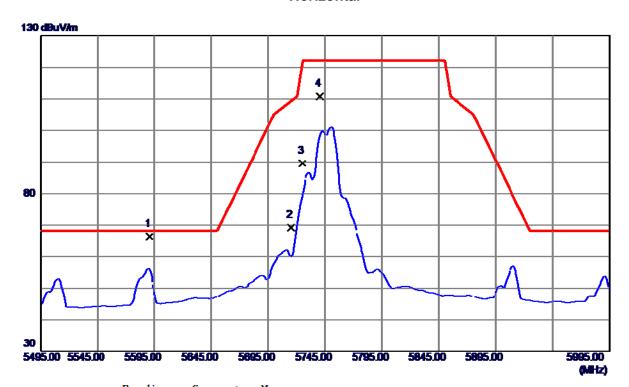
| No. | Freq.       | Keading<br>Level | Factor | measure<br>ment | Limit  | Margin  |          |         |
|-----|-------------|------------------|--------|-----------------|--------|---------|----------|---------|
|     | MHz         | dBuV/m           | dB     | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1   | 11488. 3900 | 44.53            | 17.74  | 62. 27          | 74.00  | -11. 73 | Peak     |         |
| 2 * | 11491. 4600 | 32. 33           | 17. 75 | 50.08           | 54.00  | -3.92   | AVG      |         |

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| Orthogonal Axis: | X                        |
|------------------|--------------------------|
| Test Mode:       | UNII-3/TX A Mode 5745MHz |



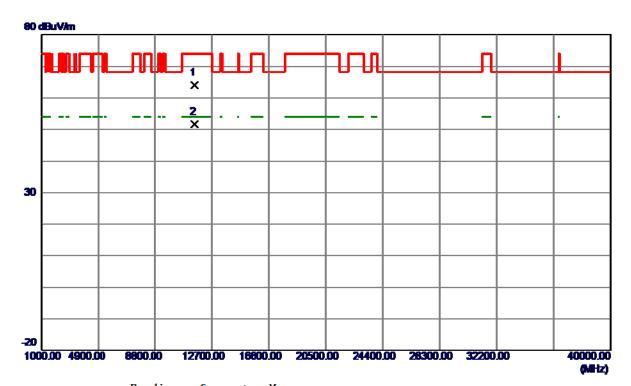
| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |         |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment |
| 1 * | 5590. 5000 | 23. 21           | 43. 15            | 66. 36          | 68. 20 | -1.84   | Peak     |         |
| 2   | 5715. 0000 | 25. 72           | 43. 53            | 69. 25          | 109.40 | -40. 15 | Peak     |         |
| 3   | 5725. 0000 | 46. 02           | 43. 56            | 89. 58          | 122.20 | -32.62  | Peak     |         |
| 4   | 5740. 5000 | <b>67.</b> 11    | 43. 61            | 110.72          | 122.20 | -11.48  | Peak     |         |

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## Horizontal



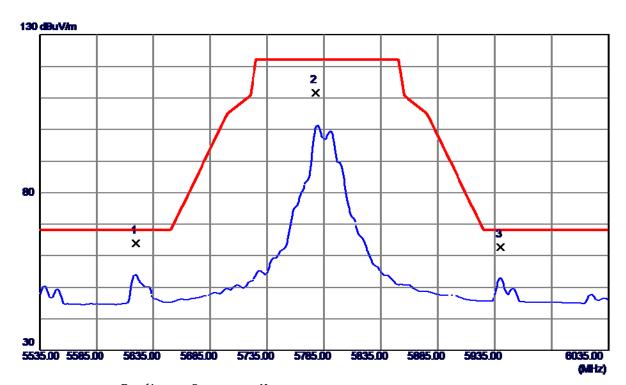
| No. | Freq.       | Keading<br>Level | Factor | measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|--------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB     | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1   | 11485. 9000 | 46. 35           | 17.74  | 64.09           | 74.00  | -9. 91 | Peak     |         |
| 2 * | 11486. 4000 | 33. 92           | 17.74  | 51.66           | 54.00  | -2. 34 | AVG      |         |

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## **Vertical**



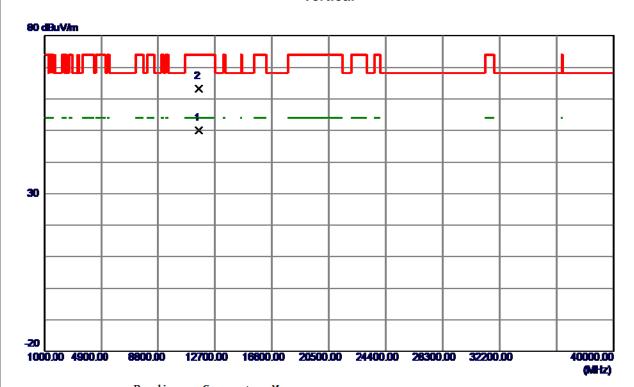
| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 5619. 5000 | 20. 76           | 43. 24            | 64.00           | 68. 20 | -4.20  | Peak     |         |
| 2   | 5777. 5000 | 67.82            | 43.72             | 111.54          | 122.20 | -10.66 | Peak     |         |
| 3   | 5940. 0000 | 18. 67           | 44. 21            | 62.88           | 68. 20 | -5. 32 | Peak     |         |

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## **Vertical**



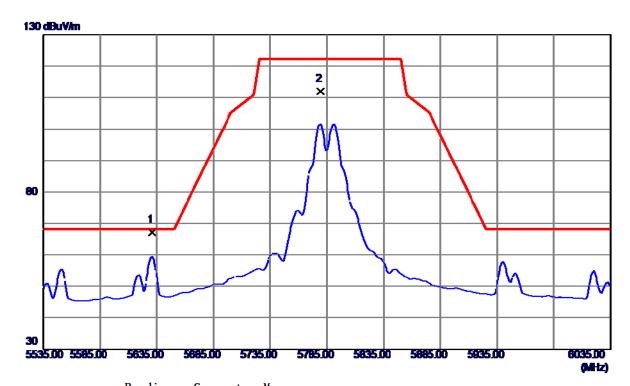
|             | Margin   | Limit        | measure<br>ment | Correct<br>Factor | Keading<br>Level | Freq.       | No. |
|-------------|----------|--------------|-----------------|-------------------|------------------|-------------|-----|
| Detector Co | dB D     | dBuV/m       | dBuV/m          | dB                | dBuV/m           | MHz         |     |
| AVG         | -4.09 A  | <b>54.00</b> | 49. 91          | 17.82             | 32. 09           | 11571. 1900 | 1 * |
| Peak        | −10.89 P | 74.00        | 63. 11          | 17.82             | 45. 29           | 11572. 7200 | 2   |
| AVG         | -4. 09 A | 54. 00       | 49. 91          | 17.82             | 32. 09           | 11571. 1900 | 1 * |

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| Orthogonal Axis: | X                        |
|------------------|--------------------------|
| Test Mode:       | UNII-3/TX A Mode 5785MHz |



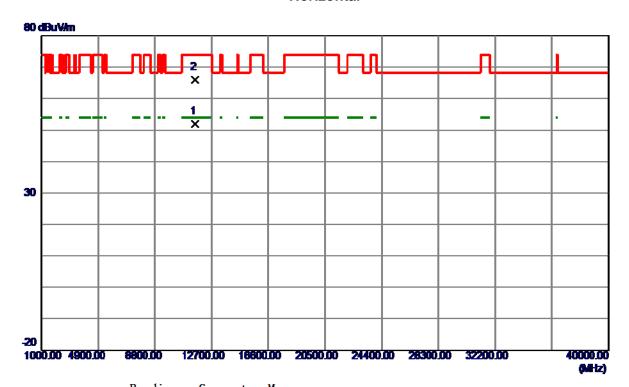
| No. | Freq.      | Level  | Factor | measure | Limit   | Margin  |          |         |
|-----|------------|--------|--------|---------|---------|---------|----------|---------|
|     | MHz        | dBuV/m | dB     | dBuV/m  | dBuV/m  | dB      | Detector | Comment |
| 1 * | 5631.0000  | 23.90  | 43. 28 | 67. 18  | 68.20   | -1.02   | Peak     |         |
| 2   | 5779. 5000 | 68. 36 | 43.72  | 112.08  | 122. 20 | -10. 12 | Peak     |         |

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## Horizontal



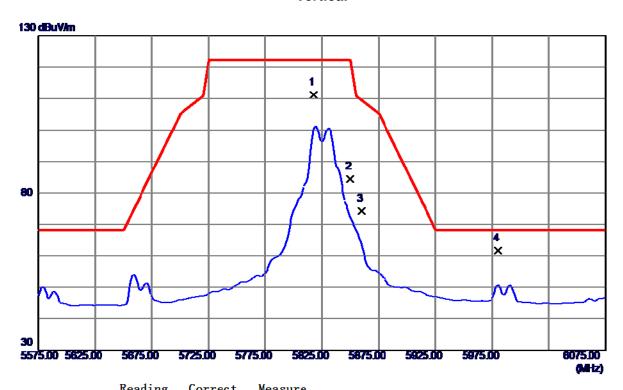
| No. | Freq.       | Level  | Factor | measure      | Limit        | Margin |          |         |
|-----|-------------|--------|--------|--------------|--------------|--------|----------|---------|
|     | MHz         | dBuV/m | dB     | dBuV/m       | dBuV/m       | dB     | Detector | Comment |
| 1 * | 11567.7000  | 34. 23 | 17.82  | <b>52.05</b> | <b>54.00</b> | -1.95  | AVG      |         |
| 2   | 11568. 0000 | 48. 20 | 17.82  | 66. 02       | 74.00        | -7.98  | Peak     |         |
|     |             |        |        |              |              |        |          |         |

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## **Vertical**



| No. | Freq.      | Level  | Factor | measure | Limit   | Margin  |          |         |
|-----|------------|--------|--------|---------|---------|---------|----------|---------|
|     | MHz        | dBuV/m | dB     | dBuV/m  | dBuV/m  | dB      | Detector | Comment |
| 1   | 5818. 0000 | 67. 39 | 43.84  | 111. 23 | 122. 20 | -10.97  | Peak     |         |
| 2   | 5850.0000  | 40.52  | 43.94  | 84.46   | 122. 20 | -37.74  | Peak     |         |
| 3   | 5860.0000  | 30. 19 | 43. 97 | 74. 16  | 109.40  | -35. 24 | Peak     |         |
| 4 * | 5980.0000  | 17.30  | 44. 33 | 61.63   | 68.20   | -6. 57  | Peak     |         |

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## **Vertical**



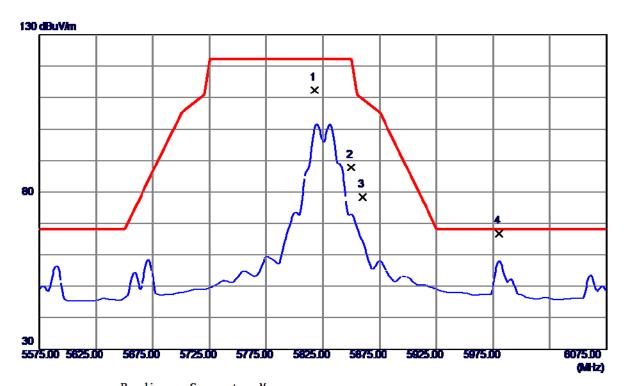
| No. | Freq.       | Level  | Factor | measure | Limit  | Margin  |          |         |
|-----|-------------|--------|--------|---------|--------|---------|----------|---------|
|     | MHz         | dBuV/m | dB     | dBuV/m  | dBuV/m | dB      | Detector | Comment |
| 1   | 11648. 5300 | 45. 97 | 17.86  | 63.83   | 74.00  | -10. 17 | Peak     |         |
| 2 * | 11651. 1400 | 31. 76 | 17.86  | 49.62   | 54.00  | -4.38   | AVG      |         |

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## Horizontal



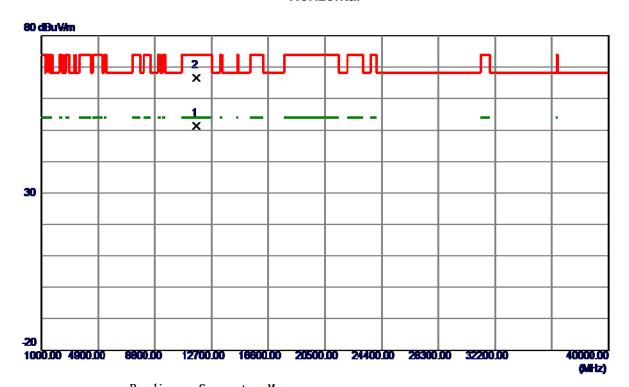
| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit   | Margin |          |         |
|-----|------------|------------------|-------------------|-----------------|---------|--------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m  | dB     | Detector | Comment |
| 1   | 5818. 0000 | 68. 55           | 43.84             | 112. 39         | 122. 20 | -9.81  | Peak     |         |
| 2   | 5850.0000  | 43.93            | 43.94             | 87.87           | 122. 20 | -34.33 | Peak     |         |
| 3   | 5860. 0000 | 34.52            | 43. 97            | 78. 49          | 109.40  | -30.91 | Peak     |         |
| 4 * | 5980. 0000 | 22. 55           | 44. 33            | 66. 88          | 68.20   | -1.32  | Peak     |         |
|     |            |                  |                   |                 |         |        |          |         |

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## Horizontal



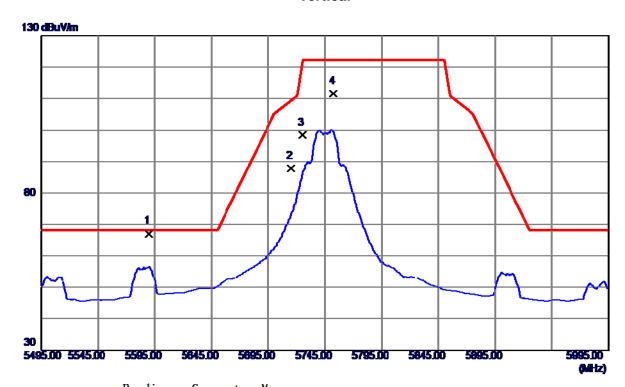
| No. | Freq.       | Level  | Factor | measure | Limit        | Margin |          |         |
|-----|-------------|--------|--------|---------|--------------|--------|----------|---------|
|     | MHz         | dBuV/m | dB     | dBuV/m  | dBuV/m       | dB     | Detector | Comment |
| 1 * | 11647.8500  | 33. 58 | 17.86  | 51.44   | <b>54.00</b> | -2.56  | AVG      |         |
| 2   | 11648. 4000 | 48. 73 | 17.86  | 66. 59  | 74.00        | -7.41  | Peak     |         |

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## **Vertical**



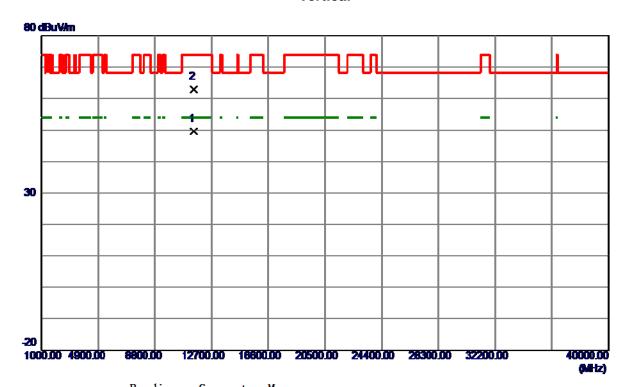
| No. | Freq.              | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit   | Margin |          |         |
|-----|--------------------|------------------|-------------------|-----------------|---------|--------|----------|---------|
|     | MHz                | dBuV/m           | dB                | dBuV/m          | dBuV/m  | dB     | Detector | Comment |
| 1 * | 5590.0000          | 23.95            | 43. 15            | 67. 10          | 68.20   | -1.10  | Peak     |         |
| 2   | 5715.0000          | 44.22            | 43. 53            | 87.75           | 109.40  | -21.65 | Peak     |         |
| 3   | 5725. 0000         | 54.77            | 43. 56            | 98. 33          | 122. 20 | -23.87 | Peak     |         |
| 4   | 5752. 5 <b>000</b> | 67.87            | 43.64             | 111. 51         | 122. 20 | -10.69 | Peak     |         |
|     |                    |                  |                   |                 |         |        |          |         |

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## **Vertical**



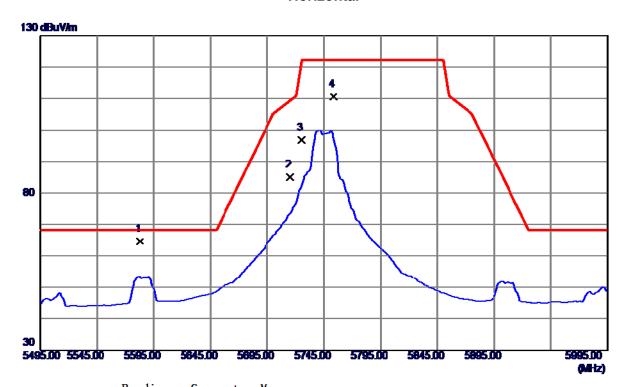
| Freq.       | Level              | Factor | ment                                    | Limit                 | Margin   |          |         |
|-------------|--------------------|--------|---|-----------------------|--|----------|---------|
| MHz         | dBuV/m             | dB     | dBuV/m                                  | dBuV/m                | dB   | Detector | Comment |
| 11487. 2500 | 31. 94             | 17.74  | 49.68                                   | 54.00                 | -4.32  | AVG      |         |
| 11489.8500  | 45. 34             | 17.75  | 63.09                                   | 74.00                 | <b>-10.9</b> 1   | Peak     |         |
|             | MHz<br>11487. 2500 | Level  | MHz dBuV/m dB<br>11487.2500 31.94 17.74 | Heve1   Factor   ment | HHz dBuV/m dB dBuV/m dBuV/m 11487.2500 31.94 17.74 49.68 54.00 | Heve1    | Heve1   |

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| Orthogonal Axis: | X                          |
|------------------|----------------------------|
| Test Mode:       | UNII-3/TX N20 Mode 5745MHz |



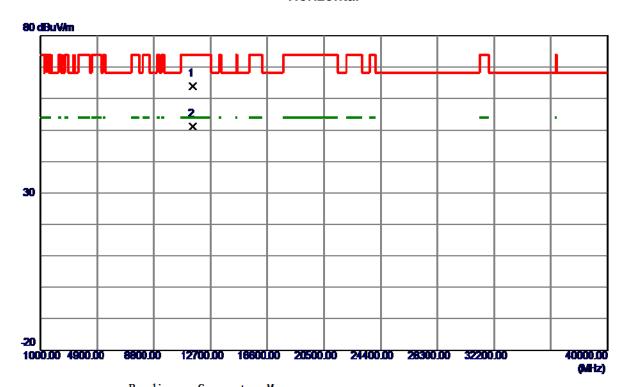
| No. | Freq.               | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit           | Margin |          |         |
|-----|---------------------|------------------|-------------------|-----------------|-----------------|--------|----------|---------|
|     | MHz                 | dBuV/m           | dB                | dBuV/m          | dBuV/m          | dB     | Detector | Comment |
| 1 * | 5583. 0000          | 21.43            | 43. 13            | 64. 56          | 68.20           | -3.64  | Peak     |         |
| 2   | 5715.0000           | 41.53            | 43.53             | 85.06           | 109.40          | -24.34 | Peak     |         |
| 3   | 5725. 0000          | 53. 21           | 43. 56            | 96. 77          | 122. 20         | -25.43 | Peak     |         |
| 4   | 5753. 5 <b>0</b> 00 | 66. 87           | 43.65             | 110. 52         | 122. 2 <b>0</b> | -11.68 | Peak     |         |
|     |                     |                  |                   |                 |                 |        |          |         |

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## Horizontal



| No. | Freq.       | Level  | Factor | measure | Limit  | Margin |          |         |
|-----|-------------|--------|--------|---------|--------|--------|----------|---------|
|     | MHz         | dBuV/m | dB     | dBuV/m  | dBuV/m | dB     | Detector | Comment |
| 1   | 11487. 4500 | 46. 34 | 17.74  | 64.08   | 74.00  | -9.92  | Peak     |         |
| 2 * | 11492. 1000 | 33. 38 | 17. 76 | 51. 14  | 54.00  | -2.86  | AVG      |         |

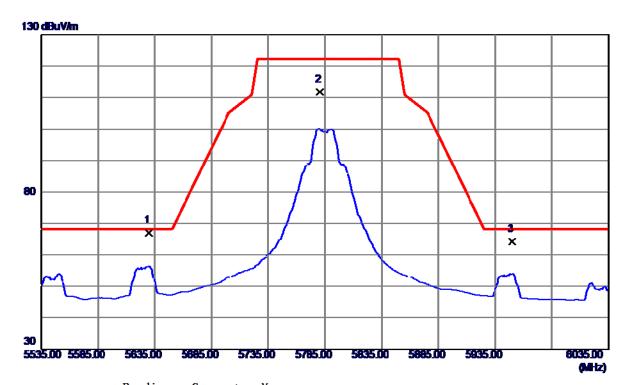
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| Orthogonal Axis: | X                          |
|------------------|----------------------------|
| Test Mode:       | UNII-3/TX N20 Mode 5785MHz |

## Vertical



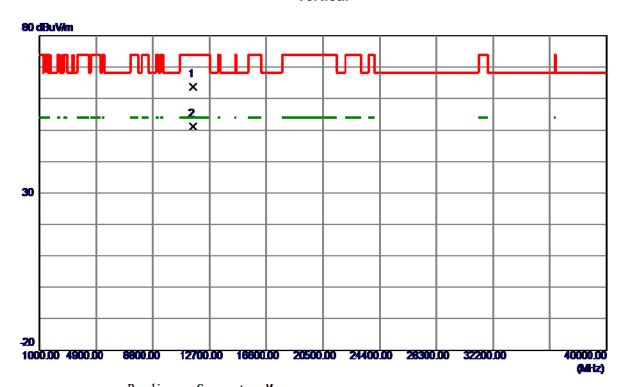
| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit   | Margin |          |         |
|-----|------------|------------------|-------------------|-----------------|---------|--------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m  | dB     | Detector | Comment |
| 1 * | 5630.0000  | 23. 76           | 43. 27            | 67.03           | 68.20   | -1.17  | Peak     |         |
| 2   | 5780. 5000 | 68. 15           | 43.73             | 111.88          | 122. 20 | -10.32 | Peak     |         |
| 3   | 5950. 0000 | 19. 96           | 44. 24            | 64. 20          | 68.20   | -4.00  | Peak     |         |

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## **Vertical**



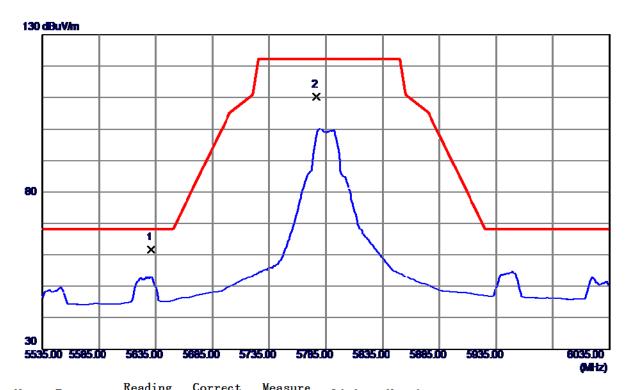
| No. | Freq.       | Level  | Factor | measure | Limit  | Margin  |          |         |
|-----|-------------|--------|--------|---------|--------|---------|----------|---------|
|     | MHz         | dBuV/m | dB     | dBuV/m  | dBuV/m | dB      | Detector | Comment |
| 1   | 11571.7300  | 45. 92 | 17.82  | 63.74   | 74.00  | -10. 26 | Peak     |         |
| 2 * | 11572. 0000 | 33. 31 | 17.82  | 51. 13  | 54.00  | -2.87   | AVG      |         |

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| Orthogonal Axis: | X                          |
|------------------|----------------------------|
| Test Mode:       | UNII-3/TX N20 Mode 5785MHz |



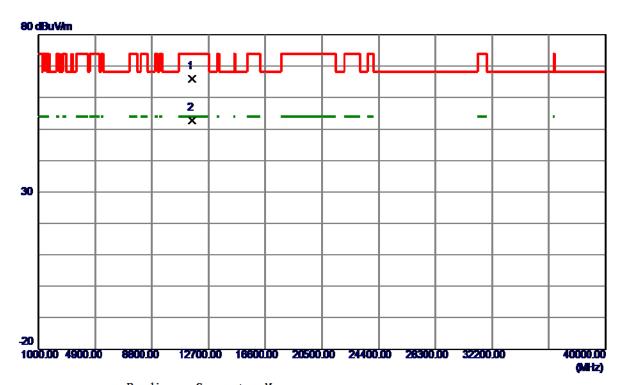
| No. | Freq.      | Level  | Factor | measure | Limit   | Margin  |          |         |
|-----|------------|--------|--------|---------|---------|---------|----------|---------|
|     | MHz        | dBuV/m | dB     | dBuV/m  | dBuV/m  | dB      | Detector | Comment |
| 1 * | 5631.0000  | 18. 39 | 43. 28 | 61. 67  | 68.20   | -6. 53  | Peak     |         |
| 2   | 5776. 5000 | 66. 55 | 43.71  | 110. 26 | 122. 20 | -11. 94 | Peak     |         |
|     |            |        |        |         |         |         |          |         |

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| Orthogonal Axis: | X                          |
|------------------|----------------------------|
| Test Mode:       | UNII-3/TX N20 Mode 5785MHz |



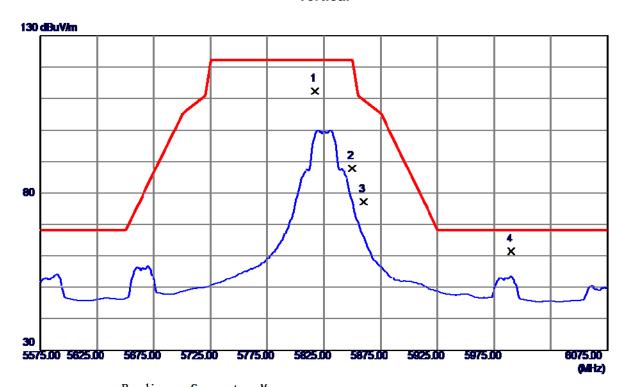
| No. | Freq.       | Level  | Factor | measure | Limit  | Margin |          |         |
|-----|-------------|--------|--------|---------|--------|--------|----------|---------|
|     | MHz         | dBuV/m | dB     | dBuV/m  | dBuV/m | dB     | Detector | Comment |
| 1   | 11567.0500  | 48. 18 | 17.82  | 66.00   | 74.00  | -8.00  | Peak     |         |
| 2 * | 11572. 0000 | 34. 97 | 17.82  | 52. 79  | 54.00  | -1. 21 | AVG      |         |

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| Orthogonal Axis: | X                          |
|------------------|----------------------------|
| Test Mode:       | UNII-3/TX N20 Mode 5825MHz |



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit   | Margin  |          |         |
|-----|------------|------------------|-------------------|-----------------|---------|---------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m  | dB      | Detector | Comment |
| 1   | 5817.0000  | 68. 58           | 43.84             | 112. 42         | 122. 20 | -9. 78  | Peak     |         |
| 2   | 5850.0000  | 43.93            | 43.94             | 87.87           | 122. 20 | -34.33  | Peak     |         |
| 3   | 5860. 0000 | 33. 21           | 43. 97            | 77. 18          | 109.40  | -32. 22 | Peak     |         |
| 4 * | 5990. 0000 | 17.06            | 44. 36            | 61.42           | 68.20   | -6. 78  | Peak     |         |
|     |            |                  |                   |                 |         |         |          |         |

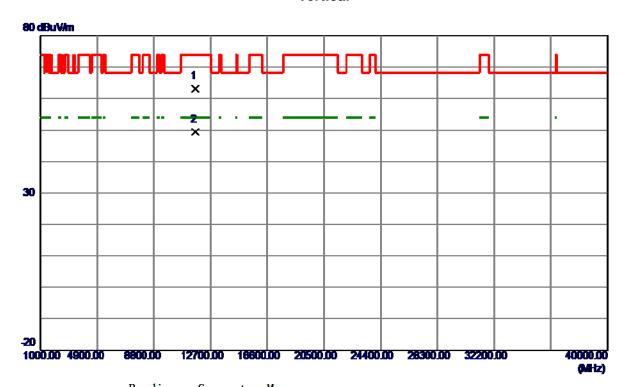
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Orthogonal Axis: X
Test Mode: UNII-3/TX N20 Mode 5825MHz

### **Vertical**



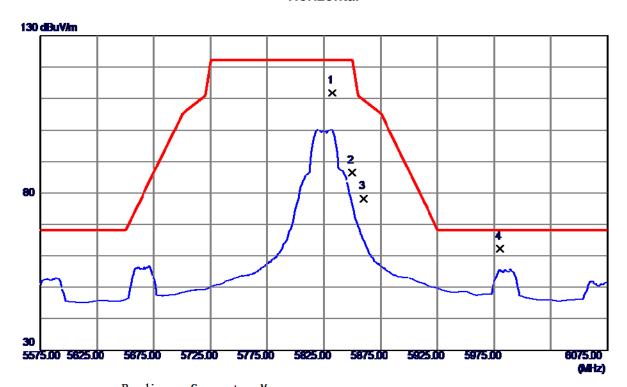
| No. | Freq.       | Level  | Factor | measure | Limit  | Margin         |          |         |
|-----|-------------|--------|--------|---------|--------|----------------|----------|---------|
|     | MHz         | dBuV/m | dB     | dBuV/m  | dBuV/m | dB             | Detector | Comment |
| 1   | 11651. 9200 | 45. 33 | 17.86  | 63. 19  | 74.00  | <b>-10.8</b> 1 | Peak     |         |
| 2 * | 11652. 0599 | 31.60  | 17.86  | 49. 46  | 54.00  | -4.54          | AVG      |         |

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| Orthogonal Axis: | X                          |
|------------------|----------------------------|
| Test Mode:       | UNII-3/TX N20 Mode 5825MHz |



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit   | Margin  |          |         |
|-----|------------|------------------|-------------------|-----------------|---------|---------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m  | dB      | Detector | Comment |
| 1   | 5832. 0000 | 67.91            | 43.88             | 111. 79         | 122. 20 | -10.41  | Peak     |         |
| 2   | 5850.0000  | 42.48            | 43.94             | 86.42           | 122. 20 | -35. 78 | Peak     |         |
| 3   | 5860. 0000 | 34.31            | 43. 97            | 78. 28          | 109.40  | -31. 12 | Peak     |         |
| 4 * | 5980. 0000 | 17.79            | 44. 33            | 62. 12          | 68.20   | -6. 08  | Peak     |         |
|     |            |                  |                   |                 |         |         |          |         |

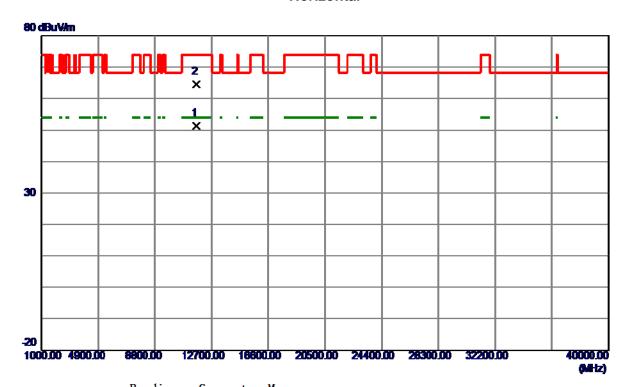
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Orthogonal Axis: X
Test Mode: UNII-3/TX N20 Mode 5825MHz

### Horizontal



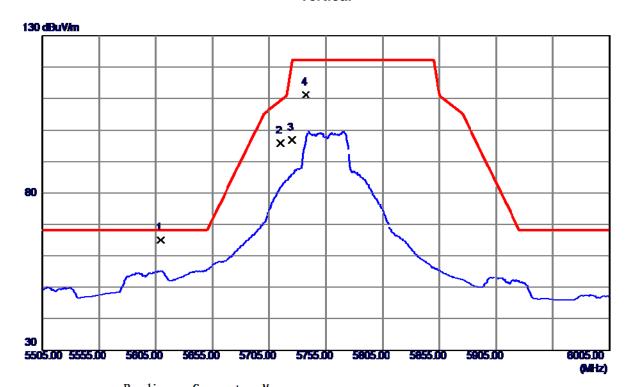
| ctor Comment |
|--------------|
|              |
|              |
| ς.           |

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| Orthogonal Axis: | X                          |
|------------------|----------------------------|
| Test Mode:       | UNII-3/TX N40 Mode 5755MHz |



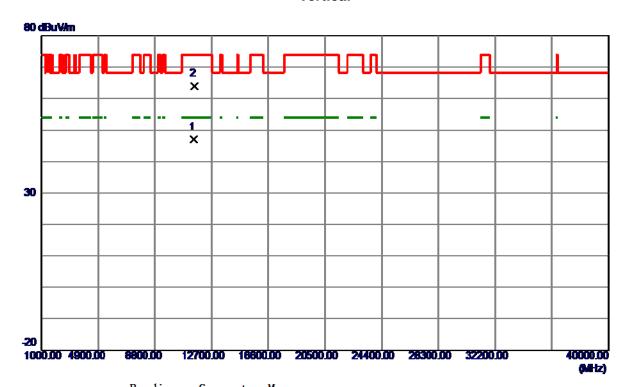
| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit   | Margin  |          |         |
|-----|------------|------------------|-------------------|-----------------|---------|---------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m  | dB      | Detector | Comment |
| 1 * | 5609. 5000 | 21.78            | 43. 21            | 64.99           | 68.20   | -3. 21  | Peak     |         |
| 2   | 5715.0000  | 52. 18           | 43.53             | 95.71           | 109.40  | -13.69  | Peak     |         |
| 3   | 5725. 0000 | 53. 26           | 43. 56            | 96. 82          | 122. 20 | -25. 38 | Peak     |         |
| 4   | 5737. 0000 | 67.64            | 43.60             | 111. 24         | 122. 20 | -10.96  | Peak     |         |
|     |            |                  |                   |                 |         |         |          |         |

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| Orthogonal Axis: | X                          |
|------------------|----------------------------|
| Test Mode:       | UNII-3/TX N40 Mode 5755MHz |



| No. | Freq.       | Level  | Factor | measure<br>ment | Limit        | Margin |          |         |
|-----|-------------|--------|--------|-----------------|--------------|--------|----------|---------|
|     | MHz         | dBuV/m | dB     | dBuV/m          | dBuV/m       | dB     | Detector | Comment |
| 1 * | 11507.6150  | 29. 30 | 17. 79 | 47.09           | <b>54.00</b> | -6. 91 | AVG      |         |
| 2   | 11511. 2150 | 46. 30 | 17. 79 | 64. 09          | 74.00        | -9. 91 | Peak     |         |
|     |             |        |        |                 |              |        |          |         |

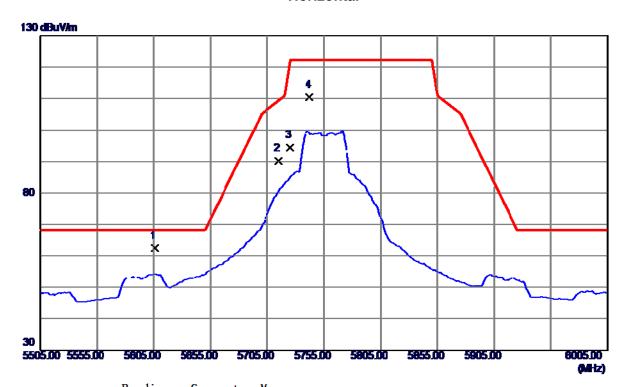
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Orthogonal Axis: X
Test Mode: UNII-3/TX N40 Mode 5755MHz

### Horizontal



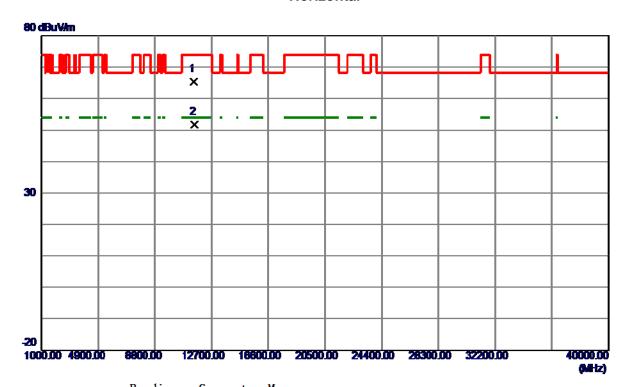
| No. | Freq.      | Level  | Factor | measure | Limit   | Margin  |          |         |
|-----|------------|--------|--------|---------|---------|---------|----------|---------|
|     | MHz        | dBuV/m | dB     | dBuV/m  | dBuV/m  | dB      | Detector | Comment |
| 1 * | 5606.0000  | 19. 24 | 43. 20 | 62.44   | 68.20   | -5. 76  | Peak     |         |
| 2   | 5715.0000  | 46.70  | 43. 53 | 90. 23  | 109.40  | -19. 17 | Peak     |         |
| 3   | 5725. 0000 | 50.76  | 43. 56 | 94. 32  | 122. 20 | -27.88  | Peak     |         |
| 4   | 5742. 5000 | 66.75  | 43.61  | 110. 36 | 122. 20 | -11.84  | Peak     |         |
|     |            |        |        |         |         |         |          |         |

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| Orthogonal Axis: | X                          |
|------------------|----------------------------|
| Test Mode:       | UNII-3/TX N40 Mode 5755MHz |



| No. | Freq.      | Level  | Factor | measure | Limit  | Margin |          |         |
|-----|------------|--------|--------|---------|--------|--------|----------|---------|
|     | MHz        | dBuV/m | dB     | dBuV/m  | dBuV/m | dB     | Detector | Comment |
| 1   | 11507.0000 | 47.63  | 17. 79 | 65. 42  | 74.00  | -8. 58 | Peak     |         |
| 2 * | 11511.7000 | 34. 08 | 17. 79 | 51.87   | 54.00  | -2. 13 | AVG      |         |

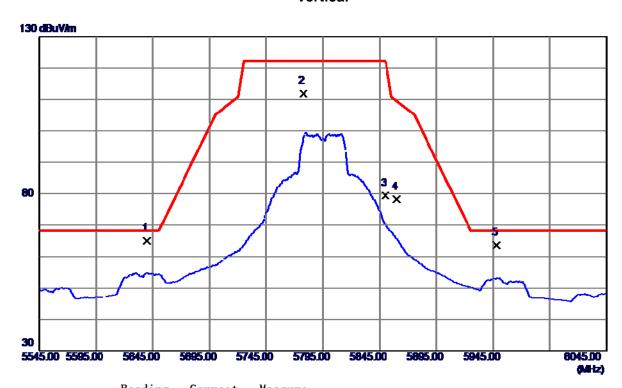
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Orthogonal Axis: X
Test Mode: UNII-3/TX N40 Mode 5795MHz

## **Vertical**



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit   | Margin  |          |         |
|-----|------------|------------------|-------------------|-----------------|---------|---------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m  | dB      | Detector | Comment |
| 1 * | 5640.0000  | 21.63            | 43. 30            | 64.93           | 68.20   | -3. 27  | Peak     |         |
| 2   | 5777. 5000 | 68. 12           | 43.72             | 111.84          | 122. 20 | -10.36  | Peak     |         |
| 3   | 5850.0000  | 35. 55           | 43.94             | 79. 49          | 122. 20 | -42.71  | Peak     |         |
| 4   | 5860. 0000 | 34. 25           | 43.97             | 78. 22          | 109.40  | -31. 18 | Peak     |         |
| 5   | 5948. 0000 | 19. 29           | 44. 23            | 63. 52          | 68. 20  | -4. 68  | Peak     |         |
|     |            |                  |                   |                 |         |         |          |         |

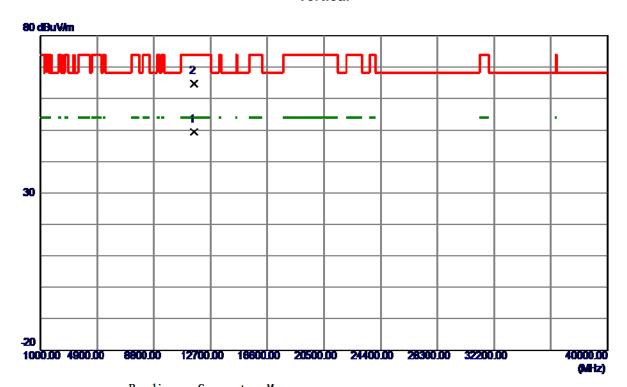
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Orthogonal Axis: X
Test Mode: UNII-3/TX N40 Mode 5795MHz

### **Vertical**



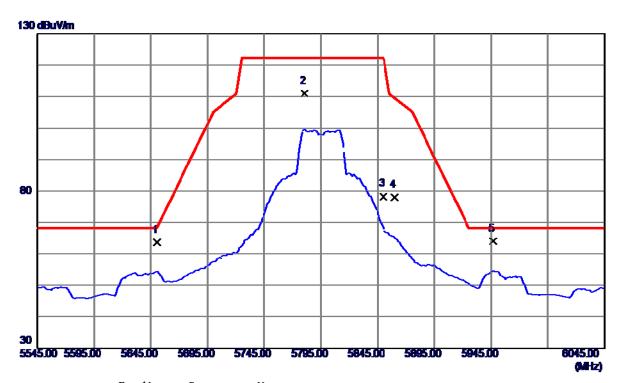
| No. | Freq.       | Level  | Factor | measure | Limit        | Margin |          |         |
|-----|-------------|--------|--------|---------|--------------|--------|----------|---------|
|     | MHz         | dBuV/m | dB     | dBuV/m  | dBuV/m       | dB     | Detector | Comment |
| 1 * | 11587. 1400 | 31. 50 | 17.83  | 49. 33  | <b>54.00</b> | -4.67  | AVG      |         |
| 2   | 11589. 7300 | 47.01  | 17.83  | 64.84   | 74.00        | -9. 16 | Peak     |         |

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| Orthogonal Axis: | X                          |
|------------------|----------------------------|
| Test Mode:       | UNII-3/TX N40 Mode 5795MHz |



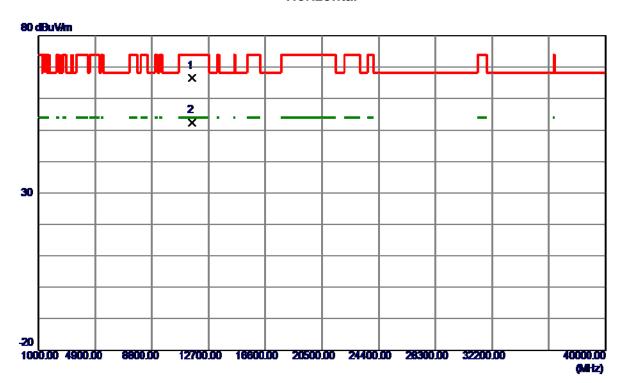
| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit   | Margin  |          |         |
|-----|------------|------------------|-------------------|-----------------|---------|---------|----------|---------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m  | dB      | Detector | Comment |
| 1   | 5650. 5000 | 20. 27           | 43. 33            | 63. 60          | 68.57   | -4.97   | Peak     |         |
| 2   | 5780. 5000 | 67. 26           | 43.73             | 110. 99         | 122. 20 | -11. 21 | Peak     |         |
| 3   | 5850. 0000 | 34. 36           | 43. 94            | 78. 30          | 122. 20 | -43. 90 | Peak     |         |
| 4   | 5860. 0000 | 33. 98           | 43. 97            | 77. 95          | 109.40  | -31. 45 | Peak     |         |
| 5 * | 5946. 5000 | 19.86            | 44. 23            | 64.09           | 68.20   | -4.11   | Peak     |         |

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| Orthogonal Axis: | X                          |
|------------------|----------------------------|
| Test Mode:       | UNII-3/TX N40 Mode 5795MHz |



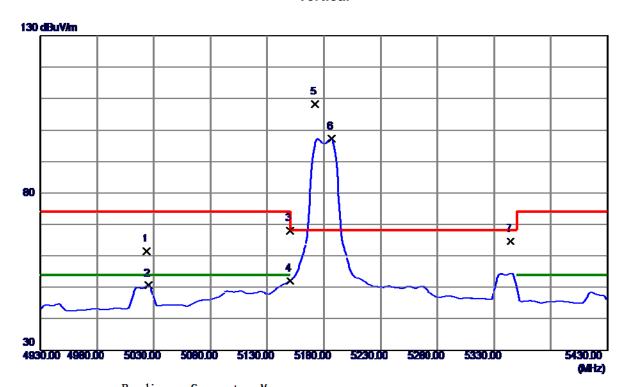
| No. | Freq.       | Level  | Factor | measure<br>ment | Limit  | Margin       |          |         |
|-----|-------------|--------|--------|-----------------|--------|--------------|----------|---------|
|     | MHz         | dBuV/m | dB     | dBuV/m          | dBuV/m | dB           | Detector | Comment |
| 1   | 11591.8000  | 48. 67 | 17.83  | 66. 50          | 74.00  | <b>-7.50</b> | Peak     |         |
| 2 * | 11591. 9000 | 34. 50 | 17. 83 | 52. 33          | 54.00  | -1.67        | AVG      |         |
|     |             |        |        |                 |        |              |          |         |

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| Orthogonal Axis: | X                            |
|------------------|------------------------------|
| Test Mode:       | UNII-1/ TX AC20 Mode 5180MHz |



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | measure<br>ment | Limit   | Margin  |          |          |
|-----|------------|------------------|-------------------|-----------------|---------|---------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m  | dB      | Detector | Comment  |
| 1   | 5023. 9000 | 20. 93           | 40.46             | 61. 39          | 74.00   | -12.61  | Peak     |          |
| 2   | 5025. 5000 | 10.03            | 40. 47            | 50. 50          | 54.00   | -3.50   | AVG      |          |
| 3   | 5150. 0000 | 26. 92           | 41.10             | 68. 02          | 74.00   | -5. 98  | Peak     |          |
| 4   | 5150.0000  | 10.93            | 41.10             | 52. 03          | 54.00   | -1.97   | AVG      |          |
| 5 * | 5172.0000  | 66. 93           | 41.21             | 108. 14         | 68.30   | 39.84   | Peak     | No Limit |
| 6   | 5186. 5000 | 55. 92           | 41. 29            | 97. 21          | 999. 00 | -901.79 | AVG      | No Limit |
| 7   | 5344. 5000 | 22. 58           | 42.09             | 64.67           | 68.30   | -3.63   | Peak     |          |
|     |            |                  |                   |                 |         |         |          |          |

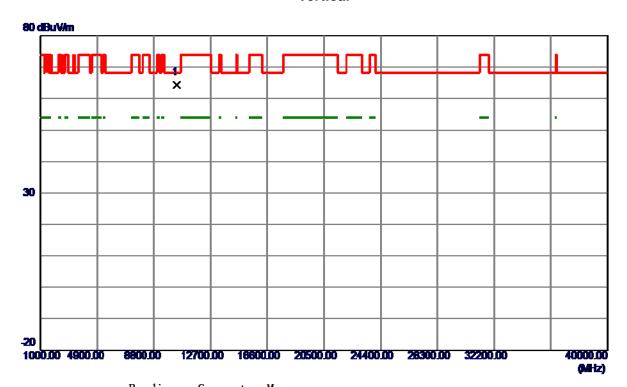
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Orthogonal Axis: X
Test Mode: UNII-1/ TX AC20 Mode 5180MHz

### **Vertical**



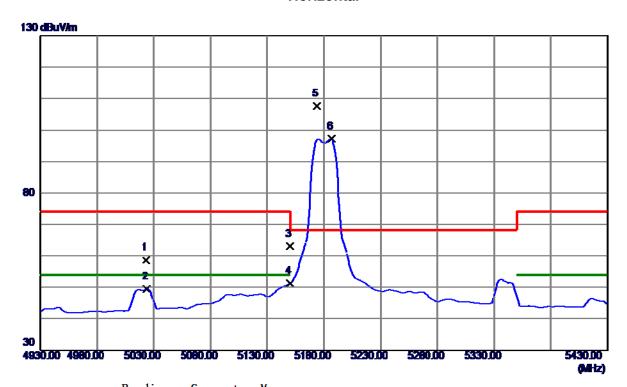
| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10357. 3550 | 48. 15           | 16. 32            | 64. 47          | 68. 30 | -3.83  | Peak     |         |

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| Orthogonal Axis: | X                            |
|------------------|------------------------------|
| Test Mode:       | UNII-1/ TX AC20 Mode 5180MHz |



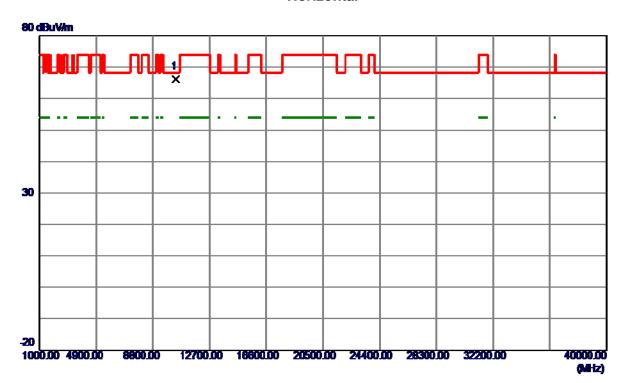
| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin  |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB      | Detector | Comment  |
| 1   | 5023. 5000 | 18. 16           | 40.46             | 58. 62          | 74.00  | -15. 38 | Peak     |          |
| 2   | 5024.0000  | 8. 90            | 40.46             | 49. 36          | 54.00  | -4.64   | AVG      |          |
| 3   | 5150. 0000 | 21.86            | 41.10             | 62. 96          | 74.00  | -11.04  | Peak     |          |
| 4   | 5150.0000  | 10.11            | 41.10             | 51. 21          | 54.00  | -2.79   | AVG      |          |
| 5 * | 5174.0000  | 66. 29           | 41. 22            | 107. 51         | 68.30  | 39. 21  | Peak     | No Limit |
| 6   | 5186. 5000 | 55. 92           | 41. 29            | 97. 21          | 999.00 | -901.79 | AVG      | No Limit |

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| Orthogonal Axis: | X                            |
|------------------|------------------------------|
| Test Mode:       | UNII-1/ TX AC20 Mode 5180MHz |



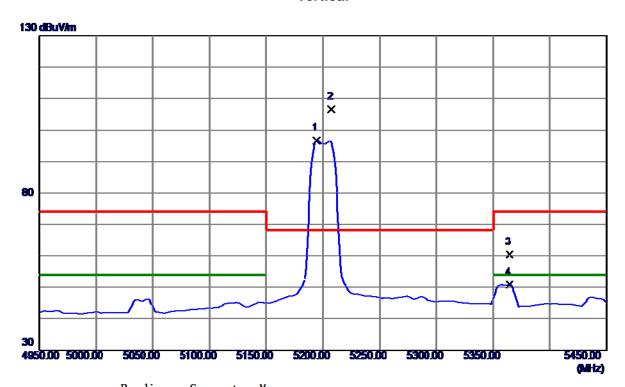
| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10361. 4000 | 49. 96           | 16. 33            | 66. 29          | 68. 30 | -2.01  | Peak     |         |

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| Orthogonal Axis: | X                            |
|------------------|------------------------------|
| Test Mode:       | UNII-1/ TX AC20 Mode 5200MHz |



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin   |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|----------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB       | Detector | Comment  |
| 1   | 5194. 5000 | 55. 37           | 41.33             | 96. 70          | 999.00 | -902. 30 | AVG      | No Limit |
| 2 * | 5207. 5000 | 65. 29           | 41.39             | 106.68          | 68.30  | 38. 38   | Peak     | No Limit |
| 3   | 5364. 5000 | 18. 20           | 42. 19            | 60. 39          | 74.00  | -13.61   | Peak     |          |
| 4   | 5364. 5000 | 8. 67            | 42. 19            | 50.86           | 54.00  | -3. 14   | AVG      |          |
|     |            |                  |                   |                 |        |          |          |          |

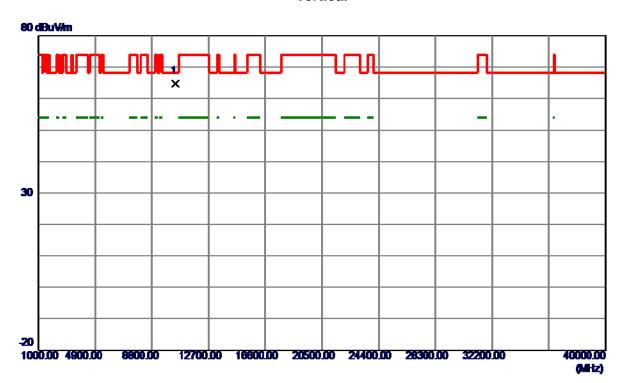
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Orthogonal Axis: X
Test Mode: UNII-1/ TX AC20 Mode 5200MHz

### **Vertical**



| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10397. 1560 | 48. 35           | 16. 43            | 64. 78          | 68. 30 | -3. 52 | Peak     |         |

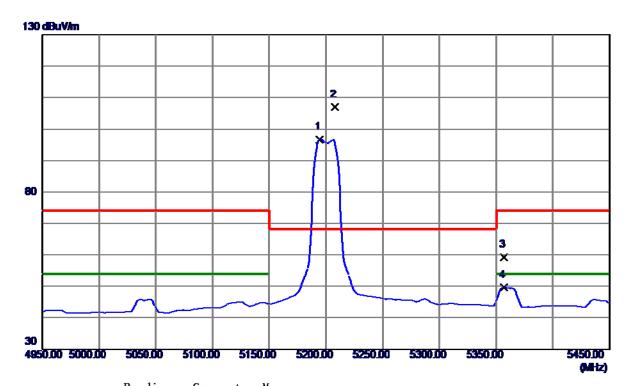
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Orthogonal Axis: X
Test Mode: UNII-1/ TX AC20 Mode 5200MHz

### Horizontal



| No. | Freq.      | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin   |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|----------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB       | Detector | Comment  |
| 1   | 5194. 5000 | 55. 37           | 41. 33            | 96. 70          | 999.00 | -902. 30 | AVG      | No Limit |
| 2 * | 5208.0000  | 65. 66           | 41.40             | 107.06          | 68.30  | 38. 76   | Peak     | No Limit |
| 3   | 5356. 5000 | 17. 12           | 42. 15            | 59. 27          | 74.00  | -14.73   | Peak     |          |
| 4   | 5356. 5000 | 7. 51            | 42. 15            | 49. 66          | 54.00  | -4.34    | AVG      |          |
|     |            |                  |                   |                 |        |          |          |          |

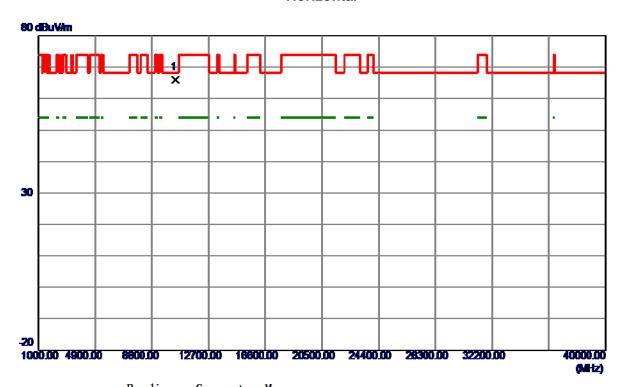
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Orthogonal Axis: X
Test Mode: UNII-1/ TX AC20 Mode 5200MHz

### Horizontal



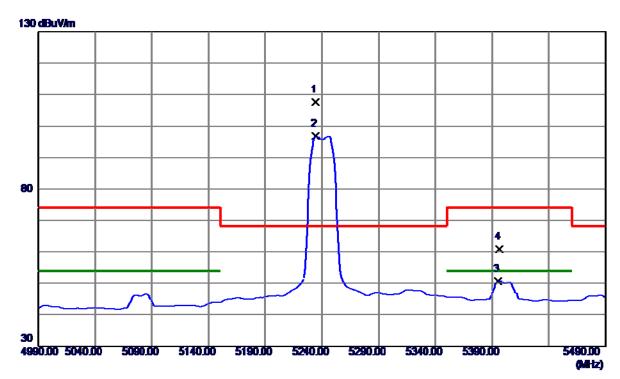
| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10394. 1000 | 49. 50           | 16. 42            | 65. 92          | 68. 30 | -2. 38 | Peak     |         |

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| Orthogonal Axis: | X                            |
|------------------|------------------------------|
| Test Mode:       | UNII-1/ TX AC20 Mode 5240MHz |



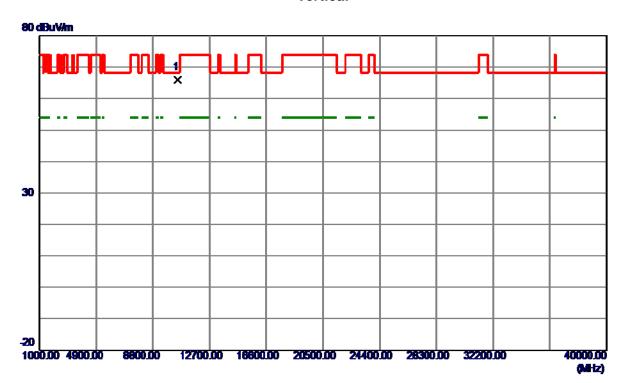
| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin   |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|----------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB       | Detector | Comment  |
| 1 * | 5234. 5000 | 66. 16           | 41.53             | 107.69          | 68.30  | 39. 39   | Peak     | No Limit |
| 2   | 5234. 5000 | 55. 18           | 41.53             | 96.71           | 999.00 | -902. 29 | AVG      | No Limit |
| 3   | 5395. 0000 | 8. 23            | 42.35             | 50. 58          | 54.00  | -3.42    | AVG      |          |
| 4   | 5396. 3000 | 18.42            | 42.35             | 60.77           | 74.00  | -13. 23  | Peak     |          |

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| Orthogonal Axis: | X                            |
|------------------|------------------------------|
| Test Mode:       | UNII-1/ TX AC20 Mode 5240MHz |



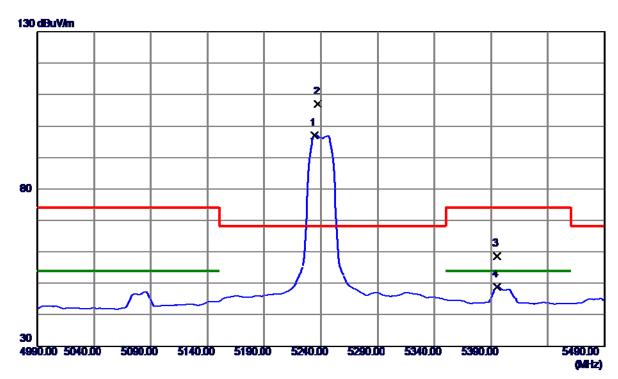
| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10477. 3050 | 49. 33           | 16.64             | 65. 97          | 68. 30 | -2. 33 | Peak     |         |

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| Orthogonal Axis: | X                            |
|------------------|------------------------------|
| Test Mode:       | UNII-1/ TX AC20 Mode 5240MHz |



| No. | Freq.      | Reading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin   |          |          |
|-----|------------|------------------|-------------------|-----------------|--------|----------|----------|----------|
|     | MHz        | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB       | Detector | Comment  |
| 1   | 5234. 5000 | 55. 48           | 41.53             | 97.01           | 999.00 | -901. 99 | AVG      | No Limit |
| 2 * | 5237. 5000 | 65.40            | 41.55             | 106. 95         | 68.30  | 38.65    | Peak     | No Limit |
| 3   | 5395. 0000 | 16. 34           | 42.35             | 58. 69          | 74.00  | -15. 31  | Peak     |          |
| 4   | 5395. 0000 | 6. 43            | 42.35             | 48. 78          | 54.00  | -5. 22   | AVG      |          |

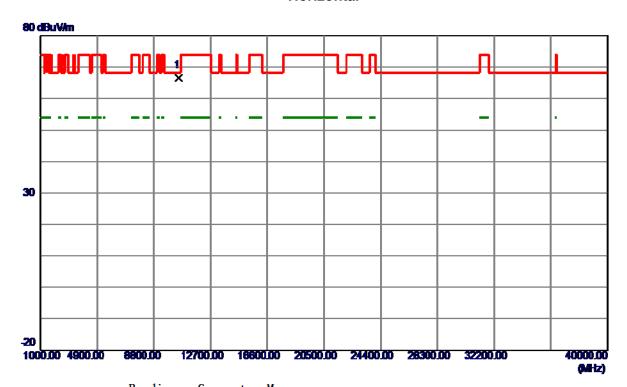
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Orthogonal Axis: X
Test Mode: UNII-1/ TX AC20 Mode 5240MHz

### Horizontal



| No. | Freq.       | Keading<br>Level | Correct<br>Factor | Measure<br>ment | Limit  | Margin |          |         |
|-----|-------------|------------------|-------------------|-----------------|--------|--------|----------|---------|
|     | MHz         | dBuV/m           | dB                | dBuV/m          | dBuV/m | dB     | Detector | Comment |
| 1 * | 10473. 9000 | 50. 01           | 16.64             | 66. 65          | 68. 30 | -1.65  | Peak     |         |

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