

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



Applicant: MediaTek Inc.
No. 1, Dusing 1st Rd., Hsinchu Science Park Hsinchu City
30078, Taiwan

Product Name: 2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card

Brand Name: MediaTek

Model No.: MT7922A22M

Model Difference: N/A

Report Number: TERF2204000208E2

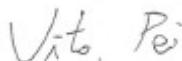
FCC ID RAS-MT7922A22M

IC: 7542A-MT7922A22M

Date of EUT Received: Apr. 12, 2022

Date of Test: Apr. 13, 2022~May 23, 2022

Issue Date: May 30, 2022



Approved By _____

Vito Pei

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.407, ISED RSS-248.

The results of this report relate only to the sample identified in this report.

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Revision History

| Report Number | Revision | Description | Issue Date | Revised By | Remark |
|------------------|----------|-------------|--------------|------------|--------|
| TERF2204000208E2 | 00 | Original. | May 30, 2022 | Yami Kuo | |
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Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.
- 2、Variant information of model numbers is provided by the applicant, test results of this report are applicable to the sample EUT(s) received and are assessed as electrically identical in RF characteristics, therefore, no further assessment required for the variant(s).

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1 GENERAL INFORMATION

1.1 Product Description

| | |
|------------------------|---|
| Product Name: | Notebook Computer |
| Brand Name: |  |
| Model No. of FCC Host: | N22Q14 |
| Model No. of IC Host: | TMP414-41, TMP414RN-41, TMP414P-41, TMP414A-41, TMP414RNA-41 |
| Model Difference: | For marketing purpose |
| Power Supply: | 15.4Vdc from Rechargeable Li-ion Battery or 19Vdc from AC/DC Adapter |

1.2 Modulation & Data Rate

| | |
|------------------|---------------------------------------|
| Modulation type: | 64QAM, 16QAM, QPSK, BPSK for OFDM |
| | 256QAM for OFDM in 802.11ac |
| | 256QAM ,1024QAM for OFDMA in 802.11ax |
| Transition Rate: | 802.11 a: 6 - 54 Mbps |
| | 802.11 n_20MHz: up to 144.4 Mbps |
| | 802.11 n_40MHz: up to 300 Mbps |
| | 802.11 ac_20MHz: up to 173.4 Mbps |
| | 802.11 ac_40MHz: up to 400 Mbps |
| | 802.11 ac_80MHz: up to 866.6 Mbps |
| | 802.11 ac_160MHz: up to 1733.4 Mbps |
| | 802.11 ax_20MHz: up to 286.8 Mbps |
| | 802.11 ax_40MHz: up to 573.6 Mbps |
| | 802.11 ax_80MHz: up to 1201 Mbps |
| | 802.11 ax_160MHz: up to 2402 Mbps |

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1.3 Antenna Designation

| Antenna Type | Supplier | NB / TB mode | Main / Aux | Antenna Part No. | Freq. (MHz) | Peak Antenna Gain (dBi) | Direction Gain (dBi) | |
|--------------|----------|--------------|------------|------------------|-------------|-------------------------|----------------------|--|
| PIFA | WNC | NB | Main | 81EABS15.G80 | 5925~6425 | 2.61 | 5.90 | |
| | | | | | 6425~6525 | 1.29 | 3.67 | |
| | | | | | 6525~6875 | 1.49 | 4.40 | |
| | | | | | 6875~7125 | 3.19 | 5.16 | |
| | | | Aux | | 5925~6425 | 3.17 | 5.90 | |
| | | | | | 6425~6525 | -0.01 | 3.67 | |
| | | | | | 6525~6875 | 1.28 | 4.40 | |
| | | | | | 6875~7125 | 0.96 | 5.16 | |
| | | TB | Main | | 5925~6425 | 2.63 | 5.55 | |
| | | | | | 6425~6525 | 1.74 | 4.10 | |
| | | | | | 6525~6875 | 1.85 | 4.16 | |
| | | | | | 6875~7125 | 2.26 | 4.33 | |
| | | | Aux | | 5925~6425 | 2.44 | 5.55 | |
| | | | | | 6425~6525 | 0.38 | 4.10 | |
| | | | | | 6525~6875 | 0.38 | 4.16 | |
| | | | | | 6875~7125 | 0.26 | 4.33 | |

Note:

1. Pre-scanned was done on the above antennas, measurements were demonstrated by using the antenna with the highest gain as the worst case scenarios.
2. Antenna information is provided by the applicant.

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1.4 Rated Power

NB

WLAN 6E

| Wi-Fi | Frequency Range | Channels | Rated Power(Avg) (dBm) (Worst Case) |
|------------|-----------------|----------|-------------------------------------|
| a 20MHz | 5955~6415 | 24 | 9.56 dBm |
| | 6435~6515 | 5 | 7.92 dBm |
| | 6535~6875 | 18 | 8.24 dBm |
| | 6895~7115 | 12 | 9.22 dBm |

WLAN 6E

| Wi-Fi | Frequency Range | Channels | Rated Power(Avg) (dBm) (Worst Case) |
|--------------|-----------------|----------|-------------------------------------|
| ax_HE 20MHz | 5955~6415 | 24 | 10.28 dBm |
| | 6435~6515 | 5 | 7.49 dBm |
| | 6535~6875 | 18 | 8.53 dBm |
| | 6895~7115 | 12 | 9.79 dBm |
| ax_HE 40MHz | 5965~6405 | 12 | 12.57 dBm |
| | 6445~6525 | 3 | 10.72 dBm |
| | 6565~6845 | 8 | 10.78 dBm |
| | 6885~7085 | 6 | 12.35 dBm |
| ax_HE 80MHz | 5985~6385 | 6 | 15.39 dBm |
| | 6465 | 1 | 13.43 dBm |
| | 6545~6865 | 5 | 14.62 dBm |
| | 6945~7025 | 2 | 15.28 dBm |
| ax_HE 160MHz | 6025~6345 | 3 | 18.32 dBm |
| | 6665~6825 | 2 | 16.80 dBm |
| | 6985 | 1 | 18.03 dBm |

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TB

WLAN 6E

| Wi-Fi | Frequency Range | Channels | Rated Power(Avg) (dBm) (Worst Case) |
|------------|-----------------|----------|--|
| a 20MHz | 5955~6415 | 24 | 9.21 dBm |
| | 6435~6515 | 5 | 8.35 dBm |
| | 6535~6875 | 18 | 8.00 dBm |
| | 6895~7115 | 12 | 8.39 dBm |

WLAN 6E

| Wi-Fi | Frequency Range | Channels | Rated Power(Avg) (dBm) (Worst Case) |
|--------------|-----------------|----------|--|
| ax_HE 20MHz | 5955~6415 | 24 | 9.93 dBm |
| | 6435~6515 | 5 | 7.92 dBm |
| | 6535~6875 | 18 | 8.29 dBm |
| | 6895~7115 | 12 | 8.96 dBm |
| ax_HE 40MHz | 5965~6405 | 12 | 12.22 dBm |
| | 6445~6525 | 3 | 11.15 dBm |
| | 6565~6845 | 8 | 10.54 dBm |
| | 6885~7085 | 6 | 11.52 dBm |
| ax_HE 80MHz | 5985~6385 | 6 | 15.04 dBm |
| | 6465 | 1 | 13.86 dBm |
| | 6545~6865 | 5 | 14.38 dBm |
| | 6945~7025 | 2 | 14.45 dBm |
| ax_HE 160MHz | 6025~6345 | 3 | 17.97 dBm |
| | 6665~6825 | 2 | 16.56 dBm |
| | 6985 | 1 | 17.20 dBm |

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1.5 Test Methodology of Applied Standards

FCC Part 15, Subpart E §15.407

RSS-248, issue 1 Nov, 2021

FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01r01

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10:2013

1.6 Test Facility

| Laboratory | Test Site Address | Test Site Name | FCC Designation number | IC CAB identifier |
|---|---|--|------------------------|-------------------|
| SGS Taiwan Ltd. Central RF Lab. (TAF code 3702) | No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan. | SAC 1 SAC 3 Conduction 1 Conducted 1 Conducted 2 Conducted 3 Conducted 4 Conducted 5 Conducted 6 | TW0027 | |
| | No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333 | Conduction C SAC C SAC D SAC G Conducted A Conducted B Conducted C Conducted D Conducted E Conducted F Conducted G | TW3702 TW0028 | |

Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.

1.7 Special Accessories

There are no special accessories used while test was conducted.

1.8 Equipment Modifications

There was no modification incorporated into the EUT.

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2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is placed on a table which is 0.8 m above ground plane. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz. The CISPR Quasi-Peak and Average detector mode is employed. The two LISNs provide 50uH/50 ohm of coupling impedance for the measuring instrument. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

2.3.2 Conducted Test (RF)

The active antenna port of the unlicensed wireless device is connected to the spectrum analyzer with attenuator to protect the instrumentation. If a second antenna port is available, it is tested at one operating frequency, with other port(s) appropriately terminated, to verify it has similar output characteristics as the fully tested port.

2.3.3 Radiated Emissions

The EUT is placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

2.3.4 CBP Test

The active antenna port of the unlicensed wireless device is connected to the spectrum analyzer and signal generator and companion device to perform the test.

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2.4 Measurement Results Explanation Example

2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

2.4.2 For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

2.5 Test Configuration

| Conducted Setup | Radiated Setup |
|--|--|
|  |  |

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3 SUMMARY OF TEST RESULT

| FCC Rules | ISED Rules | Description Of Test | Result |
|---|--------------|--------------------------------|-----------|
| §15.407(a)(4~8) | RSS-248 §4.6 | Maximum Conducted Output Power | Compliant |
| §15.205 §15.209 §15.407(b)(5),(b)(8), (b)(9) | RSS-248 §4.7 | Undesirable Radiated Emissions | Compliant |

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4 DESCRIPTION OF TEST MODES

4.1 Operating Frequencies

| UNII-5 5925~6425 MHz | | | | UNII-6 6425~6525 MHz | | | | | | | | | | | |
|----------------------|-------------|-------|-------------|----------------------|-------------|--------|-------------|-------|-------------|-------|-------------|-------|-------------|--------|-------------|
| 20MHz | | 40MHz | | 80MHz | | 160MHz | | 20MHz | | 40MHz | | 80MHz | | 160MHz | |
| CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) |
| 1 | 5955 | 49 | 6195 | 3 | 5965 | 7 | 5985 | 15 | 6025 | 97 | 6435 | 99 | 6445 | 103 | 6465 |
| 5 | 5975 | 53 | 6215 | 11 | 6005 | 23 | 6065 | 47 | 6185 | 101 | 6455 | 107 | 6485 | 111 | 6505 |
| 9 | 5995 | 57 | 6235 | 19 | 6045 | 39 | 6145 | 79 | 6345 | 105 | 6475 | 109 | 6495 | 115 | 6525 |
| 13 | 6015 | 61 | 6255 | 27 | 6085 | 55 | 6225 | 71 | 6305 | 113 | 6515 | | | | |
| 17 | 6035 | 65 | 6275 | 35 | 6125 | 43 | 6165 | 87 | 6385 | | | | | | |
| 21 | 6055 | 69 | 6295 | 51 | 6205 | | | | | | | | | | |
| 25 | 6075 | 73 | 6315 | 59 | 6245 | | | | | | | | | | |
| 29 | 6095 | 77 | 6335 | 67 | 6285 | | | | | | | | | | |
| 33 | 6115 | 81 | 6355 | 75 | 6325 | | | | | | | | | | |
| 37 | 6135 | 85 | 6375 | 83 | 6365 | | | | | | | | | | |
| 41 | 6155 | 89 | 6395 | 91 | 6405 | | | | | | | | | | |

| UNII-7 6525~6875 MHz | | | | UNII-8 6875~7125 MHz | | | | | | | | | | | |
|----------------------|-------------|-------|-------------|----------------------|-------------|--------|-------------|-------|-------------|-------|-------------|-------|-------------|--------|-------------|
| 20MHz | | 40MHz | | 80MHz | | 160MHz | | 20MHz | | 40MHz | | 80MHz | | 160MHz | |
| CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) | CH | Freq. (MHz) |
| 117 | 6535 | 153 | 6715 | 123 | 6565 | 119 | 6545 | 143 | 6665 | 189 | 6895 | 187 | 6885 | 199 | 6945 |
| 121 | 6555 | 157 | 6735 | 131 | 6605 | 135 | 6625 | 175 | 6825 | 193 | 6915 | 195 | 6925 | 203 | 6965 |
| 125 | 6575 | 161 | 6755 | 139 | 6645 | 151 | 6705 | 167 | 6785 | 197 | 6935 | 201 | 6955 | 211 | 7005 |
| 129 | 6595 | 165 | 6775 | 147 | 6685 | 155 | 6725 | 183 | 6865 | 205 | 6975 | 209 | 6995 | 219 | 7045 |
| 133 | 6615 | 169 | 6795 | 163 | 6765 | 171 | 6805 | 179 | 6845 | 213 | 7015 | 217 | 7035 | 221 | 7055 |
| 137 | 6635 | 173 | 6815 | | | | | | | 225 | 7075 | 229 | 7095 | 233 | 7115 |
| 141 | 6655 | 177 | 6835 | | | | | | | | | | | | |
| 145 | 6675 | 181 | 6855 | | | | | | | | | | | | |
| 149 | 6695 | 185 | 6875 | | | | | | | | | | | | |

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4.2 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Test program used to control the EUT for staying in continuous transmitting mode is programmed.
3. Investigation has been done on all the possible configurations for searching the worst case.

The given UE is pre-scanned among below modes.

| Modulation | Transmission Chain | | | | | Single Transmission Spatial | Multiple Transmission Spatial |
|---|---|------------------------------|------------------------------|------------------------------|-------------------------------|--|-------------------------------|
| | <input checked="" type="checkbox"/> Ch0 | <input type="checkbox"/> Ch1 | <input type="checkbox"/> Ch2 | <input type="checkbox"/> Ch3 | <input type="checkbox"/> 1TX | | |
| <input checked="" type="checkbox"/> 802.11 a | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> 2TX | | |
| <input type="checkbox"/> 802.11 n | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> SISO | <input type="checkbox"/> MIMO | |
| <input type="checkbox"/> 802.11 ac | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> SISO | <input type="checkbox"/> MIMO | |
| <input checked="" type="checkbox"/> 802.11 ax | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> SISO | <input checked="" type="checkbox"/> MIMO | |

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4. Observations have been done for 802.11 ax available RU configurations below and found that the lowest, highest and Full RU results higher emissions.
Only one RU can be enabled at any given time.

| 802.11ax | 20MHz | | | | 802.11ax | 40MHz | | | | |
|-------------------------------|------------|------------------|-------------|-------------------|-------------------------------|------------|--------------|-------------|--------------------|--|
| RU type | 26-tone RU | | 52-tone RU | | RU type | 26-tone RU | | 52-tone RU | | |
| RU index and subcarrier range | RU0 | [-121: -96] | RU37 | [-121: -70] | RU index and subcarrier range | RU0 | [-243: -218] | RU37 | [-243: -192] | |
| | RU1 | [-95: -70] | RU38 | [-68: -17] | | RU1 | [-217: -192] | RU38 | [-189: -138] | |
| | RU2 | [-68: -43] | RU39 | [17: 68] | | RU2 | [-189: -164] | RU39 | [-109: -58] | |
| | RU3 | [-42: -17] | RU40 | [70: 121] | | RU3 | [-163: -138] | RU40 | [-55: -4] | |
| | RU4 | [-16: -4, 4: 16] | RU41 | N/A | | RU4 | [-136: -111] | RU41 | [4: 55] | |
| | RU5 | [17: 42] | RU42 | N/A | | RU5 | [-109: -84] | RU42 | [58: 109] | |
| | RU6 | [43: 68] | RU43 | N/A | | RU6 | [-83: -58] | RU43 | [138: 189] | |
| | RU7 | [70: 95] | RU44 | N/A | | RU7 | [-55: -30] | RU44 | [192: 243] | |
| | RU8 | [96: 121] | RU45 | N/A | | RU8 | [-29: -4] | RU45 | N/A | |
| | RU9 | N/A | RU46 | N/A | | RU9 | [4: 29] | RU46 | N/A | |
| | RU10 | N/A | RU47 | N/A | | RU10 | [30: 55] | RU47 | N/A | |
| | RU11 | N/A | RU48 | N/A | | RU11 | [58: 83] | RU48 | N/A | |
| | RU12 | N/A | RU49 | N/A | | RU12 | [84: 109] | RU49 | N/A | |
| | RU13 | N/A | RU50 | N/A | | RU13 | [111: 136] | RU50 | N/A | |
| | RU14 | N/A | RU51 | N/A | | RU14 | [138: 163] | RU51 | N/A | |
| | RU15 | N/A | RU52 | N/A | | RU15 | [164: 189] | RU52 | N/A | |
| | RU16 | N/A | | | | RU16 | [192: 217] | | | |
| | RU17 | N/A | 106-tone RU | | | RU17 | [218: 243] | 106-tone RU | | |
| | RU18 | N/A | RU53 | [-122: -17] | | RU18 | N/A | RU53 | [-243: -138] | |
| | RU19 | N/A | RU54 | [17: 122] | | RU19 | N/A | RU54 | [-109: -4] | |
| | RU20 | N/A | RU55 | N/A | | RU20 | N/A | RU55 | [4: 109] | |
| | RU21 | N/A | RU56 | N/A | | RU21 | N/A | RU56 | [138: 243] | |
| | RU22 | N/A | RU57 | N/A | | RU22 | N/A | RU57 | N/A | |
| | RU23 | N/A | RU58 | N/A | | RU23 | N/A | RU58 | N/A | |
| | RU24 | N/A | RU59 | N/A | | RU24 | N/A | RU59 | N/A | |
| | RU25 | N/A | RU60 | N/A | | RU25 | N/A | RU60 | N/A | |
| | RU26 | N/A | | | | RU26 | N/A | | | |
| | RU27 | N/A | 242-tone RU | | | RU27 | N/A | 242-tone RU | | |
| | RU28 | N/A | RU61 | [-122: -2, 2:122] | | RU28 | N/A | RU61 | [-244: -3] | |
| | RU29 | N/A | RU62 | N/A | | RU29 | N/A | RU62 | [3: 244] | |
| | RU30 | N/A | RU63 | N/A | | RU30 | N/A | RU63 | N/A | |
| | RU31 | N/A | RU64 | N/A | | RU31 | N/A | RU64 | N/A | |
| | RU32 | N/A | | | | RU32 | N/A | | | |
| | RU33 | N/A | | | | RU33 | N/A | 484-tone RU | | |
| | RU34 | N/A | | | | RU34 | N/A | RU65 | [-244: -3, 3: 244] | |
| | RU35 | N/A | | | | RU35 | N/A | RU66 | N/A | |
| | RU36 | N/A | | | | RU36 | N/A | | | |

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| 802.11ax | | 80MHz | | |
|-------------------------------|------------|----------------|-------------|-------------------|
| RU type | 26-tone RU | 52-tone RU | | |
| RU index and subcarrier range | RU0 | [499: -474] | RU37 | [499: -448] |
| | RU1 | [473: -448] | RU38 | [445: -394] |
| | RU2 | [445: -420] | RU39 | [365: -314] |
| | RU3 | [419: -394] | RU40 | [311: -260] |
| | RU4 | [392: -367] | RU41 | [257: -206] |
| | RU5 | [365: -340] | RU42 | [203: -152] |
| | RU6 | [339: -314] | RU43 | [123: -72] |
| | RU7 | [311: -286] | RU44 | [69: -18] |
| | RU8 | [285: -260] | RU45 | [18: 69] |
| | RU9 | [257: -232] | RU46 | [72: 123] |
| | RU10 | [231: -206] | RU47 | [152: 203] |
| | RU11 | [203: -178] | RU48 | [206: 257] |
| | RU12 | [177: -152] | RU49 | [260: 311] |
| | RU13 | [150: -125] | RU50 | [314: 365] |
| | RU14 | [123: -98] | RU51 | [394: 445] |
| | RU15 | [97: -72] | RU52 | [448: 499] |
| | RU16 | [69: -44] | 106-tone RU | |
| | RU17 | [43: -18] | RU53 | [499: -394] |
| | RU18 | [16: 4, 4: 16] | RU54 | [365: -260] |
| | RU19 | [18: 43] | RU55 | [257: -152] |
| | RU20 | [44: 69] | RU56 | [123: -18] |
| | RU21 | [72: 97] | RU57 | [18: 123] |
| | RU22 | [98: 123] | RU58 | [152: 257] |
| | RU23 | [125: 150] | RU59 | [260: 365] |
| | RU24 | [152: 177] | RU60 | [394: 499] |
| | RU25 | [178: 203] | 242-tone RU | |
| | RU26 | [206: 231] | RU61 | [500: -259] |
| | RU27 | [232: 257] | RU62 | [258: -17] |
| | RU28 | [260: 285] | RU63 | [17: 258] |
| | RU29 | [286: 311] | RU64 | [259: 500] |
| | RU30 | [314: 339] | 484-tone RU | |
| | RU31 | [340: 365] | RU65 | [500: -17] |
| | RU32 | [367: 392] | RU66 | [17: 500] |
| | RU33 | [394: 419] | 996-tone RU | |
| | RU34 | [420: 445] | RU67 | [500: -3, 3: 500] |
| | RU35 | [448: 473] | | |
| | RU36 | [474: 499] | | |

5. Therefore, below summary is the modes of test configuration that yield the highest reading and generate the highest emission chosen to carry out the relevantly mandatory test items.

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| RADIATED EMISSION TEST (BELOW 1 GHz) | | | | | | |
|--------------------------------------|----------------------|-------------------|----------------|------------|------------------|--------------|
| MODE | FREQUENCY BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11a | 5955~6415 | 1 to 93 | 45 | OFDM | 6 | 2TX |
| | 6435~6515 | 97 to 113 | 105 | | | |
| | 6535~6875 | 117 to 185 | 181 | | | |
| | 6895~7115 | 189 to 233 | 213 | | | |

| RADIATED EMISSION TEST (ABOVE 1 GHz) | | | | | | |
|--------------------------------------|----------------------|-------------------|-----------------|------------|------------------|--------------|
| MODE | FREQUENCY BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11a | 5955~6415 | 1 to 93 | 1,45,93 | OFDM | 6 | 2TX |
| | 6435~6515 | 97 to 113 | 97,105,113 | | | |
| | 6535~6875 | 117 to 185 | 117,149,181,185 | | | |
| | 6895~7115 | 189 to 233 | 189,213,233 | | | |

| RADIATED EMISSION TEST (ABOVE 1 GHz) | | | | | | | |
|--------------------------------------|----------------------|-------------------|-----------------|------------|--|------------------|--------------|
| MODE | FREQUENCY BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | RU CONFIGURATI | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11ax_HE20 | 5955~6415 | 1 to 93 | 1,45,93 | OFDMA | FULL RU 26/0,26/8 52/40 106/53,106/54 | MCS0 | MIMO |
| | 6435~6515 | 97 to 113 | 97,105,113 | | | | |
| | 6535~6875 | 117 to 185 | 117,149,181,185 | | | | |
| | 6895~7115 | 189 to 233 | 189,213,233 | | | | |
| 802.11ax_HE40 | 5965~6405 | 3 to 91 | 3,43,91 | OFDMA | FULL RU | MCS0 | MIMO |
| | 6445~6525 | 99 to 115 | 99,107,115 | | | | |
| | 6565~6845 | 123 to 179 | 123,155,179 | | | | |
| | 6885~7085 | 187 to 227 | 187,195,211,227 | | | | |
| 802.11ax_HE80 | 5985~6385 | 7 to 87 | 7,39,87 | OFDMA | FULL RU | MCS0 | MIMO |
| | 6465 | 103 | 103 | | | | |
| | 6545~6865 | 119 to 183 | 103 | | | | |
| | 6945~7025 | 199 to 215 | 199,215 | | | | |
| 802.11ax_HE160 | 6025~6345 | 15 to 79 | 15,47,79 | OFDMA | FULL RU | MCS0 | MIMO |
| | 6505 | 111 | 111 | | | | |
| | 6665~6825 | 143 to 175 | 143,175 | | | | |
| | 6985 | 207 | 207 | | | | |

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| CONDUCTED TEST | | | | | | |
|----------------|----------------------|-------------------|-----------------|------------|------------------|--------------|
| MODE | FREQUENCY BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11a | 5955~6415 | 1 to 93 | 1,45,93 | OFDM | 6 | 2TX |
| | 6435~6515 | 97 to 113 | 97,105,113 | | | |
| | 6535~6875 | 117 to 185 | 117,149,181,185 | | | |
| | 6895~7115 | 189 to 233 | 189,213,233 | | | |

| CONDUCTED TEST | | | | | | | |
|----------------|----------------------|-------------------|-----------------|------------|--|------------------|--------------|
| MODE | FREQUENCY BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | RU CONFIGURATI | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11ax_HE20 | 5955~6415 | 1 to 93 | 1,45,93 | OFDMA | FULL RU 26/0,26/8 52/40 106/53,106/54 | MCS0 | MIMO |
| | 6435~6515 | 97 to 113 | 97,105,113 | | | | |
| | 6535~6875 | 117 to 185 | 117,149,181,185 | | | | |
| | 6895~7115 | 189 to 233 | 189,213,233 | | | | |
| 802.11ax_HE40 | 5965~6405 | 3 to 91 | 3,43,91 | OFDMA | FULL RU | MCS0 | MIMO |
| | 6445~6525 | 99 to 115 | 99,107,115 | | | | |
| | 6565~6845 | 123 to 179 | 123,155,179 | | | | |
| | 6885~7085 | 187 to 227 | 187,195,211,227 | | | | |
| 802.11ax_HE80 | 5985~6385 | 7 to 87 | 7,39,87 | OFDMA | FULL RU | MCS0 | MIMO |
| | 6465 | 103 | 103 | | | | |
| | 6545~6865 | 119 to 183 | 103 | | | | |
| | 6945~7025 | 199 to 215 | 199,215 | | | | |
| 802.11ax_HE160 | 6025~6345 | 15 to 79 | 15,47,79 | OFDMA | FULL RU | MCS0 | MIMO |
| | 6505 | 111 | 111 | | | | |
| | 6665~6825 | 143 to 175 | 143,175 | | | | |
| | 6985 | 207 | 207 | | | | |

Note:

The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

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5 MEASUREMENT UNCERTAINTY

| Test Items | Uncertainty | |
|--|-------------|---------|
| AC Power Line Conducted Emission | +/- | 2.34 dB |
| Output Power measurement | +/- | 1 dB |
| Emission Bandwidth | +/- | 1.53 Hz |
| Undesignable radiated emission measurement | +/- | 1.68 dB |
| Peak Power Density | +/- | 1.62 dB |
| Temperature | +/- | 0.4 °C |
| Humidity | +/- | 3.5 % |
| DC / AC Power Source | +/- | 1 % |

| Radiated Spurious Emission Measurement Uncertainty | | | |
|--|-----|---------|-----------------|
| Polarization: Vertical | +/- | 2.64 dB | 9kHz~30MHz |
| | +/- | 4.93 dB | 30MHz - 1000MHz |
| | +/- | 4.81 dB | 1GHz - 18GHz |
| | +/- | 4.52 dB | 18GHz - 40GHz |
| Polarization: Horizontal | +/- | 2.64 dB | 9kHz~30MHz |
| | +/- | 4.45 dB | 30MHz - 1000MHz |
| | +/- | 4.81 dB | 1GHz - 18GHz |
| | +/- | 4.52 dB | 18GHz - 40GHz |

Note:

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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6 MEASUREMENT EQUIPMENT USED

6.1 Conducted Measurement

| Conducted Emission Test Site: Conducted A | | | | | |
|---|------------|---------------|---------------|------------|------------|
| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| Spectrum Analyzer | KEYSIGHT | N9010A | MY57120290 | 04/01/2022 | 03/31/2023 |
| Power Meter | Anritsu | ML2496A | 1512003 | 07/27/2021 | 07/26/2022 |
| Power Sensor | Anritsu | MA2411B | 1339378 | 07/27/2021 | 07/26/2022 |
| Power Sensor | Anritsu | MA2411B | 1339379 | 07/27/2021 | 07/26/2022 |
| Attenuator | Marvelous | MVE2213-10 | RF06 | 11/18/2021 | 11/17/2022 |
| Attenuator | Marvelous | MVE2213-10 | RF12 | 11/18/2021 | 11/17/2022 |
| Attenuator | Marvelous | WATT-218FS-10 | RF22 | 11/18/2021 | 11/17/2022 |
| DC Block | PASTERNACK | PE8210 | RF155 | 11/18/2021 | 11/17/2022 |

6.2 Radiated Measurement

| Radiated Emission Test Site: SAC C | | | | | |
|------------------------------------|-----------------|---------------|--------------------|------------|------------|
| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| Broadband Antenna | SCHWARZBECK | VULB 9168 | 9168-300 | 10/19/2021 | 10/18/2022 |
| Horn Antenna | SCHWARZBECK | BBHA9170 | 185 | 08/06/2021 | 08/05/2022 |
| Horn Antenna | SCHWARZBECK | BBHA9120D | 1187 | 01/06/2022 | 01/05/2023 |
| Loop Antenna | ETS.LINDGREN | 6502 | 143303 | 05/07/2021 | 05/06/2022 |
| EMI Test Receiver | R&S | ESU 40 | 100363 | 04/28/2021 | 04/27/2022 |
| Pre-Amplifier | EMC Instruments | EMC330 | 980096 | 11/18/2021 | 11/17/2022 |
| Pre-Amplifier | EMC Instruments | EMC0011830 | 980199 | 11/18/2021 | 11/17/2022 |
| Pre-Amplifier | EMC Instruments | EMC184045B | 980135 | 10/27/2021 | 10/26/2022 |
| Attenuator | Marvelous | WATT-218FS-10 | RF20 | 11/18/2021 | 11/17/2022 |
| Band Rejection Filter | Micro-Tronics | BRM50701-01 | RF201 | 11/18/2021 | 11/17/2022 |
| Coaxial Cable | Huber Suhner | SUCOFLEX 104 | MY17388/4 | 11/18/2021 | 11/17/2022 |
| Coaxial Cable | Huber Suhner | RG 214/U | W22.03 | 11/18/2021 | 11/17/2022 |
| Test Software | audix | e3 | 20923 sgs Ver.9 | N.C.R | N.C.R |

NOTE: N.C.R refers to Not Calibrated Required.

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7 MAXIMUM OUTPUT POWER

7.1 Standard Applicable

7.1.1 Duty Cycle

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

7.1.2 Output Power

§15.407(a)

- (4) For a standard power access point and fixed client device operating in the 5.925-6.425 GHz and 6.525-6.875 GHz bands, the maximum e.i.r.p. over the frequency band of operation must not exceed 36 dBm.
For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
- (5) For an indoor access point operating in the 5.925-7.125 GHz band, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.
- (6) For a subordinate device operating under the control of an indoor access point in the 5.925-7.125 GHz band, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.
- (7) For client devices, except for fixed client devices as defined in this subpart, operating under the control of a standard power access point in 5.925-6.425 GHz and 6.525-6.875 GHz bands, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm and the device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power.
- (8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

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| EUT CATEGORY | | Equipment Class | §15.407(a) | §RSS 248 4.6 |
|--------------|------------------------------|-----------------|---|--------------|
| | Standard Access Point | 6SD | EIRP < 36dBm and antenna angle above 30 degrees < 21dBm EIRP for outdoor use | EIRP < 30dBm |
| | indoor Access Point | 6ID | EIRP < 30dBm | |
| | Subordinate Device | 6PP | EIRP < 30dBm | |
| | Fixed Client | 6FC | EIRP < 36dBm and antenna angle above 30 degrees < 21dBm EIRP for outdoor use | EIRP < 24dBm |
| V | Indoor Client | 6XD | EIRP < 24dBm | |
| | Standard Client | 6FX | EIRP < 30dBm no more than 6 dB below its associated standard power access point's authorized trans-mit power | |
| | Dual Client | 6CD | Compliance both indoor clinet and standard client limit | |

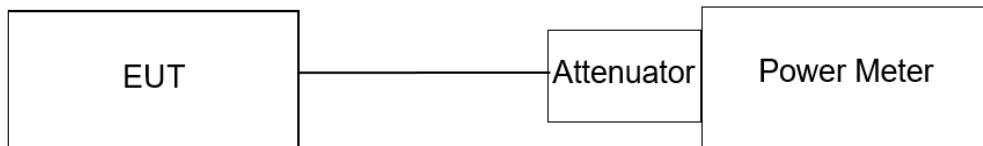
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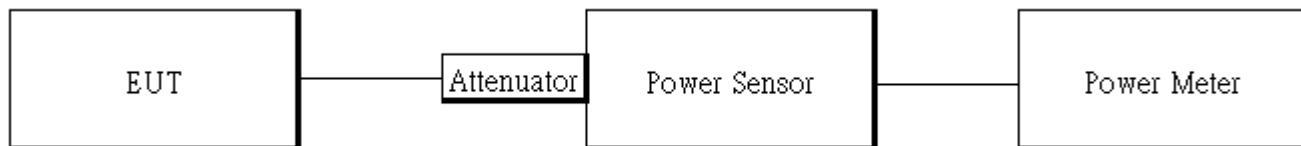
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7.2 Test Setup

7.2.1 Duty Cycle



7.2.2 Output Power



Note:

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$\bullet \quad \text{DirectionalGain} = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The antenna gain is not greater than 6 dBi. Therefore, reduction of power is not required.

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7.3 Measurement Procedure

7.3.1 Duty Cycle

1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

7.3.2 Output Power

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter
4. Power Meter is used as the auxiliary test equipment to conduct the output power measurement.
5. Record the max. reading and add $10 \log(1/\text{duty cycle})$.
6. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.
7. MIMO mode: offset is set with “measure and add $10 \log(N)$ ” to measurement for MIMO mode. Offset = cable loss + $10 \log(N)$, where N is number of transmitting antenna, cable loss is specified below.

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7.4 Measurement Result

7.4.1 Conducted output power

NB

802.11a_2Tx

| CH | Frequency (MHz) | AVERAGE POWER (dBm) | | TOTAL POWER +Factor (dBm) | Antenna Gain (dBi) | EIRP (dBm) | REQUIRED EIRP LIMIT (dBm) | RESULT |
|------------|-----------------|---------------------|-------------|---------------------------|--------------------|--------------|---------------------------|-------------|
| | | CH 0 | CH 1 | | | | | |
| 1 | 5955 | 0.01 | 0.37 | 3.66 | 5.9 | 9.564 | 24 | PASS |
| 45 | 6175 | -0.08 | 0.11 | 3.49 | 5.9 | 9.386 | 24 | PASS |
| 93 | 6415 | -0.31 | -0.21 | 3.21 | 5.9 | 9.111 | 24 | PASS |
| 97 | 6435 | 0.45 | 0.88 | 4.14 | 3.67 | 7.811 | 24 | PASS |
| 105 | 6475 | 0.32 | 0.46 | 3.86 | 3.67 | 7.531 | 24 | PASS |
| 113 | 6515 | 0.40 | 1.12 | 4.25 | 3.67 | 7.915 | 24 | PASS |
| 117 | 6535 | -0.05 | -0.01 | 3.44 | 4.4 | 7.840 | 24 | PASS |
| 149 | 6695 | 0.36 | 0.38 | 3.84 | 4.4 | 8.240 | 24 | PASS |
| 181 | 6855 | 0.16 | -0.03 | 3.54 | 4.4 | 7.936 | 24 | PASS |
| 185 | 6875 | 0.37 | 0.23 | 3.77 | 4.4 | 8.171 | 24 | PASS |
| 185 | 6875(U-NII 7) | -2.64 | -2.78 | 0.30 | 4.4 | 4.701 | 24 | PASS |
| 185 | 6875(U-NII 8) | -5.65 | -2.78 | -0.97 | 5.16 | 4.188 | 24 | PASS |
| 213 | 7015 | 0.54 | 0.48 | 3.98 | 5.16 | 9.140 | 24 | PASS |
| 233 | 7115 | 0.56 | 0.61 | 4.06 | 5.16 | 9.215 | 24 | PASS |

802.11ax_20_MIMO

| CH | Frequency (MHz) | RU config. | AVERAGE POWER (dBm) | | TOTAL POWER +Factor (dBm) | Antenna Gain (dBi) | EIRP (dBm) | REQUIRED EIRP LIMIT (dBm) | RESULT |
|------------|-----------------|-------------|---------------------|-------------|---------------------------|--------------------|--------------|---------------------------|-------------|
| | | | CH 0 | CH 1 | | | | | |
| 1 | 5955 | full | 0.23 | 0.86 | 4.38 | 5.9 | 10.277 | 24 | PASS |
| | | 26/0 | -7.89 | -8.03 | -4.14 | 5.9 | 1.761 | 24 | PASS |
| | | 52/37 | -6.65 | -6.84 | -2.92 | 5.9 | 2.976 | 24 | PASS |
| | | 106/53 | -2.79 | -2.83 | 1.01 | 5.9 | 6.910 | 24 | PASS |
| 45 | 6175 | full | 0.22 | 0.18 | 4.02 | 5.9 | 9.920 | 24 | PASS |
| 93 | 6415 | full | 0.28 | 0.23 | 4.08 | 5.9 | 9.975 | 24 | PASS |
| | | 26/8 | -8.15 | -8.41 | -4.46 | 5.9 | 1.442 | 24 | PASS |
| | | 106/54 | -2.77 | -2.91 | 0.98 | 5.9 | 6.881 | 24 | PASS |
| | | 26/0 | -8.94 | -8.49 | -4.89 | 3.67 | -1.219 | 24 | PASS |
| 97 | 6435 | 106/53 | -2.92 | -2.48 | 1.13 | 3.67 | 4.796 | 24 | PASS |
| | | full | -8.94 | -8.49 | -4.89 | 3.67 | -1.219 | 24 | PASS |
| | | 26/0 | -8.47 | -8.14 | -4.48 | 4.4 | -0.082 | 24 | PASS |
| | | 106/54 | -2.72 | -2.60 | 1.16 | 4.4 | 5.561 | 24 | PASS |
| 105 | 6475 | full | 0.94 | 1.11 | 4.85 | 3.67 | 8.516 | 24 | PASS |
| 113 | 6515 | full | 0.46 | 1.14 | 4.63 | 3.67 | 8.304 | 24 | PASS |
| 117 | 6535 | full | 0.17 | 0.45 | 4.13 | 4.4 | 8.533 | 24 | PASS |
| | | 26/0 | -8.61 | -8.41 | -4.69 | 4.4 | -0.289 | 24 | PASS |
| | | 106/53 | -2.85 | -2.67 | 1.06 | 4.4 | 5.461 | 24 | PASS |
| 149 | 6695 | full | 0.43 | 0.11 | 4.09 | 4.4 | 8.493 | 24 | PASS |
| 181 | 6855 | full | 0.24 | 0.26 | 4.07 | 4.4 | 8.470 | 24 | PASS |
| | | 26/8 | -8.47 | -8.14 | -4.48 | 4.4 | -0.082 | 24 | PASS |
| | | 106/54 | -2.72 | -2.60 | 1.16 | 4.4 | 5.561 | 24 | PASS |
| | | full | -8.47 | -8.14 | -4.48 | 4.4 | -0.082 | 24 | PASS |
| 185 | 6875 | full | 0.84 | 0.89 | 4.69 | 4.4 | 9.085 | 24 | PASS |
| 185 | 6875(U-NII 7) | full | -2.17 | -2.12 | 0.87 | 4.4 | 5.265 | 24 | PASS |
| 185 | 6875(U-NII 8) | full | -5.18 | -2.12 | -0.38 | 5.16 | 4.784 | 24 | PASS |
| 213 | 7015 | full | 0.86 | 0.75 | 4.63 | 5.16 | 9.786 | 24 | PASS |
| 233 | 7115 | full | 0.93 | 0.96 | 4.77 | 5.16 | 9.925 | 24 | PASS |
| | | 26/8 | -9.32 | -10.14 | -5.89 | 5.16 | -0.730 | 24 | PASS |
| | | 52/40 | -6.68 | -6.75 | -2.89 | 5.16 | 2.265 | 24 | PASS |
| | | 106/54 | -5.34 | -5.46 | -1.58 | 5.16 | 3.581 | 24 | PASS |

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802.11ax_40_MIMO

| CH | Frequency (MHz) | RU config. | AVERAGE POWER (dBm) | | TOTAL POWER +Factor (dBm) | Antenna Gain (dBi) | EIRP (dBm) | REQUIRED EIRP LIMIT (dBm) | RESULT |
|-----|-----------------|------------|---------------------|-------|---------------------------|--------------------|------------|---------------------------|--------|
| | | | CH 0 | CH 1 | | | | | |
| 3 | 5965 | full | 2.23 | 3.06 | 6.49 | 5.9 | 12.385 | 24 | PASS |
| 43 | 6165 | full | 2.45 | 3.08 | 6.60 | 5.9 | 12.497 | 24 | PASS |
| 91 | 6405 | full | 2.81 | 2.88 | 6.67 | 5.9 | 12.565 | 24 | PASS |
| 99 | 6445 | full | 2.67 | 3.05 | 6.68 | 3.67 | 10.354 | 24 | PASS |
| 107 | 6485 | full | 3.07 | 3.38 | 7.05 | 3.67 | 10.718 | 24 | PASS |
| 123 | 6565 | full | 2.39 | 2.54 | 6.29 | 4.4 | 10.686 | 24 | PASS |
| 155 | 6725 | full | 2.43 | 2.69 | 6.38 | 4.4 | 10.782 | 24 | PASS |
| 179 | 6845 | full | 2.37 | 2.32 | 6.17 | 4.4 | 10.565 | 24 | PASS |
| 187 | 6885 | full | 2.92 | 2.84 | 6.70 | 5.16 | 11.860 | 24 | PASS |
| 187 | 6885(U-NII 7) | full | -3.41 | -3.48 | -0.44 | 4.4 | 3.965 | 24 | PASS |
| 187 | 6885(U-NII 8) | full | -4.56 | 1.69 | 2.61 | 5.16 | 7.771 | 24 | PASS |
| 211 | 7005 | full | 3.02 | 2.81 | 6.74 | 5.16 | 11.897 | 24 | PASS |
| 227 | 7085 | full | 3.28 | 3.45 | 7.19 | 5.16 | 12.346 | 24 | PASS |

802.11ax_80_MIMO

| CH | Frequency (MHz) | RU config. | AVERAGE POWER (dBm) | | TOTAL POWER +Factor (dBm) | Antenna Gain (dBi) | EIRP (dBm) | REQUIRED EIRP LIMIT (dBm) | RESULT |
|-----|-----------------|------------|---------------------|------|---------------------------|--------------------|------------|---------------------------|--------|
| | | | CH 0 | CH 1 | | | | | |
| 7 | 5985 | full | 5.55 | 5.63 | 9.49 | 5.9 | 15.390 | 24 | PASS |
| 39 | 6145 | full | 5.15 | 5.78 | 9.38 | 5.9 | 15.277 | 24 | PASS |
| 87 | 6385 | full | 5.05 | 5.28 | 9.07 | 5.9 | 14.967 | 24 | PASS |
| 103 | 6465 | full | 5.80 | 5.92 | 9.76 | 3.67 | 13.431 | 24 | PASS |
| 135 | 6625 | full | 6.24 | 6.39 | 10.22 | 4.4 | 14.616 | 24 | PASS |
| 151 | 6705 | full | 5.26 | 5.31 | 9.19 | 4.4 | 13.585 | 24 | PASS |
| 167 | 6785 | full | 5.21 | 5.34 | 9.18 | 4.4 | 13.576 | 24 | PASS |
| 183 | 6865 | full | 5.72 | 5.77 | 9.65 | 4.4 | 14.045 | 24 | PASS |
| 183 | 6865(U-NII 7) | full | 4.01 | 3.77 | 6.90 | 4.4 | 11.300 | 24 | PASS |
| 183 | 6865(U-NII 8) | full | -0.86 | 1.45 | 3.45 | 5.16 | 8.613 | 24 | PASS |
| 199 | 6945 | full | 5.92 | 6.07 | 9.90 | 5.16 | 15.056 | 24 | PASS |
| 215 | 7025 | full | 5.82 | 6.58 | 10.12 | 5.16 | 15.277 | 24 | PASS |

802.11ax_160_MIMO

| CH | Frequency (MHz) | RU config. | AVERAGE POWER (dBm) | | TOTAL POWER +Factor (dBm) | Antenna Gain (dBi) | EIRP (dBm) | REQUIRED EIRP LIMIT (dBm) | RESULT |
|-----|-----------------|------------|---------------------|------|---------------------------|--------------------|------------|---------------------------|--------|
| | | | CH 0 | CH 1 | | | | | |
| 15 | 6025 | full | 7.65 | 9.25 | 12.42 | 5.9 | 18.321 | 24 | PASS |
| 47 | 6185 | full | 8.05 | 8.42 | 12.14 | 5.9 | 18.037 | 24 | PASS |
| 79 | 6345 | full | 8.02 | 8.95 | 12.41 | 5.9 | 18.308 | 24 | PASS |
| 143 | 6665 | full | 8.47 | 8.54 | 12.40 | 4.4 | 16.803 | 24 | PASS |
| 175 | 6825 | full | 8.26 | 8.52 | 12.29 | 4.4 | 16.690 | 24 | PASS |
| 175 | 6825(U-NII 7) | full | 7.41 | 7.66 | 10.55 | 4.4 | 14.947 | 24 | PASS |
| 175 | 6825(U-NII 8) | full | -0.08 | 1.05 | 3.53 | 5.16 | 8.691 | 24 | PASS |
| 207 | 6985 | full | 8.78 | 9.16 | 12.87 | 5.16 | 18.032 | 24 | PASS |

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TB

802.11a_2Tx

| CH | Frequency (MHz) | AVERAGE POWER (dBm) | | TOTAL POWER +Factor (dBm) | Antenna Gain (dBi) | EIRP (dBm) | REQUIRED EIRP LIMIT (dBm) | RESULT |
|-----|-----------------|---------------------|-------|---------------------------|--------------------|------------|---------------------------|--------|
| | | CH 0 | CH 1 | | | | | |
| 1 | 5955 | 0.01 | 0.37 | 3.66 | 5.55 | 9.214 | 24 | PASS |
| 45 | 6175 | -0.08 | 0.11 | 3.49 | 5.55 | 9.036 | 24 | PASS |
| 93 | 6415 | -0.31 | -0.21 | 3.21 | 5.55 | 8.761 | 24 | PASS |
| 97 | 6435 | 0.45 | 0.88 | 4.14 | 4.1 | 8.241 | 24 | PASS |
| 105 | 6475 | 0.32 | 0.46 | 3.86 | 4.1 | 7.961 | 24 | PASS |
| 113 | 6515 | 0.40 | 1.12 | 4.25 | 4.1 | 8.345 | 24 | PASS |
| 117 | 6535 | -0.05 | -0.01 | 3.44 | 4.16 | 7.600 | 24 | PASS |
| 149 | 6695 | 0.36 | 0.38 | 3.84 | 4.16 | 8.000 | 24 | PASS |
| 181 | 6855 | 0.16 | -0.03 | 3.54 | 4.16 | 7.696 | 24 | PASS |
| 185 | 6875 | 0.37 | 0.23 | 3.77 | 4.16 | 7.931 | 24 | PASS |
| 185 | 6875(U-NII 7) | -2.64 | -2.78 | 0.30 | 4.16 | 4.461 | 24 | PASS |
| 185 | 6875(U-NII 8) | -5.65 | -2.78 | -0.97 | 4.33 | 3.358 | 24 | PASS |
| 213 | 7015 | 0.54 | 0.48 | 3.98 | 4.33 | 8.310 | 24 | PASS |
| 233 | 7115 | 0.56 | 0.61 | 4.06 | 4.33 | 8.385 | 24 | PASS |

802.11ax_20_MIMO

| CH | Frequency (MHz) | RU config. | AVERAGE POWER (dBm) | | TOTAL POWER +Factor (dBm) | Antenna Gain (dBi) | EIRP (dBm) | REQUIRED EIRP LIMIT (dBm) | RESULT |
|-----|-----------------|------------|---------------------|--------|---------------------------|--------------------|------------|---------------------------|--------|
| | | | CH 0 | CH 1 | | | | | |
| 1 | 5955 | full | 0.23 | 0.86 | 4.38 | 5.55 | 9.927 | 24 | PASS |
| | | 26/0 | -7.89 | -8.03 | -4.14 | 5.55 | 1.411 | 24 | PASS |
| | | 52/37 | -6.65 | -6.84 | -2.92 | 5.55 | 2.626 | 24 | PASS |
| | | 106/53 | -2.79 | -2.83 | 1.01 | 5.55 | 6.560 | 24 | PASS |
| 45 | 6175 | full | 0.22 | 0.18 | 4.02 | 5.55 | 9.570 | 24 | PASS |
| 93 | 6415 | full | 0.28 | 0.23 | 4.08 | 5.55 | 9.625 | 24 | PASS |
| | | 26/8 | -8.15 | -8.41 | -4.46 | 5.55 | 1.092 | 24 | PASS |
| | | 106/54 | -2.77 | -2.91 | 0.98 | 5.55 | 6.531 | 24 | PASS |
| 97 | 6435 | 26/0 | -8.94 | -8.49 | -4.89 | 4.1 | -0.789 | 24 | PASS |
| | | 106/53 | -2.92 | -2.48 | 1.13 | 4.1 | 5.226 | 24 | PASS |
| 105 | 6475 | full | 0.94 | 1.11 | 4.85 | 4.1 | 8.946 | 24 | PASS |
| 113 | 6515 | full | 0.46 | 1.14 | 4.63 | 4.1 | 8.734 | 24 | PASS |
| 117 | 6535 | full | 0.17 | 0.45 | 4.13 | 4.16 | 8.293 | 24 | PASS |
| | | 26/0 | -8.61 | -8.41 | -4.69 | 4.16 | -0.529 | 24 | PASS |
| | | 106/53 | -2.85 | -2.67 | 1.06 | 4.16 | 5.221 | 24 | PASS |
| 149 | 6695 | full | 0.43 | 0.11 | 4.09 | 4.16 | 8.253 | 24 | PASS |
| 181 | 6855 | full | 0.24 | 0.26 | 4.07 | 4.16 | 8.230 | 24 | PASS |
| | | 26/8 | -8.47 | -8.14 | -4.48 | 4.16 | -0.322 | 24 | PASS |
| | | 106/54 | -2.72 | -2.60 | 1.16 | 4.16 | 5.321 | 24 | PASS |
| 185 | 6875 | full | 0.84 | 0.89 | 4.69 | 4.16 | 8.845 | 24 | PASS |
| 185 | 6875(U-NII 7) | full | -2.17 | -2.12 | 0.87 | 4.16 | 5.025 | 24 | PASS |
| 185 | 6875(U-NII 8) | full | -5.18 | -2.12 | -0.38 | 4.33 | 3.954 | 24 | PASS |
| 213 | 7015 | full | 0.86 | 0.75 | 4.63 | 4.33 | 8.956 | 24 | PASS |
| 233 | 7115 | full | 0.93 | 0.96 | 4.77 | 4.33 | 9.095 | 24 | PASS |
| | | 26/8 | -9.32 | -10.14 | -5.89 | 4.33 | -1.560 | 24 | PASS |
| | | 52/40 | -6.68 | -6.75 | -2.89 | 4.33 | 1.435 | 24 | PASS |
| | | 106/54 | -5.34 | -5.46 | -1.58 | 4.33 | 2.751 | 24 | PASS |

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802.11ax_40_MIMO

| CH | Frequency (MHz) | RU config. | AVERAGE POWER (dBm) | | TOTAL POWER +Factor (dBm) | Antenna Gain (dBi) | EIRP (dBm) | REQUIRED EIRP LIMIT (dBm) | RESULT |
|-----|-----------------|------------|---------------------|-------|---------------------------|--------------------|------------|---------------------------|--------|
| | | | CH 0 | CH 1 | | | | | |
| 3 | 5965 | full | 2.23 | 3.06 | 6.49 | 5.55 | 12.035 | 24 | PASS |
| 43 | 6165 | full | 2.45 | 3.08 | 6.60 | 5.55 | 12.147 | 24 | PASS |
| 91 | 6405 | full | 2.81 | 2.88 | 6.67 | 5.55 | 12.215 | 24 | PASS |
| 99 | 6445 | full | 2.67 | 3.05 | 6.68 | 4.1 | 10.784 | 24 | PASS |
| 107 | 6485 | full | 3.07 | 3.38 | 7.05 | 4.1 | 11.148 | 24 | PASS |
| 123 | 6565 | full | 2.39 | 2.54 | 6.29 | 4.16 | 10.446 | 24 | PASS |
| 155 | 6725 | full | 2.43 | 2.69 | 6.38 | 4.16 | 10.542 | 24 | PASS |
| 179 | 6845 | full | 2.37 | 2.32 | 6.17 | 4.16 | 10.325 | 24 | PASS |
| 187 | 6885 | full | 2.92 | 2.84 | 6.70 | 4.33 | 11.030 | 24 | PASS |
| 187 | 6885(U-NII 7) | full | -3.41 | -3.48 | -0.43 | 4.16 | 3.725 | 24 | PASS |
| 187 | 6885(U-NII 8) | full | -4.56 | 1.69 | 2.61 | 4.33 | 6.942 | 24 | PASS |
| 211 | 7005 | full | 3.02 | 2.81 | 6.74 | 4.33 | 11.067 | 24 | PASS |
| 227 | 7085 | full | 3.28 | 3.45 | 7.19 | 4.33 | 11.516 | 24 | PASS |

802.11ax_80_MIMO

| CH | Frequency (MHz) | RU config. | AVERAGE POWER (dBm) | | TOTAL POWER +Factor (dBm) | Antenna Gain (dBi) | EIRP (dBm) | REQUIRED EIRP LIMIT (dBm) | RESULT |
|-----|-----------------|------------|---------------------|------|---------------------------|--------------------|------------|---------------------------|--------|
| | | | CH 0 | CH 1 | | | | | |
| 7 | 5985 | full | 5.55 | 5.63 | 9.49 | 5.55 | 15.040 | 24 | PASS |
| 39 | 6145 | full | 5.15 | 5.78 | 9.38 | 5.55 | 14.927 | 24 | PASS |
| 87 | 6385 | full | 5.05 | 5.28 | 9.07 | 5.55 | 14.617 | 24 | PASS |
| 103 | 6465 | full | 5.80 | 5.92 | 9.76 | 4.1 | 13.861 | 24 | PASS |
| 135 | 6625 | full | 6.24 | 6.39 | 10.22 | 4.16 | 14.376 | 24 | PASS |
| 151 | 6705 | full | 5.26 | 5.31 | 9.19 | 4.16 | 13.345 | 24 | PASS |
| 167 | 6785 | full | 5.21 | 5.34 | 9.18 | 4.16 | 13.336 | 24 | PASS |
| 183 | 6865 | full | 5.72 | 5.77 | 9.65 | 4.16 | 13.805 | 24 | PASS |
| 183 | 6865(U-NII 7) | full | 4.01 | 3.77 | 6.90 | 4.16 | 11.060 | 24 | PASS |
| 183 | 6865(U-NII 8) | full | -0.86 | 1.45 | 3.45 | 4.33 | 7.783 | 24 | PASS |
| 199 | 6945 | full | 5.92 | 6.07 | 9.90 | 4.33 | 14.226 | 24 | PASS |
| 215 | 7025 | full | 5.82 | 6.58 | 10.12 | 4.33 | 14.447 | 24 | PASS |

802.11ax_160_MIMO

| CH | Frequency (MHz) | RU config. | AVERAGE POWER (dBm) | | TOTAL POWER +Factor (dBm) | Antenna Gain (dBi) | EIRP (dBm) | REQUIRED EIRP LIMIT (dBm) | RESULT |
|-----|-----------------|------------|---------------------|------|---------------------------|--------------------|------------|---------------------------|--------|
| | | | CH 0 | CH 1 | | | | | |
| 15 | 6025 | full | 7.65 | 9.25 | 12.42 | 5.55 | 17.971 | 24 | PASS |
| 47 | 6185 | full | 8.05 | 8.42 | 12.14 | 5.55 | 17.687 | 24 | PASS |
| 79 | 6345 | full | 8.02 | 8.95 | 12.41 | 5.55 | 17.958 | 24 | PASS |
| 143 | 6665 | full | 8.47 | 8.54 | 12.40 | 4.16 | 16.563 | 24 | PASS |
| 175 | 6825 | full | 8.26 | 8.52 | 12.29 | 4.16 | 16.450 | 24 | PASS |
| 175 | 6825(U-NII 7) | full | 7.41 | 7.66 | 10.55 | 4.16 | 14.707 | 24 | PASS |
| 175 | 6825(U-NII 8) | full | -0.08 | 1.05 | 3.53 | 4.33 | 7.861 | 24 | PASS |
| 207 | 6985 | full | 8.78 | 9.16 | 12.87 | 4.33 | 17.202 | 24 | PASS |

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8 UNDESIRABLE RADIATED EMISSIONS

8.1 Standard Applicable

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz and below 1 GHz must comply with the general field strength limits set forth in §15.209 and RSS-Gen §8.9 Table 5 and 6.

The provisions of §15.205 apply to intentional radiators operating under this section.

Use guidance in KDB 789033 for measurements below 1000 MHz and above 1000 MHz. Unwanted emissions outside of restricted bands are measured with a RMS detector. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

Above 1GHz and non-restricted limit

| EIRP LIMIT | FIELD STRENGTH AT 3m |
|---|--|
| Peak: -7 (dBm/MHz) AV: -27 (dBm/MHz) | Peak: 88.2 (dB μ V/m) AV: 68.2 (dB μ V/m) |

$$EIRP[dBm] = E[dB\mu V/m] + 20 \log (d[m]) - 104.77.$$

$$E[dB\mu V/m] = EIRP[dBm] - 20 \log (d[m]) + 104.77$$

Below 1G and restricted limit

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

Note:

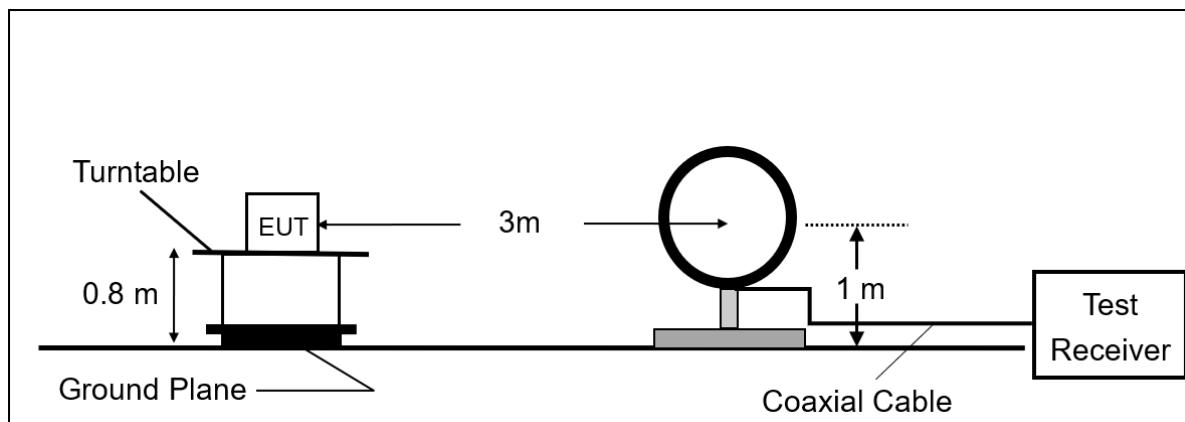
1. The lower limit shall apply at the transition frequencies.

8.2 Test Setup

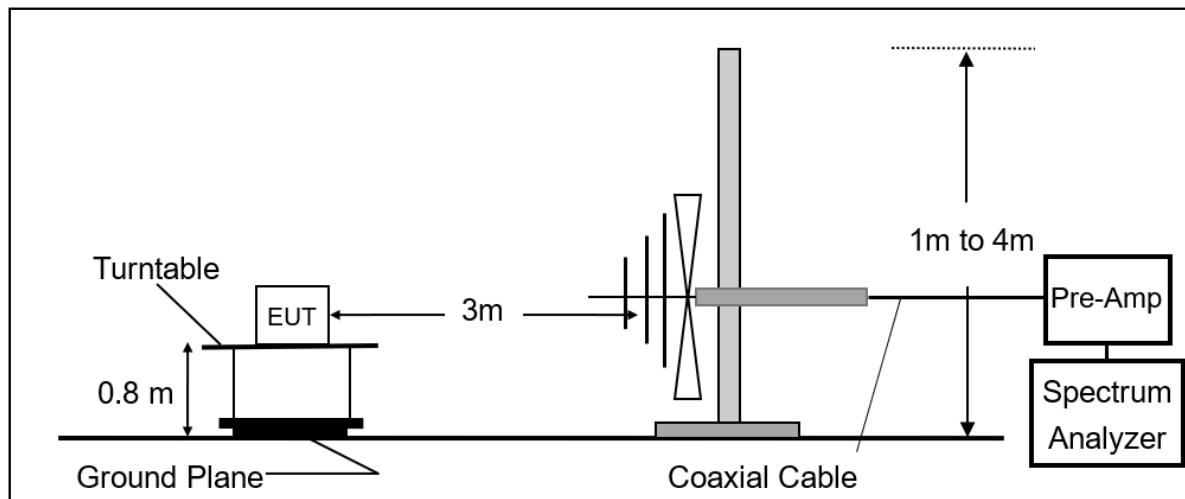
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.

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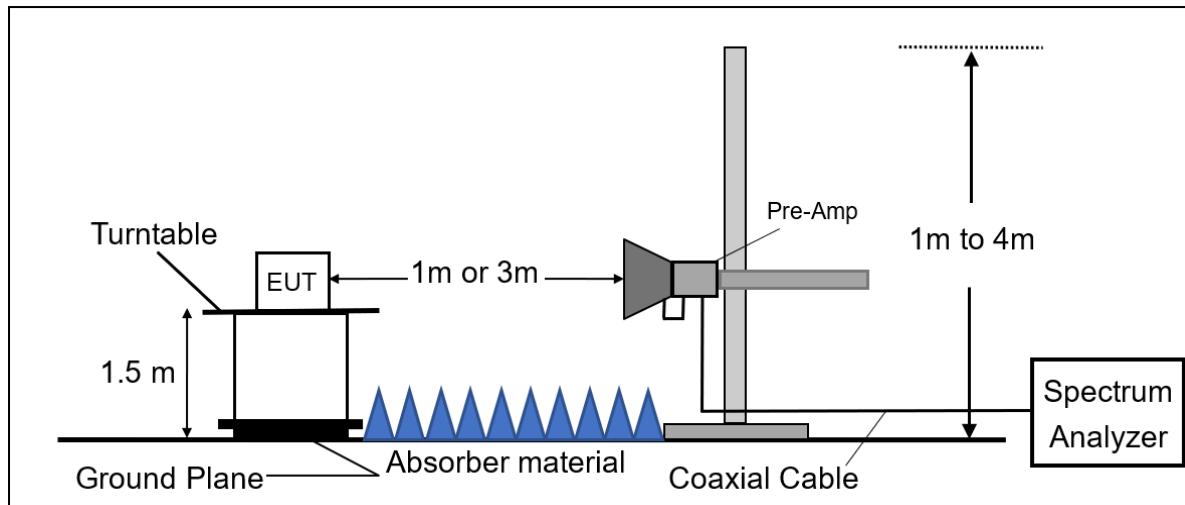
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(B) Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



(C) Radiated Emission Test Set-Up, Frequency Above 1GHz.



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8.3 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
4. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
5. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
6. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
7. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
8. At frequency above 1 GHz, Set the spectrum analyzer:
 - A. RBW=1 MHz, VBW=3 MHz for **Peak** Detector.
 - B. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW $\geq 1/T$ (Duty cycle < 98%) for **Average** Detector.
9. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
10. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
11. Repeat above procedures until all frequency measured were complete.

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8.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$\mathbf{FS = RA + AF + CL - AG}$$

Where FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

The limit of the emission level is expressed in $dB\mu V/m$, which converts $20 * \log(\mu V/m)$

Actual $FS(dB\mu V/m)$ = SPA. Reading level($dB\mu V$) + Factor(dB)

Factor(dB) = Antenna Factor($dB\mu V/m$) + Cable Loss(dB) - Pre_Amplifier Gain(dB)

8.5 Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) was not reported.

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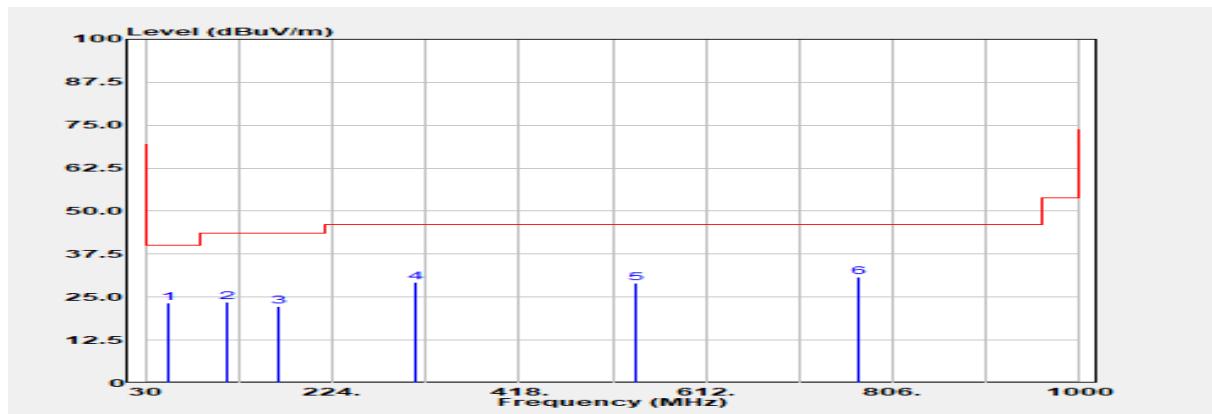
8.6 Radiated Spurious Emission Measurement Result

8.6.1 Spurious Emission

NB

Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :6175 MHz
Test Mode :TX CH MID
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-05-15
Temp./Humi. :19.8/70
Antenna Pol. :Vertical
Engineer :Andy Wang



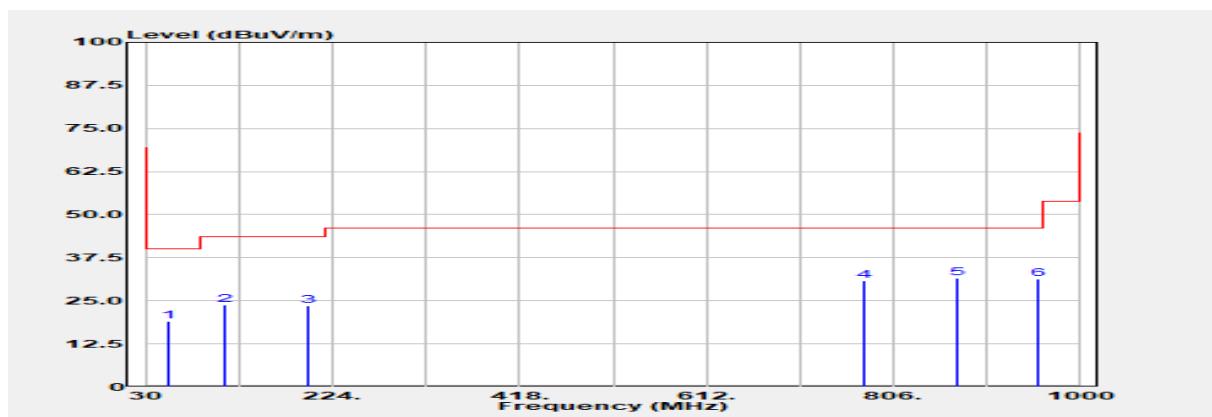
| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 54.872 | Peak | 37.99 | -14.55 | 23.43 | 40.00 | -16.57 |
| 115.497 | Peak | 40.59 | -17.10 | 23.49 | 43.50 | -20.01 |
| 168.349 | Peak | 36.75 | -14.53 | 22.22 | 43.50 | -21.28 |
| 311.362 | Peak | 42.01 | -12.65 | 29.36 | 46.00 | -16.64 |
| 538.317 | Peak | 34.92 | -5.90 | 29.02 | 46.00 | -16.98 |
| 769.936 | Peak | 31.70 | -0.82 | 30.87 | 46.00 | -15.13 |

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Report Number :TERF2204000208E2
 Operation Mode :802.11a
 Test Frequency :6175 MHz
 Test Mode :TX CH MID
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-05-15
 Temp./Humi. :19.8/70
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|--|--------------|------------------------------|------------------------------|--------------|
| 54.872 | Peak | 33.61 | -14.55 | 19.05 | 40.00 | -20.95 |
| 112.388 | Peak | 41.14 | -17.28 | 23.86 | 43.50 | -19.64 |
| 197.885 | Peak | 40.62 | -17.14 | 23.49 | 43.50 | -20.01 |
| 774.599 | Peak | 31.60 | -0.69 | 30.91 | 46.00 | -15.09 |
| 872.532 | Peak | 30.67 | 0.83 | 31.50 | 46.00 | -14.50 |
| 954.920 | Peak | 29.77 | 1.60 | 31.37 | 46.00 | -14.63 |

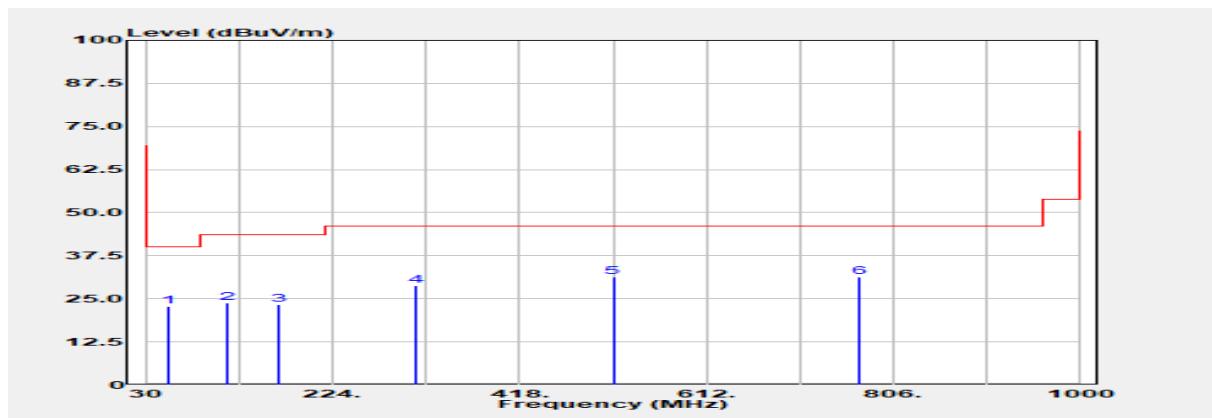
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Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :6475 MHz
Test Mode :TX CH MID
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-05-15
Temp./Humi. :19.8/70
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 54.872 | Peak | 37.40 | -14.55 | 22.85 | 40.00 | -17.15 |
| 113.942 | Peak | 41.03 | -17.24 | 23.79 | 43.50 | -19.71 |
| 168.349 | Peak | 37.84 | -14.53 | 23.31 | 43.50 | -20.19 |
| 311.362 | Peak | 41.54 | -12.65 | 28.90 | 46.00 | -17.10 |
| 515.000 | Peak | 38.46 | -7.09 | 31.37 | 46.00 | -14.63 |
| 769.936 | Peak | 32.18 | -0.82 | 31.36 | 46.00 | -14.64 |

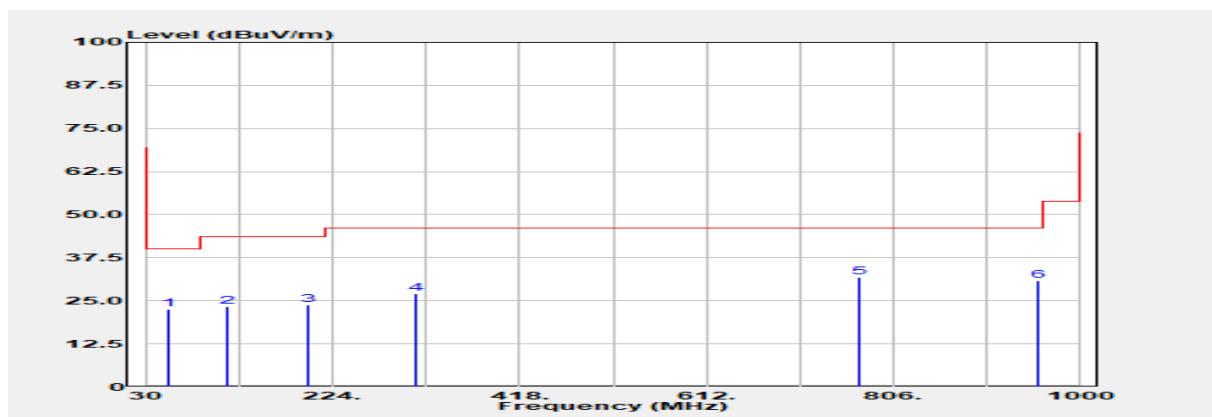
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Report Number :TERF2204000208E2
 Operation Mode :802.11a
 Test Frequency :6475 MHz
 Test Mode :TX CH MID
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-05-15
 Temp./Humi. :19.8/70
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



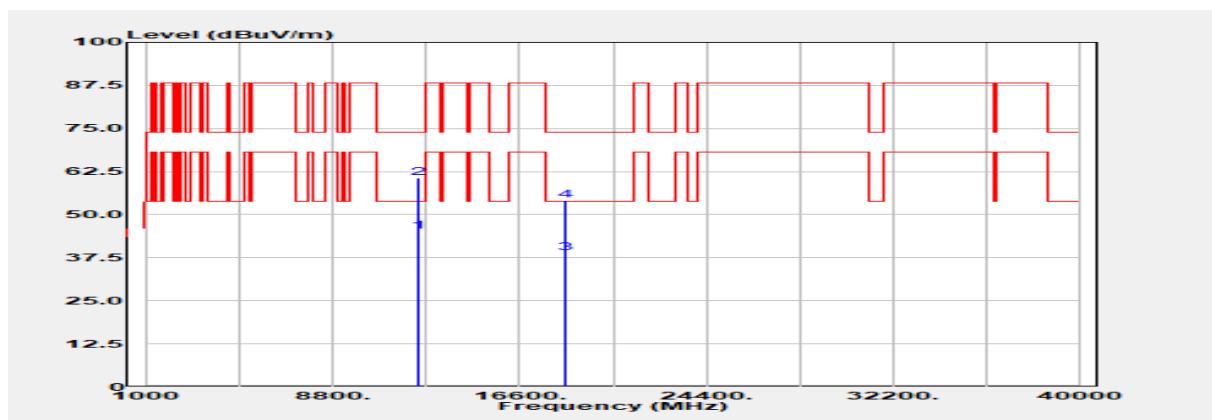
| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 54.872 | Peak | 37.21 | -14.55 | 22.66 | 40.00 | -17.34 |
| 113.942 | Peak | 40.44 | -17.24 | 23.21 | 43.50 | -20.29 |
| 199.439 | Peak | 40.88 | -17.13 | 23.75 | 43.50 | -19.75 |
| 311.362 | Peak | 39.77 | -12.65 | 27.13 | 46.00 | -18.87 |
| 769.936 | Peak | 32.64 | -0.82 | 31.82 | 46.00 | -14.18 |
| 954.920 | Peak | 29.21 | 1.60 | 30.81 | 46.00 | -15.19 |

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Report Number :TERF2204000208E2
 Operation Mode :802.11a
 Test Frequency :6175 MHz
 Test Mode :TX CH MID
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-05-15
 Temp./Humi. :19.8/70
 Antenna Pol. :Vertical
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 12350.000 | Average | 19.46 | 25.70 | 45.16 | 54.00 | -8.84 |
| 12350.000 | Peak | 35.05 | 25.70 | 60.75 | 74.00 | -13.25 |
| 18525.000 | Average | 20.33 | 18.64 | 38.97 | 54.00 | -15.03 |
| 18525.000 | Peak | 35.54 | 18.64 | 54.19 | 74.00 | -19.81 |

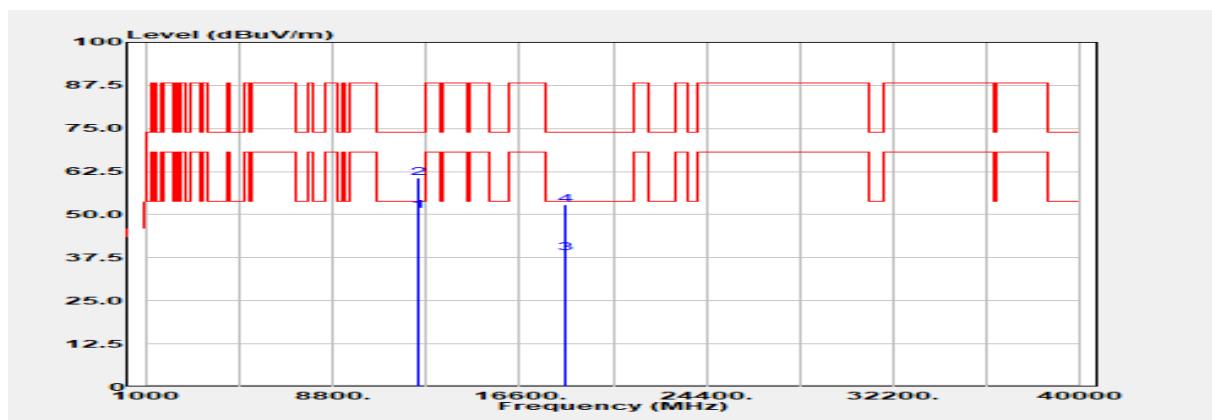
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Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :6175 MHz
Test Mode :TX CH MID
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-05-15
Temp./Humi. :19.8/70
Antenna Pol. :Horizontal
Engineer :Andy Wang



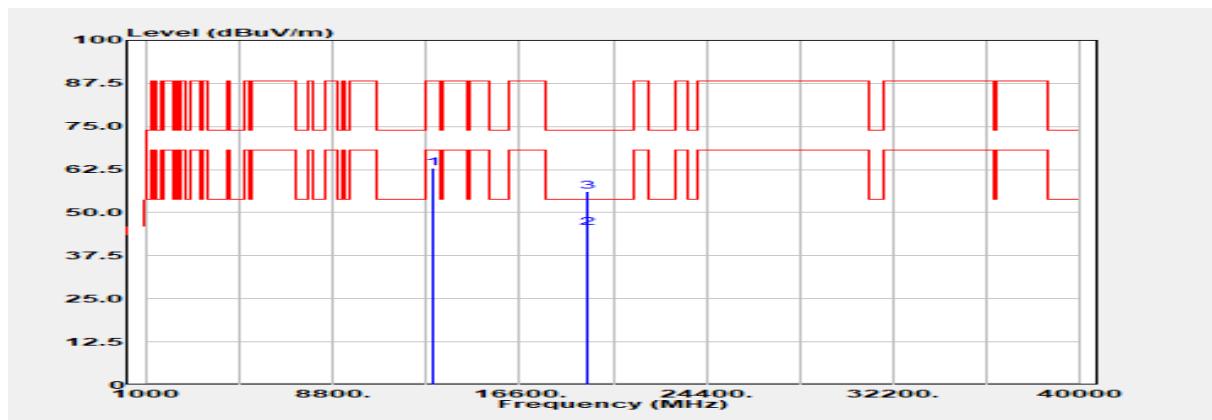
| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 12350.000 | Average | 25.43 | 25.70 | 51.13 | 54.00 | -2.87 |
| 12350.000 | Peak | 34.91 | 25.70 | 60.62 | 74.00 | -13.38 |
| 18525.000 | Average | 20.23 | 18.64 | 38.87 | 54.00 | -15.13 |
| 18525.000 | Peak | 34.12 | 18.64 | 52.77 | 74.00 | -21.23 |

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Report Number :TERF2204000208E2
 Operation Mode :802.11a
 Test Frequency :6475 MHz
 Test Mode :TX CH MID
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-05-15
 Temp./Humi. :19.8/70
 Antenna Pol. :Vertical
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 12950.000 | Peak | 35.60 | 27.30 | 62.91 | 88.20 | -25.29 |
| 19425.000 | Average | 26.72 | 18.95 | 45.67 | 54.00 | -8.33 |
| 19425.000 | Peak | 37.10 | 18.95 | 56.05 | 74.00 | -17.95 |

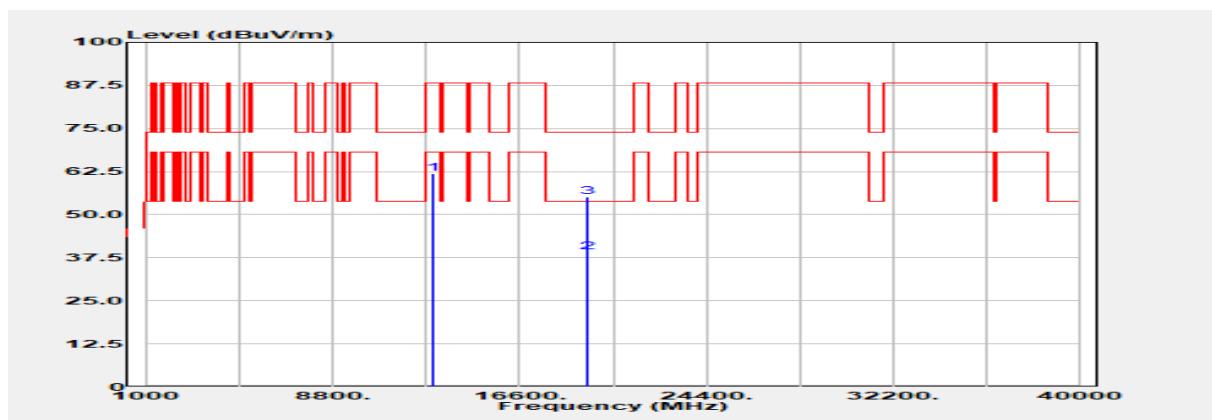
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Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :6475 MHz
Test Mode :TX CH MID
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-05-15
Temp./Humi. :19.8/70
Antenna Pol. :Horizontal
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 12950.000 | Peak | 34.67 | 27.30 | 61.98 | 88.20 | -26.22 |
| 19425.000 | Average | 20.23 | 18.95 | 39.18 | 54.00 | -14.82 |
| 19425.000 | Peak | 36.20 | 18.95 | 55.15 | 74.00 | -18.85 |

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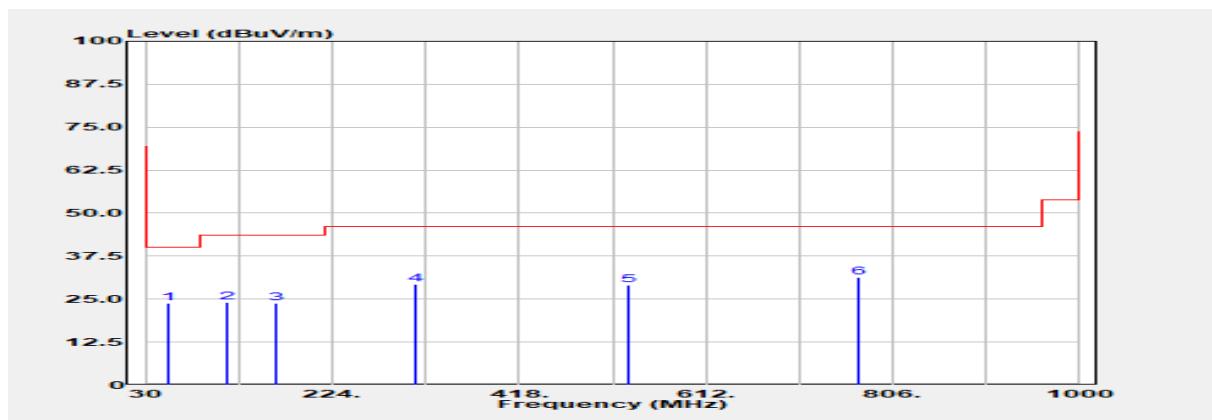
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TB

Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :6175 MHz
Test Mode :TX CH MID
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-05-15
Temp./Humi. :19.8/70
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 53.317 | Peak | 38.20 | -14.32 | 23.88 | 40.00 | -16.12 |
| 113.942 | Peak | 41.41 | -17.24 | 24.18 | 43.50 | -19.32 |
| 166.795 | Peak | 38.33 | -14.48 | 23.85 | 43.50 | -19.65 |
| 311.362 | Peak | 41.90 | -12.65 | 29.25 | 46.00 | -16.75 |
| 530.545 | Peak | 35.14 | -6.11 | 29.02 | 46.00 | -16.98 |
| 769.936 | Peak | 32.27 | -0.82 | 31.45 | 46.00 | -14.55 |

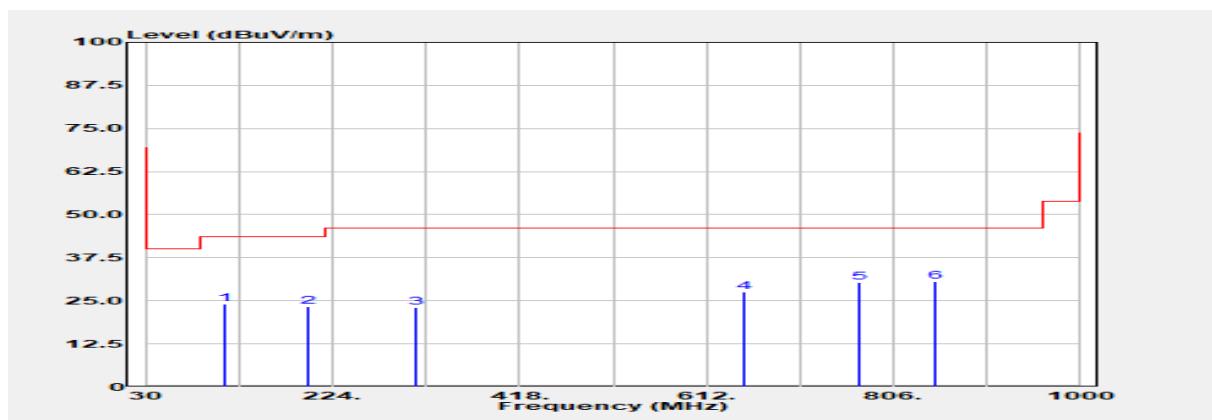
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Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :6175 MHz
Test Mode :TX CH MID
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-05-15
Temp./Humi. :19.8/70
Antenna Pol. :Horizontal
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 112.388 | Peak | 41.23 | -17.28 | 23.95 | 43.50 | -19.55 |
| 199.439 | Peak | 40.41 | -17.13 | 23.28 | 43.50 | -20.22 |
| 311.362 | Peak | 35.59 | -12.65 | 22.94 | 46.00 | -23.06 |
| 651.795 | Peak | 30.74 | -3.20 | 27.55 | 46.00 | -18.45 |
| 771.490 | Peak | 31.09 | -0.78 | 30.31 | 46.00 | -15.69 |
| 849.215 | Peak | 31.15 | -0.69 | 30.47 | 46.00 | -15.53 |

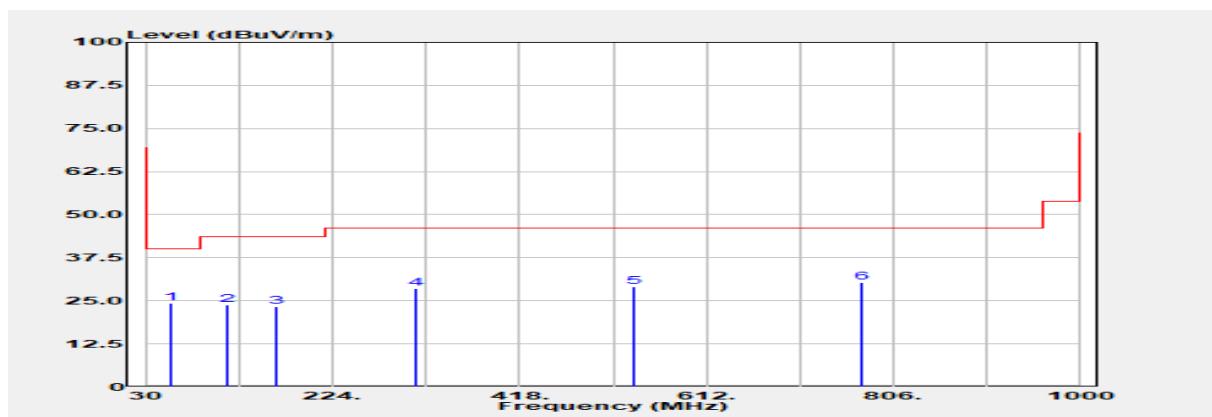
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Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :6475 MHz
Test Mode :TX CH MID
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-05-15
Temp./Humi. :19.8/70
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 56.426 | Peak | 38.77 | -14.54 | 24.23 | 40.00 | -15.77 |
| 113.942 | Peak | 41.12 | -17.24 | 23.88 | 43.50 | -19.62 |
| 166.795 | Peak | 37.77 | -14.48 | 23.29 | 43.50 | -20.21 |
| 311.362 | Peak | 41.11 | -12.65 | 28.47 | 46.00 | -17.53 |
| 536.763 | Peak | 35.09 | -5.91 | 29.18 | 46.00 | -16.82 |
| 773.045 | Peak | 31.03 | -0.73 | 30.29 | 46.00 | -15.71 |

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Report Number :TERF2204000208E2
 Operation Mode :802.11a
 Test Frequency :6475 MHz
 Test Mode :TX CH MID
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-05-15
 Temp./Humi. :19.8/70
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|--|--------------|------------------------------|------------------------------|--------------|
| 54.872 | Peak | 33.92 | -14.55 | 19.37 | 40.00 | -20.63 |
| 112.388 | Peak | 40.61 | -17.28 | 23.33 | 43.50 | -20.17 |
| 199.439 | Peak | 39.99 | -17.13 | 22.86 | 43.50 | -20.64 |
| 776.154 | Peak | 31.12 | -0.68 | 30.43 | 46.00 | -15.57 |
| 836.779 | Peak | 32.10 | -0.82 | 31.28 | 46.00 | -14.72 |
| 962.692 | Peak | 28.76 | 1.99 | 30.75 | 54.00 | -23.25 |

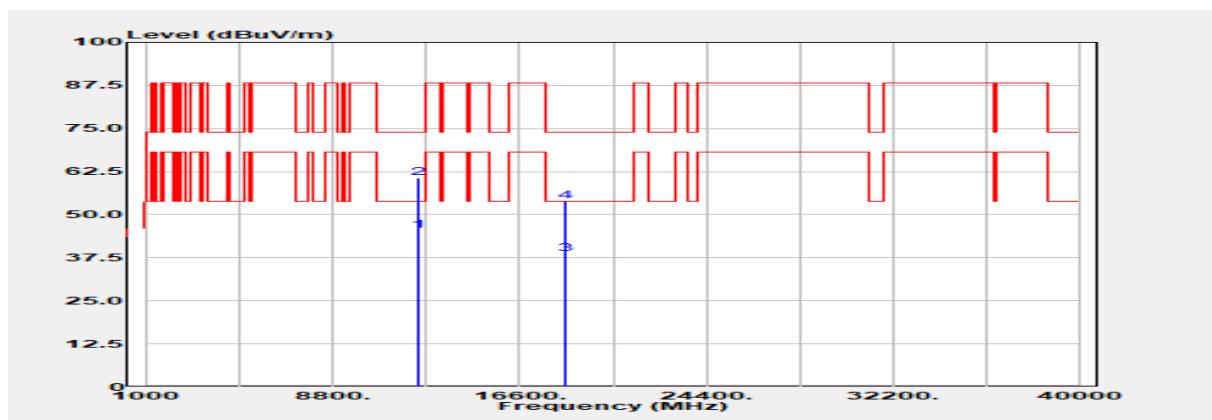
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Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :6175 MHz
Test Mode :TX CH MID
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-05-15
Temp./Humi. :19.8/70
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 12350.000 | Average | 19.77 | 25.70 | 45.47 | 54.00 | -8.53 |
| 12350.000 | Peak | 35.03 | 25.70 | 60.73 | 74.00 | -13.27 |
| 18525.000 | Average | 19.96 | 18.64 | 38.60 | 54.00 | -15.40 |
| 18525.000 | Peak | 35.29 | 18.64 | 53.94 | 74.00 | -20.06 |

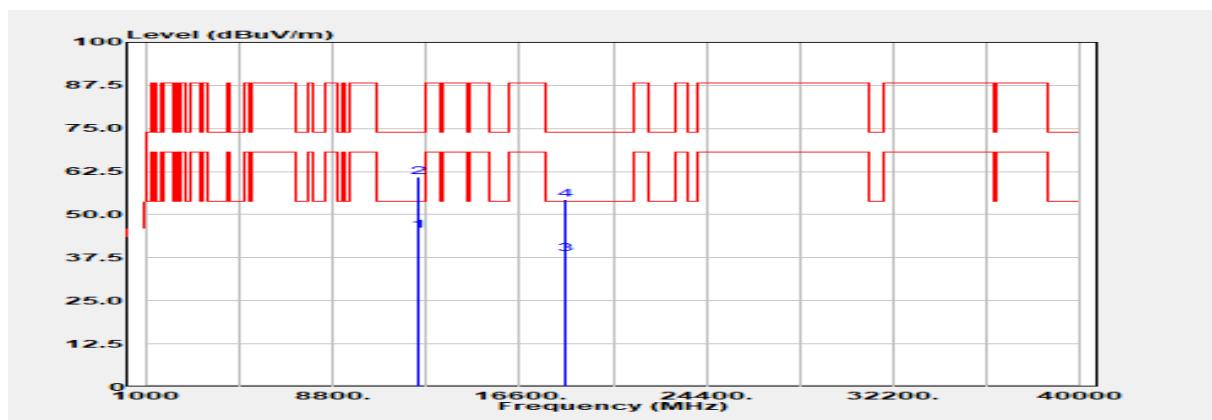
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Report Number :TERF2204000208E2
 Operation Mode :802.11a
 Test Frequency :6175 MHz
 Test Mode :TX CH MID
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-05-15
 Temp./Humi. :19.8/70
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 12350.000 | Average | 19.69 | 25.70 | 45.39 | 54.00 | -8.61 |
| 12350.000 | Peak | 35.19 | 25.70 | 60.89 | 74.00 | -13.11 |
| 18525.000 | Average | 20.03 | 18.64 | 38.67 | 54.00 | -15.33 |
| 18525.000 | Peak | 35.82 | 18.64 | 54.46 | 74.00 | -19.54 |

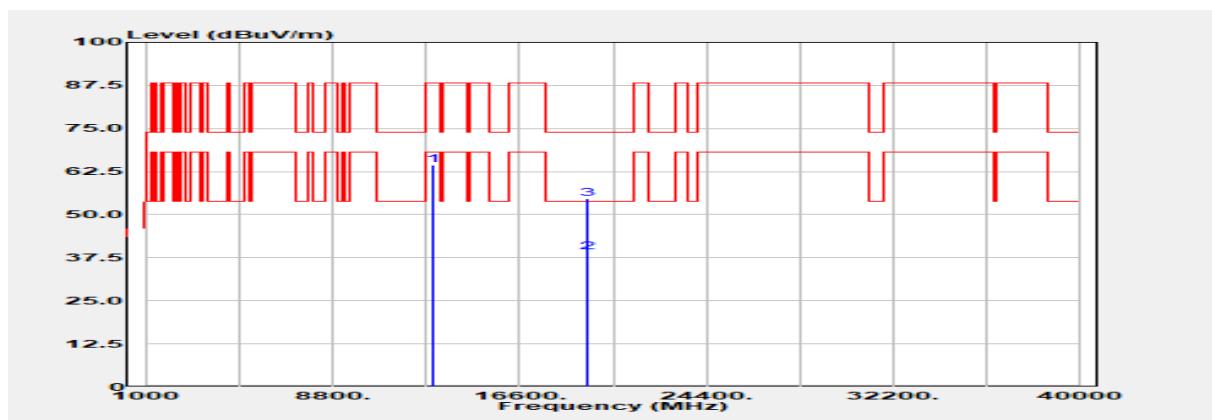
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Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :6475 MHz
Test Mode :TX CH MID
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-05-15
Temp./Humi. :19.8/70
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 12950.000 | Peak | 37.07 | 27.30 | 64.37 | 88.20 | -23.83 |
| 19425.000 | Average | 20.24 | 18.95 | 39.19 | 54.00 | -14.81 |
| 19425.000 | Peak | 35.66 | 18.95 | 54.62 | 74.00 | -19.38 |

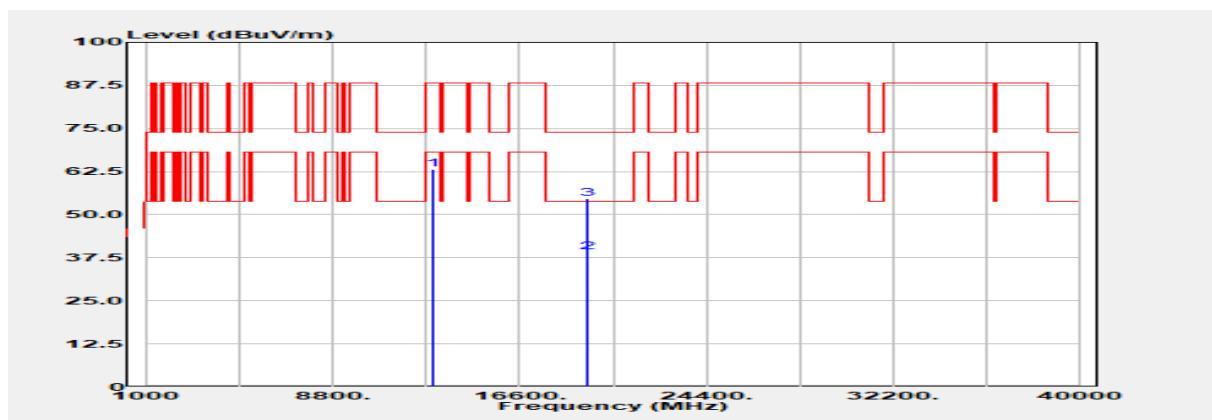
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Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :6475 MHz
Test Mode :TX CH MID
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-05-15
Temp./Humi. :19.8/70
Antenna Pol. :Horizontal
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 12950.000 | Peak | 35.95 | 27.30 | 63.25 | 88.20 | -24.95 |
| 19425.000 | Average | 20.22 | 18.95 | 39.17 | 54.00 | -14.83 |
| 19425.000 | Peak | 35.80 | 18.95 | 54.76 | 74.00 | -19.24 |

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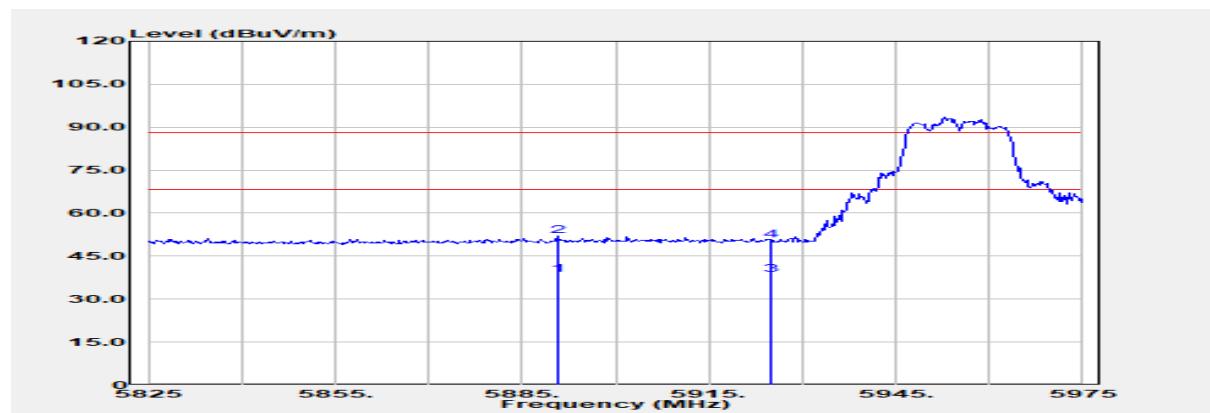
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8.6.2 Band edge falling to restricted band

NB

Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :5955 MHz
Test Mode :BE CH LOW
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5890.625 | Average | 26.14 | 12.24 | 38.38 | 68.20 | -29.82 |
| 5890.625 | Peak | 39.65 | 12.24 | 51.89 | 88.20 | -36.31 |
| 5925.000 | Average | 26.40 | 12.22 | 38.62 | 68.20 | -29.58 |
| 5925.000 | Peak | 38.18 | 12.22 | 50.40 | 88.20 | -37.80 |

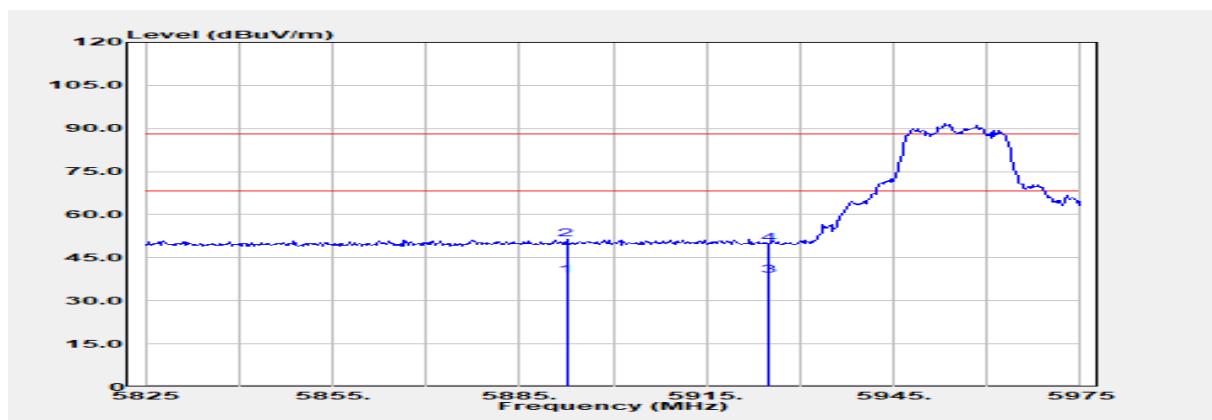
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Report Number :TERF2204000208E2
 Operation Mode :802.11a
 Test Frequency :5955 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5892.548 | Average | 26.60 | 12.26 | 38.86 | 68.20 | -29.34 |
| 5892.548 | Peak | 39.22 | 12.26 | 51.48 | 88.20 | -36.72 |
| 5925.000 | Average | 26.71 | 12.22 | 38.93 | 68.20 | -29.27 |
| 5925.000 | Peak | 37.78 | 12.22 | 50.00 | 88.20 | -38.20 |

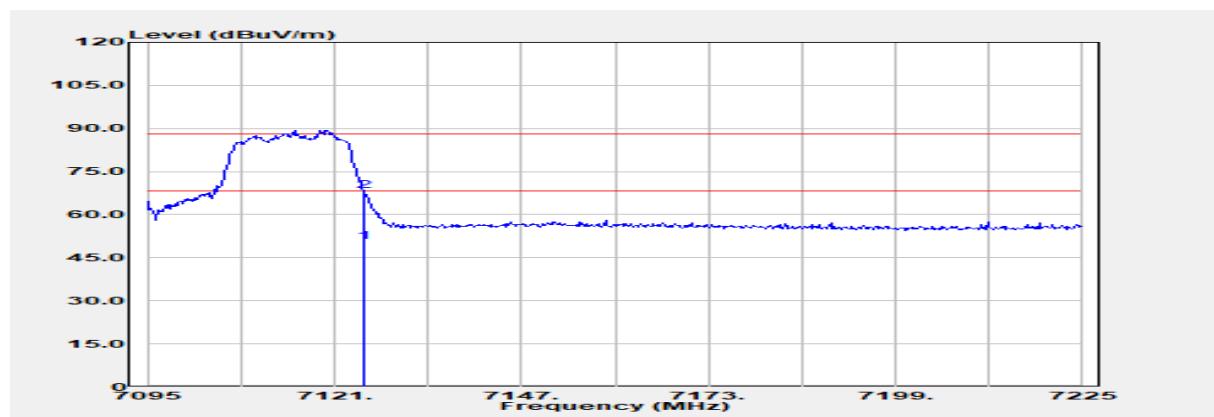
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Report Number :TERF2204000208E2
 Operation Mode :802.11a
 Test Frequency :7115 MHz
 Test Mode :BE CH HIGH
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Vertical
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 33.08 | 17.58 | 50.66 | 68.20 | -17.54 |
| 7125.000 | Peak | 50.54 | 17.58 | 68.13 | 88.20 | -20.07 |

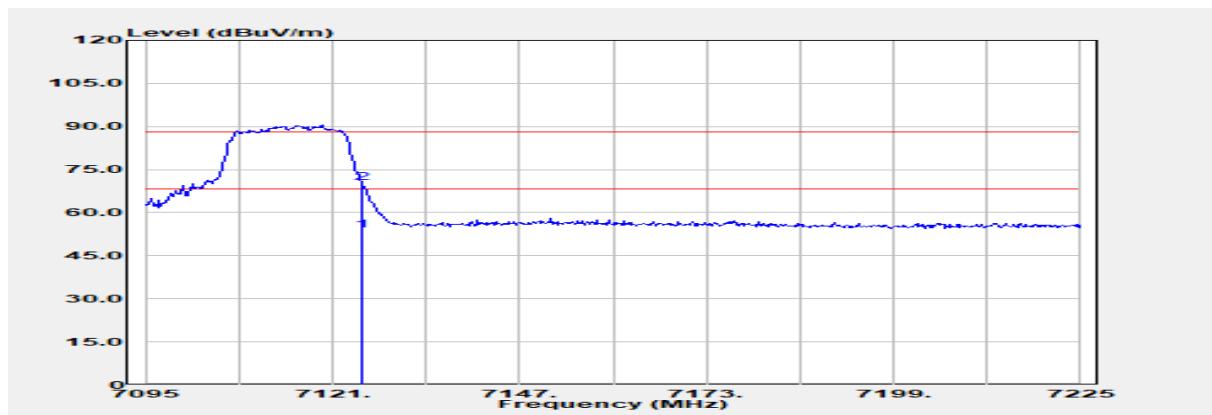
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Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :7115 MHz
Test Mode :BE CH HIGH
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Horizontal
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 36.33 | 17.58 | 53.91 | 68.20 | -14.29 |
| 7125.000 | Peak | 52.89 | 17.58 | 70.47 | 88.20 | -17.73 |

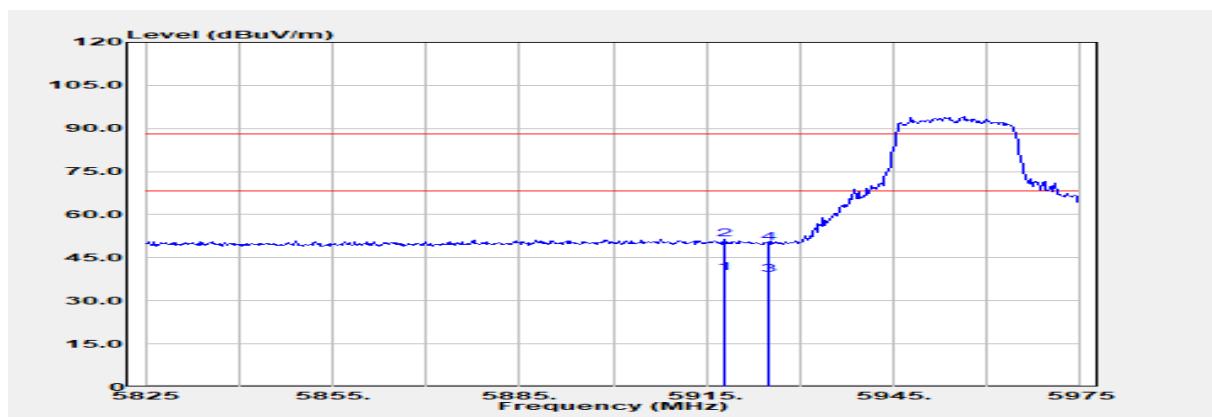
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :5955 MHz
 Test Mode :BE CH LOW FULL RU
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Vertical
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5918.029 | Average | 27.38 | 12.25 | 39.63 | 68.20 | -28.57 |
| 5918.029 | Peak | 39.22 | 12.25 | 51.47 | 88.20 | -36.73 |
| 5925.000 | Average | 26.95 | 12.22 | 39.17 | 68.20 | -29.03 |
| 5925.000 | Peak | 37.95 | 12.22 | 50.17 | 88.20 | -38.03 |

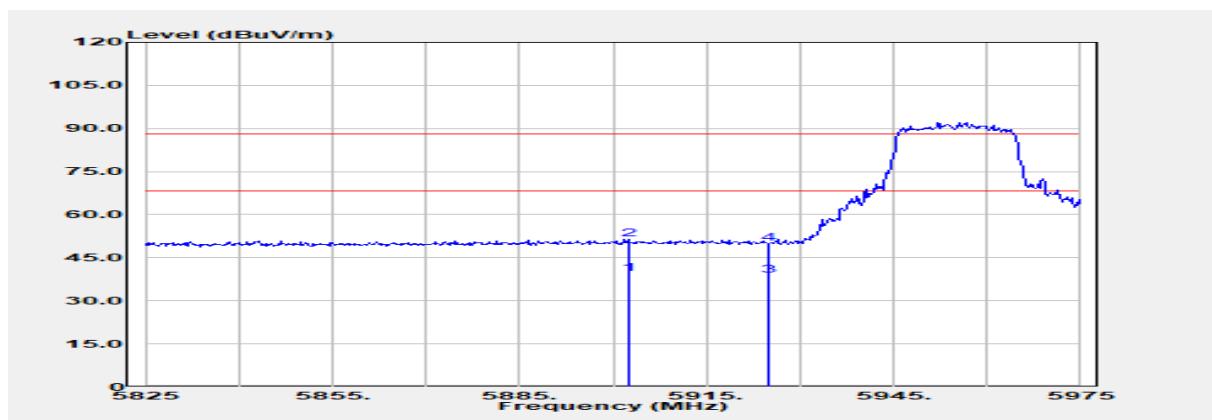
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Report Number :TERF2204000208E2
Operation Mode :802.11ax20
Test Frequency :5955 MHz
Test Mode :BE CH LOW FULL RU
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Horizontal
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5902.404 | Average | 27.21 | 12.33 | 39.54 | 68.20 | -28.66 |
| 5902.404 | Peak | 39.02 | 12.33 | 51.35 | 88.20 | -36.85 |
| 5925.000 | Average | 26.73 | 12.22 | 38.95 | 68.20 | -29.25 |
| 5925.000 | Peak | 37.69 | 12.22 | 49.91 | 88.20 | -38.29 |

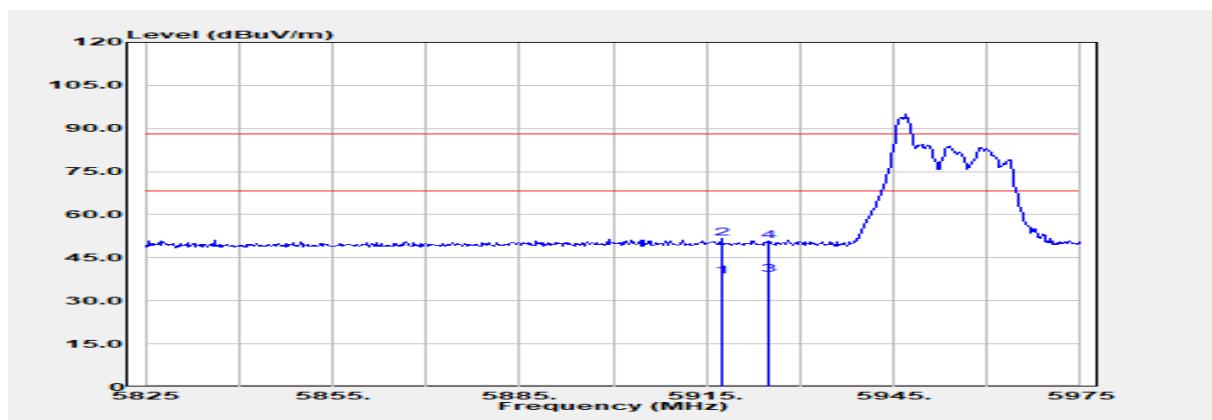
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :5955 MHz
 Test Mode :BE CH LOW RU 26/0
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Vertical
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5917.308 | Average | 26.35 | 12.25 | 38.60 | 68.20 | -29.60 |
| 5917.308 | Peak | 39.59 | 12.25 | 51.84 | 88.20 | -36.36 |
| 5925.000 | Average | 26.90 | 12.22 | 39.12 | 68.20 | -29.08 |
| 5925.000 | Peak | 38.50 | 12.22 | 50.72 | 88.20 | -37.48 |

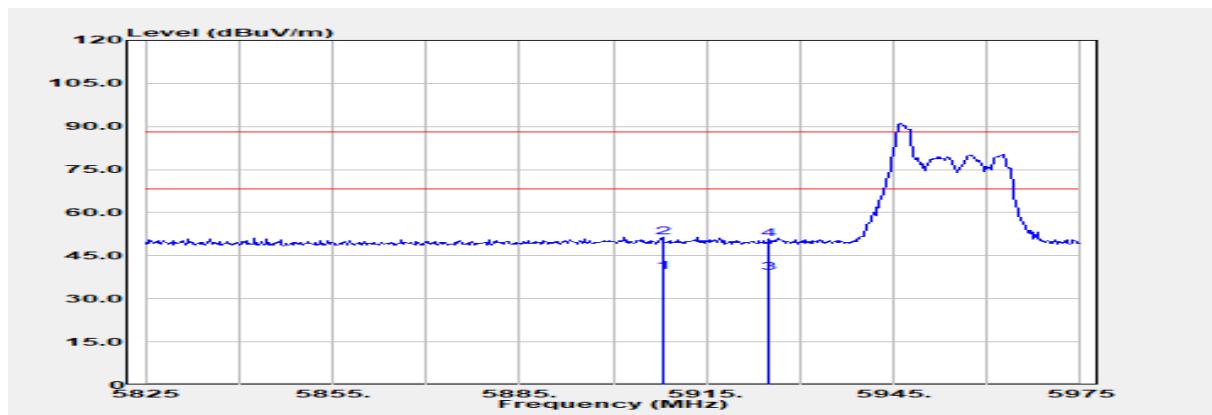
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :5955 MHz
 Test Mode :BE CH LOW RU 26/0
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5907.933 | Average | 27.11 | 12.30 | 39.41 | 68.20 | -28.79 |
| 5907.933 | Peak | 39.20 | 12.30 | 51.50 | 88.20 | -36.70 |
| 5925.000 | Average | 26.79 | 12.22 | 39.01 | 68.20 | -29.19 |
| 5925.000 | Peak | 38.47 | 12.22 | 50.69 | 88.20 | -37.51 |

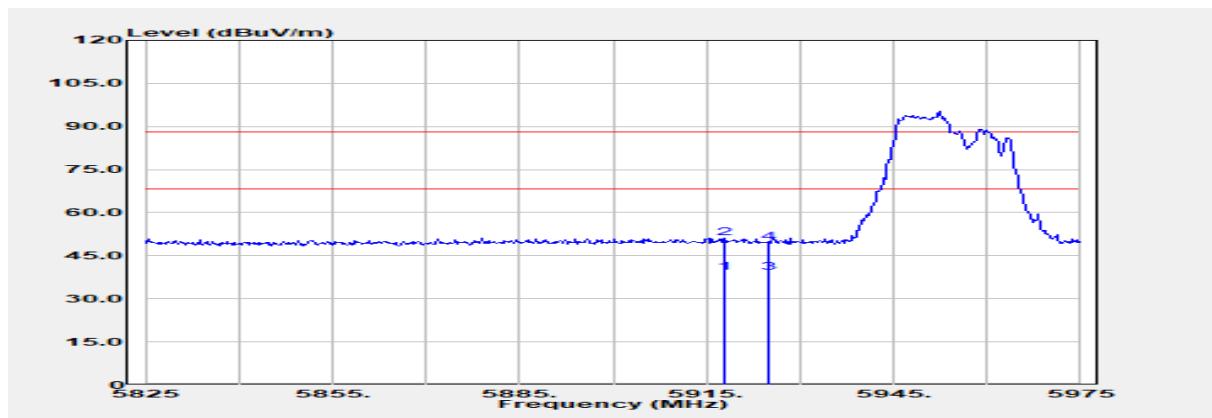
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Report Number :TERF2204000208E2
Operation Mode :802.11ax20
Test Frequency :5955 MHz
Test Mode :BE CH LOW RU 106/53
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5918.029 | Average | 26.98 | 12.25 | 39.23 | 68.20 | -28.97 |
| 5918.029 | Peak | 38.87 | 12.25 | 51.12 | 88.20 | -37.08 |
| 5925.000 | Average | 26.87 | 12.22 | 39.09 | 68.20 | -29.11 |
| 5925.000 | Peak | 37.42 | 12.22 | 49.64 | 88.20 | -38.56 |

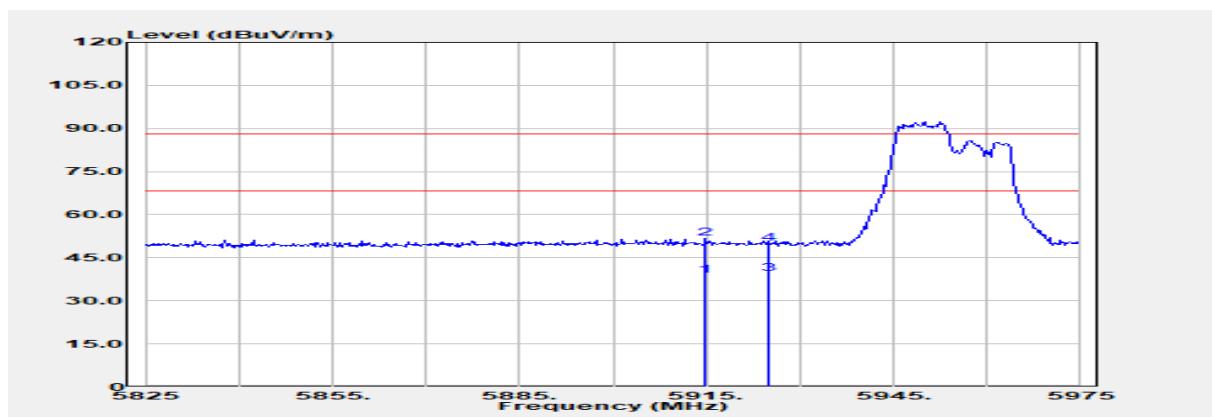
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :5955 MHz
 Test Mode :BE CH LOW RU 106/53
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5914.904 | Average | 26.39 | 12.27 | 38.66 | 68.20 | -29.54 |
| 5914.904 | Peak | 39.37 | 12.27 | 51.63 | 88.20 | -36.57 |
| 5925.000 | Average | 27.15 | 12.22 | 39.37 | 68.20 | -28.83 |
| 5925.000 | Peak | 37.73 | 12.22 | 49.95 | 88.20 | -38.25 |

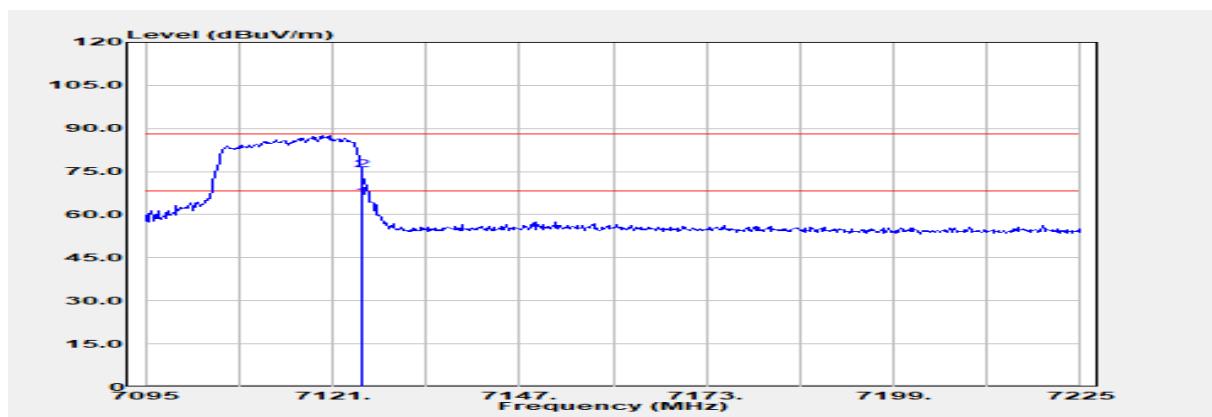
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Report Number :TERF2204000208E2
Operation Mode :802.11ax20
Test Frequency :7115 MHz
Test Mode :BE CH HIGH FULL RU
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 48.29 | 17.58 | 65.87 | 68.20 | -2.33 |
| 7125.000 | Peak | 57.92 | 17.58 | 75.51 | 88.20 | -12.69 |

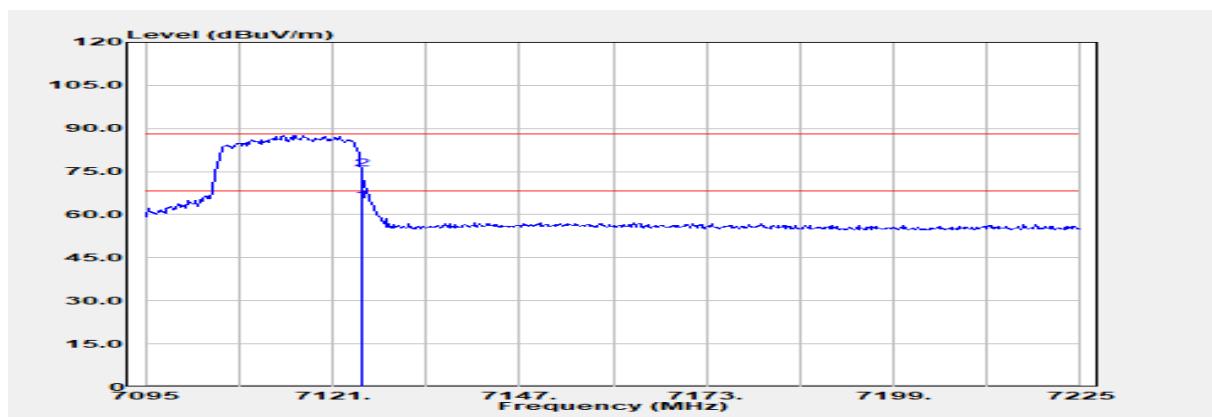
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Report Number :TERF2204000208E2
Operation Mode :802.11ax20
Test Frequency :7115 MHz
Test Mode :BE CH HIGH FULL RU
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Horizontal
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 47.01 | 17.58 | 64.59 | 68.20 | -3.61 |
| 7125.000 | Peak | 58.08 | 17.58 | 75.66 | 88.20 | -12.54 |

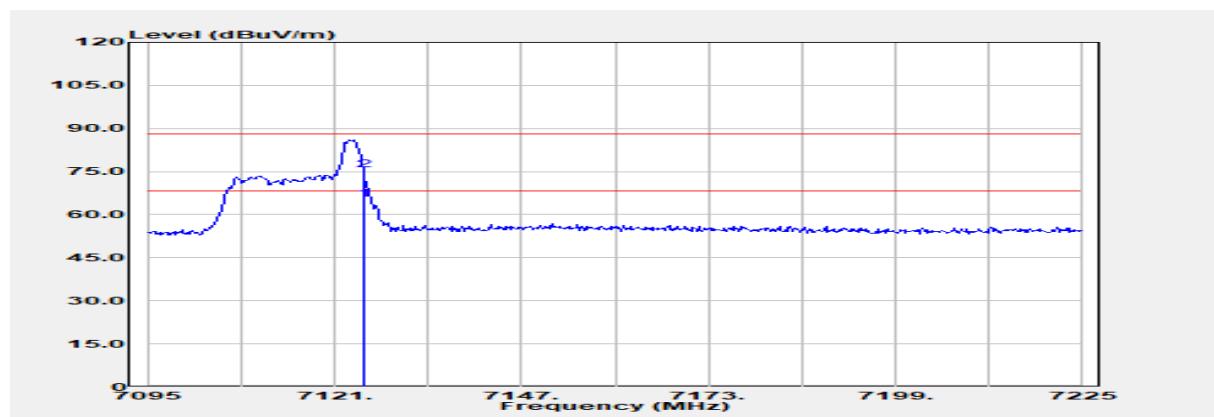
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :7115 MHz
 Test Mode :BE CH HIGH RU 26/8
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Vertical
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 47.82 | 17.58 | 65.40 | 68.20 | -2.80 |
| 7125.000 | Peak | 57.99 | 17.58 | 75.57 | 88.20 | -12.63 |

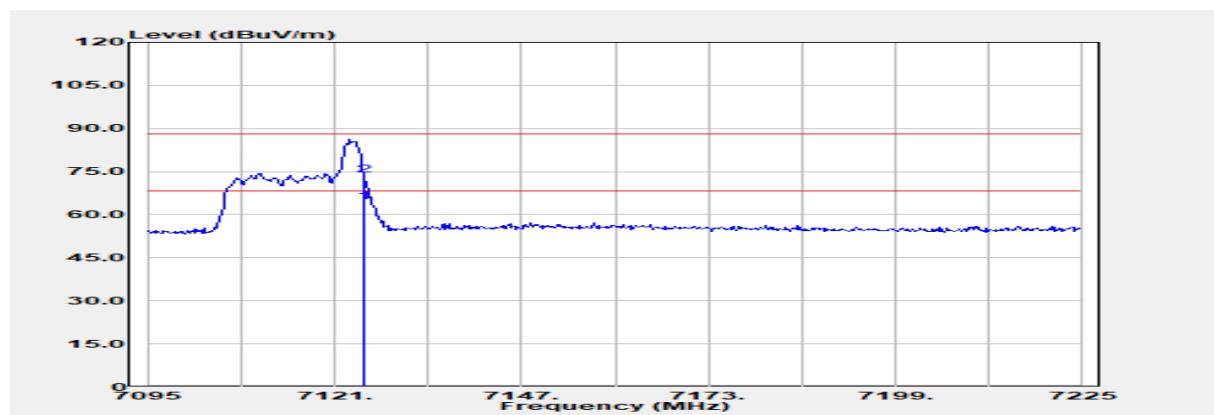
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Report Number :TERF2204000208E2
Operation Mode :802.11ax20
Test Frequency :7115 MHz
Test Mode :BE CH HIGH RU 26/8
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Horizontal
Engineer :Andy Wang



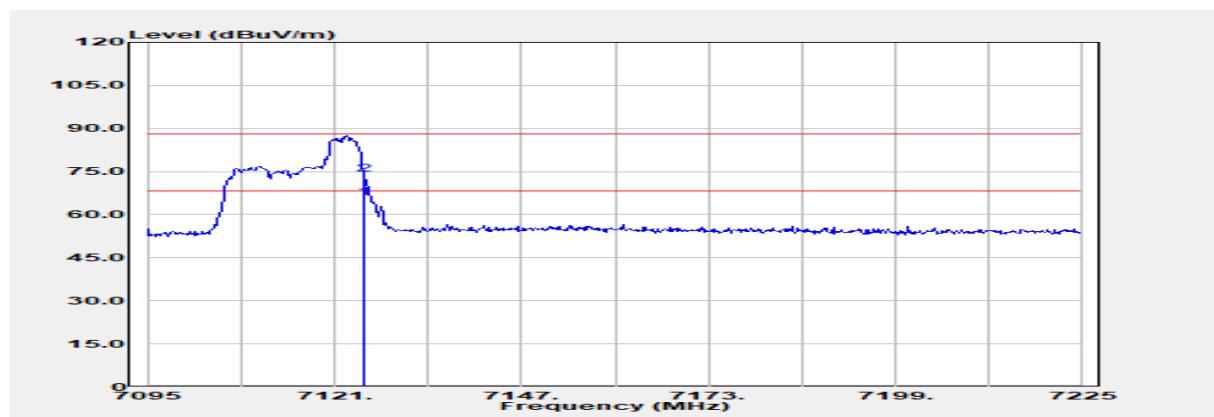
| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 46.83 | 17.58 | 64.41 | 68.20 | -3.79 |
| 7125.000 | Peak | 56.06 | 17.58 | 73.64 | 88.20 | -14.56 |

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Report Number :TERF2204000208E2
Operation Mode :802.11ax20
Test Frequency :7115 MHz
Test Mode :BE CH HIGH RU 52/40
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 48.19 | 17.58 | 65.77 | 68.20 | -2.43 |
| 7125.000 | Peak | 56.43 | 17.58 | 74.01 | 88.20 | -14.19 |

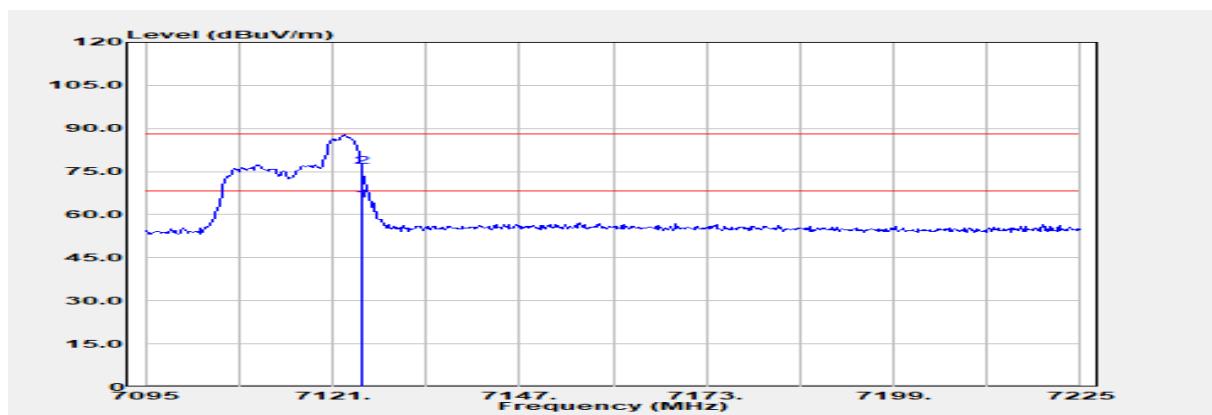
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Report Number :TERF2204000208E2
Operation Mode :802.11ax20
Test Frequency :7115 MHz
Test Mode :BE CH HIGH RU 52/40
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Horizontal
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 47.52 | 17.58 | 65.10 | 68.20 | -3.10 |
| 7125.000 | Peak | 59.07 | 17.58 | 76.65 | 88.20 | -11.55 |

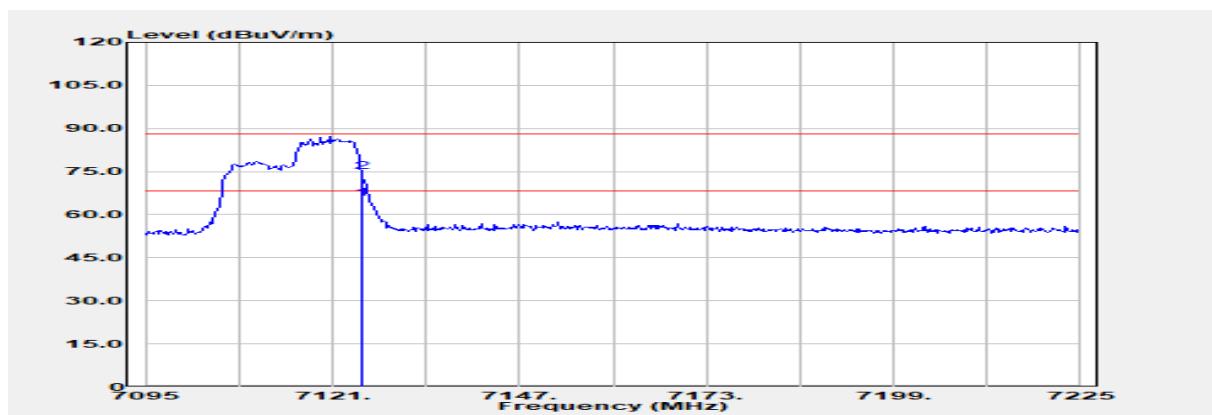
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :7115 MHz
 Test Mode :BE CH HIGH RU 106/54
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Vertical
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 48.03 | 17.58 | 65.61 | 68.20 | -2.59 |
| 7125.000 | Peak | 57.39 | 17.58 | 74.98 | 88.20 | -13.22 |

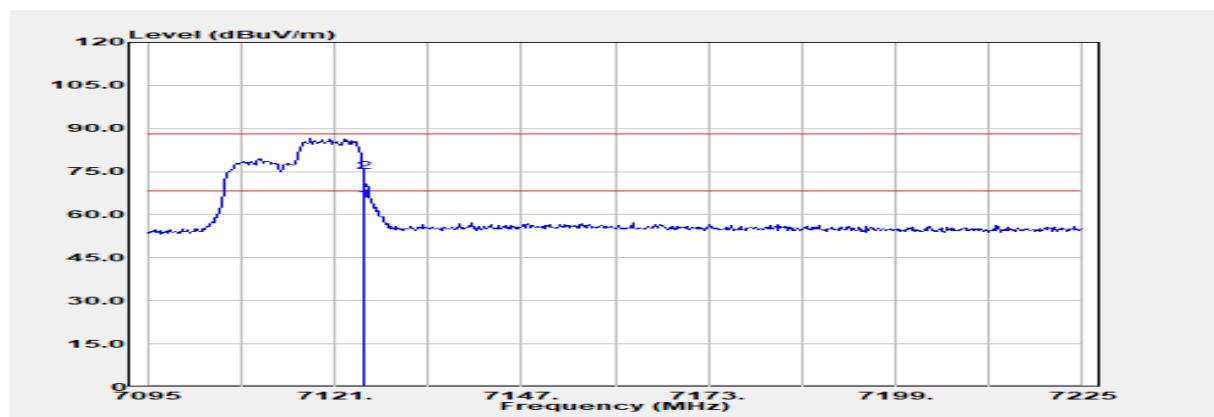
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :7115 MHz
 Test Mode :BE CH HIGH RU 106/54
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 47.50 | 17.58 | 65.08 | 68.20 | -3.12 |
| 7125.000 | Peak | 57.38 | 17.58 | 74.96 | 88.20 | -13.24 |

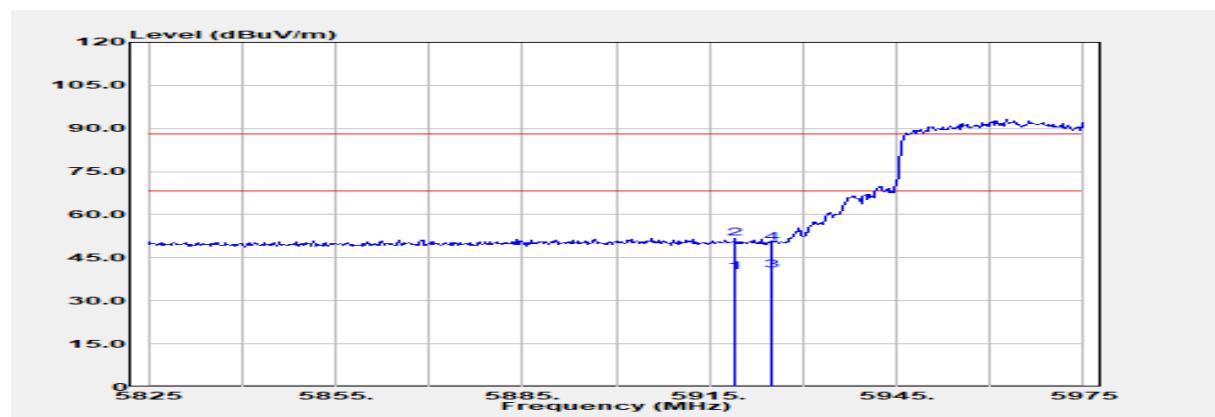
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Report Number :TERF2204000208E2
Operation Mode :802.11ax40
Test Frequency :5965 MHz
Test Mode :BE CH LOW FULL RU
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5919.231 | Average | 27.90 | 12.25 | 40.15 | 68.20 | -28.05 |
| 5919.231 | Peak | 39.47 | 12.25 | 51.71 | 88.20 | -36.49 |
| 5925.000 | Average | 28.49 | 12.22 | 40.71 | 68.20 | -27.49 |
| 5925.000 | Peak | 37.99 | 12.22 | 50.20 | 88.20 | -38.00 |

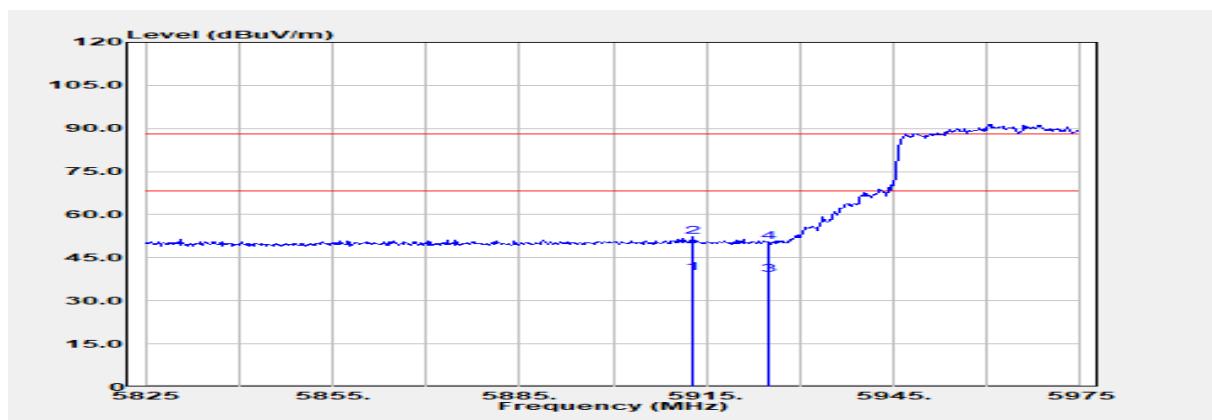
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Report Number :TERF2204000208E2
Operation Mode :802.11ax40
Test Frequency :5965 MHz
Test Mode :BE CH LOW FULL RU
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Horizontal
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5912.740 | Average | 27.50 | 12.28 | 39.78 | 68.20 | -28.42 |
| 5912.740 | Peak | 40.10 | 12.28 | 52.38 | 88.20 | -35.82 |
| 5925.000 | Average | 26.89 | 12.22 | 39.11 | 68.20 | -29.09 |
| 5925.000 | Peak | 38.20 | 12.22 | 50.41 | 88.20 | -37.79 |

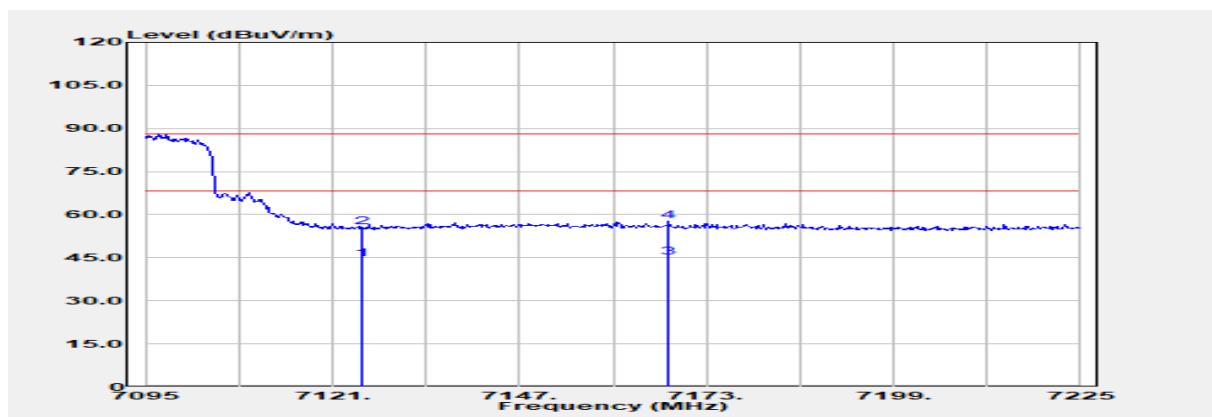
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax40
 Test Frequency :7085 MHz
 Test Mode :BE CH HIGH FULL RU
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Vertical
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 26.81 | 17.58 | 44.39 | 68.20 | -23.81 |
| 7125.000 | Peak | 38.13 | 17.58 | 55.72 | 88.20 | -32.48 |
| 7167.708 | Average | 26.98 | 18.14 | 45.12 | 68.20 | -23.08 |
| 7167.708 | Peak | 39.56 | 18.14 | 57.70 | 88.20 | -30.50 |

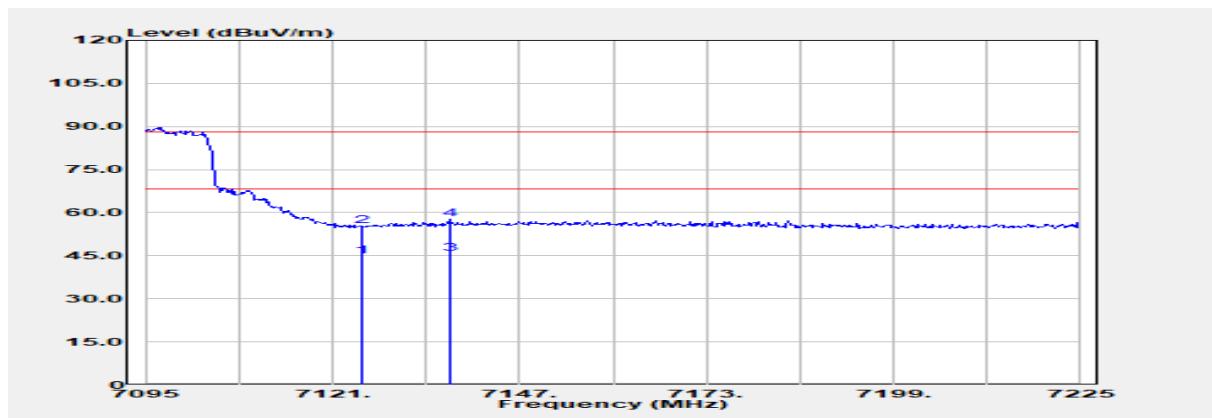
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Report Number :TERF2204000208E2
Operation Mode :802.11ax40
Test Frequency :7085 MHz
Test Mode :BE CH HIGH FULL RU
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Horizontal
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 27.14 | 17.58 | 44.72 | 68.20 | -23.48 |
| 7125.000 | Peak | 37.67 | 17.58 | 55.26 | 88.20 | -32.94 |
| 7137.292 | Average | 27.75 | 18.06 | 45.81 | 68.20 | -22.39 |
| 7137.292 | Peak | 39.55 | 18.06 | 57.61 | 88.20 | -30.59 |

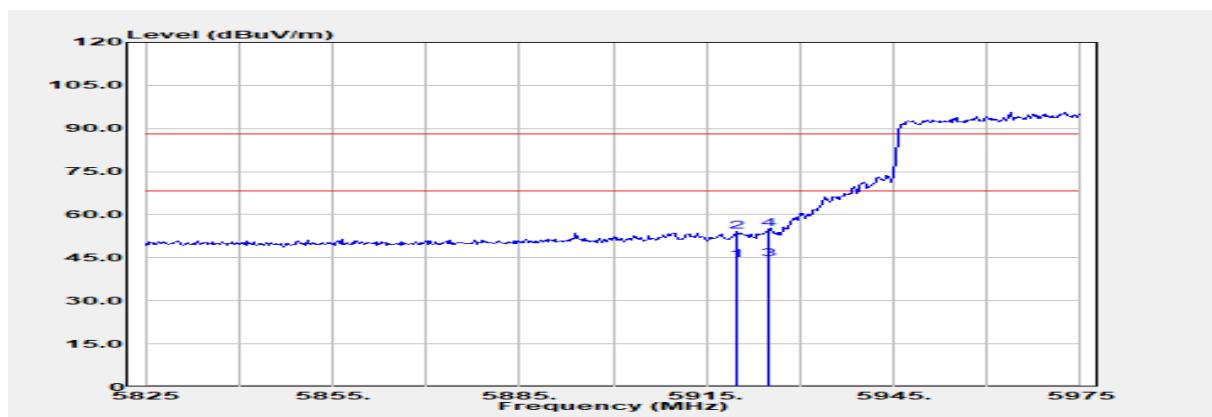
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax80
 Test Frequency :5985 MHz
 Test Mode :BE CH LOW FULL RU
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Vertical
 Engineer :Andy Wang



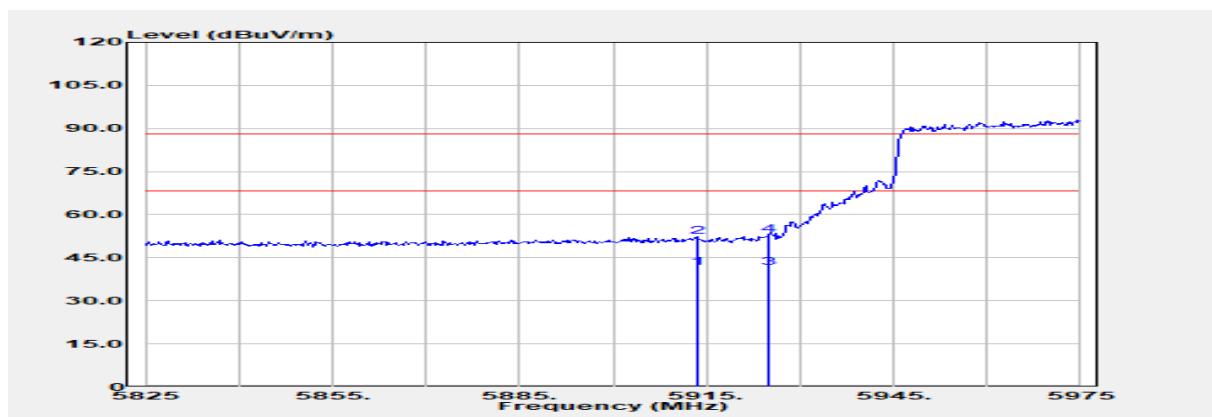
| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5919.952 | Average | 31.84 | 12.24 | 44.08 | 68.20 | -24.12 |
| 5919.952 | Peak | 41.80 | 12.24 | 54.04 | 88.20 | -34.16 |
| 5925.000 | Average | 32.24 | 12.22 | 44.46 | 68.20 | -23.74 |
| 5925.000 | Peak | 42.90 | 12.22 | 55.12 | 88.20 | -33.08 |

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Report Number :TERF2204000208E2
Operation Mode :802.11ax80
Test Frequency :5985 MHz
Test Mode :BE CH LOW FULL RU
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Horizontal
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5913.461 | Average | 29.28 | 12.27 | 41.55 | 68.20 | -26.65 |
| 5913.461 | Peak | 40.15 | 12.27 | 52.42 | 88.20 | -35.78 |
| 5925.000 | Average | 29.30 | 12.22 | 41.52 | 68.20 | -26.68 |
| 5925.000 | Peak | 40.83 | 12.22 | 53.05 | 88.20 | -35.15 |

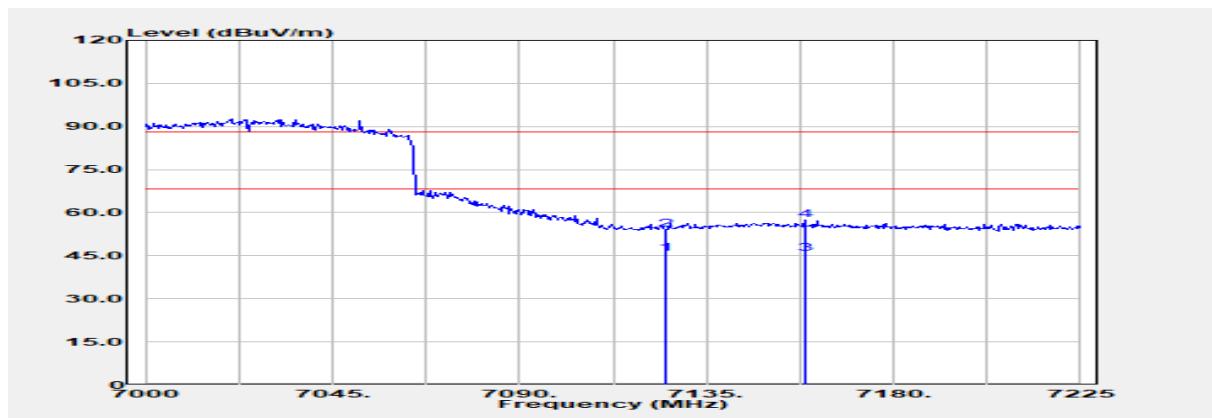
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax80
 Test Frequency :7025 MHz
 Test Mode :BE CH HIGH FULL RU
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Vertical
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 28.13 | 17.58 | 45.71 | 68.20 | -22.49 |
| 7125.000 | Peak | 36.68 | 17.58 | 54.27 | 88.20 | -33.93 |
| 7158.654 | Average | 27.39 | 18.35 | 45.74 | 68.20 | -22.46 |
| 7158.654 | Peak | 39.07 | 18.35 | 57.42 | 88.20 | -30.78 |

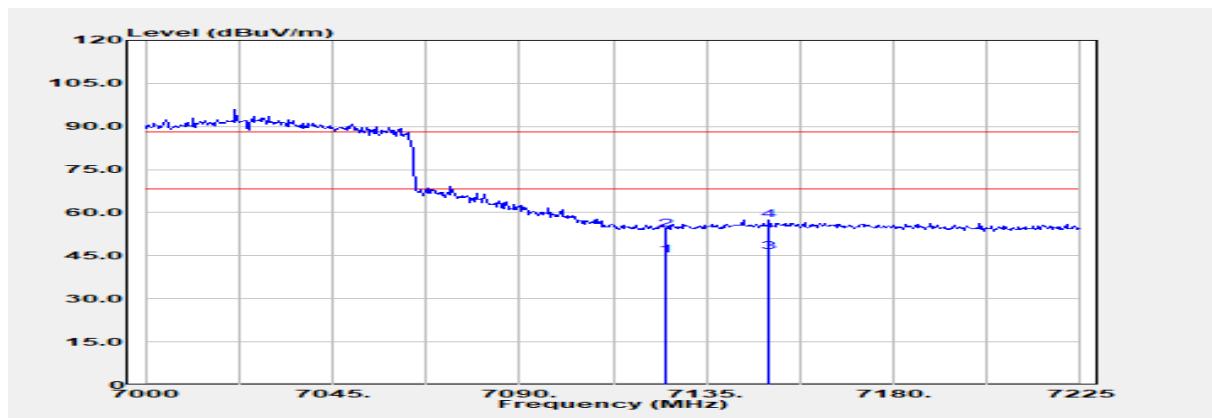
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Report Number :TERF2204000208E2
Operation Mode :802.11ax80
Test Frequency :7025 MHz
Test Mode :BE CH HIGH FULL RU
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Horizontal
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 27.52 | 17.58 | 45.10 | 68.20 | -23.10 |
| 7125.000 | Peak | 36.59 | 17.58 | 54.18 | 88.20 | -34.02 |
| 7150.000 | Average | 27.91 | 18.55 | 46.46 | 68.20 | -21.74 |
| 7150.000 | Peak | 38.86 | 18.55 | 57.41 | 88.20 | -30.79 |

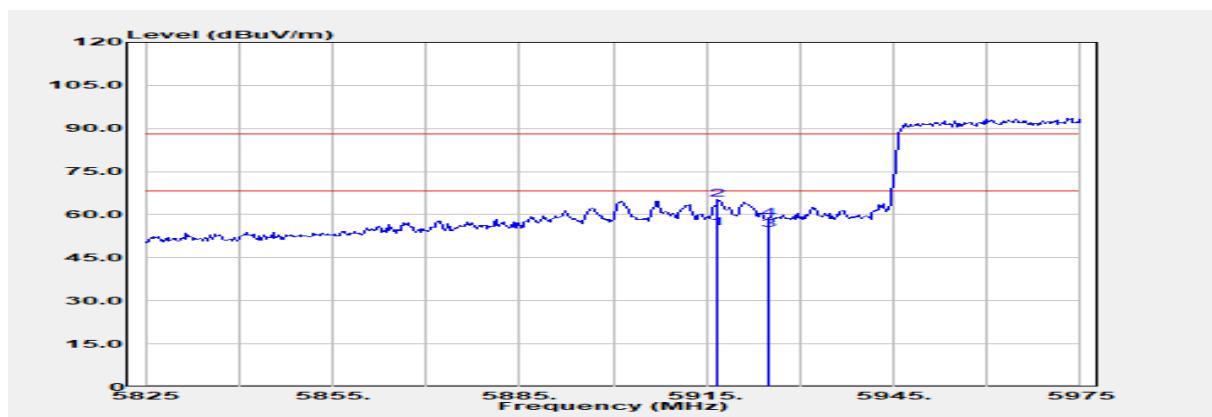
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Report Number :TERF2204000208E2
Operation Mode :802.11ax160
Test Frequency :6025 MHz
Test Mode :BE CH LOW FULL RU
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5916.827 | Average | 42.96 | 12.26 | 55.22 | 68.20 | -12.98 |
| 5916.827 | Peak | 53.03 | 12.26 | 65.29 | 88.20 | -22.91 |
| 5925.000 | Average | 42.46 | 12.22 | 54.68 | 68.20 | -13.52 |
| 5925.000 | Peak | 46.51 | 12.22 | 58.73 | 88.20 | -29.47 |

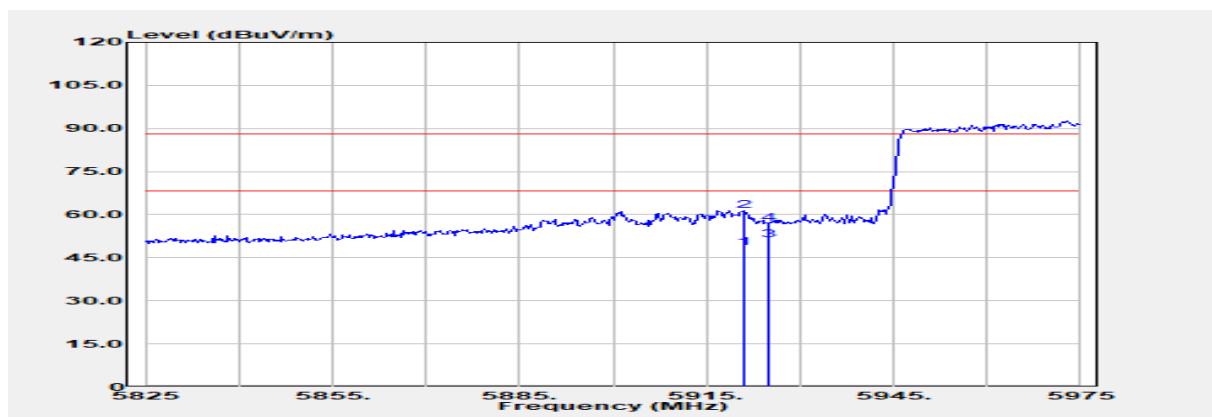
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax160
 Test Frequency :6025 MHz
 Test Mode :BE CH LOW FULL RU
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5920.914 | Average | 36.25 | 12.24 | 48.49 | 68.20 | -19.71 |
| 5920.914 | Peak | 49.17 | 12.24 | 61.41 | 88.20 | -26.79 |
| 5925.000 | Average | 38.82 | 12.22 | 51.04 | 68.20 | -17.16 |
| 5925.000 | Peak | 44.66 | 12.22 | 56.88 | 88.20 | -31.32 |

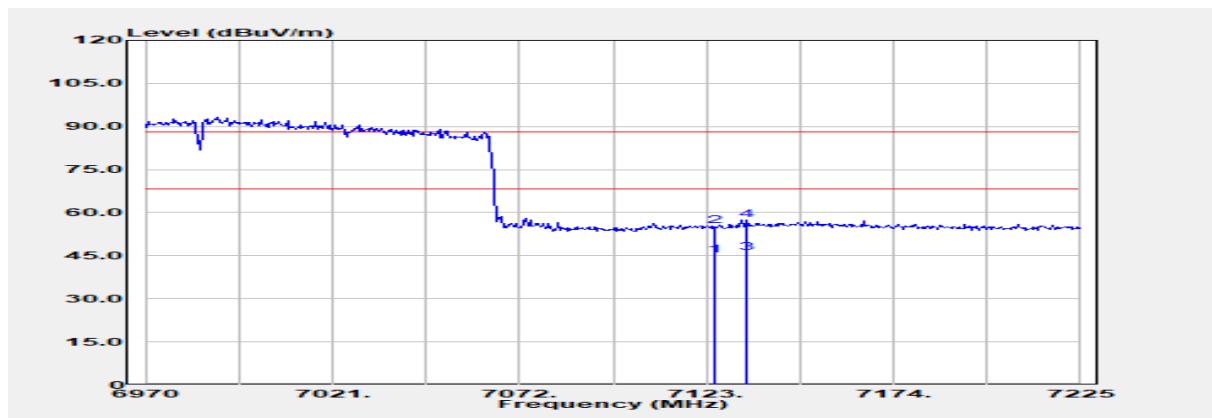
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Report Number :TERF2204000208E2
Operation Mode :802.11ax160
Test Frequency :6985 MHz
Test Mode :BE CH HIGH FULL RU
EUT Pol :NB Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-15
Temp./Humi. :21.1/68
Antenna Pol. :Vertical
Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|--|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 27.67 | 17.58 | 45.25 | 68.20 | -22.95 |
| 7125.000 | Peak | 37.62 | 17.58 | 55.20 | 88.20 | -33.00 |
| 7133.870 | Average | 27.96 | 17.93 | 45.89 | 68.20 | -22.31 |
| 7133.870 | Peak | 39.53 | 17.93 | 57.46 | 88.20 | -30.74 |

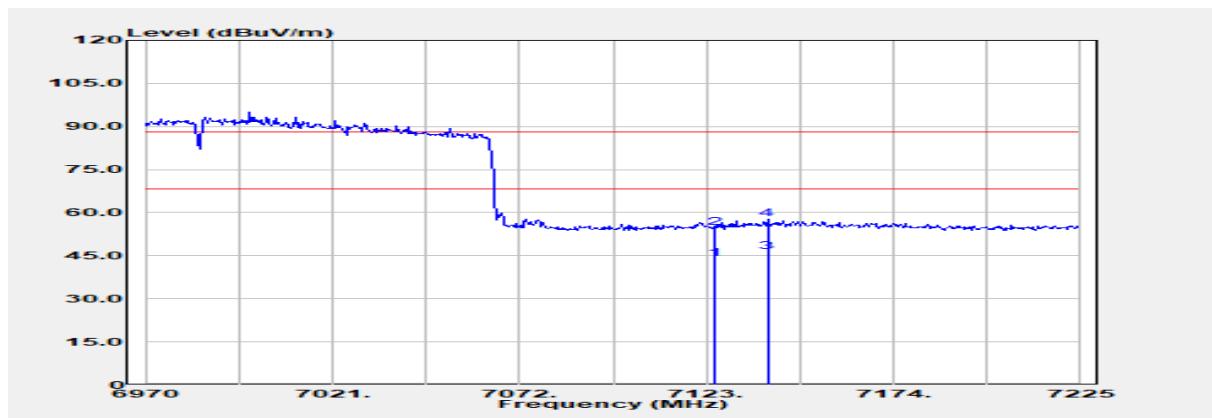
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax160
 Test Frequency :6985 MHz
 Test Mode :BE CH HIGH FULL RU
 EUT Pol :NB Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-15
 Temp./Humi. :21.1/68
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 26.40 | 17.58 | 43.98 | 68.20 | -24.22 |
| 7125.000 | Peak | 37.09 | 17.58 | 54.68 | 88.20 | -33.52 |
| 7139.591 | Average | 28.09 | 18.15 | 46.24 | 68.20 | -21.96 |
| 7139.591 | Peak | 39.49 | 18.15 | 57.64 | 88.20 | -30.56 |

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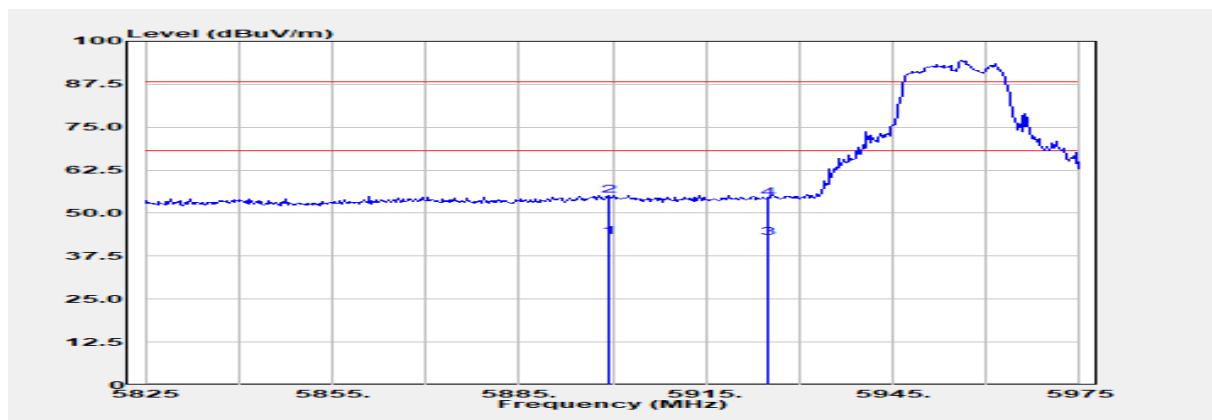
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TB

Report Number :TERF2204000208E2
 Operation Mode :802.11a
 Test Frequency :5955 MHz
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5899.279 | Average | 30.11 | 12.93 | 43.04 | 68.20 | -25.16 |
| 5899.279 | Peak | 42.30 | 12.93 | 55.23 | 88.20 | -32.97 |
| 5925.000 | Average | 29.93 | 12.98 | 42.91 | 68.20 | -25.29 |
| 5925.000 | Peak | 41.32 | 12.98 | 54.30 | 88.20 | -33.90 |

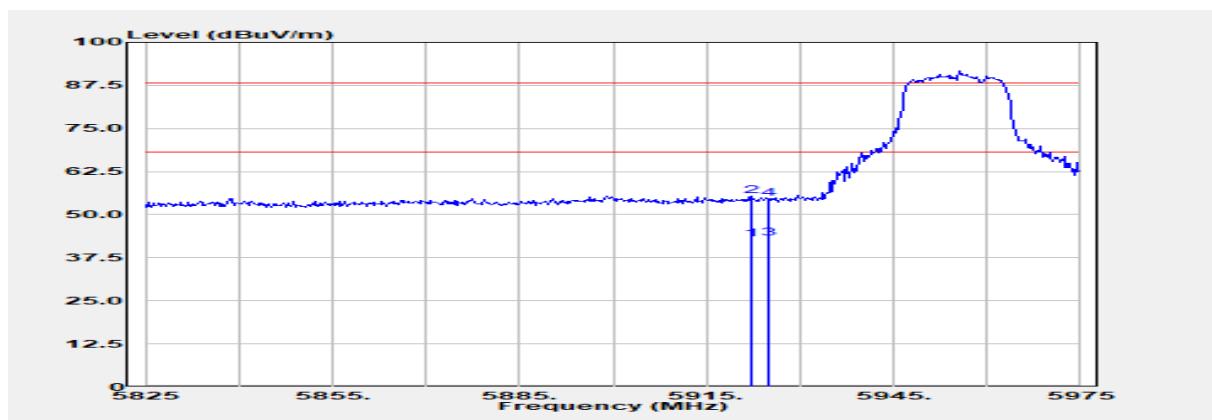
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Report Number :TERF2204000208E2
 Operation Mode :802.11a
 Test Frequency :5955 MHz
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5922.115 | Average | 30.00 | 12.86 | 42.86 | 68.20 | -25.34 |
| 5922.115 | Peak | 42.52 | 12.86 | 55.38 | 88.20 | -32.82 |
| 5925.000 | Average | 30.15 | 12.98 | 43.13 | 68.20 | -25.07 |
| 5925.000 | Peak | 41.64 | 12.98 | 54.62 | 88.20 | -33.58 |

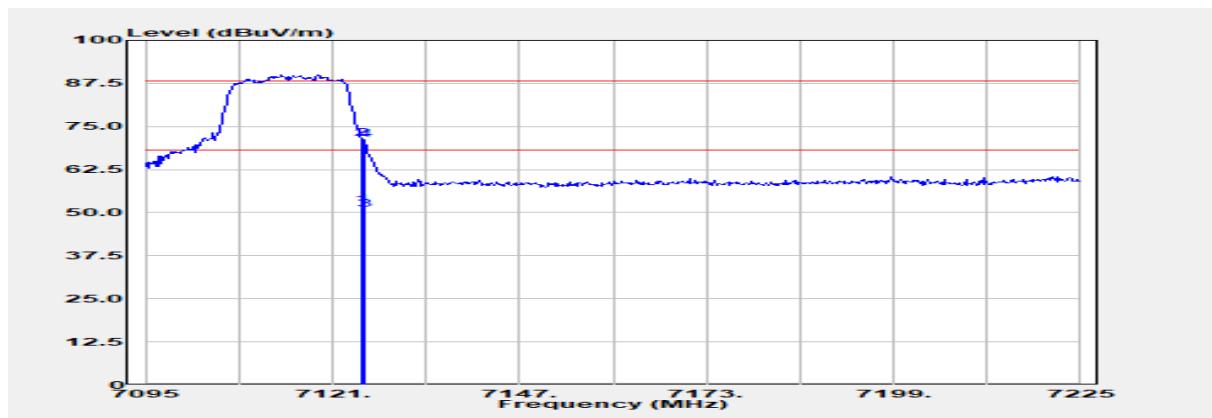
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Report Number :TERF2204000208E2
 Operation Mode :802.11a
 Test Frequency :7115 MHz
 Test Mode :BE CH HIGH
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 35.61 | 16.42 | 52.03 | 68.20 | -16.17 |
| 7125.000 | Peak | 54.94 | 16.42 | 71.36 | 88.20 | -16.84 |
| 7125.417 | Average | 34.41 | 16.44 | 50.85 | 68.20 | -17.35 |
| 7125.417 | Peak | 54.80 | 16.44 | 71.24 | 88.20 | -16.96 |

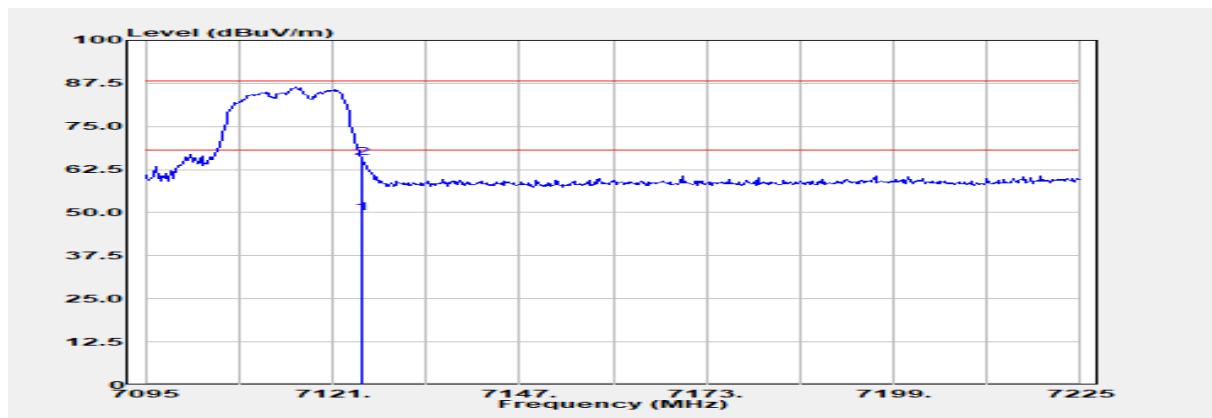
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Report Number :TERF2204000208E2
Operation Mode :802.11a
Test Frequency :7115 MHz
Test Mode :BE CH HIGH
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-14
Temp./Humi. :21.8/70
Antenna Pol. :Horizontal
Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 33.42 | 16.42 | 49.84 | 68.20 | -18.36 |
| 7125.000 | Peak | 49.47 | 16.42 | 65.89 | 88.20 | -22.31 |

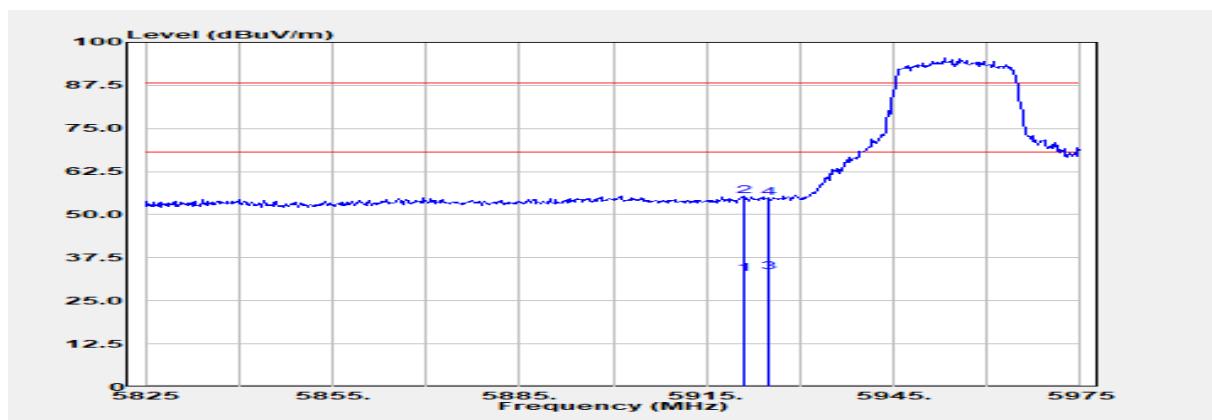
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :5955 MHz Full Ru
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5920.914 | Average | 20.10 | 12.82 | 32.92 | 68.20 | -35.28 |
| 5920.914 | Peak | 42.58 | 12.82 | 55.40 | 88.20 | -32.80 |
| 5925.000 | Average | 20.34 | 12.98 | 33.32 | 68.20 | -34.88 |
| 5925.000 | Peak | 41.99 | 12.98 | 54.98 | 88.20 | -33.22 |

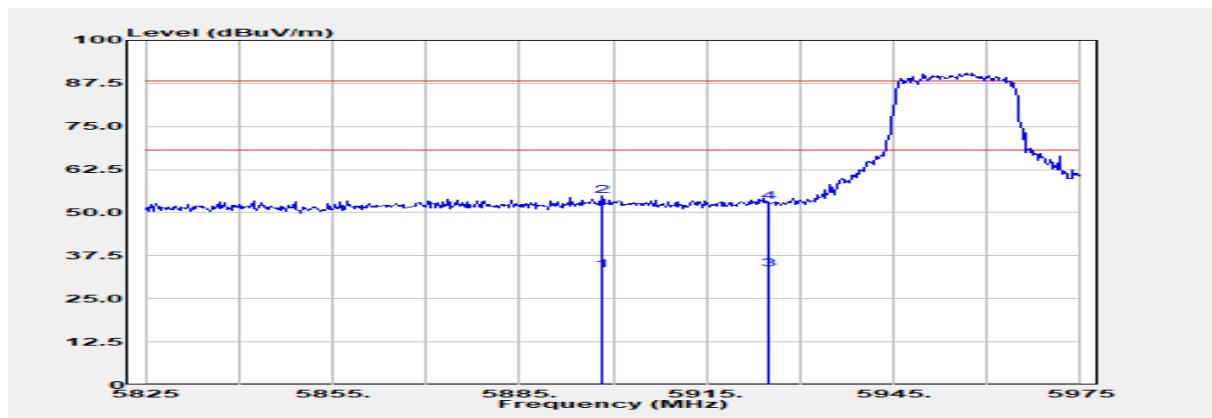
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :5955 MHz Full Ru
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5898.317 | Average | 20.38 | 12.85 | 33.23 | 68.20 | -34.97 |
| 5898.317 | Peak | 42.05 | 12.85 | 54.90 | 88.20 | -33.30 |
| 5925.000 | Average | 20.52 | 12.98 | 33.50 | 68.20 | -34.70 |
| 5925.000 | Peak | 40.21 | 12.98 | 53.19 | 88.20 | -35.01 |

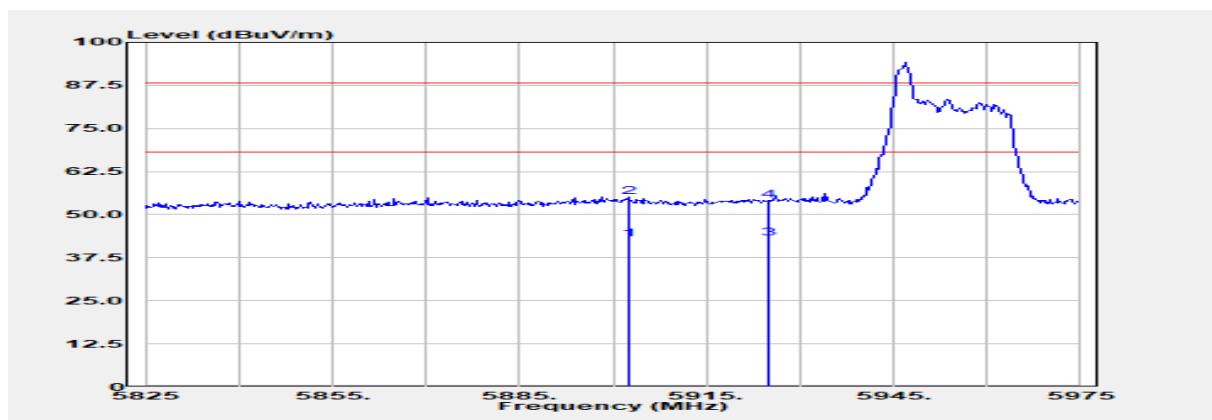
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :5955 MHz 26/0
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5902.404 | Average | 30.02 | 12.79 | 42.81 | 68.20 | -25.39 |
| 5902.404 | Peak | 42.25 | 12.79 | 55.04 | 88.20 | -33.16 |
| 5925.000 | Average | 30.02 | 12.98 | 43.00 | 68.20 | -25.20 |
| 5925.000 | Peak | 41.06 | 12.98 | 54.04 | 88.20 | -34.16 |

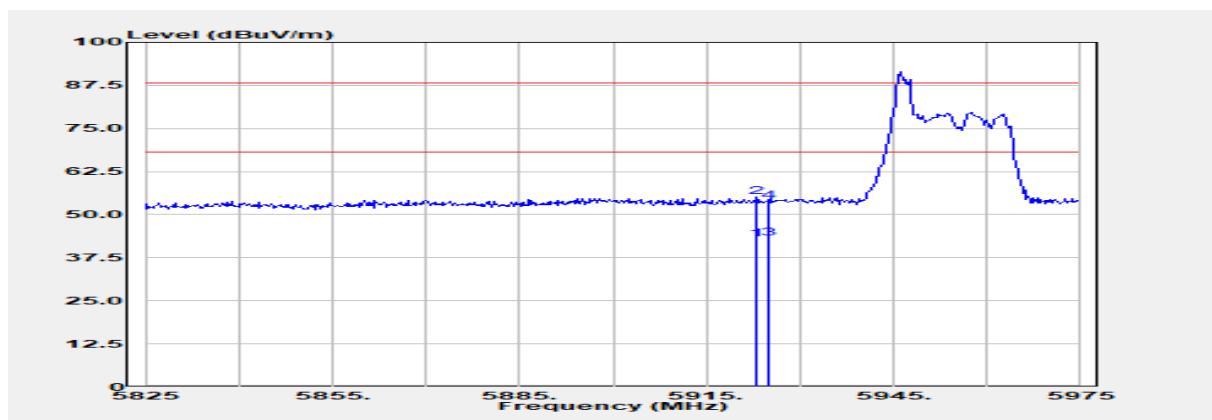
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :5955 MHz 26/0
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5923.077 | Average | 29.95 | 12.90 | 42.85 | 68.20 | -25.35 |
| 5923.077 | Peak | 42.35 | 12.90 | 55.25 | 88.20 | -32.95 |
| 5925.000 | Average | 30.06 | 12.98 | 43.04 | 68.20 | -25.16 |
| 5925.000 | Peak | 40.92 | 12.98 | 53.90 | 88.20 | -34.30 |

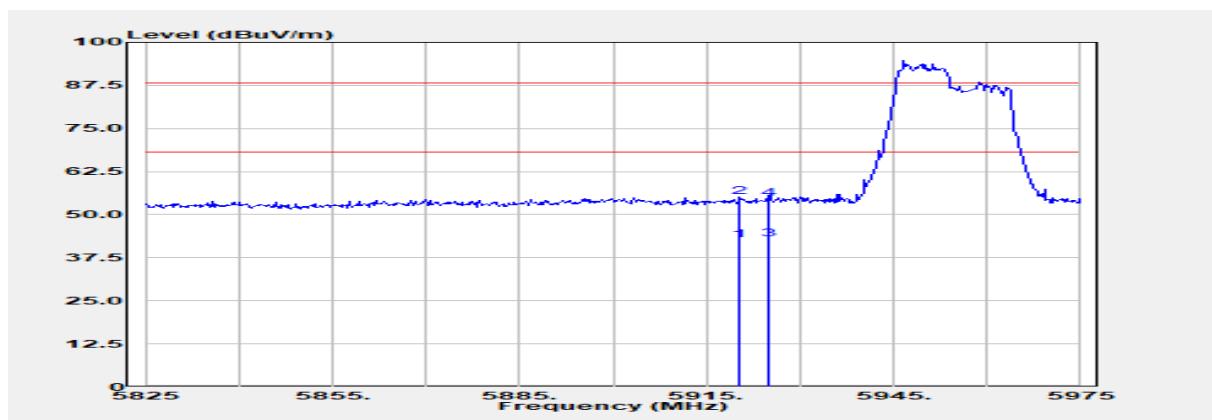
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :5955 MHz 106/53
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5920.433 | Average | 29.91 | 12.80 | 42.71 | 68.20 | -25.49 |
| 5920.433 | Peak | 42.30 | 12.80 | 55.10 | 88.20 | -33.10 |
| 5925.000 | Average | 30.00 | 12.98 | 42.98 | 68.20 | -25.22 |
| 5925.000 | Peak | 41.54 | 12.98 | 54.52 | 88.20 | -33.68 |

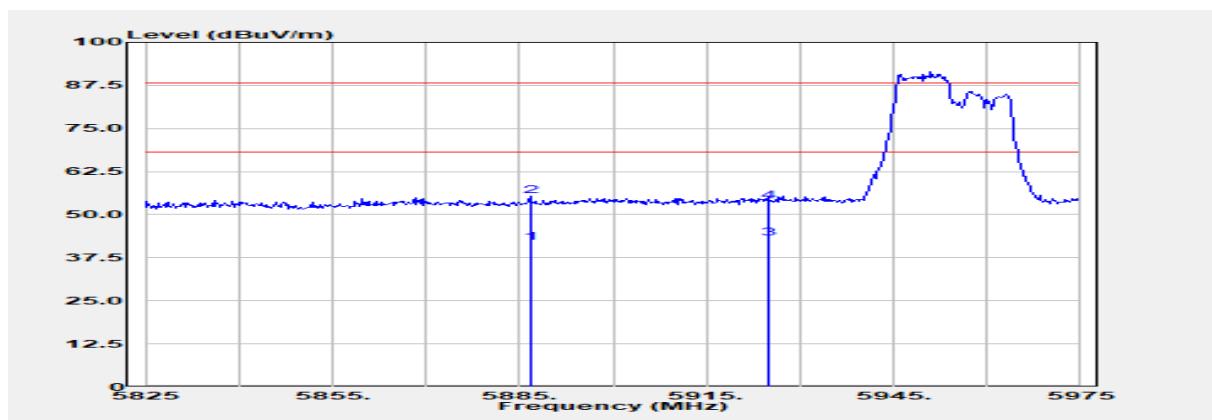
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :5955 MHz 106/53
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5886.779 | Average | 29.81 | 12.07 | 41.88 | 68.20 | -26.32 |
| 5886.779 | Peak | 43.23 | 12.07 | 55.30 | 88.20 | -32.90 |
| 5925.000 | Average | 30.11 | 12.98 | 43.09 | 68.20 | -25.11 |
| 5925.000 | Peak | 40.84 | 12.98 | 53.83 | 88.20 | -34.37 |

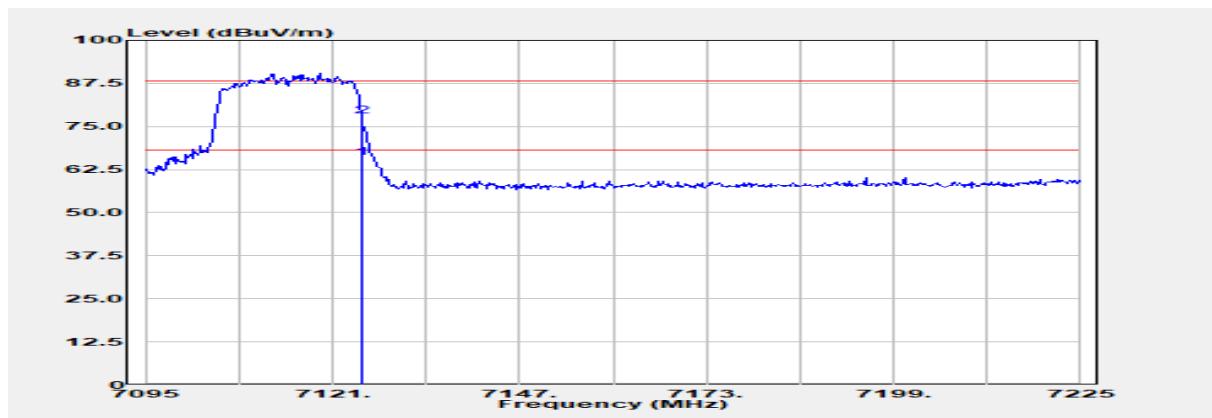
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :7115 MHz Full Ru
 Test Mode :BE CH HIGH
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 49.59 | 16.42 | 66.01 | 68.20 | -2.19 |
| 7125.000 | Peak | 61.63 | 16.42 | 78.05 | 88.20 | -10.15 |

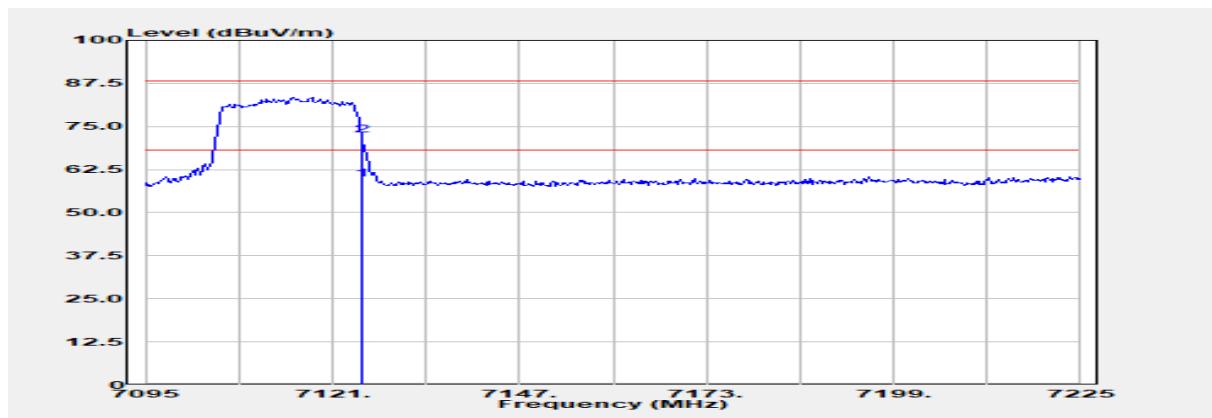
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :7115 MHz Full Ru
 Test Mode :BE CH HIGH
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 43.31 | 16.42 | 59.73 | 68.20 | -8.47 |
| 7125.000 | Peak | 56.09 | 16.42 | 72.51 | 88.20 | -15.69 |

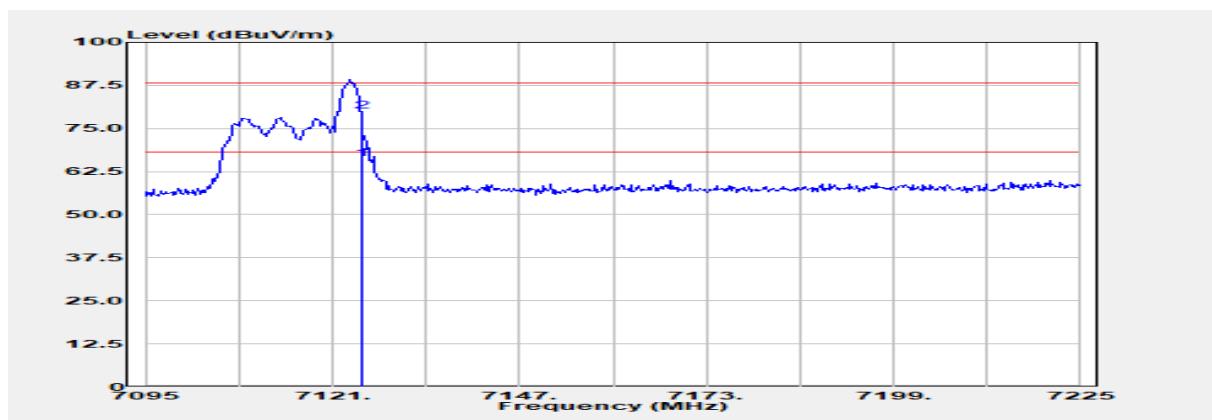
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Report Number :TERF2204000208E2
Operation Mode :802.11ax20
Test Frequency :7115 MHz 26/8
Test Mode :BE CH HIGH
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-14
Temp./Humi. :21.8/70
Antenna Pol. :Vertical
Engineer :Temo Chen



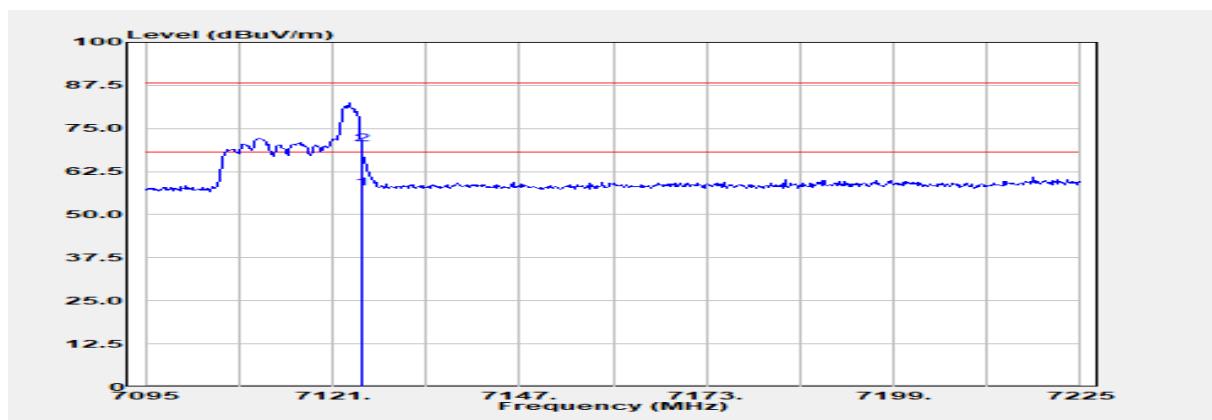
| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 49.77 | 16.42 | 66.19 | 68.20 | -2.01 |
| 7125.000 | Peak | 63.53 | 16.42 | 79.95 | 88.20 | -8.25 |

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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :7115 MHz 26/8
 Test Mode :BE CH HIGH
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 41.29 | 16.42 | 57.71 | 68.20 | -10.49 |
| 7125.000 | Peak | 54.04 | 16.42 | 70.46 | 88.20 | -17.74 |

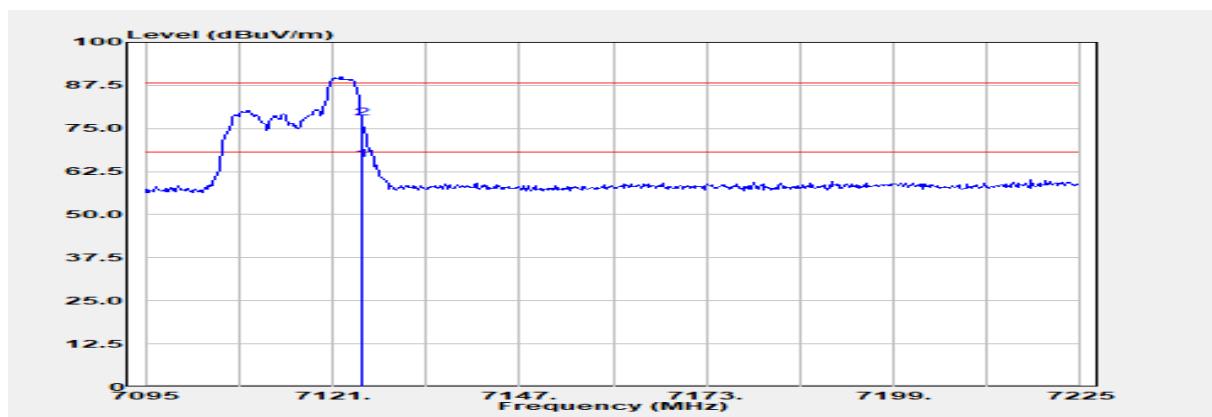
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax20
 Test Frequency :7115 MHz 52/40
 Test Mode :BE CH HIGH
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 49.62 | 16.42 | 66.04 | 68.20 | -2.16 |
| 7125.000 | Peak | 61.58 | 16.42 | 78.00 | 88.20 | -10.20 |

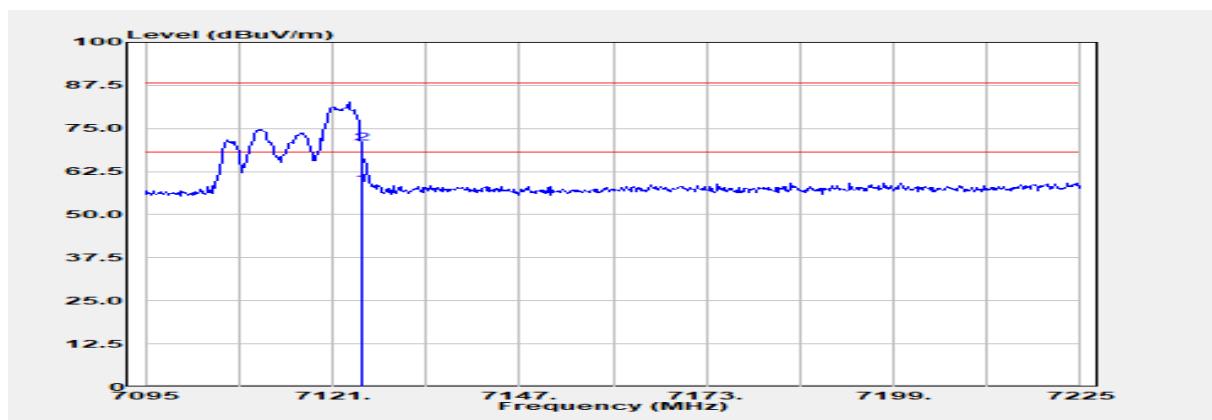
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Report Number :TERF2204000208E2
Operation Mode :802.11ax20
Test Frequency :7115 MHz 52/40
Test Mode :BE CH HIGH
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-14
Temp./Humi. :21.8/70
Antenna Pol. :Horizontal
Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 42.18 | 16.42 | 58.60 | 68.20 | -9.60 |
| 7125.000 | Peak | 54.22 | 16.42 | 70.64 | 88.20 | -17.56 |

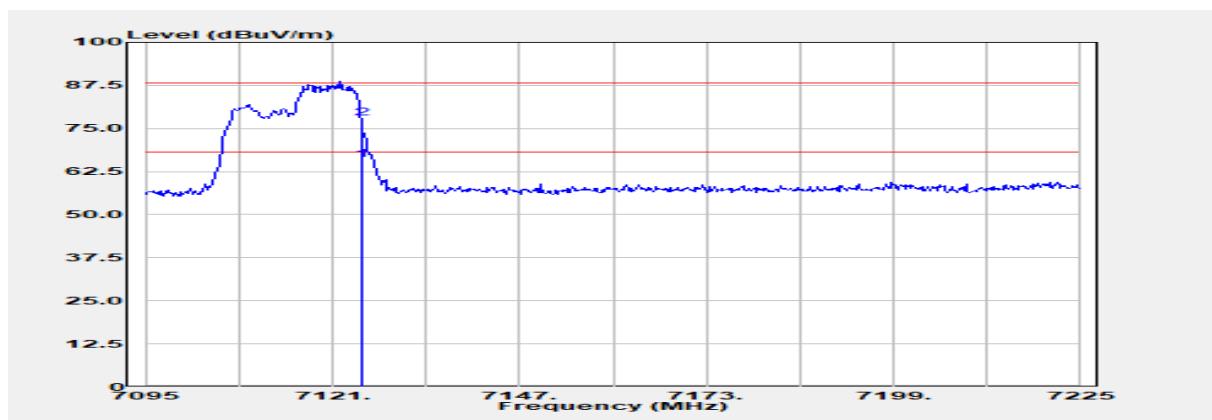
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Report Number :TERF2204000208E2
Operation Mode :802.11ax20
Test Frequency :7115 MHz 106/54
Test Mode :BE CH HIGH
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-14
Temp./Humi. :21.8/70
Antenna Pol. :Vertical
Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 49.39 | 16.42 | 65.81 | 68.20 | -2.39 |
| 7125.000 | Peak | 61.49 | 16.42 | 77.91 | 88.20 | -10.29 |

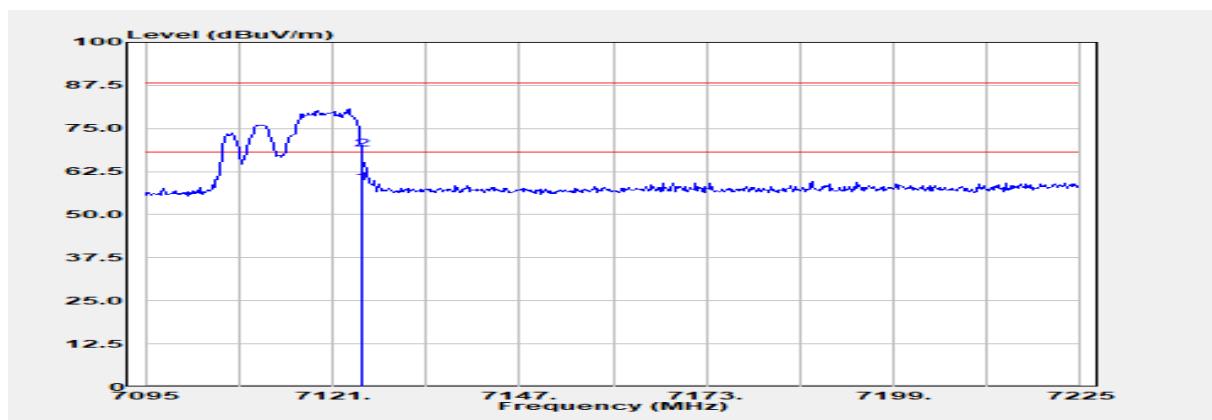
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Report Number :TERF2204000208E2
Operation Mode :802.11ax20
Test Frequency :7115 MHz 106/54
Test Mode :BE CH HIGH
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-14
Temp./Humi. :21.8/70
Antenna Pol. :Horizontal
Engineer :Temo Chen



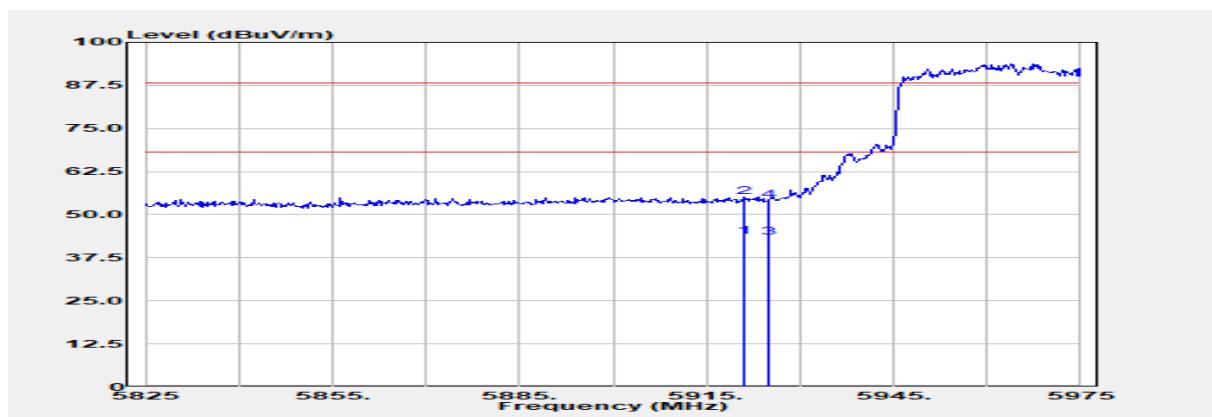
| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 42.75 | 16.42 | 59.17 | 68.20 | -9.03 |
| 7125.000 | Peak | 52.39 | 16.42 | 68.80 | 88.20 | -19.40 |

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Report Number :TERF2204000208E2
 Operation Mode :802.11ax40
 Test Frequency :5965 MHz Full Ru
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5920.914 | Average | 30.67 | 12.82 | 43.49 | 68.20 | -24.71 |
| 5920.914 | Peak | 42.36 | 12.82 | 55.17 | 88.20 | -33.03 |
| 5925.000 | Average | 30.44 | 12.98 | 43.42 | 68.20 | -24.78 |
| 5925.000 | Peak | 41.13 | 12.98 | 54.11 | 88.20 | -34.09 |

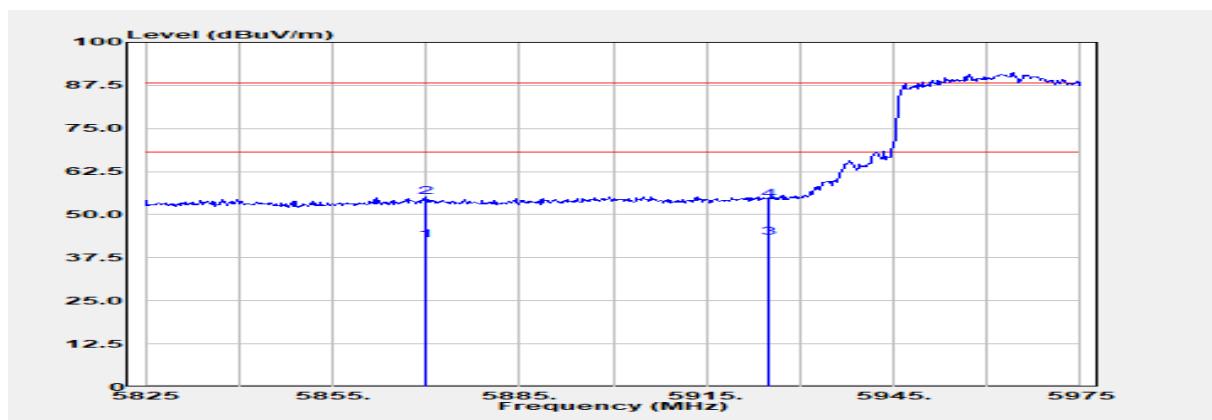
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Report Number :TERF2204000208E2
Operation Mode :802.11ax40
Test Frequency :5965 MHz Full Ru
Test Mode :BE CH LOW
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-14
Temp./Humi. :21.8/70
Antenna Pol. :Horizontal
Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5869.952 | Average | 30.41 | 12.32 | 42.73 | 68.20 | -25.47 |
| 5869.952 | Peak | 42.93 | 12.32 | 55.25 | 88.20 | -32.95 |
| 5925.000 | Average | 30.43 | 12.98 | 43.41 | 68.20 | -24.79 |
| 5925.000 | Peak | 41.48 | 12.98 | 54.46 | 88.20 | -33.74 |

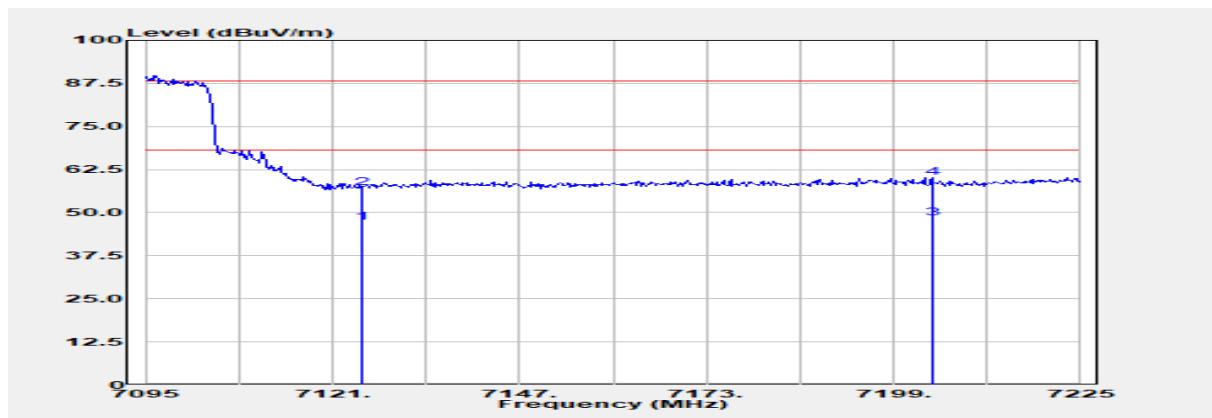
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax40
 Test Frequency :7085 MHz Full Ru
 Test Mode :BE CH HIGH
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 30.66 | 16.42 | 47.08 | 68.20 | -21.12 |
| 7125.000 | Peak | 40.79 | 16.42 | 57.21 | 88.20 | -30.99 |
| 7204.375 | Average | 31.05 | 17.38 | 48.43 | 68.20 | -19.77 |
| 7204.375 | Peak | 42.83 | 17.38 | 60.21 | 88.20 | -27.99 |

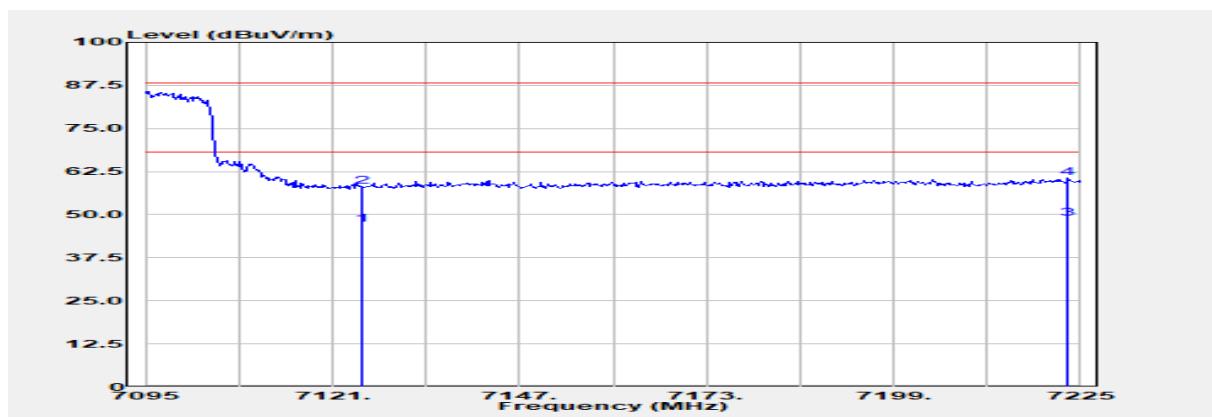
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Report Number :TERF2204000208E2
Operation Mode :802.11ax40
Test Frequency :7085 MHz Full Ru
Test Mode :BE CH HIGH
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-14
Temp./Humi. :21.8/70
Antenna Pol. :Horizontal
Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 30.73 | 16.42 | 47.15 | 68.20 | -21.05 |
| 7125.000 | Peak | 41.74 | 16.42 | 58.16 | 88.20 | -30.04 |
| 7223.333 | Average | 30.78 | 18.13 | 48.91 | 68.20 | -19.29 |
| 7223.333 | Peak | 42.41 | 18.13 | 60.54 | 88.20 | -27.66 |

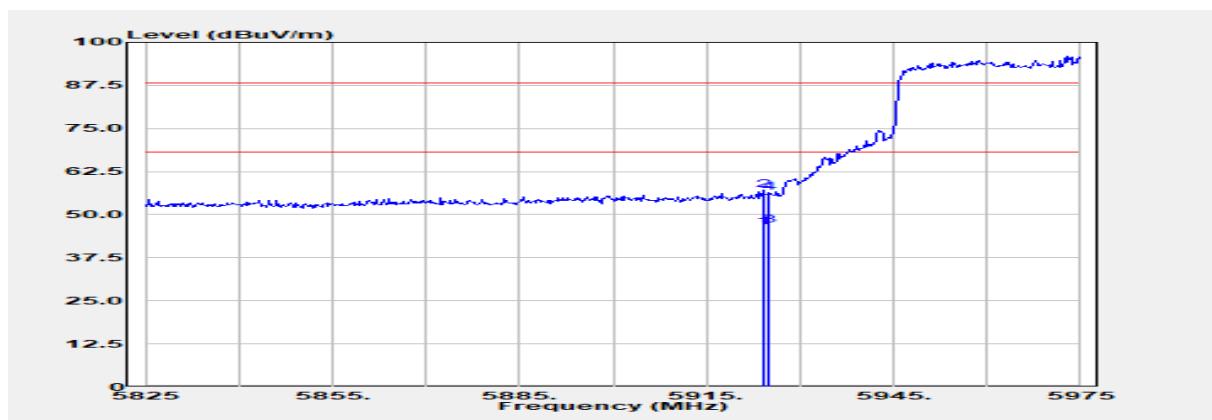
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax80
 Test Frequency :5985 MHz Full Ru
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5924.039 | Average | 33.53 | 12.94 | 46.47 | 68.20 | -21.73 |
| 5924.039 | Peak | 44.21 | 12.94 | 57.15 | 88.20 | -31.05 |
| 5925.000 | Average | 33.98 | 12.98 | 46.96 | 68.20 | -21.24 |
| 5925.000 | Peak | 43.36 | 12.98 | 56.34 | 88.20 | -31.86 |

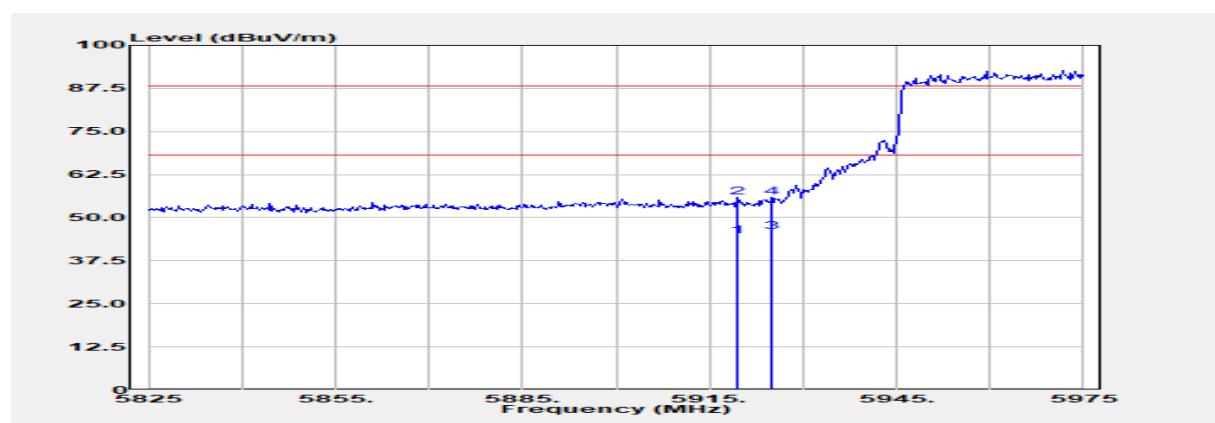
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Report Number :TERF2204000208E2
Operation Mode :802.11ax80
Test Frequency :5985 MHz Full Ru
Test Mode :BE CH LOW
EUT Pol :E1 Plane
Ant :MIMO

Test Site :SAC C
Test Date :2022-04-14
Temp./Humi. :21.8/70
Antenna Pol. :Horizontal
Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5919.471 | Average | 31.94 | 12.75 | 44.68 | 68.20 | -23.52 |
| 5919.471 | Peak | 43.18 | 12.75 | 55.93 | 88.20 | -32.27 |
| 5925.000 | Average | 32.92 | 12.98 | 45.90 | 68.20 | -22.30 |
| 5925.000 | Peak | 42.88 | 12.98 | 55.87 | 88.20 | -32.33 |

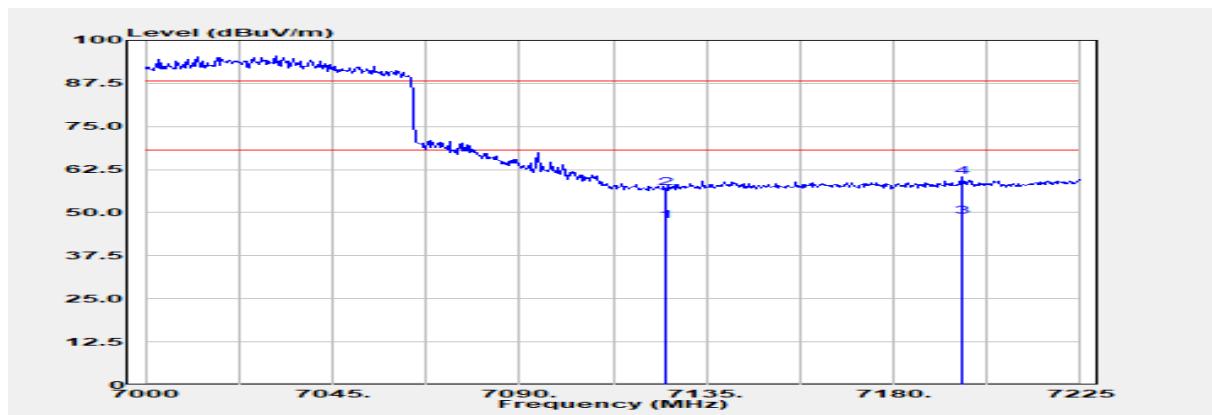
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax80
 Test Frequency :7025 MHz Full Ru
 Test Mode :BE CH HIGH
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 31.25 | 16.42 | 47.67 | 68.20 | -20.53 |
| 7125.000 | Peak | 40.79 | 16.42 | 57.21 | 88.20 | -30.99 |
| 7196.515 | Average | 31.27 | 17.51 | 48.78 | 68.20 | -19.42 |
| 7196.515 | Peak | 42.77 | 17.51 | 60.28 | 88.20 | -27.92 |

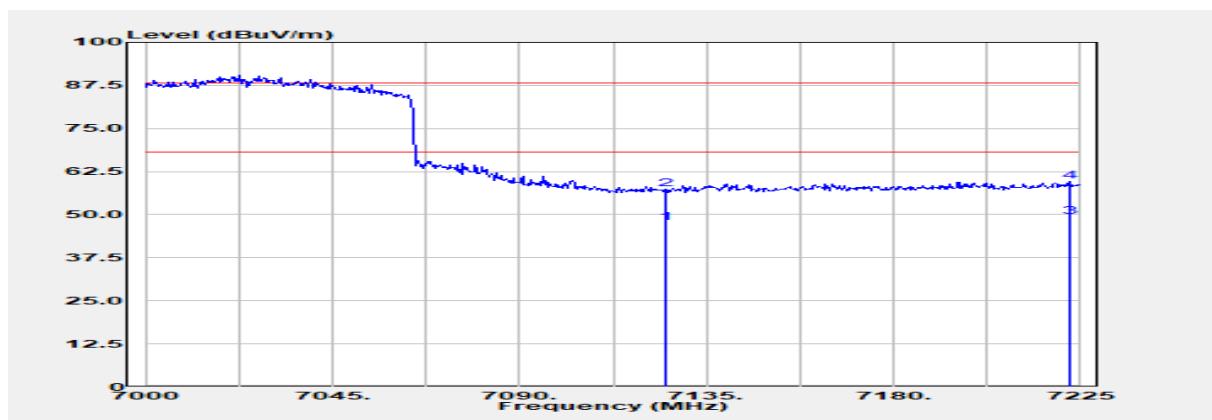
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax80
 Test Frequency :7025 MHz Full Ru
 Test Mode :BE CH HIGH
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 31.09 | 16.42 | 47.51 | 68.20 | -20.69 |
| 7125.000 | Peak | 40.94 | 16.42 | 57.36 | 88.20 | -30.84 |
| 7222.476 | Average | 31.32 | 18.13 | 49.45 | 68.20 | -18.75 |
| 7222.476 | Peak | 41.44 | 18.13 | 59.57 | 88.20 | -28.63 |

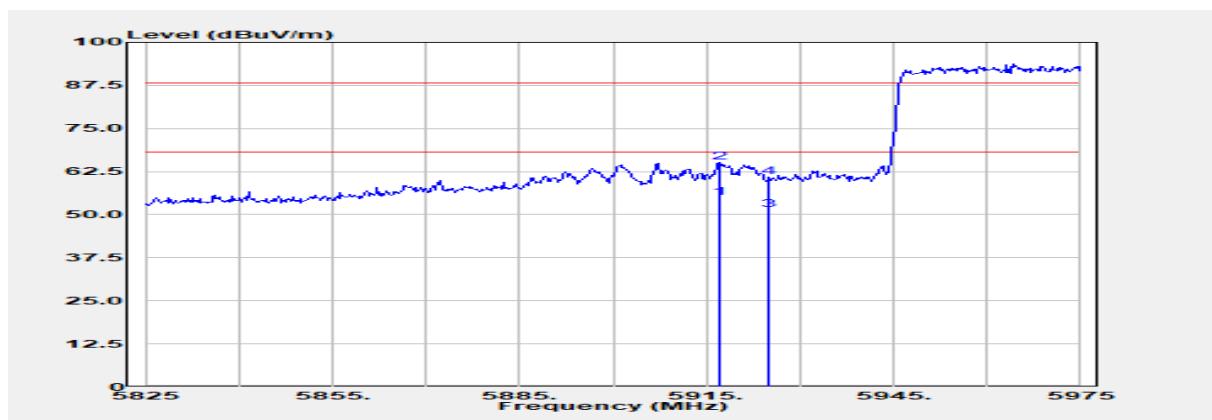
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax160
 Test Frequency :6025 MHz Full Ru
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5917.067 | Average | 42.18 | 12.61 | 54.79 | 68.20 | -13.41 |
| 5917.067 | Peak | 52.62 | 12.61 | 65.22 | 88.20 | -22.98 |
| 5925.000 | Average | 38.44 | 12.98 | 51.42 | 68.20 | -16.78 |
| 5925.000 | Peak | 48.01 | 12.98 | 60.99 | 88.20 | -27.21 |

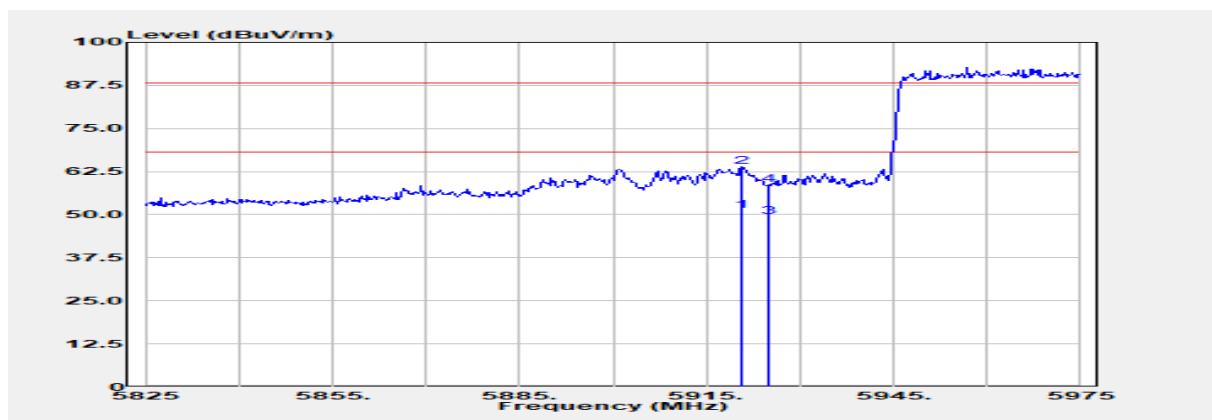
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax160
 Test Frequency :6025 MHz Full Ru
 Test Mode :BE CH LOW
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 5920.673 | Average | 38.33 | 12.81 | 51.14 | 68.20 | -17.06 |
| 5920.673 | Peak | 51.09 | 12.81 | 63.90 | 88.20 | -24.30 |
| 5925.000 | Average | 36.40 | 12.98 | 49.38 | 68.20 | -18.82 |
| 5925.000 | Peak | 45.70 | 12.98 | 58.68 | 88.20 | -29.52 |

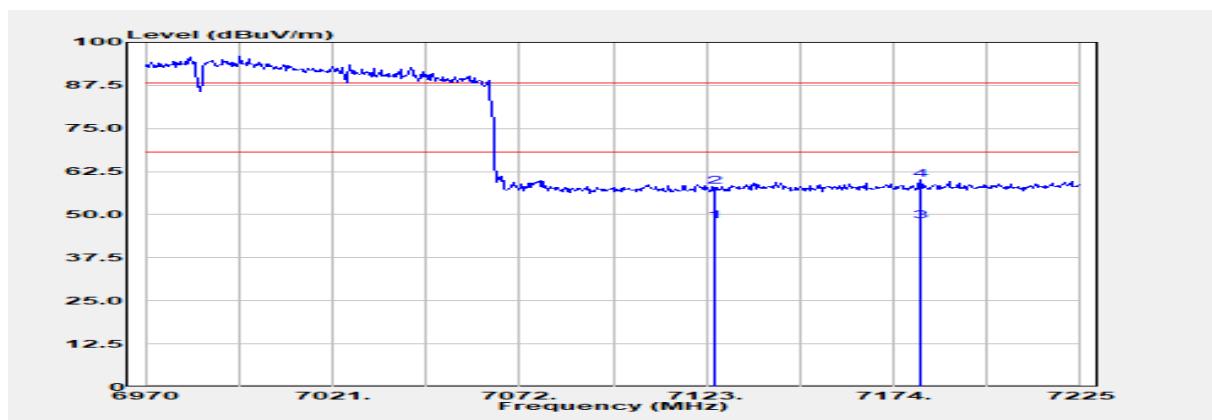
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax160
 Test Frequency :6985 MHz Full Ru
 Test Mode :BE CH HIGH
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Vertical
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 31.66 | 16.42 | 48.08 | 68.20 | -20.12 |
| 7125.000 | Peak | 41.68 | 16.42 | 58.09 | 88.20 | -30.11 |
| 7181.274 | Average | 31.12 | 16.94 | 48.06 | 68.20 | -20.14 |
| 7181.274 | Peak | 43.19 | 16.94 | 60.13 | 88.20 | -28.07 |

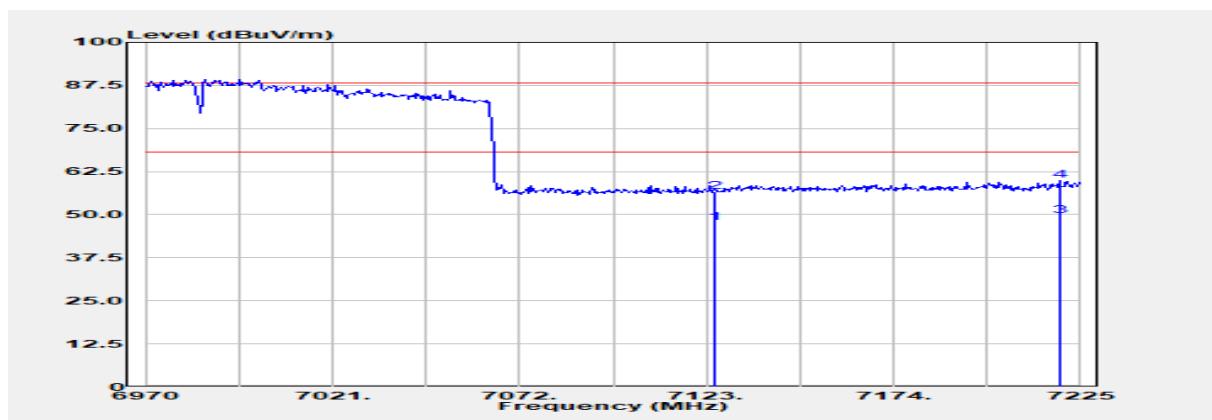
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Report Number :TERF2204000208E2
 Operation Mode :802.11ax160
 Test Frequency :6985 MHz Full Ru
 Test Mode :BE CH HIGH
 EUT Pol :E1 Plane
 Ant :MIMO

Test Site :SAC C
 Test Date :2022-04-14
 Temp./Humi. :21.8/70
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 7125.000 | Average | 31.13 | 16.42 | 47.55 | 68.20 | -20.65 |
| 7125.000 | Peak | 40.28 | 16.42 | 56.70 | 88.20 | -31.50 |
| 7219.279 | Average | 31.66 | 18.02 | 49.68 | 68.20 | -18.52 |
| 7219.279 | Peak | 41.87 | 18.02 | 59.89 | 88.20 | -28.31 |

~ End of Report ~

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