

ELECTROMAGNETIC EMISSIONS  
COMPLIANCE TEST REPORT

**Applicant:** CASTLES TECHNOLOGY CO., LTD.  
6F, NO. 207-5, SEC. 3, BEIXIN RD., XINDIAN DISTRICT,  
NEW TAIPEI CITY 231030, TAIWAN (R.O.C)

**Manufacturer:** CASTLES TECHNOLOGY CO., LTD.  
6F, NO. 207-5, SEC. 3, BEIXIN RD., XINDIAN DISTRICT,  
NEW TAIPEI CITY 231030, TAIWAN (R.O.C)

**Product Name:** Smart module

**Brand Name:** 

**Model No.:** SLM500

**Report Number:** TERF2408002261E2

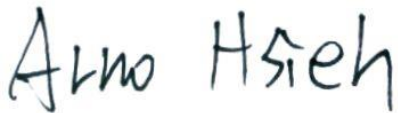
**FCC ID** WIYSLM500QA

**IC:** 27350-SLM500QA

**Date of EUT Received:** August 1, 2024

**Date of Test:** August 12, 2024 ~ September 3, 2024

**Issue Date:** October 8, 2024

Approved By   
Arno Hsieh

**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, ISSED RSS-247.

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 |
| TERF2408002261E2 | 00       | Original                               | September 5, 2024 | Susan Lin  |        |
| TERF2408002261E2 | 01       | Update section 8.2 and remove VHT data | October 8, 2024   | Susan Lin  | *      |
|                  |          |                                        |                   |            |        |
|                  |          |                                        |                   |            |        |
|                  |          |                                        |                   |            |        |
|                  |          |                                        |                   |            |        |
|                  |          |                                        |                   |            |        |

- Note:**
- The remark "\*" indicates modification of the report upon requests from certification body.

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## 1 GENERAL INFORMATION

### 1.1 Product Description

|                               |                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------|
| Product Name:                 | Smart module                                                                      |
| Brand Name:                   |  |
| Model No.:                    | SLM500                                                                            |
| Hardware Version:             | V1F.00                                                                            |
| Firmware Version:             | N/A                                                                               |
| EUT Series No.:               | 196242025224                                                                      |
| Product Name of Host:         | POS Terminal                                                                      |
| Brand Name of Host:           |  |
| Model No. of Host:            | S1E2-UPT                                                                          |
| Power Supply:                 | 9Vdc from Adapter                                                                 |
| Test Software (Name/Version): | Qualcomm Radio Control Tool 4.0.00161.0                                           |

### 1.2 Modulation & Data Rate

|                  |                                                   |
|------------------|---------------------------------------------------|
| Modulation type: | 64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11a, 11n |
| Transition Rate: | 802.11 a: 6 - 54 Mbps                             |
|                  | 802.11 n_HT20: up to 72.2 Mbps                    |
|                  | 802.11 n_HT40: up to 150 Mbps                     |

### 1.3 Antenna Designation

| Antenna Type | Supplier                         | Antenna Part No. | Freq. (MHz) | Peak Antenna Gain (dBi) |
|--------------|----------------------------------|------------------|-------------|-------------------------|
| Dipole       | ADVANCED WIRELESS & ANTENNA INC. | S1E2-UPT-WiFi    | 5150~5250   | 1.89                    |
|              |                                  |                  | 5250~5350   | 2.23                    |
|              |                                  |                  | 5470~5725   | 1.54                    |
|              |                                  |                  | 5725~5850   | 0.98                    |

**Note:** Antenna information is provided by the applicant.

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## 1.4 FCC

| Wi-Fi                    | Frequency Range | Channels | Rated Power(Avg)<br>(dBm) (Worst Case) | Modulation<br>Technology |
|--------------------------|-----------------|----------|----------------------------------------|--------------------------|
| 802.11a/<br>802.11n_HT20 | 5180~5240       | 4        | 13.89 dBm                              | OFDM                     |
|                          | 5260~5320       | 4        | 14.32 dBm                              | OFDM                     |
|                          | 5500~5700       | 11       | 14.48 dBm                              | OFDM                     |
|                          | 5745-5825       | 5        | 14.25 dBm                              | OFDM                     |
| 802.11n_HT40             | 5190~5230       | 2        | 13.05 dBm                              | OFDM                     |
|                          | 5270~5310       | 2        | 13.31 dBm                              | OFDM                     |
|                          | 5510~5670       | 5        | 14.89 dBm                              | OFDM                     |
|                          | 5755-5795       | 2        | 14.22 dBm                              | OFDM                     |

## 1.5 ISED

### WLAN 5 GHz for ISED (Slave)

| Wi-Fi                    | Frequency Range | Channels | EIRP/Avg | Rated Power(EIRP/Avg)<br>(dBm) (Worst Case) | Modulation<br>Technology |
|--------------------------|-----------------|----------|----------|---------------------------------------------|--------------------------|
| 802.11a/<br>802.11n_HT20 | 5180~5240       | 4        | EIRP     | 15.78 dBm                                   | OFDM                     |
|                          | 5260~5320       | 4        | Avg      | 14.32 dBm                                   | OFDM                     |
|                          | 5500~5700       | 8        | Avg      | 14.48 dBm                                   | OFDM                     |
|                          | 5745-5825       | 5        | Avg      | 14.25 dBm                                   | OFDM                     |
| 802.11n_HT40             | 5190~5230       | 2        | EIRP     | 14.94 dBm                                   | OFDM                     |
|                          | 5270~5310       | 2        | Avg      | 13.31 dBm                                   | OFDM                     |
|                          | 5510~5670       | 3        | Avg      | 14.89 dBm                                   | OFDM                     |
|                          | 5755-5795       | 2        | Avg      | 14.22 dBm                                   | OFDM                     |

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## 1.6 Test Methodology of Applied Standards

FCC Part 15, Subpart E §15.407  
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01  
FCC KDB 662911 D01 Multiple Transmitter Output v02r01  
RSS-247 issue 3 Aug. 2023  
RSS-Gen, Issue 5 April 2018  
ANSI C63.10:2013

## 1.7 Test Facility

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

**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.

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## 1.8 Special Accessories

There are no special accessories used while test was conducted.

## 1.9 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 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.

#### 2.3.2 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.

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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

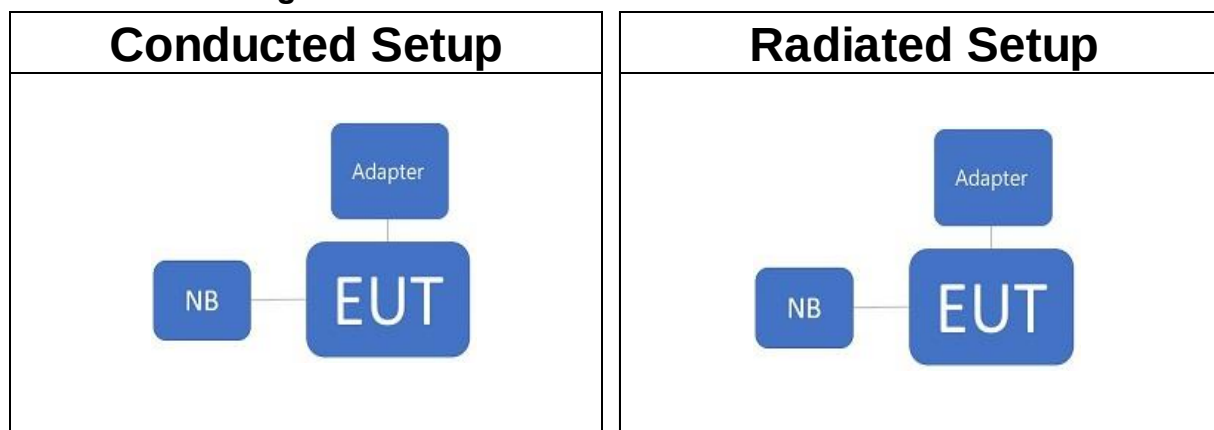
Radiated emission below 30MHz is measured in a 9m\*6m\*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

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



## 2.6 Control Unit(s)

| Conducted Emission Test Site: Conducted D |           |                                                                                                              |               |           |          |
|-------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------|---------------|-----------|----------|
| EQUIPMENT TYPE                            | MFR       | MODEL NUMBER                                                                                                 | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| USB Cable                                 | I Max     | USB-C1200                                                                                                    | N/A           | N/A       | N/A      |
| AC Adapter                                | Castles   | PW04-945A                                                                                                    | N/A           | N/A       | N/A      |
| Cable                                     | HOMESHUN  | CABLE FOR S1U2<br>HSG 4.2PITCH 2X3P<br>FEMALE AND RJ45<br>8P8C FEMALE X2<br>TO HSG 2X10P<br>2.0PITCH L:750MM | N/A           | N/A       | N/A      |
| Cable                                     | TAI-CHING | CABLE FOR<br>MARS1000 DC JACK                                                                                | N/A           | N/A       | N/A      |
| Notebook                                  | Lenovo    | T470                                                                                                         | P0001293      | N/A       | N/A      |

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| Radiated Emission Test Site: SAC C |           |                                                                                                              |               |           |          |
|------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------|---------------|-----------|----------|
| EQUIPMENT TYPE                     | MFR       | MODEL NUMBER                                                                                                 | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| USB Cable                          | I Max     | USB-C1200                                                                                                    | N/A           | N/A       | N/A      |
| AC Adapter                         | Castles   | PW04-945A                                                                                                    | N/A           | N/A       | N/A      |
| Cable                              | HOMESHUN  | CABLE FOR S1U2<br>HSG 4.2PITCH 2X3P<br>FEMALE AND RJ45<br>8P8C FEMALE X2<br>TO HSG 2X10P<br>2.0PITCH L:750MM | N/A           | N/A       | N/A      |
| Cable                              | TAI-CHING | CABLE FOR<br>MARS1000 DC JACK                                                                                | N/A           | N/A       | N/A      |
| Notebook                           | Lenovo    | T470                                                                                                         | P0001293      | N/A       | N/A      |

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### 3 SUMMARY OF TEST RESULT

| FCC Rules                        | ISED Rules               | Description Of Test            | Result    |
|----------------------------------|--------------------------|--------------------------------|-----------|
| §15.407(a)                       | RSS-247<br>§6.2.1~ 4 (1) | Maximum Conducted Output Power | Compliant |
| §15.205<br>§15.209<br>§15.407(b) | RSS-247<br>§6.2.1~ 4 (2) | Undesirable Radiated Emissions | Compliant |

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## 4 DESCRIPTION OF TEST MODES

### 4.1 Operating Frequencies

#### Operated band in 5150 MHz ~5250 MHz:

| 20 M |            | 40 M |            |
|------|------------|------|------------|
| CH   | Freq (MHz) | CH   | Freq (MHz) |
| 36   | 5180       | 38   | 5190       |
| 40   | 5200       | 46   | 5230       |
| 44   | 5220       |      |            |
| 48   | 5240       |      |            |

#### Operated band in 5250 MHz ~5350 MHz:

| 20 M |            | 40 M |            |
|------|------------|------|------------|
| CH   | Freq (MHz) | CH   | Freq (MHz) |
| 52   | 5260       | 54   | 5270       |
| 56   | 5280       | 62   | 5310       |
| 60   | 5300       |      |            |
| 64   | 5320       |      |            |

#### Operated band in 5470 MHz ~5725 MHz:

| 20 M |            | 40 M |            |
|------|------------|------|------------|
| CH   | Freq (MHz) | CH   | Freq (MHz) |
| 100  | 5500       | 102  | 5510       |
| 104  | 5520       | 110  | 5550       |
| 108  | 5540       | 118  | 5590       |
| 112  | 5560       | 126  | 5630       |
| 116  | 5580       | 134  | 5670       |
| 120  | 5600       |      |            |
| 124  | 5620       |      |            |
| 128  | 5640       |      |            |
| 132  | 5660       |      |            |
| 136  | 5680       |      |            |
| 140  | 5700       |      |            |

#### Operated band in 5725 MHz ~5850 MHz:

| 20 M |            | 40 M |            |
|------|------------|------|------------|
| CH   | Freq (MHz) | CH   | Freq (MHz) |
| 149  | 5745       | 151  | 5755       |
| 153  | 5765       | 159  | 5795       |
| 157  | 5785       |      |            |
| 161  | 5805       |      |            |
| 165  | 5825       |      |            |

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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"/> 802.11 a | <input checked="" type="checkbox"/> Ch0 | <input type="checkbox"/> Ch1 | <input type="checkbox"/> Ch2 | <input type="checkbox"/> Ch3 | <input checked="" type="checkbox"/> 1TX  | <input type="checkbox"/> 2TX  |
| <input checked="" type="checkbox"/> 802.11 n | <input checked="" type="checkbox"/> Ch0 | <input type="checkbox"/> Ch1 | <input type="checkbox"/> Ch2 | <input type="checkbox"/> Ch3 | <input checked="" type="checkbox"/> SISO | <input type="checkbox"/> MIMO |

4. 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.

| CONDUCTED TEST |                      |                   |                |            |                  |              |
|----------------|----------------------|-------------------|----------------|------------|------------------|--------------|
| MODE           | FREQUENCY BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11a        | 5180~5240            | 36 to 48          | 36,44,48       | OFDM       | 6                | ch0          |
|                | 5260~5320            | 52 to 64          | 52,60,64       |            |                  |              |
|                | 5500~5700            | 100 to 140        | 100,116,140    |            |                  |              |
|                | 5745~5825            | 149 to 165        | 149,157,165    |            |                  |              |
| 802.11n_HT20   | 5180~5240            | 36 to 48          | 36,44,48       | OFDM       | MCS0             | ch0          |
|                | 5260~5320            | 52 to 64          | 52,60,64       |            |                  |              |
|                | 5500~5700            | 100 to 140        | 100,116,140    |            |                  |              |
|                | 5745~5825            | 149 to 165        | 149,157,165    |            |                  |              |
| 802.11n_HT40   | 5190~5230            | 38 to 46          | 38,46          | OFDM       | MCS0             | ch0          |
|                | 5270~5310            | 54 to 62          | 54,62          |            |                  |              |
|                | 5510~5670            | 102 to 134        | 102,110,134    |            |                  |              |
|                | 5755~5795            | 151 to 159        | 151,159        |            |                  |              |

| TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz) |                      |                   |                |            |                  |              |
|-----------------------------------------------|----------------------|-------------------|----------------|------------|------------------|--------------|
| MODE                                          | FREQUENCY BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11a                                       | 5180~5240            | 36 to 48          | 44             | OFDM       | 6                | ch0          |
|                                               | 5260~5320            | 52 to 64          | 60             |            |                  |              |
|                                               | 5500~5720            | 100 to 144        | 116            |            |                  |              |
|                                               | 5745~5825            | 149 to 165        | 157            |            |                  |              |

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| TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz) |                      |                   |                 |            |                  |              |
|-----------------------------------------------|----------------------|-------------------|-----------------|------------|------------------|--------------|
| MODE                                          | FREQUENCY BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL  | MODULATION | DATA RATE (Mbps) | ANTENNA PORT |
| 802.11a                                       | 5180~5240            | 36 to 48          | 36,44,48        | OFDM       | 6                | ch0          |
|                                               | 5260~5320            | 52 to 64          | 52,60,64        |            |                  |              |
|                                               | 5500~5720            | 100 to 144        | 100,116,140,144 |            |                  |              |
|                                               | 5745~5825            | 149 to 165        | 149,157,165     |            |                  |              |
| 802.11n_HT20                                  | 5180~5240            | 36 to 48          | 36,44,48        | OFDM       | MCS0             | ch0          |
|                                               | 5260~5320            | 52 to 64          | 52,60,64        |            |                  |              |
|                                               | 5500~5720            | 100 to 144        | 100,116,140,144 |            |                  |              |
|                                               | 5745~5825            | 149 to 165        | 149,157,165     |            |                  |              |
| 802.11n_HT40                                  | 5190~5230            | 38 to 46          | 38,46           | OFDM       | MCS0             | ch0          |
|                                               | 5270~5310            | 54 to 62          | 54,62           |            |                  |              |
|                                               | 5510~5710            | 102 to 142        | 102,110,134,142 |            |                  |              |
|                                               | 5755~5795            | 151 to 159        | 151,159         |            |                  |              |

**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 |
|--------------------------------|-------------|
| Output Power measurement       | +/- 0.97 dB |
| Emission Bandwidth             | +/- 1.38 Hz |
| Conducted emission measurement | +/- 0.77 dB |
| Temperature                    | +/- 0.6 °C  |
| Humidity                       | +/- 3 %     |
| DC / AC Power Source           | +/- 1 %     |

| Radiated Spurious Emission Measurement Uncertainty |     |         |                 |
|----------------------------------------------------|-----|---------|-----------------|
| Polarization: Vertical                             | +/- | 1.89 dB | 9kHz~30MHz      |
|                                                    | +/- | 4.15 dB | 30MHz - 1000MHz |
|                                                    | +/- | 3.43 dB | 1GHz - 18GHz    |
|                                                    | +/- | 3.86 dB | 18GHz - 40GHz   |
| Polarization: Horizontal                           | +/- | 1.89 dB | 9kHz~30MHz      |
|                                                    | +/- | 4.02 dB | 30MHz - 1000MHz |
|                                                    | +/- | 3.43 dB | 1GHz - 18GHz    |
|                                                    | +/- | 3.86 dB | 18GHz - 40GHz   |
| Radiated Spurious Emission                         | +/- | 2 dB    | 33GHz-50GHz     |
|                                                    | +/- | 1.59 dB | 50GHz-60GHz     |
|                                                    | +/- | 1.7 dB  | 60GHz-90GHz     |
|                                                    | +/- | 1.64 dB | 90GHz-140GHz    |
|                                                    | +/- | 3.83 dB | 140GHz-220GHz   |

### 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 D |            |                                  |               |            |            |
|-------------------------------------------|------------|----------------------------------|---------------|------------|------------|
| EQUIPMENT TYPE                            | MFR        | MODEL NUMBER                     | SERIAL NUMBER | LAST CAL.  | CAL DUE.   |
| Attenuator                                | Marvelous  | MVE2213-10                       | RF10          | 11/15/2023 | 11/14/2024 |
| DC Block                                  | MITEQ      | W70289-5108                      | RF159         | 11/15/2023 | 11/14/2024 |
| Power Meter                               | Anritsu    | ML2496A                          | 1804002       | 04/26/2024 | 04/25/2025 |
| Power Sensor                              | Anritsu    | MA2411B                          | 1726105       | 04/26/2024 | 04/25/2025 |
| Power Sensor                              | Anritsu    | MA2411B                          | 1726106       | 04/26/2024 | 04/25/2025 |
| Spectrum Analyzer                         | KEYSIGHT   | N9010A                           | MY57120290    | 04/10/2024 | 04/09/2025 |
| Test Software                             | SGS Taiwan | Dynamic Frequency Selection Test | Ver. 22.01.24 | N.C.R      | N.C.R      |

### 6.2 Radiated Measurement

| Radiated Emission Test Site: SAC C |                 |                     |                        |            |            |
|------------------------------------|-----------------|---------------------|------------------------|------------|------------|
| EQUIPMENT TYPE                     | MFR             | MODEL NUMBER        | SERIAL NUMBER          | LAST CAL.  | CAL DUE.   |
| 3m Site NSA                        | SGS             | 966 chamber C       | N/A                    | 03/02/2024 | 03/01/2025 |
| Active Loop Antenna                | COM-POWER       | AL-130R             | 10160105               | 12/04/2023 | 12/03/2024 |
| Attenuator                         | Woken           | WATT-218FS-10       | RF17                   | 11/15/2023 | 11/14/2024 |
| Band Rejection Filter              | Micro-Tronics   | G015                | RF198                  | 11/15/2023 | 11/14/2024 |
| Band Rejection Filter              | Micro-Tronics   | G016                | RF199                  | 11/15/2023 | 11/14/2024 |
| Band Rejection Filter              | Micro-Tronics   | G021                | RF200                  | 11/15/2023 | 11/14/2024 |
| Broadband Antenna                  | SCHWARZBECK     | VULB 9168           | 9168-300               | 11/02/2023 | 11/01/2024 |
| Coaxial Cable                      | Huber+Suhner    | EMC106-SM-SM-9100   | 150704                 | 11/15/2023 | 11/14/2024 |
| Coaxial Cable                      | Huber+Suhner    | RG 214/U            | W22.03                 | 11/15/2023 | 11/14/2024 |
| Coaxial Cable                      | Huber+Suhner    | SUCOFLEX 104        | MY17388/4              | 11/15/2023 | 11/14/2024 |
| EMI Test Receiver                  | R&S             | ESU 40              | 100363                 | 04/30/2024 | 04/29/2025 |
| High Pass Filter                   | Titan Microwave | T04H86002600060 S01 | 210619-2-8             | 11/15/2023 | 11/14/2024 |
| Horn Antenna                       | Schwarzbeck     | BBHA9120D           | 1187                   | 01/24/2024 | 01/23/2025 |
| Horn Antenna                       | Schwarzbeck     | BBHA9170            | 184                    | 12/28/2023 | 12/27/2024 |
| Lowpass Filter                     | Woken           | EWT-56-0019         | RF173                  | 11/15/2023 | 11/14/2024 |
| Pre-Amplifier                      | EMC Instruments | EMC118A45SE         | 980789                 | 11/15/2023 | 11/14/2024 |
| Pre-Amplifier                      | EMC Instruments | EMC18405SEE         | 980881                 | 11/15/2023 | 11/14/2024 |
| Pre-Amplifier                      | EMC Instruments | EMC330              | 980096                 | 11/15/2023 | 11/14/2024 |
| Spectrum Analyzer                  | KEYSIGHT        | N9010A              | MY57120290             | 04/10/2024 | 04/09/2025 |
| Test Software                      | audix           | e3                  | E3 20923 SGS Ver.9 (C) | N.C.R      | N.C.R      |

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

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## 7 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

### 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.

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### 7.1.2 Output Power

| Band     | EUT CATEGORY |                                                            | e-CRF Title 47 §15.407            |                                                |                                                        |                                       |
|----------|--------------|------------------------------------------------------------|-----------------------------------|------------------------------------------------|--------------------------------------------------------|---------------------------------------|
|          |              |                                                            | Conducted Output Power            | EIRP                                           | TPC                                                    | Antenna Directional Gain Requirements |
| U-NII-1  |              | Fixed point-to-point                                       | 1 Watt(30dBm)                     | Not required                                   | Not required                                           | 23dBi                                 |
|          |              | Outdoor AP                                                 | 1 Watt(30dBm)                     | Elevation angle above 30 degrees 125mW (21dBm) | Not required                                           | 6dBi                                  |
|          |              | Indoor AP                                                  | 1 Watt(30dBm)                     | Not required                                   | Not required                                           | 6dBi                                  |
|          | V            | Other                                                      | 250mW(23.98dBm)                   | Not required                                   | Not required                                           | 6dBi                                  |
| U-NII-2A | V            | Other                                                      | 250mW(23.98dBm) or 11dBm+10 log B | Not required                                   | When EIRP >500mW<br>At least 6dB below EIRP 1W (30dBm) | 6dBi                                  |
| U-NII-2C | V            | Other                                                      | 250mW(23.98dBm) or 11dBm+10 log B | Not required                                   |                                                        | 6dBi                                  |
| U-NII-3  | V            | Other                                                      | 1 Watt(30dBm)                     | Not required                                   | Not required                                           | 6dBi                                  |
|          |              | Fixed point-to-point                                       | 1 Watt(30dBm)                     | Not required                                   | Not required                                           | Not required                          |
| U-NII-4  |              | Indoor AP (a channel spans 5725~5850 and 5850~5895MHz)     | Not required                      | 36dBm                                          | Not required                                           | Not required                          |
|          |              | Indoor client (a channel spans 5725~5850 and 5850~5895MHz) | Not required                      | 30dBm                                          | Not required                                           | Not required                          |
|          |              | Subordinate device                                         | Not required                      | 36dBm                                          | Not required                                           | Not required                          |

1. If transmitting antennas of directional gain greater than the antenna requirements column, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna.

2. For the 10 log B, B is the 26 dB emission bandwidth.

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| FREQUENCY BAND (MHz)                                                                                                                                                                                                                                                                                                                     | EUT CATEGORY |                                   | RSS-247 §6.2.1~6.2.4                                                                                                                                                                                                                                                               |                                 |                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|
|                                                                                                                                                                                                                                                                                                                                          |              |                                   | EIRP                                                                                                                                                                                                                                                                               | Conducted Output Power          | TPC                                     |
| 5150~5250                                                                                                                                                                                                                                                                                                                                |              | OEM devices installed in vehicles | 30 mW or $1.76 + 10 \log_{10} B$                                                                                                                                                                                                                                                   | N/A                             | At least 3dB below 30mW EIRP            |
|                                                                                                                                                                                                                                                                                                                                          | V            | Other device                      | 200 mW or $10 + 10 \log_{10} B$ dBm                                                                                                                                                                                                                                                | N/A                             | N/A                                     |
| 5250~5350                                                                                                                                                                                                                                                                                                                                |              | OEM devices installed in vehicles | 30 mW or $1.76 + 10 \log_{10} B$                                                                                                                                                                                                                                                   | N/A                             | At least 3dB below 30mW EIRP            |
|                                                                                                                                                                                                                                                                                                                                          | V            | Other device                      | 1.0 W or $17 + 10 \log_{10} B$ dBm                                                                                                                                                                                                                                                 | 250 mW or $11 + 10 \log_{10} B$ | EIRP >500mW, at least 6dB below 1W EIRP |
|                                                                                                                                                                                                                                                                                                                                          |              | Outdoor Fixed with EIRP>200mW     | $-13 \text{ dBW/MHz for } 0^\circ \leq \theta < 8^\circ$<br>$-13 - 0.716 (\theta - 8) \text{ dBW/MHz for } 8^\circ \leq \theta < 40^\circ$<br>$-35.9 - 1.22 (\theta - 40) \text{ dBW/MHz for } 40^\circ \leq \theta \leq 45^\circ$<br>$-42 \text{ dBW/MHz for } \theta > 45^\circ$ | N/A                             | EIRP >500mW, at least 6dB below 1W EIRP |
| 5470-5600 and 5650-5725                                                                                                                                                                                                                                                                                                                  | V            | All                               | 1.0 W or $17 + 10 \log_{10} B$ dBm                                                                                                                                                                                                                                                 | 250 mW or $11 + 10 \log_{10} B$ | EIRP >500mW, at least 6dB below 1W EIRP |
| 5725~5850                                                                                                                                                                                                                                                                                                                                | V            | All                               | N/A                                                                                                                                                                                                                                                                                | 1 W                             | N/A                                     |
| <p>1 For equipment operating in the band 5725-5850 MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.</p> <p>2. For the <math>10 \log B</math>, B is the 99% emission bandwidth.</p> |              |                                   |                                                                                                                                                                                                                                                                                    |                                 |                                         |

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t (886-2) 2299-3279

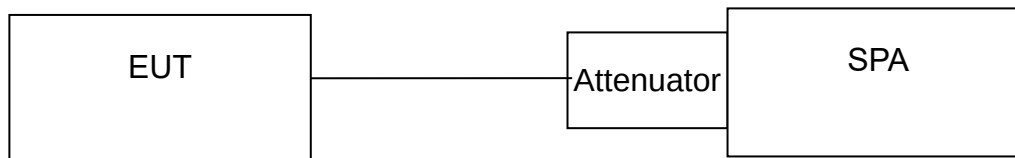
f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

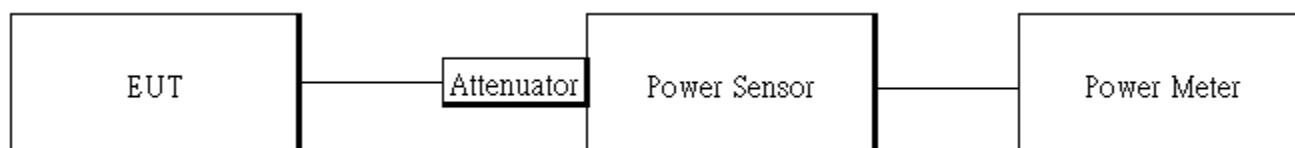
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## 7.2 Test Setup

### 7.2.1 Duty Cycle



### 7.2.2 Output Power



## 7.3 Measurement Procedure

### 7.3.1 Duty Cycle Measurements

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

### 7.3.2 Output Power Measurements

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.

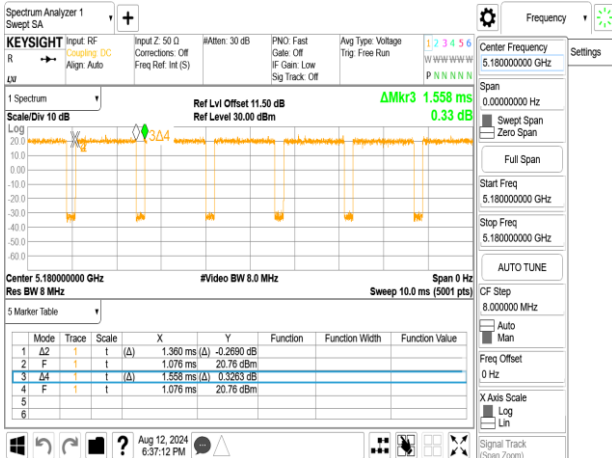
## 7.4 Duty Cycle Measurement Result

| Mode       | Duty Cycle (%)<br>=Ton / (Ton+Toff) | Duty Factor (dB)<br>=10*log ( 1/Duty Cycle ) | 1/T (kHz) | VBW<br>setting<br>(kHz) |
|------------|-------------------------------------|----------------------------------------------|-----------|-------------------------|
| 802.11a    | 87.29                               | 0.59                                         | 0.74      | 1.00                    |
| 802.11n_20 | 86.53                               | 0.63                                         | 0.79      | 1.00                    |
| 802.11n_40 | 75.96                               | 1.19                                         | 1.58      | 2.00                    |

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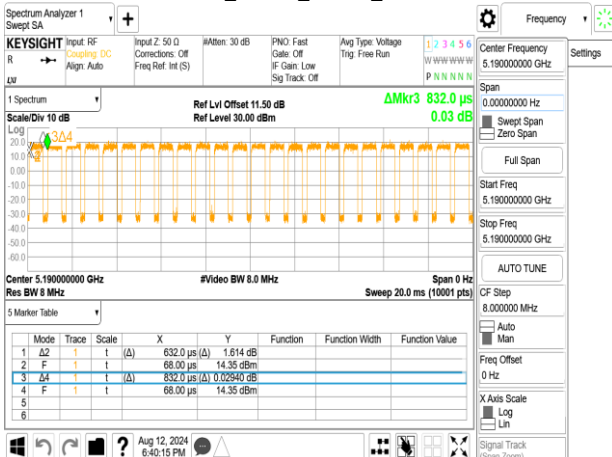
802.11a\_20MHz\_Chain0\_5180MHz



802.11n\_20MHz\_Chain0\_5180MHz



802.11n\_40MHz\_Chain0\_5190MHz



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## 7.5 Output Power Measurement Result

### 7.5.1 FCC Output power

#### 802.11a\_Ch0

| CH  | Frequency (MHz) | Data Rate | Power Setting | TOTAL POWER (mW) | TOTAL POWER (dBm) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|---------------|------------------|-------------------|----------------------|--------|
| 36  | 5180            | 6         | 13            | 24.493           | <b>13.89</b>      | 23.98                | PASS   |
| 44  | 5220            | 6         | 13.5          | 23.825           | 13.77             | 23.98                | PASS   |
| 48  | 5240            | 6         | 13.5          | 23.716           | 13.75             | 23.98                | PASS   |
| 52  | 5260            | 6         | 14            | 26.856           | 14.29             | 23.98                | PASS   |
| 60  | 5300            | 6         | 12.5          | 22.235           | 13.47             | 23.98                | PASS   |
| 64  | 5320            | 6         | 14            | 27.042           | <b>14.32</b>      | 23.98                | PASS   |
| 100 | 5500            | 6         | 13            | 27.292           | 14.36             | 23.98                | PASS   |
| 116 | 5580            | 6         | 13            | 28.057           | <b>14.48</b>      | 23.98                | PASS   |
| 140 | 5700            | 6         | 12.5          | 20.466           | 13.11             | 23.98                | PASS   |
| 149 | 5745            | 6         | 15.5          | 21.040           | 13.23             | 30                   | PASS   |
| 157 | 5785            | 6         | 16.5          | 26.609           | <b>14.25</b>      | 30                   | PASS   |
| 165 | 5825            | 6         | 15            | 20.372           | 13.09             | 30                   | PASS   |

#### 802.11n\_HT20\_Ch0

| CH  | Frequency (MHz) | Data Rate | Power Setting | TOTAL POWER (mW) | TOTAL POWER (dBm) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|---------------|------------------|-------------------|----------------------|--------|
| 36  | 5180            | MCS0      | 13            | 24.201           | <b>13.84</b>      | 23.98                | PASS   |
| 44  | 5220            | MCS0      | 13            | 21.569           | 13.34             | 23.98                | PASS   |
| 48  | 5240            | MCS0      | 13            | 22.379           | 13.50             | 23.98                | PASS   |
| 52  | 5260            | MCS0      | 13.5          | 24.651           | <b>13.92</b>      | 23.98                | PASS   |
| 60  | 5300            | MCS0      | 12            | 20.269           | 13.07             | 23.98                | PASS   |
| 64  | 5320            | MCS0      | 13.5          | 24.425           | 13.88             | 23.98                | PASS   |
| 100 | 5500            | MCS0      | 13            | 27.405           | 14.38             | 23.98                | PASS   |
| 116 | 5580            | MCS0      | 13            | 28.044           | <b>14.48</b>      | 23.98                | PASS   |
| 140 | 5700            | MCS0      | 12.5          | 21.224           | 13.27             | 23.98                | PASS   |
| 149 | 5745            | MCS0      | 16            | 25.051           | <b>13.99</b>      | 30                   | PASS   |
| 157 | 5785            | MCS0      | 16            | 24.145           | 13.83             | 30                   | PASS   |
| 165 | 5825            | MCS0      | 15            | 20.551           | 13.13             | 30                   | PASS   |

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## 802.11n\_HT40\_Ch0

| CH  | Frequency (MHz) | Data Rate | Power Setting | TOTAL POWER (mW) | TOTAL POWER (dBm) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-----------|---------------|------------------|-------------------|----------------------|--------|
| 38  | 5190            | MCS0      | 10.5          | 12.145           | 10.84             | 23.98                | PASS   |
| 46  | 5230            | MCS0      | 13            | 20.203           | <b>13.05</b>      | 23.98                | PASS   |
| 54  | 5270            | MCS0      | 13            | 21.449           | <b>13.31</b>      | 23.98                | PASS   |
| 62  | 5310            | MCS0      | 10.5          | 12.925           | 11.11             | 23.98                | PASS   |
| 102 | 5510            | MCS0      | 10.5          | 15.755           | 11.97             | 23.98                | PASS   |
| 110 | 5550            | MCS0      | 14            | 30.861           | <b>14.89</b>      | 23.98                | PASS   |
| 134 | 5670            | MCS0      | 12            | 20.579           | 13.13             | 23.98                | PASS   |
| 151 | 5755            | MCS0      | 16.5          | 26.449           | <b>14.22</b>      | 30                   | PASS   |
| 159 | 5795            | MCS0      | 16            | 23.791           | 13.76             | 30                   | PASS   |

## 7.5.2 ISED Conducted output power and EIRP

## 802.11a\_Ch0

| CH  | Frequency (MHz) | TOTAL POWER (mW) | TOTAL POWER (dBm) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|------------------|-------------------|----------------------|--------|
| 52  | 5260            | 26.856           | 14.29             | 23.98                | PASS   |
| 60  | 5300            | 22.235           | 13.47             | 23.98                | PASS   |
| 64  | 5320            | <b>27.042</b>    | <b>14.32</b>      | 23.98                | PASS   |
| 100 | 5500            | 27.292           | 14.36             | 23.98                | PASS   |
| 116 | 5580            | <b>28.057</b>    | <b>14.48</b>      | 23.98                | PASS   |
| 140 | 5700            | 20.466           | 13.11             | 23.98                | PASS   |
| 149 | 5745            | 21.040           | 13.23             | 30                   | PASS   |
| 157 | 5785            | <b>26.609</b>    | <b>14.25</b>      | 30                   | PASS   |
| 165 | 5825            | 20.372           | 13.09             | 30                   | PASS   |

## 802.11n\_HT20\_Ch0

| CH  | Frequency (MHz) | TOTAL POWER (mW) | TOTAL POWER (dBm) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|------------------|-------------------|----------------------|--------|
| 52  | 5260            | <b>24.651</b>    | <b>13.92</b>      | 23.98                | PASS   |
| 60  | 5300            | 20.269           | 13.07             | 23.98                | PASS   |
| 64  | 5320            | 24.425           | 13.88             | 23.98                | PASS   |
| 100 | 5500            | 27.405           | 14.38             | 23.98                | PASS   |
| 116 | 5580            | <b>28.044</b>    | <b>14.48</b>      | 23.98                | PASS   |
| 140 | 5700            | 21.224           | 13.27             | 23.98                | PASS   |
| 149 | 5745            | <b>25.051</b>    | <b>13.99</b>      | 30                   | PASS   |
| 157 | 5785            | 24.145           | 13.83             | 30                   | PASS   |
| 165 | 5825            | 20.551           | 13.13             | 30                   | PASS   |

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## 802.11n\_HT40\_Ch0

| CH  | Frequency (MHz) | TOTAL POWER (mW) | TOTAL POWER (dBm) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|------------------|-------------------|----------------------|--------|
| 54  | 5270            | 21.449           | 13.31             | 23.98                | PASS   |
| 62  | 5310            | 12.925           | 11.11             | 23.98                | PASS   |
| 102 | 5510            | 15.755           | 11.97             | 23.98                | PASS   |
| 110 | 5550            | 30.861           | 14.89             | 23.98                | PASS   |
| 134 | 5670            | 20.579           | 13.13             | 23.98                | PASS   |
| 151 | 5755            | 26.449           | 14.22             | 30                   | PASS   |
| 159 | 5795            | 23.791           | 13.76             | 30                   | PASS   |

## 802.11a\_Ch0

| CH  | Frequency (MHz) | TOTAL POWER (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-------------------|--------------------|-----------|------------|----------------------|--------|
| 36  | 5180            | 13.89             | 1.89               | 37.844    | 15.78      | 23.01                | PASS   |
| 44  | 5220            | 13.77             | 1.89               | 36.813    | 15.66      | 23.01                | PASS   |
| 48  | 5240            | 13.75             | 1.89               | 36.644    | 15.64      | 23.01                | PASS   |
| 52  | 5260            | 14.29             | 2.23               | 44.875    | 16.52      | 30                   | PASS   |
| 60  | 5300            | 13.47             | 2.23               | 37.154    | 15.70      | 30                   | PASS   |
| 64  | 5320            | 14.32             | 2.23               | 45.186    | 16.55      | 30                   | PASS   |
| 100 | 5500            | 14.36             | 1.54               | 38.905    | 15.90      | 30                   | PASS   |
| 116 | 5580            | 14.48             | 1.54               | 39.994    | 16.02      | 30                   | PASS   |
| 140 | 5700            | 13.11             | 1.54               | 29.174    | 14.65      | 30                   | PASS   |

## 802.11n\_HT20\_Ch0

| CH  | Frequency (MHz) | TOTAL POWER (dBm) | Antenna Gain (dBi) | EIRP (mW) | EIRP (dBm) | REQUIRED LIMIT (dBm) | RESULT |
|-----|-----------------|-------------------|--------------------|-----------|------------|----------------------|--------|
| 36  | 5180            | 13.84             | 1.89               | 37.411    | 15.73      | 23.01                | PASS   |
| 44  | 5220            | 13.34             | 1.89               | 33.343    | 15.23      | 23.01                | PASS   |
| 48  | 5240            | 13.50             | 1.89               | 34.594    | 15.39      | 23.01                | PASS   |
| 52  | 5260            | 13.92             | 2.23               | 41.210    | 16.15      | 30                   | PASS   |
| 60  | 5300            | 13.07             | 2.23               | 33.884    | 15.30      | 30                   | PASS   |
| 64  | 5320            | 13.88             | 2.23               | 40.832    | 16.11      | 30                   | PASS   |
| 100 | 5500            | 14.38             | 1.54               | 39.084    | 15.92      | 30                   | PASS   |
| 116 | 5580            | 14.48             | 1.54               | 39.994    | 16.02      | 30                   | PASS   |
| 140 | 5700            | 13.27             | 1.54               | 30.269    | 14.81      | 30                   | PASS   |

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## 802.11n\_HT40\_Ch0

| CH  | Frequency<br>(MHz) | TOTAL<br>POWER<br>(dBm) | Antenna<br>Gain<br>(dBi) | EIRP<br>(mW)  | EIRP<br>(dBm) | REQUIRED<br>LIMIT<br>(dBm) | RESULT |
|-----|--------------------|-------------------------|--------------------------|---------------|---------------|----------------------------|--------|
| 38  | 5190               | 10.84                   | 1.89                     | 18.750        | 12.73         | 23.01                      | PASS   |
| 46  | 5230               | <b>13.05</b>            | 1.89                     | <b>31.189</b> | <b>14.94</b>  | 23.01                      | PASS   |
| 54  | 5270               | <b>13.31</b>            | 2.23                     | <b>35.810</b> | <b>15.54</b>  | 30                         | PASS   |
| 62  | 5310               | 11.11                   | 2.23                     | 21.577        | 13.34         | 30                         | PASS   |
| 102 | 5510               | 11.97                   | 1.54                     | 22.439        | 13.51         | 30                         | PASS   |
| 110 | 5550               | <b>14.89</b>            | 1.54                     | <b>43.954</b> | <b>16.43</b>  | 30                         | PASS   |
| 134 | 5670               | <b>13.13</b>            | 1.54                     | <b>29.309</b> | <b>14.67</b>  | 30                         | PASS   |

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## 8 UNDESIRABLE RADIATED EMISSION MEASUREMENT

### 8.1 Standard Applicable

$EIRP = (E^2 \cdot d^2) / 30$ , where  $E$  is the field strength in V/m,  $d$  is the measurement distance (3m),  $EIRP$  is the equivalent isotropically radiated power in Watts.

#### 8.1.1 5150~5850 MHz

| Applicable to                       | Operation Freq. (MHz) | EIRP                                                           |                  | Field Strength @ 3m (dBμV/m) |
|-------------------------------------|-----------------------|----------------------------------------------------------------|------------------|------------------------------|
|                                     |                       | Freq. (MHz)                                                    | Limits (dBm/MHz) |                              |
| 15.407(b)(1)<br>RSS-247 §6.2.1.2    | 5150~5250             | $f \leq 5150$<br>$f \geq 5350$                                 | PK: -27          | PK: 68.2                     |
| 15.407(b)(2)<br>RSS-247 §6.2.2.2    | 5250~5350             |                                                                |                  |                              |
| 15.407(b)(3)<br>RSS-247 §6.2.3.2    | 5475~5725             |                                                                |                  |                              |
| 15.407(b)(4)(i)<br>RSS-247 §6.2.4.2 | 5725~5850             | at 75 MHz or more above or below the band edge                 | PK:-27           | PK: 68.2                     |
|                                     |                       | increasing linearly from 75~25MHz above or below the band edge | PK:-27~10        | PK: 68.2~105.2               |
|                                     |                       | increasing linearly from 25~5MHz above or below the band edge  | PK:10~15.6       | PK: 105.2~110.8              |
|                                     |                       | increasing linearly from 5~0 MHz above or below the band edge  | PK: 15.6~27      | PK:110.8~122.2               |

### 8.1.2 Spurious Emission

Unwanted spurious emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

| 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:**

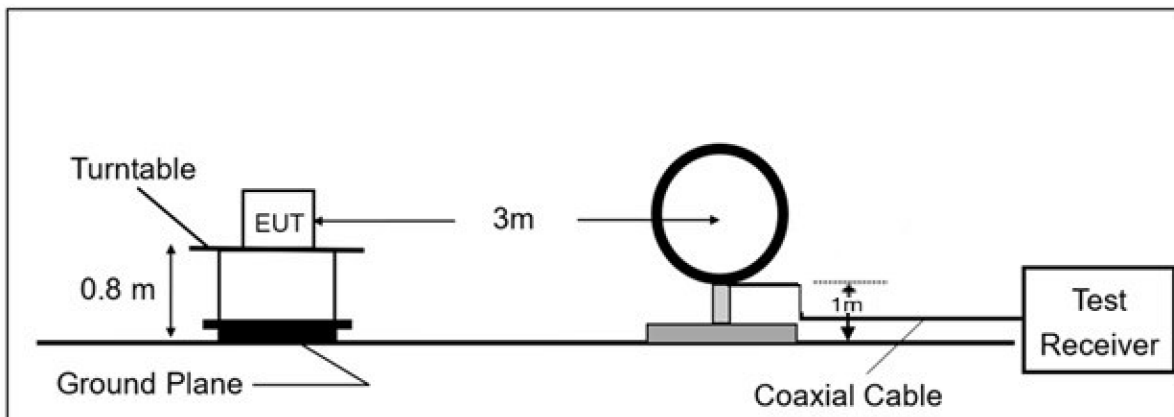
1. The lower limit shall apply at the transition frequencies.

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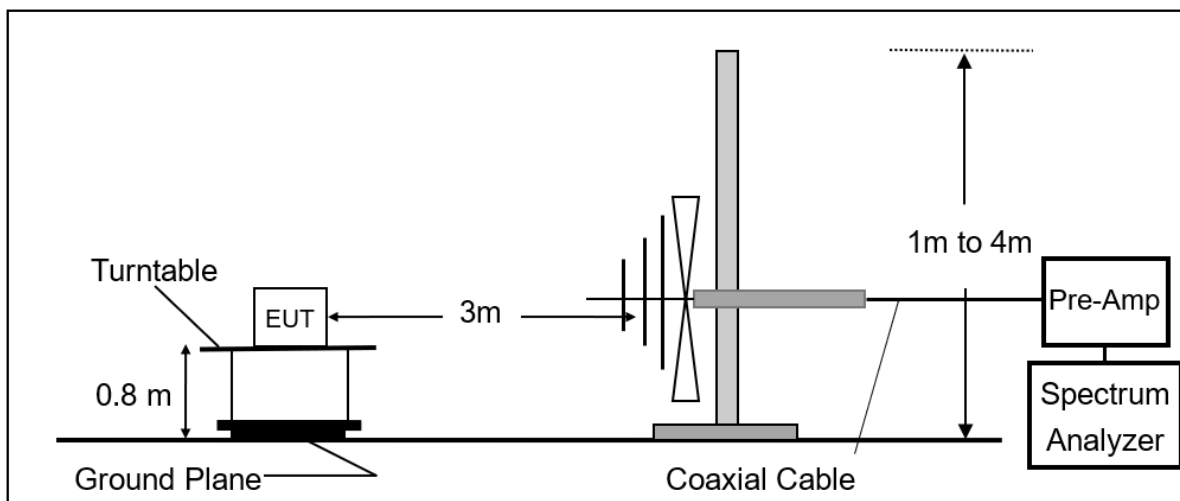
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## 8.2 Test Setup

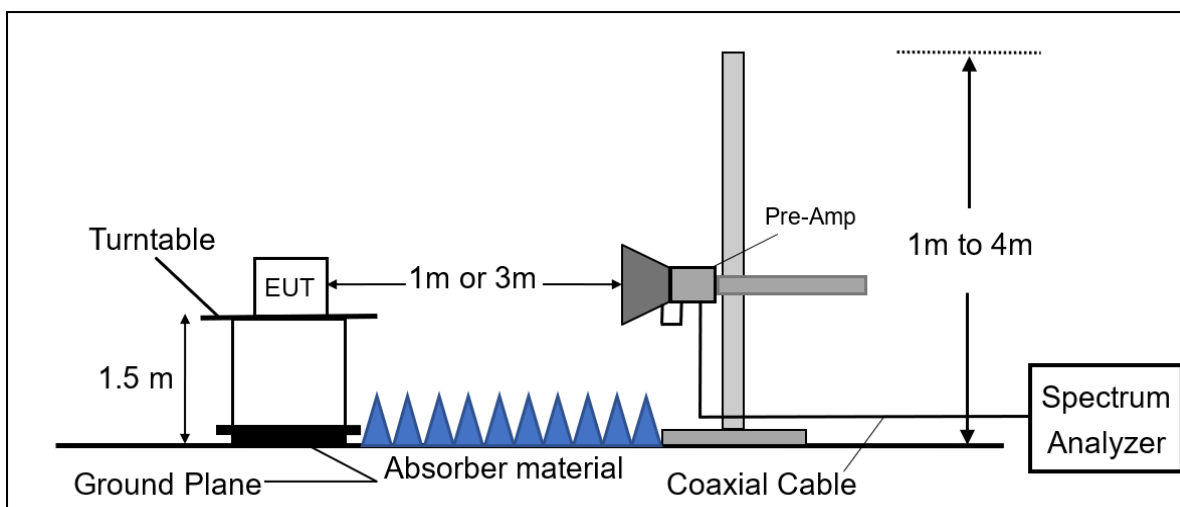
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(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 testing follows FCC KDB 789033 D02.
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW  $\geq 1/T$  (Duty cycle < 98%) for Average Emission Measurements at frequency above 1 GHz.
9. When 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.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
12. 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:

$$FS = RA + AF + CL - AG$$

**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 dBuV/m, which converts  $20 \cdot \log(\mu V/m)$*

*Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)*

*Factor(dB) = Antenna Factor(dBμV/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) & RSS-GEN §6.13.2 was not reported.

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台灣檢驗科技股份有限公司

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f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

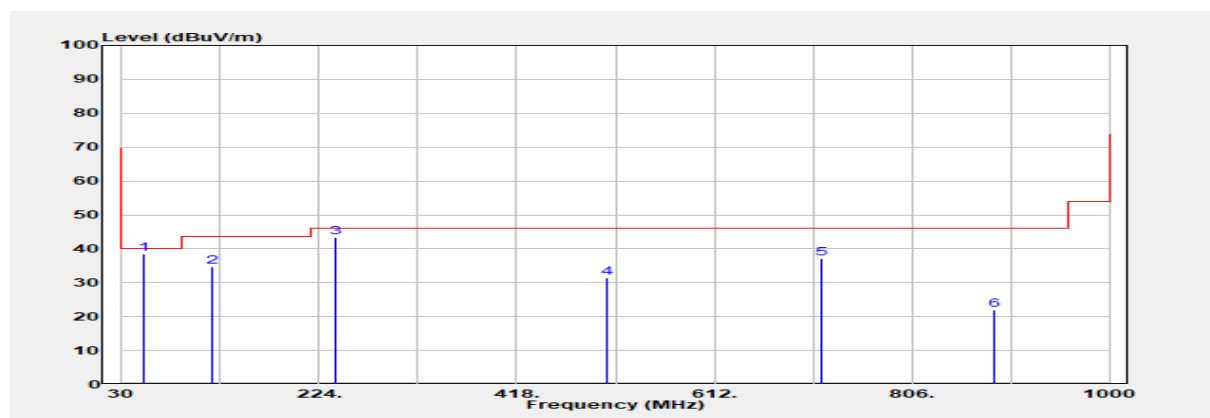
Member of SGS Group

## 8.6 Radiated Spurious Emission Measurement Result

## 8.6.1 Spurious Emission

Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5220 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



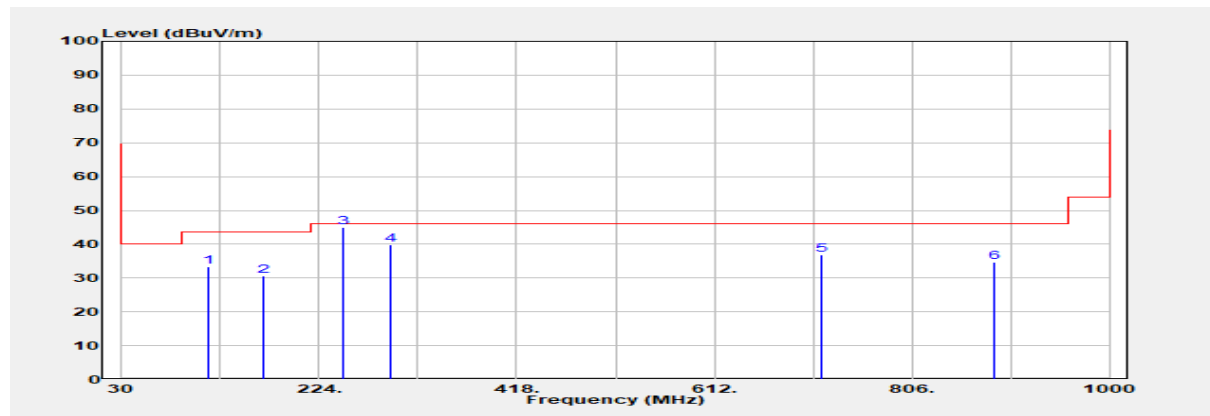
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 51.340       | QP                           | 53.70                             | -15.19       | 38.51                  | 40.00                  | -1.49        |
| 118.270      | QP                           | 52.80                             | -18.14       | 34.66                  | 43.50                  | -8.84        |
| 240.490      | QP                           | 60.60                             | -17.18       | 43.42                  | 46.00                  | -2.58        |
| 507.240      | Peak                         | 40.76                             | -9.19        | 31.56                  | 46.00                  | -14.44       |
| 716.760      | Peak                         | 42.08                             | -5.00        | 37.08                  | 46.00                  | -8.92        |
| 887.480      | QP                           | 24.30                             | -2.32        | 21.98                  | 46.00                  | -24.02       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5220 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 115.360      | QP                           | 51.90                             | -18.67       | 33.23                  | 43.50                  | -10.27       |
| 169.680      | QP                           | 46.91                             | -16.31       | 30.60                  | 43.50                  | -12.90       |
| 247.280      | QP                           | 61.80                             | -16.90       | 44.90                  | 46.00                  | -1.10        |
| 293.840      | Peak                         | 55.06                             | -15.16       | 39.89                  | 46.00                  | -6.11        |
| 717.730      | Peak                         | 41.79                             | -4.94        | 36.85                  | 46.00                  | -9.15        |
| 887.480      | Peak                         | 36.96                             | -2.32        | 34.64                  | 46.00                  | -11.36       |

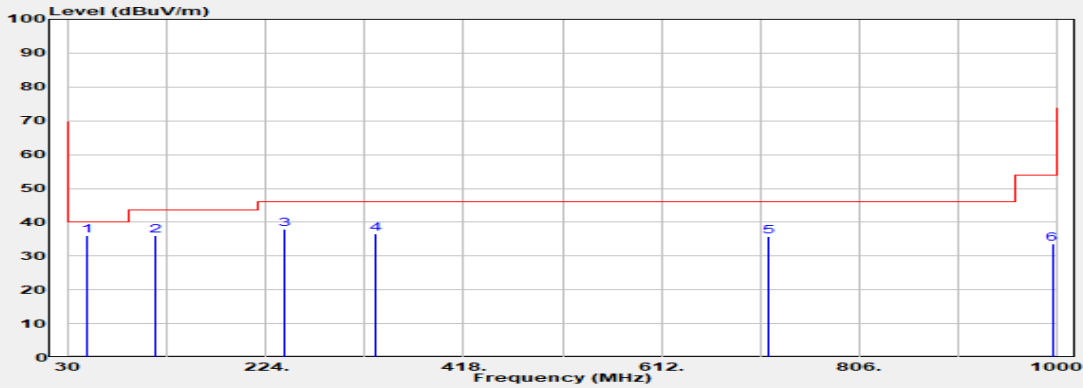
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5300 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 48.430       | QP                           | 51.20                             | -15.26       | 35.94                  | 40.00                  | -4.06        |
| 115.360      | QP                           | 54.70                             | -18.67       | 36.03                  | 43.50                  | -7.47        |
| 242.430      | QP                           | 55.00                             | -17.08       | 37.92                  | 46.00                  | -8.08        |
| 331.670      | Peak                         | 50.12                             | -13.64       | 36.48                  | 46.00                  | -9.52        |
| 717.730      | Peak                         | 40.72                             | -4.94        | 35.78                  | 46.00                  | -10.22       |
| 996.120      | Peak                         | 34.42                             | -0.95        | 33.48                  | 54.00                  | -20.52       |

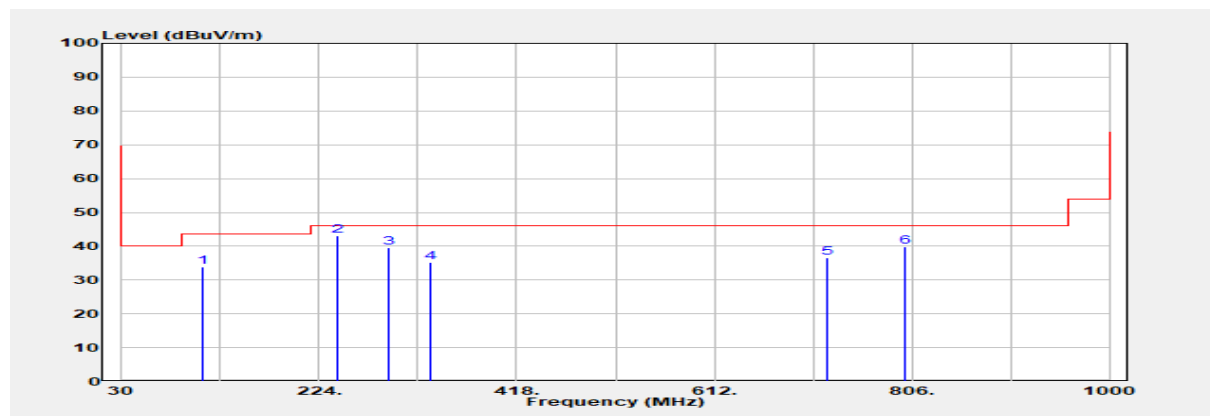
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5300 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 109.540      | QP                           | 53.10                             | -19.35       | 33.75                  | 43.50                  | -9.75        |
| 242.430      | QP                           | 60.20                             | -17.08       | 43.12                  | 46.00                  | -2.88        |
| 291.900      | Peak                         | 54.67                             | -15.14       | 39.53                  | 46.00                  | -6.47        |
| 332.640      | Peak                         | 49.02                             | -13.66       | 35.35                  | 46.00                  | -10.65       |
| 722.580      | Peak                         | 41.49                             | -4.78        | 36.71                  | 46.00                  | -9.29        |
| 800.180      | Peak                         | 43.30                             | -3.34        | 39.95                  | 46.00                  | -6.05        |

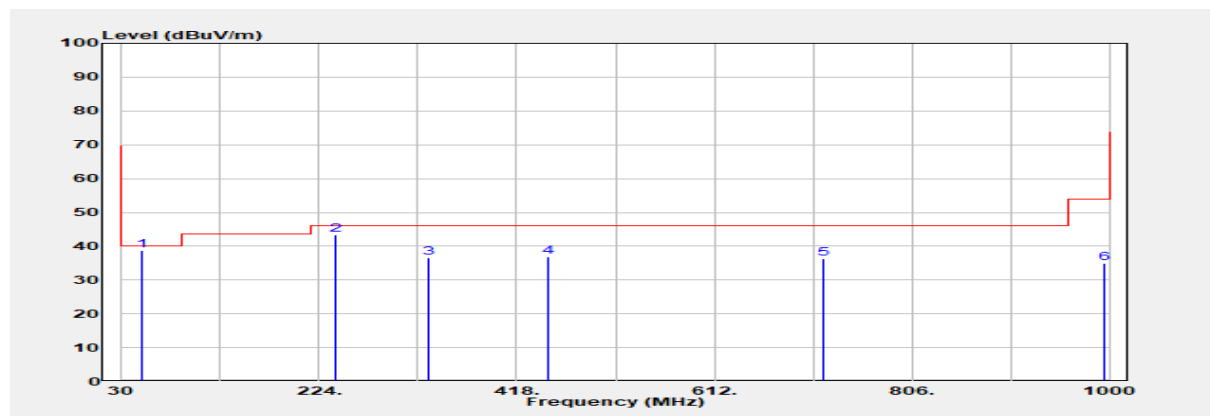
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5580 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



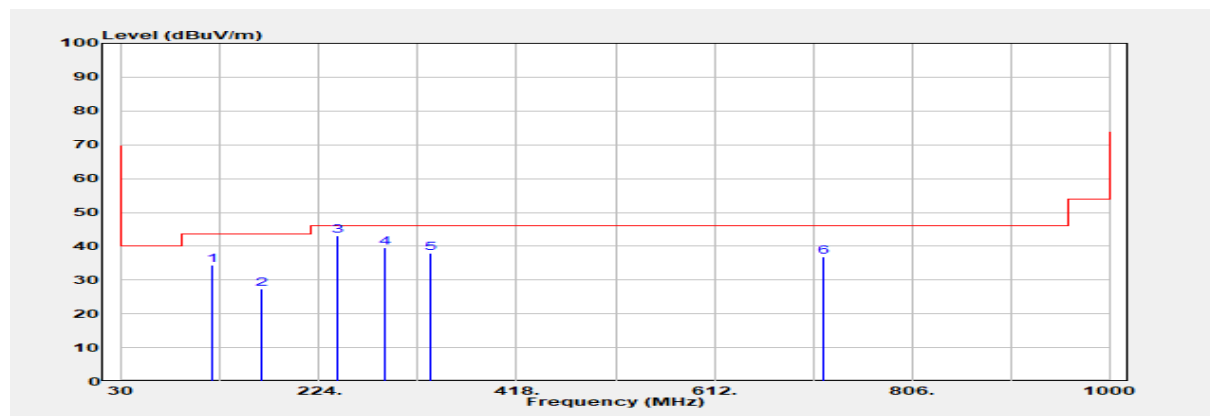
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 50.370       | QP                           | 54.00                             | -15.16       | 38.84                  | 40.00                  | -1.16        |
| 239.520      | QP                           | 60.60                             | -17.25       | 43.35                  | 46.00                  | -2.65        |
| 331.670      | Peak                         | 50.14                             | -13.64       | 36.50                  | 46.00                  | -9.50        |
| 448.070      | Peak                         | 47.21                             | -10.38       | 36.83                  | 46.00                  | -9.17        |
| 719.670      | Peak                         | 41.12                             | -4.82        | 36.30                  | 46.00                  | -9.70        |
| 995.150      | Peak                         | 35.82                             | -0.95        | 34.87                  | 54.00                  | -19.13       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5580 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



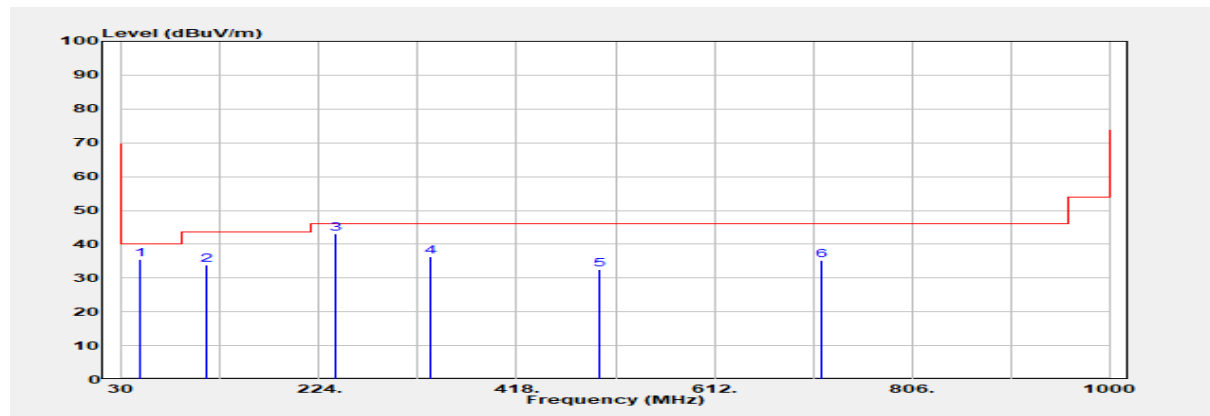
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 119.240      | QP                           | 52.50                             | -17.98       | 34.52                  | 43.50                  | -8.98        |
| 167.740      | QP                           | 43.61                             | -16.15       | 27.46                  | 43.50                  | -16.04       |
| 242.430      | QP                           | 60.10                             | -17.08       | 43.02                  | 46.00                  | -2.98        |
| 288.020      | Peak                         | 54.72                             | -15.14       | 39.58                  | 46.00                  | -6.42        |
| 333.610      | Peak                         | 51.70                             | -13.69       | 38.02                  | 46.00                  | -7.98        |
| 719.670      | Peak                         | 41.79                             | -4.82        | 36.97                  | 46.00                  | -9.03        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5785 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 48.430       | QP                           | 50.80                             | -15.26       | 35.54                  | 40.00                  | -4.46        |
| 113.420      | QP                           | 52.80                             | -18.87       | 33.93                  | 43.50                  | -9.57        |
| 239.520      | QP                           | 60.40                             | -17.25       | 43.15                  | 46.00                  | -2.85        |
| 332.640      | Peak                         | 49.91                             | -13.66       | 36.25                  | 46.00                  | -9.75        |
| 499.480      | Peak                         | 42.24                             | -9.62        | 32.62                  | 46.00                  | -13.38       |
| 717.730      | Peak                         | 40.20                             | -4.94        | 35.26                  | 46.00                  | -10.74       |

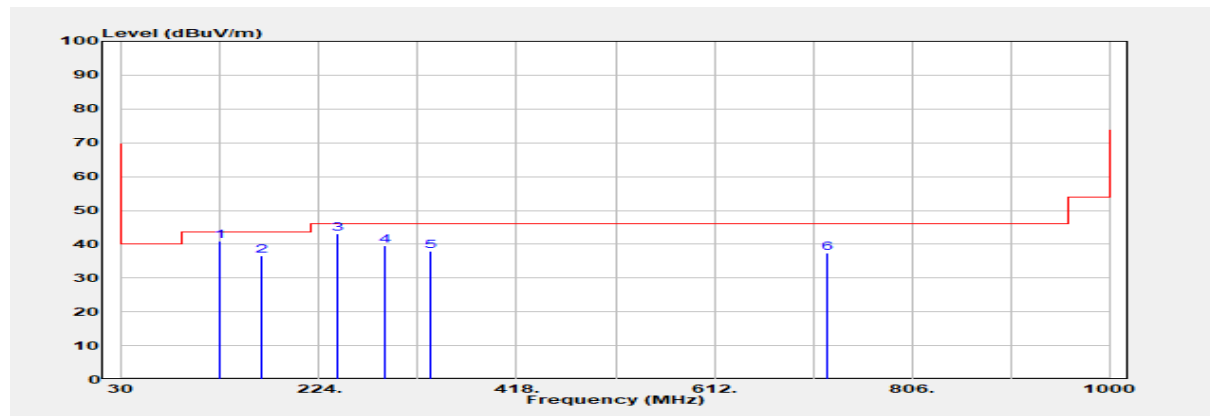
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5785 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 127.000      | Peak                         | 58.44                             | -17.54       | 40.90                  | 43.50                  | -2.60        |
| 167.740      | QP                           | 52.80                             | -16.15       | 36.65                  | 43.50                  | -6.85        |
| 242.430      | QP                           | 60.20                             | -17.08       | 43.12                  | 46.00                  | -2.88        |
| 288.990      | Peak                         | 54.76                             | -15.13       | 39.63                  | 46.00                  | -6.37        |
| 332.640      | Peak                         | 51.65                             | -13.66       | 37.98                  | 46.00                  | -8.02        |
| 722.580      | Peak                         | 42.09                             | -4.78        | 37.31                  | 46.00                  | -8.69        |

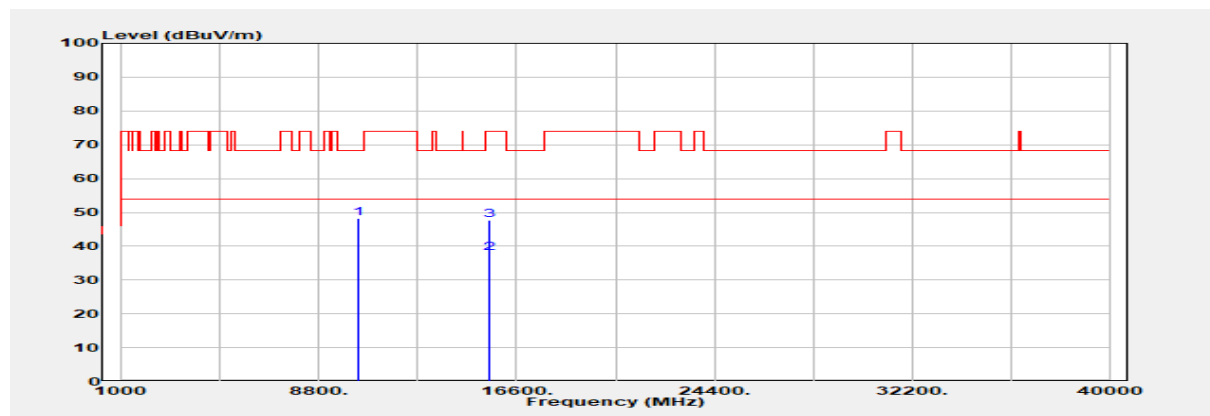
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5180 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.000    | Peak                         | 39.19                             | 8.94         | 48.13                  | 68.20                  | -20.07       |
| 15540.000    | Average                      | 31.41                             | 6.52         | 37.93                  | 54.00                  | -16.07       |
| 15540.000    | Peak                         | 41.16                             | 6.52         | 47.68                  | 74.00                  | -26.32       |

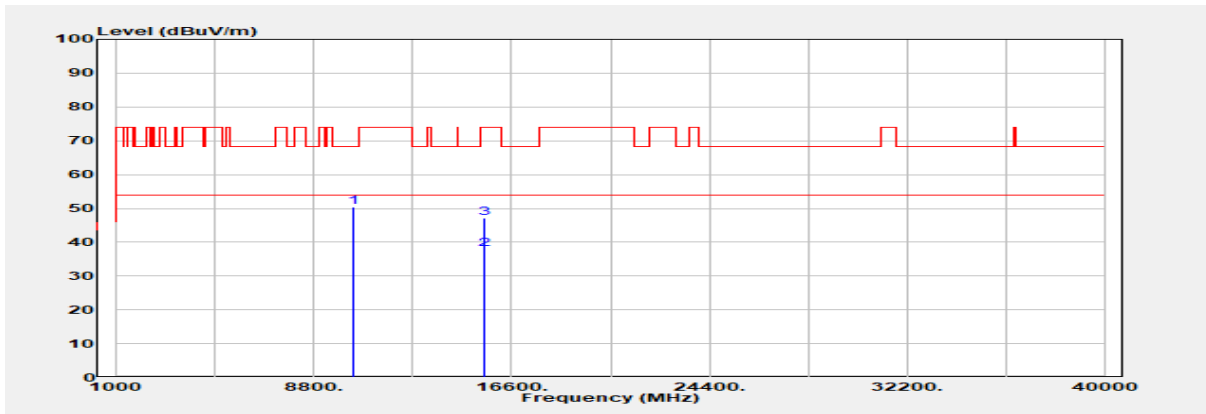
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5180 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



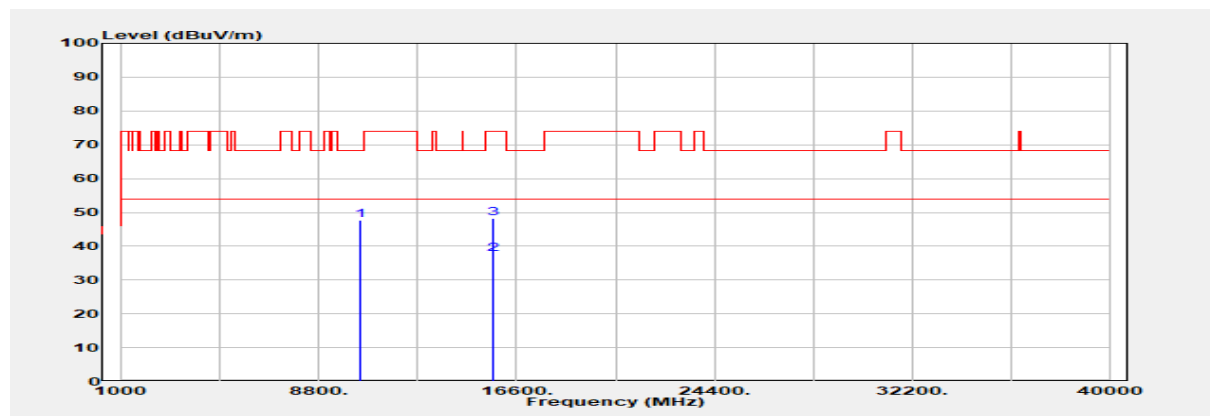
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.000    | Peak                         | 41.48                             | 8.94         | 50.42                  | 68.20                  | -17.78       |
| 15540.000    | Average                      | 31.49                             | 6.52         | 38.01                  | 54.00                  | -15.99       |
| 15540.000    | Peak                         | 40.67                             | 6.52         | 47.19                  | 74.00                  | -26.81       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5220 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.000    | Peak                         | 38.35                             | 9.37         | 47.72                  | 68.20                  | -20.48       |
| 15660.000    | Average                      | 31.70                             | 6.04         | 37.74                  | 54.00                  | -16.26       |
| 15660.000    | Peak                         | 42.08                             | 6.04         | 48.11                  | 74.00                  | -25.89       |

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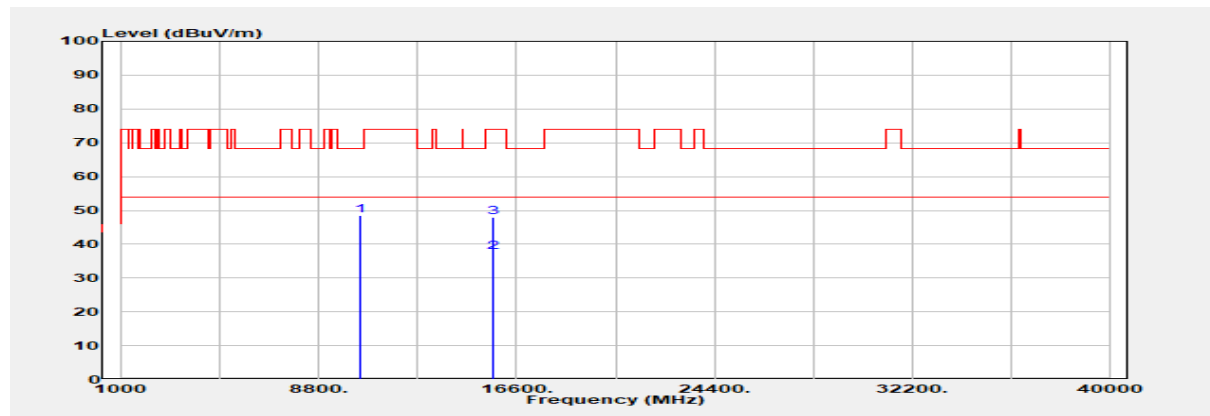
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5220 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.000    | Peak                         | 39.21                             | 9.37         | 48.58                  | 68.20                  | -19.62       |
| 15660.000    | Average                      | 31.57                             | 6.04         | 37.61                  | 54.00                  | -16.39       |
| 15660.000    | Peak                         | 42.06                             | 6.04         | 48.10                  | 74.00                  | -25.90       |

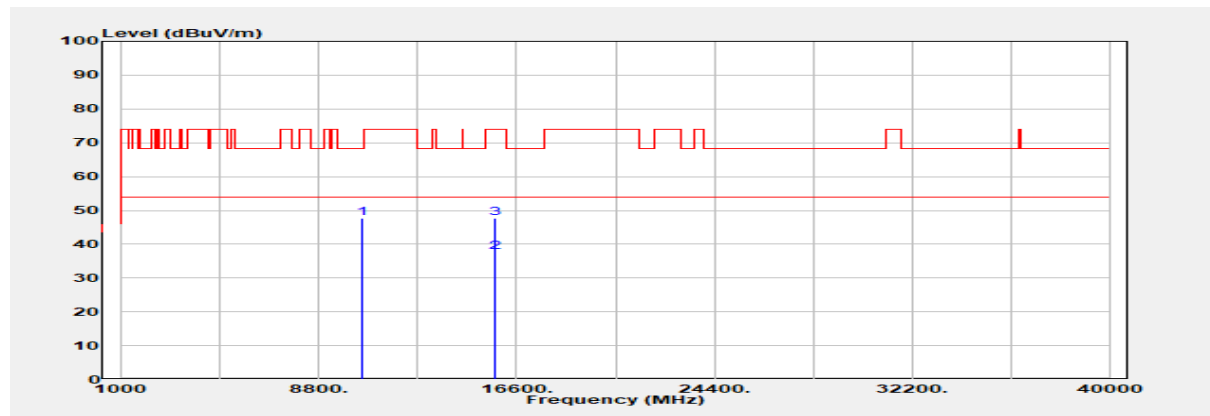
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5240 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



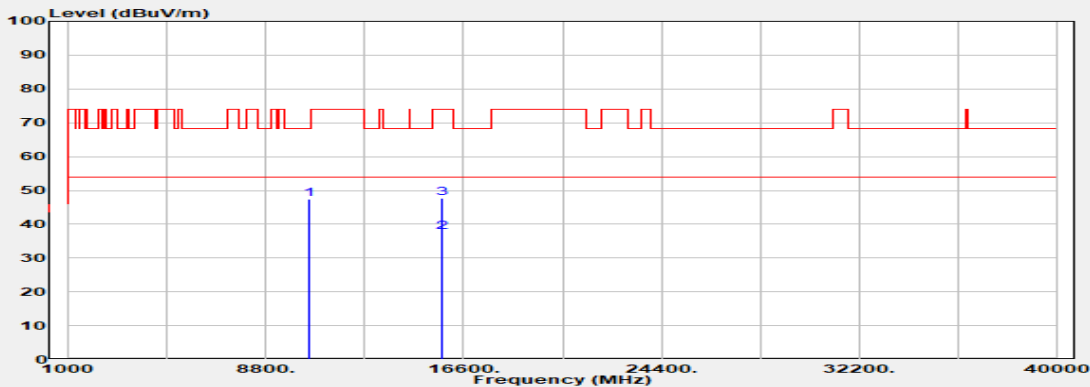
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.000    | Peak                         | 38.82                             | 9.01         | 47.83                  | 68.20                  | -20.37       |
| 15720.000    | Average                      | 31.56                             | 6.03         | 37.59                  | 54.00                  | -16.41       |
| 15720.000    | Peak                         | 41.77                             | 6.03         | 47.80                  | 74.00                  | -26.20       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5240 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



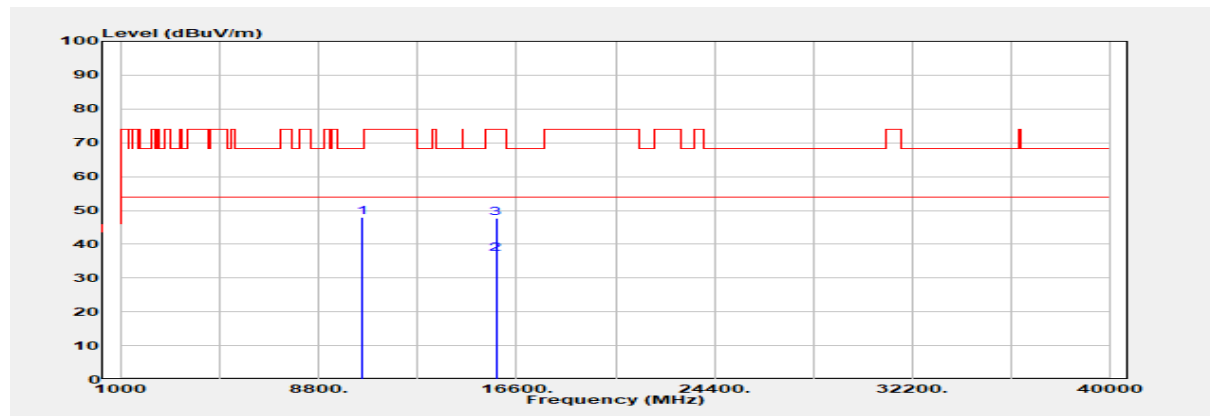
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.000    | Peak                         | 38.35                             | 9.01         | 47.36                  | 68.20                  | -20.84       |
| 15720.000    | Average                      | 31.51                             | 6.03         | 37.55                  | 54.00                  | -16.45       |
| 15720.000    | Peak                         | 41.78                             | 6.03         | 47.82                  | 74.00                  | -26.18       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5260 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



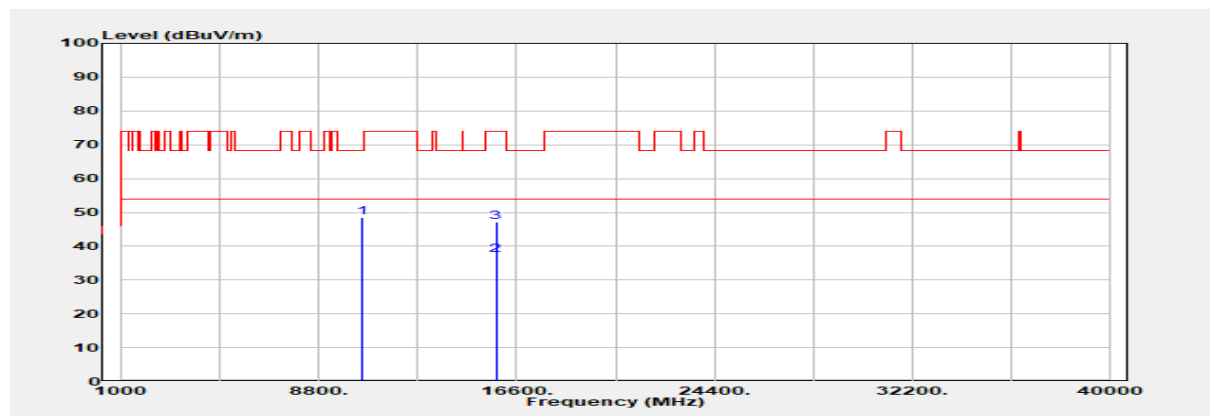
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.000    | Peak                         | 39.15                             | 8.82         | 47.97                  | 68.20                  | -20.23       |
| 15780.000    | Average                      | 31.61                             | 5.63         | 37.24                  | 54.00                  | -16.76       |
| 15780.000    | Peak                         | 42.03                             | 5.63         | 47.66                  | 74.00                  | -26.34       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5260 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



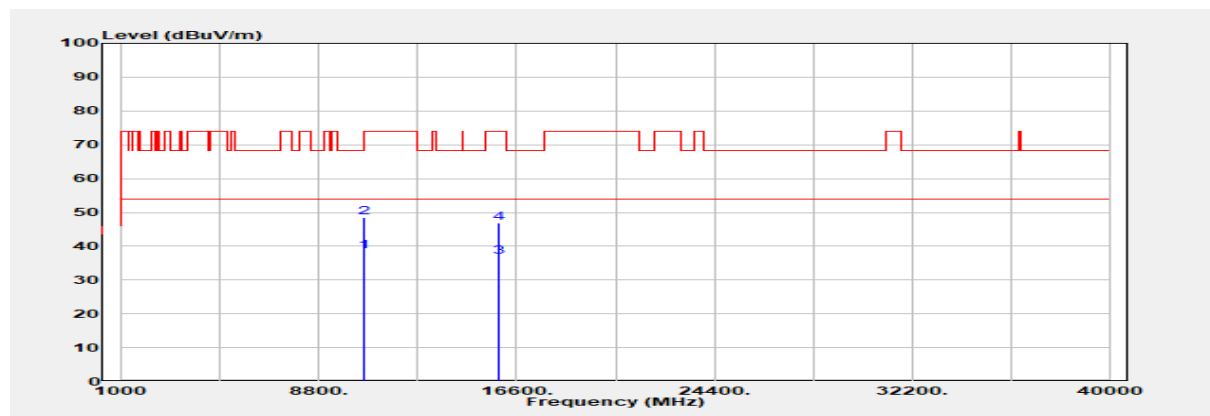
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.000    | Peak                         | 39.70                             | 8.82         | 48.52                  | 68.20                  | -19.68       |
| 15780.000    | Average                      | 31.77                             | 5.63         | 37.40                  | 54.00                  | -16.60       |
| 15780.000    | Peak                         | 41.54                             | 5.63         | 47.17                  | 74.00                  | -26.83       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5300 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



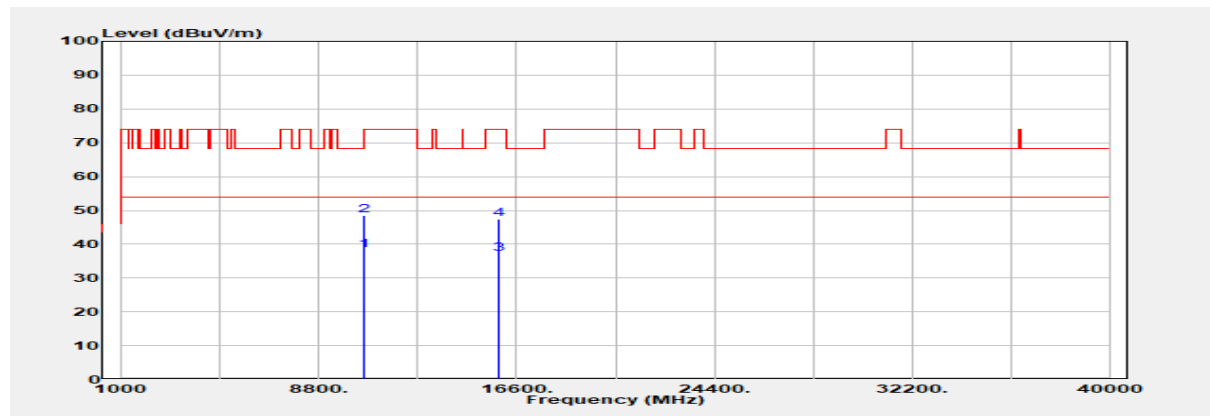
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10600.000    | Average                      | 29.84                             | 8.56         | 38.40                  | 54.00                  | -15.60       |
| 10600.000    | Peak                         | 40.06                             | 8.56         | 48.62                  | 74.00                  | -25.38       |
| 15900.000    | Average                      | 31.25                             | 5.73         | 36.98                  | 54.00                  | -17.02       |
| 15900.000    | Peak                         | 41.14                             | 5.73         | 46.87                  | 74.00                  | -27.13       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5300 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10600.000    | Average                      | 29.72                             | 8.56         | 38.28                  | 54.00                  | -15.72       |
| 10600.000    | Peak                         | 39.97                             | 8.56         | 48.53                  | 74.00                  | -25.47       |
| 15900.000    | Average                      | 31.38                             | 5.73         | 37.11                  | 54.00                  | -16.89       |
| 15900.000    | Peak                         | 41.64                             | 5.73         | 47.37                  | 74.00                  | -26.63       |

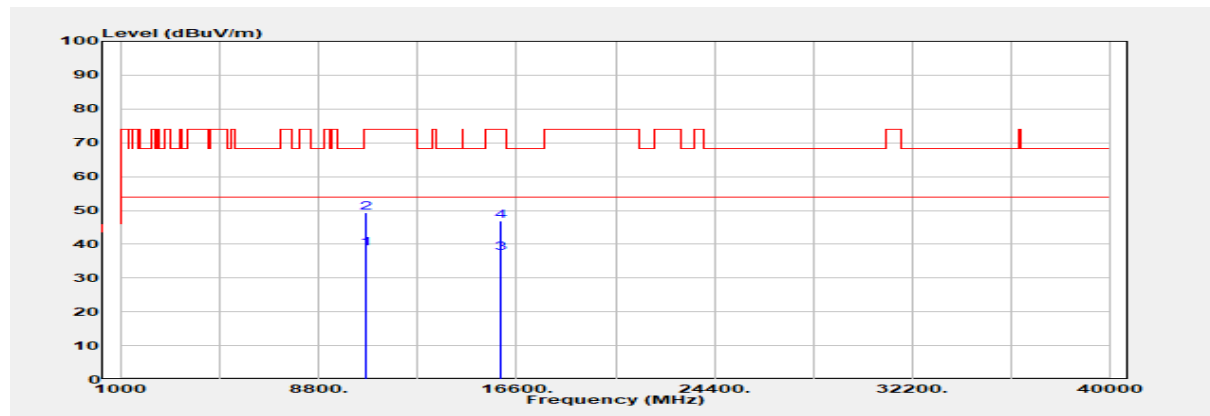
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5320 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.000    | Average                      | 29.62                             | 9.02         | 38.64                  | 54.00                  | -15.36       |
| 10640.000    | Peak                         | 40.39                             | 9.02         | 49.41                  | 74.00                  | -24.59       |
| 15960.000    | Average                      | 31.24                             | 6.06         | 37.30                  | 54.00                  | -16.70       |
| 15960.000    | Peak                         | 40.94                             | 6.06         | 47.00                  | 74.00                  | -27.00       |

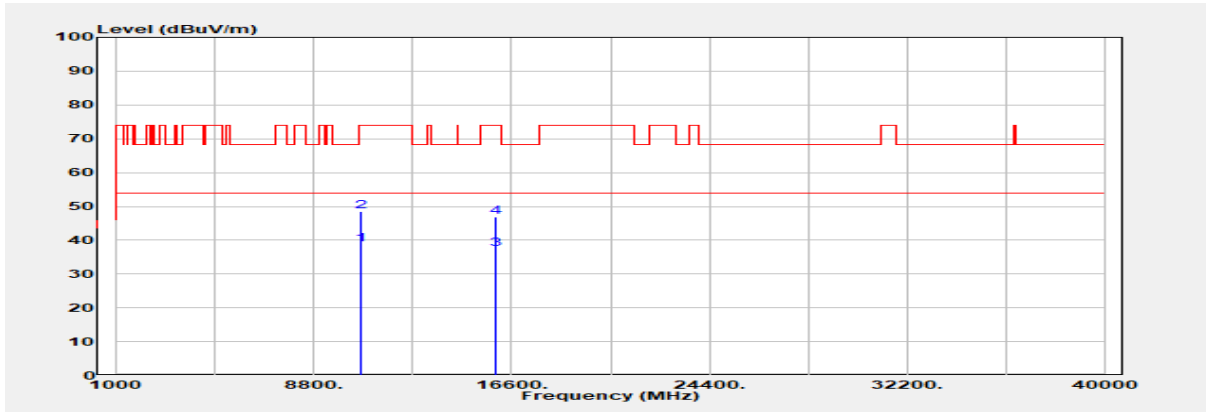
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5320 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



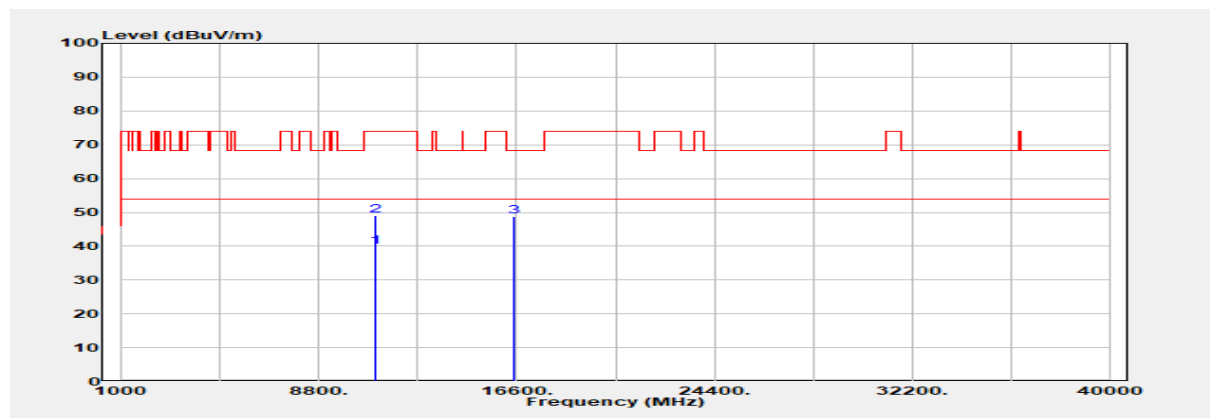
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.000    | Average                      | 29.65                             | 9.02         | 38.68                  | 54.00                  | -15.32       |
| 10640.000    | Peak                         | 39.38                             | 9.02         | 48.41                  | 74.00                  | -25.59       |
| 15960.000    | Average                      | 31.21                             | 6.06         | 37.27                  | 54.00                  | -16.73       |
| 15960.000    | Peak                         | 40.82                             | 6.06         | 46.88                  | 74.00                  | -27.12       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5500 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



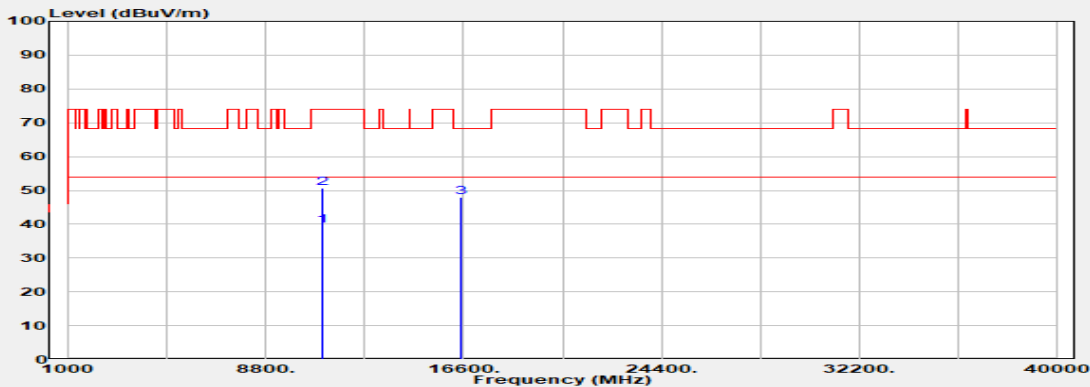
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.000    | Average                      | 30.49                             | 9.26         | 39.75                  | 54.00                  | -14.25       |
| 11000.000    | Peak                         | 39.80                             | 9.26         | 49.06                  | 74.00                  | -24.94       |
| 16500.000    | Peak                         | 40.82                             | 8.07         | 48.89                  | 68.20                  | -19.31       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5500 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



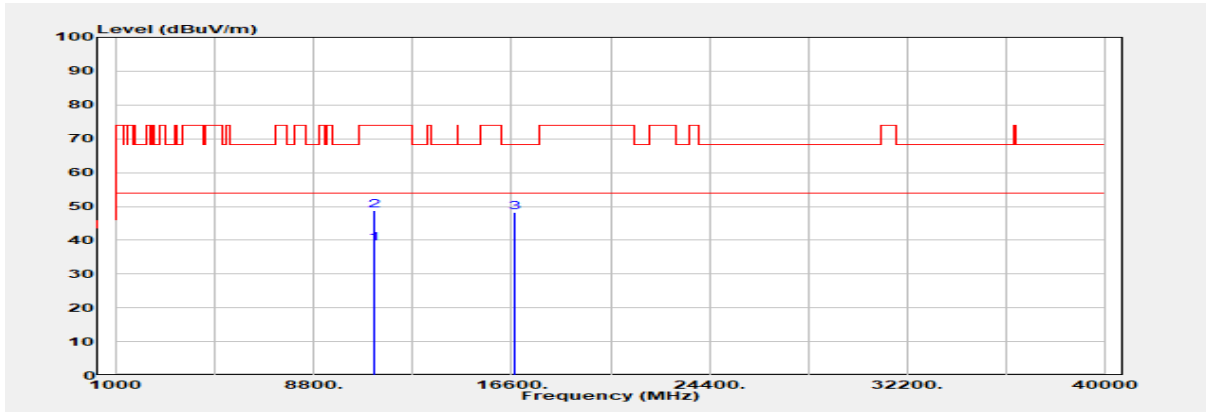
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.000    | Average                      | 30.41                             | 9.26         | 39.67                  | 54.00                  | -14.33       |
| 11000.000    | Peak                         | 41.31                             | 9.26         | 50.57                  | 74.00                  | -23.43       |
| 16500.000    | Peak                         | 40.02                             | 8.07         | 48.09                  | 68.20                  | -20.11       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5580 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



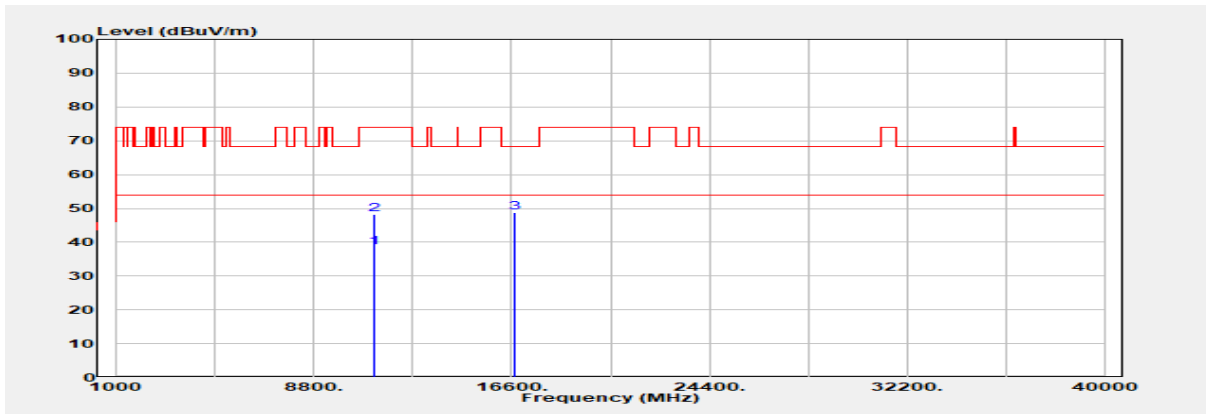
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.000    | Average                      | 30.78                             | 8.36         | 39.13                  | 54.00                  | -14.87       |
| 11160.000    | Peak                         | 40.38                             | 8.36         | 48.74                  | 74.00                  | -25.26       |
| 16740.000    | Peak                         | 40.11                             | 8.08         | 48.18                  | 68.20                  | -20.02       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5580 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



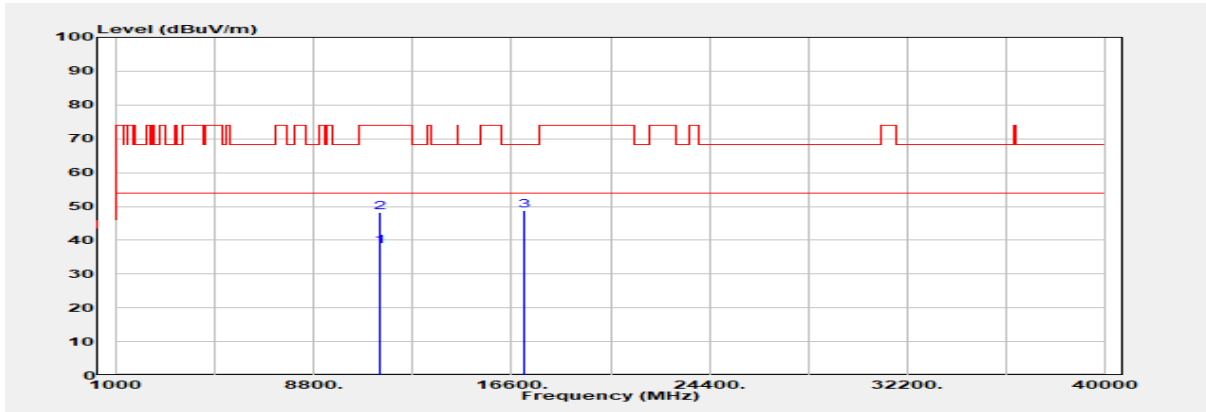
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.000    | Average                      | 30.08                             | 8.36         | 38.44                  | 54.00                  | -15.56       |
| 11160.000    | Peak                         | 39.96                             | 8.36         | 48.32                  | 74.00                  | -25.68       |
| 16740.000    | Peak                         | 40.73                             | 8.08         | 48.80                  | 68.20                  | -19.40       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5700 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



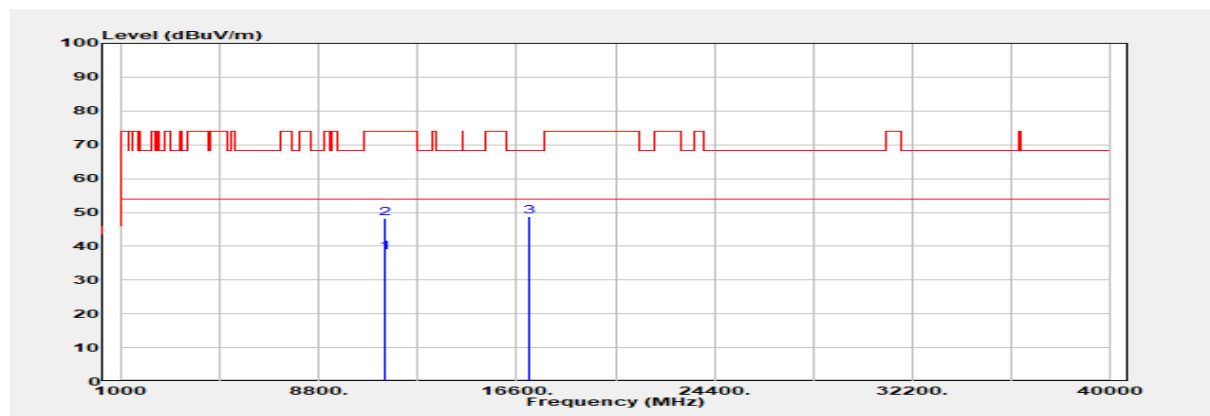
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.000    | Average                      | 29.55                             | 8.70         | 38.25                  | 54.00                  | -15.75       |
| 11400.000    | Peak                         | 39.64                             | 8.70         | 48.34                  | 74.00                  | -25.66       |
| 17100.000    | Peak                         | 40.57                             | 8.20         | 48.77                  | 68.20                  | -19.43       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5700 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



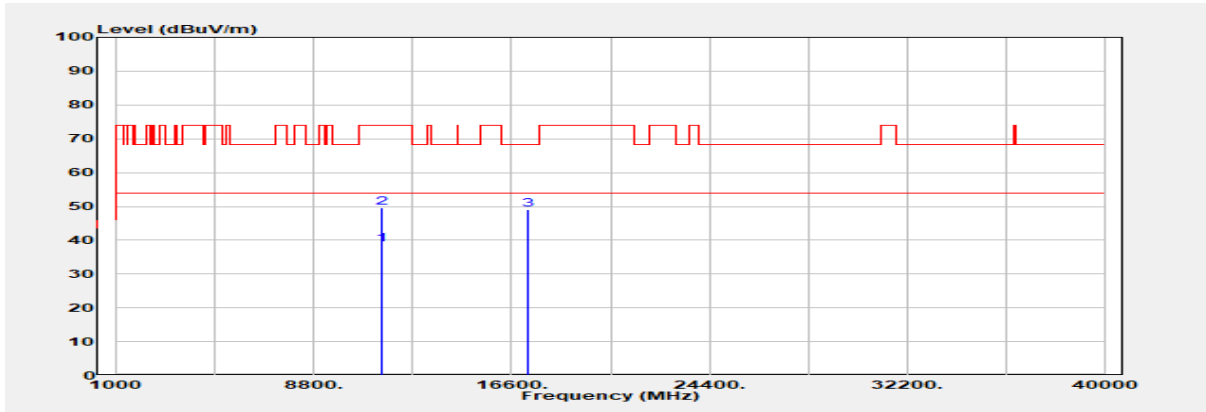
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.000    | Average                      | 29.56                             | 8.70         | 38.26                  | 54.00                  | -15.74       |
| 11400.000    | Peak                         | 39.66                             | 8.70         | 48.36                  | 74.00                  | -25.64       |
| 17100.000    | Peak                         | 40.61                             | 8.20         | 48.81                  | 68.20                  | -19.39       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5745 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.000    | Average                      | 30.07                             | 8.80         | 38.87                  | 54.00                  | -15.13       |
| 11490.000    | Peak                         | 40.75                             | 8.80         | 49.55                  | 74.00                  | -24.45       |
| 17235.000    | Peak                         | 40.43                             | 8.65         | 49.08                  | 68.20                  | -19.12       |

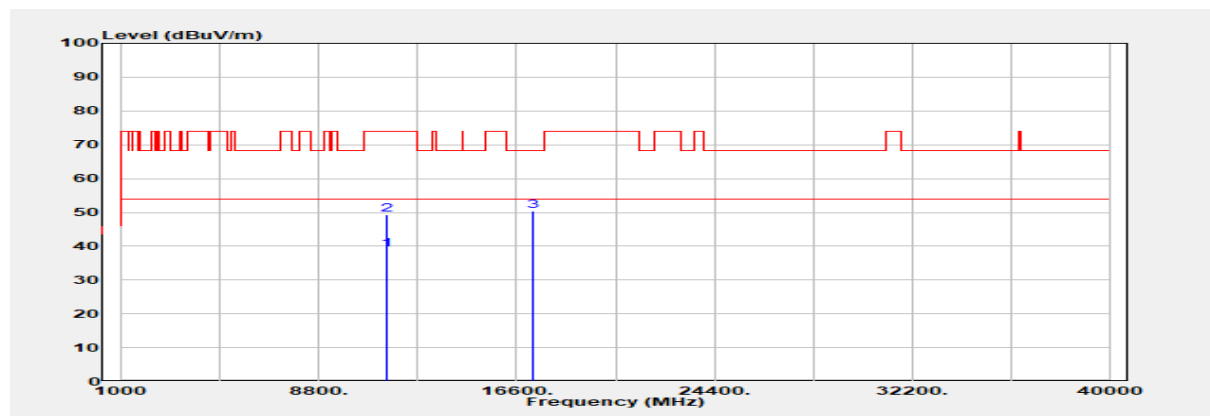
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5745 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



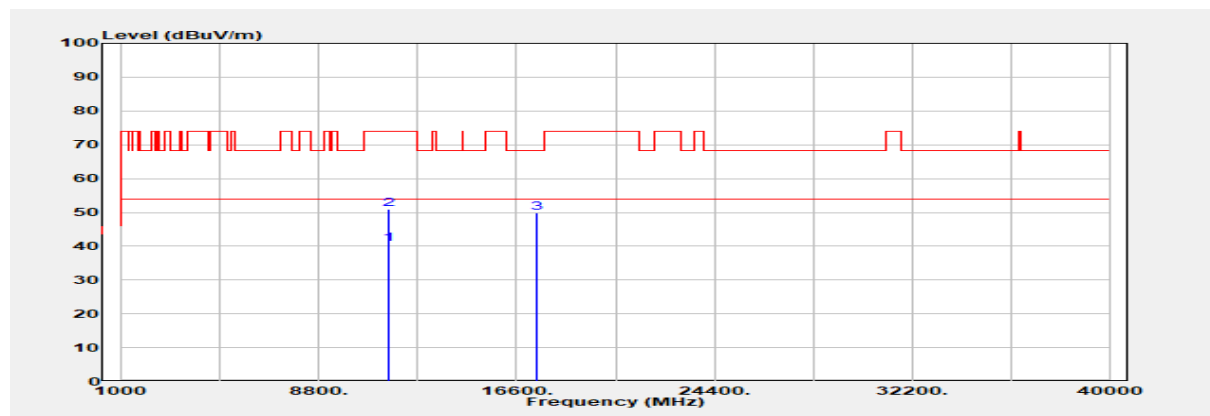
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.000    | Average                      | 30.15                             | 8.80         | 38.95                  | 54.00                  | -15.05       |
| 11490.000    | Peak                         | 40.49                             | 8.80         | 49.29                  | 74.00                  | -24.71       |
| 17235.000    | Peak                         | 41.72                             | 8.65         | 50.37                  | 68.20                  | -17.83       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5785 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



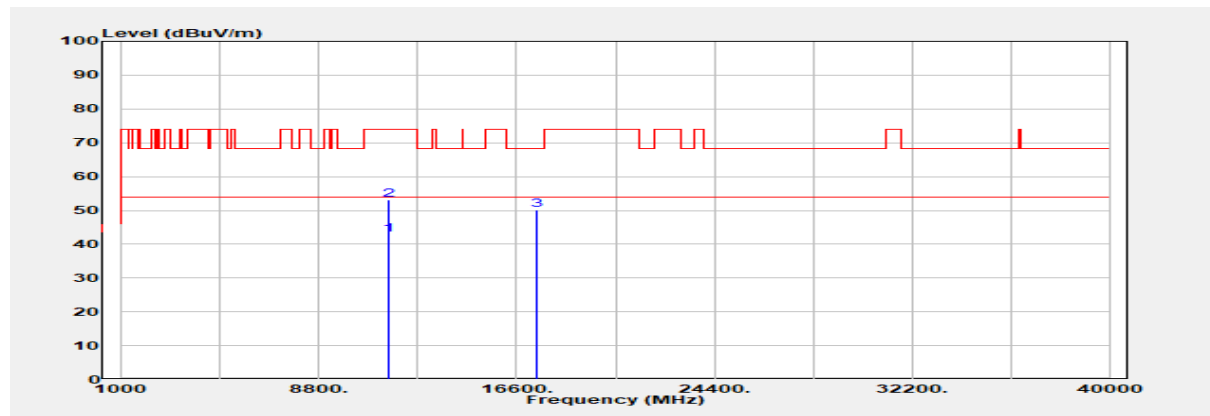
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.000    | Average                      | 32.73                             | 7.90         | 40.62                  | 54.00                  | -13.38       |
| 11570.000    | Peak                         | 43.09                             | 7.90         | 50.99                  | 74.00                  | -23.01       |
| 17355.000    | Peak                         | 40.13                             | 9.70         | 49.83                  | 68.20                  | -18.37       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5785 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



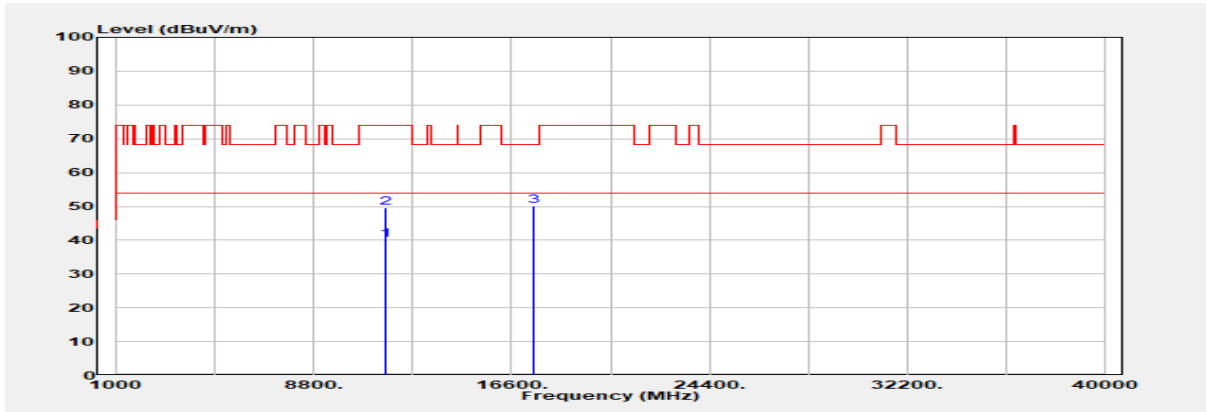
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.000    | Average                      | 34.84                             | 7.90         | 42.74                  | 54.00                  | -11.26       |
| 11570.000    | Peak                         | 45.29                             | 7.90         | 53.18                  | 74.00                  | -20.82       |
| 17355.000    | Peak                         | 40.51                             | 9.70         | 50.21                  | 68.20                  | -17.99       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5825 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



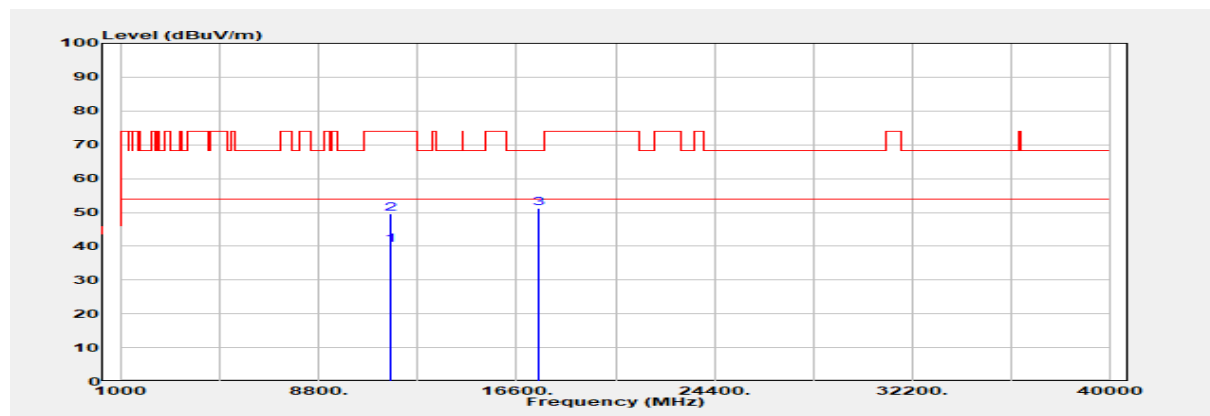
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.000    | Average                      | 32.43                             | 7.71         | 40.13                  | 54.00                  | -13.87       |
| 11650.000    | Peak                         | 41.86                             | 7.71         | 49.57                  | 74.00                  | -24.43       |
| 17475.000    | Peak                         | 40.25                             | 9.98         | 50.23                  | 68.20                  | -17.97       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5825 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



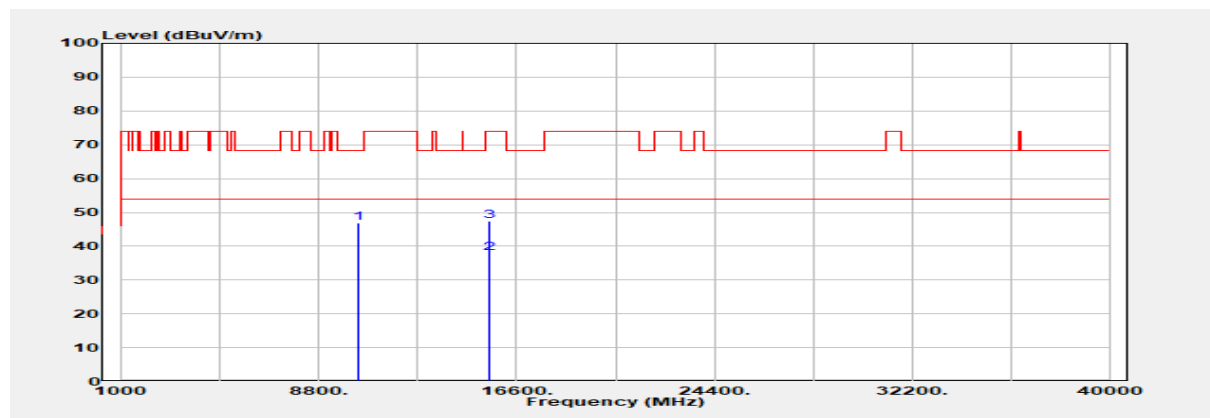
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.000    | Average                      | 32.55                             | 7.71         | 40.25                  | 54.00                  | -13.75       |
| 11650.000    | Peak                         | 42.01                             | 7.71         | 49.71                  | 74.00                  | -24.29       |
| 17475.000    | Peak                         | 41.14                             | 9.98         | 51.12                  | 68.20                  | -17.08       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5180 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.000    | Peak                         | 37.93                             | 8.94         | 46.88                  | 68.20                  | -21.32       |
| 15540.000    | Average                      | 31.39                             | 6.52         | 37.91                  | 54.00                  | -16.09       |
| 15540.000    | Peak                         | 40.81                             | 6.52         | 47.33                  | 74.00                  | -26.67       |

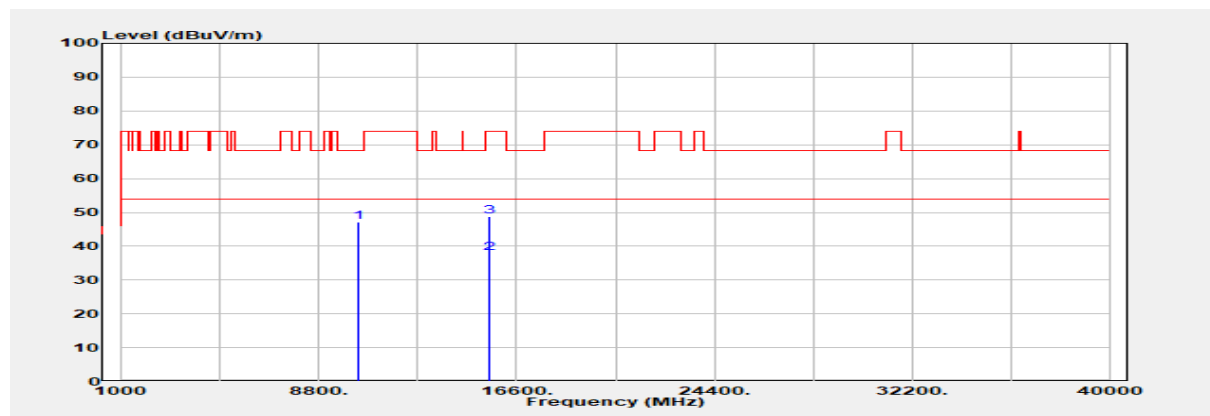
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5180 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



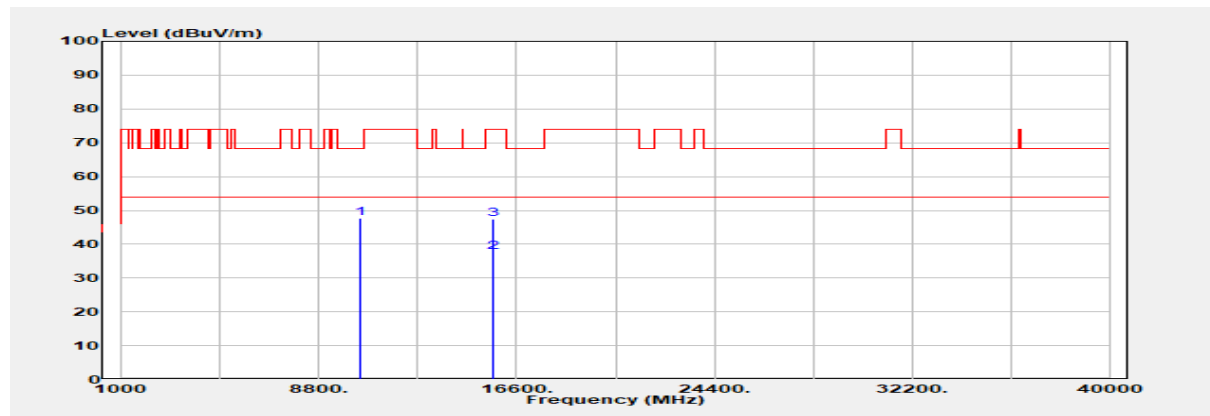
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.000    | Peak                         | 38.29                             | 8.94         | 47.24                  | 68.20                  | -20.96       |
| 15540.000    | Average                      | 31.42                             | 6.52         | 37.94                  | 54.00                  | -16.06       |
| 15540.000    | Peak                         | 42.15                             | 6.52         | 48.67                  | 74.00                  | -25.33       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5220 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.000    | Peak                         | 38.35                             | 9.37         | 47.73                  | 68.20                  | -20.47       |
| 15660.000    | Average                      | 31.51                             | 6.04         | 37.55                  | 54.00                  | -16.45       |
| 15660.000    | Peak                         | 41.50                             | 6.04         | 47.54                  | 74.00                  | -26.46       |

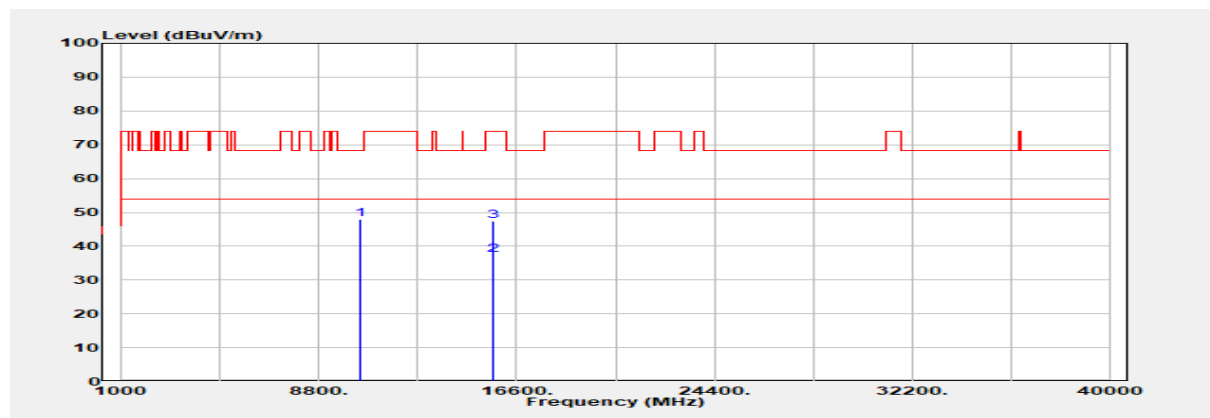
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5220 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



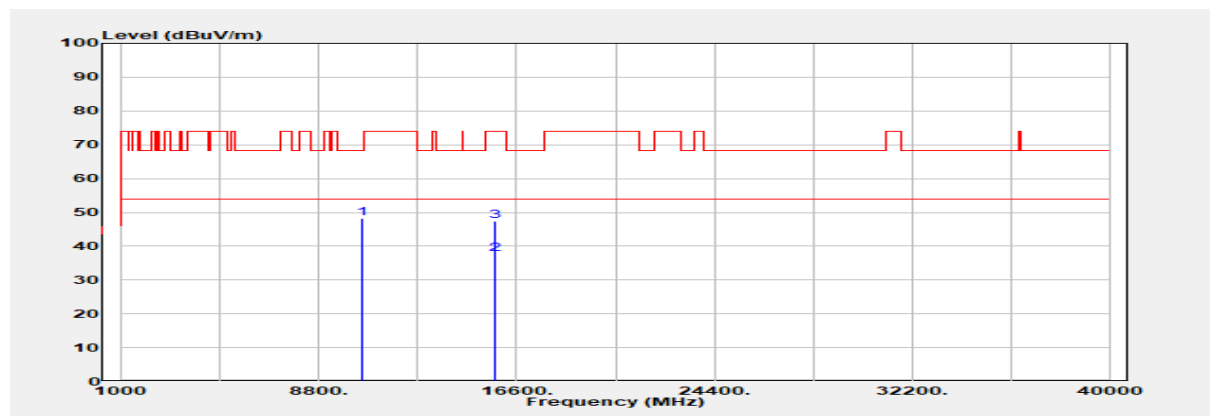
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.000    | Peak                         | 38.55                             | 9.37         | 47.92                  | 68.20                  | -20.28       |
| 15660.000    | Average                      | 31.47                             | 6.04         | 37.51                  | 54.00                  | -16.49       |
| 15660.000    | Peak                         | 41.45                             | 6.04         | 47.49                  | 74.00                  | -26.51       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5240 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.000    | Peak                         | 39.20                             | 9.01         | 48.22                  | 68.20                  | -19.98       |
| 15720.000    | Average                      | 31.53                             | 6.03         | 37.56                  | 54.00                  | -16.44       |
| 15720.000    | Peak                         | 41.44                             | 6.03         | 47.47                  | 74.00                  | -26.53       |

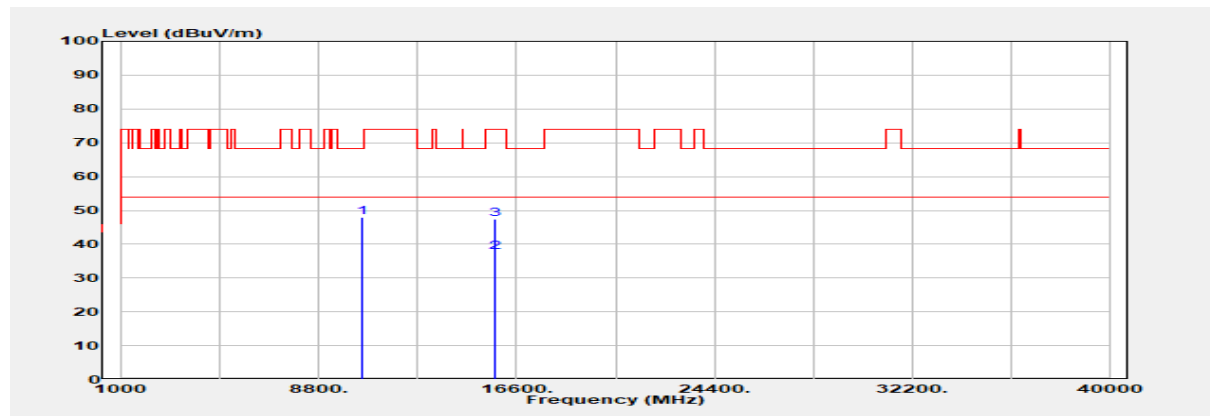
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5240 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



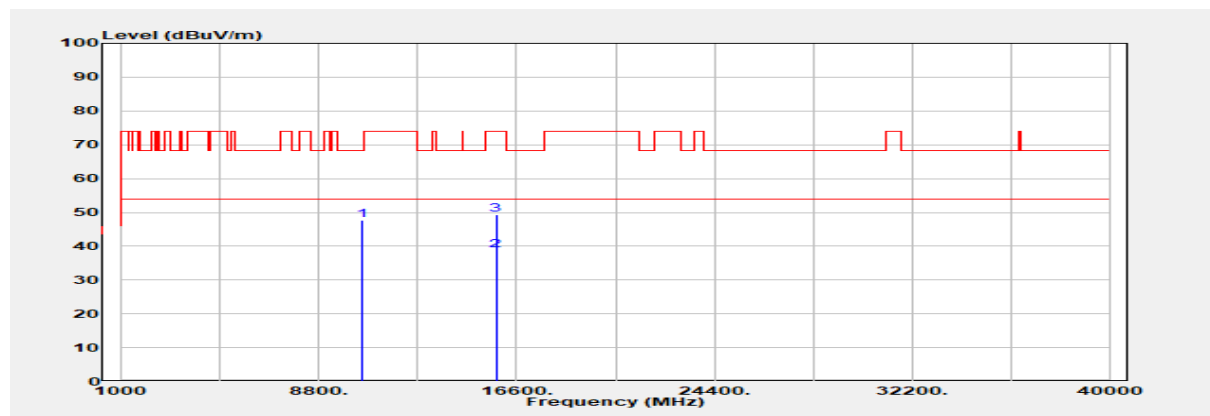
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.000    | Peak                         | 38.92                             | 9.01         | 47.94                  | 68.20                  | -20.26       |
| 15720.000    | Average                      | 31.51                             | 6.03         | 37.54                  | 54.00                  | -16.46       |
| 15720.000    | Peak                         | 41.44                             | 6.03         | 47.48                  | 74.00                  | -26.52       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5260 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.000    | Peak                         | 39.00                             | 8.82         | 47.82                  | 68.20                  | -20.38       |
| 15780.000    | Average                      | 33.08                             | 5.63         | 38.71                  | 54.00                  | -15.29       |
| 15780.000    | Peak                         | 43.68                             | 5.63         | 49.31                  | 74.00                  | -24.69       |

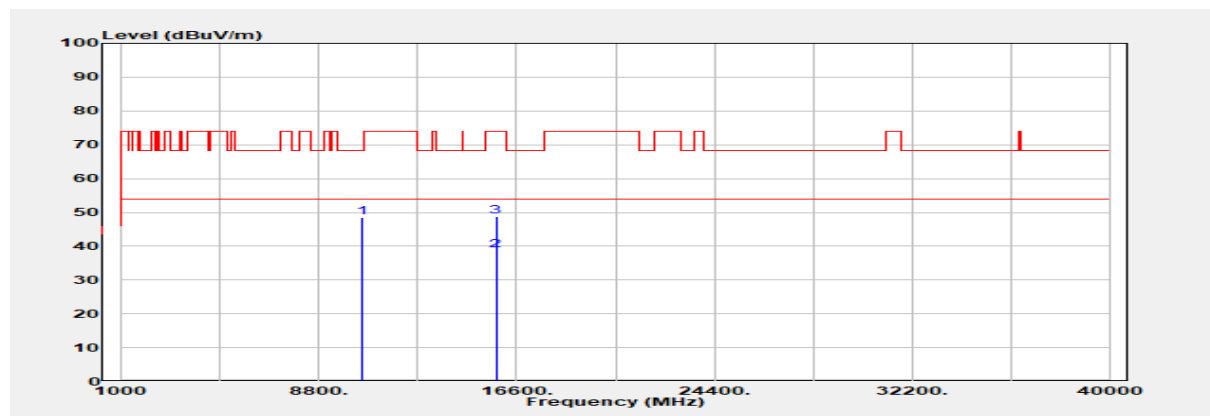
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5260 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



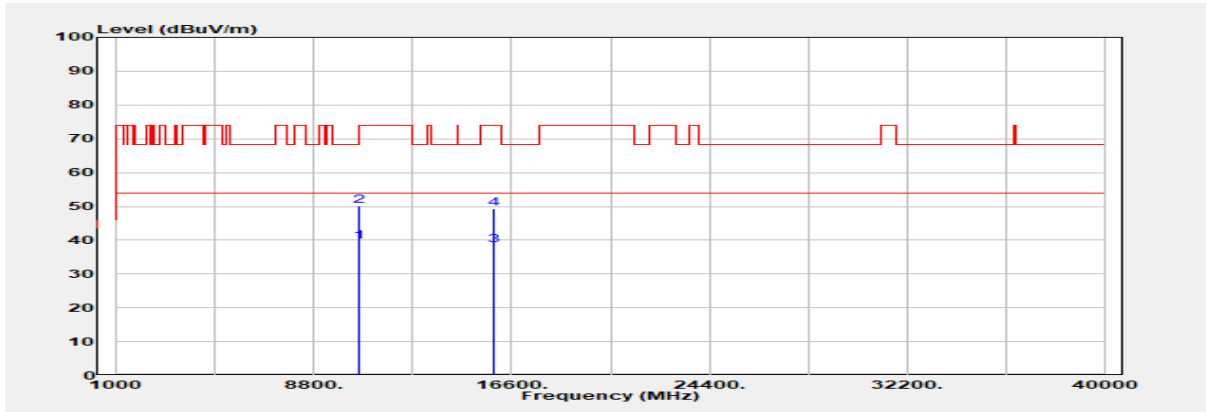
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.000    | Peak                         | 39.82                             | 8.82         | 48.64                  | 68.20                  | -19.56       |
| 15780.000    | Average                      | 33.11                             | 5.63         | 38.74                  | 54.00                  | -15.26       |
| 15780.000    | Peak                         | 43.09                             | 5.63         | 48.72                  | 74.00                  | -25.28       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5300 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



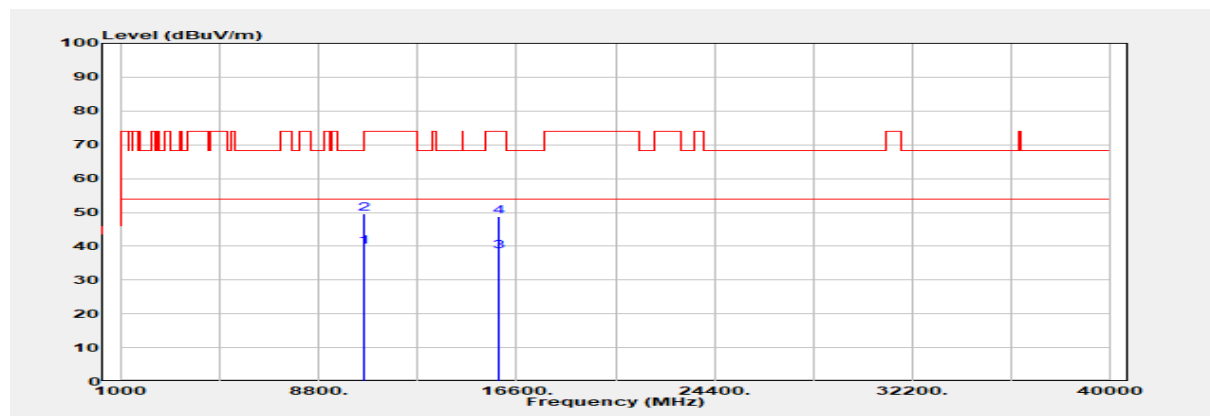
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10600.000    | Average                      | 31.09                             | 8.56         | 39.65                  | 54.00                  | -14.35       |
| 10600.000    | Peak                         | 41.67                             | 8.56         | 50.23                  | 74.00                  | -23.77       |
| 15900.000    | Average                      | 32.74                             | 5.73         | 38.47                  | 54.00                  | -15.53       |
| 15900.000    | Peak                         | 43.64                             | 5.73         | 49.37                  | 74.00                  | -24.63       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5300 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



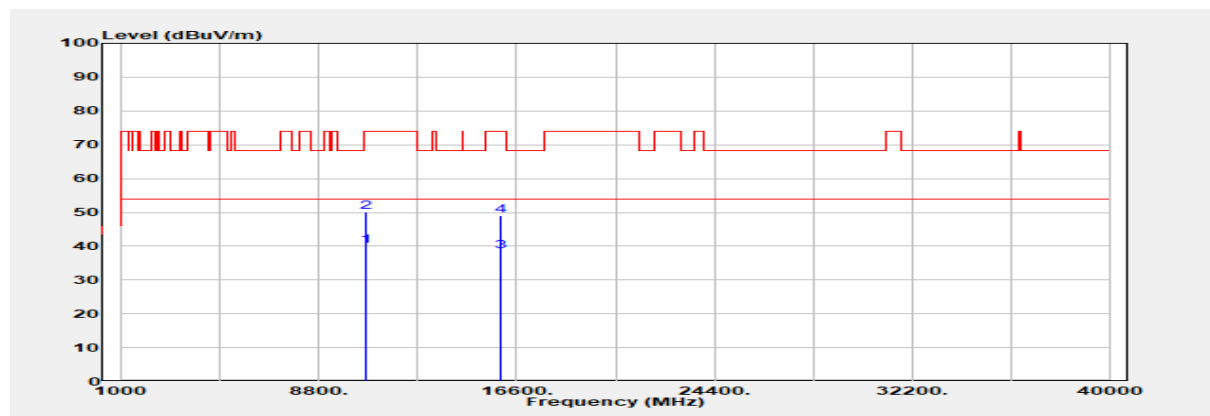
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10600.000    | Average                      | 31.19                             | 8.56         | 39.75                  | 54.00                  | -14.25       |
| 10600.000    | Peak                         | 41.12                             | 8.56         | 49.68                  | 74.00                  | -24.32       |
| 15900.000    | Average                      | 32.71                             | 5.73         | 38.44                  | 54.00                  | -15.56       |
| 15900.000    | Peak                         | 43.12                             | 5.73         | 48.85                  | 74.00                  | -25.15       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5320 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.000    | Average                      | 30.95                             | 9.02         | 39.97                  | 54.00                  | -14.03       |
| 10640.000    | Peak                         | 41.09                             | 9.02         | 50.11                  | 74.00                  | -23.89       |
| 15960.000    | Average                      | 32.50                             | 6.06         | 38.56                  | 54.00                  | -15.44       |
| 15960.000    | Peak                         | 43.11                             | 6.06         | 49.17                  | 74.00                  | -24.83       |

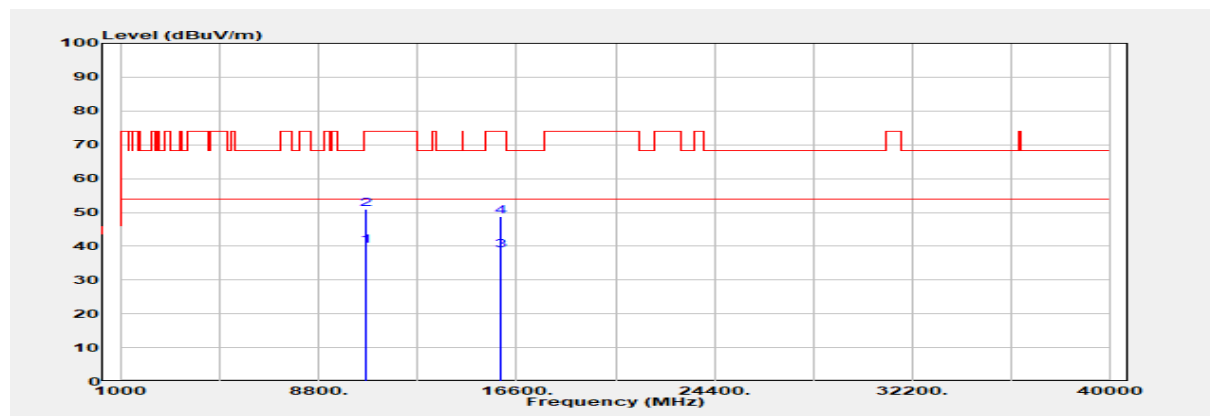
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5320 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



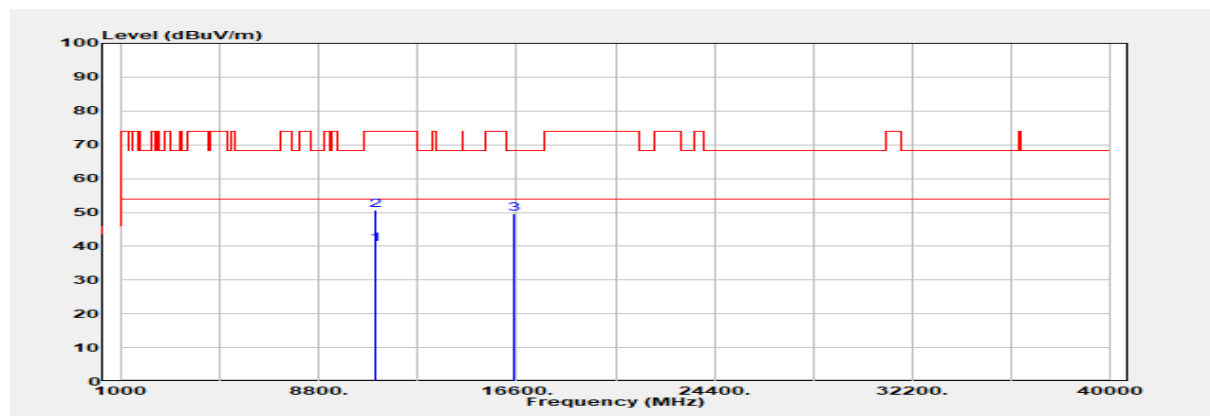
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.000    | Average                      | 31.01                             | 9.02         | 40.04                  | 54.00                  | -13.96       |
| 10640.000    | Peak                         | 41.89                             | 9.02         | 50.92                  | 74.00                  | -23.08       |
| 15960.000    | Average                      | 32.57                             | 6.06         | 38.63                  | 54.00                  | -15.37       |
| 15960.000    | Peak                         | 42.84                             | 6.06         | 48.90                  | 74.00                  | -25.10       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5500 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



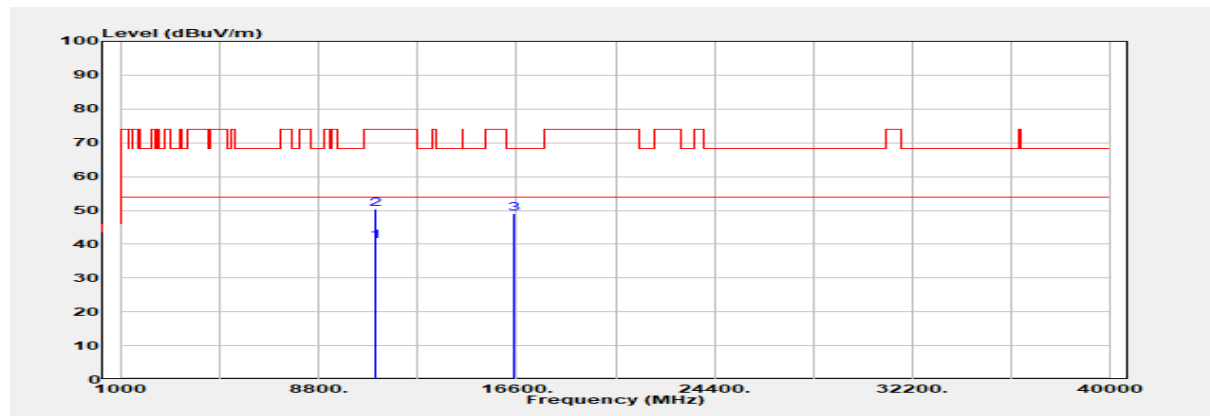
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.000    | Average                      | 31.49                             | 9.26         | 40.75                  | 54.00                  | -13.25       |
| 11000.000    | Peak                         | 41.32                             | 9.26         | 50.58                  | 74.00                  | -23.42       |
| 16500.000    | Peak                         | 41.44                             | 8.07         | 49.51                  | 68.20                  | -18.69       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5500 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



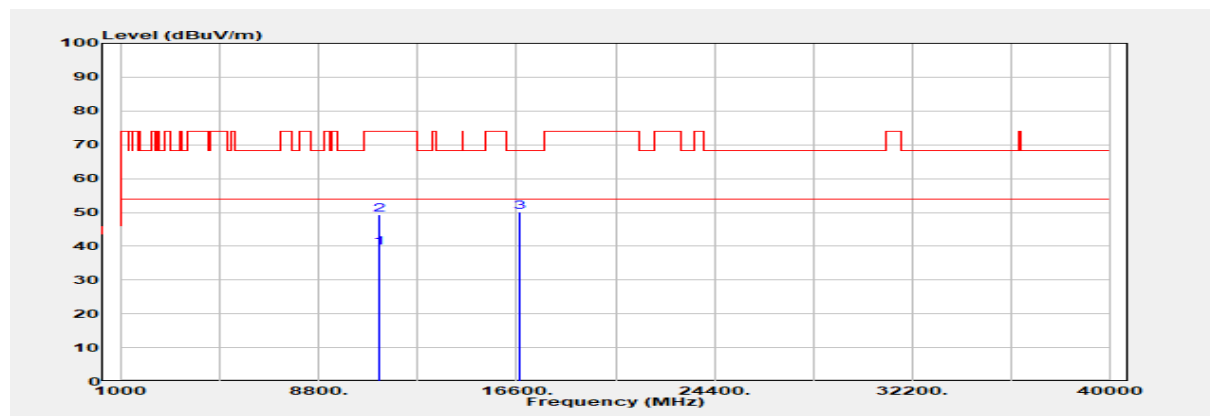
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.000    | Average                      | 31.53                             | 9.26         | 40.79                  | 54.00                  | -13.21       |
| 11000.000    | Peak                         | 41.18                             | 9.26         | 50.44                  | 74.00                  | -23.56       |
| 16500.000    | Peak                         | 41.04                             | 8.07         | 49.11                  | 68.20                  | -19.09       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5580 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.000    | Average                      | 31.10                             | 8.36         | 39.46                  | 54.00                  | -14.54       |
| 11160.000    | Peak                         | 40.96                             | 8.36         | 49.31                  | 74.00                  | -24.69       |
| 16740.000    | Peak                         | 41.97                             | 8.08         | 50.05                  | 68.20                  | -18.15       |

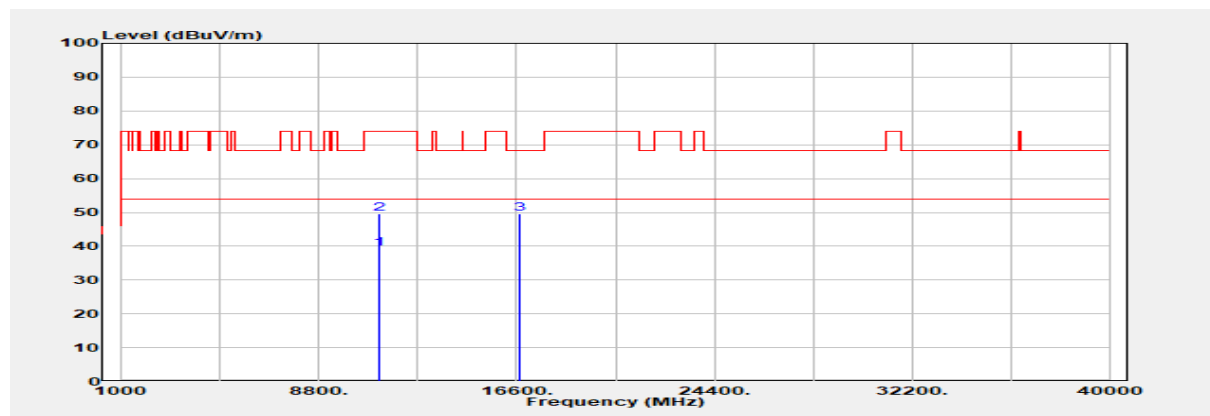
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5580 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.000    | Average                      | 31.01                             | 8.36         | 39.37                  | 54.00                  | -14.63       |
| 11160.000    | Peak                         | 41.10                             | 8.36         | 49.46                  | 74.00                  | -24.54       |
| 16740.000    | Peak                         | 41.47                             | 8.08         | 49.54                  | 68.20                  | -18.66       |

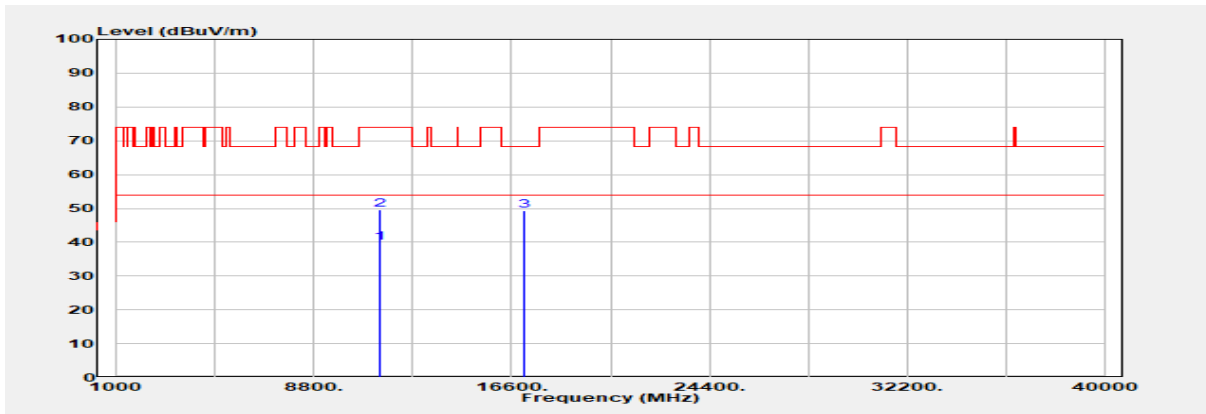
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5700 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



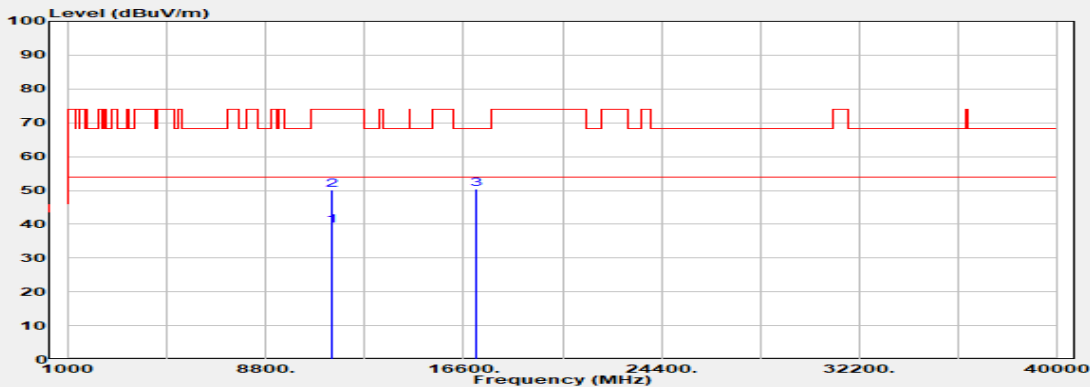
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.000    | Average                      | 31.08                             | 8.70         | 39.78                  | 54.00                  | -14.22       |
| 11400.000    | Peak                         | 40.85                             | 8.70         | 49.55                  | 74.00                  | -24.45       |
| 17100.000    | Peak                         | 41.02                             | 8.20         | 49.22                  | 68.20                  | -18.98       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5700 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



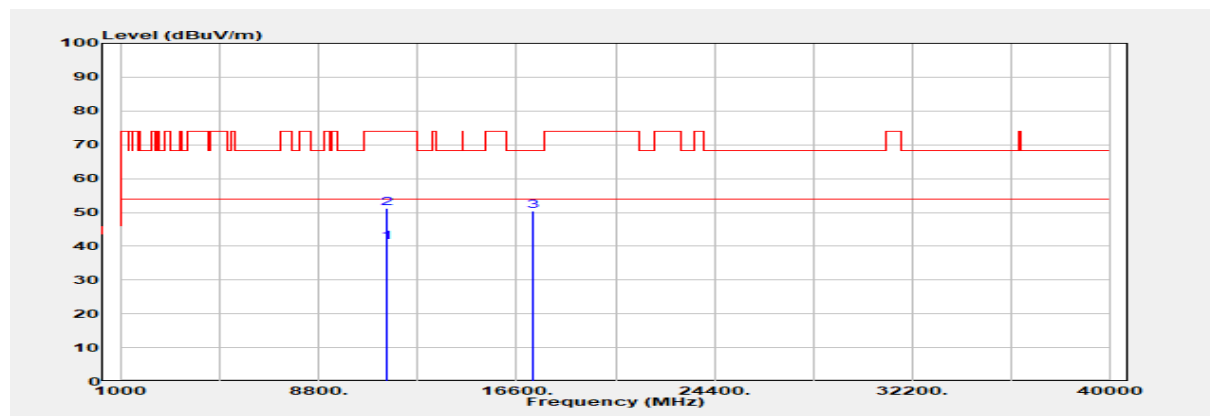
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.000    | Average                      | 30.97                             | 8.70         | 39.67                  | 54.00                  | -14.33       |
| 11400.000    | Peak                         | 41.56                             | 8.70         | 50.26                  | 74.00                  | -23.74       |
| 17100.000    | Peak                         | 42.13                             | 8.20         | 50.33                  | 68.20                  | -17.87       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5745 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.000    | Average                      | 32.35                             | 8.80         | 41.15                  | 54.00                  | -12.85       |
| 11490.000    | Peak                         | 42.37                             | 8.80         | 51.17                  | 74.00                  | -22.83       |
| 17235.000    | Peak                         | 41.72                             | 8.65         | 50.37                  | 68.20                  | -17.83       |

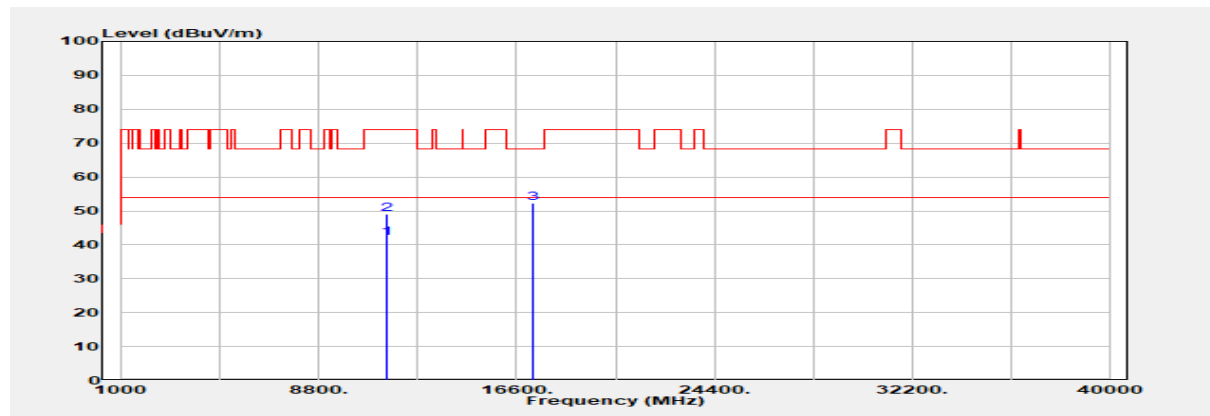
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5745 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C /56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



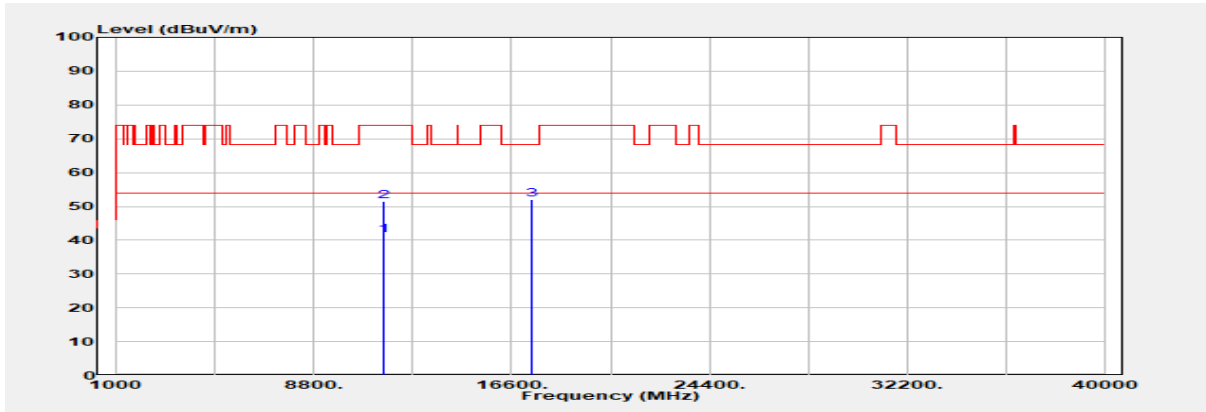
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.000    | Average                      | 33.11                             | 8.80         | 41.91                  | 54.00                  | -12.09       |
| 11490.000    | Peak                         | 40.25                             | 8.80         | 49.05                  | 74.00                  | -24.95       |
| 17235.000    | Peak                         | 43.56                             | 8.65         | 52.21                  | 68.20                  | -15.99       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5785 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



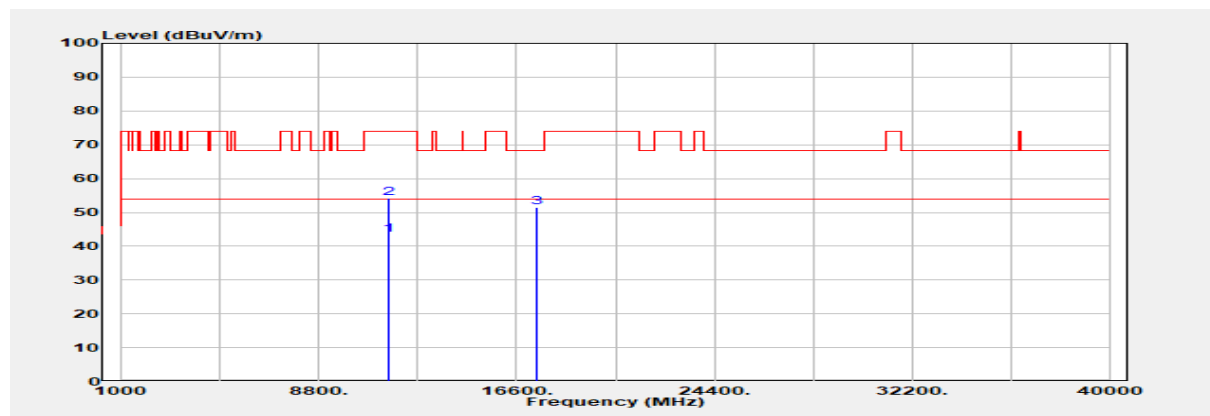
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.000    | Average                      | 33.53                             | 7.90         | 41.43                  | 54.00                  | -12.57       |
| 11570.000    | Peak                         | 43.46                             | 7.90         | 51.36                  | 74.00                  | -22.64       |
| 17355.000    | Peak                         | 42.26                             | 9.70         | 51.96                  | 68.20                  | -16.24       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5785 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



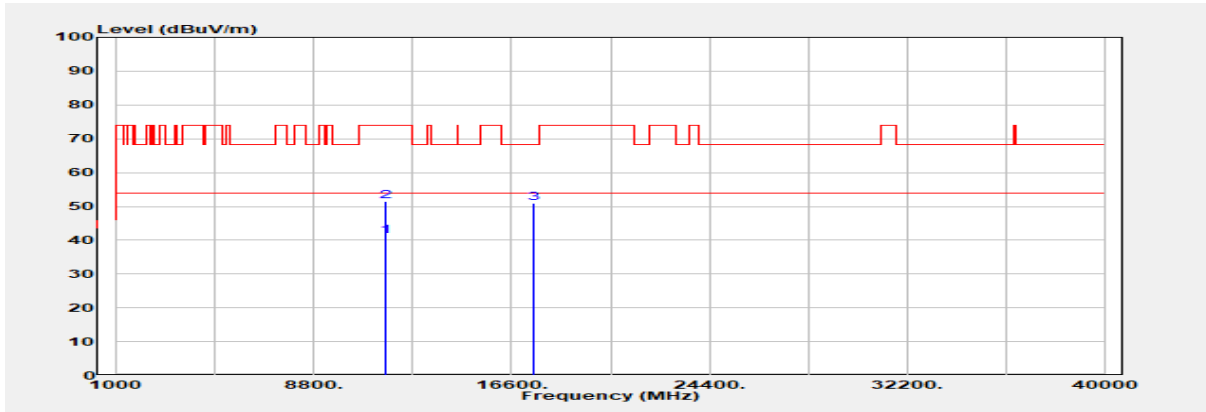
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.000    | Average                      | 35.43                             | 7.90         | 43.33                  | 54.00                  | -10.67       |
| 11570.000    | Peak                         | 46.38                             | 7.90         | 54.27                  | 74.00                  | -19.73       |
| 17355.000    | Peak                         | 41.72                             | 9.70         | 51.42                  | 68.20                  | -16.78       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5825 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



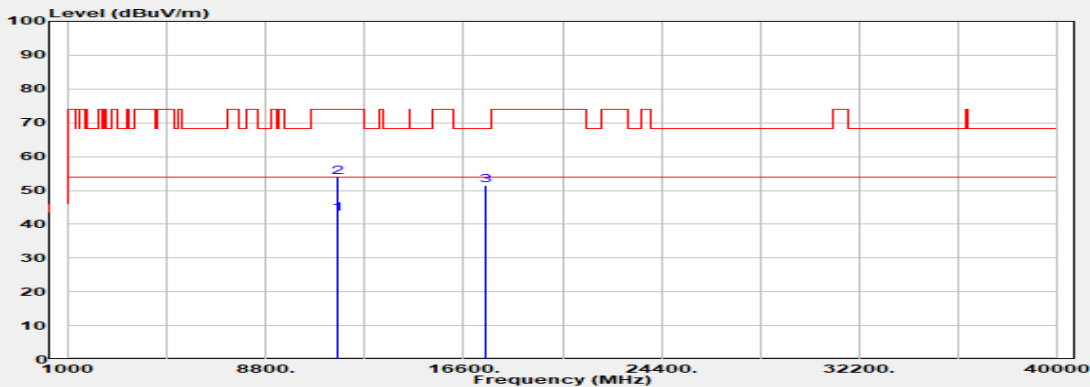
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.000    | Average                      | 33.59                             | 7.71         | 41.30                  | 54.00                  | -12.70       |
| 11650.000    | Peak                         | 43.92                             | 7.71         | 51.62                  | 74.00                  | -22.38       |
| 17475.000    | Peak                         | 41.06                             | 9.98         | 51.04                  | 68.20                  | -17.16       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5825 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



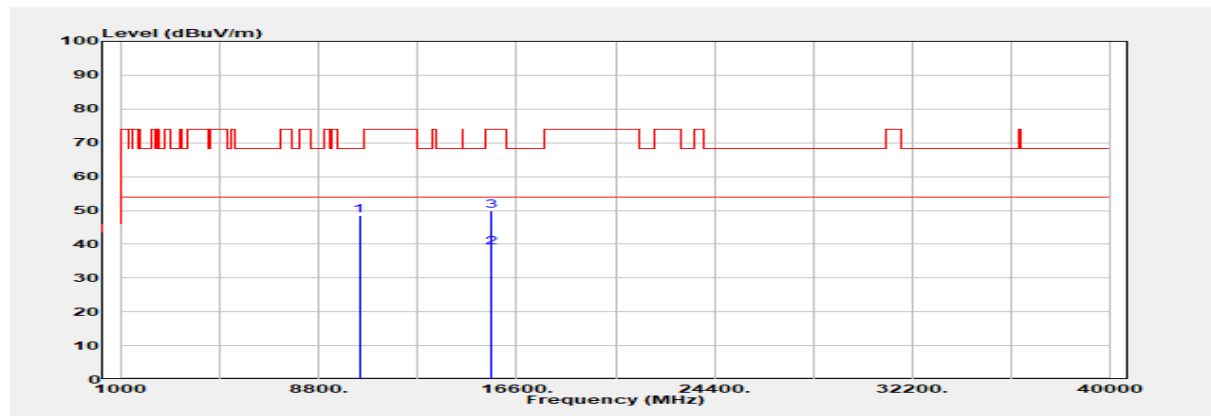
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.000    | Average                      | 35.32                             | 7.71         | 43.03                  | 54.00                  | -10.97       |
| 11650.000    | Peak                         | 46.36                             | 7.71         | 54.06                  | 74.00                  | -19.94       |
| 17475.000    | Peak                         | 41.53                             | 9.98         | 51.51                  | 68.20                  | -16.69       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5190 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



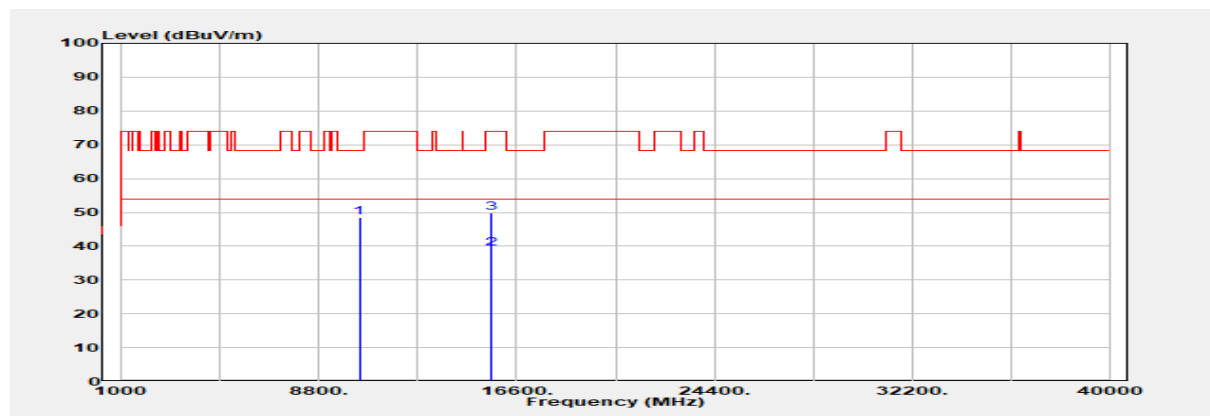
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10380.000    | Peak                         | 39.34                             | 9.23         | 48.57                  | 68.20                  | -19.63       |
| 15570.000    | Average                      | 32.85                             | 6.27         | 39.12                  | 54.00                  | -14.88       |
| 15570.000    | Peak                         | 43.48                             | 6.27         | 49.75                  | 74.00                  | -24.25       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5190 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



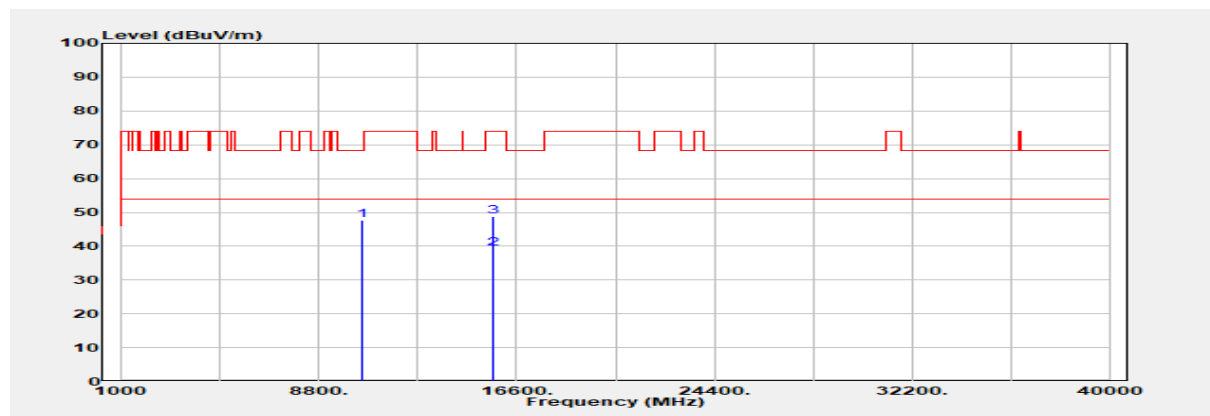
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10380.000    | Peak                         | 39.35                             | 9.23         | 48.58                  | 68.20                  | -19.62       |
| 15570.000    | Average                      | 32.92                             | 6.27         | 39.19                  | 54.00                  | -14.81       |
| 15570.000    | Peak                         | 43.64                             | 6.27         | 49.92                  | 74.00                  | -24.08       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5230 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10460.000    | Peak                         | 38.59                             | 9.23         | 47.81                  | 68.20                  | -20.39       |
| 15690.000    | Average                      | 33.03                             | 6.14         | 39.16                  | 54.00                  | -14.84       |
| 15690.000    | Peak                         | 42.73                             | 6.14         | 48.86                  | 74.00                  | -25.14       |

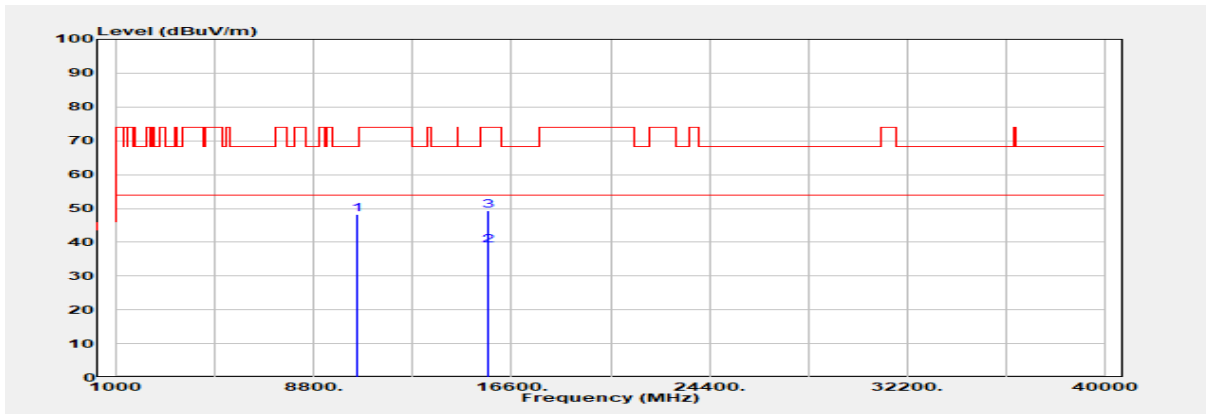
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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5230 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



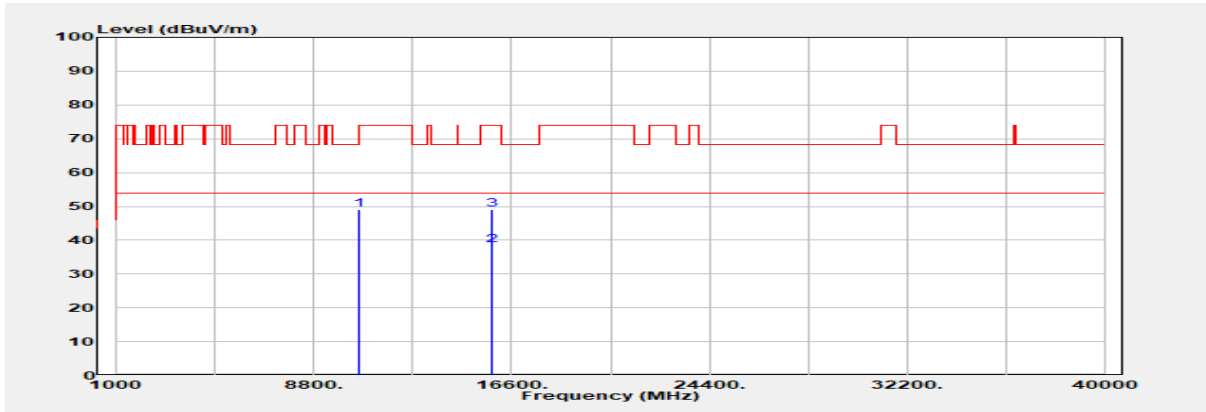
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10460.000    | Peak                         | 38.96                             | 9.23         | 48.19                  | 68.20                  | -20.01       |
| 15690.000    | Average                      | 32.97                             | 6.14         | 39.10                  | 54.00                  | -14.90       |
| 15690.000    | Peak                         | 43.24                             | 6.14         | 49.37                  | 74.00                  | -24.63       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5270 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



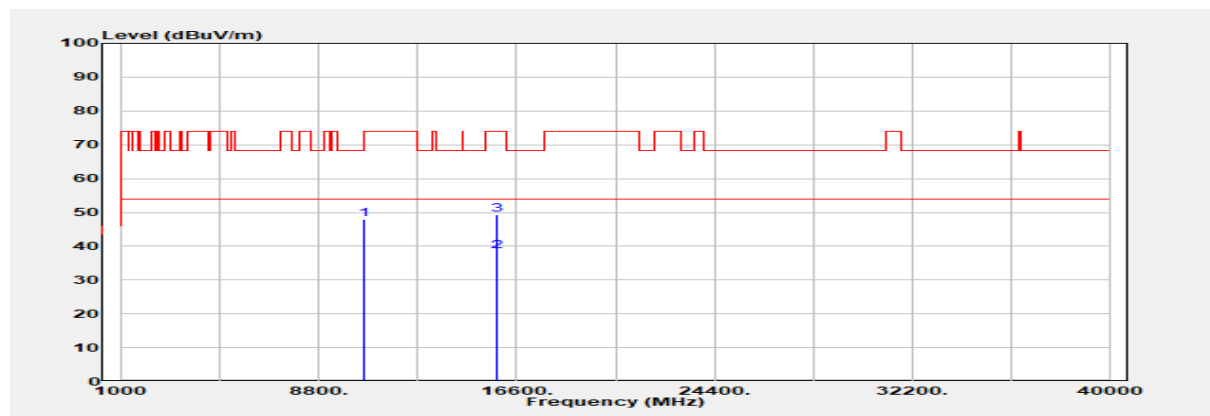
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10540.000    | Peak                         | 40.29                             | 8.84         | 49.13                  | 68.20                  | -19.07       |
| 15810.000    | Average                      | 33.07                             | 5.51         | 38.58                  | 54.00                  | -15.42       |
| 15810.000    | Peak                         | 43.52                             | 5.51         | 49.03                  | 74.00                  | -24.97       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5270 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



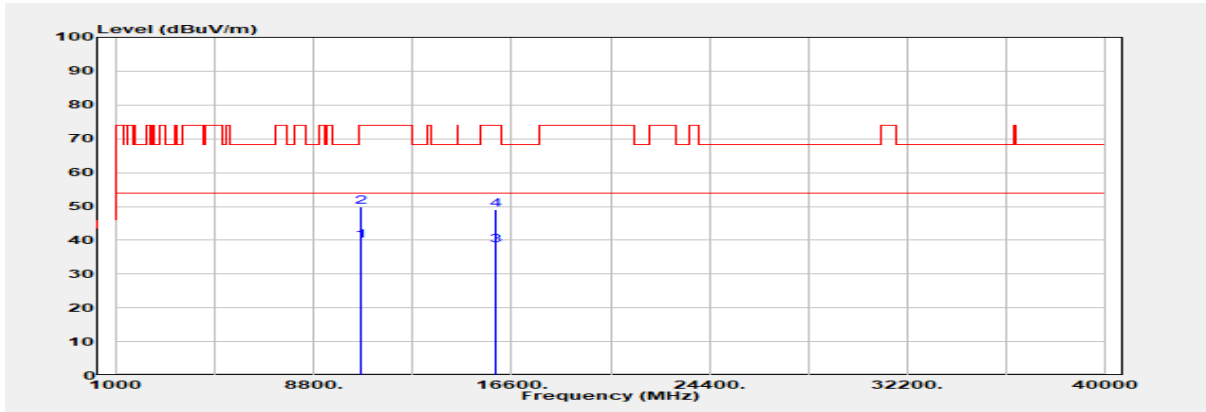
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10540.000    | Peak                         | 39.12                             | 8.84         | 47.96                  | 68.20                  | -20.24       |
| 15810.000    | Average                      | 33.02                             | 5.51         | 38.53                  | 54.00                  | -15.47       |
| 15810.000    | Peak                         | 43.73                             | 5.51         | 49.24                  | 74.00                  | -24.76       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5310 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



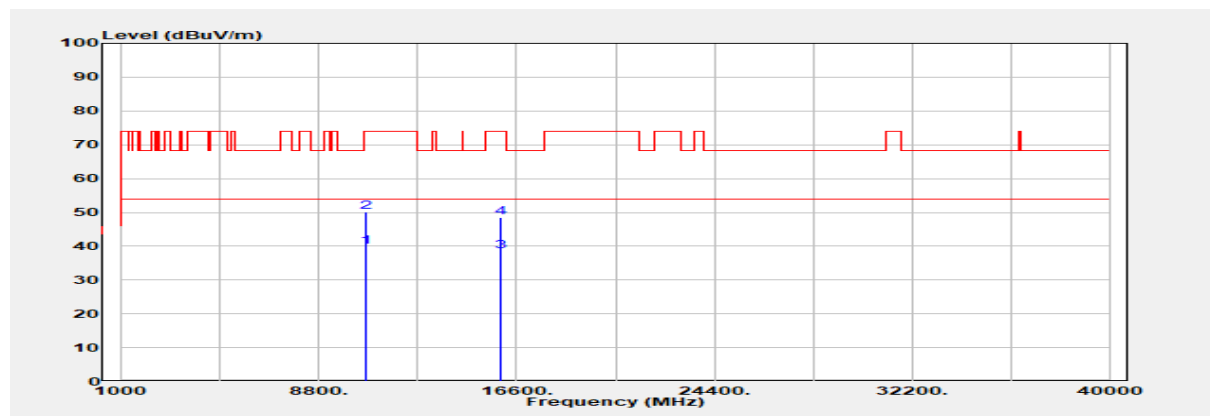
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10620.000    | Average                      | 31.05                             | 8.79         | 39.84                  | 54.00                  | -14.16       |
| 10620.000    | Peak                         | 41.21                             | 8.79         | 50.00                  | 74.00                  | -24.00       |
| 15930.000    | Average                      | 32.57                             | 5.90         | 38.48                  | 54.00                  | -15.52       |
| 15930.000    | Peak                         | 43.15                             | 5.90         | 49.05                  | 74.00                  | -24.95       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5310 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



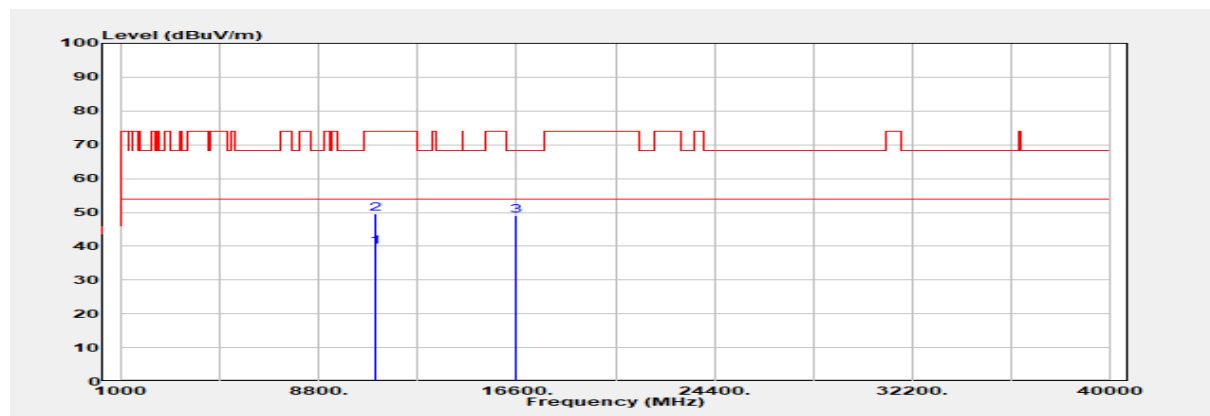
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10620.000    | Average                      | 31.06                             | 8.79         | 39.85                  | 54.00                  | -14.15       |
| 10620.000    | Peak                         | 41.26                             | 8.79         | 50.05                  | 74.00                  | -23.95       |
| 15930.000    | Average                      | 32.54                             | 5.90         | 38.44                  | 54.00                  | -15.56       |
| 15930.000    | Peak                         | 42.68                             | 5.90         | 48.58                  | 74.00                  | -25.42       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5510 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



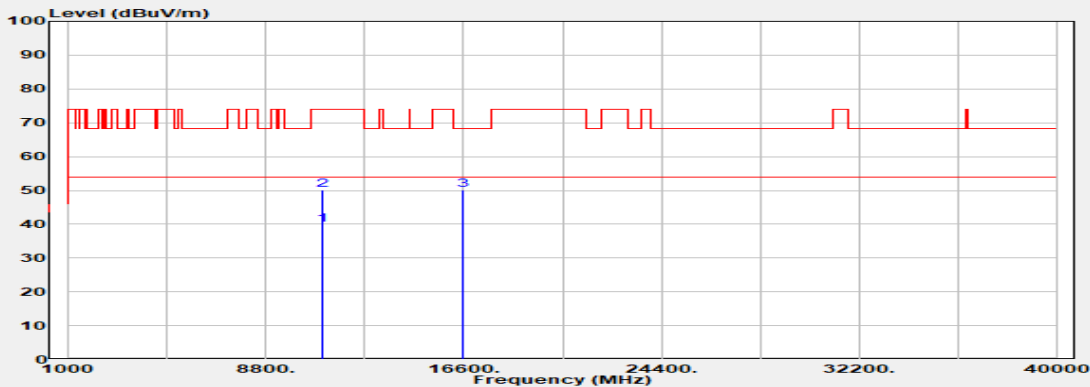
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11020.000    | Average                      | 30.96                             | 8.88         | 39.84                  | 54.00                  | -14.16       |
| 11020.000    | Peak                         | 40.60                             | 8.88         | 49.49                  | 74.00                  | -24.51       |
| 16530.000    | Peak                         | 41.21                             | 7.96         | 49.17                  | 68.20                  | -19.03       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5510 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



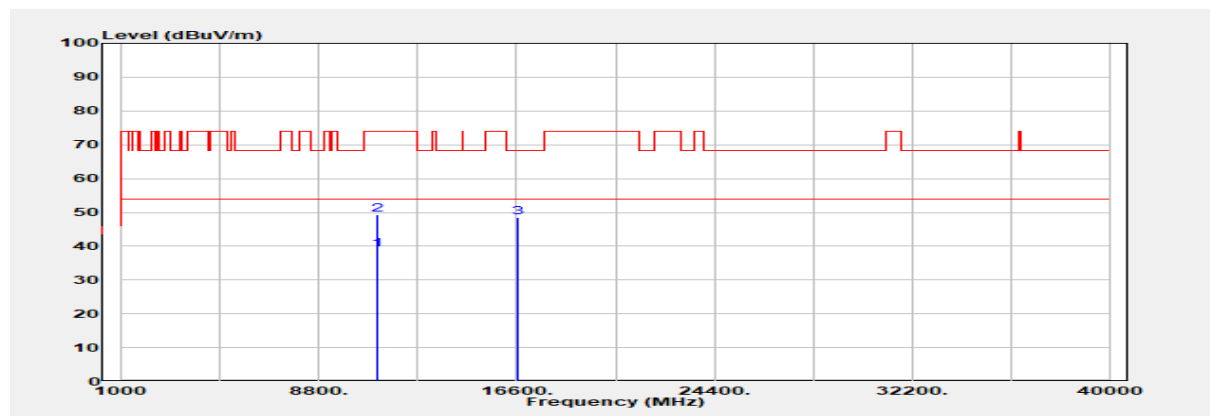
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11020.000    | Average                      | 30.95                             | 8.88         | 39.83                  | 54.00                  | -14.17       |
| 11020.000    | Peak                         | 41.22                             | 8.88         | 50.10                  | 74.00                  | -23.90       |
| 16530.000    | Peak                         | 42.15                             | 7.96         | 50.10                  | 68.20                  | -18.10       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5550 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11100.000    | Average                      | 31.13                             | 7.87         | 39.00                  | 54.00                  | -15.00       |
| 11100.000    | Peak                         | 41.38                             | 7.87         | 49.25                  | 74.00                  | -24.75       |
| 16650.000    | Peak                         | 40.79                             | 7.78         | 48.56                  | 68.20                  | -19.64       |

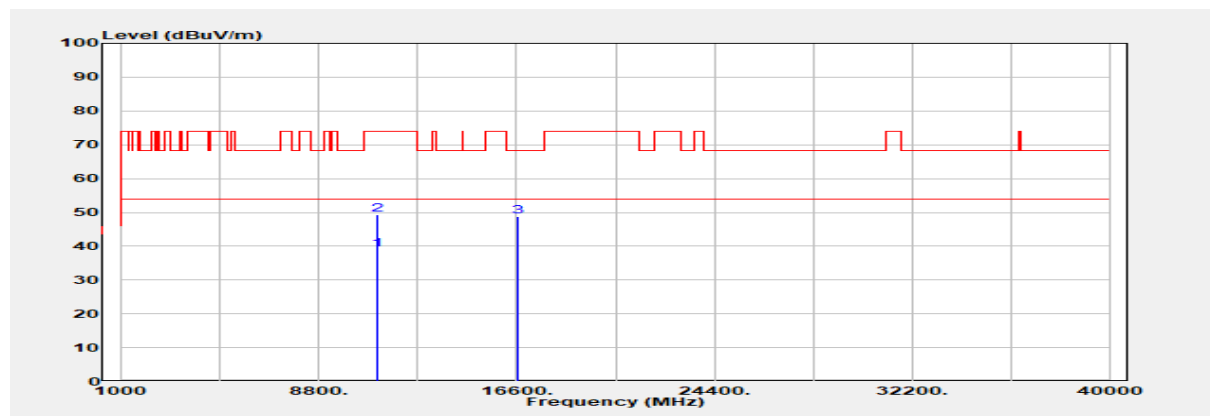
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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5550 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



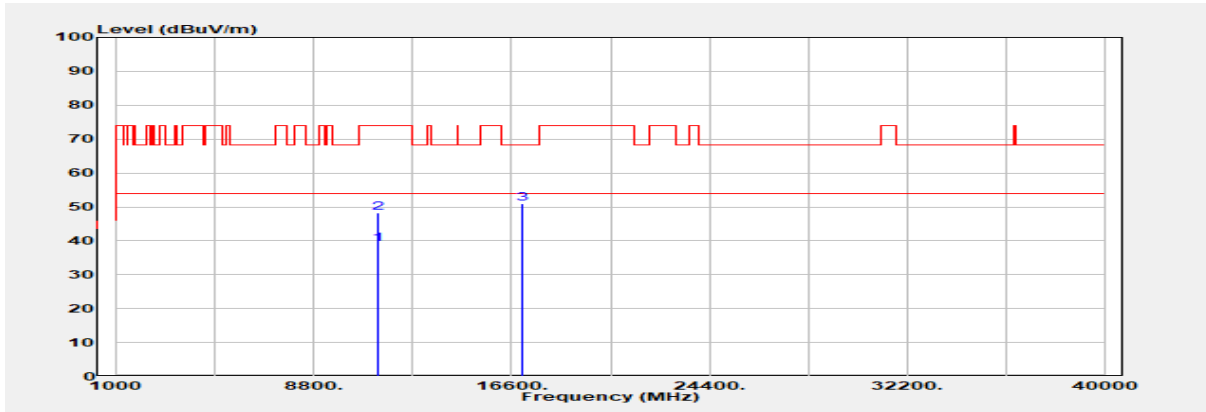
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11100.000    | Average                      | 31.12                             | 7.87         | 38.99                  | 54.00                  | -15.01       |
| 11100.000    | Peak                         | 41.37                             | 7.87         | 49.24                  | 74.00                  | -24.76       |
| 16650.000    | Peak                         | 41.14                             | 7.78         | 48.91                  | 68.20                  | -19.29       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5670 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11340.000    | Average                      | 30.78                             | 8.26         | 39.04                  | 54.00                  | -14.96       |
| 11340.000    | Peak                         | 40.03                             | 8.26         | 48.29                  | 74.00                  | -25.71       |
| 17010.000    | Peak                         | 42.28                             | 8.67         | 50.95                  | 68.20                  | -17.25       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5670 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C /56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11340.000    | Average                      | 30.12                             | 8.26         | 38.38                  | 54.00                  | -15.62       |
| 11340.000    | Peak                         | 40.62                             | 8.26         | 48.88                  | 74.00                  | -25.12       |
| 17010.000    | Peak                         | 42.07                             | 8.67         | 50.74                  | 68.20                  | -17.46       |

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Report Number :TERF2408002261E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2024-08-20

Test Frequency :5755 MHz

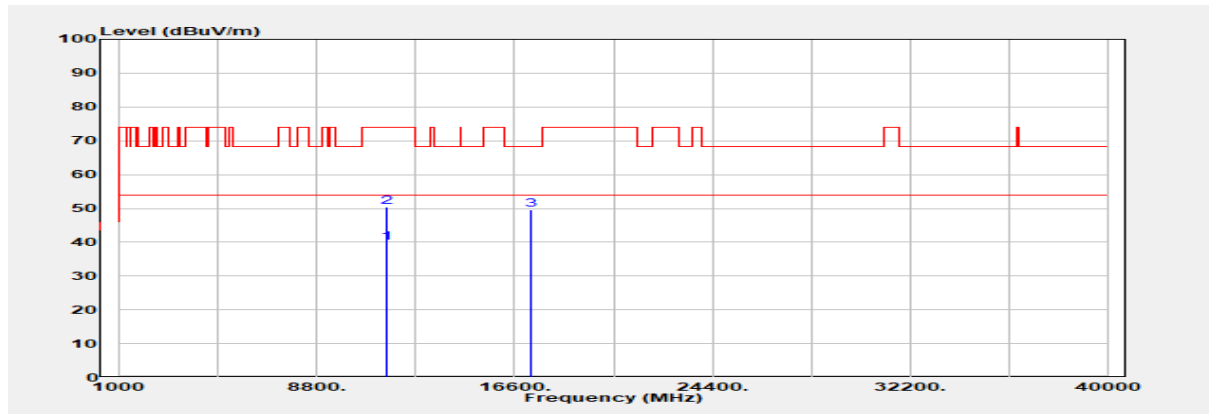
Temp./Humi. :20.6°C/56%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Alex Li



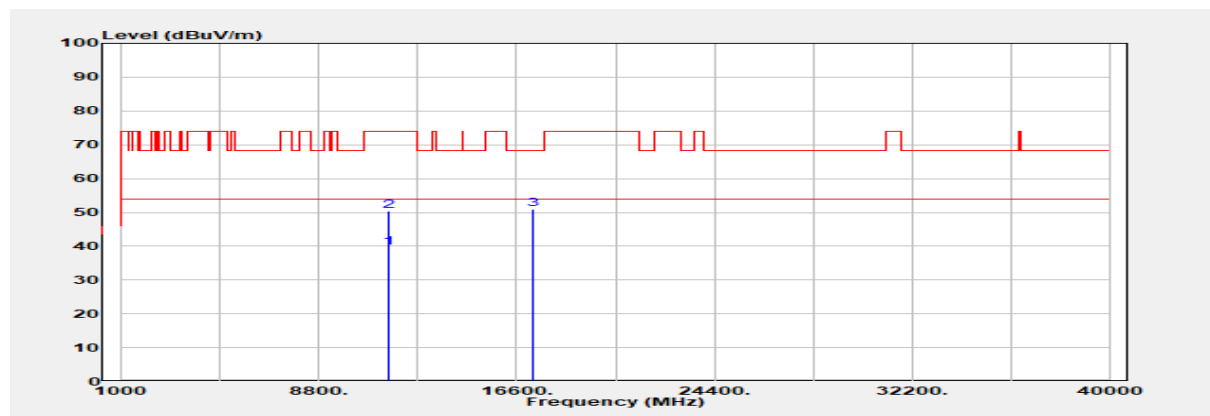
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11510.000    | Average                      | 31.07                             | 8.75         | 39.82                  | 54.00                  | -14.18       |
| 11510.000    | Peak                         | 41.69                             | 8.75         | 50.44                  | 74.00                  | -23.56       |
| 17265.000    | Peak                         | 41.12                             | 8.60         | 49.72                  | 68.20                  | -18.48       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5755 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



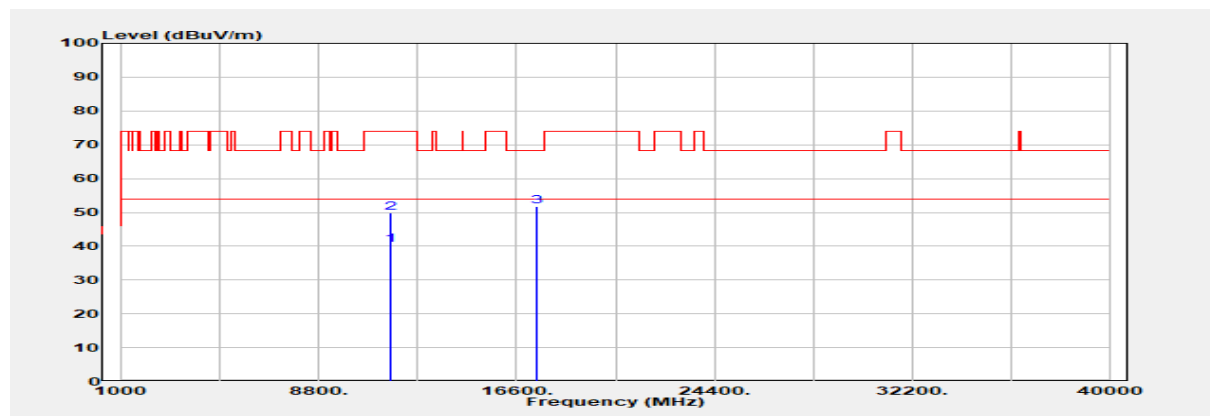
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11510.000    | Average                      | 30.95                             | 8.75         | 39.69                  | 54.00                  | -14.31       |
| 11510.000    | Peak                         | 41.59                             | 8.75         | 50.33                  | 74.00                  | -23.67       |
| 17265.000    | Peak                         | 42.26                             | 8.60         | 50.86                  | 68.20                  | -17.34       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5795 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-20  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11590.000    | Average                      | 32.88                             | 7.57         | 40.45                  | 54.00                  | -13.55       |
| 11590.000    | Peak                         | 42.22                             | 7.57         | 49.79                  | 74.00                  | -24.21       |
| 17385.000    | Peak                         | 41.59                             | 10.14        | 51.73                  | 68.20                  | -16.47       |

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Report Number :TERF2408002261E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2024-08-20

Test Frequency :5795 MHz

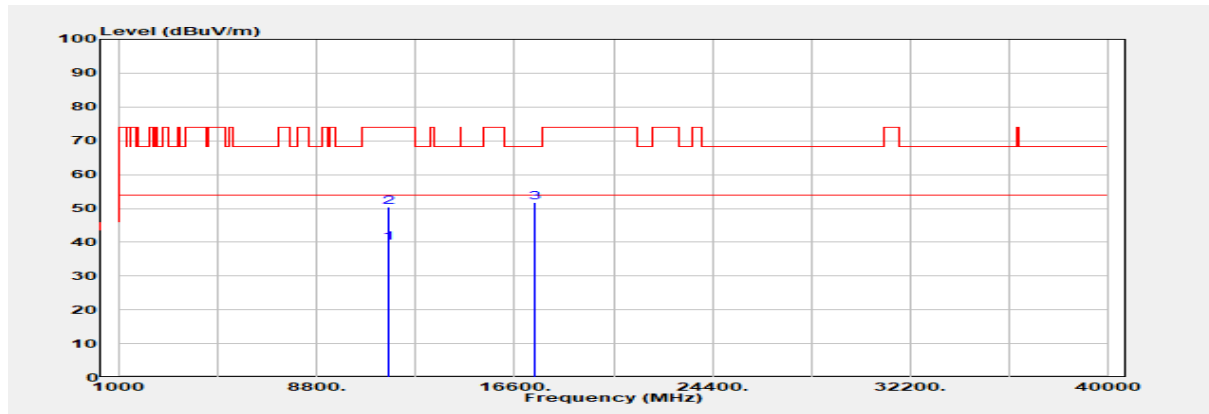
Temp./Humi. :20.6°C/56%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :H Plane

Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11590.000    | Average                      | 32.35                             | 7.57         | 39.92                  | 54.00                  | -14.08       |
| 11590.000    | Peak                         | 42.92                             | 7.57         | 50.49                  | 74.00                  | -23.51       |
| 17385.000    | Peak                         | 41.63                             | 10.14        | 51.77                  | 68.20                  | -16.43       |

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### 8.6.2 Band edge falling to restricted band

Report Number :TERF2408002261E2

Test Site :SAC C

Operation Mode :802.11a

Test Date :2024-08-16

Test Frequency :5180 MHz

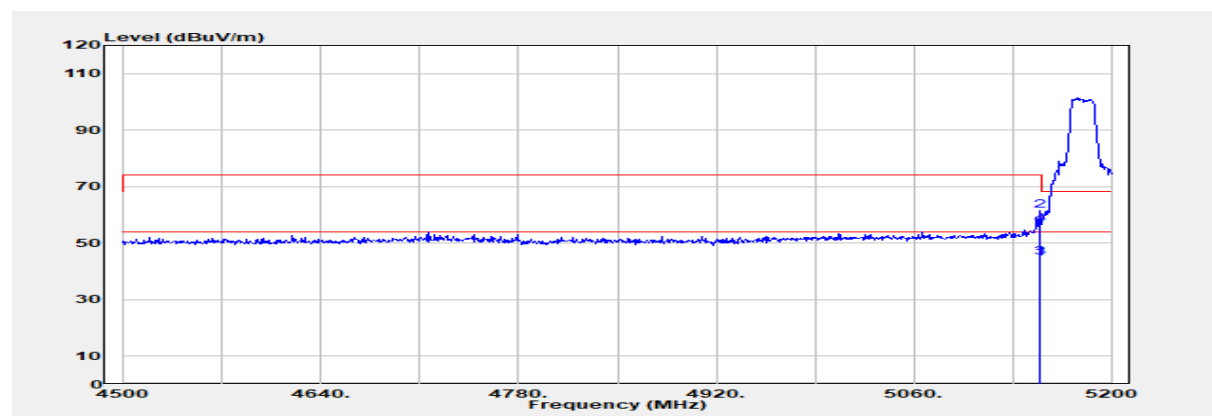
Temp./Humi. :23.0°C/50%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5148.900     | Average                      | 43.57                             | 1.09         | 44.66                  | 54.00                  | -9.34        |
| 5148.900     | Peak                         | 60.52                             | 1.09         | 61.61                  | 74.00                  | -12.39       |
| 5150.000     | Average                      | 43.93                             | 1.10         | 45.02                  | 54.00                  | -8.98        |
| 5150.000     | Peak                         | 55.40                             | 1.10         | 56.49                  | 74.00                  | -17.51       |

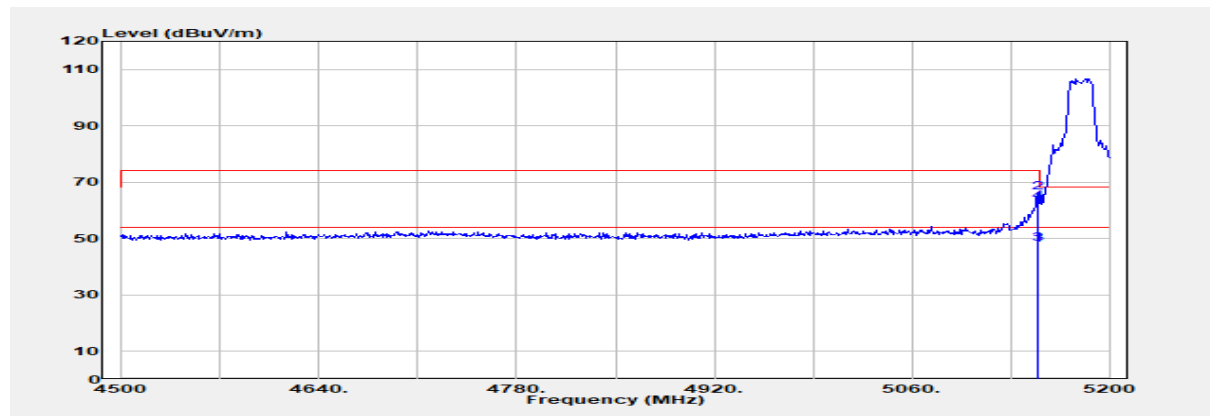
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5180 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5148.900     | Average                      | 46.67                             | 1.09         | 47.76                  | 54.00                  | -6.24        |
| 5148.900     | Peak                         | 65.31                             | 1.09         | 66.40                  | 74.00                  | -7.60        |
| 5150.000     | Average                      | 47.09                             | 1.10         | 48.18                  | 54.00                  | -5.82        |
| 5150.000     | Peak                         | 62.13                             | 1.10         | 63.23                  | 74.00                  | -10.77       |

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

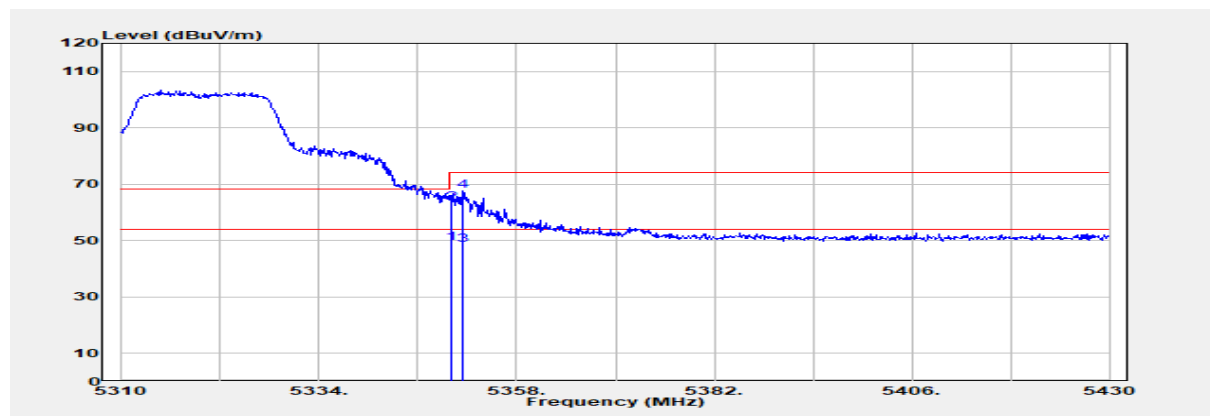
f (886-2) 2298-0488

[www.sgs.com.tw](http://www.sgs.com.tw)

Member of SGS Group

Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5320 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



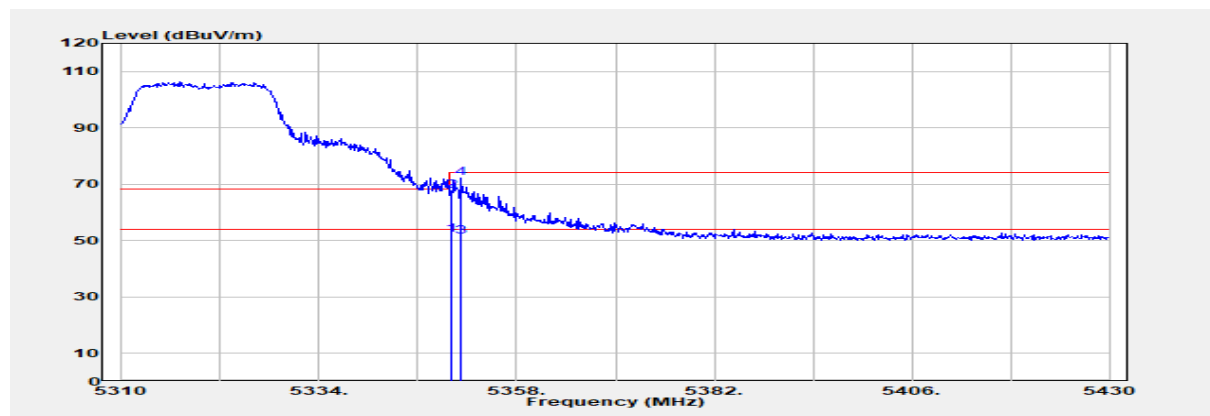
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.000     | Average                      | 48.36                             | 0.72         | 49.08                  | 54.00                  | -4.92        |
| 5350.000     | Peak                         | 62.54                             | 0.72         | 63.26                  | 74.00                  | -10.74       |
| 5351.400     | Average                      | 47.61                             | 0.73         | 48.34                  | 54.00                  | -5.66        |
| 5351.400     | Peak                         | 66.91                             | 0.73         | 67.64                  | 74.00                  | -6.36        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5320 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



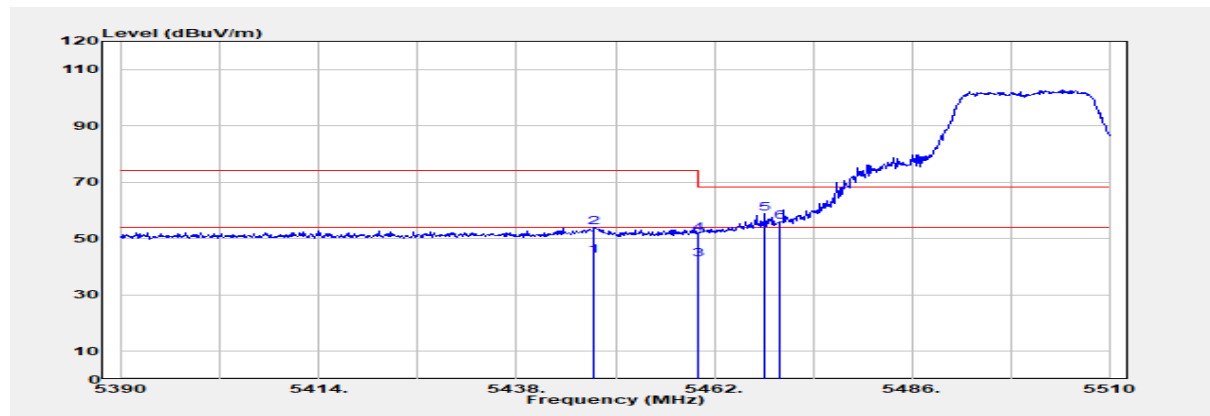
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.000     | Average                      | 51.31                             | 0.72         | 52.03                  | 54.00                  | -1.97        |
| 5350.000     | Peak                         | 67.02                             | 0.72         | 67.74                  | 74.00                  | -6.26        |
| 5351.280     | Average                      | 50.56                             | 0.73         | 51.29                  | 54.00                  | -2.71        |
| 5351.280     | Peak                         | 71.61                             | 0.73         | 72.34                  | 74.00                  | -1.66        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5500 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



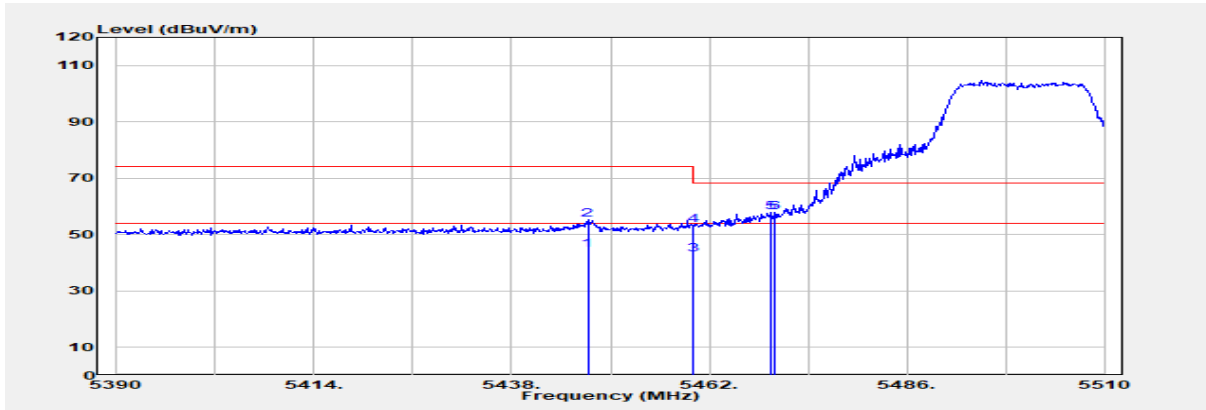
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5447.360     | Average                      | 42.53                             | 1.42         | 43.95                  | 54.00                  | -10.05       |
| 5447.360     | Peak                         | 52.49                             | 1.42         | 53.90                  | 74.00                  | -20.10       |
| 5460.000     | Average                      | 40.98                             | 1.54         | 42.52                  | 54.00                  | -11.48       |
| 5460.000     | Peak                         | 50.21                             | 1.54         | 51.76                  | 74.00                  | -22.24       |
| 5468.120     | Peak                         | 57.11                             | 1.63         | 58.74                  | 68.20                  | -9.46        |
| 5470.000     | Peak                         | 54.14                             | 1.65         | 55.79                  | 68.20                  | -12.41       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5500 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



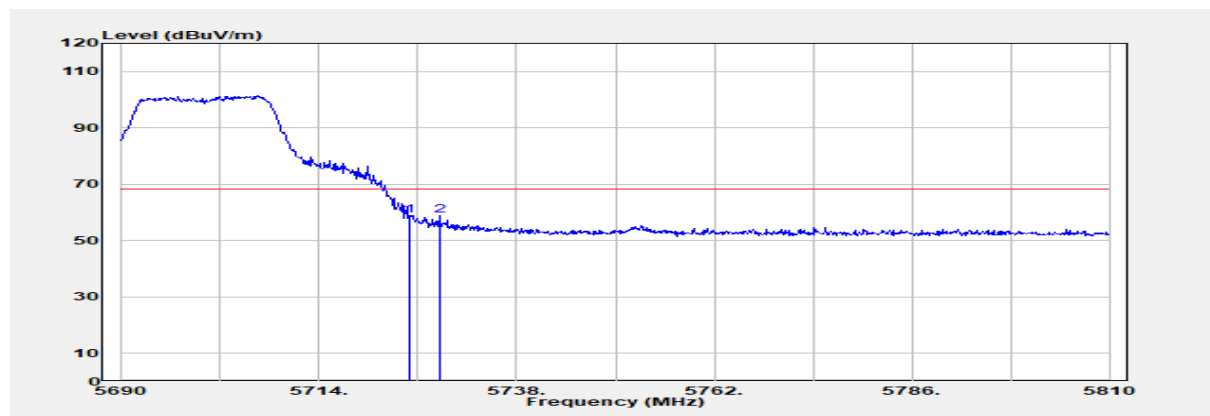
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5447.240     | Average                      | 43.01                             | 1.42         | 44.43                  | 54.00                  | -9.57        |
| 5447.240     | Peak                         | 53.83                             | 1.42         | 55.25                  | 74.00                  | -18.75       |
| 5460.000     | Average                      | 41.45                             | 1.54         | 42.99                  | 54.00                  | -11.01       |
| 5460.000     | Peak                         | 51.83                             | 1.54         | 53.37                  | 74.00                  | -20.63       |
| 5469.560     | Peak                         | 56.18                             | 1.64         | 57.83                  | 68.20                  | -10.37       |
| 5470.000     | Peak                         | 56.34                             | 1.65         | 57.99                  | 68.20                  | -10.21       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5700 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C /50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.000     | Peak                         | 56.54                             | 2.20         | 58.74                  | 68.20                  | -9.46        |
| 5728.640     | Peak                         | 56.72                             | 2.22         | 58.95                  | 68.20                  | -9.25        |

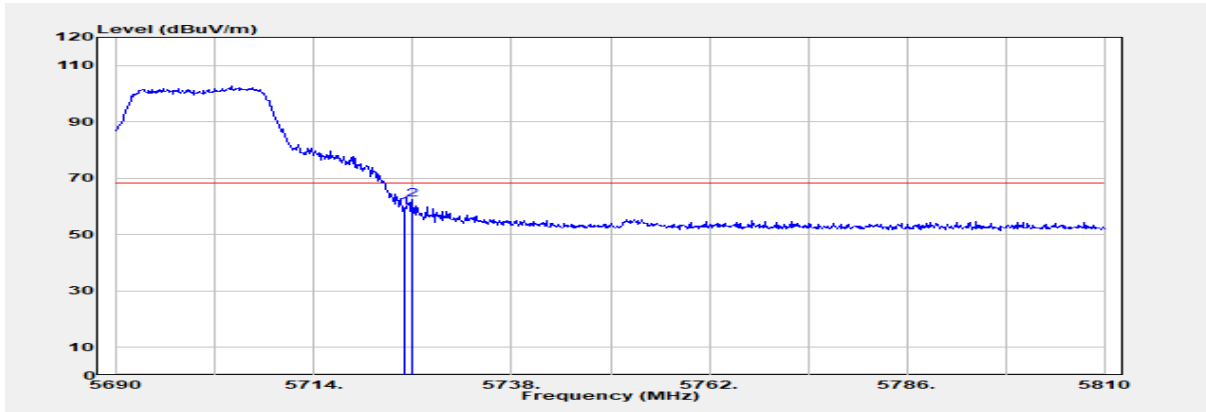
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5700 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



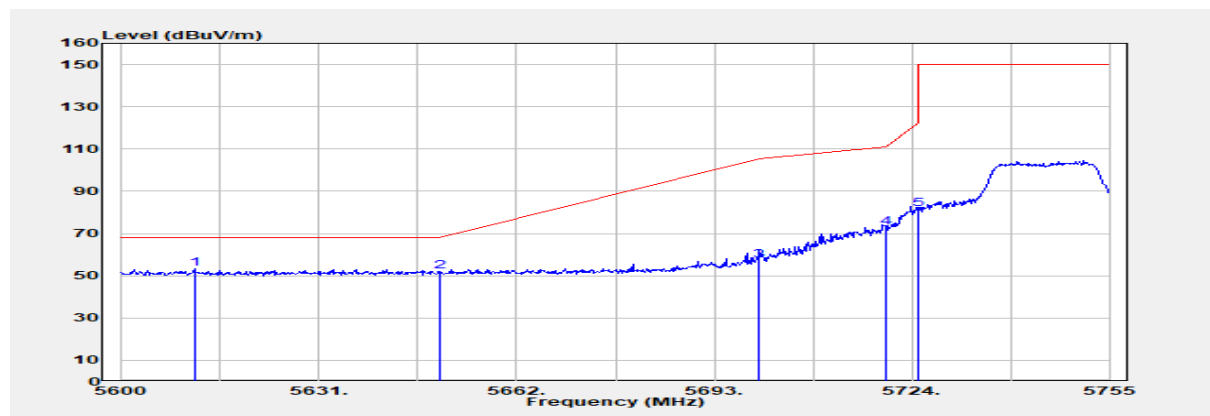
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.000     | Peak                         | 57.30                             | 2.20         | 59.50                  | 68.20                  | -8.70        |
| 5725.880     | Peak                         | 60.17                             | 2.21         | 62.37                  | 68.20                  | -5.83        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5745 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5611.470     | Peak                         | 52.10                             | 1.20         | 53.30                  | 68.20                  | -14.90       |
| 5650.000     | Peak                         | 50.74                             | 1.41         | 52.15                  | 68.20                  | -16.05       |
| 5700.000     | Peak                         | 55.11                             | 2.03         | 57.14                  | 105.20                 | -48.06       |
| 5720.000     | Peak                         | 70.63                             | 2.17         | 72.80                  | 110.80                 | -38.00       |
| 5725.000     | Peak                         | 79.33                             | 2.20         | 81.53                  | 122.20                 | -40.67       |

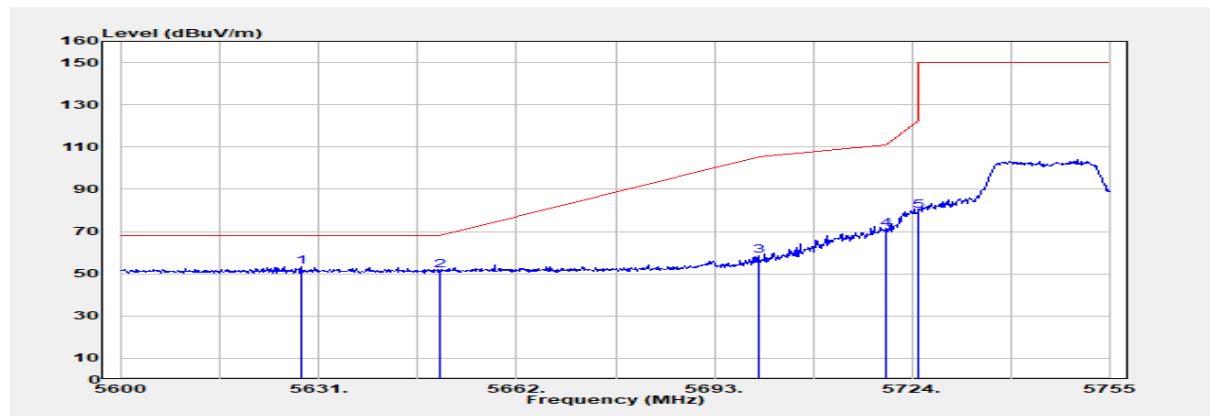
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5745 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5628.210     | Peak                         | 51.92                             | 1.29         | 53.21                  | 68.20                  | -14.99       |
| 5650.000     | Peak                         | 50.34                             | 1.41         | 51.75                  | 68.20                  | -16.45       |
| 5700.000     | Peak                         | 56.48                             | 2.03         | 58.51                  | 105.20                 | -46.69       |
| 5720.000     | Peak                         | 69.11                             | 2.17         | 71.28                  | 110.80                 | -39.52       |
| 5725.000     | Peak                         | 77.49                             | 2.20         | 79.69                  | 122.20                 | -42.51       |

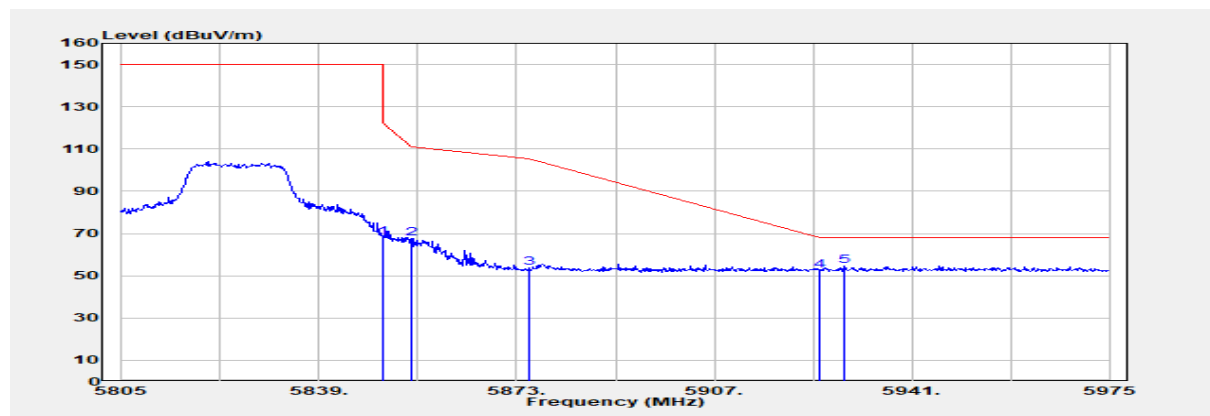
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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5825 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



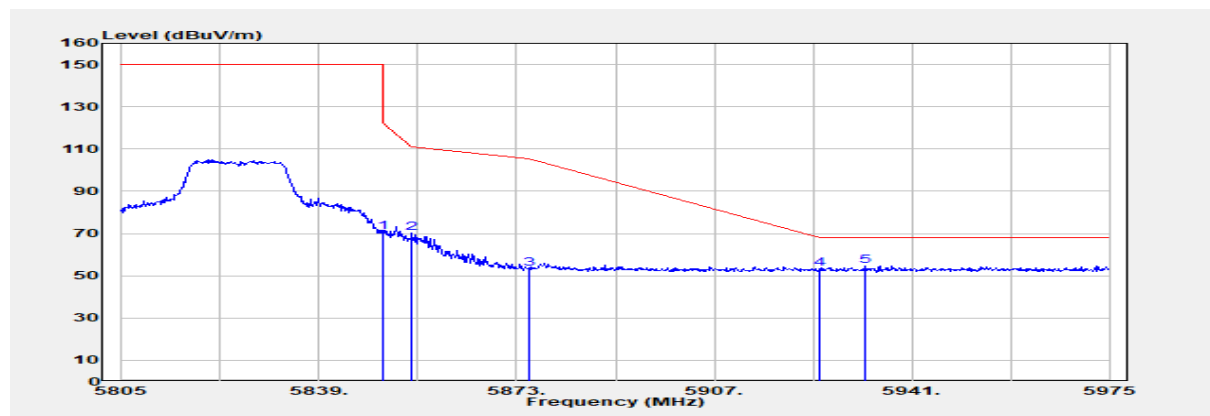
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.000     | Peak                         | 65.82                             | 2.35         | 68.17                  | 122.20                 | -54.03       |
| 5855.000     | Peak                         | 65.48                             | 2.36         | 67.83                  | 110.80                 | -42.97       |
| 5875.000     | Peak                         | 51.25                             | 2.40         | 53.65                  | 105.20                 | -51.55       |
| 5925.000     | Peak                         | 49.98                             | 2.60         | 52.58                  | 68.20                  | -15.62       |
| 5929.440     | Peak                         | 52.06                             | 2.62         | 54.68                  | 68.20                  | -13.52       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11a  
Test Frequency :5825 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



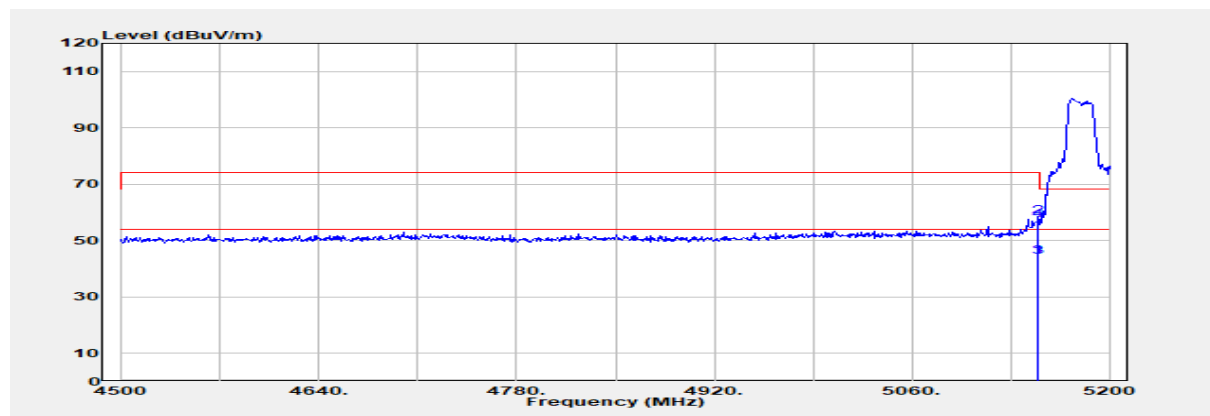
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.000     | Peak                         | 68.24                             | 2.35         | 70.59                  | 122.20                 | -51.61       |
| 5855.000     | Peak                         | 67.70                             | 2.36         | 70.06                  | 110.80                 | -40.74       |
| 5875.000     | Peak                         | 51.10                             | 2.40         | 53.49                  | 105.20                 | -51.71       |
| 5925.000     | Peak                         | 50.94                             | 2.60         | 53.53                  | 68.20                  | -14.67       |
| 5932.840     | Peak                         | 52.05                             | 2.64         | 54.70                  | 68.20                  | -13.50       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5180 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5149.600     | Average                      | 43.22                             | 1.09         | 44.32                  | 54.00                  | -9.68        |
| 5149.600     | Peak                         | 57.29                             | 1.09         | 58.38                  | 74.00                  | -15.62       |
| 5150.000     | Average                      | 43.27                             | 1.10         | 44.37                  | 54.00                  | -9.63        |
| 5150.000     | Peak                         | 56.10                             | 1.10         | 57.20                  | 74.00                  | -16.80       |

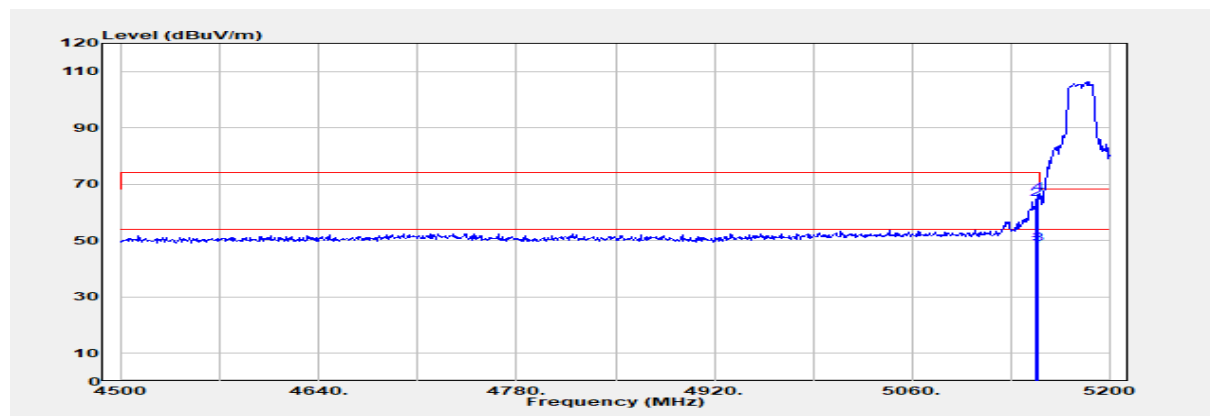
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5180 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



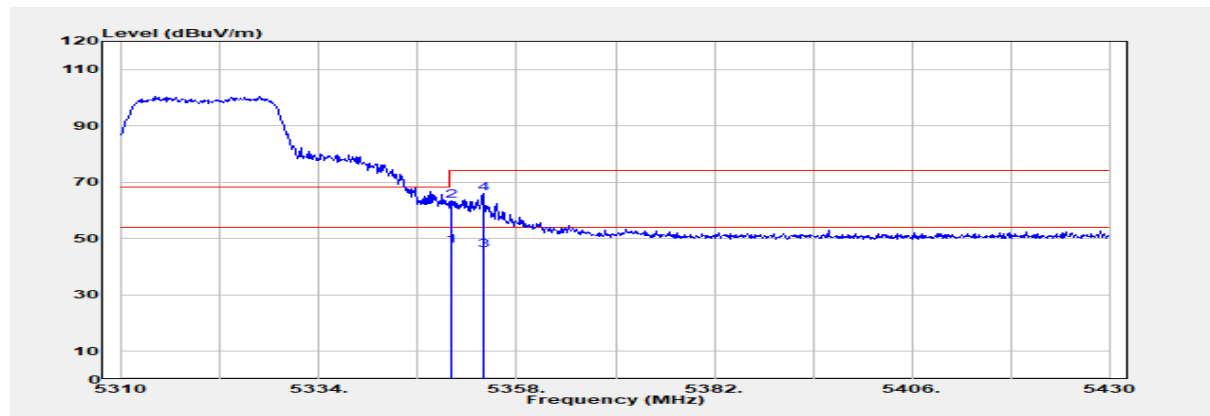
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5148.200     | Average                      | 47.08                             | 1.09         | 48.17                  | 54.00                  | -5.83        |
| 5148.200     | Peak                         | 63.67                             | 1.09         | 64.76                  | 74.00                  | -9.24        |
| 5150.000     | Average                      | 47.65                             | 1.10         | 48.74                  | 54.00                  | -5.26        |
| 5150.000     | Peak                         | 65.55                             | 1.10         | 66.65                  | 74.00                  | -7.35        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5320 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.000     | Average                      | 46.72                             | 0.72         | 47.44                  | 54.00                  | -6.56        |
| 5350.000     | Peak                         | 62.55                             | 0.72         | 63.27                  | 74.00                  | -10.73       |
| 5353.920     | Average                      | 44.99                             | 0.75         | 45.74                  | 54.00                  | -8.26        |
| 5353.920     | Peak                         | 65.29                             | 0.75         | 66.04                  | 74.00                  | -7.96        |

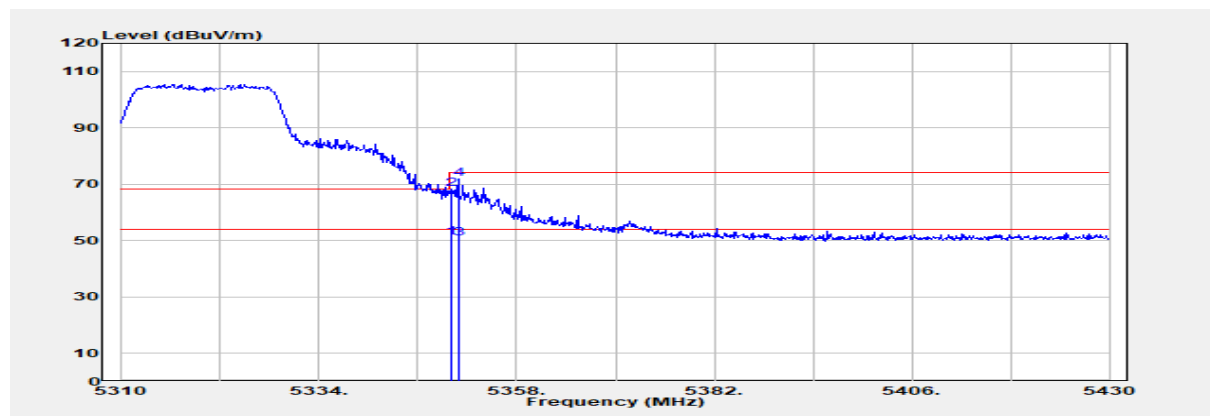
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5320 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



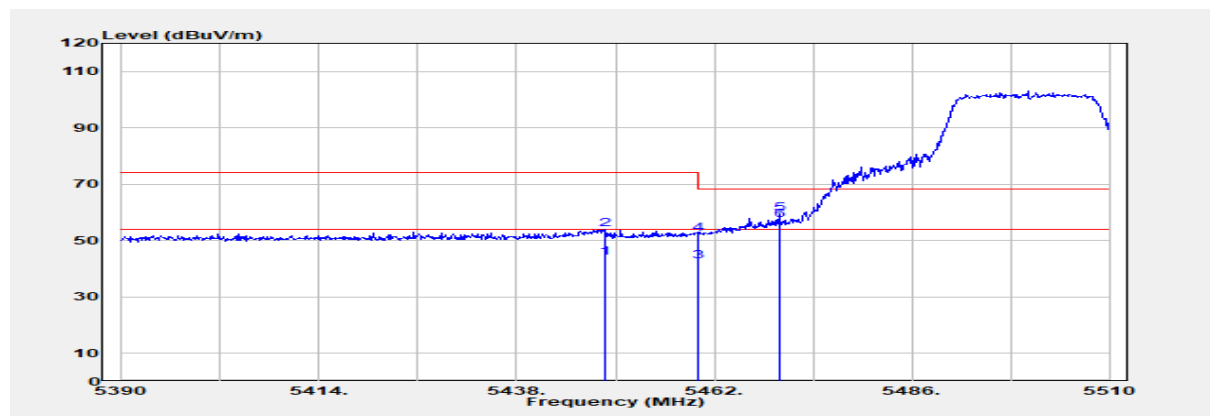
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.000     | Average                      | 50.41                             | 0.72         | 51.13                  | 54.00                  | -2.87        |
| 5350.000     | Peak                         | 67.72                             | 0.72         | 68.44                  | 74.00                  | -5.56        |
| 5350.920     | Average                      | 49.94                             | 0.73         | 50.67                  | 54.00                  | -3.33        |
| 5350.920     | Peak                         | 71.22                             | 0.73         | 71.94                  | 74.00                  | -2.06        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5500 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5448.680     | Average                      | 42.53                             | 1.43         | 43.95                  | 54.00                  | -10.05       |
| 5448.680     | Peak                         | 52.49                             | 1.43         | 53.91                  | 74.00                  | -20.09       |
| 5460.000     | Average                      | 41.10                             | 1.54         | 42.65                  | 54.00                  | -11.35       |
| 5460.000     | Peak                         | 50.70                             | 1.54         | 52.24                  | 74.00                  | -21.76       |
| 5469.920     | Peak                         | 57.99                             | 1.65         | 59.63                  | 68.20                  | -8.57        |
| 5470.000     | Peak                         | 55.63                             | 1.65         | 57.28                  | 68.20                  | -10.92       |

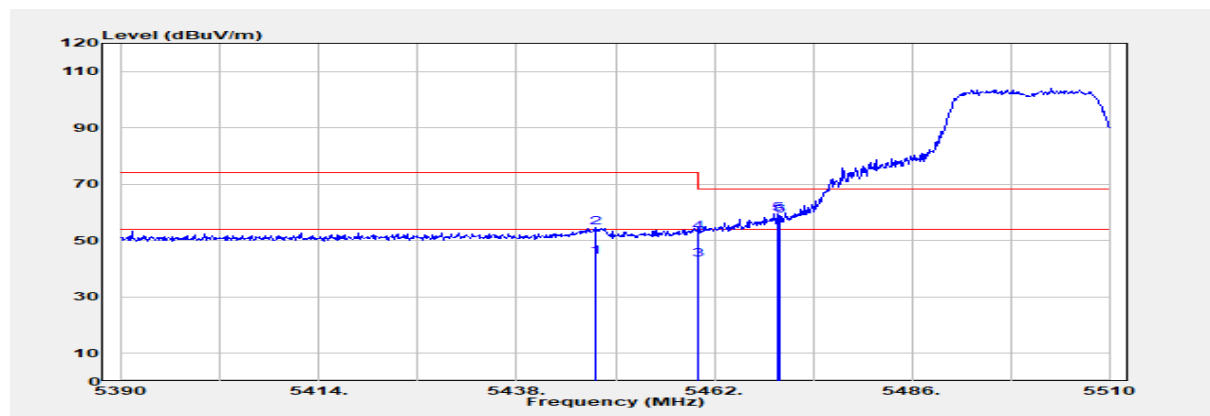
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5500 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



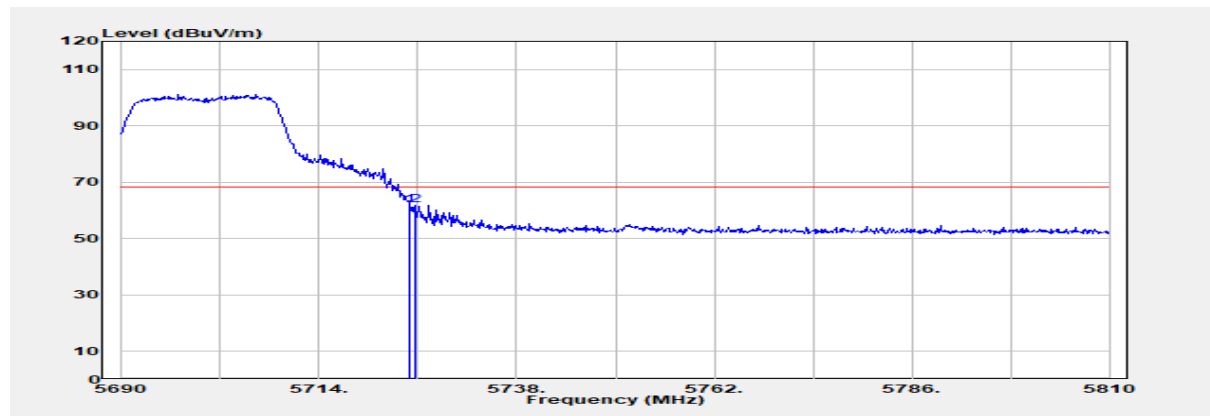
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5447.480     | Average                      | 42.96                             | 1.42         | 44.38                  | 54.00                  | -9.62        |
| 5447.480     | Peak                         | 53.27                             | 1.42         | 54.69                  | 74.00                  | -19.31       |
| 5460.000     | Average                      | 41.59                             | 1.54         | 43.13                  | 54.00                  | -10.87       |
| 5460.000     | Peak                         | 51.47                             | 1.54         | 53.01                  | 74.00                  | -20.99       |
| 5469.680     | Peak                         | 57.98                             | 1.65         | 59.63                  | 68.20                  | -8.57        |
| 5470.000     | Peak                         | 57.37                             | 1.65         | 59.02                  | 68.20                  | -9.18        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5700 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



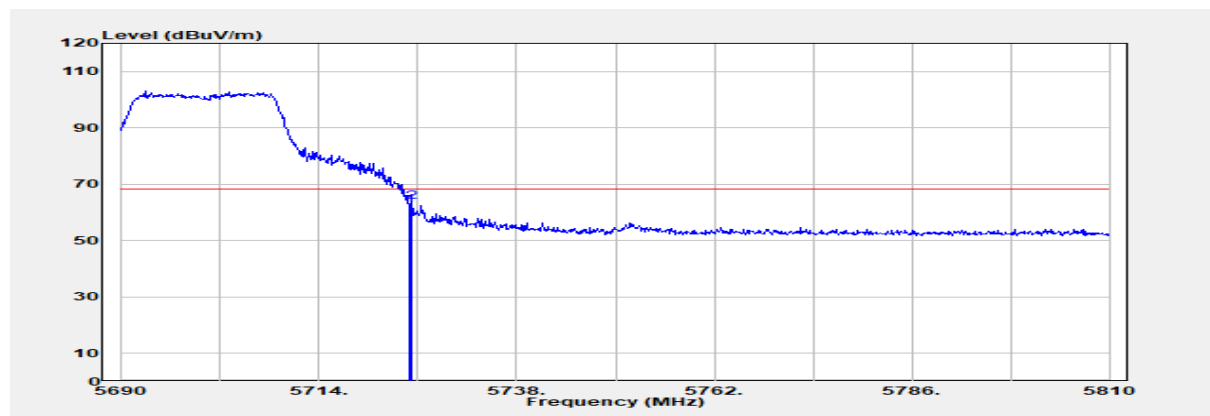
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.000     | Peak                         | 59.45                             | 2.20         | 61.65                  | 68.20                  | -6.55        |
| 5725.640     | Peak                         | 59.58                             | 2.20         | 61.79                  | 68.20                  | -6.41        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5700 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



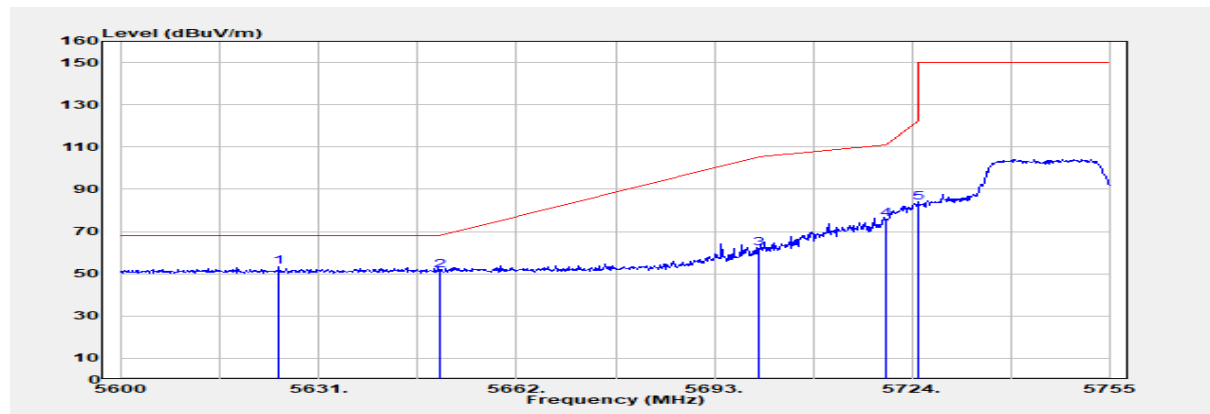
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.000     | Peak                         | 60.20                             | 2.20         | 62.40                  | 68.20                  | -5.80        |
| 5725.160     | Peak                         | 61.42                             | 2.20         | 63.62                  | 68.20                  | -4.58        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5745 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5624.645     | Peak                         | 51.97                             | 1.27         | 53.24                  | 68.20                  | -14.96       |
| 5650.000     | Peak                         | 50.33                             | 1.41         | 51.74                  | 68.20                  | -16.46       |
| 5700.000     | Peak                         | 59.83                             | 2.03         | 61.86                  | 105.20                 | -43.34       |
| 5720.000     | Peak                         | 73.51                             | 2.17         | 75.68                  | 110.80                 | -35.12       |
| 5725.000     | Peak                         | 81.48                             | 2.20         | 83.68                  | 122.20                 | -38.52       |

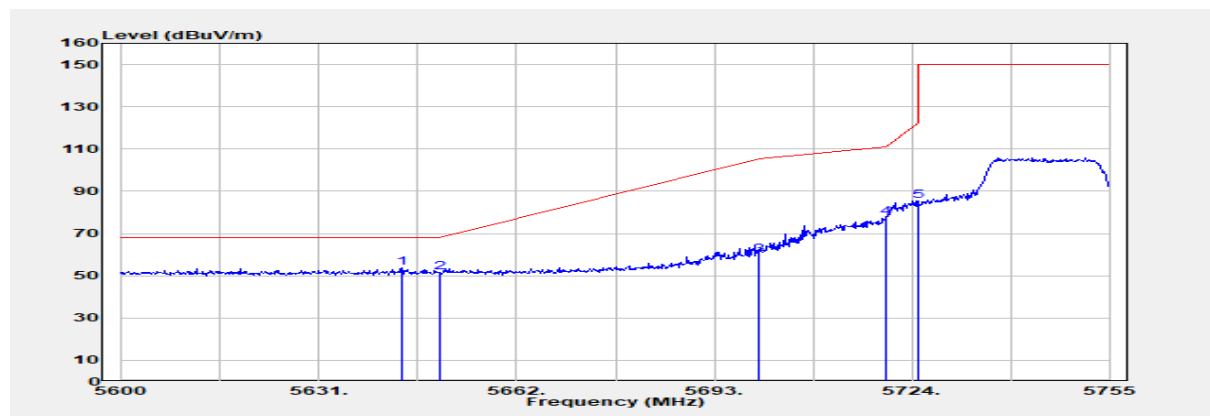
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5745 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5643.865     | Peak                         | 52.23                             | 1.38         | 53.61                  | 68.20                  | -14.59       |
| 5650.000     | Peak                         | 50.18                             | 1.41         | 51.59                  | 68.20                  | -16.61       |
| 5700.000     | Peak                         | 57.94                             | 2.03         | 59.97                  | 105.20                 | -45.23       |
| 5720.000     | Peak                         | 75.60                             | 2.17         | 77.77                  | 110.80                 | -33.03       |
| 5725.000     | Peak                         | 83.27                             | 2.20         | 85.47                  | 122.20                 | -36.73       |

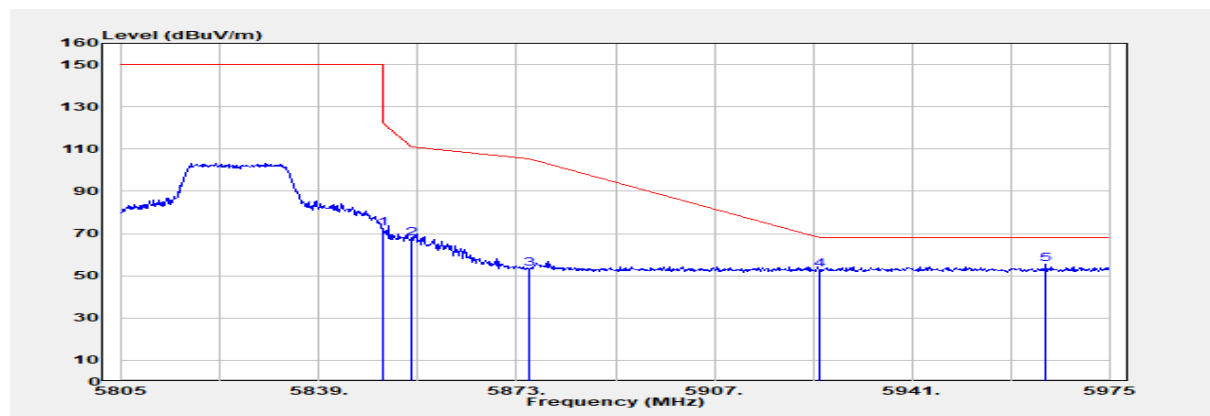
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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5825 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



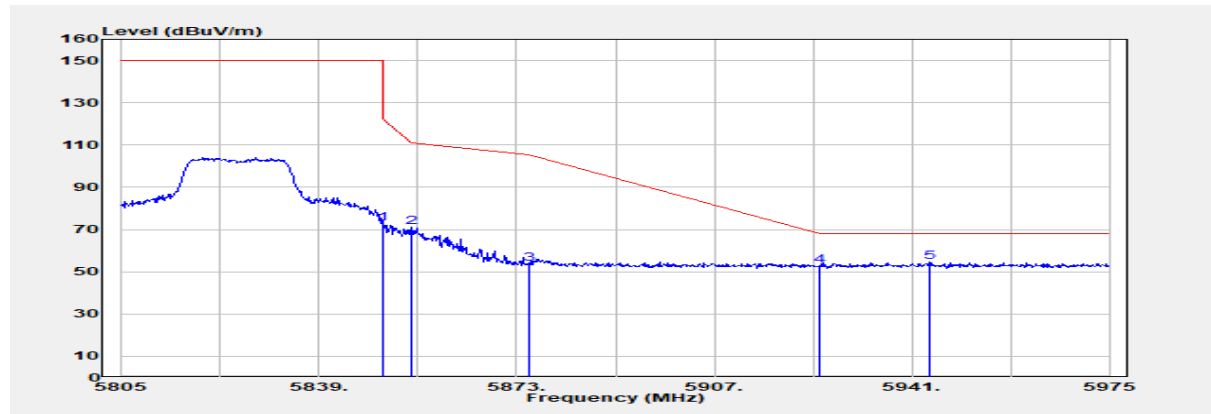
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.000     | Peak                         | 70.13                             | 2.35         | 72.48                  | 122.20                 | -49.72       |
| 5855.000     | Peak                         | 65.19                             | 2.36         | 67.55                  | 110.80                 | -43.25       |
| 5875.000     | Peak                         | 50.86                             | 2.40         | 53.26                  | 105.20                 | -51.94       |
| 5925.000     | Peak                         | 50.43                             | 2.60         | 53.03                  | 68.20                  | -15.17       |
| 5964.120     | Peak                         | 52.64                             | 2.77         | 55.41                  | 68.20                  | -12.79       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n20  
Test Frequency :5825 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



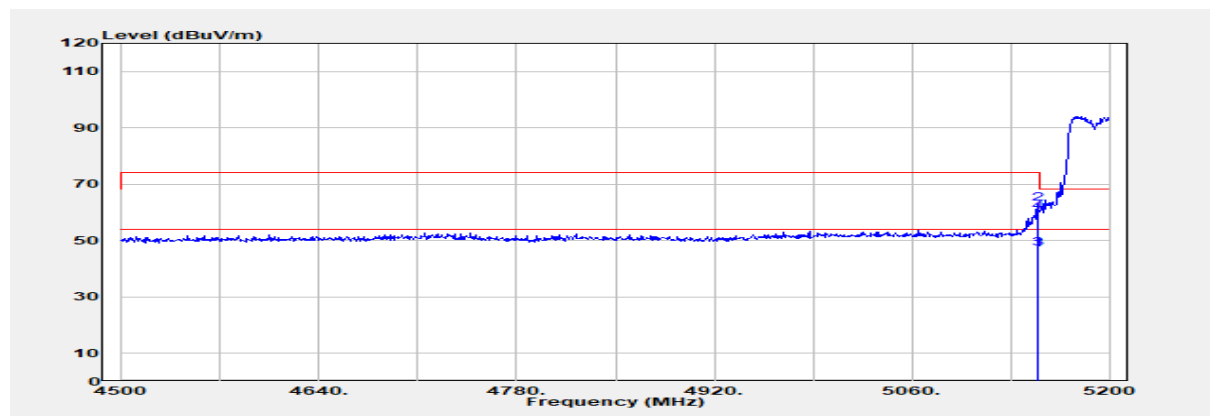
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.000     | Peak                         | 70.41                             | 2.35         | 72.76                  | 122.20                 | -49.44       |
| 5855.000     | Peak                         | 68.97                             | 2.36         | 71.32                  | 110.80                 | -39.48       |
| 5875.000     | Peak                         | 51.47                             | 2.40         | 53.87                  | 105.20                 | -51.33       |
| 5925.000     | Peak                         | 50.41                             | 2.60         | 53.01                  | 68.20                  | -15.19       |
| 5944.060     | Peak                         | 51.96                             | 2.71         | 54.66                  | 68.20                  | -13.54       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5190 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C /50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5148.900     | Average                      | 45.60                             | 1.09         | 46.69                  | 54.00                  | -7.31        |
| 5148.900     | Peak                         | 61.99                             | 1.09         | 63.08                  | 74.00                  | -10.92       |
| 5150.000     | Average                      | 46.11                             | 1.10         | 47.21                  | 54.00                  | -6.79        |
| 5150.000     | Peak                         | 59.14                             | 1.10         | 60.23                  | 74.00                  | -13.77       |

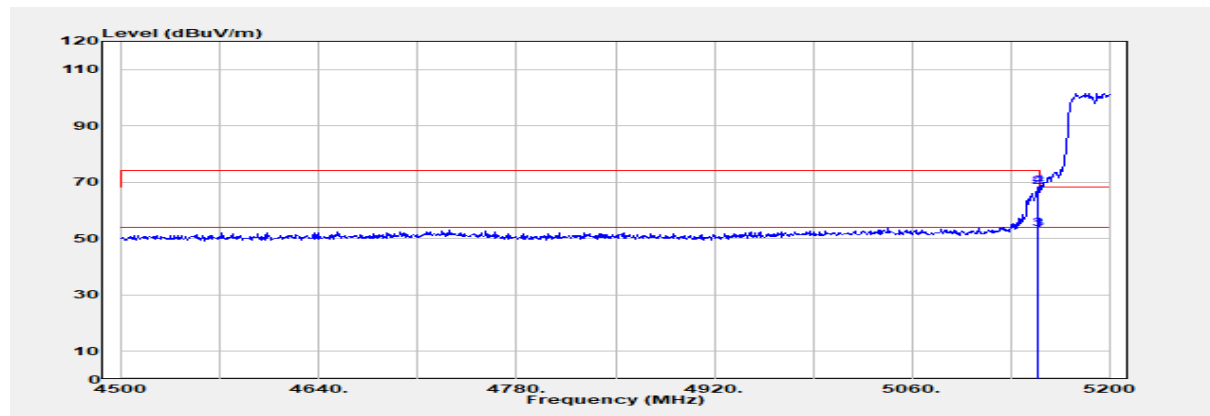
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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5190 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5148.900     | Average                      | 52.03                             | 1.09         | 53.13                  | 54.00                  | -0.87        |
| 5148.900     | Peak                         | 67.09                             | 1.09         | 68.18                  | 74.00                  | -5.82        |
| 5150.000     | Average                      | 52.38                             | 1.10         | 53.48                  | 54.00                  | -0.52        |
| 5150.000     | Peak                         | 67.66                             | 1.10         | 68.75                  | 74.00                  | -5.25        |

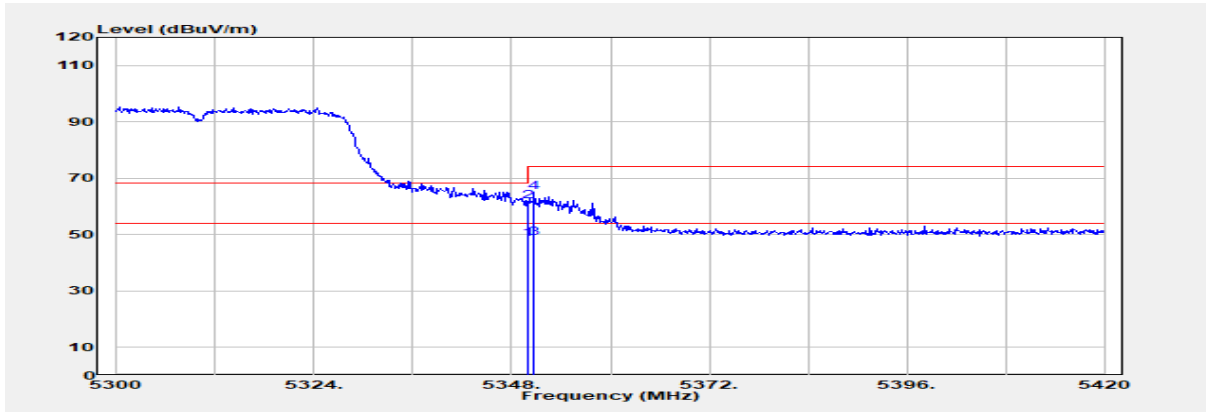
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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5310 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.000     | Average                      | 47.83                             | 0.72         | 48.55                  | 54.00                  | -5.45        |
| 5350.000     | Peak                         | 60.93                             | 0.72         | 61.65                  | 74.00                  | -12.35       |
| 5350.760     | Average                      | 48.15                             | 0.73         | 48.88                  | 54.00                  | -5.12        |
| 5350.760     | Peak                         | 64.17                             | 0.73         | 64.89                  | 74.00                  | -9.11        |

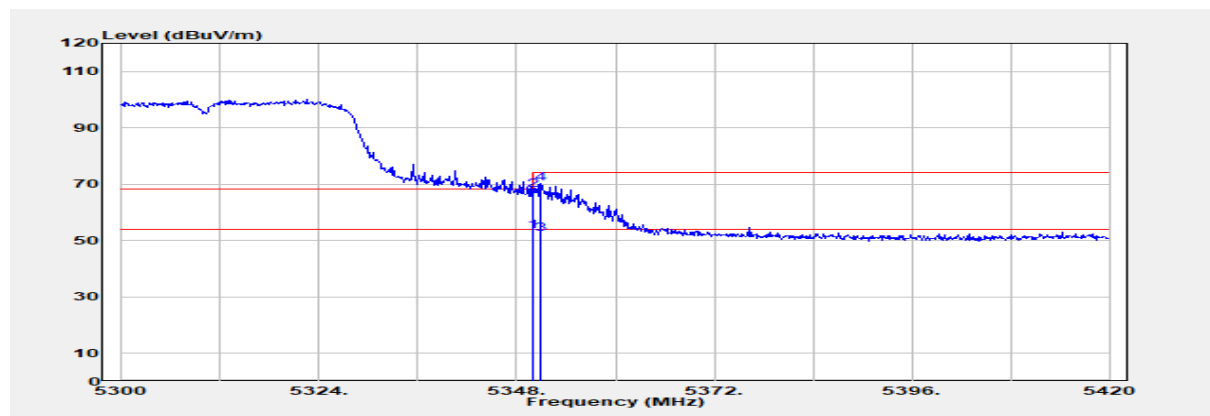
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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5310 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



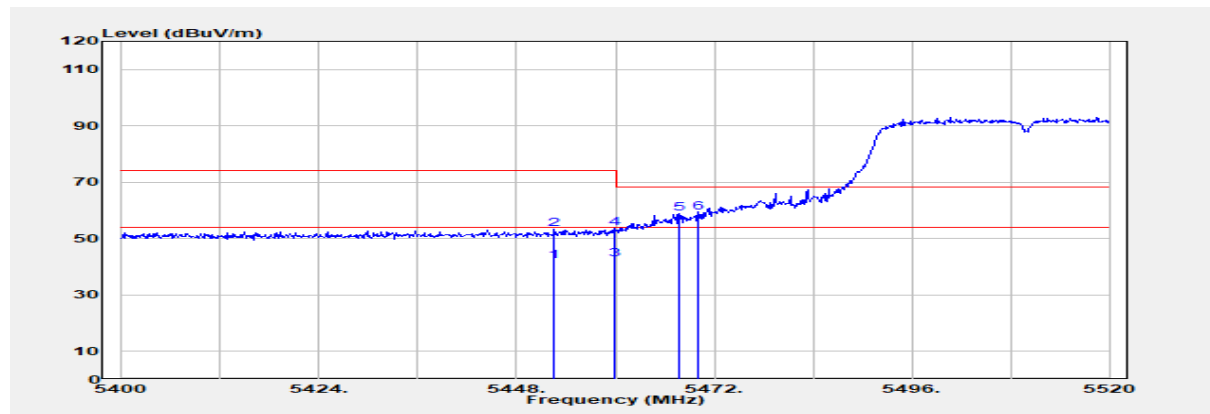
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.000     | Average                      | 52.53                             | 0.72         | 53.25                  | 54.00                  | -0.75        |
| 5350.000     | Peak                         | 67.40                             | 0.72         | 68.12                  | 74.00                  | -5.88        |
| 5351.000     | Average                      | 51.71                             | 0.73         | 52.44                  | 54.00                  | -1.56        |
| 5351.000     | Peak                         | 69.62                             | 0.73         | 70.34                  | 74.00                  | -3.66        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5510 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



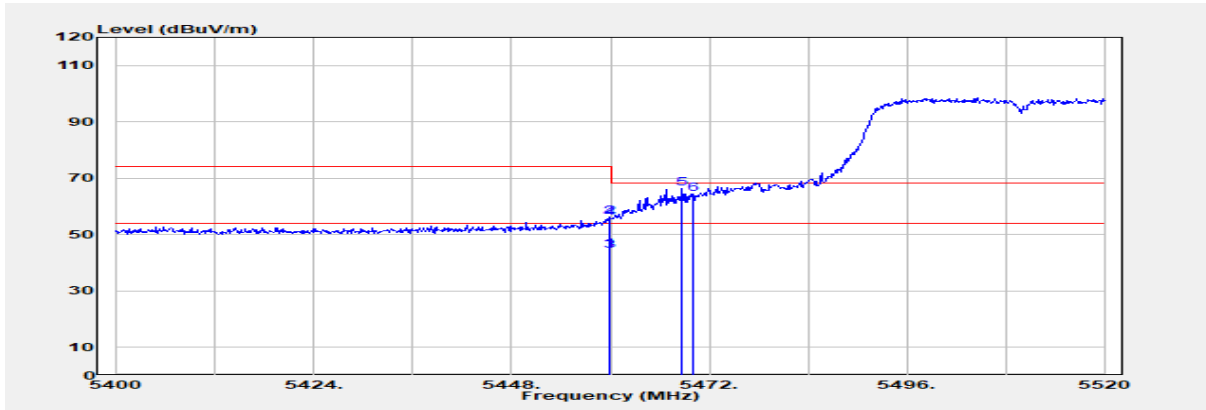
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5452.560     | Average                      | 40.65                             | 1.46         | 42.11                  | 54.00                  | -11.89       |
| 5452.560     | Peak                         | 51.90                             | 1.46         | 53.36                  | 74.00                  | -20.64       |
| 5460.000     | Average                      | 41.21                             | 1.54         | 42.75                  | 54.00                  | -11.25       |
| 5460.000     | Peak                         | 52.02                             | 1.54         | 53.56                  | 74.00                  | -20.44       |
| 5467.800     | Peak                         | 57.23                             | 1.63         | 58.85                  | 68.20                  | -9.35        |
| 5470.000     | Peak                         | 57.55                             | 1.65         | 59.20                  | 68.20                  | -9.00        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5510 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



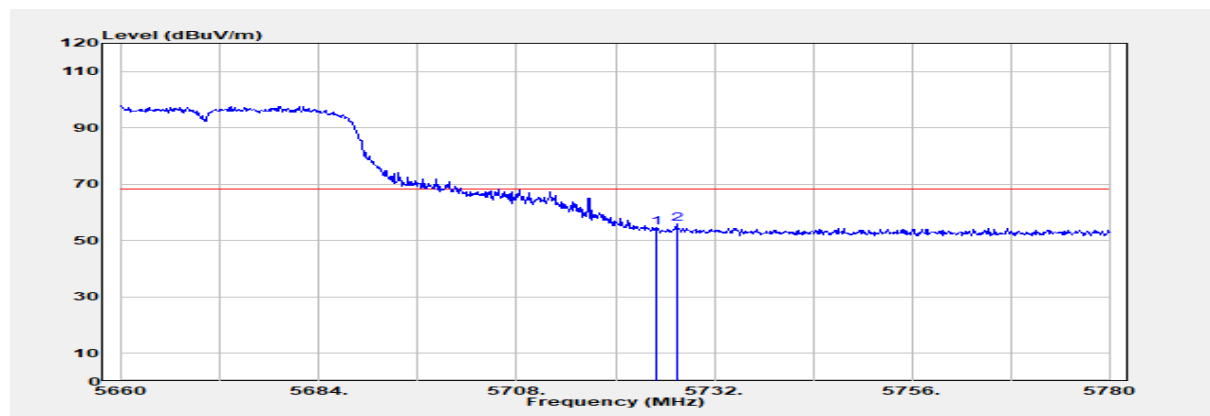
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5459.880     | Average                      | 42.98                             | 1.54         | 44.53                  | 54.00                  | -9.47        |
| 5459.880     | Peak                         | 54.72                             | 1.54         | 56.27                  | 74.00                  | -17.73       |
| 5460.000     | Average                      | 42.80                             | 1.54         | 44.35                  | 54.00                  | -9.65        |
| 5460.000     | Peak                         | 54.55                             | 1.54         | 56.09                  | 74.00                  | -17.91       |
| 5468.760     | Peak                         | 64.87                             | 1.64         | 66.50                  | 68.20                  | -1.70        |
| 5470.000     | Peak                         | 62.74                             | 1.65         | 64.39                  | 68.20                  | -3.81        |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5670 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



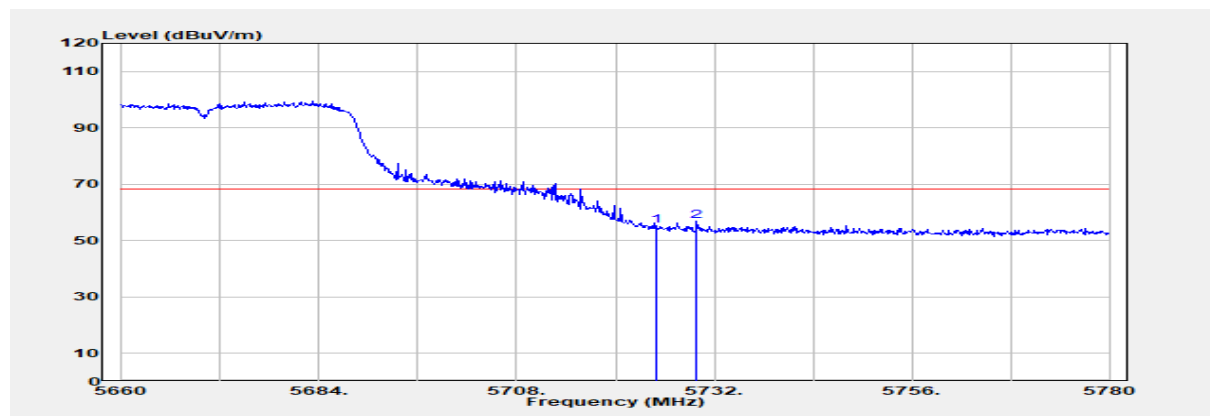
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.000     | Peak                         | 52.41                             | 2.20         | 54.61                  | 68.20                  | -13.59       |
| 5727.440     | Peak                         | 53.56                             | 2.22         | 55.77                  | 68.20                  | -12.43       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5670 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



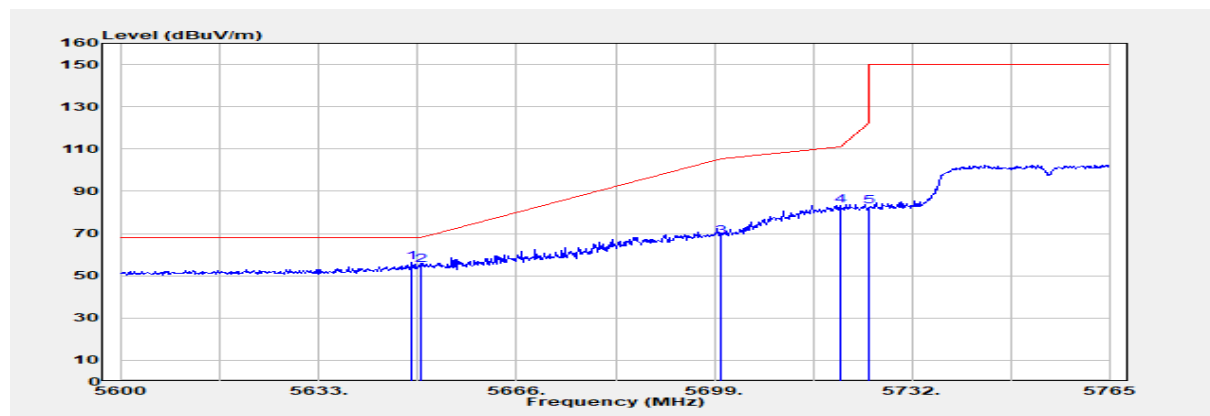
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.000     | Peak                         | 53.20                             | 2.20         | 55.40                  | 68.20                  | -12.80       |
| 5729.840     | Peak                         | 54.52                             | 2.23         | 56.75                  | 68.20                  | -11.45       |

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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5755 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5648.510     | Peak                         | 54.80                             | 1.40         | 56.20                  | 68.20                  | -12.00       |
| 5650.000     | Peak                         | 53.86                             | 1.41         | 55.27                  | 68.20                  | -12.93       |
| 5700.000     | Peak                         | 66.27                             | 2.03         | 68.30                  | 105.20                 | -36.90       |
| 5720.000     | Peak                         | 80.89                             | 2.17         | 83.06                  | 110.80                 | -27.74       |
| 5725.000     | Peak                         | 80.82                             | 2.20         | 83.02                  | 122.20                 | -39.18       |

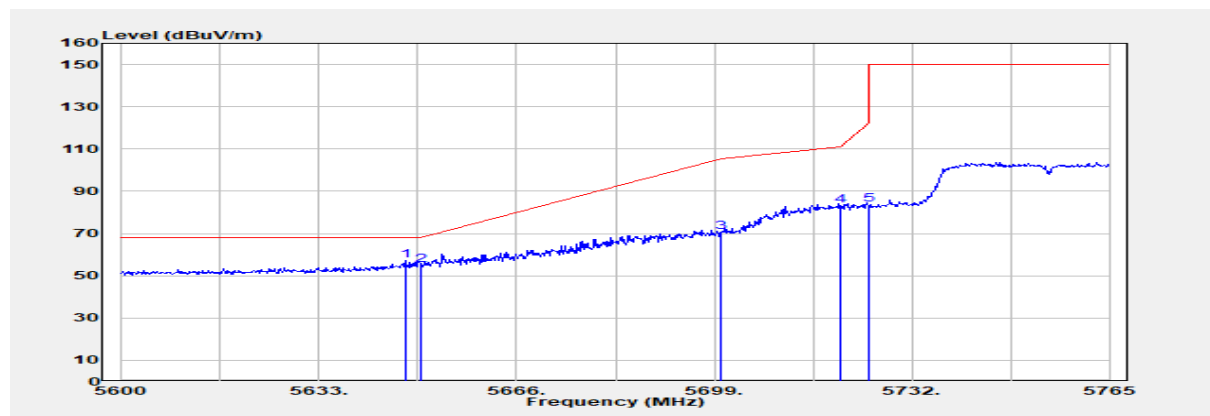
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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5755 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-16  
Temp./Humi. :23.0°C/50%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5647.355     | Peak                         | 55.73                             | 1.40         | 57.13                  | 68.20                  | -11.07       |
| 5650.000     | Peak                         | 53.81                             | 1.41         | 55.22                  | 68.20                  | -12.98       |
| 5700.000     | Peak                         | 68.69                             | 2.03         | 70.72                  | 105.20                 | -34.48       |
| 5720.000     | Peak                         | 81.07                             | 2.17         | 83.23                  | 110.80                 | -27.57       |
| 5725.000     | Peak                         | 81.63                             | 2.20         | 83.83                  | 122.20                 | -38.37       |

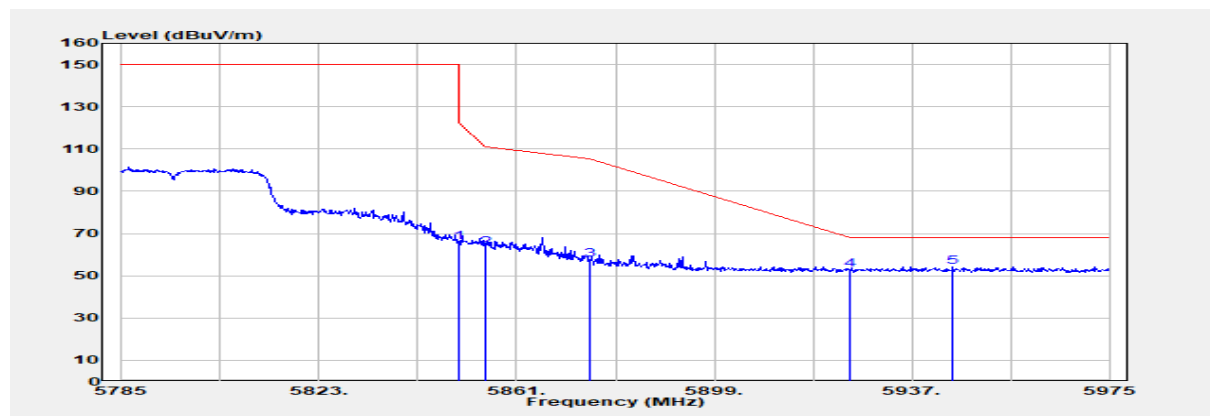
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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5795 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Vertical  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBUV | Factor<br>dB | Actual<br>FS<br>dBUV/m | Limit<br>@3m<br>dBUV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.000     | Peak                         | 63.56                             | 2.35         | 65.91                  | 122.20                 | -56.29       |
| 5855.000     | Peak                         | 61.12                             | 2.36         | 63.47                  | 110.80                 | -47.33       |
| 5875.000     | Peak                         | 55.16                             | 2.40         | 57.56                  | 105.20                 | -47.64       |
| 5925.000     | Peak                         | 50.15                             | 2.60         | 52.74                  | 68.20                  | -15.46       |
| 5944.980     | Peak                         | 51.61                             | 2.71         | 54.32                  | 68.20                  | -13.88       |

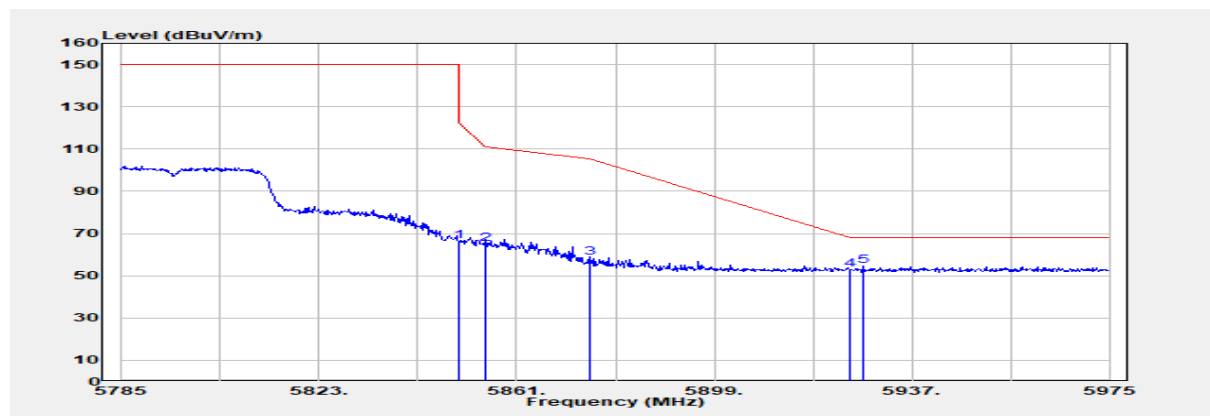
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Report Number :TERF2408002261E2  
Operation Mode :802.11n40  
Test Frequency :5795 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC C  
Test Date :2024-08-19  
Temp./Humi. :20.6°C/56%  
Antenna Pol. :Horizontal  
Engineer :Alex Li



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.000     | Peak                         | 63.99                             | 2.35         | 66.33                  | 122.20                 | -55.87       |
| 5855.000     | Peak                         | 62.54                             | 2.36         | 64.89                  | 110.80                 | -45.91       |
| 5875.000     | Peak                         | 56.01                             | 2.40         | 58.41                  | 105.20                 | -46.79       |
| 5925.000     | Peak                         | 50.12                             | 2.60         | 52.72                  | 68.20                  | -15.49       |
| 5927.690     | Peak                         | 51.93                             | 2.61         | 54.54                  | 68.20                  | -13.66       |

~ End of Report ~

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