

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE TEST REPORT**

Applicant: Askey computer corp.
10F, No. 119, JIANKANG RD. ZHONGHE DIST. NEW TAIPEI
CITY Taiwan 23585

Manufacturer: Askey computer corp.
10F, No. 119, JIANKANG RD. ZHONGHE DIST. NEW TAIPEI
CITY Taiwan 23585

Product Name: Connected DashCAM

Brand Name: ASKEY

Model No.: CDR9030

Model Difference: N/A

Report Number: TERF2405001364E2

FCC ID H8NCDR9030

Date of EUT Received: January 31, 2024

Date of Test: May 14, 2024 ~ May 20, 2024

Issue Date: June 13, 2024

Approved By _____

Aken Huang

Aken Huang

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 §15.247 and §15.407, 22H & 24E & 27 C & 90S.

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 |
|------------------|----------|----------------------------|---------------|-------------|--------|
| TERF2405001364E2 | 00 | Original. | June 6, 2024 | Karen Huang | |
| TERF2405001364E2 | 01 | Update applicant's address | June 13, 2024 | Karen Huang | * |
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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: | Connected DashCAM |
| Brand Name: | ASKEY |
| Model No.: | CDR9030 |
| Model Difference: | N/A |
| Hardware Version: | DV rev5 |
| Firmware Version: | sdm660_64-userdebug 9 1.0.0.240430240430.0407 test-keys |
| EUT Series No.: | E1F3P000605 |
| Power Supply: | 12Vdc from car charger; 3.7Vdc from rechargeable Lithium-ion battery |
| Test Software (Name/Version) | QRCT v4.0.00161.0 |

1.2 Modulation & Data Rate

BT/WLAN

| | |
|------------------|--|
| Modulation type: | BT: GFSK + π /4DQPSK + 8DPSK BLE: GFSK WLAN: CCK, DQPSK, DBPSK for DSSS in 802.11b 64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11g, 11n |
| Data Rate: | 802.11b: 1/2/5.5/11 Mbps 802.11g: 6/9/12/18/24/36/48/54 Mbps 802.11n_HT20: up to 72.2Mbps 802.11n_HT40: up to 150Mbps |

| | |
|------------------|--|
| Modulation type: | 64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11a, 11n 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11ac |
| 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 802.11 ac_VHT20: up to 86.7 Mbps 802.11 ac_VHT40: up to 200 Mbps 802.11 ac_VHT80: up to 433.3 Mbps |

WWAN

| | |
|------------------|----------------------|
| Modulation type: | QPSK / 16QAM / 64QAM |
|------------------|----------------------|

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1.3 Antenna Designation

| Antenna Type | Freq. | Peak Antenna Gain (dBi) |
|------------------|--------|-------------------------|
| Embedded Antenna | 2.4GHz | 0.22 |

| Antenna Type | Freq. (MHz) | Peak Antenna Gain (dBi) |
|------------------|-------------|-------------------------|
| Embedded Antenna | 5150~5250 | 3.07 |
| | 5250~5350 | 2.44 |
| | 5470~5725 | 3.17 |
| | 5725~5850 | 2.67 |

| Type | Modulation | Frequency (MHz) | | Peak Antenna Gain (dBi) |
|----------|---------------------|-----------------|--------|-------------------------|
| | | | | Ant0 |
| Embedded | LTE-Band 2 | 1850 | ~ 1910 | 0.99 |
| | LTE-Band 4 | 1710 | ~ 1755 | 1.14 |
| | LTE-Band 5 | 824 | ~ 849 | -0.63 |
| | LTE-Band 12 | 699 | ~ 716 | -2.4 |
| | LTE-Band 13 | 777 | ~ 787 | -0.99 |
| | LTE-Band 17 | 704 | ~ 716 | -2.4 |
| | LTE-Band 26 | 824 | ~ 849 | -0.04 |
| | LTE-Band 26 Part 90 | 814 | ~ 824 | -0.63 |

Note: Antenna information is provided by the applicant.

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1.4 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
 ANSI C63.10:2013
 FCC 47 CFR Part 2, 22H, 24E, 27C, Part 90.
 ANSI C63.26-2015

1.5 Test Facility

| Laboratory | Test Site Address | Test Site Name | FCC Designation number | IC CAB identifier |
|---|---|----------------|------------------------|-------------------|
| SGS Taiwan Ltd. Central RF Lab. (TAF code 3702) | No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan. | SAC 1 | TW0027 | TW3702 |
| | | 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 | |
| | | 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.

1.6 Special Accessories

There are no special accessories used while test was conducted.

1.7 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 Radiated Emissions

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

2.4 Measurement Results Explanation Example

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

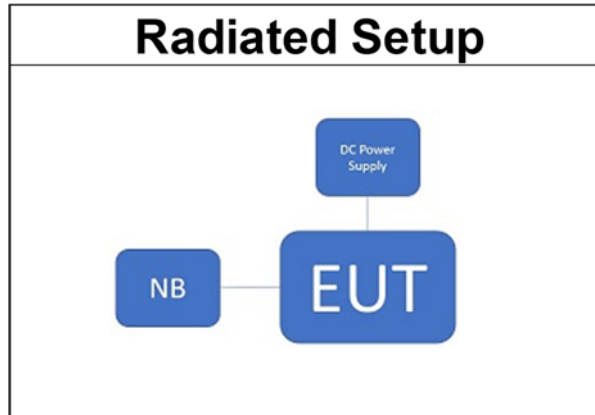
Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

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

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2.5 Test Configuration



2.6 Control Unit(s)

| Radiated Emission Test Site: SAC D | | | | | |
|------------------------------------|--------|--------------|---------------|-----------|----------|
| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| Notebook | Lenovo | L480 | P0002332 | N/A | N/A |
| USB Cable | MI | SJX10ZM | N/A | N/A | N/A |

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3 SUMMARY OF TEST RESULT

| FCC Rules | Description Of Test | Result |
|--|--|-----------|
| §2.1053 §24.238(a)(b) §27.53(h)(1)&(3) §22.917(a)(b) §27.53(g) §27.53(c)(2)~(6) §27.53 (f) §90.691(a) | Field Strength of Spurious Radiation | Compliant |
| §15.247(d) §15.209 | Undesirable Radiated Emissions | Compliant |

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4 DESCRIPTION OF TEST MODES

4.1 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.

Test mode

Final test modes are considering the modulation and worse data rate as below table.

| |
|-----------------------------|
| Combination1 |
| 802.11b+Bluetooth BR+LTE B2 |

| |
|-----------------------------|
| Combination2 |
| 802.11a+Bluetooth BR+LTE B2 |

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 |
|--------------------------------|-------------|
| 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 UNDESIRABLE RADIATED EMISSION MEASUREMENT

6.1 Standard Applicable

According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §27.53(h), §90.543(e)(3)

Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

FCC §27.53(g)

Compliance for operations in the 600 MHz, 698-746 MHz, 746-758 MHz and the 776-788 MHz band with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

FCC §27.53(h)(1)

(h) *AWS emission limits*—(1) *General protection levels*. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

§90.691 Emission mask requirements for EA-based systems

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \text{ Log}_{10}(f/6.1)$ decibels or $50 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

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6.1.1 5150~5850 MHz

| Applicable to | Operation Freq. (MHz) | EIRP | | Field Strength @ 3m (dBμV/m) |
|-------------------------------------|-----------------------|--|------------------|------------------------------|
| | | Freq. (MHz) | Limits (dBm/MHz) | |
| 15.407(b)(1) RSS-247 §6.2.1.2 | 5150~5250 | f ≤ 5150 f ≥ 5350 | PK: -27 | PK: 68.2 |
| 15.407(b)(2) RSS-247 §6.2.2.2 | 5250~5350 | | | |
| 15.407(b)(3) RSS-247 §6.2.3.2 | 5475~5725 | f ≤ 5470 f ≥ 5725 | | |
| 15.407(b)(4)(i) 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 |

6.1.2 Duty Cycle Correction Factor

According to 15. 35(c), the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value. The exact method of calculating the average field strength shall be submitted with any application for certification.

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6.1.3 Spurious Emission for Part 15C

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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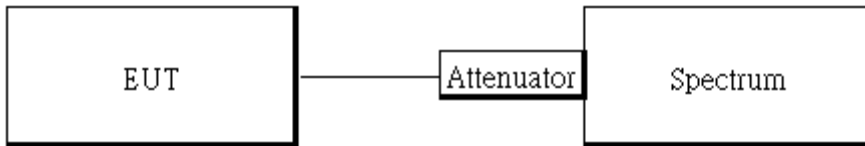
6.2 Measurement Equipment Used:

| Radiated Emission Test Site: SAC D | | | | | |
|------------------------------------|-----------------|-------------------|------------------------|------------|------------|
| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| Broadband Antenna | SCHWARZBECK | VULB 9168 | 9168-300 | 11/02/2023 | 11/01/2024 |
| Broadband Antenna | SCHWARZBECK | VULB 9168 | 9168-617 | 12/14/2023 | 12/13/2024 |
| Horn Antenna | Schwarzbeck | BBHA9170 | 184 | 12/28/2023 | 12/27/2024 |
| Horn Antenna | Schwarzbeck | BBHA9170 | 185 | 08/21/2023 | 08/20/2024 |
| Horn Antenna | Schwarzbeck | BBHA9120D | 1187 | 01/24/2024 | 01/23/2025 |
| Horn Antenna | Schwarzbeck | BBHA9120D | 1341 | 05/26/2023 | 05/25/2024 |
| 3m Site NSA | SGS | 966 chamber D | N/A | 04/30/2024 | 04/29/2025 |
| Spectrum Analyzer | KEYSIGHT | N9010A | MY57120290 | 04/10/2024 | 04/09/2025 |
| Radio Communication Analyzer | Anritsu | MT8820C | 6201107337 | 07/14/2023 | 07/13/2024 |
| Bluetooth Test Set | Anritsu | MT8852B | 1329002 | 04/12/2024 | 04/11/2025 |
| DC Power Supply | Gwinstek | SPS-3610 | GEW902165 | 01/17/2024 | 01/16/2025 |
| Test Software | audix | e3 | E3 20923 SGS Ver.9 (C) | N.C.R | N.C.R |
| Pre-Amplifier | EMC Instruments | EMC330 | 980096 | 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 | EMC9135 | 980234 | 11/15/2023 | 11/14/2024 |
| Pre-Amplifier | EMC Instruments | EMC12630SE | 980273 | 11/15/2023 | 11/14/2024 |
| Pre-Amplifier | EMC Instruments | EMC184945SEE | 980938 | 11/15/2023 | 11/14/2024 |
| Coaxial Cable | Huber+Suhner | RG 214/U | W21.01 | 11/15/2023 | 11/14/2024 |
| Coaxial Cable | Huber+Suhner | EMC106-SM-SM-7200 | 150703 | 11/15/2023 | 11/14/2024 |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 104 | MY17413/4 | 11/15/2023 | 11/14/2024 |

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

6.3 Test Setup

6.3.1 Duty Cycle Correction Factor



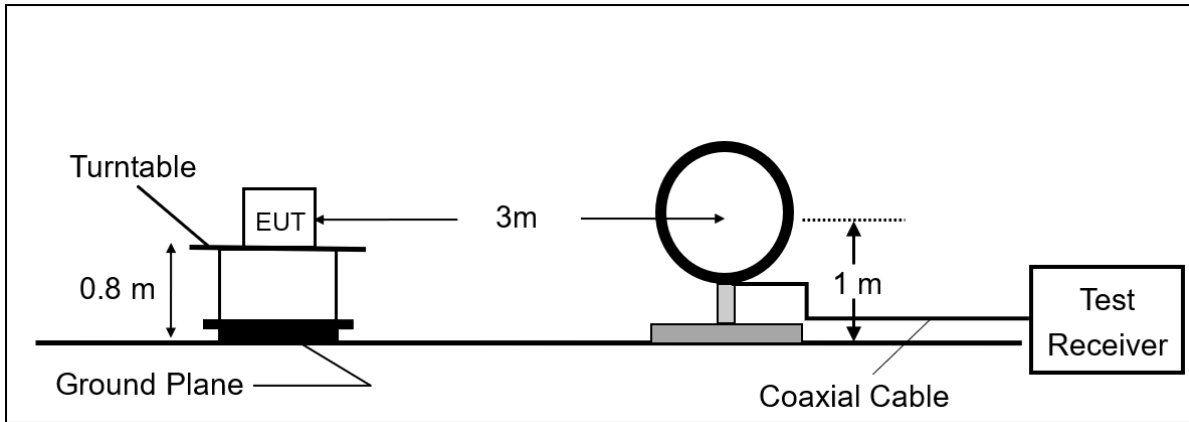
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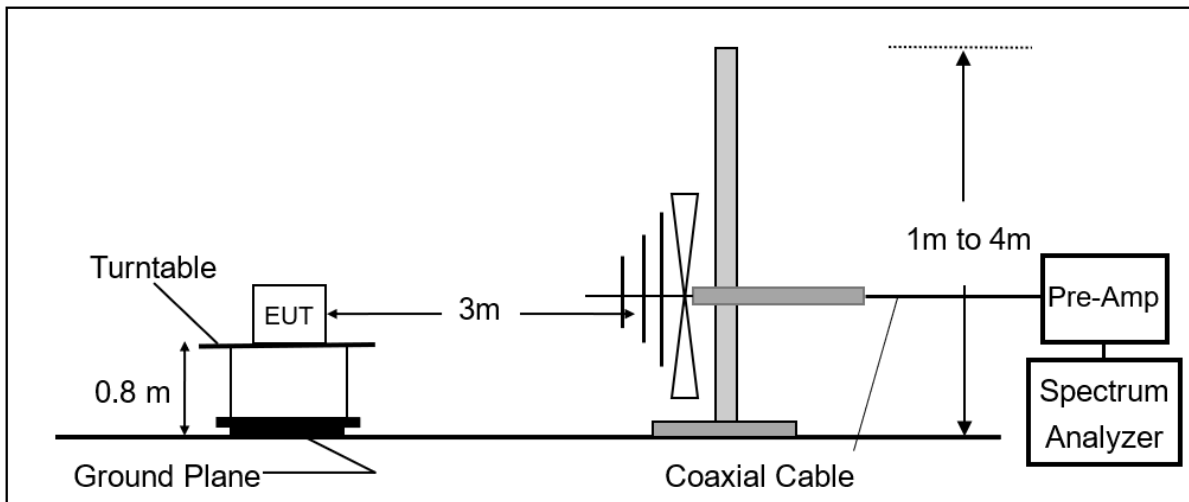
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6.3.2 Radiated Emission

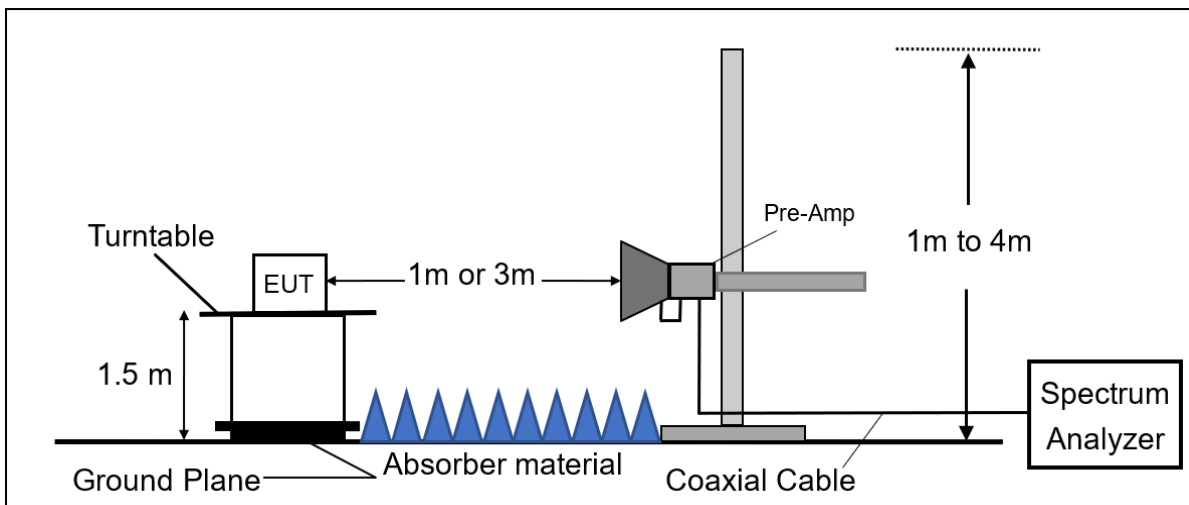
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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6.4 Measurement Procedure

For WWAN

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

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For Part 15C**Duty Cycle Correction Factor**

1. Adjust and configure any EUT switches, controls, or input data streams to ensure that the EUT is transmitting or encoded to obtain the “worst-case” pulse ON time.
2. The testing follows ANSI C63.10:2013.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
4. Set center frequency of spectrum analyzer = operating frequency.
5. Set the spectrum analyzer as RBW, VBW=1MHz, 3MHz, Span = 0Hz , Detector = Peak, Adjust Sweep=100ms.
6. Repeat above procedures until all frequency of the interest measured were complete.

Radiated Emission

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. According to C63.10:2013 Section 7.5 Procedure for determining the average value of pulsed emissions with duty cycle correction factor $20 \log (T_{on}/100ms)$.
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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6.5 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 $20 \cdot \log(uV/m)$

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

Factor(dB) = Antenna Factor(dBuV/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

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

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

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6.7 Radiated Spurious Emission Measurement Result

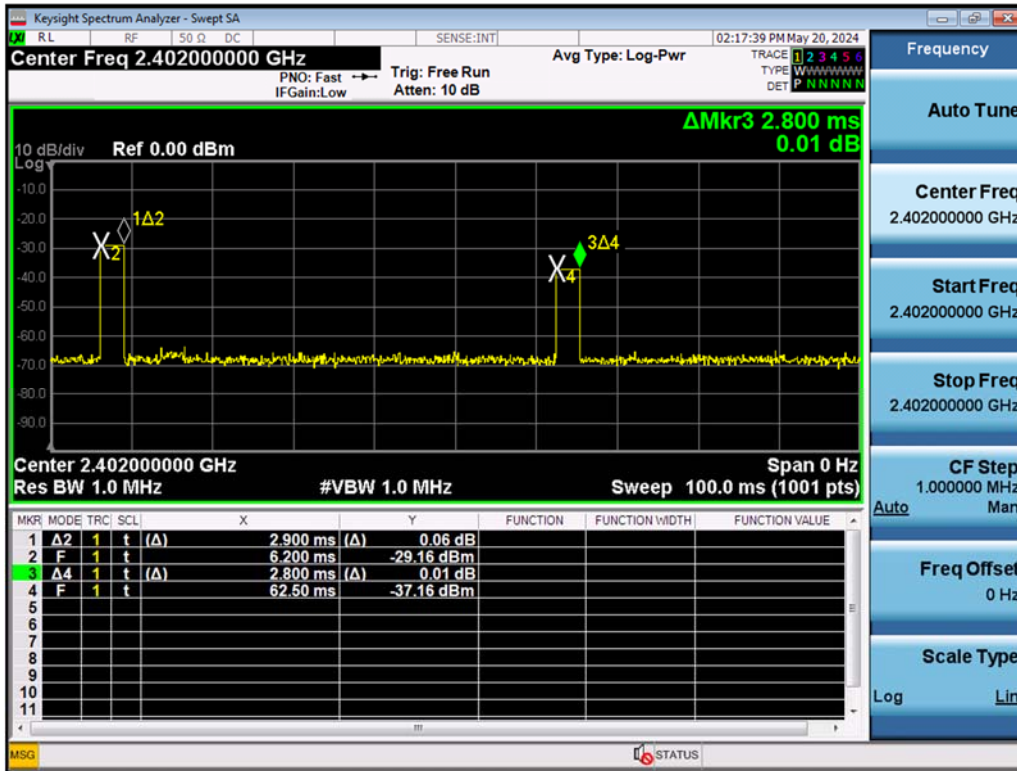
6.7.1 Duty Cycle Correction Factor

Bluetooth 1M

Time ON of 100ms: 5.800 ms
 Duty Cycle=5.8ms / 100ms= 0.058
 Duty Cycle correction factor=20 LOG 0.058 = -24.73 dB

6.7.2 Duty Cycle test plot

BR



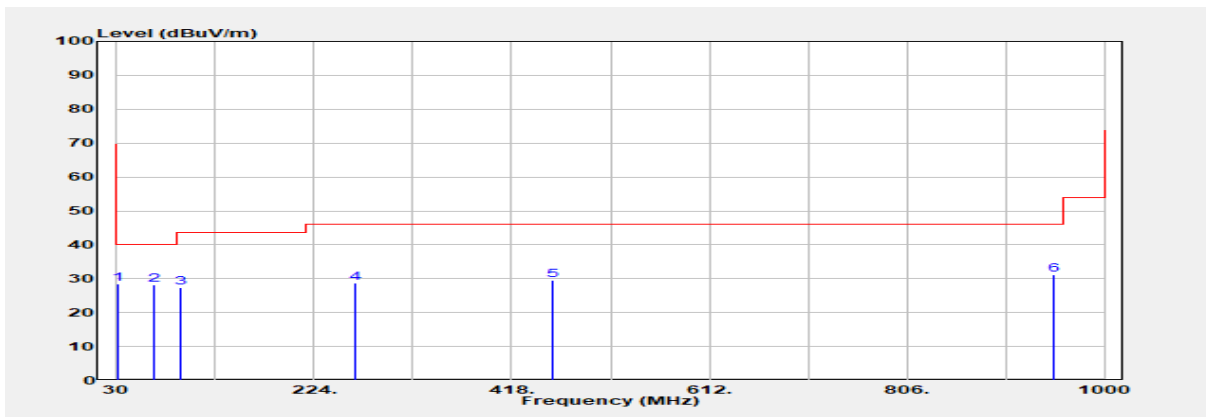
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6.7.3 Spurious Emission

Report Number :TERF2405001364E2
 Operation Mode :Co_location
 Test Frequency :2402/2412/1880 MHz
 Test Mode :Tx
 EUT Pol :H Plane
 Note :BR/802.11b/LTE B2

Test Site :SAC D
 Test Date :2024-05-20
 Temp./Humi. :22.3 °C/64%
 Antenna Pol. :Vertical
 Engineer :Sam Huang



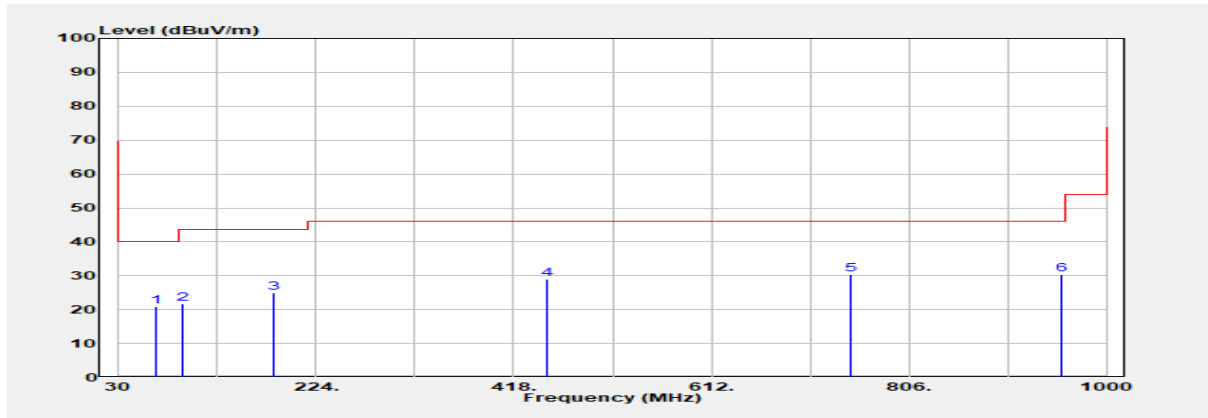
| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 31.940 | Peak | 47.15 | -18.69 | 28.46 | 40.00 | -11.54 |
| 66.860 | Peak | 47.10 | -18.87 | 28.23 | 40.00 | -11.77 |
| 93.050 | Peak | 49.95 | -22.61 | 27.34 | 43.50 | -16.16 |
| 263.770 | Peak | 45.66 | -16.96 | 28.71 | 46.00 | -17.29 |
| 458.740 | Peak | 41.28 | -11.71 | 29.57 | 46.00 | -16.43 |
| 949.560 | Peak | 35.29 | -4.14 | 31.14 | 46.00 | -14.86 |

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Report Number :TERF2405001364E2
 Operation Mode :Co_location
 Test Frequency :2402/2412/1880 MHz
 Test Mode :Tx
 EUT Pol :H Plane
 Note :BR/802.11b/LTE B2

Test Site :SAC D
 Test Date :2024-05-20
 Temp./Humi. :22.3 °C/64%
 Antenna Pol. :Horizontal
 Engineer :Sam Huang



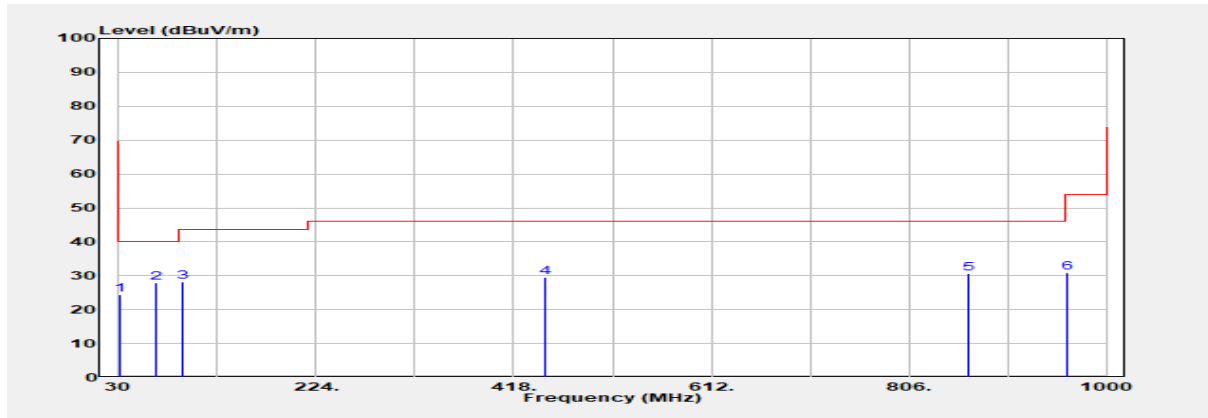
| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dBµV | Factor dB | Actual FS dBµV/m | Limit @3m dBµV/m | Margin dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 66.860 | Peak | 39.77 | -18.87 | 20.90 | 40.00 | -19.10 |
| 93.050 | Peak | 44.26 | -22.61 | 21.65 | 43.50 | -21.85 |
| 182.290 | Peak | 43.42 | -18.37 | 25.05 | 43.50 | -18.45 |
| 450.010 | Peak | 40.84 | -11.83 | 29.01 | 46.00 | -16.99 |
| 749.740 | Peak | 37.00 | -6.67 | 30.33 | 46.00 | -15.67 |
| 955.380 | Peak | 34.45 | -4.04 | 30.42 | 46.00 | -15.58 |

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 Operation Mode :Co_location
 Test Frequency :2402/5180/1880 MHz
 Test Mode :Tx
 EUT Pol :H Plane
 Note :BR/802.11a/LTE B2

Test Site :SAC D
 Test Date :2024-05-20
 Temp./Humi. :22.3 °C/64%
 Antenna Pol. :Vertical
 Engineer :Sam Huang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dBµV | Factor dB | Actual FS dBµV/m | Limit @3m dBµV/m | Margin dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 31.940 | Peak | 42.99 | -18.69 | 24.30 | 40.00 | -15.70 |
| 66.860 | Peak | 46.91 | -18.87 | 28.04 | 40.00 | -11.96 |
| 93.050 | Peak | 50.77 | -22.61 | 28.16 | 43.50 | -15.34 |
| 449.040 | Peak | 41.37 | -11.85 | 29.52 | 46.00 | -16.48 |
| 865.170 | Peak | 36.65 | -5.95 | 30.70 | 46.00 | -15.30 |
| 962.170 | Peak | 34.82 | -4.03 | 30.79 | 54.00 | -23.21 |

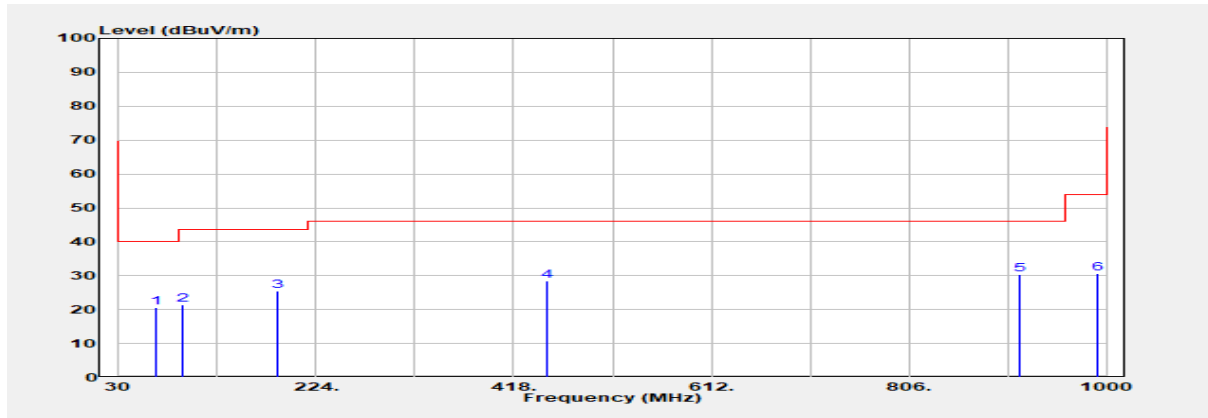
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Report Number :TERF2405001364E2
 Operation Mode :Co_location
 Test Frequency :2402/5180/1880 MHz
 Test Mode :Tx
 EUT Pol :H Plane
 Note :BR/802.11a/LTE B2

Test Site :SAC D
 Test Date :2024-05-20
 Temp./Humi. :22.3 °C/64%
 Antenna Pol. :Horizontal
 Engineer :Sam Huang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dBµV | Factor dB | Actual FS dBµV/m | Limit @3m dBµV/m | Margin dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 66.860 | Peak | 39.59 | -18.87 | 20.71 | 40.00 | -19.29 |
| 93.050 | Peak | 43.94 | -22.61 | 21.34 | 43.50 | -22.16 |
| 185.200 | Peak | 44.14 | -18.66 | 25.47 | 43.50 | -18.03 |
| 450.010 | Peak | 40.42 | -11.83 | 28.59 | 46.00 | -17.41 |
| 915.610 | Peak | 35.09 | -4.63 | 30.45 | 46.00 | -15.55 |
| 991.270 | Peak | 34.84 | -4.09 | 30.75 | 54.00 | -23.25 |

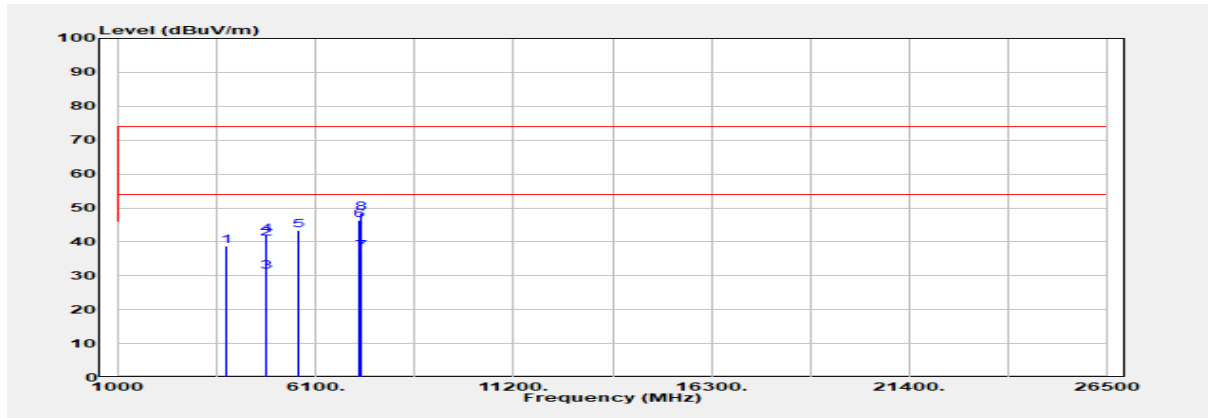
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Report Number :TERF2405001364E2
 Operation Mode :Co_location
 Test Frequency :2402/2412/1880 MHz
 Test Mode :Tx
 EUT Pol :H Plane
 Note :BR/802.11b/LTE B2

Test Site :SAC D
 Test Date :2024-05-20
 Temp./Humi. :22.3 °C/64%
 Antenna Pol. :Vertical
 Engineer :Sam Huang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dBµV | Factor dB | Actual FS dBµV/m | Limit @3m dBµV/m | Margin dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 3760.000 | Peak | 40.59 | -1.85 | 38.74 | 74.00 | -35.26 |
| 4804.000 | Peak | 39.91 | 0.98 | 40.89 | 74.00 | -33.11 |
| 4804.000 | Average | 40.89 | -24.73 | 16.16 | 54.00 | -37.84 |
| 4824.000 | Average | 29.97 | 1.10 | 31.07 | 54.00 | -22.93 |
| 4824.000 | Peak | 40.95 | 1.10 | 42.04 | 74.00 | -31.96 |
| 5640.000 | Peak | 40.44 | 2.99 | 43.43 | 74.00 | -30.57 |
| 7206.000 | Peak | 38.24 | 8.13 | 46.36 | 74.00 | -27.64 |
| 7206.000 | Average | 46.36 | -24.73 | 21.63 | 54.00 | -32.37 |
| 7236.000 | Average | 28.59 | 8.46 | 37.05 | 54.00 | -16.95 |
| 7236.000 | Peak | 40.03 | 8.46 | 48.49 | 74.00 | -25.51 |

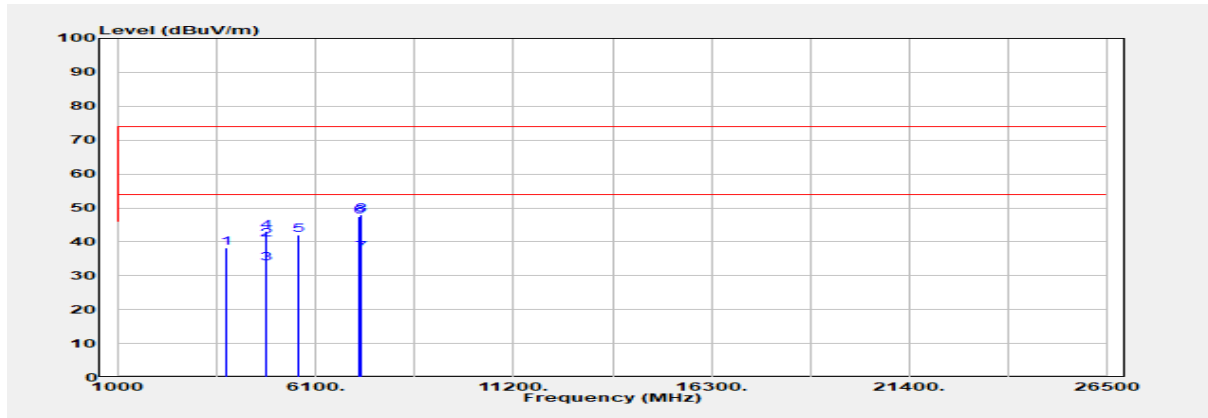
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Report Number :TERF2405001364E2
 Operation Mode :Co_location
 Test Frequency :2402/2412/1880 MHz
 Test Mode :Tx
 EUT Pol :H Plane
 Note :BR/802.11b/LTE B2

Test Site :SAC D
 Test Date :2024-05-20
 Temp./Humi. :22.3 °C/64%
 Antenna Pol. :Horizontal
 Engineer :Sam Huang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 3760.000 | Peak | 39.99 | -1.85 | 38.15 | 74.00 | -35.85 |
| 4804.000 | Peak | 39.58 | 0.98 | 40.56 | 74.00 | -33.44 |
| 4804.000 | Average | 40.56 | -24.73 | 15.83 | 54.00 | -38.17 |
| 4824.000 | Average | 32.41 | 1.10 | 33.51 | 54.00 | -20.49 |
| 4824.000 | Peak | 41.91 | 1.10 | 43.01 | 74.00 | -30.99 |
| 5640.000 | Peak | 39.10 | 2.99 | 42.09 | 74.00 | -31.91 |
| 7206.000 | Peak | 39.18 | 8.13 | 47.31 | 74.00 | -26.69 |
| 7206.000 | Average | 47.31 | -24.73 | 22.58 | 54.00 | -31.42 |
| 7236.000 | Average | 28.40 | 8.46 | 36.86 | 54.00 | -17.14 |
| 7236.000 | Peak | 39.43 | 8.46 | 47.90 | 74.00 | -26.10 |

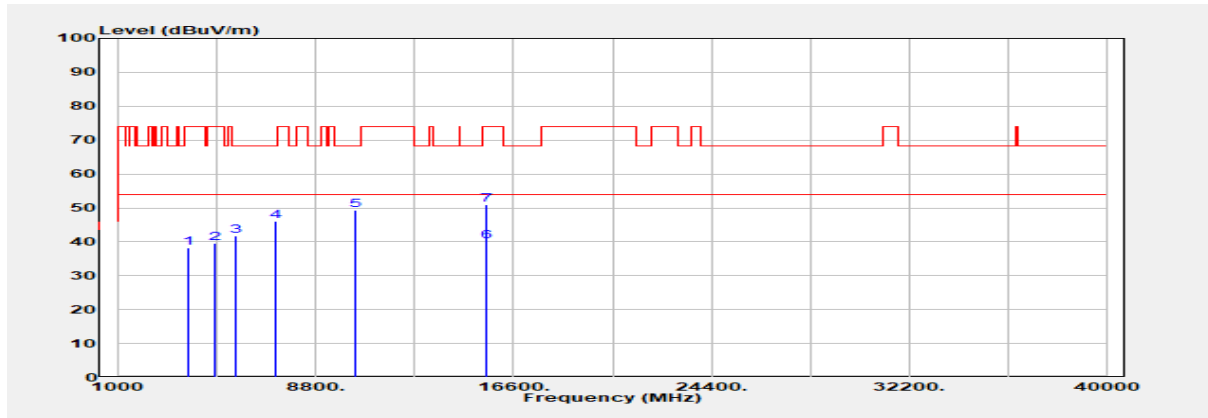
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Report Number :TERF2405001364E2
 Operation Mode :Co_location
 Test Frequency :2402/5180/1880 MHz
 Test Mode :Tx
 EUT Pol :H Plane
 Note :BR/802.11a/LTE B2

Test Site :SAC D
 Test Date :2024-05-20
 Temp./Humi. :22.3 °C/64%
 Antenna Pol. :Vertical
 Engineer :Sam Huang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 3760.000 | Peak | 39.93 | -1.85 | 38.08 | 74.00 | -35.92 |
| 4804.000 | Peak | 38.71 | 0.98 | 39.69 | 74.00 | -34.31 |
| 4804.000 | Average | 39.69 | -24.73 | 14.96 | 54.00 | -39.04 |
| 5640.000 | Peak | 38.73 | 2.99 | 41.72 | 68.20 | -26.48 |
| 7206.000 | Peak | 37.97 | 8.13 | 46.10 | 68.20 | -22.10 |
| 7206.000 | Average | 46.10 | -24.73 | 21.37 | 54.00 | -32.63 |
| 10360.000 | Peak | 36.41 | 12.89 | 49.30 | 68.20 | -18.90 |
| 15540.000 | Average | 25.76 | 14.32 | 40.08 | 54.00 | -13.92 |
| 15540.000 | Peak | 36.60 | 14.32 | 50.92 | 74.00 | -23.08 |

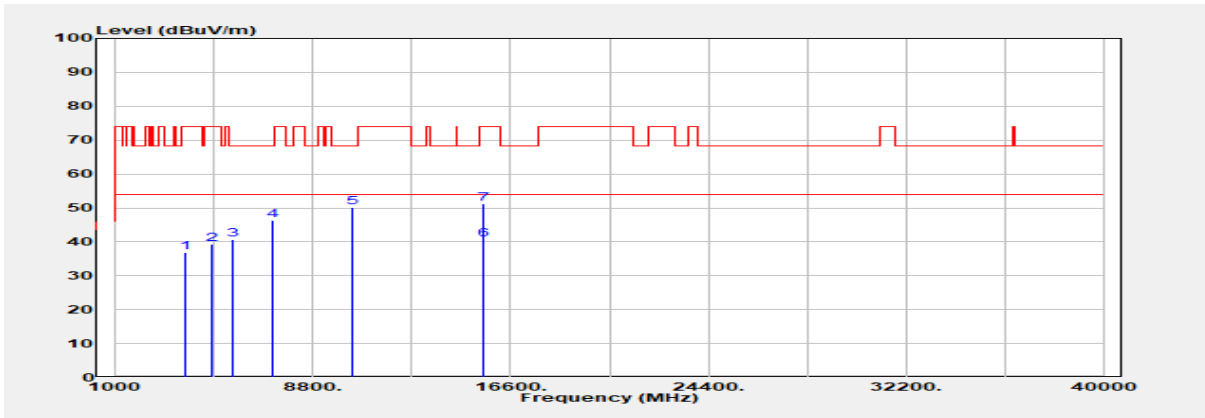
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Report Number :TERF2405001364E2
 Operation Mode :Co_location
 Test Frequency :2402/5180/1880 MHz
 Test Mode :Tx
 EUT Pol :H Plane
 Note :BR/802.11a/LTE B2

Test Site :SAC D
 Test Date :2024-05-20
 Temp./Humi. :22.3 °C/64%
 Antenna Pol. :Horizontal
 Engineer :Sam Huang



| Freq. MHz | Detector Mode PK/QP/AV | Spectrum Reading Level dB μ V | Factor dB | Actual FS dB μ V/m | Limit @3m dB μ V/m | Margin dB |
|--------------|------------------------------|---|--------------|------------------------------|------------------------------|--------------|
| 3760.000 | Peak | 38.57 | -1.85 | 36.72 | 74.00 | -37.28 |
| 4804.000 | Peak | 38.29 | 0.98 | 39.27 | 74.00 | -34.73 |
| 4804.000 | Average | 39.27 | -24.73 | 14.54 | 54.00 | -39.46 |
| 5640.000 | Peak | 37.72 | 2.99 | 40.71 | 68.20 | -27.49 |
| 7206.000 | Peak | 38.30 | 8.13 | 46.43 | 68.20 | -21.77 |
| 7206.000 | Average | 46.43 | -24.73 | 21.70 | 54.00 | -32.30 |
| 10360.000 | Peak | 37.17 | 12.89 | 50.06 | 68.20 | -18.14 |
| 15540.000 | Average | 26.20 | 14.32 | 40.52 | 54.00 | -13.48 |
| 15540.000 | Peak | 37.01 | 14.32 | 51.33 | 74.00 | -22.67 |

~ End of Report ~

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