

FCC Test Report

Product Name : UHD651-L

Trade Name : Vestel

Model No. : UHD651-L

FCC ID. : DoC

Applicant: VESTEL TRADE CO.

Address : Organize Sanayi Bölgesi (45030) Manisa/Türkiye

Date of Receipt : Feb. 18, 2017

Issued Date : Apr. 17, 2017

Report No. : 1720411R-RFUSP01V00

Report Version : V1.0





The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of DEKRA Testing and Certification Co., Ltd.



Test Report Certification

Issued Date : Apr. 17, 2017

Report No. : 1720411R-RFUSP01V00



Product Name : UHD651-L

Applicant : VESTEL TRADE CO.

Address : Organize Sanayi Bölgesi (45030) Manisa/Türkiye

Manufacturer : VESTEL TRADE CO.

Model No. : UHD651-L

FCC ID. : DoC

EUT Voltage : AC 100-240V, 50-60Hz

Testing Voltage : AC 120V/60Hz

Trade Name : Vestel

Applicable Standard : FCC CFR Title 47 Part 15 Subpart B: 2015 Class B,

CISPR 22: 2008, ANSI C63.4: 2014

1 10

Test Lab : Hsin Chu Laboratory

Test Result : Complied

The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of DEKRA Testing and Certification Co., Ltd.

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Revision History

| Report No. | Version | Description | Issued Date |
|---------------------|---------|-------------------------|---------------|
| 1720411R-RFUSP01V00 | V1.0 | Initial issue of report | Apr. 17, 2017 |
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Laboratory Information

We, **DEKRA Testing and Certification Co., Ltd.**, are an independent RF consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025 specified testing scopes:

Taiwan R.O.C. : TAF, Accreditation Number: 3024

USA : FCC, Registration Number: 834100

IC, Submission No: 181665

Canada : IC Registration Number: 22397-1 / 22397-2 / 22397-3

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:

http://www.dekra.com.tw/english/about/certificates.aspx?bval=5

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: http://www.dekra.com.tw/index_en.aspx

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TABLE OF CONTENTS

| Desc | ription | Page |
|--------|--------------------------------|------|
| 1. | General Information | 6 |
| 1.1. | EUT Description | 6 |
| 1.2. | Test Mode | 12 |
| 1.3. | Tested System Details | 13 |
| 1.4. | Configuration of tested System | 13 |
| 1.5. | EUT Exercise Software | 13 |
| 1.6. | Test Facility | 14 |
| 2. | Conducted Emission | 15 |
| 2.1. | Test Equipment | 15 |
| 2.2. | Test Setup | 15 |
| 2.3. | Limits | 16 |
| 2.4. | Test Procedure | 16 |
| 2.5. | Test Specification | 16 |
| 2.6. | Uncertainty | 16 |
| 2.7. | Test Result | 17 |
| 3. | Radiated Emission | 31 |
| 3.1. | Test Equipment | 31 |
| 3.2. | Test Setup | 31 |
| 3.3. | Limits | 32 |
| 3.4. | Test Procedure | 33 |
| 3.5. | Test Specification | 34 |
| 3.6. | Uncertainty | 34 |
| 3.7. | Test Result | 35 |
| Attach | ment 1 | 119 |
| | Test Setup Photograph | 119 |
| Attach | ment 2 | 134 |
| | EUT External Photograph | 134 |



1. General Information

1.1. EUT Description

| Product Name | UHD651-L |
|--------------|----------|
| Trade Name | Vestel |
| Model No. | UHD651-L |

WiFi

| ***** | | |
|--------------------|----------------------|---|
| Product Type | WLAN (2TX, 2RX) | |
| Frequency Range/ | IEEE 802.11b/g & | 2412~2462MHz / 11 Channels |
| Channel Number | IEEE 802.11n (20MHz) | |
| | IEEE 802.11n (40MHz) | 2422~2452MHz / 7 Channels |
| | IEEE 802.11a/ | 5180~5240MHz / 4 Channels |
| | IEEE 802.11n (20MHz) | 5260~5320MHz / 4 Channels |
| | | 5500~5700MHz / 11 Channels |
| | IEEE 802.11n (40MHz) | 5190~5230MHz / 2 Channels |
| | | 5270~5310MHz / 2 Channels |
| | | 5510~5630MHz / 5 Channels |
| Type of Modulation | IEEE 802.11b | Direct Sequence Spread Spectrum (DSSS) |
| | IEEE 802.11g/n/a | Orthogonal Frequency Division Multiplexing (OFDM) |
| Data Speed | IEEE 802.11b | 1Mbps, 2Mbps, 5.5Mbps, 11Mbps |
| | IEEE 802.11g | 6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48 |
| | | Mbps,54Mbps |
| | IEEE 802.11a | 6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48 |
| | | Mbps,54Mbps |
| | IEEE 802.11n | Support a subset of the combination of GI, MCS |
| | | 0~MCS 15 and bandwidth defined in 802.11n |

| Antenna Information | n |
|---------------------|-------------------------------------|
| Antenna Type | PIFA Antenna |
| Antenna Gain | 2G Antenna 0: 3.75 dBi |
| | 2G Antenna 1: 4.50 dBi |
| | 5 G low band-Antenna 0: 6.75 dBi |
| | 5 G low band-Antenna 1: 6.50 dBi |
| | 5 G medium band-Antenna 0: 7.00 dBi |
| | 5 G medium band-Antenna 1: 7.50 dBi |

Bluetooth 2.0/ Bluetooth 4.0

| Frequency Range/ | 2402~2480MHz / 79 Channels for BT 2.0 |
|--------------------|---------------------------------------|
| Channel Number | 2402~2480MHz / 40 Channels for BT 4.0 |
| Type of Modulation | GFSK, π/4-DQPSK, 8-DPSK |

| Antenna Information | |
|---------------------|--------------|
| Antenna Type | PIFA Antenna |
| Antenna Gain | 2 dBi |



ANT-TX / RX & Bandwidth

| ANT-TX / RX | | TX | | RX | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|--|
| Mode/ Channel Bandwidth | 20MHz | 40MHz | 80MHz | 20MHz | 40MHz | 80MHz | |
| IEEE802.11b | ✓ | | | ✓ | | | |
| IEEE802.11g | ✓ | | | ✓ | | | |
| IEEE802.11a | ✓ | | | ✓ | | | |
| IEEE802.11n | ✓ | ✓ | | ✓ | ✓ | | |
| IEEE802.11ac | | | | | | | |



IEEE 802.11n

| | | | | N _{CBPS} | | N _{DBPS} | | Data Rate(Mb/s) | | | | |
|-------|--|-----|--------------------|-------------------|---------|-------------------|-------|-----------------|-------|-------|---------|--|
| MCS | Modulation | R | N _{BPSCS} | 008411- | 400411- | 001411- | | 800ns GI 40 | | | 00ns GI | |
| Index | | | | 20MHz | 40MHz | 20MHz | 40MHz | 20MHz | 40MHz | 20MHz | 40MHz | |
| 0 | BPSK | 1/2 | 1 | 52 | 108 | 26 | 54 | 6.5 | 13.5 | 7.2 | 15.0 | |
| 1 | QPSK | 1/2 | 2 | 104 | 216 | 52 | 108 | 13.0 | 27.0 | 14.4 | 30.0 | |
| 2 | QPSK | 3/4 | 2 | 104 | 216 | 78 | 162 | 19.5 | 40.5 | 21.7 | 45.0 | |
| 3 | 16-QAM | 1/2 | 4 | 208 | 432 | 104 | 216 | 26.0 | 54.0 | 28.9 | 60.0 | |
| 4 | 16-QAM | 3/4 | 4 | 208 | 432 | 156 | 324 | 39.0 | 81.0 | 43.3 | 90.0 | |
| 5 | 64-QAM | 2/3 | 6 | 312 | 648 | 208 | 432 | 52.0 | 108.0 | 57.8 | 120.0 | |
| 6 | 64-QAM | 3/4 | 6 | 312 | 648 | 234 | 486 | 58.5 | 121.5 | 65.0 | 135.0 | |
| 7 | 64-QAM | 5/6 | 6 | 312 | 648 | 260 | 540 | 65.0 | 135.0 | 72.2 | 150.0 | |
| N | Note 4. O assert of 400 or Oliverative state of the service of the | | | | | | | | | | | |

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 1 – MCS parameters for TX Antenna number = 1

| 1400 | | | | N _C | BPS | N _{DBPS} | | Data Rate(Mb/s) | | | |
|-------|------------|-----|--------------------|----------------|-------|-------------------|-----------|-----------------|-------|----------|-------|
| MCS | Modulation | R | N _{BPSCS} | 008411- | | 000411- | MHz 40MHz | 800r | s GI | 400ns GI | |
| Index | | | | 20MHz | 40MHz | 20MHz | | 20MHz | 40MHz | 20MHz | 40MHz |
| 8 | BPSK | 1/2 | 1 | 104 | 216 | 52 | 108 | 13.0 | 27.0 | 14.4 | 30.0 |
| 9 | QPSK | 1/2 | 2 | 208 | 432 | 104 | 216 | 26.0 | 54.0 | 28.9 | 60.0 |
| 10 | QPSK | 3/4 | 2 | 208 | 432 | 156 | 324 | 39.0 | 81.0 | 43.3 | 90.0 |
| 11 | 16-QAM | 1/2 | 4 | 416 | 864 | 208 | 432 | 52.0 | 108.0 | 57.8 | 120.0 |
| 12 | 16-QAM | 3/4 | 4 | 416 | 864 | 312 | 648 | 78.0 | 162.0 | 86.7 | 180.0 |
| 13 | 64-QAM | 2/3 | 6 | 624 | 1296 | 416 | 864 | 104.0 | 216.0 | 115.6 | 240.0 |
| 14 | 64-QAM | 3/4 | 6 | 624 | 1296 | 468 | 972 | 117.0 | 243.0 | 130.0 | 270.0 |
| 15 | 64-QAM | 5/6 | 6 | 624 | 1296 | 520 | 1080 | 130.0 | 270.0 | 144.4 | 300.0 |

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 2 – MCS parameters for TX Antenna number = 2

| Symbol | Explanation |
|-------------------|---|
| R | Code rate |
| N _{BPSC} | Number of coded bits per single carrier |
| N _{CBPS} | Number of coded bits per symbol |
| N _{DBPS} | Number of data bits per symbol |
| GI | guard interval |



WiFi

IEEE 802.11b/g & IEEE 802.11n (20MHz)-2.4G

| Working | Working Frequency of Each Channel | | | | | | | | | | |
|---|-----------------------------------|-----|----------|-----|----------|-----------|----------|--|--|--|--|
| Channel Frequency Channel Frequency Channel Frequency Channel | | | | | | Frequency | | | | | |
| 001 | 2412 MHz | 002 | 2417 MHz | 003 | 2422 MHz | 004 | 2427 MHz | | | | |
| 005 | 2432 MHz | 006 | 2437 MHz | 007 | 2442 MHz | 800 | 2447 MHz | | | | |
| 009 | 2452 MHz | 010 | 2457 MHz | 011 | 2462 MHz | | | | | | |

IEEE 802.11n (40MHz)-2.4G

| Working I | Working Frequency of Each Channel | | | | | | | | | | |
|-----------|---|-----|----------|-----|----------|-----|--------------|--|--|--|--|
| Channel | Channel Frequency Channel Frequency Channel Frequency Channel Frequency | | | | | | | | | | |
| 003 | 2422 MHz | 004 | 2427 MHz | 005 | 2432 MHz | 006 | 006 2437 MHz | | | | |
| 007 | 007 2442 MHz 008 2447 MHz 009 2452 MHz | | | | | | | | | | |

IEEE 802.11a & IEEE 802.11n (20MHz) -5G

| Working | Working Frequency of Each Channel | | | | | | | | | | | |
|---|-----------------------------------|-----|----------|-----|----------|-----|-----------|--|--|--|--|--|
| Channel Frequency Channel Frequency Channel Frequency Channel Frequency | | | | | | | Frequency | | | | | |
| 36 | 5180 MHz | 40 | 5200 MHz | 44 | 5220 MHz | 48 | 5240 MHz | | | | | |
| 52 | 5260 MHz 56 528 | | 5280 MHz | 60 | 5300 MHz | 64 | 5320 MHz | | | | | |
| 100 | 5500 MHz | 104 | 5520 MHz | 108 | 5540 MHz | 112 | 5560 MHz | | | | | |
| 116 | 5580 MHz | 132 | 5660 MHz | 136 | 5680 MHz | 140 | 5700 MHz | | | | | |

IEEE 802.11n (40MHz)-5G

| Working Frequency of Each Channel | | | | | | | | | | |
|--|---|-----|----------|-----|----------|--|--|--|--|--|
| Channel Frequency Channel Frequency Channel Frequency Channel Freque | | | | | | | | | | |
| 38 | 38 5190 MHz 46 5230 MHz 54 5270 MHz 62 5310 MHz | | | | | | | | | |
| 102 | 5510 MHz | 110 | 5550 MHz | 134 | 5670 MHz | | | | | |



Bluetooth 2.0

| Working F | Working Frequency of Each Channel | | | | | | | | | |
|------------|-----------------------------------|------------|-----------|------------|-----------|------------|-----------|--|--|--|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency | | | |
| Channel 00 | 2402 MHz | Channel 20 | 2422 MHz | Channel 40 | 2442 MHz | Channel 60 | 2462 MHz | | | |
| Channel 01 | 2403 MHz | Channel 21 | 2423 MHz | Channel 41 | 2443 MHz | Channel 61 | 2463 MHz | | | |
| Channel 02 | 2404 MHz | Channel 22 | 2424 MHz | Channel 42 | 2444 MHz | Channel 62 | 2464 MHz | | | |
| Channel 03 | 2405 MHz | Channel 23 | 2425 MHz | Channel 43 | 2445 MHz | Channel 63 | 2465 MHz | | | |
| Channel 04 | 2406 MHz | Channel 24 | 2426 MHz | Channel 44 | 2446 MHz | Channel 64 | 2466 MHz | | | |
| Channel 05 | 2407 MHz | Channel 25 | 2427 MHz | Channel 45 | 2447 MHz | Channel 65 | 2467 MHz | | | |
| Channel 06 | 2408 MHz | Channel 26 | 2428 MHz | Channel 46 | 2448 MHz | Channel 66 | 2468 MHz | | | |
| Channel 07 | 2409 MHz | Channel 27 | 2429 MHz | Channel 47 | 2449 MHz | Channel 67 | 2469 MHz | | | |
| Channel 08 | 2410 MHz | Channel 28 | 2430 MHz | Channel 48 | 2450 MHz | Channel 68 | 2470 MHz | | | |
| Channel 09 | 2411 MHz | Channel 29 | 2431 MHz | Channel 49 | 2451 MHz | Channel 69 | 2471 MHz | | | |
| Channel 10 | 2412 MHz | Channel 30 | 2432 MHz | Channel 50 | 2452 MHz | Channel 70 | 2472 MHz | | | |
| Channel 11 | 2413 MHz | Channel 31 | 2433 MHz | Channel 51 | 2453 MHz | Channel 71 | 2473 MHz | | | |
| Channel 12 | 2414 MHz | Channel 32 | 2434 MHz | Channel 52 | 2454 MHz | Channel 72 | 2474 MHz | | | |
| Channel 13 | 2415 MHz | Channel 33 | 2435 MHz | Channel 53 | 2455 MHz | Channel 73 | 2475 MHz | | | |
| Channel 14 | 2416 MHz | Channel 34 | 2436 MHz | Channel 54 | 2456 MHz | Channel 74 | 2476 MHz | | | |
| Channel 15 | 2417 MHz | Channel 35 | 2437 MHz | Channel 55 | 2457 MHz | Channel 75 | 2477 MHz | | | |
| Channel 16 | 2418 MHz | Channel 36 | 2438 MHz | Channel 56 | 2458 MHz | Channel 76 | 2478 MHz | | | |
| Channel 17 | 2419 MHz | Channel 37 | 2439 MHz | Channel 57 | 2459 MHz | Channel 77 | 2479 MHz | | | |
| Channel 18 | 2420 MHz | Channel 38 | 2440 MHz | Channel 58 | 2460 MHz | Channel 78 | 2480 MHz | | | |
| Channel 19 | 2421 MHz | Channel 39 | 2441 MHz | Channel 59 | 2461 MHz | | | | | |

Bluetooth 4.0

| Biuetoutii 4.0 | | | | | | | | | | | |
|----------------|-----------------------------------|------------|-----------|------------|-----------|------------|-----------|--|--|--|--|
| Working F | Working Frequency of Each Channel | | | | | | | | | | |
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency | | | | |
| Channel 00 | 2402 MHz | Channel 10 | 2422 MHz | Channel 20 | 2442 MHz | Channel 30 | 2462 MHz | | | | |
| Channel 01 | 2404 MHz | Channel 11 | 2424 MHz | Channel 21 | 2444 MHz | Channel 31 | 2464 MHz | | | | |
| Channel 02 | 2406 MHz | Channel 12 | 2426 MHz | Channel 22 | 2446 MHz | Channel 32 | 2466 MHz | | | | |
| Channel 03 | 2408 MHz | Channel 13 | 2428 MHz | Channel 23 | 2448 MHz | Channel 33 | 2468 MHz | | | | |
| Channel 04 | 2410 MHz | Channel 14 | 2430 MHz | Channel 24 | 2450 MHz | Channel 34 | 2470 MHz | | | | |
| Channel 05 | 2412 MHz | Channel 15 | 2432 MHz | Channel 25 | 2452 MHz | Channel 35 | 2472 MHz | | | | |
| Channel 06 | 2414 MHz | Channel 16 | 2434 MHz | Channel 26 | 2454 MHz | Channel 36 | 2474 MHz | | | | |
| Channel 07 | 2416MHz | Channel 17 | 2436 MHz | Channel 27 | 2456 MHz | Channel 37 | 2476 MHz | | | | |
| Channel 08 | 2418 MHz | Channel 18 | 2438 MHz | Channel 28 | 2458 MHz | Channel 38 | 2478 MHz | | | | |
| Channel 09 | 2420 MHz | Channel 19 | 2440 MHz | Channel 29 | 2460 MHz | Channel 39 | 2480 MHz | | | | |

Page: 10 of 137



- 1. This device is an UHD651-L including 2.4G & 5GHz Wifi: a/b/g/n (2x2) \ BT 2.0 \ BT4.0 transmitting and receiving function.
- 2. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart B for Wifi 2.4GHz/ wifi 5GHz/BT.
- This device is a composite device in accordance with Part 15 regulations. The function for the transmitting was measured and made a test report that the report number is certified under 1720411R-RFUSP01V00-A & 1720411R-RFUSP01V00-B & 1720411R-RFUSP71V00 & 1720411R-RFUSP49V00, FCC ID: XU6-UHD651-L



1.2. Test Mode

DEKRA has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

| RX | Mode 1: Rx_BT2.0 |
|----|----------------------|
| | Mode 2: Rx_BT4.0 |
| | Mode 3: Rx_WiFi 2.4G |
| | Mode 4: Rx_WiFi 5G |
| | Mode 5: Normal Link |

| Test Items | Mode 1 | Mode 2 | Mode 3 | Mode 4 | Mode 5 |
|--------------------------------|--------|--------|--------|--------|--------|
| Conducted Emission | Yes | Yes | Yes | Yes | Yes |
| Radiated Emission (Below 1GHz) | Yes | Yes | Yes | Yes | Yes |
| Radiated Emission (Above 1GHz) | Yes | Yes | Yes | Yes | Yes |

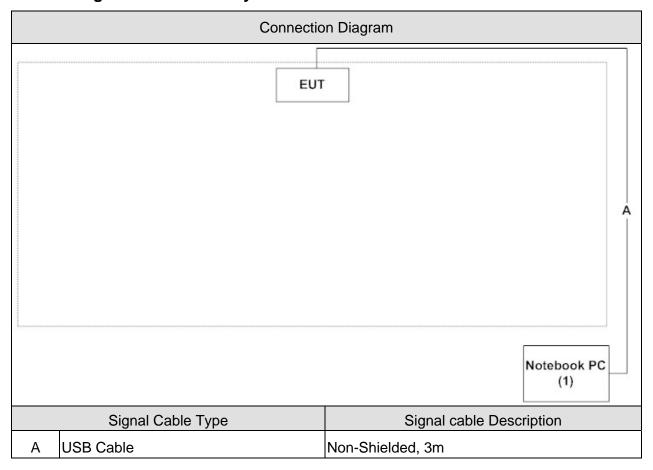


1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

| | Product | Manufacturer | Model No. | Serial No. | FCC ID | Power Cord |
|---|-------------|--------------|-----------|-------------|--------|-------------------------|
| 1 | Notebook PC | ASUS | X522EP | E5N0CV04326 | DoC | Non-Shielded, 1.8m, |
| | | | | 4197 | | one ferrite core bonded |

1.4. Configuration of tested System



1.5. EUT Exercise Software

| 1 | Setup the EUT as shown in Section 1.4. |
|---|---|
| 2 | Execute the test program "MTool_2.0.2.1.exe". |
| 3 | Configure the test mode, the test channel, and the data rate. |
| 4 | Start the continuous Receiver. |
| 5 | Verify that the EUT works properly. |



1.6. Test Facility

Ambient conditions in the laboratory:

| Items | Test Item | Required (IEC 68-1) | Actual | |
|----------------------------|----------------------|---------------------|----------|--|
| Temperature (°C) | | 15 - 35 | 25 | |
| Humidity (%RH) | | 25 - 75 | 50 | |
| Barometric pressure (mbar) | Conducted Emission | 860 - 1060 | 950-1000 | |
| Temperature (°C) | | 15 - 35 | 25 | |
| Humidity (%RH) | FCC PART 15 B 15.109 | 25 - 75 | 65 | |
| Barometric pressure (mbar) | Radiated Emission | 860 - 1060 | 950-1000 | |



2. Conducted Emission

2.1. Test Equipment

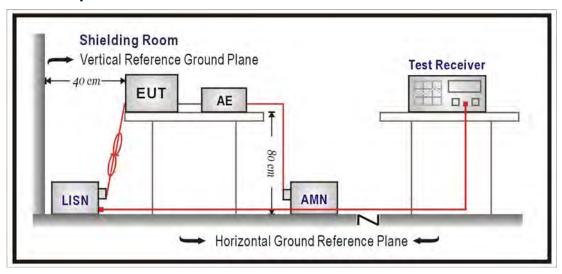
The following test equipments are used during the test:

Conducted Emission / SR2-H

| Instrument | Manufacturer | Model No. | Serial No | Next Cal. Date |
|--------------------------|--------------|-----------|------------|----------------|
| Artificial Mains Network | R&S | ENV4200 | 848411/010 | 2018/02/05 |
| LISN | R&S | ENV216 | 100092 | 2017/08/16 |
| Test Receiver | R&S | ESCS 30 | 836858/022 | 2018/01/14 |

Note: All equipments that need to calibrate are with calibration period of 1 year.

2.2. Test Setup





2.3. Limits

| FCC Part 15 Subpart B Paragraph 15.107 Limits (dBuV) | | | | |
|--|---------|----|---------|---------|
| Frequency | Class A | | Class B | |
| MHz | QP | AV | QP | AV |
| 0.15 - 0.50 | 79 | 66 | 66 - 56 | 56 - 46 |
| 0.50 - 5.0 | 73 | 60 | 56 | 46 |
| 5.0 - 30 | 73 | 60 | 60 | 50 |

Remarks: In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz

2.5. Test Specification

According to FCC Part 15 Subpart B: 2015

using a receiver bandwidth of 9KHz.

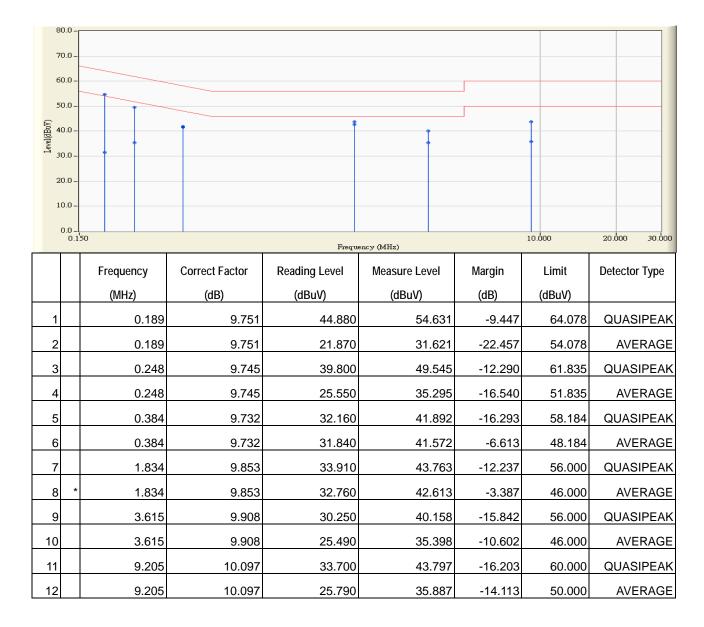
2.6. Uncertainty

The measurement uncertainty is defined as \pm 2.26 dB.



2.7. Test Result

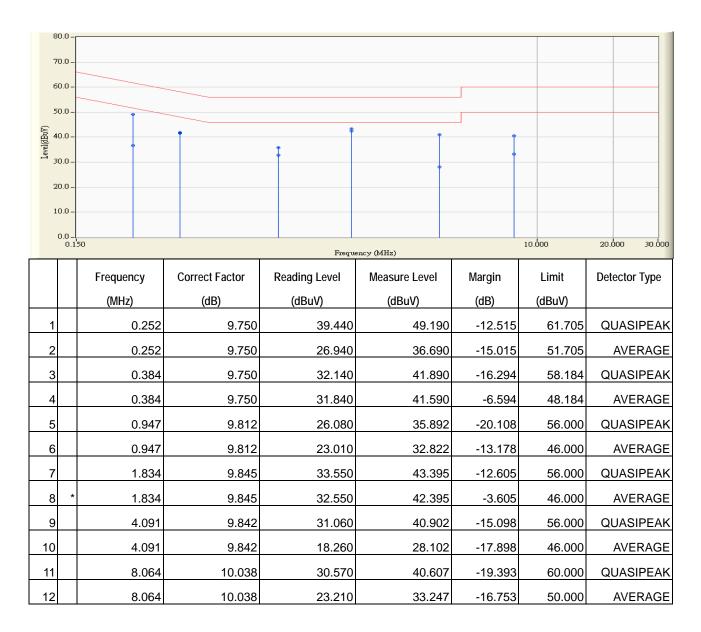
| Site : SR2-H | Time : 2017/04/11 |
|--|---------------------------------|
| Limit : CISPR_B_00M_QP | Margin: 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line1 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2441MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



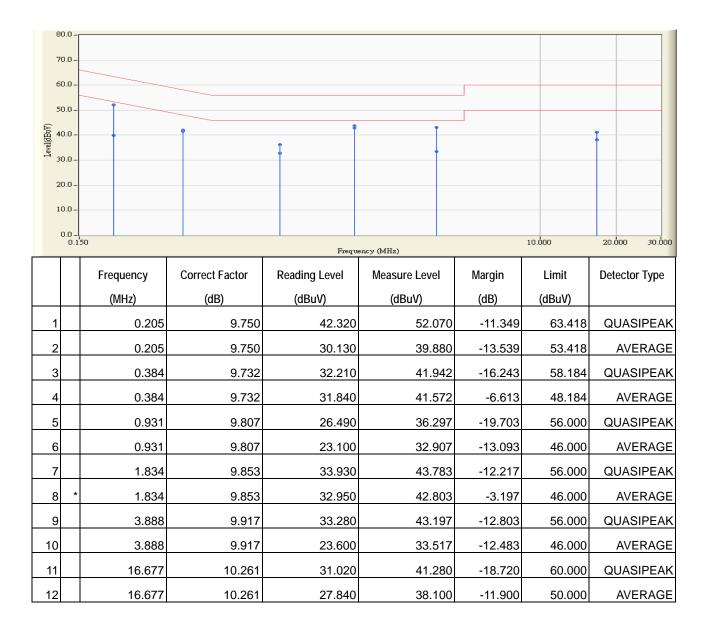
| Site : SR2-H | Time : 2017/04/11 |
|--|---------------------------------|
| Limit : CISPR_B_00M_QP | Margin : 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line2 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2441MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



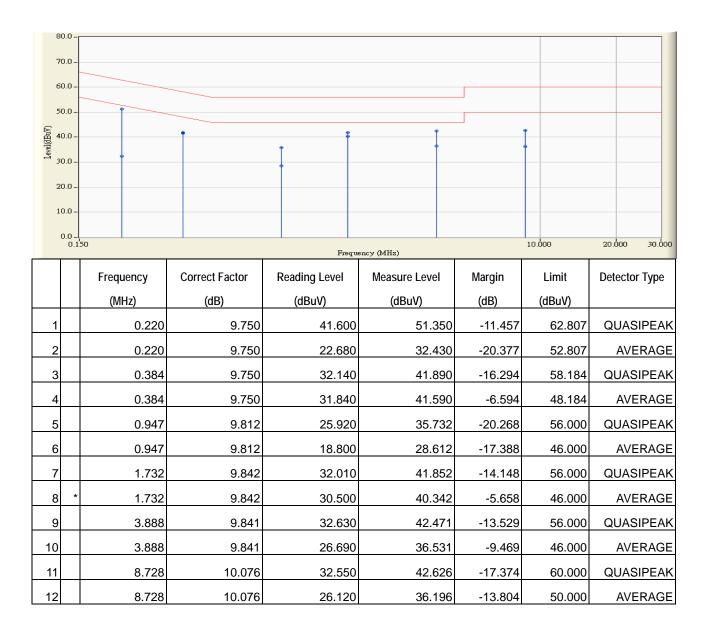
| Site : SR2-H | Time : 2017/04/11 |
|--|---------------------------------|
| Limit : CISPR_B_00M_QP | Margin : 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line1 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 2: Rx_BT4.0_2440MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



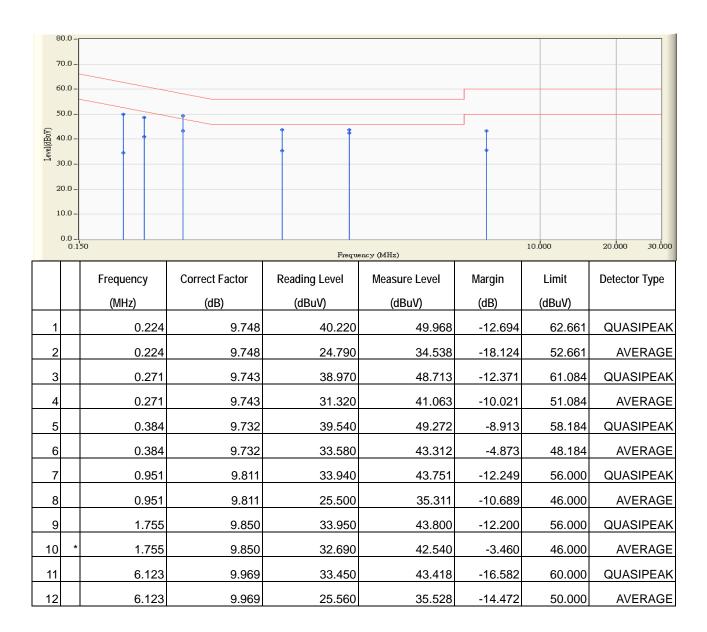
| Site : SR2-H | Time : 2017/04/11 |
|--|---------------------------------|
| Limit : CISPR_B_00M_QP | Margin : 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line2 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 2: Rx_BT4.0_2440MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



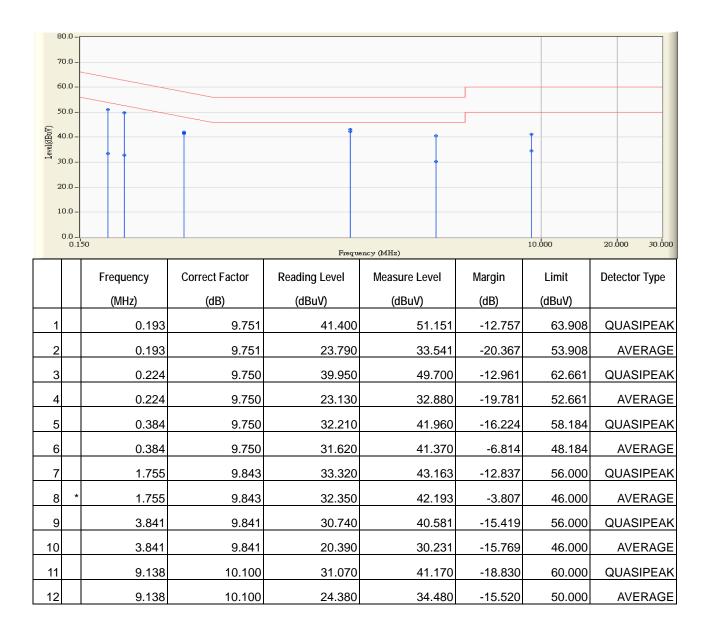
| Site : SR2-H | Time : 2017/04/11 |
|--|--|
| Limit : CISPR_B_00M_QP | Margin : 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line1 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(40M)_2437MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



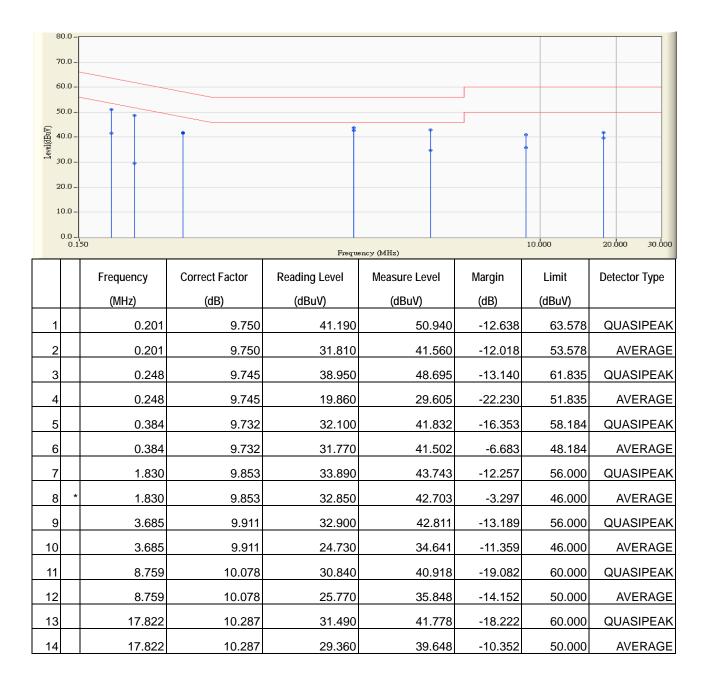
| Site : SR2-H | Time : 2017/04/11 |
|--|--|
| Limit : CISPR_B_00M_QP | Margin : 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line2 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(40M)_2437MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



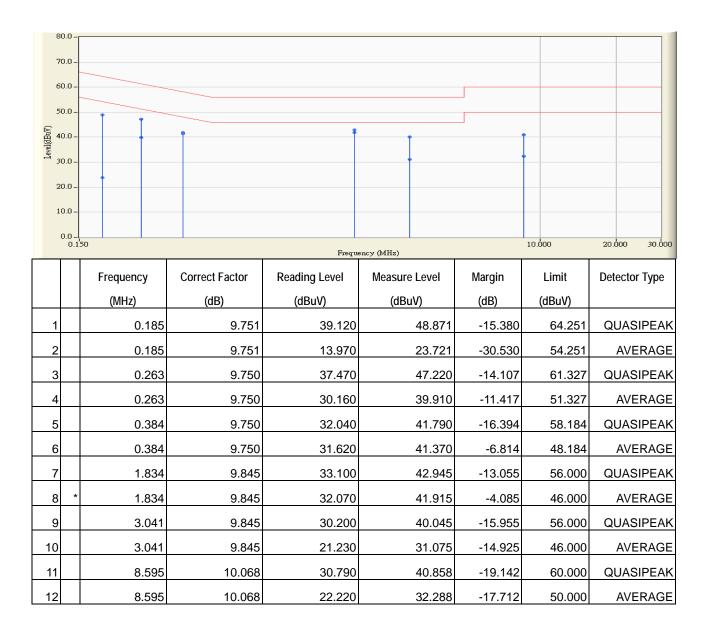
| Site : SR2-H | Time : 2017/04/11 |
|--|--|
| Limit : CISPR_B_00M_QP | Margin : 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line1 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5190MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



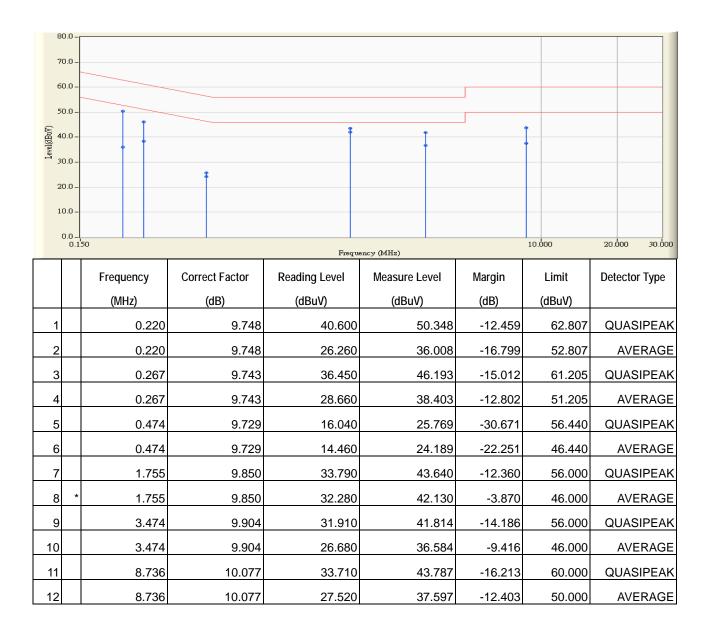
| Site : SR2-H | Time : 2017/04/11 |
|--|--|
| Limit : CISPR_B_00M_QP | Margin: 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line2 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5190MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



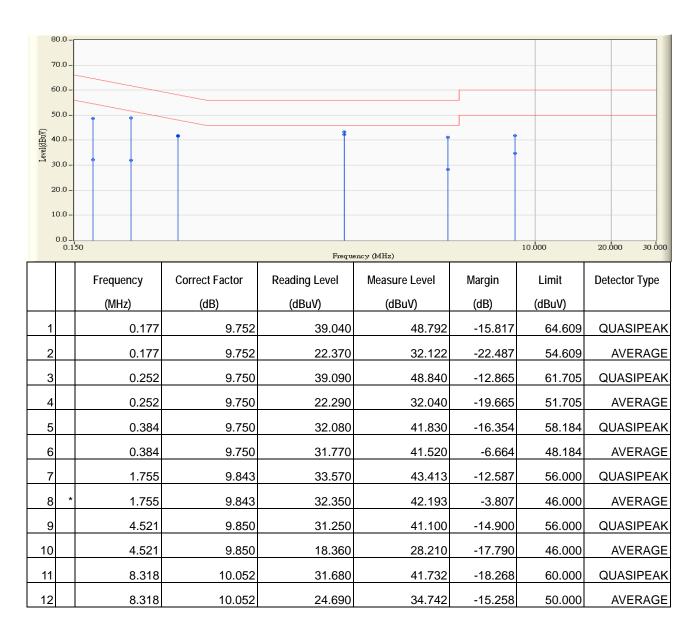
| Site : SR2-H | Time : 2017/04/11 |
|--|--|
| Limit : CISPR_B_00M_QP | Margin : 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line1 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5270MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



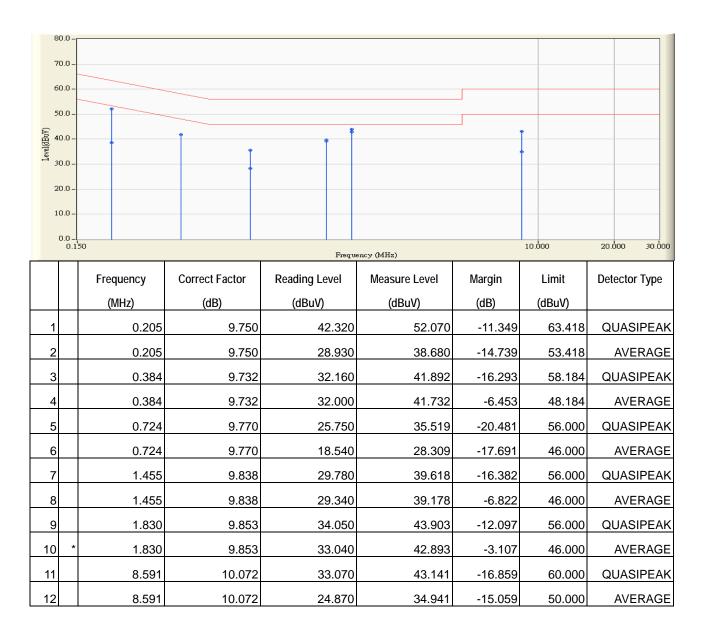
| Site : SR2-H | Time : 2017/04/11 |
|--|--|
| Limit : CISPR_B_00M_QP | Margin : 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line2 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5270MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



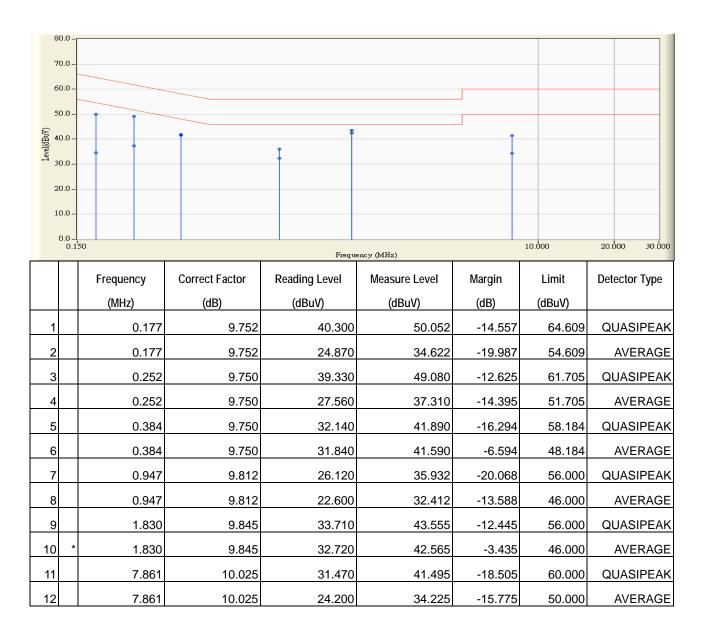
| Site : SR2-H | Time : 2017/04/11 |
|--|--|
| Limit : CISPR_B_00M_QP | Margin: 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line1 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5550MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



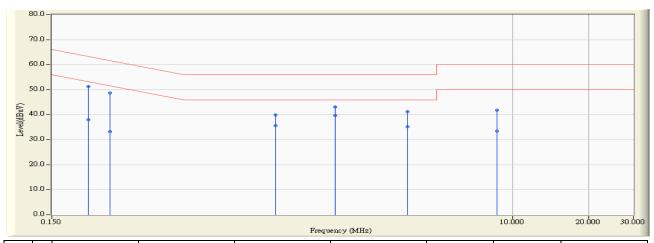
| Site : SR2-H | Time : 2017/04/11 |
|--|--|
| Limit : CISPR_B_00M_QP | Margin : 10 |
| Probe : SR2-H_LISN(16A)-6_0712 - Line2 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5550MHz |



- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



| Site : SR2-H | Time : 2017/04/11 |
|--------------------------------------|----------------------------|
| Limit : CISPR_B_00M_QP | Margin : 10 |
| Probe : SR2_LISN(16A)-6_0712 - Line1 | Power : AC 120V/60Hz |
| EUT: UHD651-L | Note : Mode 5: Normal Link |

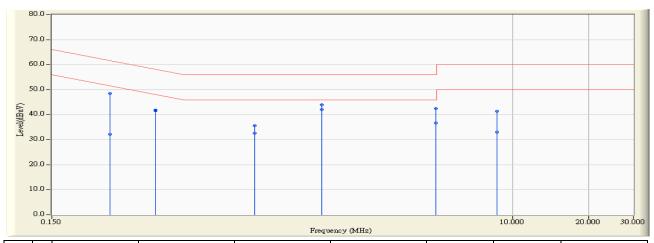


| | Frequency | Correct Factor | Reading Level | Measure Level | Margin | Limit | Detector Type |
|----|-----------|----------------|---------------|---------------|---------|--------|---------------|
| | (MHz) | (dB) | (dBuV) | (dBuV) | (dB) | (dBuV) | |
| 1 | 0.209 | 9.749 | 41.600 | 51.349 | -11.912 | 63.261 | QUASIPEAK |
| 2 | 0.209 | 9.749 | 28.150 | 37.899 | -15.362 | 53.261 | AVERAGE |
| 3 | 0.255 | 9.744 | 39.010 | 48.754 | -12.823 | 61.577 | QUASIPEAK |
| 4 | 0.255 | 9.744 | 23.520 | 33.264 | -18.313 | 51.577 | AVERAGE |
| 5 | 1.154 | 9.826 | 29.980 | 39.806 | -16.194 | 56.000 | QUASIPEAK |
| 6 | 1.154 | 9.826 | 25.760 | 35.586 | -10.414 | 46.000 | AVERAGE |
| 7 | 1.982 | 9.859 | 33.210 | 43.069 | -12.931 | 56.000 | QUASIPEAK |
| 8 | * 1.982 | 9.859 | 29.920 | 39.779 | -6.221 | 46.000 | AVERAGE |
| 9 | 3.830 | 9.915 | 31.320 | 41.235 | -14.765 | 56.000 | QUASIPEAK |
| 10 | 3.830 | 9.915 | 25.350 | 35.265 | -10.735 | 46.000 | AVERAGE |
| 11 | 8.638 | 10.074 | 31.810 | 41.883 | -18.117 | 60.000 | QUASIPEAK |
| 12 | 8.638 | 10.074 | 23.400 | 33.473 | -16.527 | 50.000 | AVERAGE |

- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



| Site : SR2-H | Time : 2017/04/11 |
|--------------------------------------|----------------------------|
| Limit : CISPR_B_00M_QP | Margin : 10 |
| Probe : SR2_LISN(16A)-6_0712 - Line2 | Power : AC 120V/60Hz |
| EUT : UHD651-L | Note : Mode 5: Normal Link |



| | Frequency | Correct Factor | Reading Level | Measure Level | Margin | Limit | Detector Type |
|----|-----------|----------------|---------------|---------------|---------|--------|---------------|
| | (MHz) | (dB) | (dBuV) | (dBuV) | (dB) | (dBuV) | |
| 1 | 0.255 | 9.750 | 38.660 | 48.410 | -13.167 | 61.577 | QUASIPEAK |
| 2 | 0.255 | 9.750 | 22.400 | 32.150 | -19.427 | 51.577 | AVERAGE |
| 3 | 0.384 | 9.750 | 32.160 | 41.910 | -16.274 | 58.184 | QUASIPEAK |
| 4 | 0.384 | 9.750 | 31.770 | 41.520 | -6.664 | 48.184 | AVERAGE |
| 5 | 0.951 | 9.812 | 25.770 | 35.582 | -20.418 | 56.000 | QUASIPEAK |
| 6 | 0.951 | 9.812 | 22.810 | 32.622 | -13.378 | 46.000 | AVERAGE |
| 7 | 1.755 | 9.843 | 34.090 | 43.933 | -12.067 | 56.000 | QUASIPEAK |
| 8 | * 1.755 | 9.843 | 32.280 | 42.123 | -3.877 | 46.000 | AVERAGE |
| 9 | 4.943 | 9.857 | 32.610 | 42.467 | -13.533 | 56.000 | QUASIPEAK |
| 10 | 4.943 | 9.857 | 26.920 | 36.777 | -9.223 | 46.000 | AVERAGE |
| 11 | 8.650 | 10.071 | 31.240 | 41.311 | -18.689 | 60.000 | QUASIPEAK |
| 12 | 8.650 | 10.071 | 23.010 | 33.081 | -16.919 | 50.000 | AVERAGE |

- 1. All Reading Levels are Quasi-Peak and average value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



3. Radiated Emission

3.1. Test Equipment

The following test equipments are used during the test:

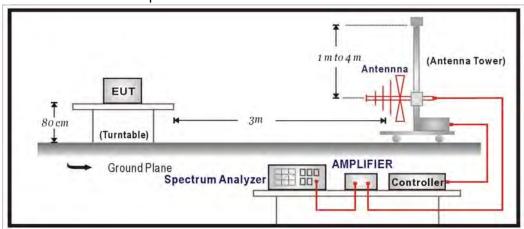
Radiated Emission / CB4-H

| Instrument | Manufacturer | Model No. | Serial No | Next Cal. Date |
|-------------------|--------------|----------------------|-----------|----------------|
| Bilog Antenna | Schaffner | CBL6112B | 2891 | 2017/08/14 |
| Horn Antenna | Schwarzbeck | BBHA 9120 | D312 | 2017/10/25 |
| Pre-Amplifier | EMCI | EMC0031835 | 980233 | 2018/02/02 |
| Pre-Amplifier | Schwarzbeck | DBL-1840N506 | 013 | 2017/09/29 |
| Pre-Amplifier | Miteq | JS41-001040000-58-5P | 1573954 | 2017/10/04 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | 203 | 2017/08/28 |
| Signal & Spectrum | R&S | FSV40 | 101049 | 2018/01/22 |
| Analyzer | | | | |

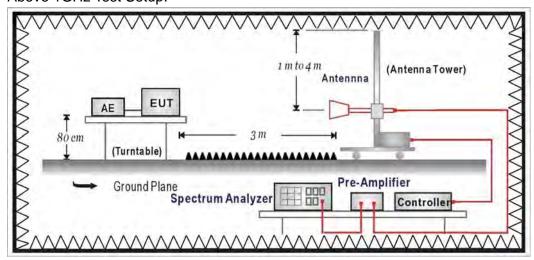
Note: All equipments that need to calibrate are with calibration period of 1 year.

3.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:





3.3. Limits

| CISPR 22 Limits (dBuV/m) | | | | |
|--------------------------|-----------------|--------|-----------------|--------|
| Frequency | Class A | | Class B | |
| MHz | Distance (m) | dBuV/m | Distance (m) | dBuV/m |
| 30 – 230 | 10 | 40 | 10 | 30 |
| 230 – 1000 | 10 | 47 | 10 | 37 |

Remark: 1. The tighter limit shall apply at the edge between two frequency bands.

- 2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- 3. RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

| FCC Part 15 Subpart B Paragraph 15.109 Limits | | | | | |
|---|-----------------|--------|-----------------|--------|--|
| F | Class A | | Class B | | |
| Frequency MHz | Distance (m) | dBuV/m | Distance (m) | dBuV/m | |
| 30-88 | 10 | 39 | 3 | 40 | |
| 88-216 | 10 | 43.5 | 3 | 43.5 | |
| 216-960 | 10 | 46.4 | 3 | 46 | |
| Above 960 | 10 | 49.5 | 3 | 54 | |

Remark:

- 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Carrier current systems used as unintentional radiators or other unintentional radiators that are designed to conduct their radio frequency emissions via connecting wires or cables and that operate in the frequency range of 9 KHz to 30 MHz, including devices that deliver the radio frequency energy to transducers, such as ultrasonic devices not covered under part 18 of this chapter, shall comply with the radiated emission limits for intentional radiators provided in §15.209 for the frequency range of 9 KHz to 30 MHz. As an alternative, carrier current systems used as unintentional radiators and operating in the frequency range of 525 KHz to 1705 KHz may comply with the radiated emission limits provided in §15.221(a).



3.4. Test Procedure

Under 30MHz Test:

The EUT and its simulators are placed on a turn table which is 1.0 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum electric field strength. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna which is 1.0 meter above ground. All X-axis, Y-axis and Z-axis polarization of the antenna are set on measurement.

The bandwidth below 30MHz setting on the field strength meter is 200Hz and above 30MHz is 9 KHz.

The emission limit shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90KHz, 110-490KHz and above 1000MHz. Radiated emission limit in these three bands are based on measurements employing an average detector.

Above 30MHz Test:

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

For class A, the EUT was positioned such that the distance from antenna to the EUT was 10 meters for under 1GHz and above 1GHz.

For class B, the EUT was positioned such that the distance from antenna to the EUT was 3 or 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter is 120 KHz and above 1GHz is 1MHz.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission.



All of the interface cables must be manipulated according to ANSI C63.4: 2014 on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

| Highest frequency generated or used in the device or on which the device operates or tunes (MHz) | Upper frequency of measurement range (MHz) |
|--|--|
| Below 1.705 | 30 |
| 1.705 – 108 | 1000 |
| 108 – 500 | 2000 |
| 500 – 1000 | 5000 |
| Above 1000 | 5 th harmonic of the highest frequency or 40 GHz, whichever is lower |

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a CISPR quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

3.5. Test Specification

According to FCC Part 15 Subpart B: 2015

3.6. Uncertainty

The measurement uncertainty 30MHz~1GHz as ±3.43dB 1GHz~26.5GHz as ±3.65dB



3.7. Test Result

30MHz-1GHz Spurious:

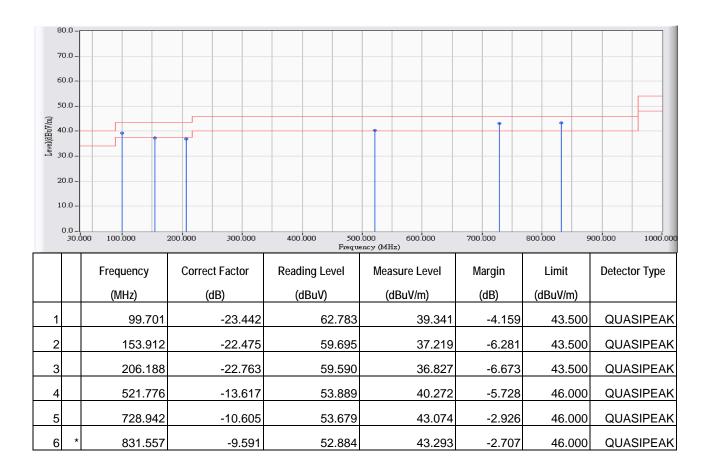
| Site : CB4-H | Time : 2017/03/23 |
|--|---------------------------------|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2441MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



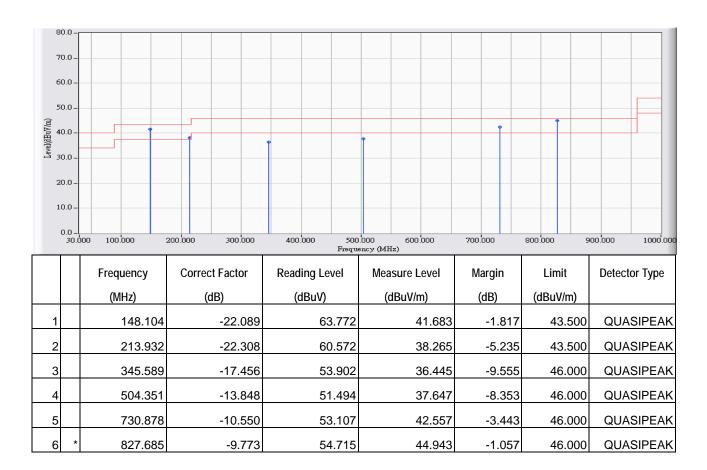
| Site : CB4-H | Time : 2017/03/23 |
|--|---------------------------------|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2441MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



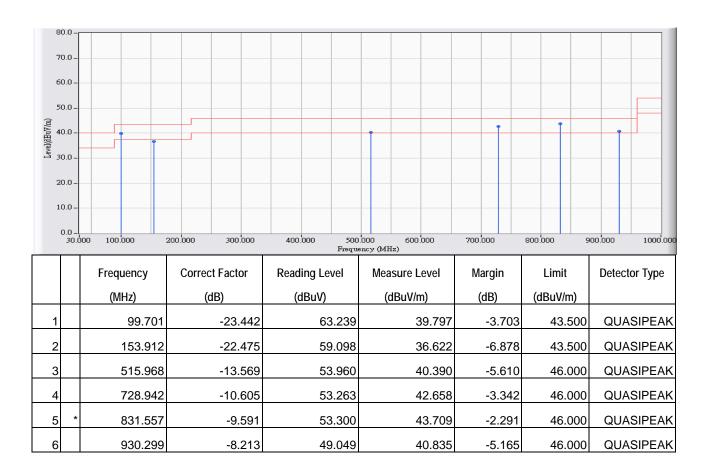
| Site : CB4-H | Time : 2017/03/23 |
|--|---------------------------------|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2441MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



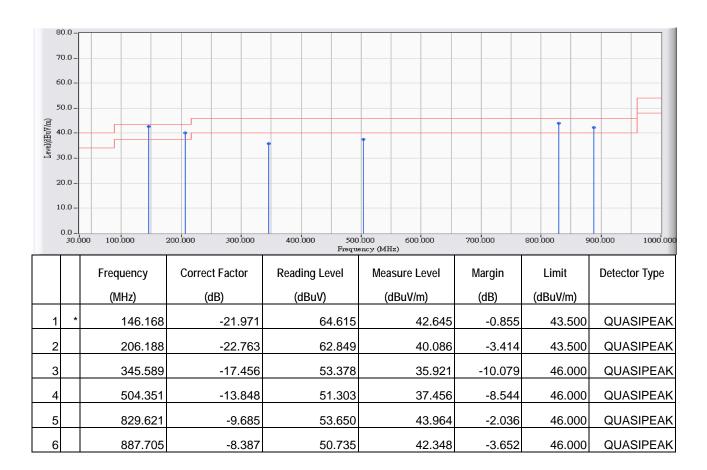
| Site : CB4-H | Time : 2017/03/23 |
|--|---------------------------------|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2441MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



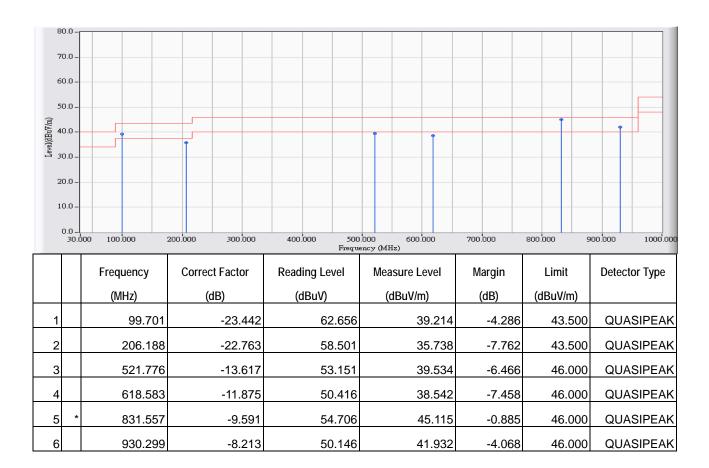
| Site : CB4-H | Time : 2017/03/23 |
|--|---------------------------------|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2441MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



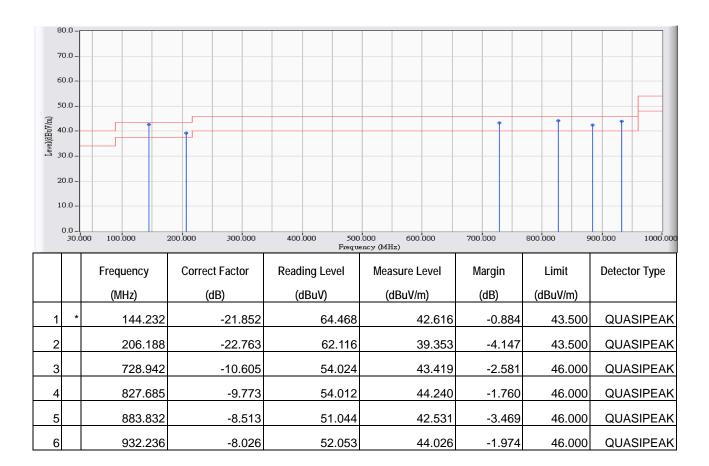
| Site : CB4-H | Time : 2017/03/23 |
|--|---------------------------------|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2441MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



| Site : CB4-H | Time : 2017/03/23 |
|--|---------------------------------|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 2: Rx_BT4.0_2440MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



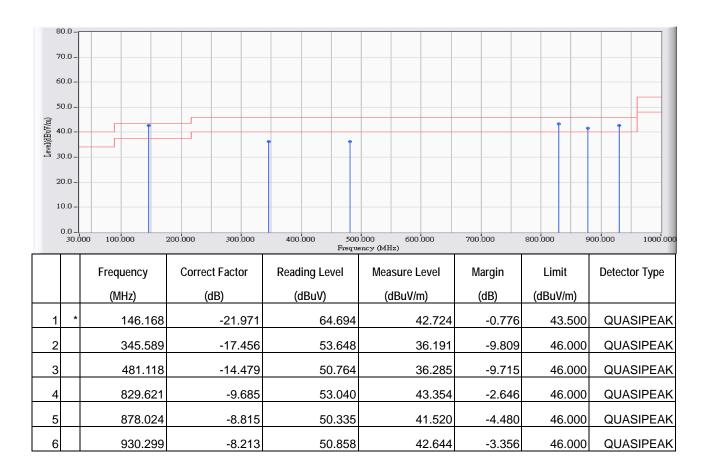
| Site : CB4-H | Time : 2017/03/23 |
|--|---------------------------------|
| Limit : FCC_CLASS_B_03M_QP | Margin: 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 2: Rx_BT4.0_2440MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



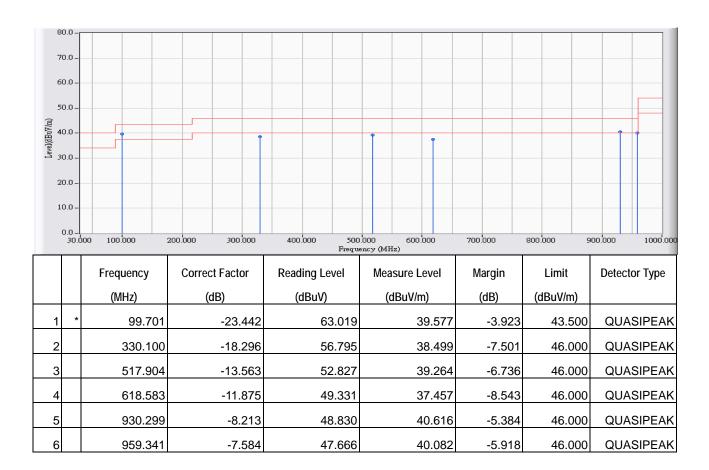
| Site : CB4-H | Time : 2017/03/23 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(20M)_2437MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



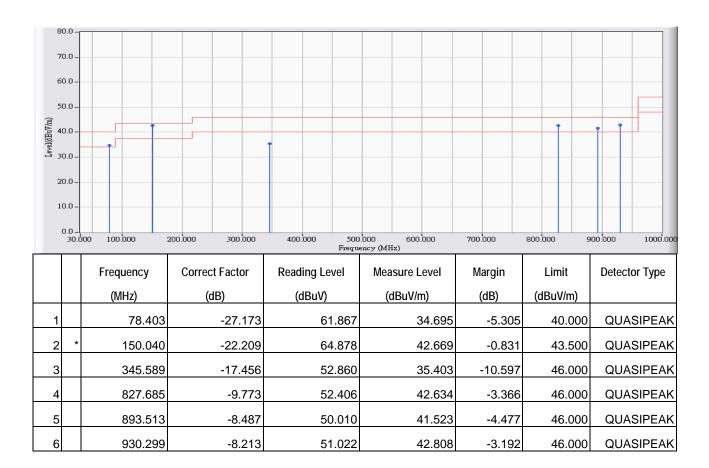
| Site : CB4-H | Time : 2017/03/23 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(20M)_2437MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



| Site : CB4-H | Time : 2017/03/23 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(40M)_2437MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



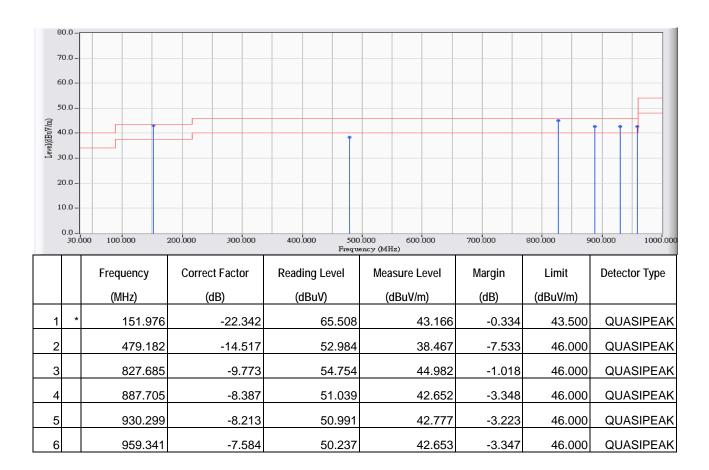
| Site : CB4-H | Time : 2017/03/23 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(40M)_2437MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



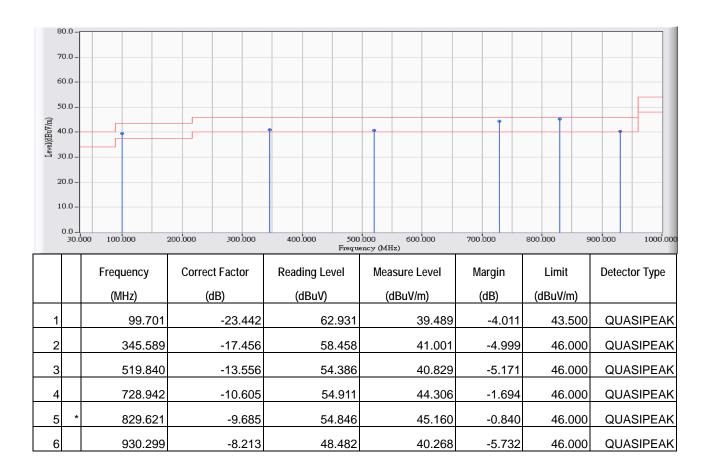
| Site : CB4-H | Time : 2017/03/23 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5220MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



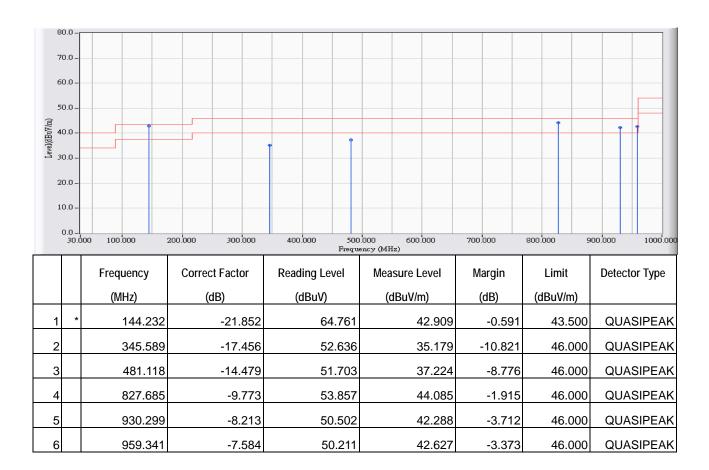
| Site : CB4-H | Time : 2017/03/23 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5220MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



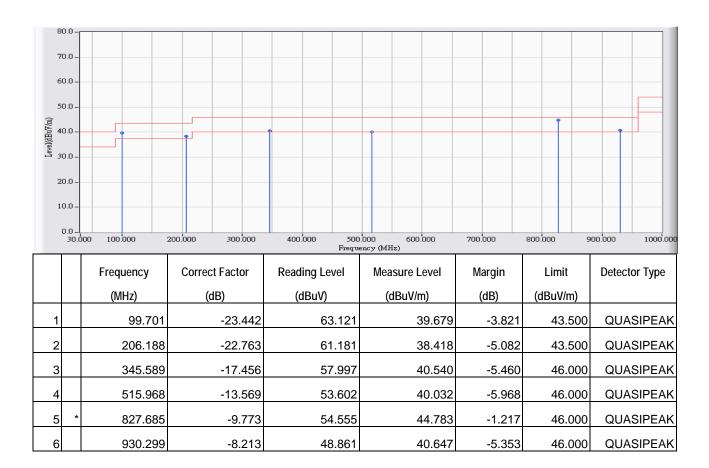
| Site : CB4-H | Time : 2017/03/23 |
|---|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe: CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5190MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



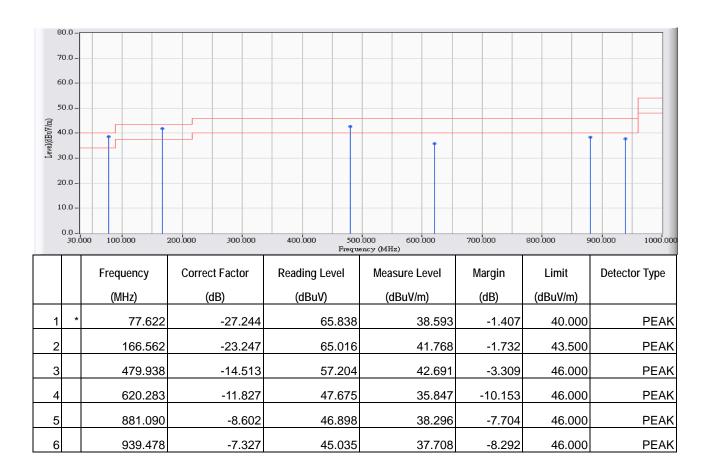
| Site : CB4-H | Time : 2017/03/23 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin: 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5190MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



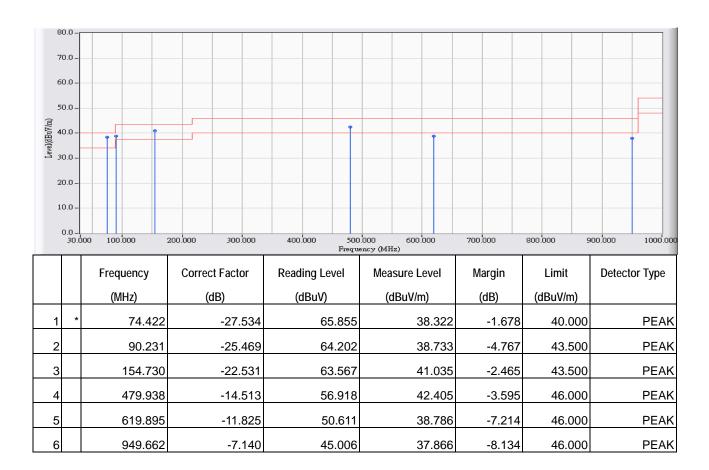
| Site : CB4-H | Time : 2017/04/06 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5300MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



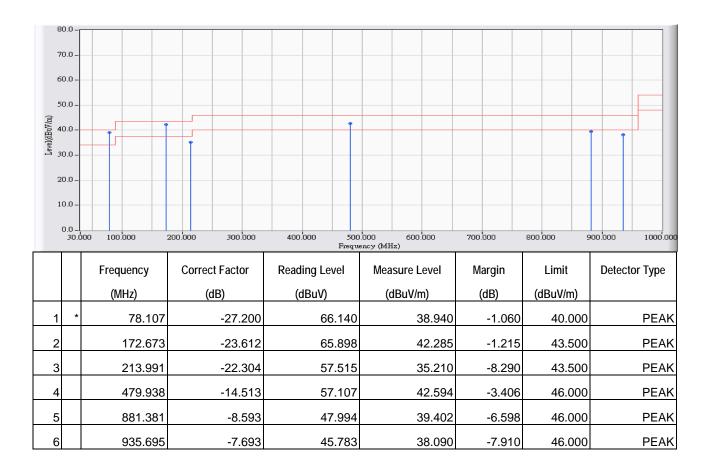
| Site : CB4-H | Time : 2017/04/06 |
|---|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe: CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5300MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



| Site : CB4-H | Time : 2017/04/06 |
|---|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe: CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5270MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



| Site : CB4-H | Time : 2017/04/06 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5270MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



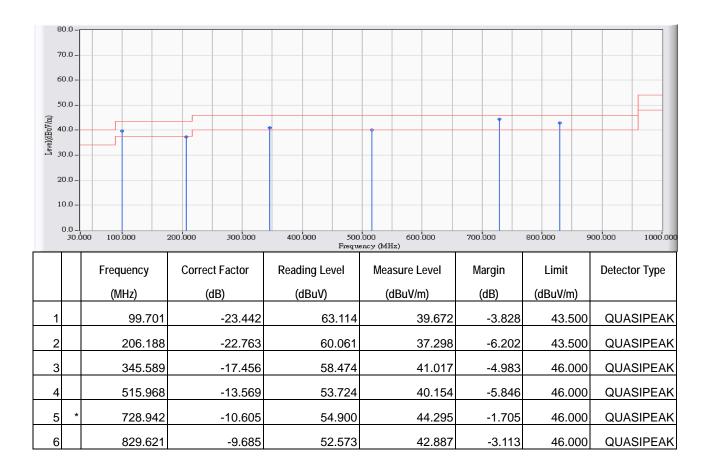
| Site : CB4-H | Time : 2017/03/23 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5580MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



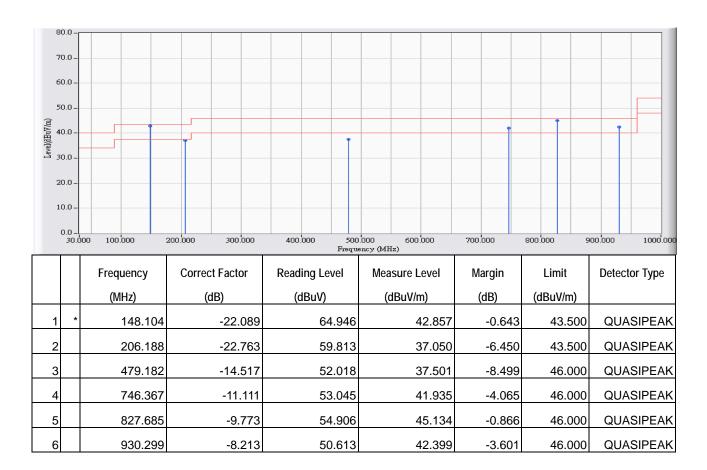
| Site : CB4-H | Time : 2017/03/23 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5580MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



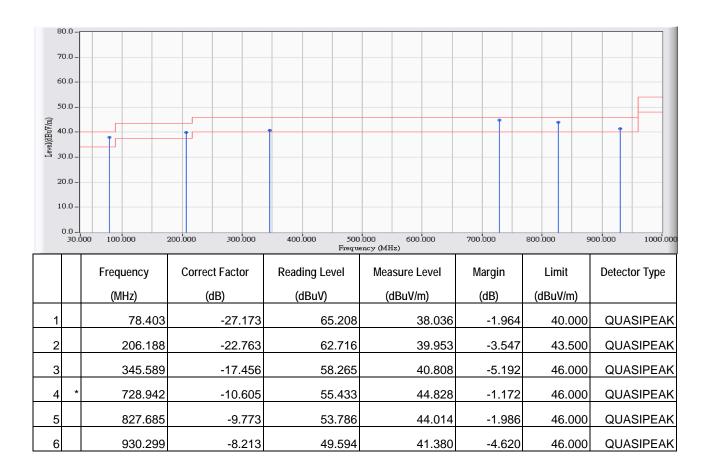
| Site : CB4-H | Time : 2017/03/23 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5550MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



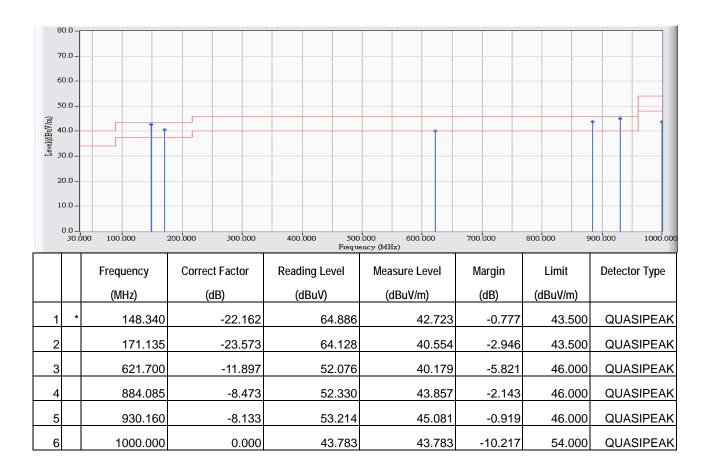
| Site : CB4-H | Time : 2017/03/23 |
|--|--|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5550MHz |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



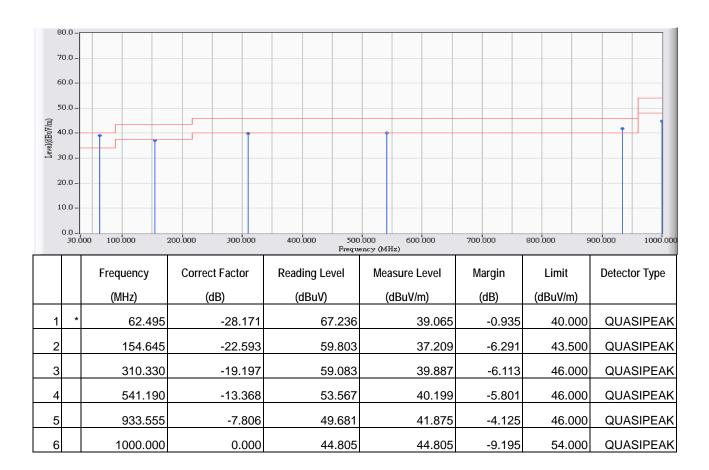
| Site : CB4-H | Time : 2017/03/23 |
|--|----------------------------|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 5: Normal Link |



- 1. All Reading Levels are Quasi-Peak value.
- 2. " * ", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



| Site : CB4-H | Time : 2017/03/23 |
|--|----------------------------|
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 5: Normal Link |

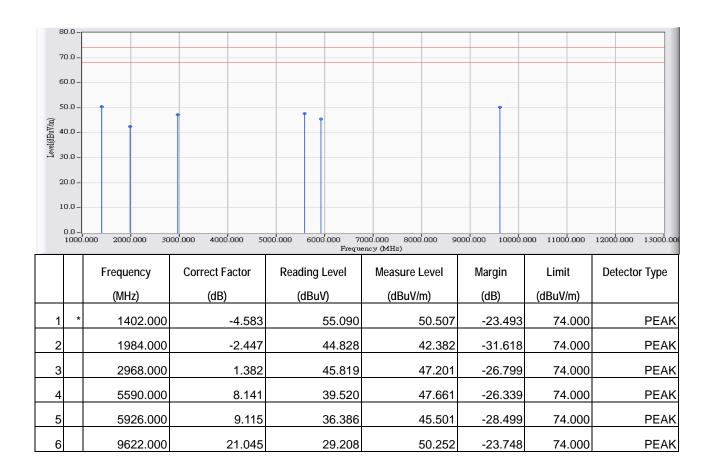


- 1. All Reading Levels are Quasi-Peak value.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.



Above 1GHz Spurious:

| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2402MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- The average measurement was not performed when the peak measured data under the limit of average detection.



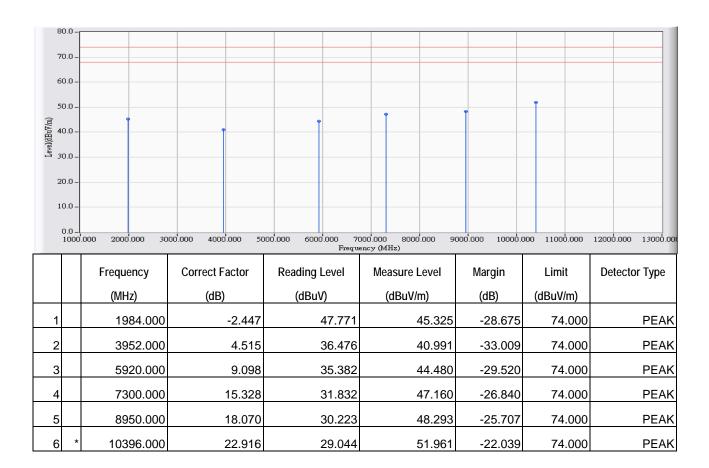
| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2402MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



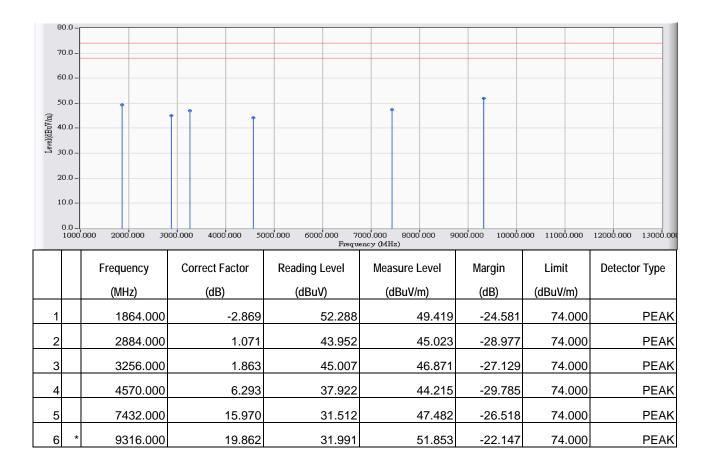
| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2441MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



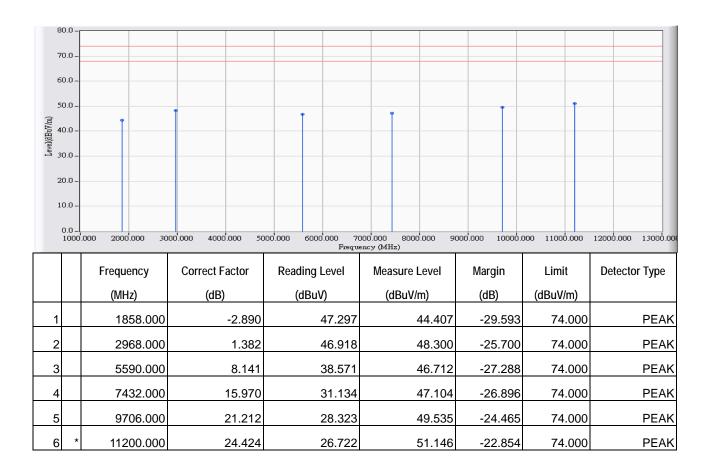
| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2441MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2480MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



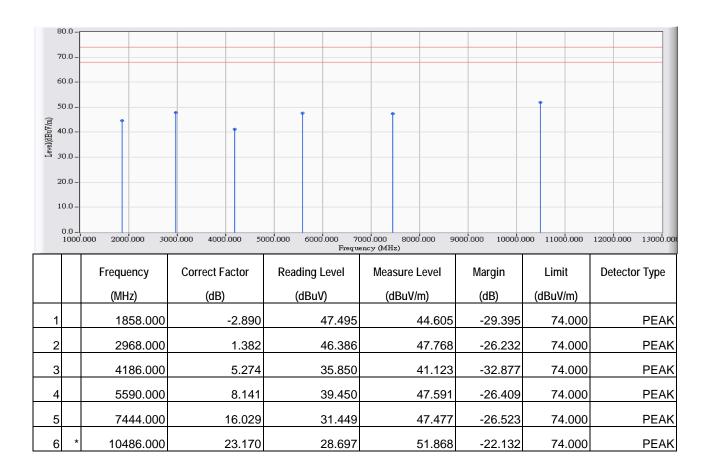
| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 1: Rx_BT2.0_2480MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



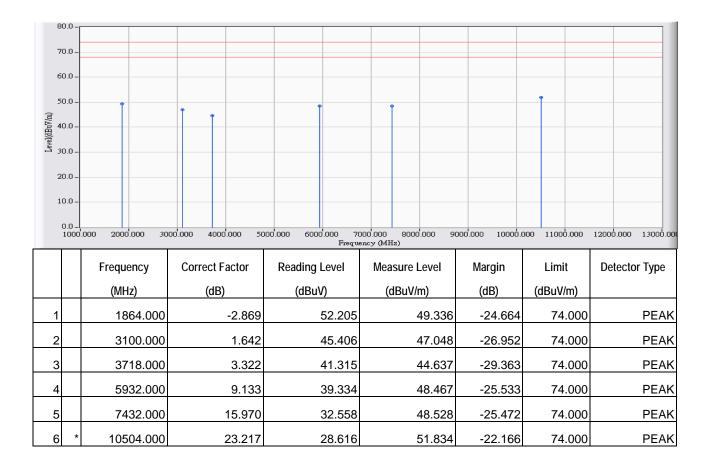
| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 2: Rx_BT4.0_2402MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



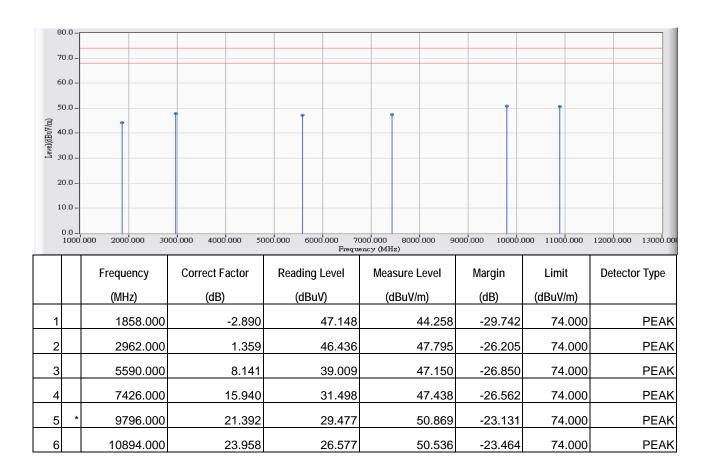
| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 2: Rx_BT4.0_2402MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



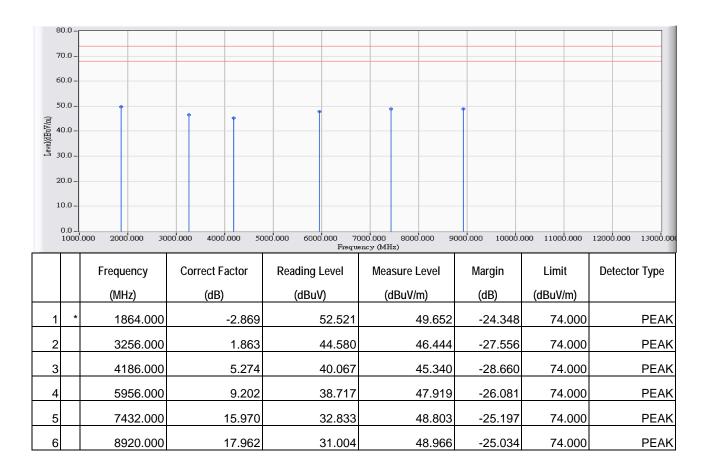
| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 2: Rx_BT4.0_2440MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



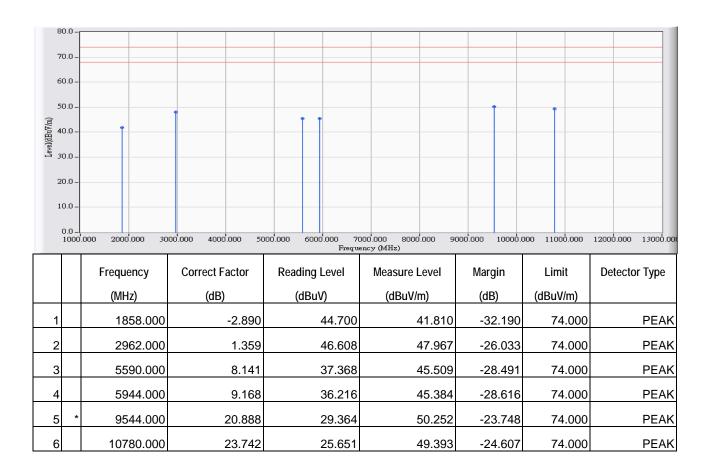
| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 2: Rx_BT4.0_2440MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



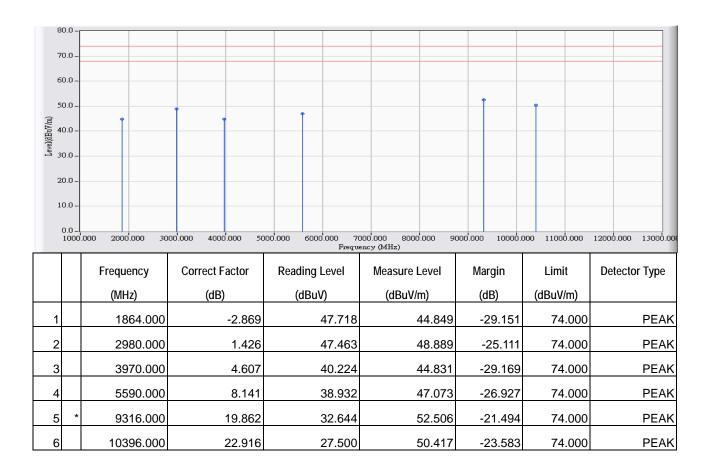
| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 2: Rx_BT4.0_2480MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



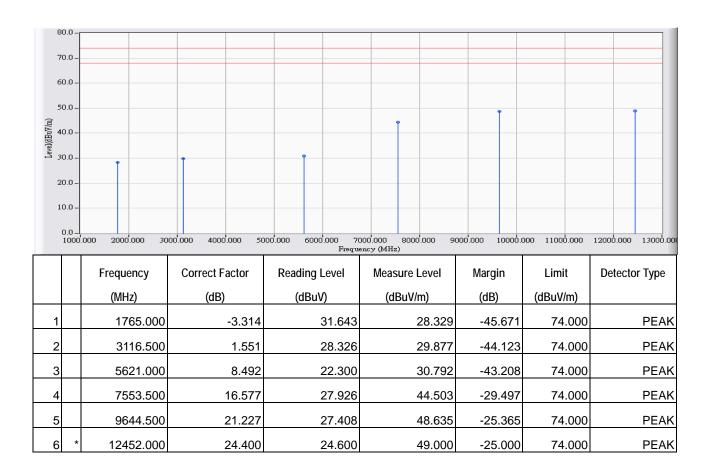
| Site : CB4-H | Time : 2017/03/31 |
|--|---------------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 2: Rx_BT4.0_2480MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



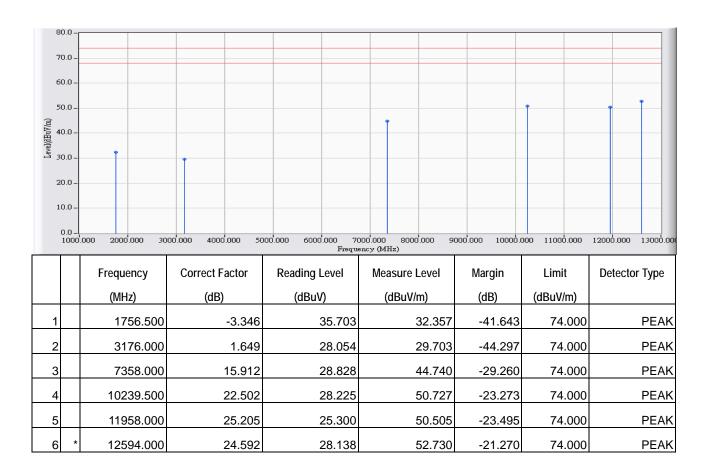
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(20M)_2412MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



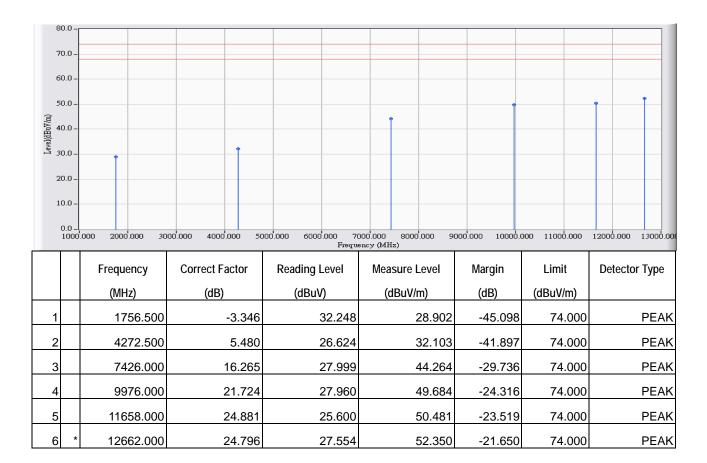
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(20M)_2412MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



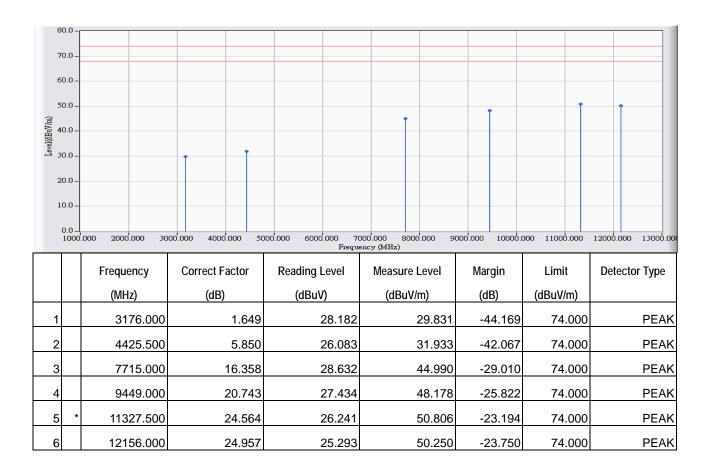
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(20M)_2437MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



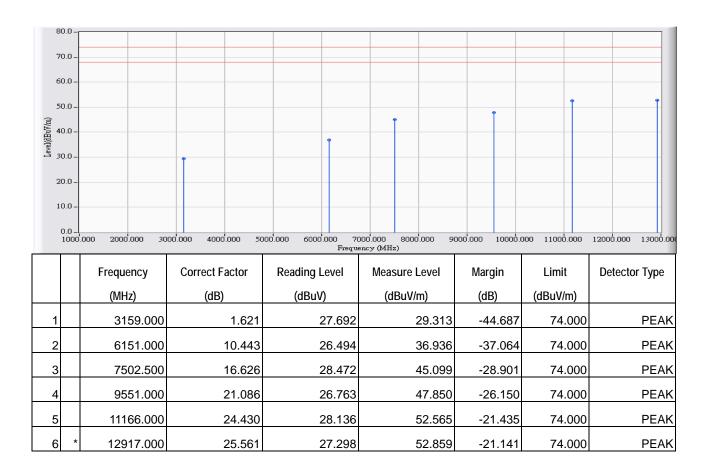
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(20M)_2437MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



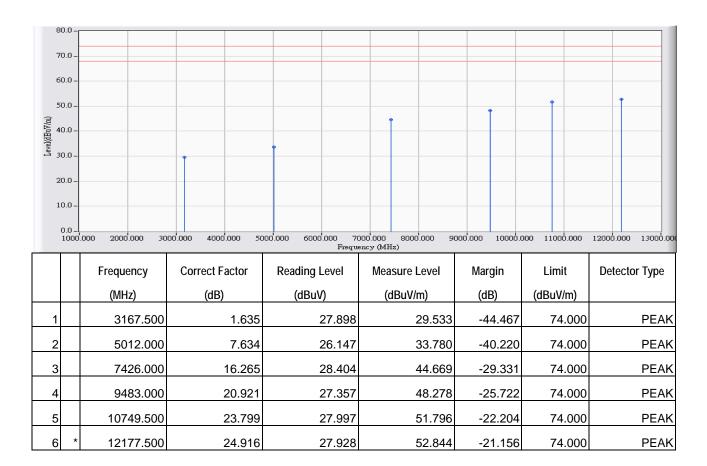
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(20M)_2462MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



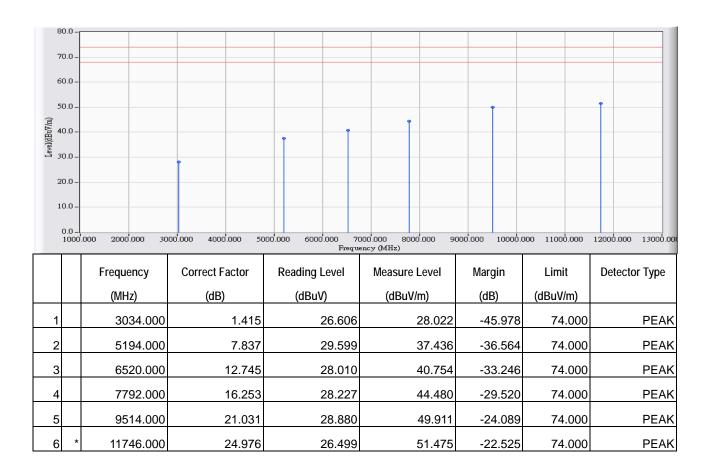
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(20M)_2462MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



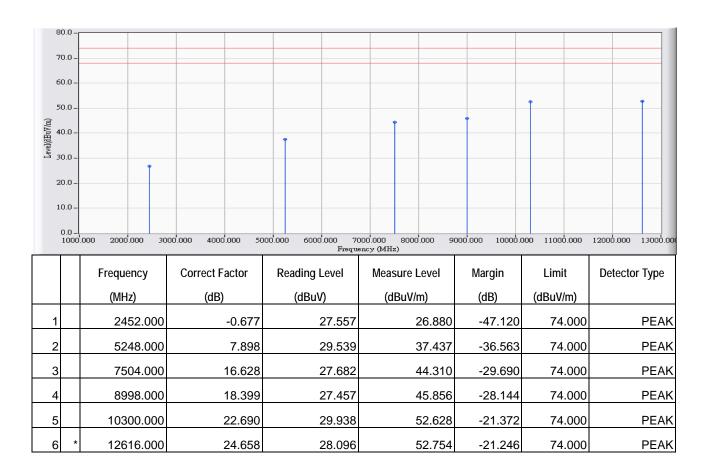
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin: 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(40M)_2422MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



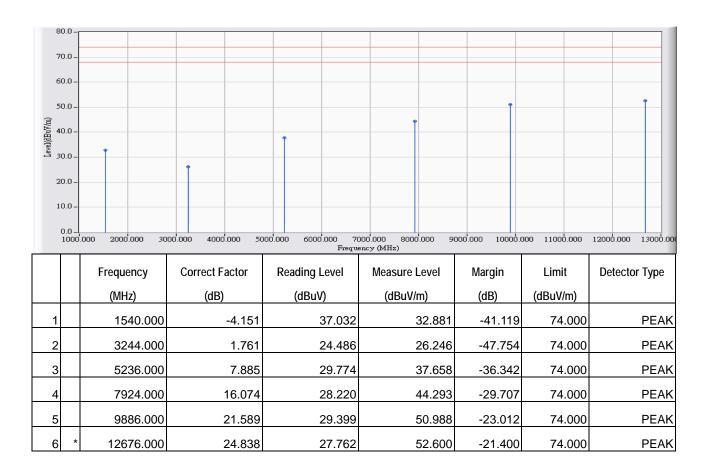
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(40M)_2422MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



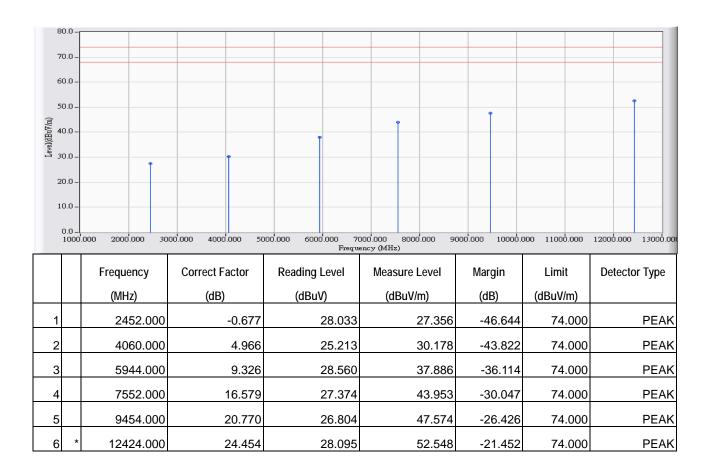
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(40M)_2437MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



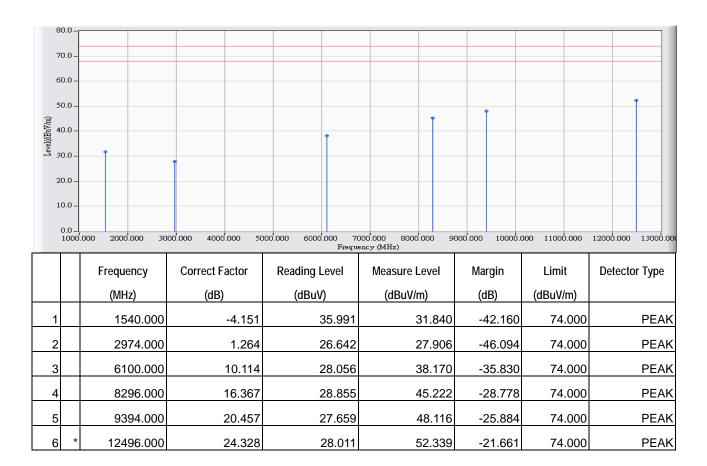
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(40M)_2437MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



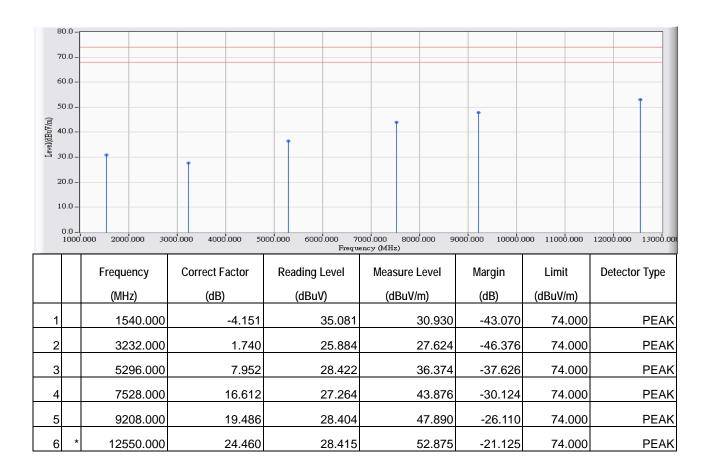
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(40M)_2452MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



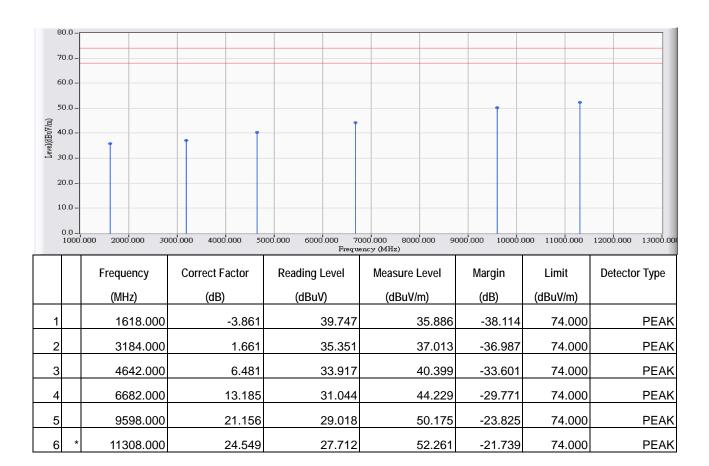
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 3: Rx_WiFi 2.4G_802.11n(40M)_2452MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



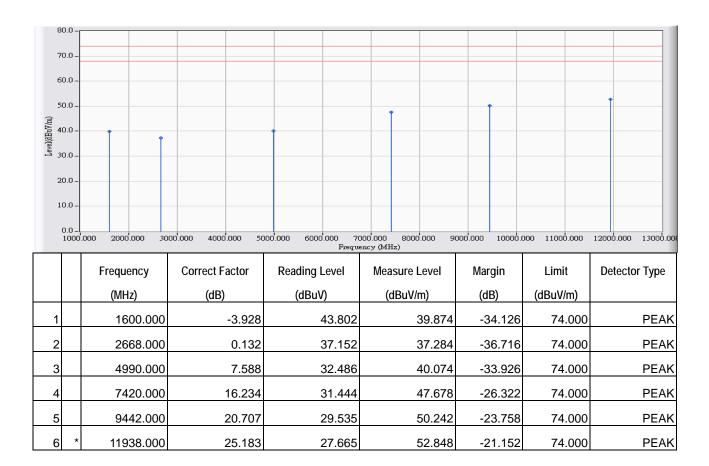
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5180MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



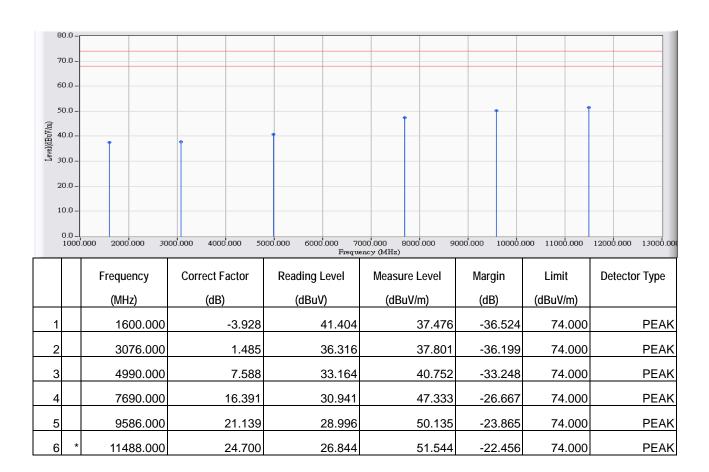
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5180MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



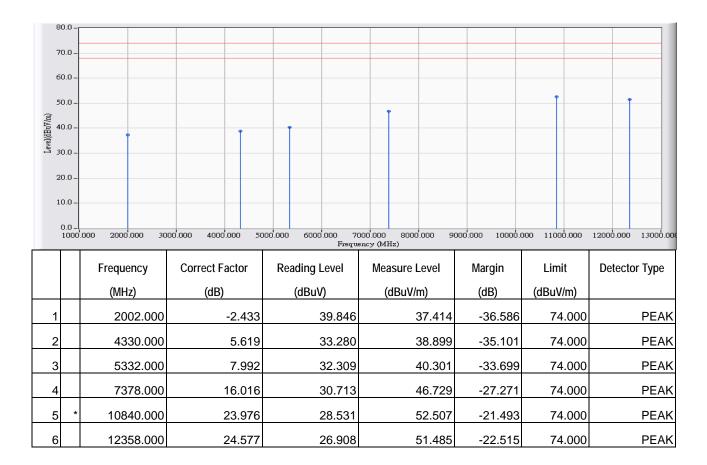
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5220MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



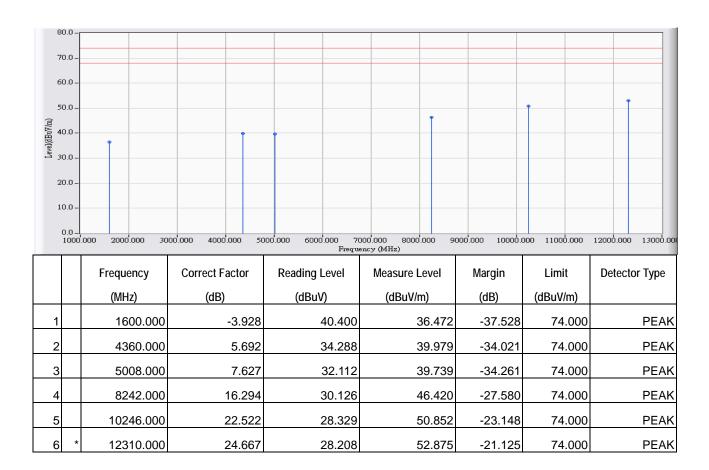
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5220MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



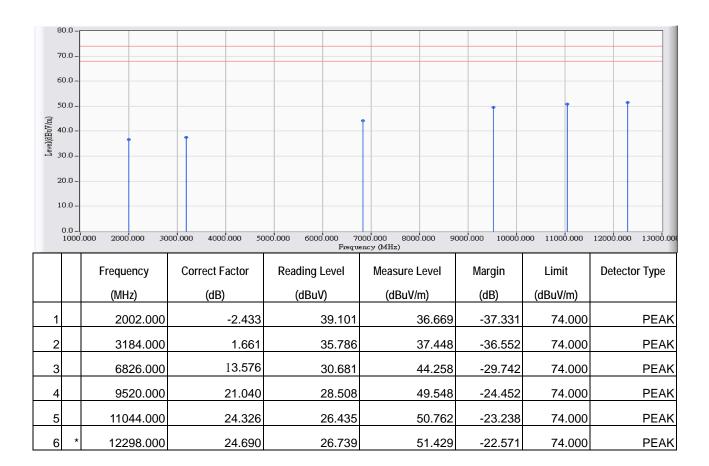
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5240MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



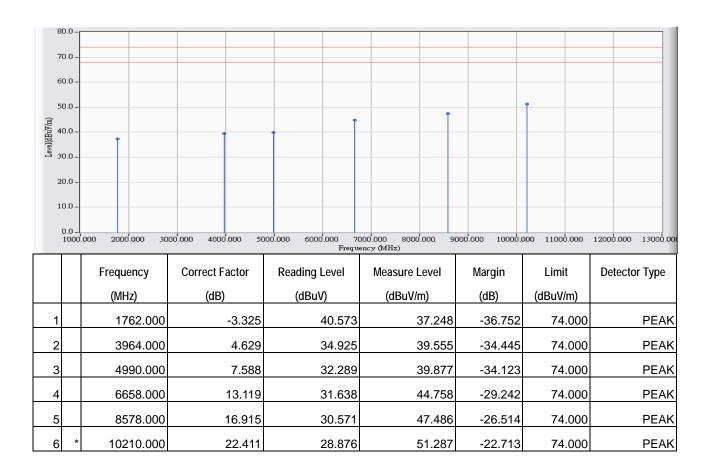
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5240MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



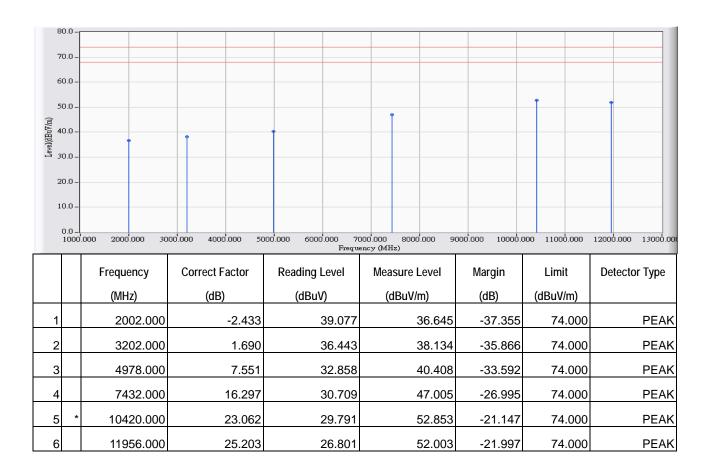
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5190MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



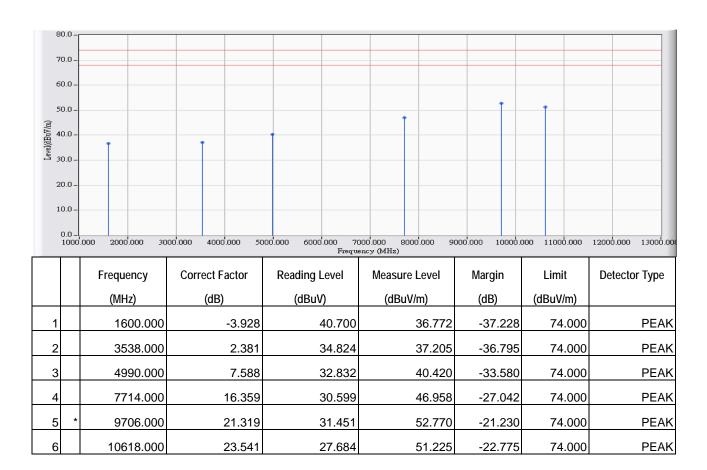
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5190MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



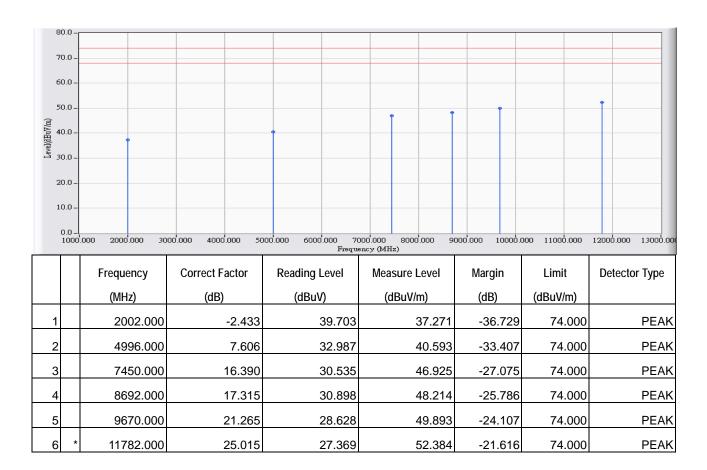
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5230MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



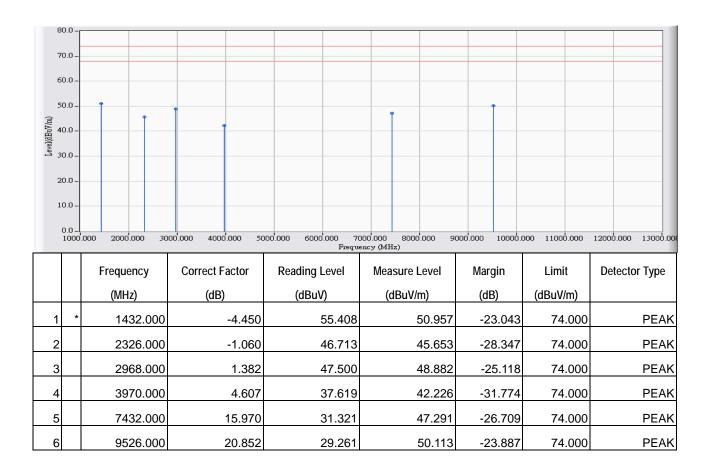
| Site : CB4-H | Time : 2017/03/29 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5230MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



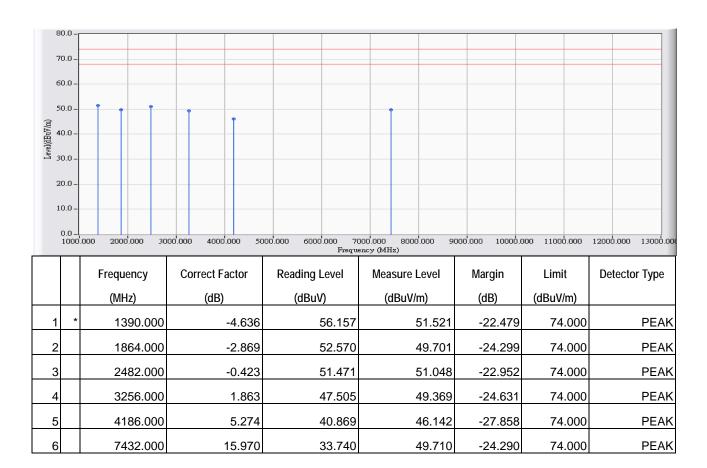
| Site : CB4-H | Time : 2017/04/05 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5260MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



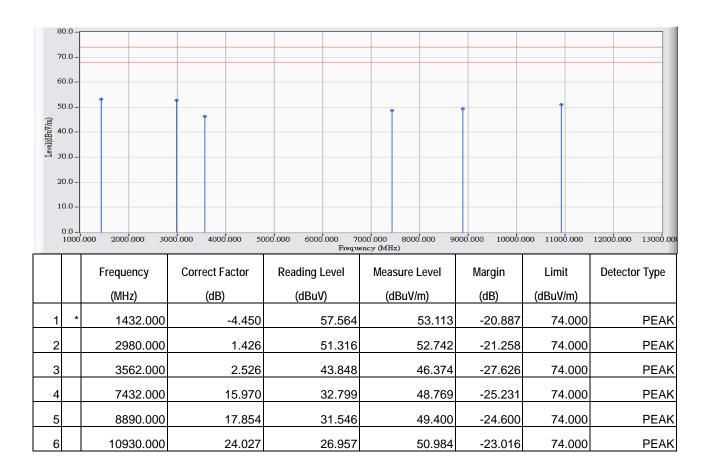
| Site : CB4-H | Time : 2017/04/05 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5260MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



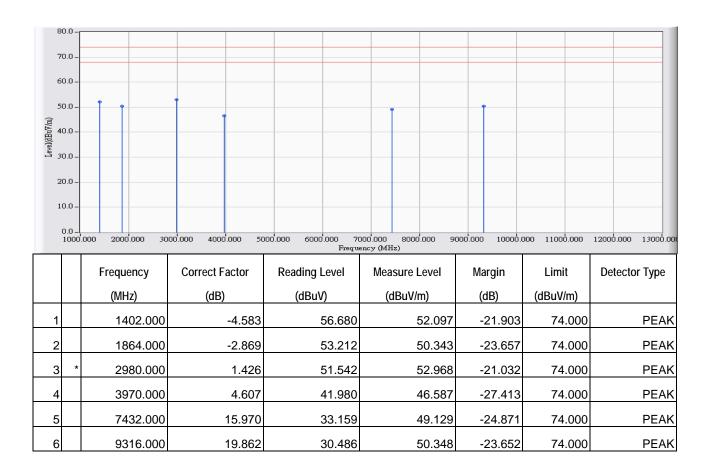
| Site : CB4-H | Time : 2017/04/05 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5300MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



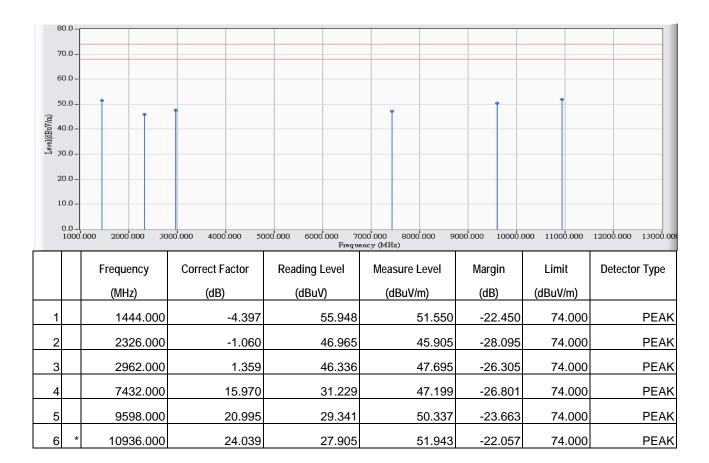
| Site : CB4-H | Time : 2017/04/05 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5300MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



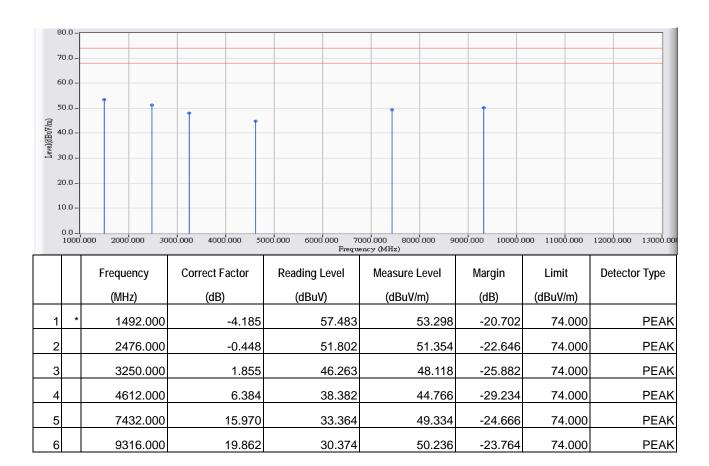
| Site : CB4-H | Time : 2017/04/05 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5320MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



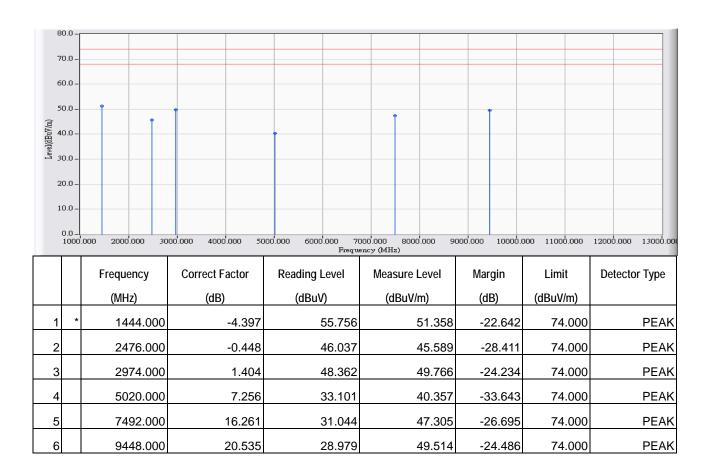
| Site : CB4-H | Time : 2017/04/05 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5320MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



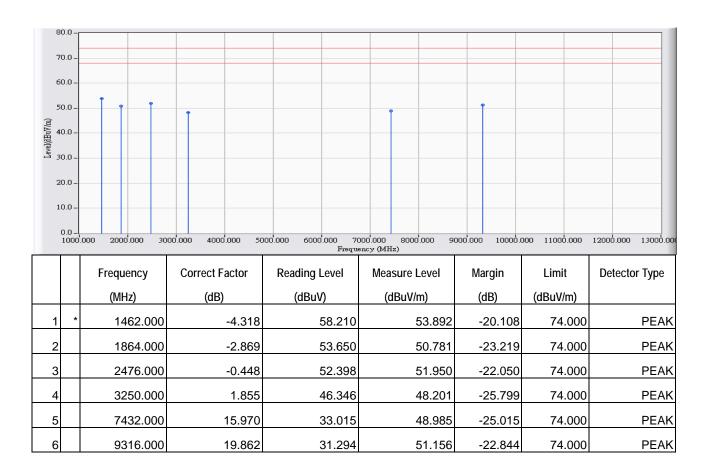
| Site : CB4-H | Time : 2017/04/05 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5270MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



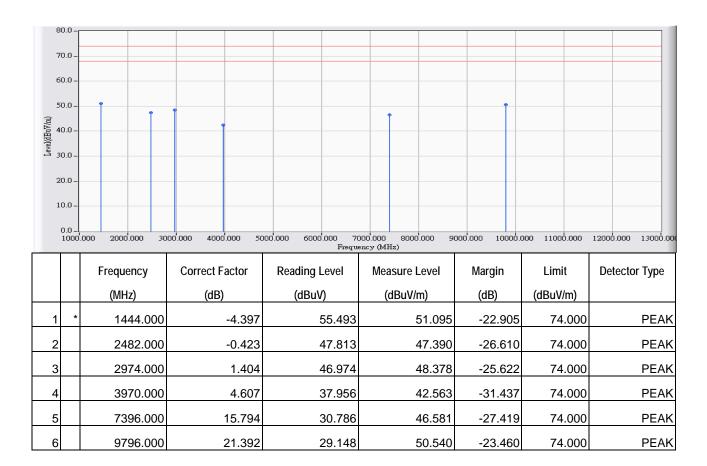
| Site : CB4-H | Time : 2017/04/05 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5270MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



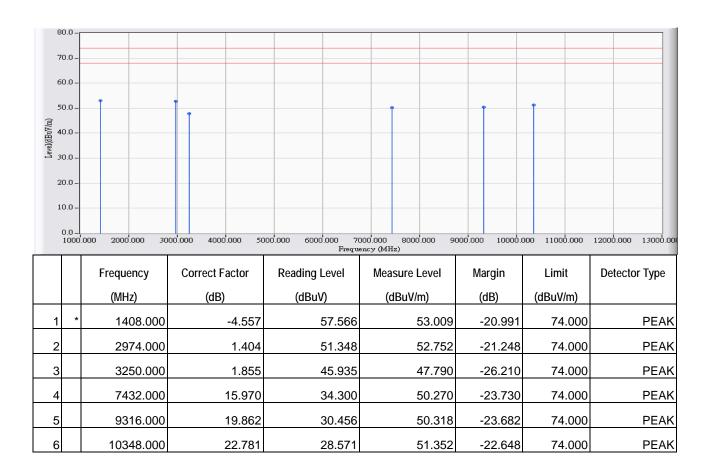
| Site : CB4-H | Time : 2017/04/05 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5310MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



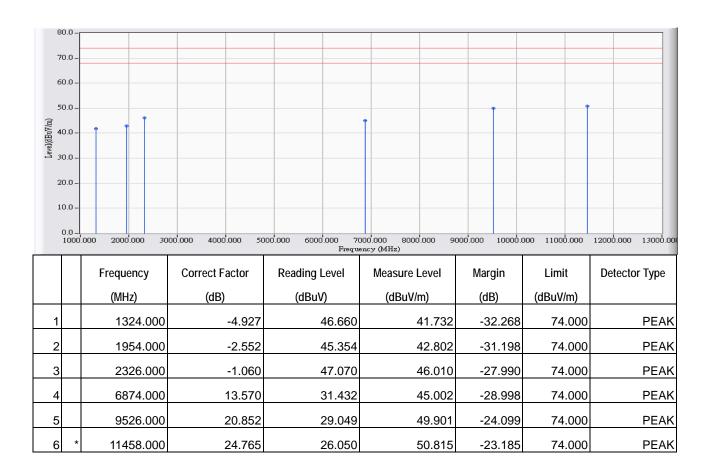
| Site : CB4-H | Time : 2017/04/05 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5310MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



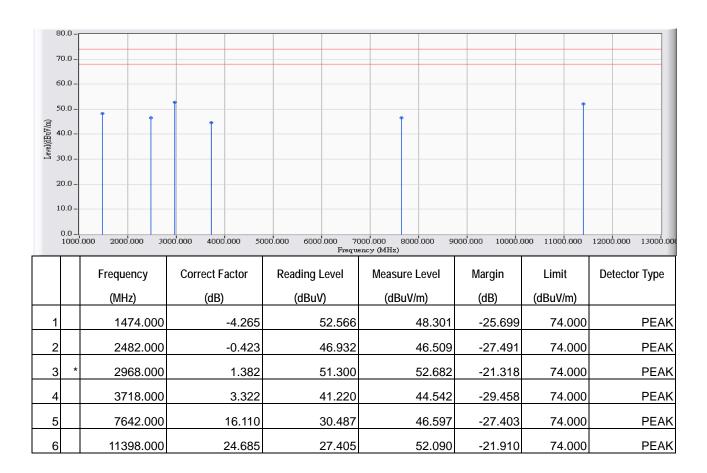
| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5500MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



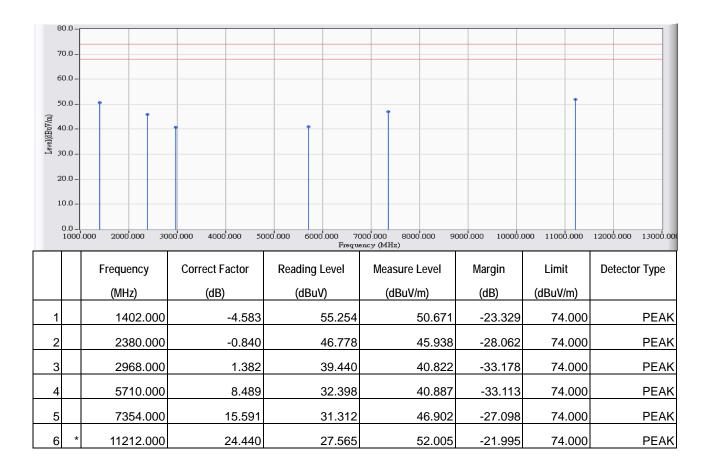
| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5500MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



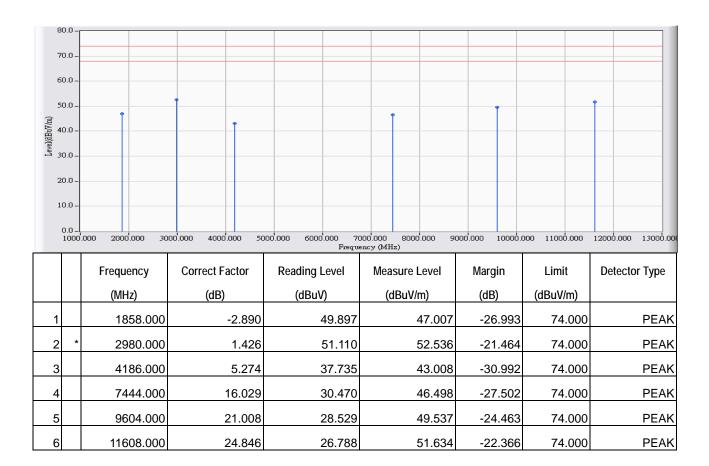
| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5580MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



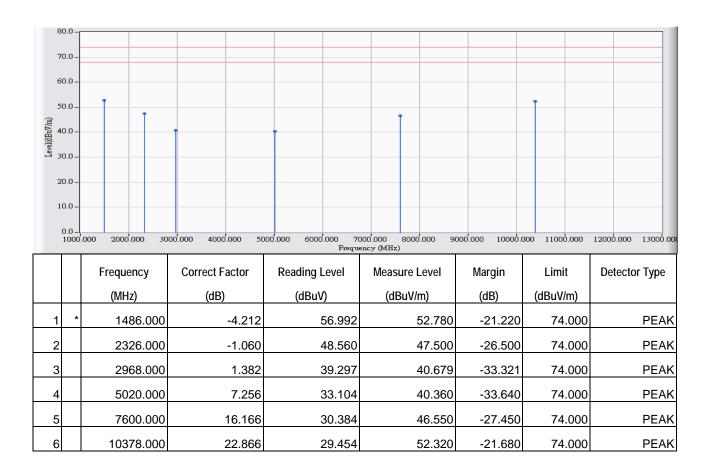
| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5580MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



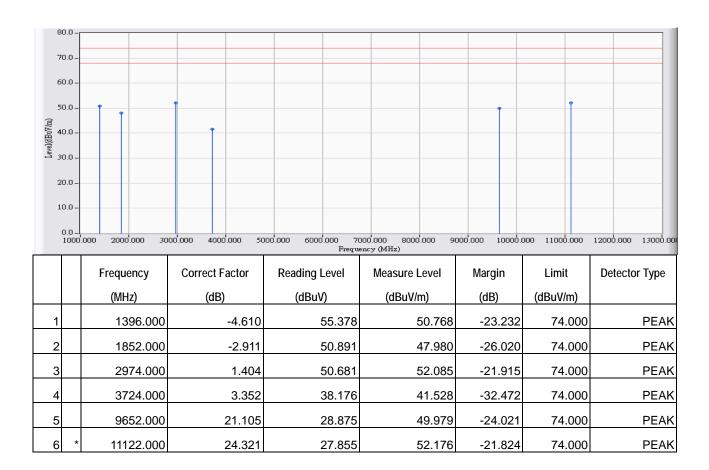
| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5700MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



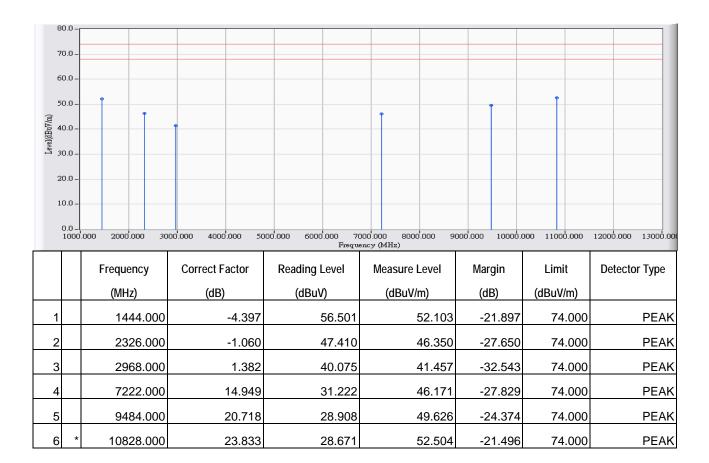
| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(20M)_5700MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



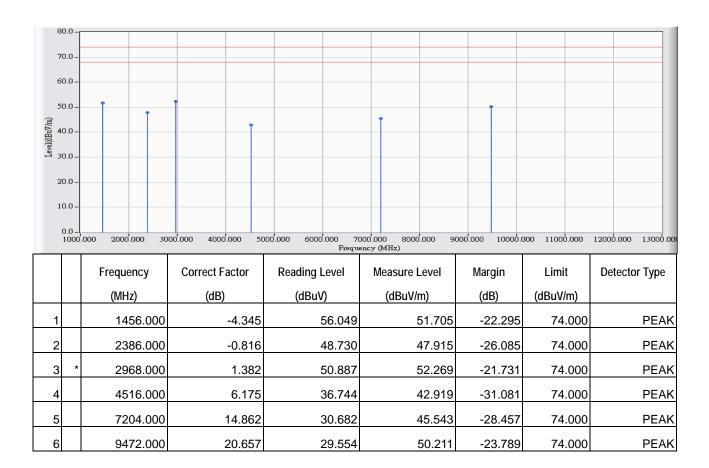
| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5510MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



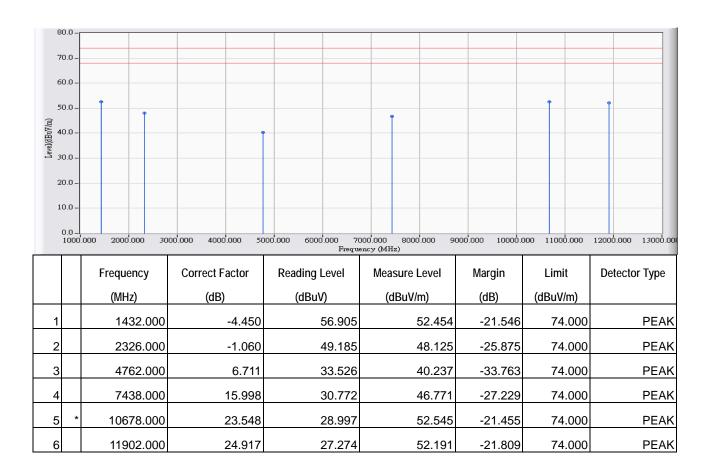
| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5510MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



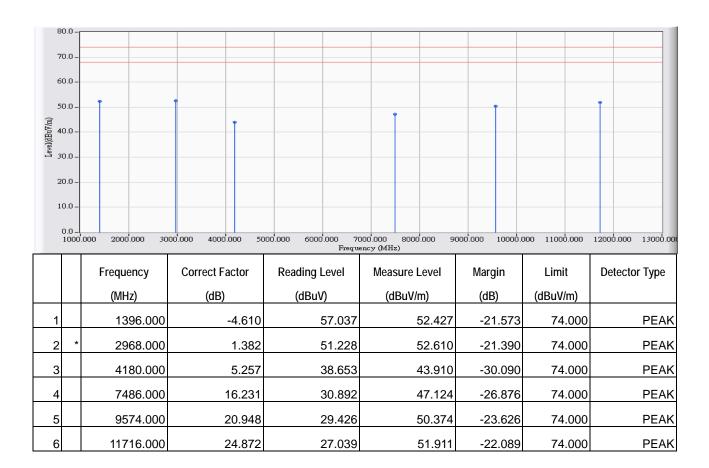
| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5550MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



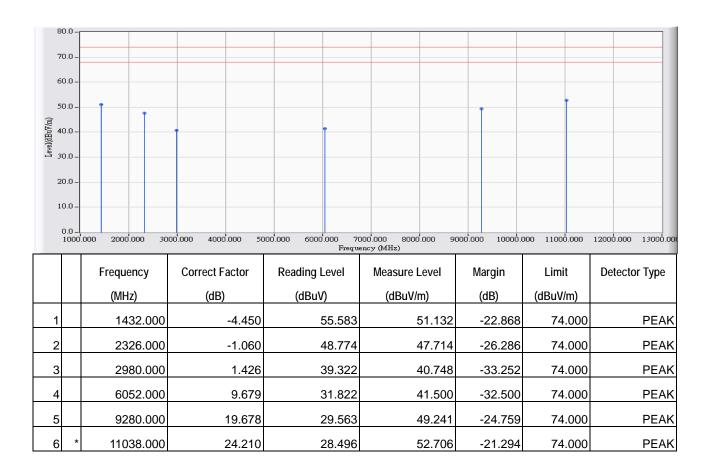
| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5550MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



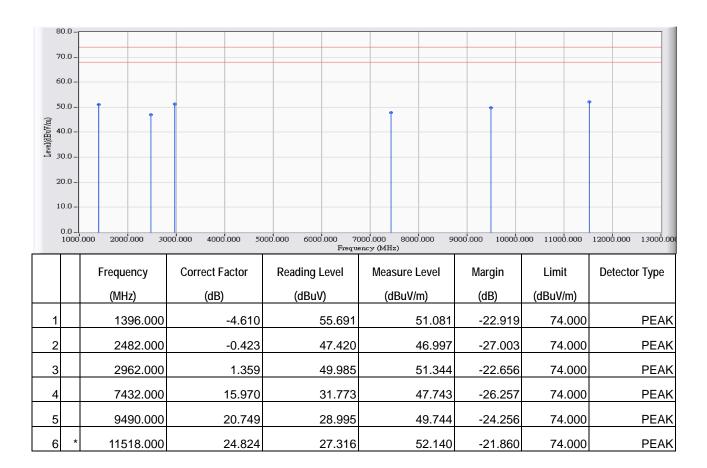
| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5670MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



| Site : CB4-H | Time : 2017/03/31 |
|--|--|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 4: Rx_WiFi 5G_802.11n(40M)_5670MHz |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



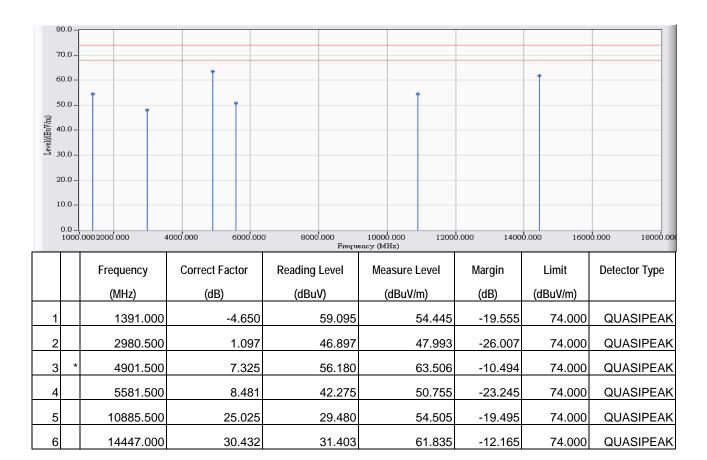
| Site : CB4-H | Time : 2017/03/23 |
|--|----------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| HORIZONTAL | |
| EUT : UHD651-L | Note : Mode 5: Normal Link |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



| Site : CB4-H | Time : 2017/03/23 |
|--|----------------------------|
| Limit : FCC_B_(Above_1G)_3M_PK | Margin : 6 |
| Probe : CB4-H_FCC_EFS_B432_1-18GHz_3M_1116 - | Power : AC 120V/60Hz |
| VERTICAL | |
| EUT : UHD651-L | Note : Mode 5: Normal Link |



- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. " * ", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.



Attachment 1

> Test Setup Photograph

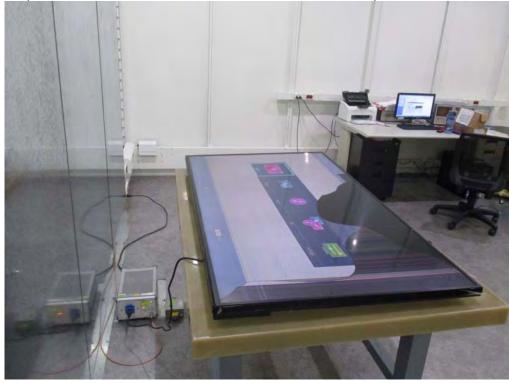
<Conducted Emission>

Test Mode : Mode 1: Rx_BT2.0

Description: Front View of Conducted Emission Test Setup



Test Mode : Mode 1: Rx_BT2.0



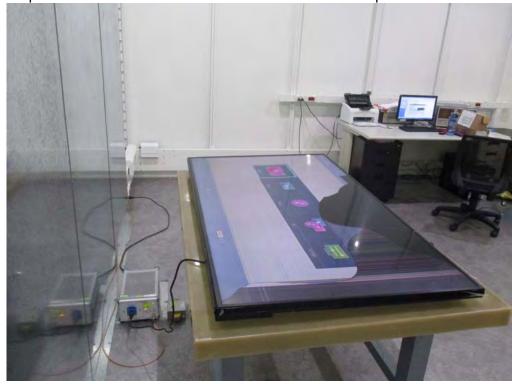


Test Mode : Mode 2: Rx_BT4.0

Description: Front View of Conducted Emission Test Setup



Test Mode : Mode 2: Rx_BT4.0



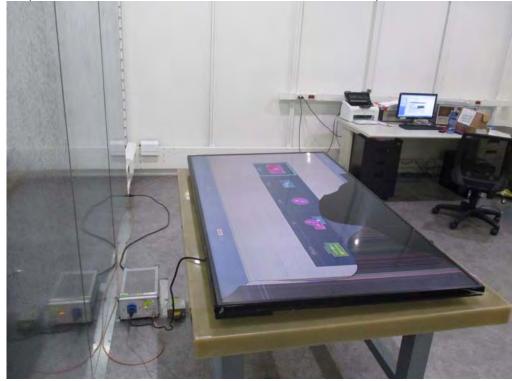


Test Mode : Mode 3: Rx_WiFi 2.4G

Description: Front View of Conducted Emission Test Setup



Test Mode : Mode 3: Rx_WiFi 2.4G



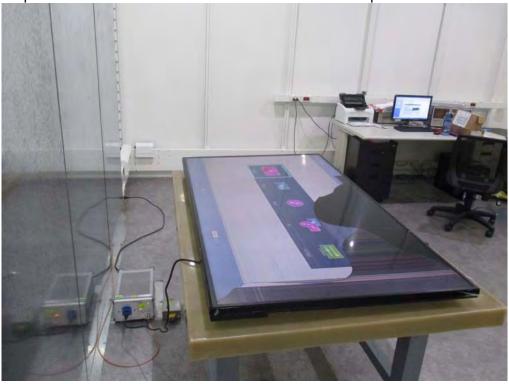


Test Mode : Mode 4: Rx_WiFi 5G

Description: Front View of Conducted Emission Test Setup



Test Mode : Mode 4: Rx_WiFi 5G



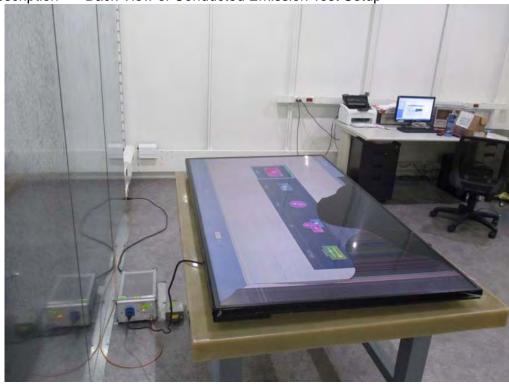


Test Mode : Mode 5: Normal Link

Description: Front View of Conducted Emission Test Setup



Test Mode : Mode 5: Normal Link

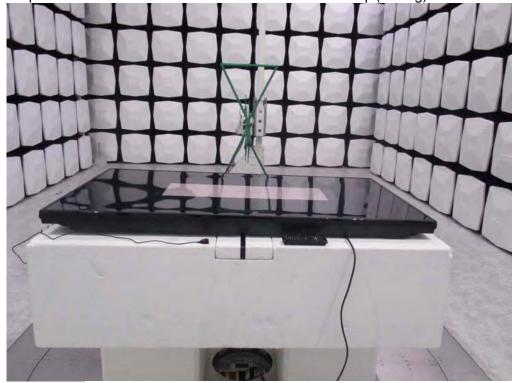




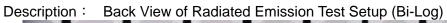
<Radiated Emission>

Test Mode : Mode 1: Rx_BT2.0

Description: Front View of Radiated Emission Test Setup (Bi-Log)



Test Mode : Mode 1: Rx_BT2.0







Test Mode : Mode 2: Rx_BT4.0

Description: Front View of Radiated Emission Test Setup (Bi-Log)



Test Mode : Mode 2: Rx_BT4.0



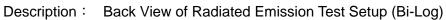


Test Mode : Mode 3: Rx_WiFi 2.4G

Description: Front View of Radiated Emission Test Setup (Bi-Log)



Test Mode : Mode 3: Rx_WiFi 2.4G

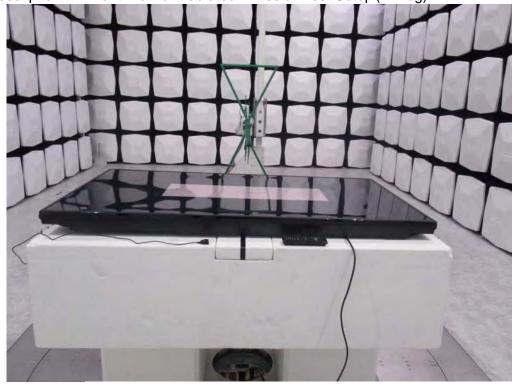




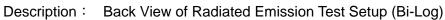


Test Mode : Mode 4: Rx_WiFi 5G

Description: Front View of Radiated Emission Test Setup (Bi-Log)



Test Mode : Mode 4: Rx_WiFi 5G





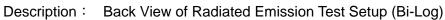


Test Mode : Mode 5: Normal Link

Description: Front View of Radiated Emission Test Setup (Bi-Log)



Test Mode : Mode 5: Normal Link







Test Mode : Mode 1: Rx_BT2.0

Description: Front View of Radiated Emission Test Setup (Horn)



Test Mode : Mode 1: Rx_BT2.0





Test Mode : Mode 2: Rx_BT4.0

Description: Front View of Radiated Emission Test Setup (Horn)



Test Mode : Mode 2: Rx_BT4.0





Test Mode : Mode 3: Rx_WiFi 2.4G

Description: Front View of Radiated Emission Test Setup (Horn)



Test Mode : Mode 3: Rx_WiFi 2.4G





Test Mode : Mode 4: Rx_WiFi 5G

Description: Front View of Radiated Emission Test Setup (Horn)



Test Mode : Mode 4: Rx_WiFi 5G





Test Mode : Mode 5: Normal Link

Description: Front View of Radiated Emission Test Setup (Horn)



Test Mode : Mode 5: Normal Link

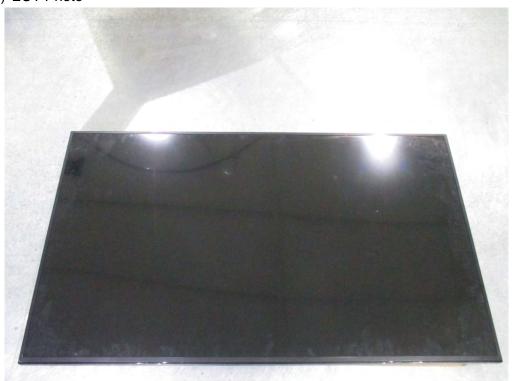




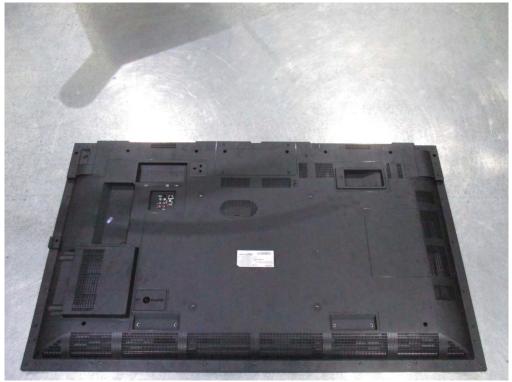
Attachment 2

> EUT External Photograph

(1) EUT Photo



(2) EUT Photo





(3) EUT Photo



(4) EUT Photo

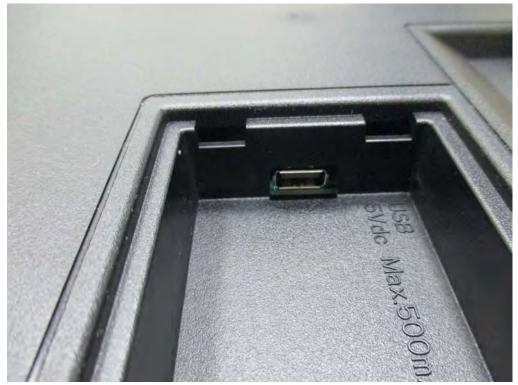




(5) EUT Photo



(6) EUT Photo





(7) EUT Photo

