



Test report No:  
21B0716R-RF-US-P06V01

## FCC & ISED C2PC TEST REPORT

Product Name	Touch All One Computer
Trademark	Elo
Model and /or type reference	ESY1514-C
FCC ID	RBWESY14
IC	10757B-ESY14
Applicant's name / address	Elo Touch Solutions, Inc 670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart C Section 15.247 ANSI C63.10: 2013 KD558074 D01 15.247 Meas Guidance v05r02 RSS-Gen Issue 5 /RSS-247 Issue 2
Verdict Summary	IN COMPLIANCE
Tested by (name / position & signature)	Adma Lu/Project Engineer  
Approved by (name / position & signature)	Jack Zhang/ Supervisor  
Date of issue	2021-12-27
Report Version	V1.1
Report template No	Template_FCC 15.247-RF-V1.0

## INDEX

	page
General conditions .....	4
Environmental conditions .....	4
Possible test case verdicts .....	5
Abbreviations.....	5
Document History.....	6
Remarks and Comments .....	6
Used Equipment.....	7
Uncertainty .....	8
1 General Information .....	9
1.1 General Description of the Item(s).....	9
1.2 Antenna Information .....	10
1.3 Channel List.....	11
2 Description of Test Setup.....	12
2.1 Operating mode(s) used for tests .....	12
2.2 Auxiliary equipment / Test software for the EUT .....	12
2.3 Test Configuration / Block diagram used for tests.....	13
2.4 Testing process .....	14
3 Verdict summary section.....	15
3.1 Standards .....	15
3.2 Deviation(s) from the Standard(s) / Test Specification(s).....	15
3.3 Overview of results .....	16
3.4 Test Facility.....	18
4 Test Results .....	19
4.1 Conducted Emission.....	19
4.1.1 Limit .....	19
4.1.2 Test Setup .....	19
4.1.3 Test Procedure .....	19
4.1.4 Test Data .....	20
4.2 Emissions in restricted frequency bands .....	22
4.2.1 Limit .....	22
4.2.2 Test Setup .....	24
4.2.3 Test Procedure .....	25
4.2.4 Test Data .....	26
4.3 Peak Output Power.....	48

---

4.3.1	Limit .....	48
4.3.2	Test Setup .....	48
4.3.3	Test Procedure .....	49
4.3.4	Test Data .....	50
5	Test setup photo and EUT Photo .....	51

## COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

**IMPORTANT:** No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

## GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Nov. 19, 2021
Date (start test)	Nov. 20, 2021
Date (finish test)	Dec. 10, 2021

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

## ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

## POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

## ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
$U_N$	: Nominal voltage
$T_x$	: Transmitter
$R_x$	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

## DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
21B0716R-RF-US-P06V01	V1.0	Initial issue of report.	2021-12-27

## REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247, RSS-Gen Issue 5, RSS-247 Issue 2.
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
  - Chapter 1.1 General Description of the Item(s);
  - Chapter 1.2 Antenna Information;
  - Chapter 1.3Channel List.

## USED EQUIPMENT

### AC Power Line Conducted Emission / TR1

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100906	2021.04.28	2022.04.27
Two-Line V-Network	R&S	ENV216	101044	2021.03.20	2022.03.19
50ohm Termination	SHX	TF2	7081402	2021.09.04	2022.09.03
50ohm Termination	SHX	TF2	7081403	2021.09.04	2022.09.03
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	TR1-TH	2021.07.09	2022.07.08
Dekra test software	Dekra	-	-	-	-

### Emissions in non-restricted frequency bands/ Occupied Bandwidth/ Fundamental emission output power/ Power Spectral Density/Band Edge/ TR8

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2021.07.11	2022.07.10
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2021.03.20	2022.03.19
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2021.07.11	2022.07.10
4TX MIMO Power Sensor	Keysight	X8750A	MY59400102	2021.02.11	2022.02.10
Coaxial Cable	Woken	SFL402	F02-150410-044	2021.01.01	2021.12.31
Temperature/Humidity Meter	RTS	RTS-8S	RF08	2021.07.09	2022.07.08

### Radiated Emission(30MHz-1GHz) / AC3

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100176	2021.08.15	2022.08.14
Loop Antenna	R&S	HFH2-Z2	833799/003	2021.03.04	2022.03.03
Bilog Antenna	Teseq GmbH	CBL6112D	27613	2021.08.23	2022.08.22
Coaxial Cable	Huber+Suhner	RG 214	AC3-C	2021.03.31	2022.03.30
Temperature/Humidity Meter	RTS	RTS-8S	AC3-TH	2021.08.12	2022.08.11
Dekra test software	Dekra	-	-	-	-

## UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%. The Uncertainties is comply with standard required as below.

Test item	Uncertainty
Conducted Emission	$\pm 2.02$ dB
Emissions in restricted frequency bands	above 1G : $\pm 3.9$ dB below 1G is : $\pm 3.8$ dB
20dB Bandwidth	$\pm 1$ kHz
Carrier Frequency Separation	$\pm 1$ kHz
Number of Hopping Frequencies	$\pm 1$ kHz
Time of Occupancy (Dwell Time)	$\pm 0.1$ us
Peak Output Power	$\pm 1.0$ dB
Emissions in non-restricted frequency bands	$\pm 1.0$ dB
Radiated Emission Band Edge	above 1G : $\pm 3.9$ dB below 1G : $\pm 3.8$ dB



# 1 GENERAL INFORMATION

## 1.1 General Description of the Item(s)

Product Name .....	Touch All One Computer
Model No. ....	ESY1514-C
Hardware Version. ....	R04
Software Version. ....	Android10
Firmware Version. ....	9.87.51.11.45
FCC ID .....	RBWESY14
IC .....	10757B-ESY14
Manufacturer .....	Elo Touch Solutions, Inc
Manufacturer Address.....	670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.
Test Sample SN .....	ESY1514: I215A50046

Wireless specification.....	Bluetooth					
Bluetooth Specification.....	V3.0					
Operating frequency range(s) .....	2400~2483.5MHz					
Type of Modulation.....	GFSK					
PHYS .....	<input checked="" type="checkbox"/>	GFSK	<input checked="" type="checkbox"/>	Pi/4 DQPSK	<input checked="" type="checkbox"/>	8DPSK
Data Rate .....	<input checked="" type="checkbox"/>	1Mbit/s	<input checked="" type="checkbox"/>	2Mbit/s	<input checked="" type="checkbox"/>	3Mbit/s
Number of channel.....	79					
Operating Temperature Range .....	0°C~40°C					

Rated power supply .....	Voltage and Frequency					
	<input type="checkbox"/>	AC: 220 – 240 V, 50/60 Hz				
	<input type="checkbox"/>	AC: 100 – 240 V, 50/60 Hz				
	<input checked="" type="checkbox"/>	I/P: 19Vdc, 3.0A or 24Vdc, 6.25A				
	<input type="checkbox"/>	Battery: .....				

## 1.2 Antenna Information

Antenna model / type number .....	N/A		
Antenna serial number .....	N/A		
Antenna Delivery .....	<input checked="" type="checkbox"/>	1TX + 1RX	
	<input type="checkbox"/>	2TX + 2RX	
	<input type="checkbox"/>	Others:.....	
Antenna technology .....	<input checked="" type="checkbox"/>	SISO	
	<input type="checkbox"/>	MIMO	<input type="checkbox"/> CDD
			<input type="checkbox"/> Beam-forming
Antenna Type .....	<input type="checkbox"/>	External	<input type="checkbox"/> Dipole
			<input type="checkbox"/> Sectorized
	<input checked="" type="checkbox"/>	Internal	<input checked="" type="checkbox"/> PIFA
			<input type="checkbox"/> PCB
			<input type="checkbox"/> Dipole
			<input type="checkbox"/> Others.....
Antenna Gain .....	2.76 dBi		

### 1.3 Channel List

Bluetooth Working Frequency of Each Channel: (For V3.0)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2403 MHz	02	2404 MHz	03	2405 MHz
04	2406 MHz	05	2407 MHz	06	2408 MHz	07	2409 MHz
08	2410 MHz	09	2411 MHz	10	2412 MHz	11	2413 MHz
12	2414 MHz	13	2415 MHz	14	2416 MHz	15	2417 MHz
16	2418 MHz	17	2419 MHz	18	2420 MHz	19	2421 MHz
20	2422 MHz	21	2423 MHz	22	2424 MHz	23	2425 MHz
24	2426 MHz	25	2427 MHz	26	2428 MHz	27	2429 MHz
28	2430 MHz	29	2431 MHz	30	2432 MHz	31	2433 MHz
32	2434 MHz	33	2435 MHz	34	2436 MHz	35	2437 MHz
36	2438 MHz	37	2439 MHz	38	2440 MHz	39	2441 MHz
40	2442 MHz	41	2443 MHz	42	2444 MHz	43	2445 MHz
44	2446 MHz	45	2447 MHz	46	2448 MHz	47	2449 MHz
48	2450 MHz	49	2451 MHz	50	2452 MHz	51	2453 MHz
52	2454 MHz	53	2455 MHz	54	2456 MHz	55	2457 MHz
56	2458 MHz	57	2459 MHz	58	2460 MHz	59	2461 MHz
60	2462 MHz	61	2463 MHz	62	2464 MHz	63	2465 MHz
64	2466 MHz	65	2467 MHz	66	2468 MHz	67	2469 MHz
68	2470 MHz	69	2471 MHz	70	2472 MHz	71	2473 MHz
72	2474 MHz	73	2475 MHz	74	2476 MHz	75	2477 MHz
76	2478 MHz	77	2479 MHz	78	2480 MHz	N/A	N/A

Note: The general description of the Item(s), antenna information and channel list in clause 1 are provided and confirmed by the client.

## 2 DESCRIPTION OF TEST SETUP

### 2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

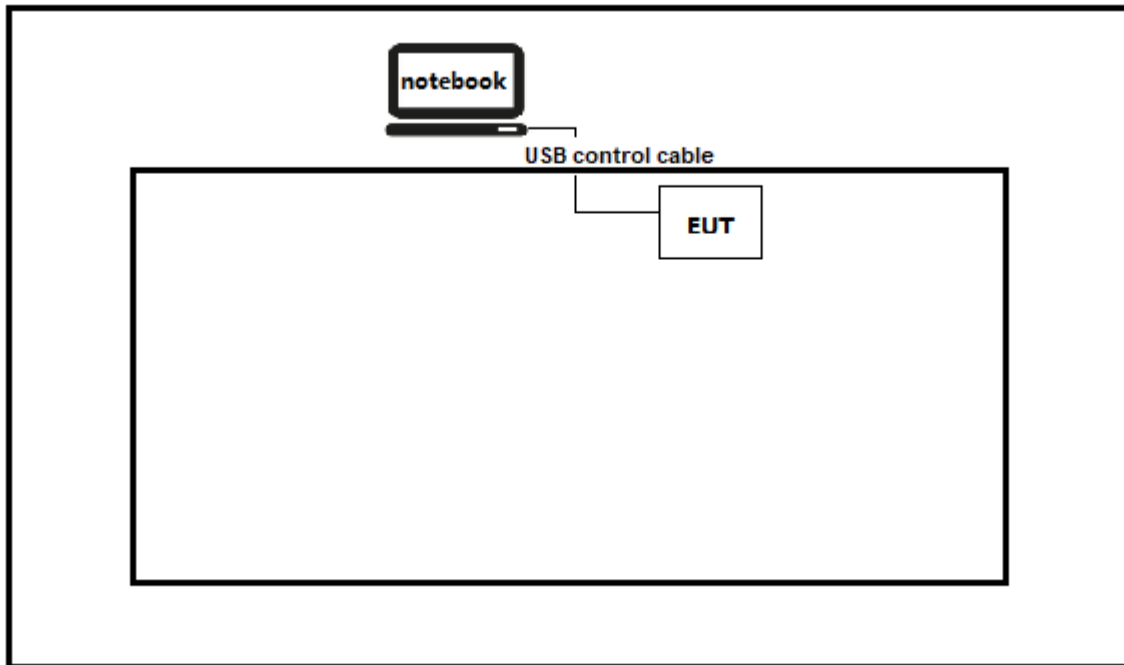
Test Mode For Bluetooth	Mode 1: Transmitter-1Mbps(GFSK_DH5)
	Mode 2: Transmitter-2Mbps(Pi/4 DQPSK_DH5)
	Mode 3: Transmitter-3Mbps(8DPSK_DH5)
	Mode 4: Transmitter-Hopping-1Mbps(GFSK_DH5)
	Mode 5: Transmitter-Hopping-2Mbps(Pi/4 DQPSK_DH5)
	Mode 6: Transmitter-Hopping-3Mbps(8DPSK_DH5)

### 2.2 Auxiliary equipment / Test software for the EUT

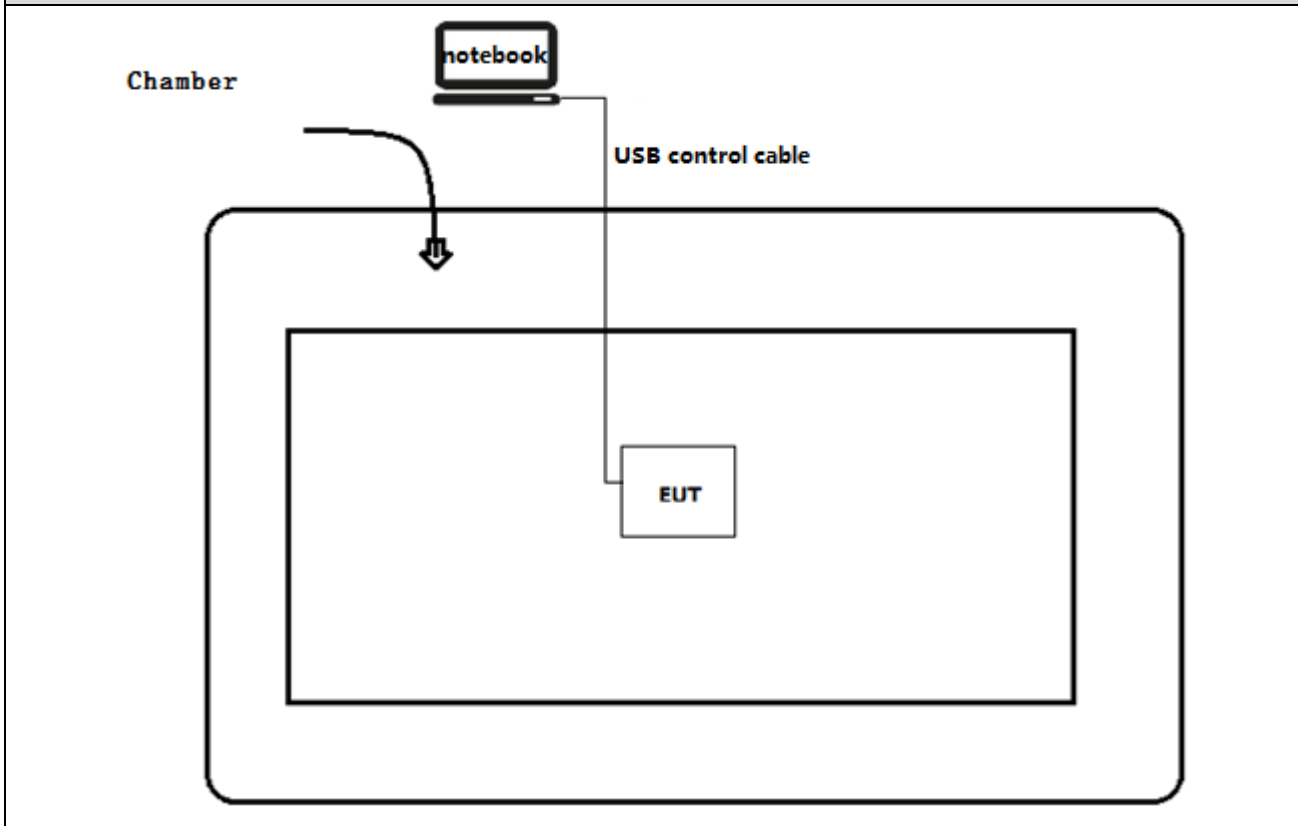
Auxiliary equipment	Type / Version	Manufacturer	Supplied by
Notebook	2526	Think Pad	N/A
Software	Type / Version	Manufacturer	Supplied by
Ampak RFTestTool	N/A	N/A	N/A

### 2.3 Test Configuration / Block diagram used for tests

Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Radiated Emission



## 2.4 Testing process

1	Setup the EUT as shown in Section 2.3
2	Execute the test program.
3	Configure the test mode and test channel.
4	Verify that the EUT works properly.

### 3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

#### 3.1 Standards

Standard	Year	Description
FCC CFR Title 47 Part 15 Subpart C Section 15.247	2021	Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz.
ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB558074 D01 v05r02	2019	Guidance for performing compliance measurements on Digital Transmission System (DTS) operating under section 15.247
RSS-Gen Issue 5 Amendment 2	2021	General Requirements for Compliance of Radio Apparatus
RSS-247 Issue 2	2017	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices

#### 3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

*(Please define the deviations from the standard(s) if applicable)*

### 3.3 Overview of results

#### For FCC

Performed Test Item	Normative References	Test Performed	Deviation
Conducted Emission	FCC CFR Title 47 Part 15 Subpart C: 2015Section 15.207	Yes	No
Emissions in restricted frequency bands	FCC CFR Title 47 Part 15 Subpart C: 2015Section 15.209	Yes	No
20dB Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(a)(1)	No	No
Carrier Frequency Separation	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(a)(1)	No	No
Number of Hopping Frequencies	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(a)(1)(iii)	No	No
Time of Occupancy (Dwell Time)	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(a)(1)(iii)	No	No
Peak OutputPower	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(b)(1)	Yes	No
Emissions in non-restricted frequency bands	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.215(c), 15.247(d)	No	No
Band Edge	FCC CFR Title 47 Part 15 Subpart C: 2015 15.247(d)	No	No
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.203	No	No



**For ISED**

Performed Test Item	Normative References	Test Performed	Deviation
Conducted Emission	RSS-Gen Issue 5Section 8.8	Yes	No
Radiated Emission	RSS-Gen Issue 5Section 8.9	Yes	No
20dB Bandwidth	RSS-247 Issue 2 Section 5.1	No	No
Carrier Frequency Separation	RSS-247 Issue 2 Section 5.1	No	No
Number of Hopping Frequencies	RSS-247 Issue 2 Section 5.1	No	No
Time of Occupancy (Dwell Time)	RSS-247 Issue 2 Section 5.1	No	No
Peak OutputPower	RSS-247 Issue 2 Section 5.4	Yes	No
Emissions in non-restricted frequency bands	RSS-247 Issue 2 Section 5.5	No	No
Band Edge	RSS-Gen Issue 5Section 8.10	No	No
Antenna Requirement	RSS-Gen Issue 5Section 8.3	No	No

---

### 3.4 Test Facility

**USA : FCC Designation Number: CN1199**

**CA : ISED CAB identifier: CN0040**

## 4 TEST RESULTS

### 4.1 Conducted Emission

VERDICT: PASS

#### 4.1.1 Limit

Standard		
FCC Part 15 Subpart C Paragraph 15.207		
Frequency range [MHz]	Limit: QP [dB(μV) <sup>1)</sup>	Limit: AV [dB(μV) <sup>1)</sup>
0,15 - 0,50	66 - 56 <sup>2)</sup>	56 - 46 <sup>2)</sup>
0,50 - 5,0	56	46
5,0 - 30	60	50

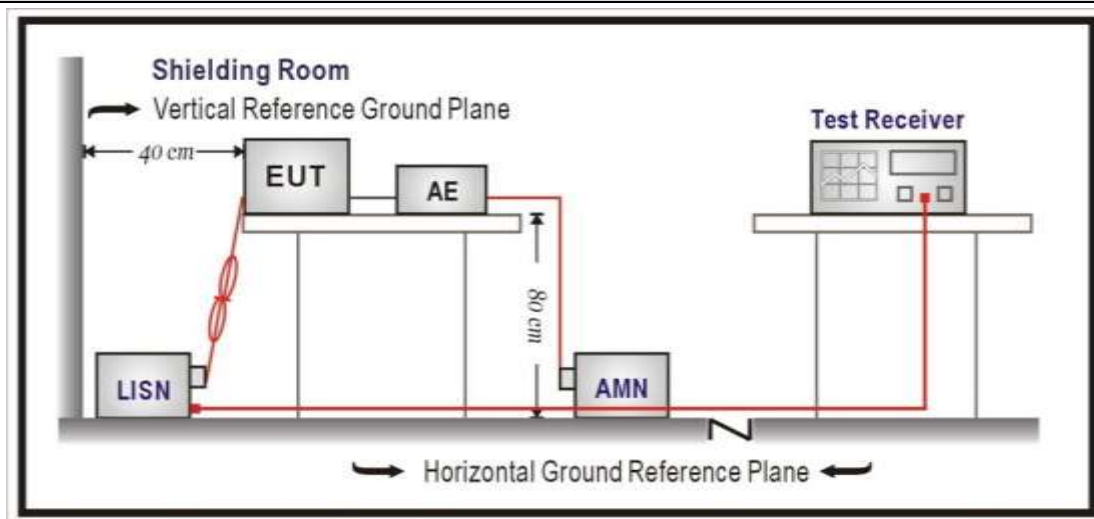
<sup>1)</sup> At the transition frequency, the lower limit applies.

<sup>2)</sup> The limit decreases linearly with the logarithm of the frequency.

**NOTE 1:** The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.

**NOTE 2:** Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

#### 4.1.2 Test Setup

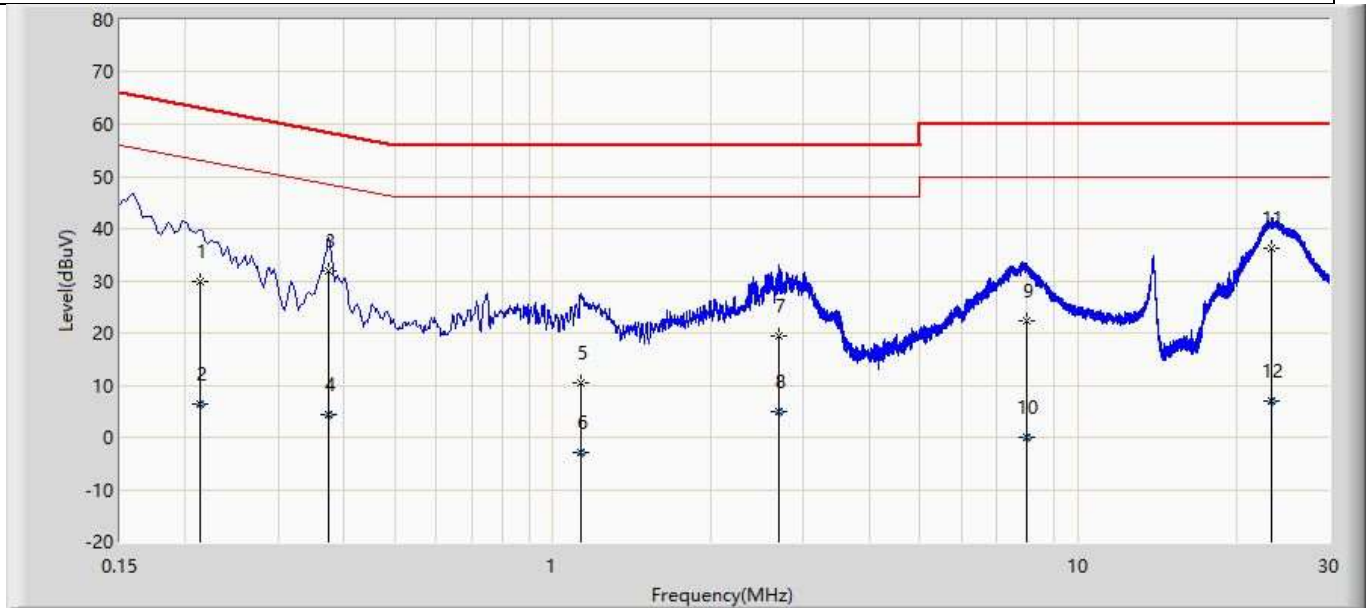


#### 4.1.3 Test Procedure

	References Rule	Chapter	Item
<input checked="" type="checkbox"/>	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

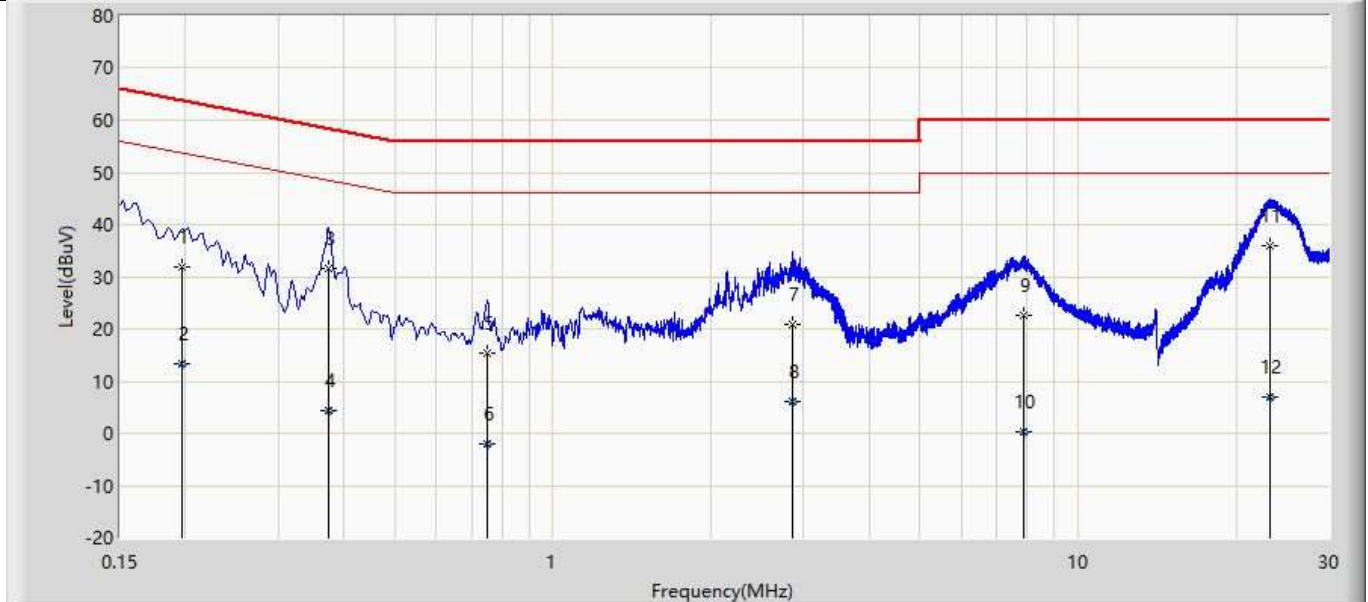
**4.1.4 Test Data**

Profile: 21B0716R	Page No.: 13
Engineer: Tim.Cao	
Site: TR1	Time: 2021/12/08 - 02:08
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT: TOUCH ALL ONE COMPUTER	Power: AC 120V/60Hz
Note: Mode: N-line	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.213	29.969	20.274	-33.119	63.088	9.695	QP
2		0.213	6.295	-3.399	-46.792	53.088	9.695	AV
3		0.375	31.763	21.990	-26.627	58.389	9.773	QP
4		0.375	4.347	-5.426	-44.042	48.389	9.773	AV
5		1.129	10.301	0.323	-45.699	56.000	9.977	QP
6		1.129	-2.865	-12.843	-48.865	46.000	9.977	AV
7		2.695	19.471	9.408	-36.529	56.000	10.064	QP
8		2.695	4.816	-5.248	-41.184	46.000	10.064	AV
9		7.969	22.394	12.123	-37.606	60.000	10.270	QP
10		7.969	-0.046	-10.317	-50.046	50.000	10.270	AV
11	*	23.359	36.254	25.603	-23.746	60.000	10.651	QP
12		23.359	6.962	-3.689	-43.038	50.000	10.651	AV

Profile: 21B0716R	Page No.: 14
Engineer: Tim.Cao	
Site: TR1	Time: 2021/12/08 - 02:11
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT: TOUCH ALL ONE COMPUTER	Power: AC 120V/60Hz
Note: Mode: N-line	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.197	31.893	22.208	-31.833	63.726	9.685	QP
2		0.197	13.473	3.788	-40.253	53.726	9.685	AV
3		0.375	31.520	21.747	-26.869	58.389	9.773	QP
4		0.375	4.384	-5.389	-44.006	48.389	9.773	AV
5		0.751	15.267	5.348	-40.733	56.000	9.919	QP
6		0.751	-1.931	-11.850	-47.931	46.000	9.919	AV
7		2.857	20.979	10.909	-35.021	56.000	10.070	QP
8		2.857	6.156	-3.913	-39.844	46.000	10.070	AV
9		7.863	22.734	12.469	-37.266	60.000	10.265	QP
10		7.863	0.188	-10.077	-49.812	50.000	10.265	AV
11	*	23.131	35.814	25.167	-24.186	60.000	10.647	QP
12		23.131	6.974	-3.673	-43.026	50.000	10.647	AV

<b>4.2 Emissions in restricted frequency bands</b>	<b>VERDICT: PASS</b>
--	----------------------

4.2.1 Limit			
Standard		FCC Part 15 Subpart C Paragraph 15.209	
Restricted Bands of operation for FCC			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975 – 12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675 – 12.57725	322 – 335.4	3600 – 4400	
13.36 – 13.41			
Restricted Bands of operation for ISED			
0.090 - 0.110	13.36 - 13.41	960 - 1427	9.0 - 9.2
0.495 - 0.505	16.42 - 16.423	1435 - 1626.5	9.3 - 9.5
2.1735 - 2.1905	16.69475 - 16.69525	1645.5 - 1646.5	10.6 - 12.7
3.020 - 3.026	16.80425 - 16.80475	1660 - 1710	13.25 - 13.4
4.125 - 4.128	25.5 - 25.67	1718.8 - 1722.2	14.47 - 14.5
4.17725 - 4.17775	37.5 - 38.25	2200 - 2300	15.35 - 16.2
4.20725 - 4.20775	73 - 74.6	2310 - 2390	17.7 - 21.4
5.677 - 5.683	74.8 - 75.2	2483.5 - 2500	22.01 - 23.12
6.215 - 6.218	108 - 138	2655 - 2900	23.6 - 24.0
6.26775 - 6.26825	149.9 - 150.05	3260 - 3267	31.2 - 31.8
6.31175 - 6.31225	156.52475 - 156.52525	3332 - 3339	36.43 - 36.5
8.291 - 8.294	156.7 - 156.9	3345.8 - 3358	Above 38.6
8.362 - 8.366	162.0125 - 167.17	3500 - 4400	
8.37625 - 8.38675	167.72 - 173.2	4500 - 5150	
8.41425 - 8.41475	240 - 285	5350 - 5460	
12.29 - 12.293	322 - 335.4	7250 - 7750	
12.51975 - 12.52025	399.9 - 410	8025 - 8500	
12.57675 - 12.57725	608 - 614	--	

Restricted Band Emissions Limit			
Frequency (MHz)	Field strength ( $\mu\text{V/m}$ )	Field strength ( $\text{dB}\mu\text{V/m}$ )	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 <sub>(Note 1)</sub>
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 <sub>(Note 1)</sub>
1.705 - 30	30	29.5	30 <sub>(Note 1)</sub>
30 -88	100	40	3 <sub>(Note 2)</sub>
88-216	150	43.5	3 <sub>(Note 2)</sub>
216 - 960	200	46	3 <sub>(Note 2)</sub>
Above 960	500	54	3 <sub>(Note 2)</sub>

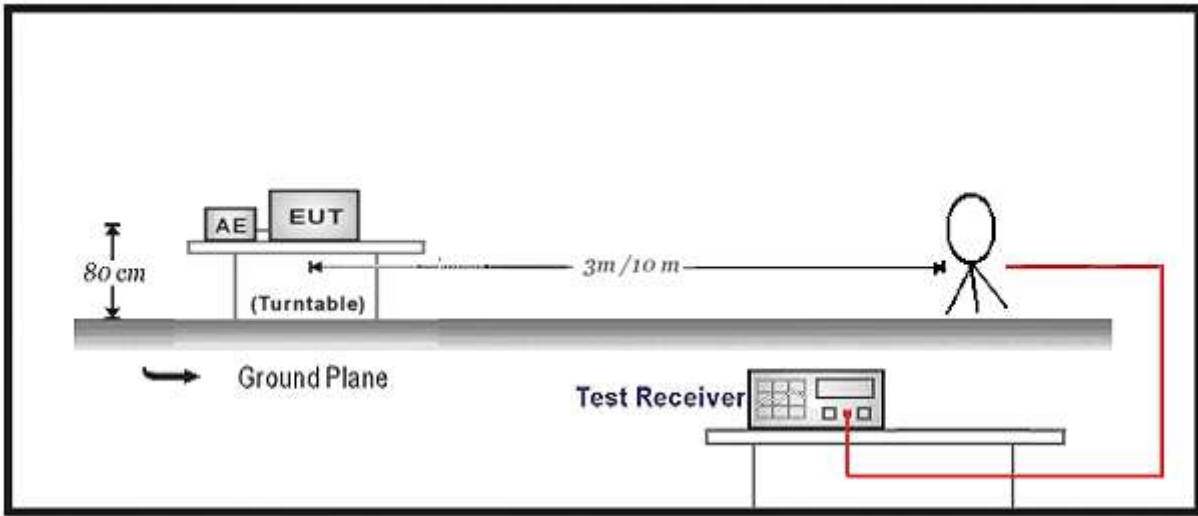
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment.

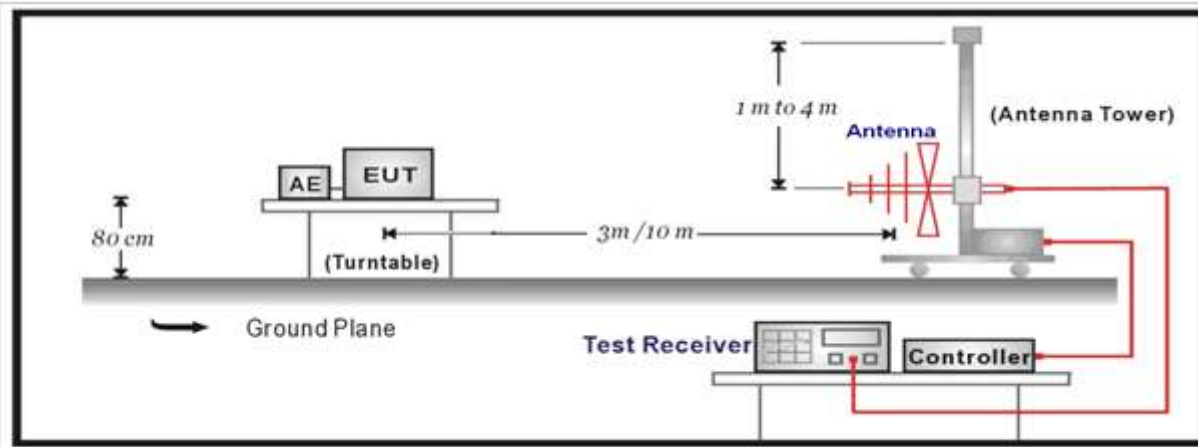
Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

### 4.2.2 Test Setup

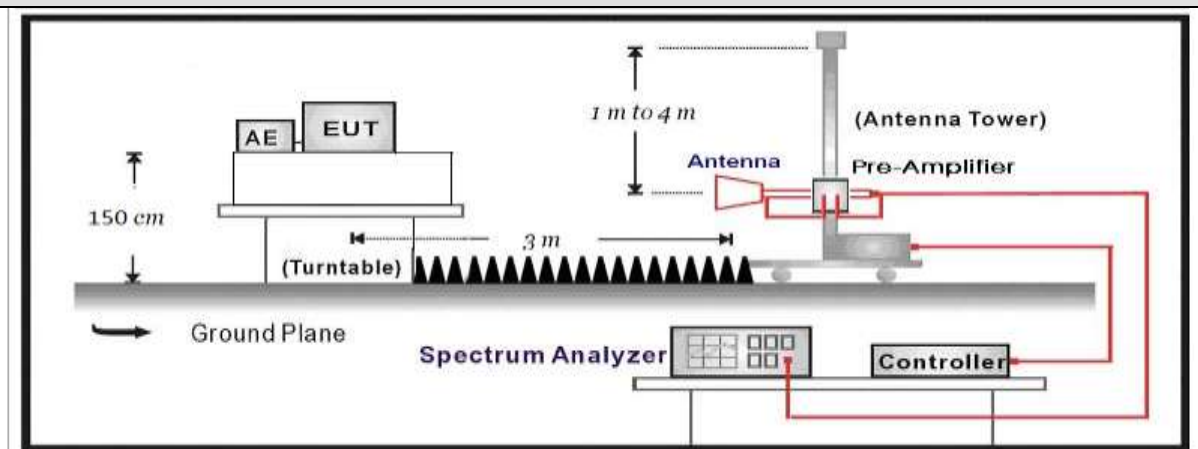
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:

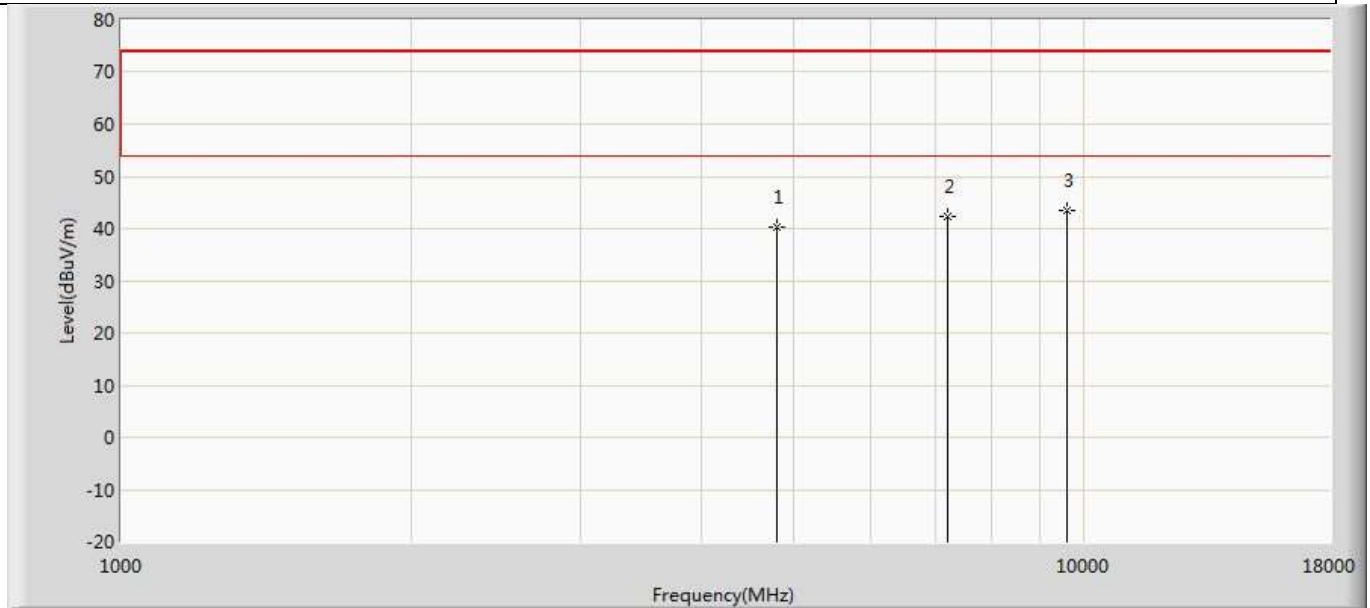




4.2.3 Test Procedure			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	11.12	Emissions in restricted frequency bands
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> ANSI C63.10	11.12.1	Radiated emission measurements
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> ANSI C63.10	11.12.2.7	Radiated spurious emission test
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

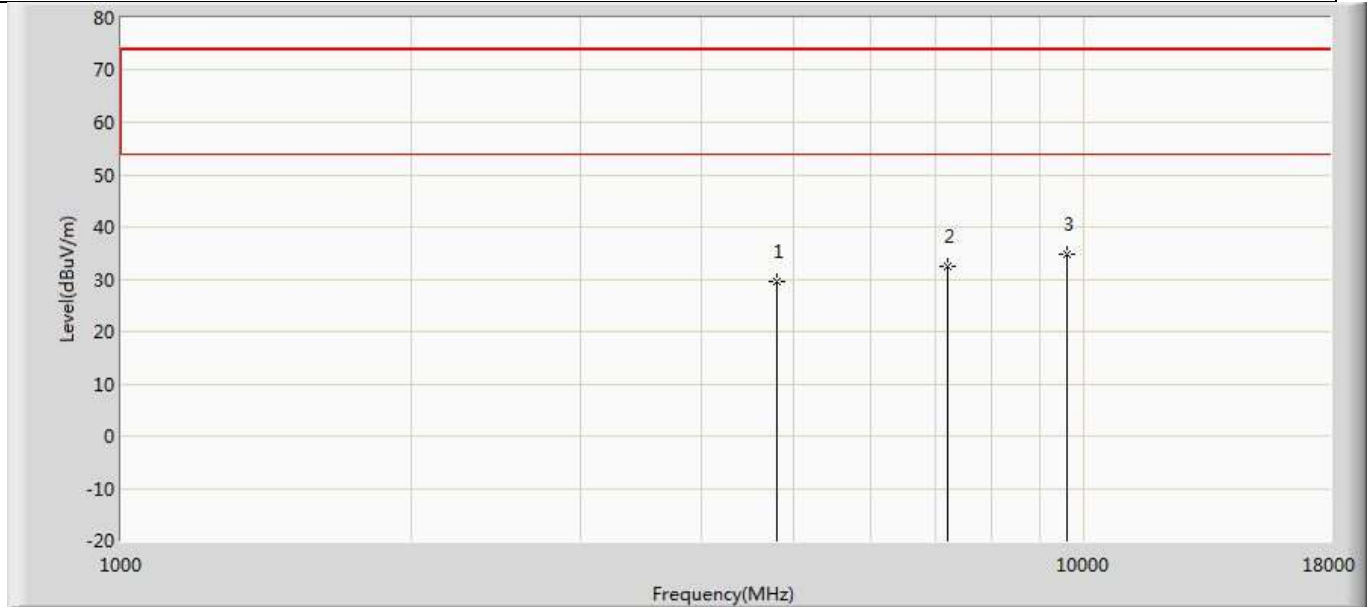
**4.2.4 Test Data**

Profile: 21B0716 RSE	Page No.: 165
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2402MHz by DH5	



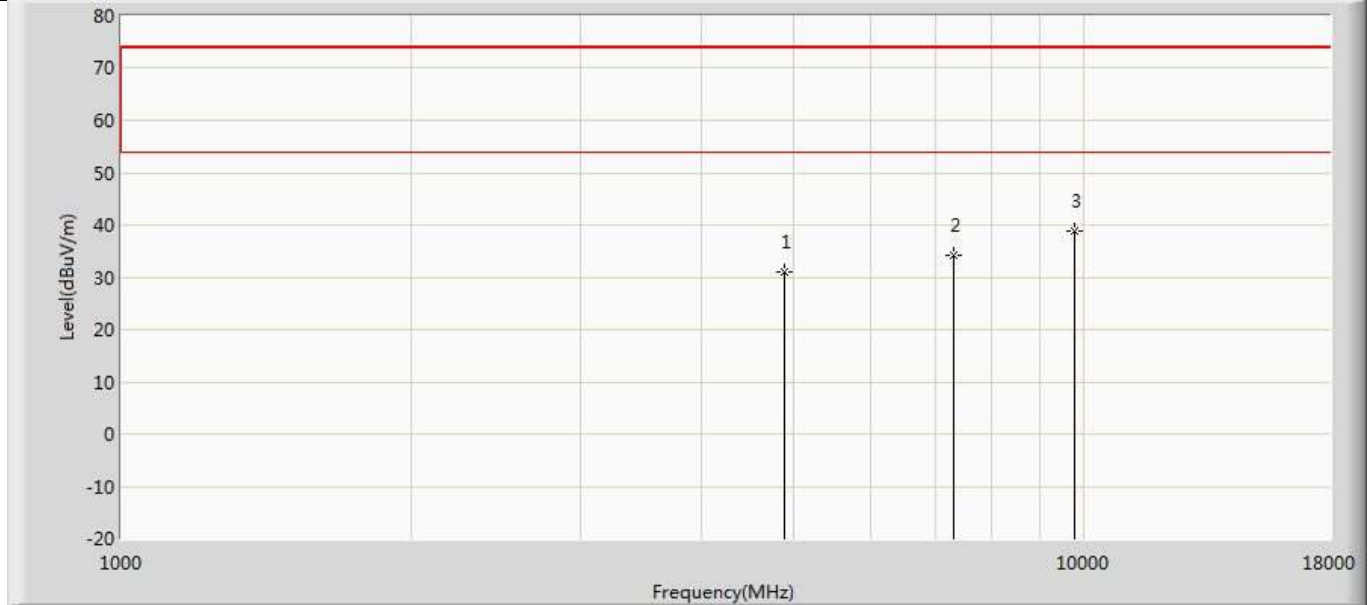
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.227	47.618	-33.773	74.000	-7.391	PK
2		7206.000	42.424	46.425	-31.576	74.000	-4.001	PK
3	*	9608.000	43.618	44.722	-30.382	74.000	-1.104	PK

Profile: 21B0716 RSE	Page No.: 166
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2402MHz by DH5	



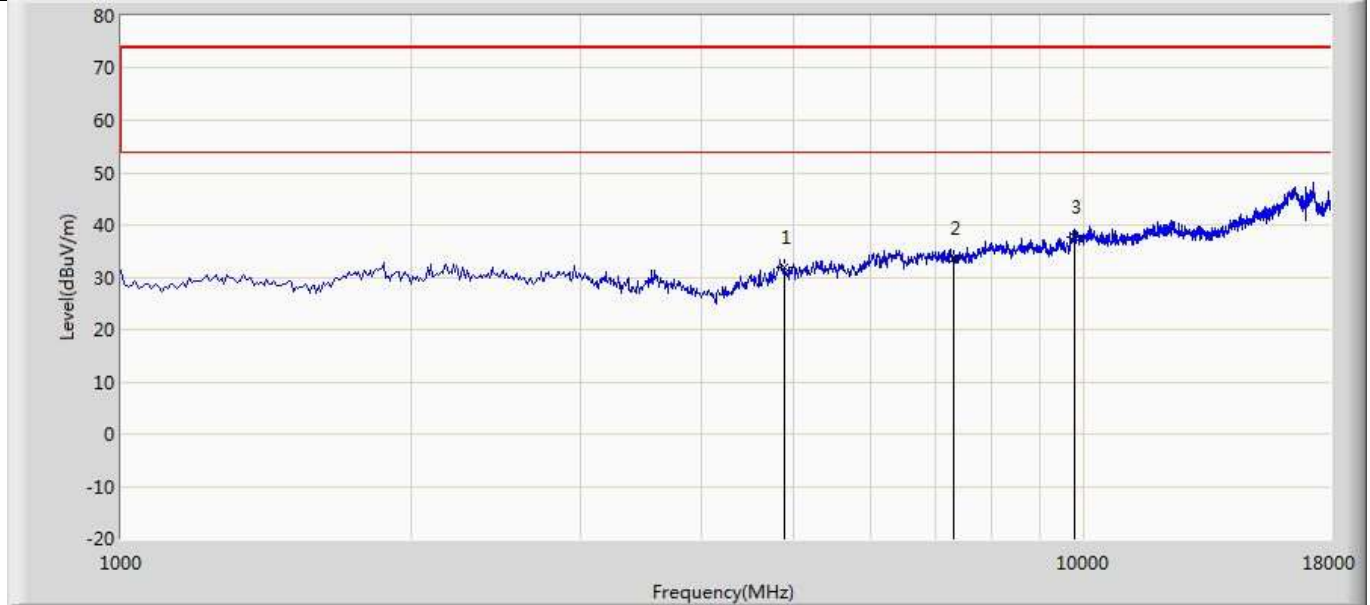
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	29.704	37.095	-44.296	74.000	-7.391	PK
2		7206.000	32.534	36.535	-41.466	74.000	-4.001	PK
3	*	9608.000	34.840	35.944	-39.160	74.000	-1.104	PK

Profile: 21B0716R	Page No.: 167
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2441MHz by DH5	



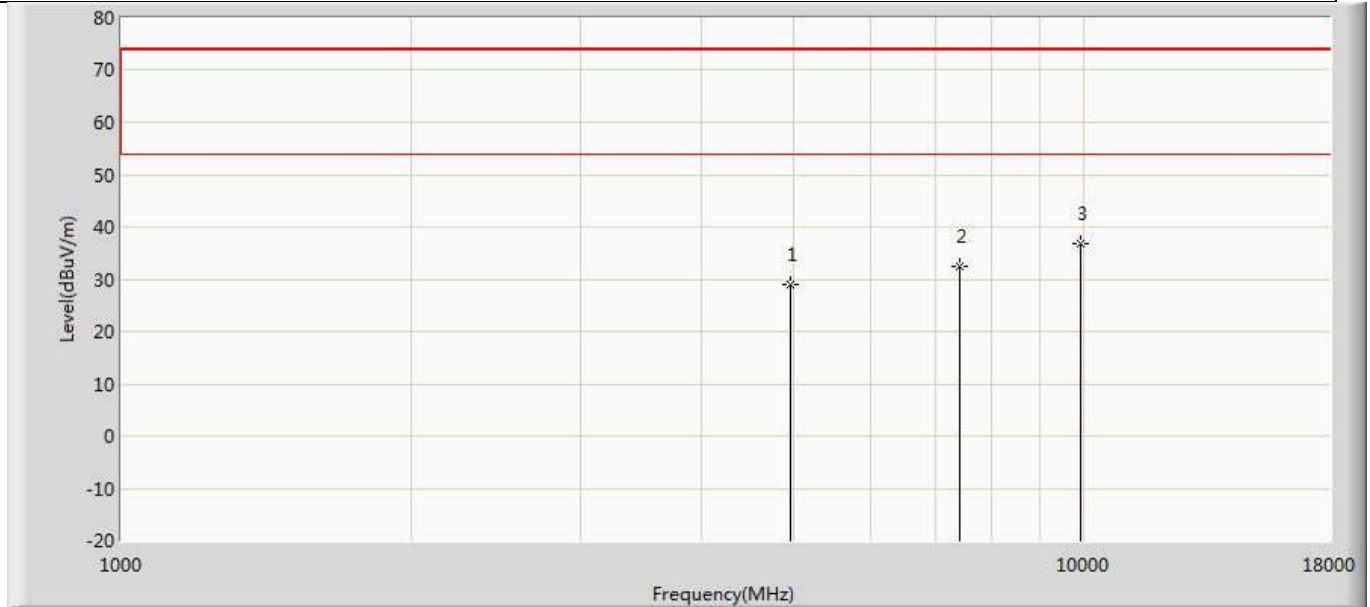
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	30.956	37.789	-43.044	74.000	-6.834	PK
2		7323.000	34.298	38.214	-39.702	74.000	-3.916	PK
3	*	9764.000	38.757	38.494	-35.243	74.000	0.263	PK

Profile: 21B0716R	Page No.: 168
Engineer: Juliuszhou	
Site: AC5	Time: 2021/12/10 - 05:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2441MHz by DH5	



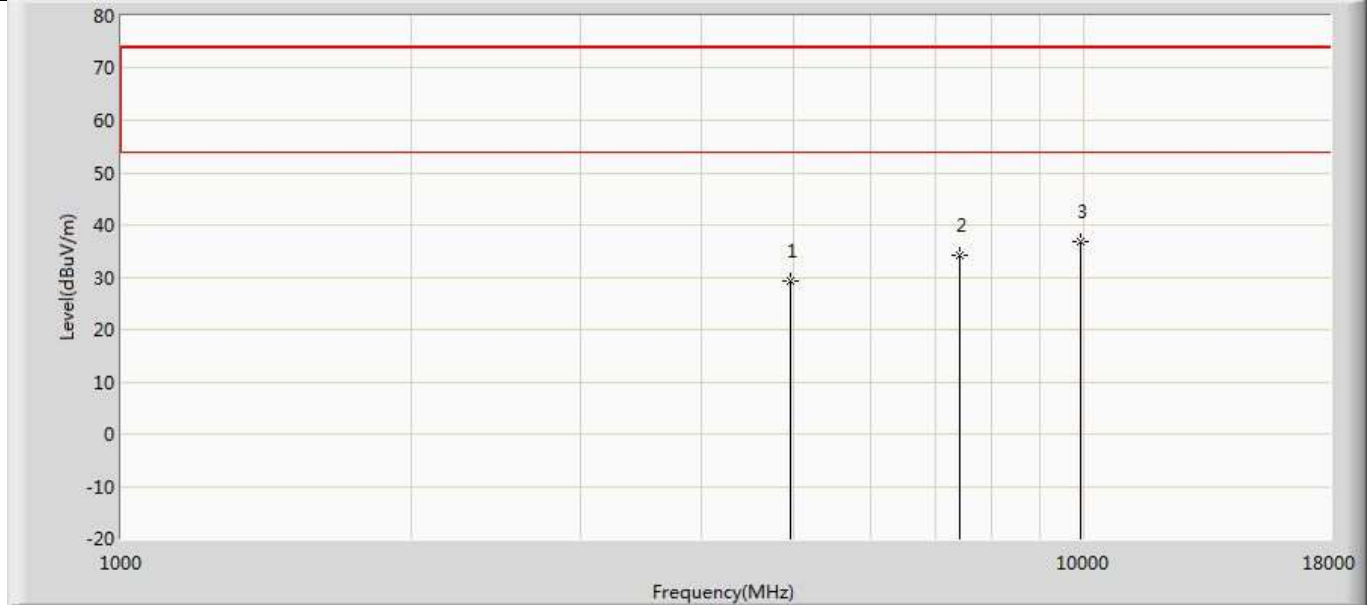
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	31.753	38.586	-42.247	74.000	-6.834	PK
2		7323.000	33.728	37.644	-40.272	74.000	-3.916	PK
3	*	9764.000	37.656	37.393	-36.344	74.000	0.263	PK

Profile: 21B0716R	Page No.: 169
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2480MHz by DH5	



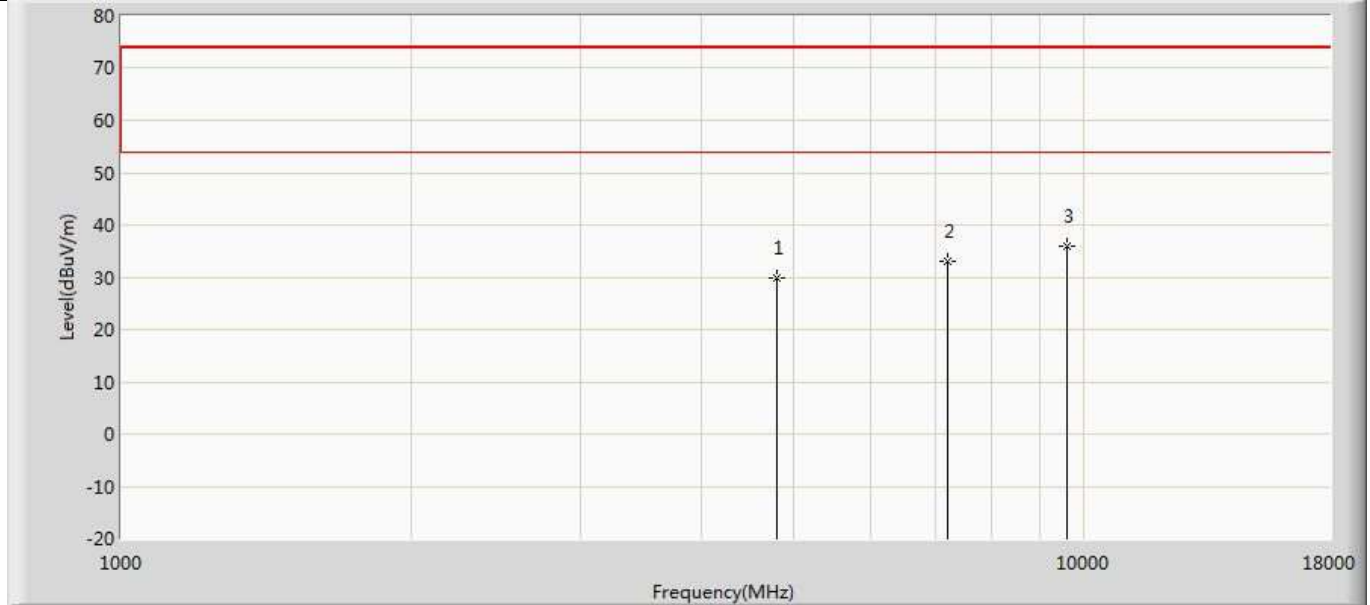
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	28.968	35.821	-45.032	74.000	-6.853	PK
2		7440.000	32.448	36.126	-41.552	74.000	-3.678	PK
3	*	9920.000	36.687	35.590	-37.313	74.000	1.097	PK

Profile: 21B0716R	Page No.: 170
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2480MHz by DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	29.183	36.036	-44.817	74.000	-6.853	PK
2		7440.000	34.160	37.838	-39.840	74.000	-3.678	PK
3	*	9920.000	36.695	35.598	-37.305	74.000	1.097	PK

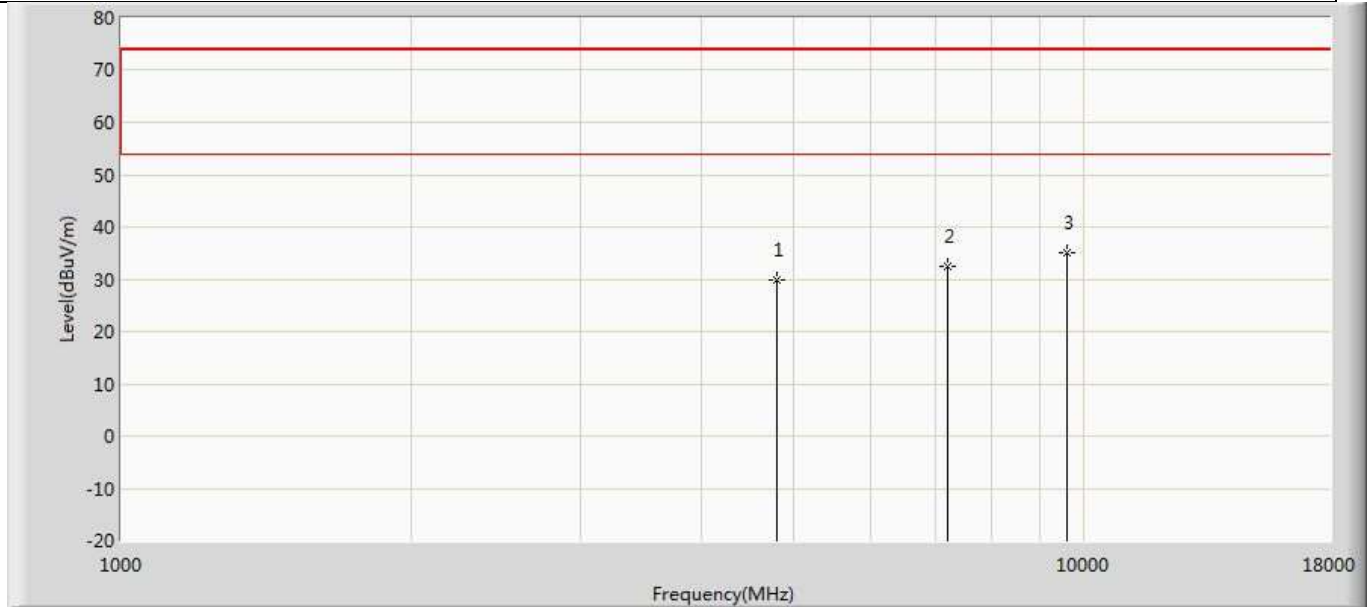
Profile: 21B0716R	Page No.: 171
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2402MHz by 2DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	29.756	37.147	-44.244	74.000	-7.391	PK
2		7206.000	33.090	37.091	-40.910	74.000	-4.001	PK
3	*	9608.000	36.001	37.105	-37.999	74.000	-1.104	PK

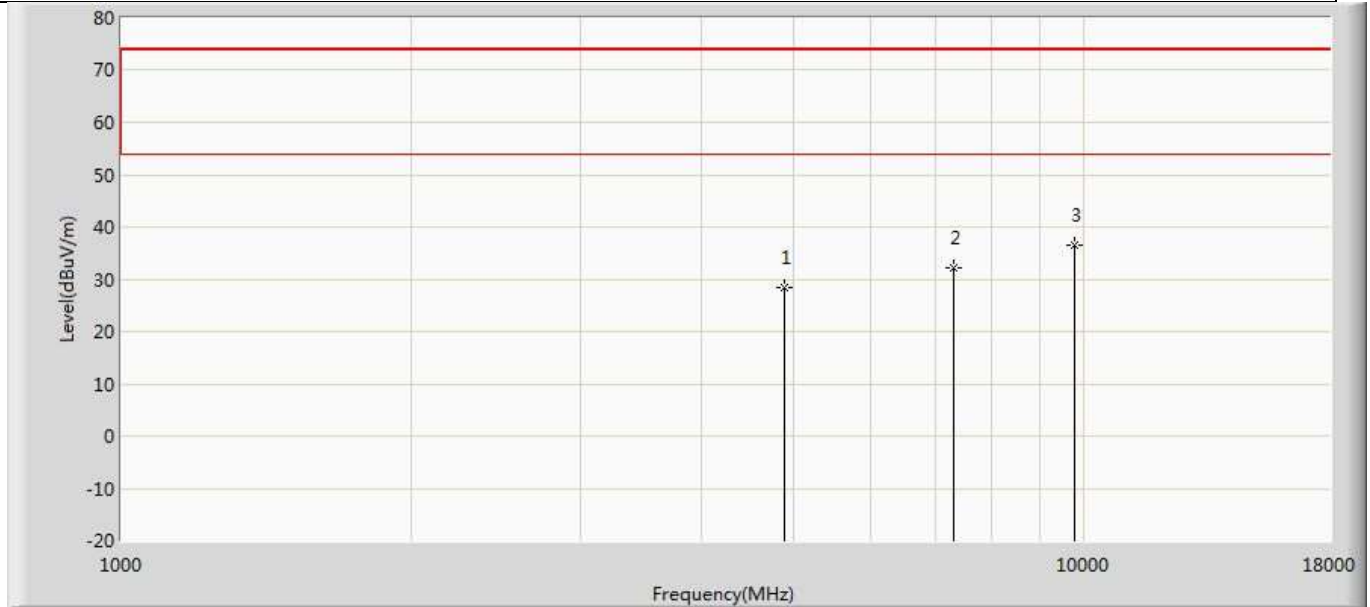


Profile: 21B0716R	Page No.: 172
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2402MHz by 2DH5	



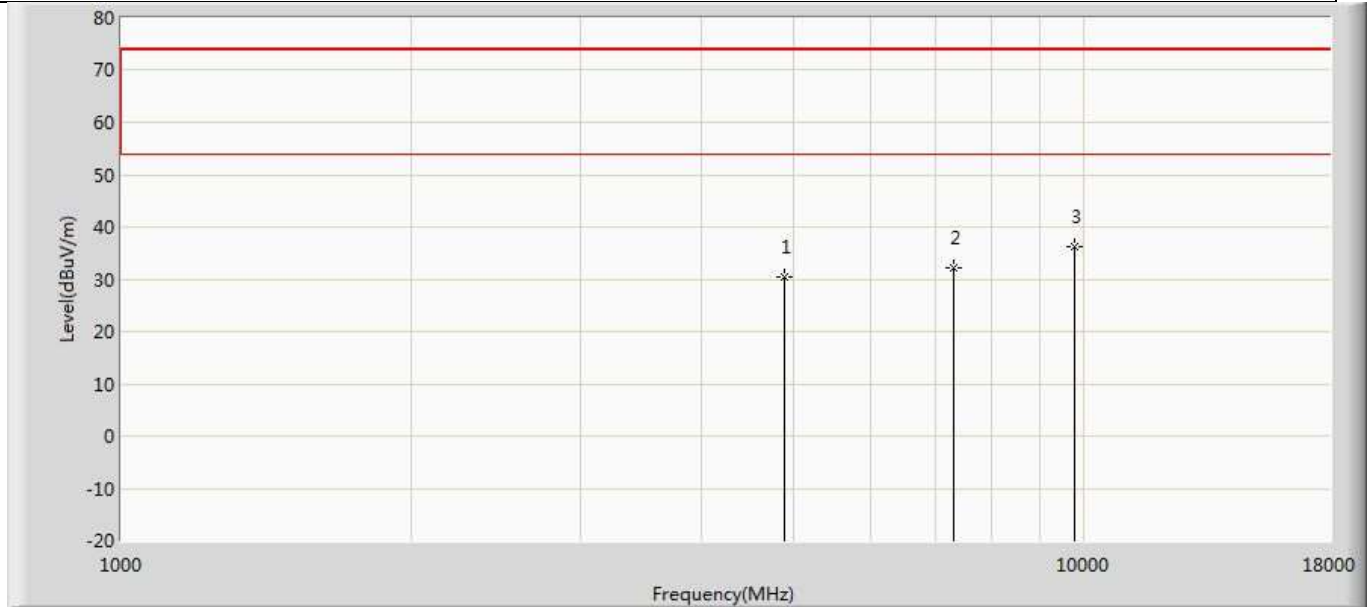
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	29.757	37.148	-44.243	74.000	-7.391	PK
2		7206.000	32.407	36.408	-41.593	74.000	-4.001	PK
3	*	9608.000	35.125	36.229	-38.875	74.000	-1.104	PK

Profile: 21B0716R	Page No.: 173
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2441MHz by 2DH5	



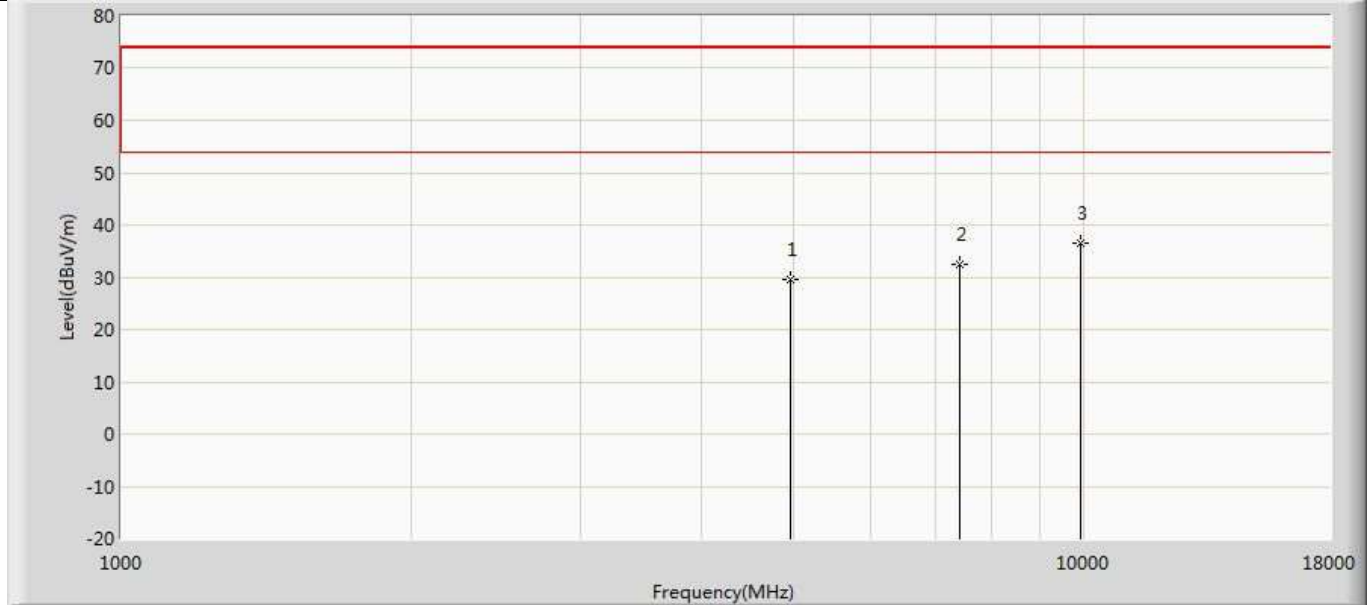
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	28.447	35.280	-45.553	74.000	-6.834	PK
2		7323.000	32.104	36.020	-41.896	74.000	-3.916	PK
3	*	9764.000	36.438	36.175	-37.562	74.000	0.263	PK

Profile: 21B0716R	Page No.: 174
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2441MHz by 2DH5	



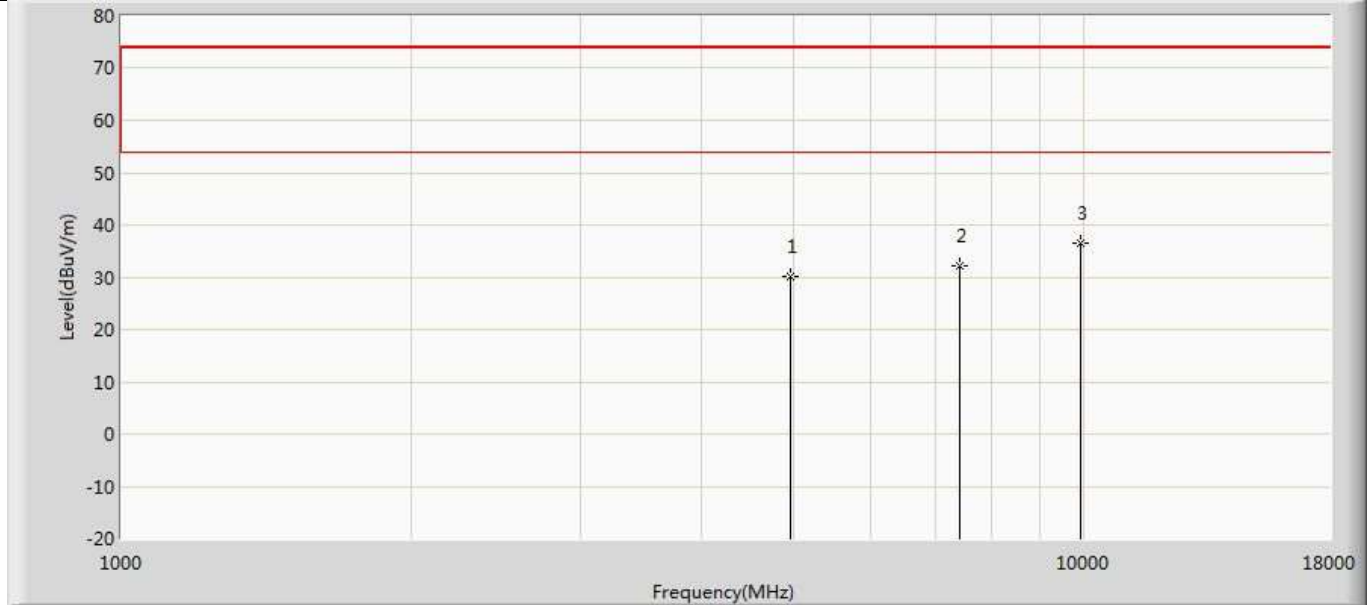
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	30.473	37.306	-43.527	74.000	-6.834	PK
2		7323.000	32.254	36.170	-41.746	74.000	-3.916	PK
3	*	9764.000	36.300	36.037	-37.700	74.000	0.263	PK

Profile: 21B0716R	Page No.: 175
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2480MHz by 2DH5	



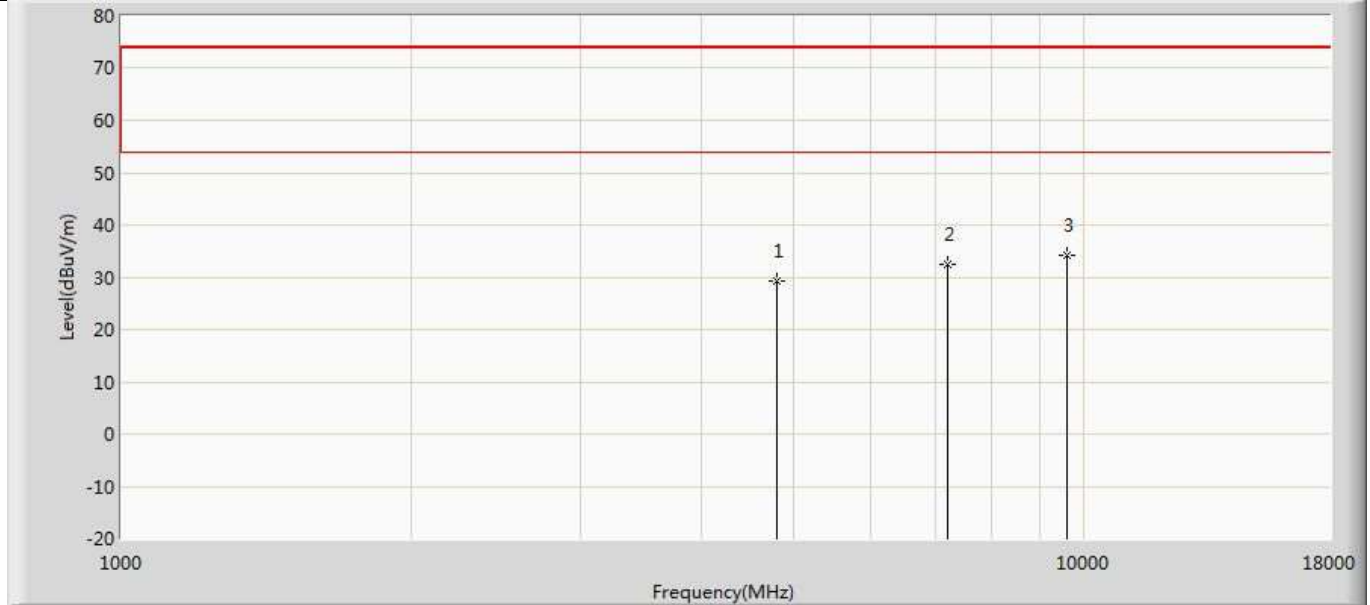
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	29.584	36.437	-44.416	74.000	-6.853	PK
2		7440.000	32.513	36.191	-41.487	74.000	-3.678	PK
3	*	9920.000	36.430	35.333	-37.570	74.000	1.097	PK

Profile: 21B0716R	Page No.: 176
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2480MHz by 2DH5	



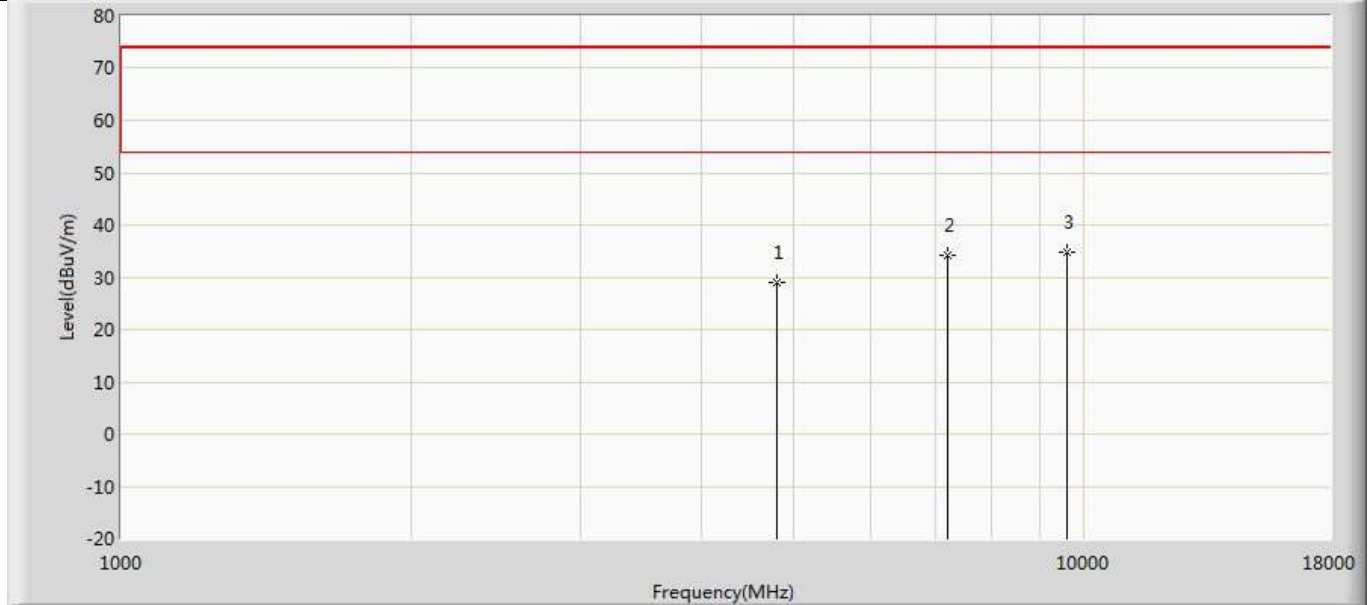
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	30.193	37.046	-43.807	74.000	-6.853	PK
2		7440.000	32.105	35.783	-41.895	74.000	-3.678	PK
3	*	9920.000	36.499	35.402	-37.501	74.000	1.097	PK

Profile: 21B0716R	Page No.: 177
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2402MHz by 3DH5	



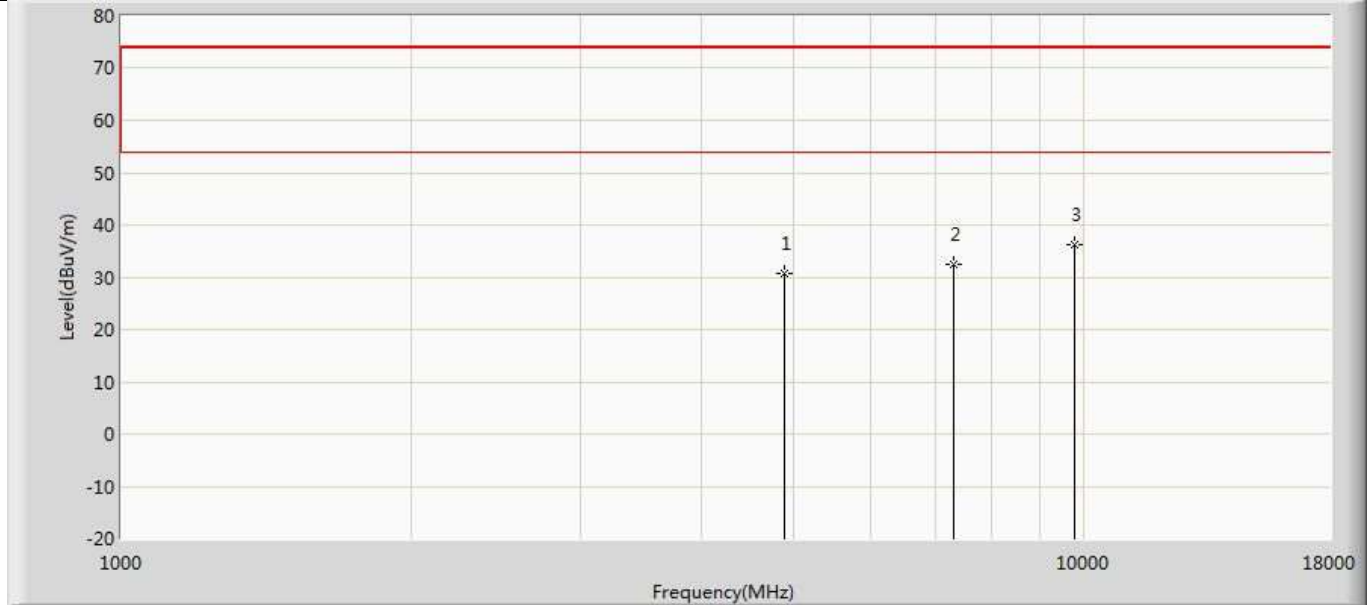
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	29.210	36.601	-44.790	74.000	-7.391	PK
2		7206.000	32.563	36.564	-41.437	74.000	-4.001	PK
3	*	9608.000	34.317	35.421	-39.683	74.000	-1.104	PK

Profile: 21B0716R	Page No.: 178
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2402MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	28.994	36.385	-45.006	74.000	-7.391	PK
2		7206.000	34.229	38.230	-39.771	74.000	-4.001	PK
3	*	9608.000	34.681	35.785	-39.319	74.000	-1.104	PK

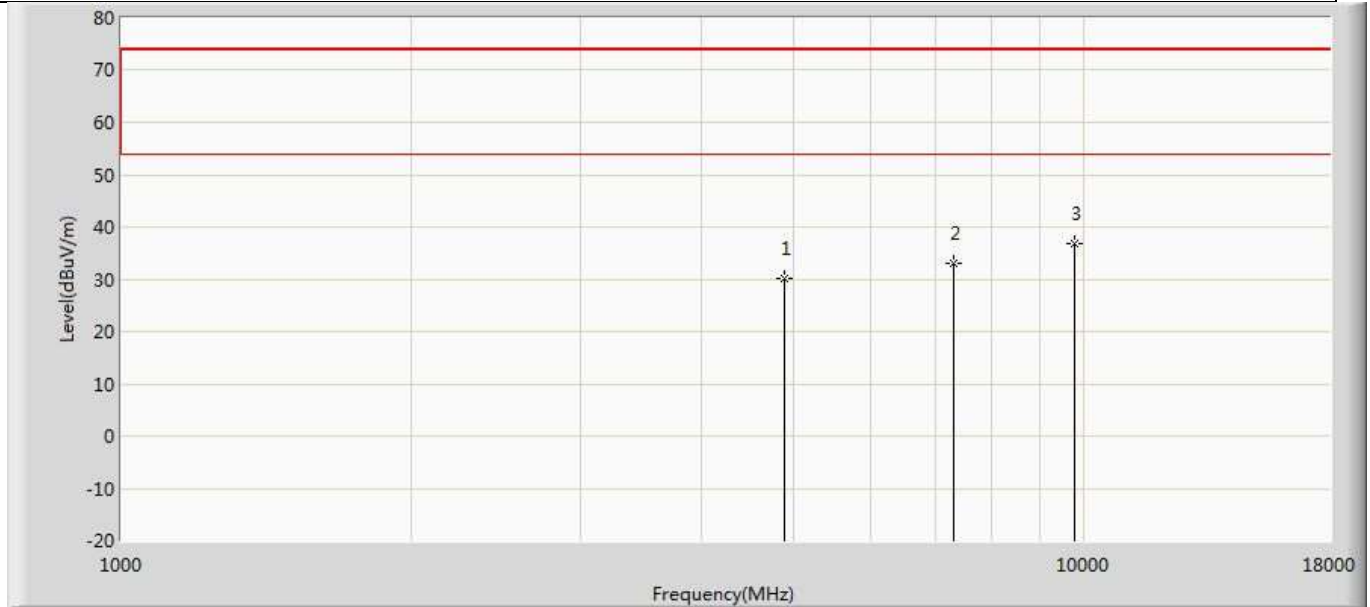
Profile: 21B0716R	Page No.: 179
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2441MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	30.817	37.650	-43.183	74.000	-6.834	PK
2		7323.000	32.587	36.503	-41.413	74.000	-3.916	PK
3	*	9764.000	36.131	35.868	-37.869	74.000	0.263	PK

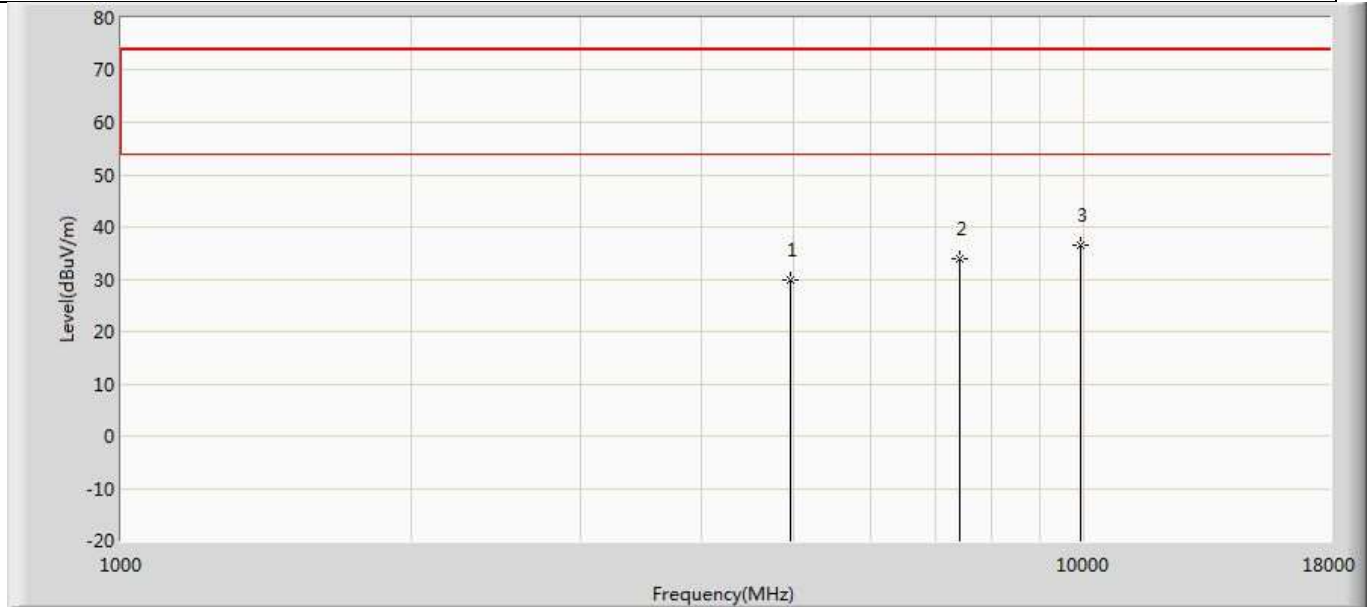


Profile: 21B0716R	Page No.: 180
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2441MHz by 3DH5	



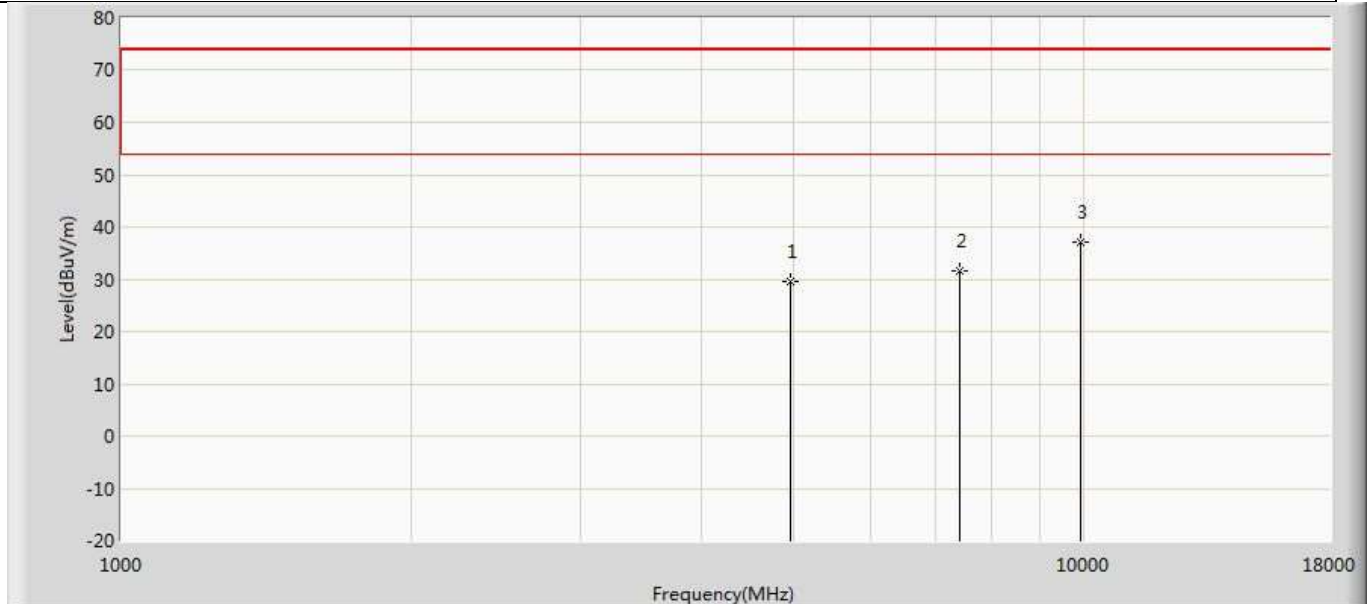
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	30.209	37.042	-43.791	74.000	-6.834	PK
2		7323.000	33.014	36.930	-40.986	74.000	-3.916	PK
3	*	9764.000	36.738	36.475	-37.262	74.000	0.263	PK

Profile: 21B0716R	Page No.: 181
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2480MHz by 3DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	29.771	36.624	-44.229	74.000	-6.853	PK
2		7440.000	33.804	37.482	-40.196	74.000	-3.678	PK
3	*	9920.000	36.544	35.447	-37.456	74.000	1.097	PK

Profile: 21B0716R	Page No.: 182
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2480MHz by 3DH5	



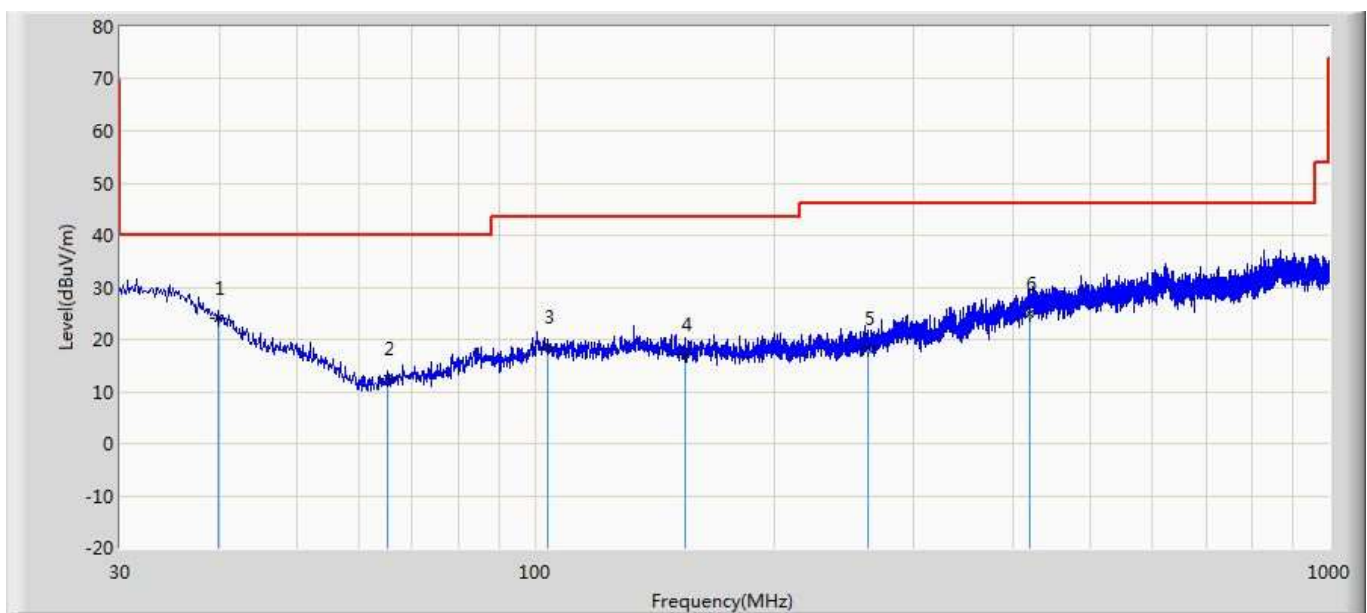
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	29.450	36.303	-44.550	74.000	-6.853	PK
2		7440.000	31.714	35.392	-42.286	74.000	-3.678	PK
3	*	9920.000	37.094	35.997	-36.906	74.000	1.097	PK

Note:

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, 18GHz~26GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. As the radiated emission was performed, so conducted emission was not tested.

**The worst case of Radiated Emission below 1GHz:**

Profile: 1	Page No.: 19
Engineer: Carlos shen	
Site: AC2	Time: 2021/11/27 - 06:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC2_3M(30-1000M)	Polarity: Horizontal
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode1	

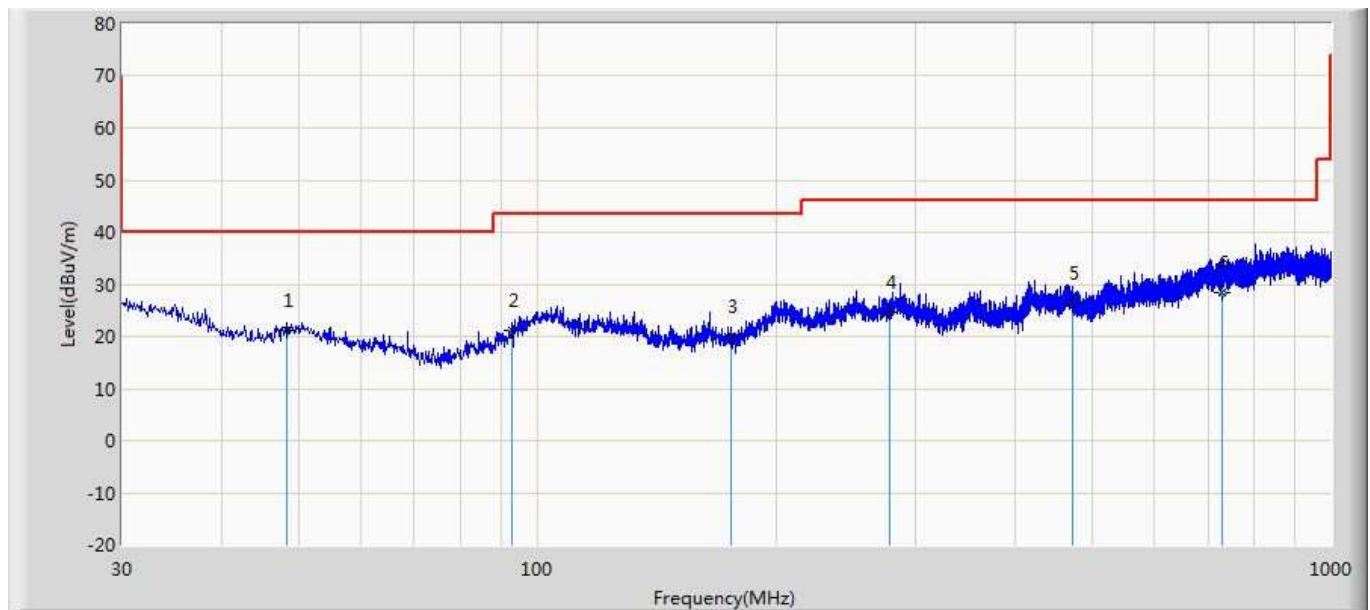


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	39.821	24.133	1.788	-15.867	40.000	22.345	QP
2		65.041	12.598	2.585	-27.402	40.000	10.013	QP
3		103.599	18.594	1.757	-24.906	43.500	16.837	QP
4		154.645	17.025	0.148	-26.475	43.500	16.877	QP
5		262.194	18.301	-0.527	-27.699	46.000	18.829	QP
6		420.668	25.014	-2.070	-20.986	46.000	27.084	QP

**Note:**

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

Profile: 1	Page No.: 20
Engineer: Carlos shen	
Site: AC2	Time: 2021/11/27 - 06:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC2_3M(30-1000M)	Polarity: Vertical
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode1	



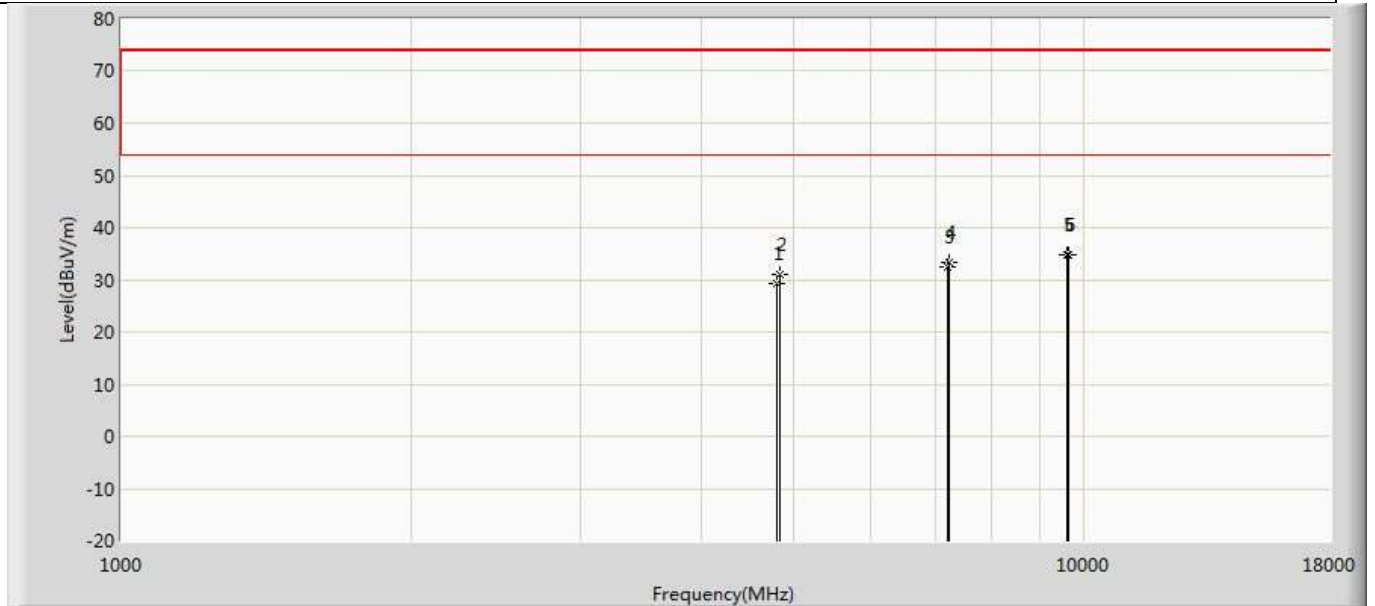
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		48.309	21.021	2.048	-18.979	40.000	18.973	QP
2		92.929	21.036	2.482	-22.464	43.500	18.554	QP
3		175.500	20.124	2.020	-23.376	43.500	18.104	QP
4		277.714	24.541	0.043	-21.459	46.000	24.497	QP
5		473.533	26.310	-0.032	-19.690	46.000	26.342	QP
6	*	730.825	28.546	-2.214	-17.454	46.000	30.761	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

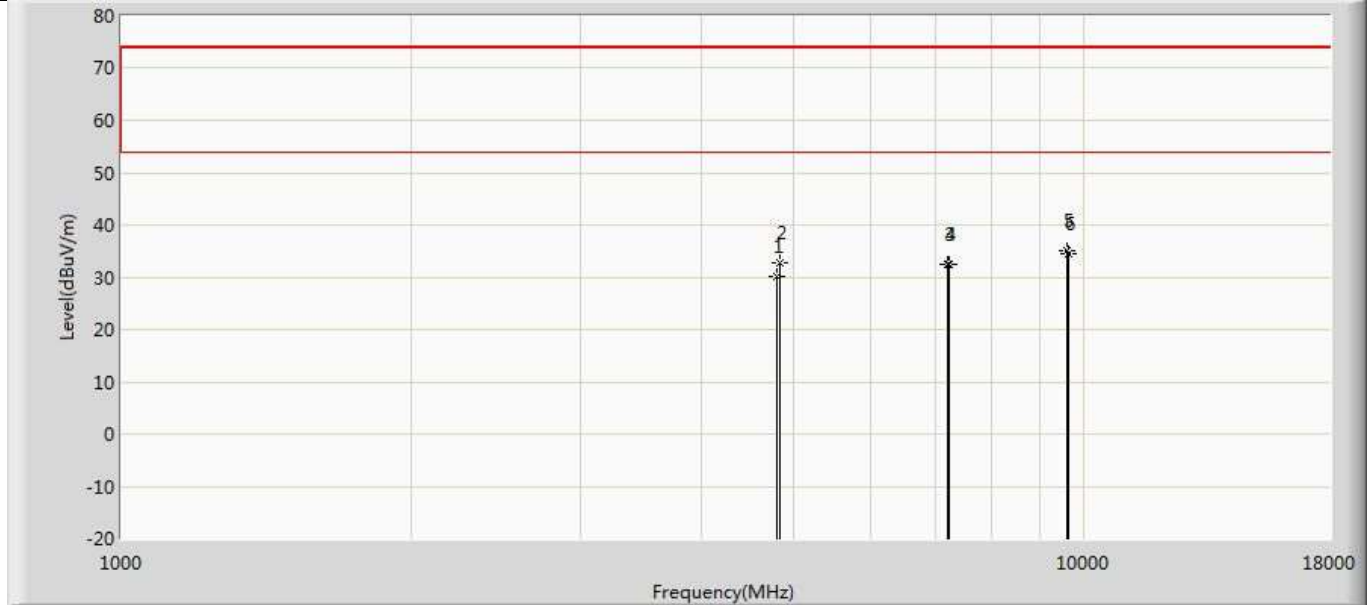
**The worst case of Simultaneous Radiated Emission:**

Profile: 21B0716 RSE	Page No.: 334
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 05:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 2402+2412MHz by BT+2.4G Wi-Fi	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	29.267	36.658	-44.733	74.000	-7.391	PK
2		4824.000	30.901	37.047	-43.099	74.000	-6.146	PK
3		7206.000	32.346	36.347	-41.654	74.000	-4.001	PK
4		7236.000	33.341	37.003	-40.659	74.000	-3.662	PK
5		9608.000	34.661	35.765	-39.339	74.000	-1.104	PK
6	*	9648.000	34.798	35.350	-39.202	74.000	-0.551	PK

Profile: 21B0716 RSE	Page No.: 335
Engineer: Carlosshen	
Site: AC5	Time: 2021/12/10 - 05:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: Touch All One Computer	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2402+2412MHz by BT+2.4G Wi-Fi	



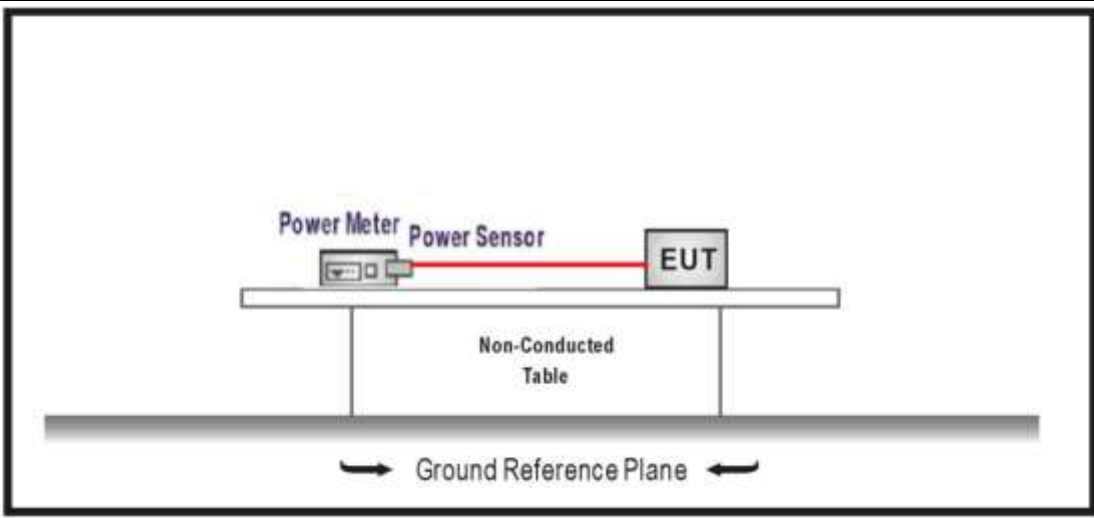
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	30.276	37.667	-43.724	74.000	-7.391	PK
2		4824.000	32.662	38.808	-41.338	74.000	-6.146	PK
3		7206.000	32.425	36.426	-41.575	74.000	-4.001	PK
4		7236.000	32.463	36.125	-41.537	74.000	-3.662	PK
5	*	9608.000	34.930	36.034	-39.070	74.000	-1.104	PK
6		9648.000	34.483	35.035	-39.517	74.000	-0.551	PK

<b>4.3 Peak Output Power</b>	<b>VERDICT: PASS</b>
------------------------------	----------------------

**4.3.1 Limit**

Standard	FCC Part 15 Subpart C Paragraph 15.247 (a)(1)
<input checked="" type="checkbox"/>	Frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.
<input checked="" type="checkbox"/>	Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.
<input type="checkbox"/>	For frequency hopping systems operating in the 902-928 MHz band: 1 watt for systems employing at least 50 hopping channels; and, 0.25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels

**4.3.2 Test Setup**





4.3.3 Test Procedure			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	7.8	Evaluation of frequency-hopping device parameters
	<input checked="" type="checkbox"/> ANSI C63.10	7.8.5	Output power test procedure for frequency-hopping spread-spectrum (FHSS) devices

#### 4.3.4 Test Data

Mode	Channel	Test Frequency (MHz)	Conducted Power (dBm)	Conducted Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
Mode 1	00	2402	6.32	≤30	9.08	≤36	Pass
	39	2441	6.98	≤30	9.74	≤36	Pass
	78	2480	6.91	≤30	9.67	≤36	Pass
Mode 2	00	2402	8.57	≤21	11.33	≤36	Pass
	39	2441	9.09	≤21	11.85	≤36	Pass
	78	2480	9.16	≤21	11.92	≤36	Pass
Mode 3	00	2402	8.61	≤21	11.37	≤36	Pass
	39	2441	9.30	≤21	12.06	≤36	Pass
	78	2480	9.25	≤21	12.01	≤36	Pass

---

## 5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

\_\_\_\_\_ The End \_\_\_\_\_