

FCC RF Test Report

APPLICANT	: ASUSTeK COMPUTER INC.
EQUIPMENT	: ASUS Phone
BRAND NAME	: ASUS
MODEL NAME	: ASUS_Z00TD
MARKETING NAME	: ZE551KL
FCC ID	: MSQZ00TD
STANDARD	: FCC Part 15 Subpart C §15.247
CLASSIFICATION	: (DTS) Digital Transmission System

The product was received on Aug. 05, 2015 and testing was completed on Sep. 01, 2015. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC. No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.

SPORTON INTERNATIONAL INC. TEL : 886-3-327-3456 FAX : 886-3-328-4978 FCC ID : MSQZ00TD

Page Number : 1 of 43 Report Issued Date : Sep. 17, 2015 Report Version : Rev. 02 Report Template No.: BU5-FR15CBT4.0 Version 1.0



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REVISION HISTORY

VERSION	DESCRIPTION	ISSUED DATE
Rev. 01	Initial issue of report	Sep. 16, 2015
Rev. 02	Adding loop antenna information in section 4	Sep. 17, 2015
	Rev. 01	Rev. 01 Initial issue of report



SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(2)	RSS-247 5.2(1)	6dB Bandwidth	≥ 0.5MHz	Pass	-
3.1	-	RSS-Gen 6.6	99% Bandwidth	-	Pass	-
3.2	15.247(b)(1)	RSS-247 A5.4(4)	Peak Output Power	≤ 30dBm	Pass	-
3.3	15.247(e)	RSS-247 5.2(2)	Power Spectral Density	≤ 8dBm/3kHz	Pass	-
3.4	15.247(d)	RSS-247 5.5	Conducted Band Edges and Spurious Emission	≤ 20dBc	Pass	-
3.5	15.247(d)	RSS-247 5.5	Radiated Band Edges and Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 11.64 dB at 44.850 MHz
3.6	15.207	RSS-GEN 8.8	AC Conducted Emission	15.207(a)	Pass	Under limit 12.20 dB at 0.398 MHz
3.7	15.203 & 15.247(b)	N/A	Antenna Requirement	N/A	Pass	-



1 General Description

1.1 Applicant

ASUSTeK COMPUTER INC.

4F, No. 150, LI-TE RD., PEITOU, TAIPEI, TAIWAN

1.2 Manufacturer

ASUSTeK COMPUTER INC.

4F, No. 150, LI-TE RD., PEITOU, TAIPEI, TAIWAN

1.3 Product Feature of Equipment Under Test

Product Feature			
Equipment	ASUS Phone		
Brand Name	ASUS		
Model Name	ASUS_Z00TD		
Marketing Name	ZE551KL		
FCC ID	MSQZ00TD		
	GSM/EGPRS/WCDMA/HSPA/LTE		
EUT supports Radios application	WLAN 11b/g/n HT20		
	Bluetooth v4.0 EDR/LE		
EUT Stage	Identical Prototype		

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification subjective to this standard

Product Specification subjective to this standard				
Tx/Rx Frequency Range	2402 MHz ~ 2480 MHz			
Number of Channels	40			
Carrier Frequency of Each Channel	40 Channel(37 hopping + 3 advertising channel)			
Maximum Output Power to Antenna	-1.21 dBm (0.0008 W)			
99% Occupied Bandwidth	1.054MHz			
Antenna Type	PIFA Antenna type with gain 0.85 dBi			
Type of Modulation	Bluetooth LE : GFSK			



1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.			
	No. 52, Hwa Ya 1 st Rd., H	Hwa Ya Technology Park,		
Test Site Location	Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.			
Test Site Location	TEL: +886-3-327-3456			
	FAX: +886-3-328-4978			
Test Offe Ne		Sporton Site No.		
Test Site No.	TH02-HY	CO05-HY	03CH07-HY	

Note: The test site complies with ANSI C63.4 2009 requirement.

1.7 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.247
- FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r03
- ANSI C63.10-2009

Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. FCC permits the use of the 1.5 meter table as an alternative in C63.10-2013 through inquiry tracking number 961829.



2 Test Configuration of Equipment Under Test

2.1 Descriptions of Test Mode

		Bluetooth 4.0 – LE RF Output Power
Channel	Frequency	Data Rate / Modulation
	Frequency	GFSK
		1Mbps
Ch00	2402MHz	-1.45 dBm
Ch19	2440MHz	<mark>-1.21</mark> dBm
Ch39	2480MHz	-1.71 dBm

The RF output power was recorded in the following table:

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). Pre-scanned tests, X, Y, Z in three orthogonal panels to determine the final configuration (Y plane as worst plane) from all possible combinations.

b. AC power line Conducted Emission was tested under maximum output power.



2.2 Test Mode

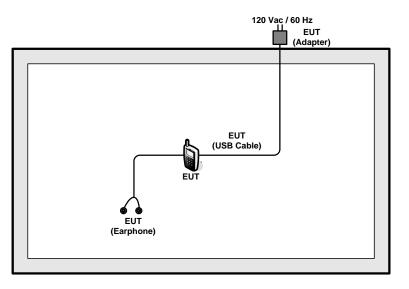
The following summary table is showing all test modes to demonstrate in compliance with the standard.

	Summary table of Test Cases					
Test Item	Data Rate / Modulation					
Test item	Bluetooth 4.0 – LE / GFSK					
Conducted	Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps					
TCs	Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps					
103	Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps					
Radiated	Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps					
TCs	Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps					
105	Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps					
AC						
Conducted	Mode 1: Bluetooth Link + WLAN Link + Earphone + Battery + MPEG4 + Adapter 3					
Emission						
Remark: All th	Remark: All the radiated test cases were performed with adapter 3.					

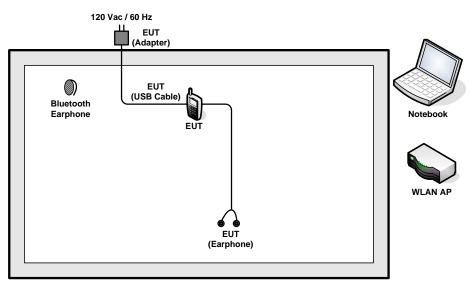


2.3 Connection Diagram of Test System

<Bluetooth 4.0 – LE Tx Mode>



<AC Conducted Emission Mode>





2.4 Support Unit used in test configuration and system

ltem	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Bluetooth Earphone SD Card	Sony Ericsson SanDisk	MW600 MicroSD HC	PY7DDA-2029		N/A N/A

2.5 EUT Operation Test Setup

For Bluetooth function, programmed RF utility, "QCRT" installed in the notebook make the EUT provide functions like channel selection and power level for continuous transmitting and receiving signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

 $Offset(dB) = RF \ cable \ loss(dB) + attenuator \ factor(dB).$ = 4.2 + 10 = 14.2 (dB)



3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

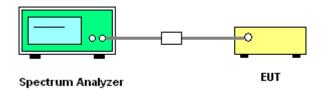
3.1.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.1.3 Test Procedures

- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r03.
- 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
- For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 30kHz and set the Video bandwidth (VBW) = 100kHz.
- 6. Measure and record the results in the test report.

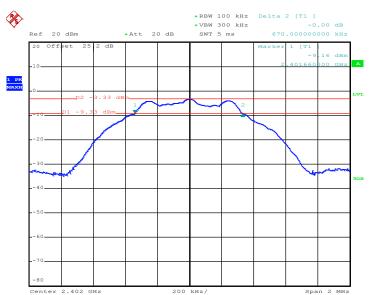
3.1.4 Test Setup





3.1.5 Test Result of 6dB Bandwidth

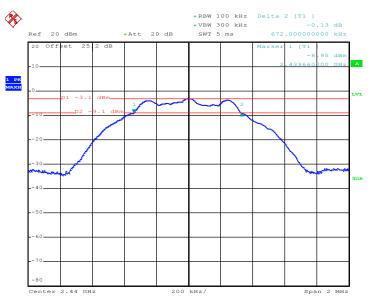
Test data refer to Appendix A.



6 dB Bandwidth Plot on Channel 00

Date: 17.AUG.2015 14:12:04





6 dB Bandwidth Plot on Channel 19

Date: 17.AUG.2015 14:16:24

× *RBW 100 kHz Delta 2 [T1] *VBW 300 kHz -0 SWT 5 ms 670.000000 -0.14 dB Ref 20 dBm •Att 20 dB 670.00000000 kHz 2.0 Of et Marke 1 PR 1 -4. dB Center 2.48 GHz 200 kHz/ Span 2 MH

6 dB Bandwidth Plot on Channel 39

Date: 17.AUG.2015 14:19:53

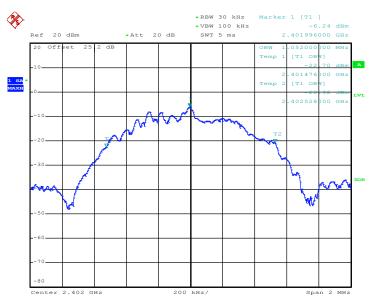
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3.1.6 Test Result of 99% Occupied Bandwidth

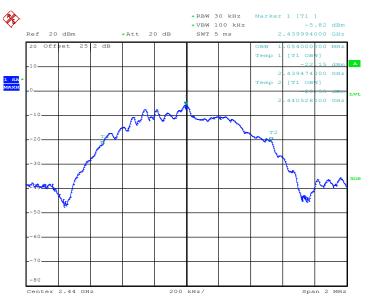
Test data refer to Appendix A.



99% Bandwidth Plot on Channel 00

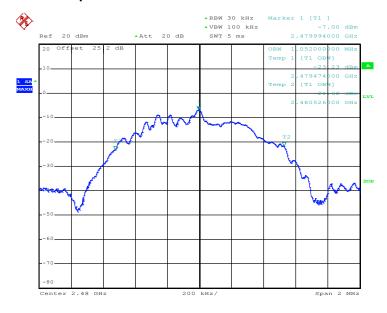
Date: 17.AUG.2015 14:26:07





99% Occupied Bandwidth Plot on Channel 19

Date: 17.AUG.2015 14:23:10



99% Occupied Bandwidth Plot on Channel 39

Date: 17.AUG.2015 14:22:38

Note : The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

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3.2 Peak Output Power Measurement

3.2.1 Limit of Peak Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm. If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

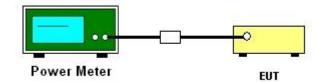
3.2.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.2.3 Test Procedures

- The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v03r03 section 9.1.2 PKPM1 Peak power meter method.
- 2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Peak Output Power

Test data refers to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.

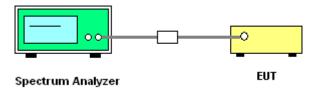
3.3.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.3.3 Test Procedures

- The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r03
- 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz.
 Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
- 5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
- 6. Measure and record the results in the test report.
- 7. The Measured power density (dBm)/ 100kHz is a reference level and used as 20dBc down limit line for Conducted Band Edges and Conducted Spurious Emission.

3.3.4 Test Setup

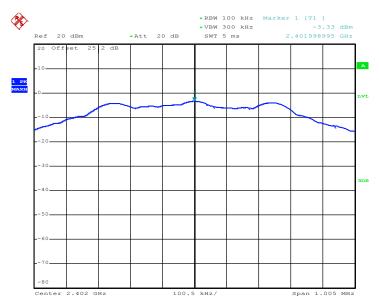




3.3.5 Test Result of Power Spectral Density

Test data refers to Appendix A.

3.3.6 Test Result of Power Spectral Density Plots (100kHz)

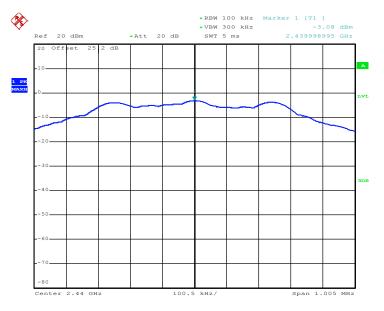


PSD 100kHz Plot on Channel 00

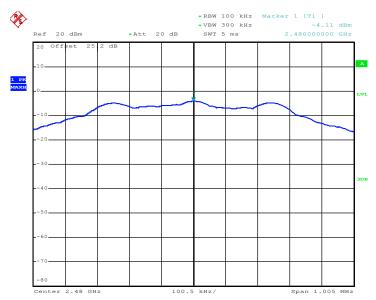
Date: 17.AUG.2015 14:12:41



PSD 100kHz Plot on Channel 19



Date: 17.AUG.2015 14:17:06



PSD 100kHz Plot on Channel 39

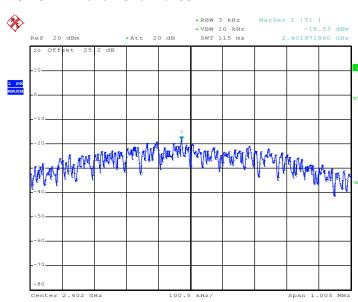
Date: 17.AUG.2015 14:20:32

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3.3.7 Test Result of Power Spectral Density Plots (3kHz)

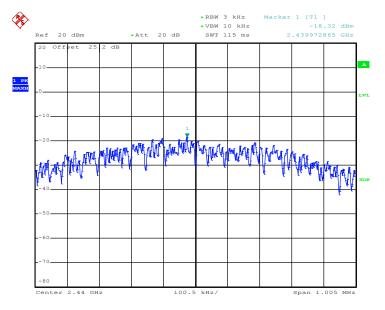


PSD 3kHz Plot on Channel 00

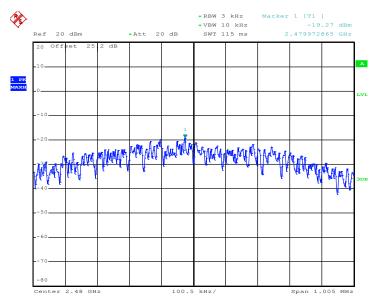
Date: 17.AUG.2015 14:12:21



PSD 3kHz Plot on Channel 19



Date: 17.AUG.2015 14:16:48



PSD 3kHz Plot on Channel 39

Date: 17.AUG.2015 14:20:13

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3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission

All harmonics/spurious must be at least 20 dB down from the highest emission level within the authorized band.

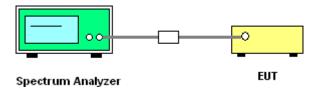
3.4.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.4.3 Test Procedure

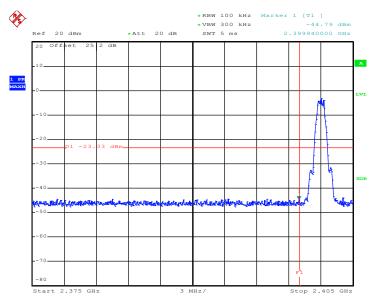
- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r03.
- 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
- 5. Measure and record the results in the test report.
- 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup





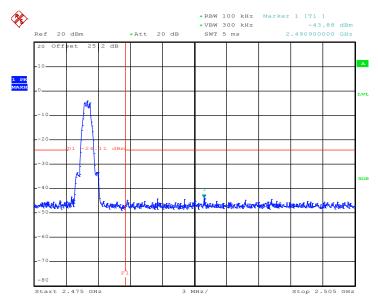
3.4.5 Test Result of Conducted Band Edges Plots



Low Band Edge Plot on Channel 00

Date: 17.AUG.2015 14:15:31





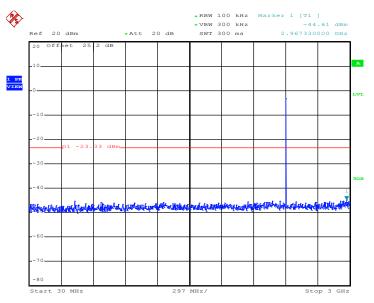
High Band Edge Plot on Channel 39

Date: 17.AUG.2015 14:21:30



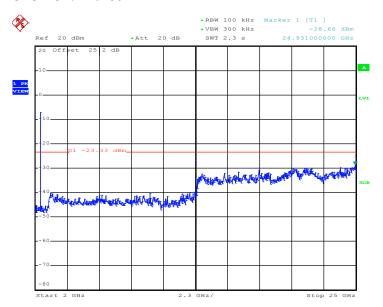
3.4.6 Test Result of Conducted Spurious Emission Plots

Conducted Spurious Emission Plot on Bluetooth LE 1Mbps GFSK Channel 00



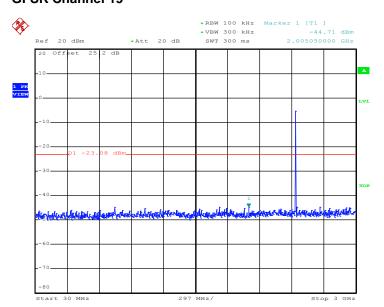
Date: 17.AUG.2015 14:13:19





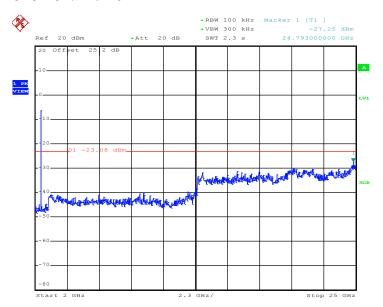
Date: 17.AUG.2015 14:13:27





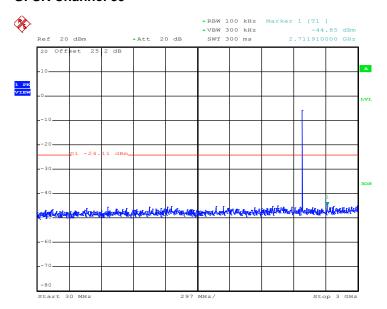
Date: 17.AUG.2015 14:18:15





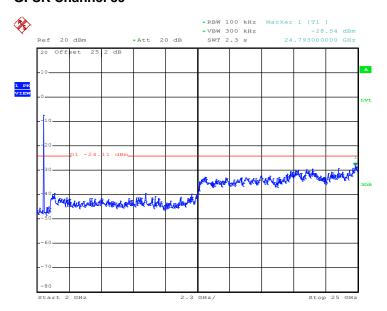
Date: 17.AUG.2015 14:18:23





Date: 17.AUG.2015 14:21:44





Date: 17.AUG.2015 14:21:52



3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the FCC section 15.209 limits as below.

Frequency	Field Strength	Measurement Distance	
(MHz)	(microvolts/meter)	(meters)	
0.009 - 0.490	2400/F(kHz)	300	
0.490 – 1.705	24000/F(kHz)	30	
1.705 – 30.0	30	30	
30 – 88	100	3	
88 – 216	150	3	
216 - 960	200	3	
Above 960	500	3	

3.5.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.



3.5.3 Test Procedures

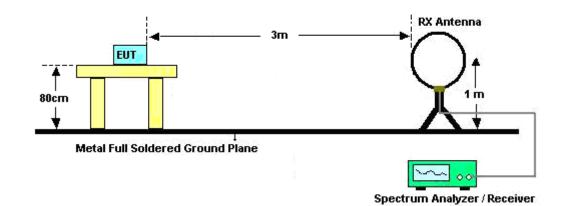
- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r03.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
- 3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level
- 6. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
- 7. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW= 3MHz for $f \ge 1$ GHz for peak measurement. For average measurement:
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Band	Duty Cycle(%)	T(µs)	1/T(kHz)	VBW Setting
Bluetooth 4.0 - LE	61.78	388	2.58	3kHz



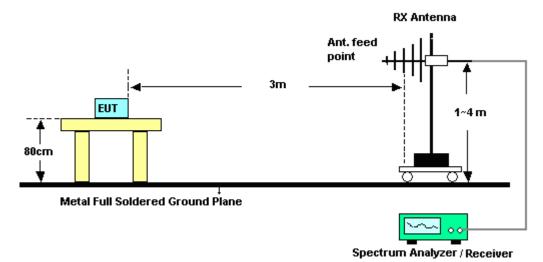
3.5.4 Test Setup

For radiated emissions below 30MHz

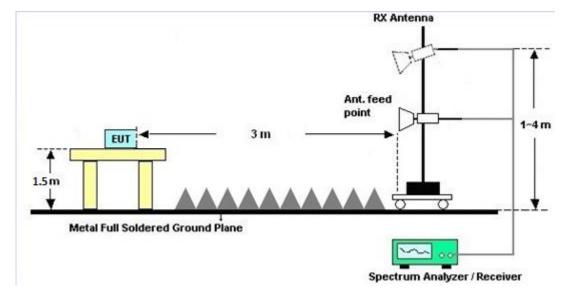




For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.5.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

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



3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B.

3.5.7 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix B.



3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBµV)				
Frequency of emission (MHZ)	Quasi-peak	Average			
0.15-0.5	66 to 56*	56 to 46*			
0.5-5	56	46			
5-30	60	50			

*Decreases with the logarithm of the frequency.

3.6.2 Measuring Instruments

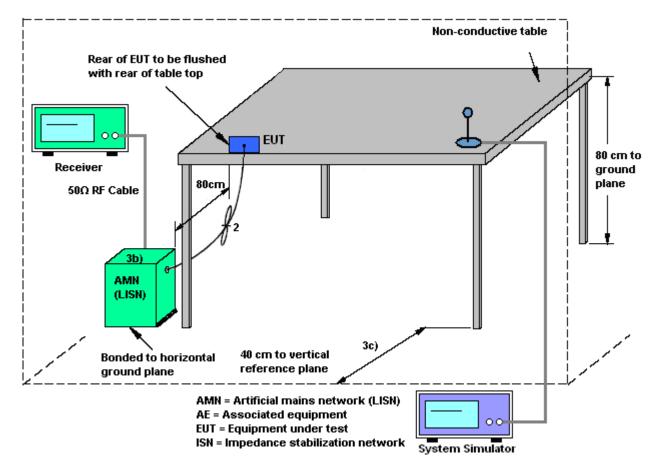
The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.6.3 Test Procedures

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.



3.6.4 Test Setup

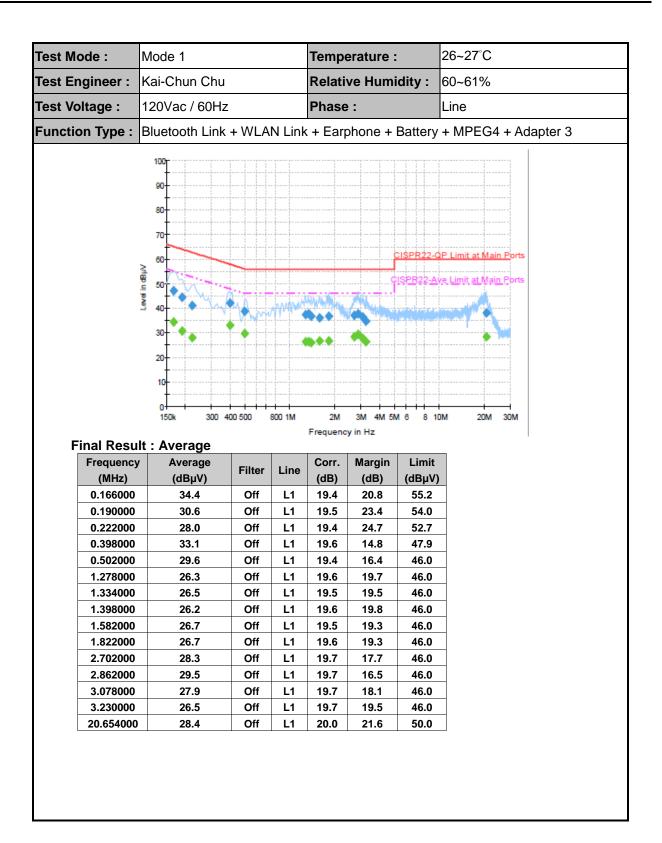




3.6.5 Test Result of AC Conducted Emission

st Mode :	Mode 1			Temperature :		26~27° ∁		
st Engineer :	Kai-Chun Chu			Relative Humidity :			60~61%	
st Voltage :	120Vac / 60Hz		Phase :			Line		
nction Type :	Bluetooth Link + WLAN Link			+ Earphone + Battery		+ MPEG4 ·	+ Adapter 3	
	100 90- 80- 70- 60- 90- 80- 70- 60- 90- 80- 80- 80- 80- 80- 80- 80- 80- 80- 8		- menur				IP Limit at Main J ve Limit at Main f	
	10		B00 1M	2M Frequenc	3M 4M 5M y in Hz	4 6 8 10	DM 20M 3	-i BOM
	150k 300 44		800 1M		y in Hz	16 8 10	DM 20M 3	H SOM
Frequency	It : Quasi-Peak		800 1M	Frequence Corr.	y in Hz Margin	Limit		н ЮМ
Frequency (MHz)	It : Quasi-Peak Quasi-Peak (dBµV)	Filter	Line	Frequenc Corr. (dB)	y in Hz Margin (dB)	Limit (dBµV)		H KOM
Frequency (MHz) 0.166000	t : Quasi-Peak Quasi-Peak (dBμV) 47.1	Filter Off	Line L1	Frequence Corr. (dB) 19.4	y in Hz Margin (dB) 18.1	Limit (dBµV) 65.2		H SOM
Frequency (MHz) 0.166000 0.190000	It : Quasi-Peak Quasi-Peak (dBµV) 47.1 44.4	Filter Off Off	Line L1 L1	Frequence Corr. (dB) 19.4 19.5	y in Hz Margin (dB) 18.1 19.6	Limit (dBµV) 65.2 64.0		н ЮМ
Frequency (MHz) 0.166000 0.190000 0.222000	t : Quasi-Peak Quasi-Peak (dBμV) 47.1 44.4 41.2	Filter Off Off Off	Line L1 L1 L1	Frequenc (dB) 19.4 19.5 19.4	y in Hz Margin (dB) 18.1 19.6 21.5	Limit (dBµV) 65.2 64.0 62.7		H KOM
Frequency (MHz) 0.166000 0.190000 0.222000 0.398000	t : Quasi-Peak Quasi-Peak (dBμV) 47.1 44.4 41.2 42.1	Filter Off Off Off Off	Line L1 L1 L1 L1	Frequenc (dB) 19.4 19.5 19.4 19.6	y in Hz Margin (dB) 18.1 19.6 21.5 15.8	Limit (dBµV) 65.2 64.0 62.7 57.9		H KOM
Frequency (MHz) 0.166000 0.190000 0.222000 0.398000 0.502000	It : Quasi-Peak (dBµV) 47.1 44.4 41.2 42.1 38.7	Filter Off Off Off Off Off	Line L1 L1 L1 L1 L1 L1	Corr. (dB) 19.4 19.5 19.4 19.6	y in Hz Margin (dB) 18.1 19.6 21.5 15.8 17.3	Limit (dBµV) 65.2 64.0 62.7 57.9 56.0		H SOM
Frequency (MHz) 0.166000 0.190000 0.222000 0.398000 0.502000 1.278000	It : Quasi-Peak Quasi-Peak (dBµV) 47.1 44.4 41.2 42.1 38.7 37.3	Filter Off Off Off Off Off Off	Line L1 L1 L1 L1 L1 L1 L1	Frequence (dB) 19.4 19.5 19.4 19.6 19.4 19.6	y in Hz Margin (dB) 18.1 19.6 21.5 15.8 17.3 18.7	Limit (dBµV) 65.2 64.0 62.7 57.9 56.0 56.0		
Frequency (MHz) 0.166000 0.190000 0.222000 0.398000 0.502000 1.278000 1.334000	t : Quasi-Peak Quasi-Peak (dBμV) 47.1 44.4 41.2 42.1 38.7 37.3 38.0	Filter Off Off Off Off Off Off Off	Line L1 L1 L1 L1 L1 L1 L1 L1	Frequence (dB) 19.4 19.5 19.4 19.6 19.4 19.6 19.4 19.6 19.5	y in Hz Margin (dB) 18.1 19.6 21.5 15.8 17.3 18.7 18.0	Limit (dBµV) 65.2 64.0 62.7 57.9 56.0 56.0 56.0		H KOM
Frequency (MHz) 0.166000 0.190000 0.222000 0.398000 0.502000 1.278000 1.334000 1.398000	t : Quasi-Peak Quasi-Peak (dBμV) 47.1 44.4 41.2 42.1 38.7 37.3 38.0 36.7	Filter Off Off Off Off Off Off Off	Line L1 L1 L1 L1 L1 L1 L1 L1 L1	Frequence (dB) 19.4 19.5 19.4 19.6 19.4 19.6 19.5 19.6	y in Hz Margin (dB) 18.1 19.6 21.5 15.8 17.3 18.7 18.0 19.3	Limit (dBµV) 65.2 64.0 62.7 57.9 56.0 56.0 56.0 56.0		H KOM
Frequency (MHz) 0.166000 0.190000 0.222000 0.398000 0.502000 1.278000 1.334000 1.398000 1.582000	It : Quasi-Peak (dBμV) 47.1 44.4 41.2 42.1 38.7 37.3 38.0 36.7 36.1	Filter Off Off Off Off Off Off Off Off Off	Line L1 L1 L1 L1 L1 L1 L1 L1 L1 L1	Frequence (dB) 19.4 19.5 19.4 19.6 19.4 19.6 19.5 19.6 19.5	y in Hz Margin (dB) 18.1 19.6 21.5 15.8 17.3 18.7 18.0 19.3 19.9	Limit (dBµV) 65.2 64.0 62.7 57.9 56.0 56.0 56.0 56.0 56.0		H KOM
Frequency (MHz) 0.166000 0.190000 0.222000 0.398000 0.502000 1.278000 1.334000 1.398000 1.582000 1.822000	It : Quasi-Peak (dBµV) 47.1 44.4 41.2 42.1 38.7 37.3 38.0 36.7 36.1 36.8	Filter Off Off Off Off Off Off Off Off Off Of	Line L1 L1 L1 L1 L1 L1 L1 L1 L1 L1 L1	Frequence (dB) 19.4 19.5 19.4 19.6 19.4 19.6 19.5 19.6 19.5 19.6	y in Hz Margin (dB) 18.1 19.6 21.5 15.8 17.3 18.7 18.0 19.3 19.9 19.2	Limit (dBµV) 65.2 64.0 62.7 57.9 56.0 56.0 56.0 56.0 56.0 56.0		H SOM
Frequency (MHz) 0.166000 0.190000 0.222000 0.398000 0.502000 1.278000 1.334000 1.382000 1.582000 2.702000	It : Quasi-Peak Quasi-Peak (dBµV) 47.1 44.4 41.2 42.1 38.7 37.3 38.0 36.1 36.8 37.2	Filter Off Off Off Off Off Off Off Off Off Of	Line L1 L1 L1 L1 L1 L1 L1 L1 L1 L1 L1 L1	Frequence (dB) 19.4 19.5 19.4 19.6 19.4 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.7	y in Hz Margin (dB) 18.1 19.6 21.5 15.8 17.3 18.7 18.0 19.3 19.9 19.2 18.8	Limit (dBµV) 65.2 64.0 62.7 57.9 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0		H SOM
Frequency (MHz) 0.166000 0.190000 0.222000 0.398000 0.502000 1.278000 1.334000 1.398000 1.582000 2.702000 2.862000	It : Quasi-Peak (dBμV) 47.1 44.4 41.2 42.1 38.7 37.3 38.0 36.7 36.1 36.8 37.2 37.6	Filter Off Off Off Off Off Off Off Off Off Of	Line L1 L1 L1 L1 L1 L1 L1 L1 L1 L1 L1 L1 L1	Frequence (dB) 19.4 19.5 19.4 19.6 19.4 19.6 19.5 19.6 19.5 19.6 19.7 19.7	y in Hz Margin (dB) 18.1 19.6 21.5 15.8 17.3 18.7 18.0 19.3 19.9 19.2 18.8 18.4	Limit (dBµV) 65.2 64.0 62.7 57.9 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0		H SOM
Frequency (MHz) 0.166000 0.190000 0.222000 0.398000 0.502000 1.278000 1.334000 1.382000 1.582000 2.702000	It : Quasi-Peak Quasi-Peak (dBµV) 47.1 44.4 41.2 42.1 38.7 37.3 38.0 36.1 36.8 37.2	Filter Off Off Off Off Off Off Off Off Off Of	Line L1 L1 L1 L1 L1 L1 L1 L1 L1 L1 L1 L1	Frequence (dB) 19.4 19.5 19.4 19.6 19.4 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.7	y in Hz Margin (dB) 18.1 19.6 21.5 15.8 17.3 18.7 18.0 19.3 19.9 19.2 18.8	Limit (dBµV) 65.2 64.0 62.7 57.9 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0		H KOM







Mode :	Mode 1			Temperature :			26~27°C	
Engineer :	Kai-Chun Chu			Relative Humidity :			60~61%	
Voltage :	120Vac / 60Hz			Phase :			Neutral	
ction Type :	Bluetooth Link + WLAN Link			+ Earphone + Batterv		Battery	+ MPEG4 + Adapter 3	
	90 80 70 60 50 40 30 20 10					15PR22-0	2P Limit at Main Ports	
	0 150k 300 4	00 500	800 1M	2M	3M 4M 5M	16 8 1	DM 20M 30M	
_	· · · · · ·	00 500	800 1M	2M Frequenc		1 i i 1 6 8 11	DM 20M 30M	
	150k 300 4		800 1M	Frequenc	y in Hz		DM 20M 30M	
Frequency	150k 300 4		800 1M	Frequence Corr.	y in Hz Margin	Limit		
Frequency (MHz)	It : Quasi-Peak Quasi-Peak (dBµV)	Filter	Line	Frequence Corr. (dB)	y in Hz Margin (dB)	Limit (dBµV)		
Frequency (MHz) 0.174000	It : Quasi-Peak Quasi-Peak (dBµV) 45.3	Filter	Line N	Corr. (dB) 19.5	Margin (dB) 19.5	Limit (dBµV) 64.8		
Frequency (MHz) 0.174000 0.398000	150k 300 4 It : Quasi-Peak / Quasi-Peak (dBμV) 45.3 41.0	Filter Off Off	Line N N	Frequence (dB) 19.5 19.6	Margin (dB) 19.5 16.9	Limit (dBµV) 64.8 57.9		
Frequency (MHz) 0.174000 0.398000 0.454000	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1	Filter Off Off Off	Line N N N	Corr. (dB) 19.5 19.6 19.4	Margin (dB) 19.5 16.9 18.7	Limit (dBµV) 64.8 57.9 56.8		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000	150k 300 4 It: Quasi-Peak Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 37.5 37.5	Filter Off Off Off Off	Line N N N	Corr. (dB) 19.5 19.6 19.4 19.4	Margin (dB) 19.5 16.9 18.7 18.5	Limit (dBµV) 64.8 57.9 56.8 56.0		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000	150k 300 4 It: Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8	Filter Off Off Off Off Off	Line N N N N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4	Margin (dB) 19.5 16.9 18.7 18.5 24.2	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0	Filter Off Off Off Off Off Off	Line N N N N N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.6	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000 4.406000	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3	Filter Off Off Off Off Off Off Off	Line N N N N N N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.7 19.7	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0 27.7	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0 56.0		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3	Filter Off Off Off Off Off Off	Line N N N N N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.6	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000 4.406000 20.342000	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3	Filter Off Off Off Off Off Off Off	Line N N N N N N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.7 19.7	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0 27.7	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0 56.0		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000 4.406000 20.342000	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3 35.1 It : Average	Filter Off Off Off Off Off Off Off Off	Line N N N N N N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.7 19.7	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0 27.7	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0 56.0		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000 4.406000 20.342000 Final Resu	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3 35.1 It : Average	Filter Off Off Off Off Off Off Off	Line N N N N N N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.6 19.7 19.7 20.1	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0 27.7 24.9	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0 56.0 60.0		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000 4.406000 20.342000 Final Resu	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3 35.1 It : Average /	Filter Off Off Off Off Off Off Off Off	Line N N N N N N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.7 19.7 20.1	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0 27.7 24.9 Margin	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0 56.0 56.0 60.0		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000 4.406000 20.342000 Final Resu Frequency (MHz)	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3 35.1 It : Average (dBμV)	Filter Off Off Off Off Off Off Off Off Filter	Line N N N N N N N Line	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.7 19.7 20.1 Corr. (dB)	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0 27.7 24.9 Margin (dB)	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0 56.0 60.0 Limit (dBµV)		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000 4.406000 20.342000 Final Resu Frequency (MHz) 0.174000	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3 35.1 It : Average (dBμV) 32.5	Filter Off Off Off Off Off Off Off Off Filter	Line N N N N N N N Line N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.7 20.1 Corr. (dB) 19.5	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0 27.7 24.9 Margin (dB) 22.3	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0 56.0 60.0 Limit (dBµV) 54.8		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000 4.406000 20.342000 Final Resu Frequency (MHz) 0.174000 0.398000	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3 35.1 It : Average (dBμV) 4verage (dBμV) 32.5 35.7 32.5	Filter Off Off Off Off Off Off Off Off Off Filter Off Off Off Off	Line N N N N N N N Line N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.7 19.7 20.1 Corr. (dB) 19.5 19.6	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0 27.7 24.9 Margin (dB) 22.3 12.2	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0 56.0 60.0 Limit (dBµV) 54.8 47.9		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000 4.406000 20.342000 Final Resu Frequency (MHz) 0.174000 0.398000 0.454000	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3 35.1 It : Average (dBμV) 32.5 35.7 32.5	Filter Off Off Off Off Off Off Off Off Off Filter Off Off Off Off Off Off Off Off Off	Line N N N N N N N Line N N N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.7 19.7 20.1 Corr. (dB) 19.5 19.6 19.4	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0 27.7 24.9 Margin (dB) 22.3 12.2 14.3	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0 56.0 60.0 Limit (dBµV) 54.8 47.9 46.8		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000 4.406000 20.342000 Final Resu Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3 35.1 It : Average (dBμV) 32.5 35.7 32.5 31.4	Filter Off Off Off Off Off Off Off Filter Off Off Off Off Off	Line N N N N N N N Line N N N N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.7 19.7 20.1 20.1 Corr. (dB) 19.5 19.6 19.4 19.4	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0 27.7 24.9 Margin (dB) 22.3 12.2 14.3 14.6 23.2	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0 56.0 60.0 Limit (dBµV) 54.8 47.9 46.8 46.0		
Frequency (MHz) 0.174000 0.398000 0.454000 0.502000 1.838000 2.710000 4.406000 20.342000 Final Resu Frequency (MHz) 0.174000 0.398000 0.454000 0.502000	150k 300 4 It : Quasi-Peak (dBμV) 45.3 41.0 38.1 37.5 31.8 34.0 28.3 35.1 It : Average (dBμV) 32.5 35.7 32.5 31.4 22.8 25.6	Filter Off Off Off Off Off Off Off Off Off Of	Line N N N N N N N Line N N N N N N	Frequence (dB) 19.5 19.6 19.4 19.4 19.4 19.7 20.1 20.1 Corr. (dB) 19.5 19.6 19.4 19.4 19.4 19.4	Margin (dB) 19.5 16.9 18.7 18.5 24.2 22.0 27.7 24.9 Margin (dB) 22.3 12.2 14.3 14.6	Limit (dBµV) 64.8 57.9 56.8 56.0 56.0 56.0 56.0 60.0 Limit (dBµV) 54.8 47.9 46.8 46.0 46.0		



3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34897199	N/A	May. 04, 2015	Aug. 14, 2015~ Aug. 17, 2015	May. 03, 2016	Conducted (TH02-HY)
Power Meter	Agilent	E4416A	GB412923 44	300MHz~40GH z	Jan. 14, 2015	Aug. 14, 2015~ Aug. 17, 2015	Jan. 13, 2016	Conducted (TH02-HY)
Power Sensor	Agilent	E9327A	US404415 48	300MHz~40GH z	Jan. 14, 2015	Aug. 14, 2015~ Aug. 17, 2015	Jan. 13, 2016	Conducted (TH02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz~40GHz	Jun. 18, 2015	Aug. 14, 2015~ Aug. 17, 2015	Jun. 17, 2016	Conducted (TH02-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Feb. 02, 2015	Aug. 25, 2015~ Aug. 27, 2015	Feb. 01, 2016	Radiation (03CH07-HY)
Bilog Antenna	Schaffner	CBL6111C	2726	30MHz ~ 1GHz	Sep. 27, 2014	Aug. 25, 2015~ Aug. 27, 2015	Sep. 26, 2015	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Aug. 21, 2015	Aug. 25, 2015~ Aug. 27, 2015	Aug. 20, 2016	Radiation (03CH07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2014	Aug. 25, 2015~ Aug. 27, 2015	Aug. 29, 2015	Radiation (03CH07-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Nov. 03, 2014	Aug. 25, 2015~ Aug. 27, 2015	Nov. 02, 2015	Radiation (03CH07-HY)
Hygrometer	Testo	608-H1	34897197	N/A	May. 04, 2015	Aug. 25, 2015~ Aug. 27, 2015	May. 03, 2016	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz ~ 18GHz	Apr. 20, 2015	Aug. 25, 2015~ Aug. 27, 2015	Apr. 19, 2016	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz-1000MH z	Mar. 12, 2015	Aug. 25, 2015~ Aug. 27, 2015	Mar. 11, 2016	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A023 62	1GHz~ 26.5GHz	Oct. 21, 2014	Aug. 25, 2015~ Aug. 27, 2015	Oct. 20, 2015	Radiation (03CH07-HY)
Signal Analyzer	Rohde & Schwarz	FSV 30	101749	10Hz~30GHz	Mar. 10, 2015	Aug. 25, 2015~ Aug. 27, 2015	Mar. 09, 2016	Radiation (03CH07-HY)
Controller	ChainTek	Chaintek 3000	N/A	Control Turn table	N/A	Aug. 25, 2015~ Aug. 27, 2015	N/A	Radiation (03CH07-HY)
Controller	Max-Full	MF7802	MF780208 368	Control Ant Mast	N/A	Aug. 25, 2015~ Aug. 27, 2015	N/A	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Aug. 25, 2015~ Aug. 27, 2015	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 degree	N/A	Aug. 25, 2015~ Aug. 27, 2015	N/A	Radiation (03CH07-HY)
Preamplifier	MITEQ	JS44-180040 00-33-8P	1840917	18GHz ~ 40GHz	Jun. 02, 2015	Aug. 25, 2015~ Aug. 27, 2015	Jun. 01, 2016	Radiation (03CH07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100356	9kHz – 2.75GHz	Dec. 01, 2014	Sep. 01, 2015	Nov. 30, 2015	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Apr. 20, 2015	Sep. 01, 2015	Apr. 19, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2014	Sep. 01, 2015	Dec. 01, 2015	Conduction (CO05-HY)
AC Power Source()	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 01, 2015	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 07, 2015	Sep. 01, 2015	Jan. 06, 2016	Conduction (CO05-HY)

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5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence	2.26
of 95% (U = 2Uc(y))	2.20

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence	4.50
of 95% (U = 2Uc(y))	4.50



Appendix A. Conducted Test Results