



Radio Test Report

FCC ID:2BPWS-T60

IC:33471-T60

Original Grant

Report No.	:	TBR-C-202508-0142-32
Applicant	:	Shenzhen Baijin Technology Co., Ltd
Equipment Under Test (EUT)		
EUT Name	:	Tablet PC
Model No.	:	T60
HVIN	:	T60
Series Model No.	:	----
Brand Name	:	----
Sample ID	:	HC-C-202508-0142-02-02# & HC-C-202508-0142-02-03#
Receipt Date	:	2025-09-25
Test Date	:	2025-09-25 to 2025-12-25
Issue Date	:	2025-12-25
Standards	:	FCC Part 15 Subpart C 15.247 RSS 247 Issue 4 July 2025 RSS-Gen Issue 5 April 2018+Amendment 1 (March 2019)+Amendment 2 (February 2021)
Test Method	:	ANSI C63.10: 2020+Cor.1:2023+C63.10a: 2024+Errata to C63.10a: 2024 KDB 558074 D01 15.247 Meas Guidance v05r02
Conclusions	:	PASS
In the configuration tested, the EUT complied with the standards specified above.		

Test By	:	Rick Chen
Reviewed By	:	Camille Li
Approved By	:	Ivan Su



This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

Contents

CONTENTS	2
1. GENERAL INFORMATION ABOUT EUT	5
1.1 Client Information	5
1.2 General Description of EUT (Equipment Under Test)	5
1.3 Block Diagram Showing the Configuration of System Tested	6
1.4 Description of Support Units	7
1.5 Description of Test Mode	8
1.6 Description of Test Software Setting	9
1.7 Measurement Uncertainty	10
1.8 Test Facility	11
2. TEST SUMMARY	12
3. TEST SOFTWARE	12
4. TEST EQUIPMENT AND TEST SITE	13
5. CONDUCTED EMISSION TEST	14
5.1 Test Standard and Limit	14
5.2 Test Setup	14
5.3 Test Procedure	14
5.4 Deviation From Test Standard	14
5.5 EUT Operating Mode	15
5.6 Test Data	15
6. RADIATED AND CONDUCTED UNWANTED EMISSIONS	16
6.1 Test Standard and Limit	16
6.2 Test Setup	17
6.3 Test Procedure	18
6.4 Deviation From Test Standard	19
6.5 EUT Operating Mode	19
6.6 Test Data	19
7. RESTRICTED BANDS AND BAND EDGE REQUIREMENT	20
7.1 Test Standard and Limit	20
7.2 Test Setup	20
7.3 Test Procedure	21
7.4 Deviation From Test Standard	22
7.5 EUT Operating Mode	22
7.6 Test Data	22
8. BANDWIDTH TEST	23
8.1 Test Standard and Limit	23
8.2 Test Setup	23
8.3 Test Procedure	23
8.4 Deviation From Test Standard	24
8.5 EUT Operating Mode	24
8.6 Test Data	24



9.	RF OUTPUT POWER	25
9.1	Test Standard and Limit	25
9.2	Test Setup.....	25
9.3	Test Procedure	25
9.4	Deviation From Test Standard.....	25
9.5	EUT Operating Mode	25
9.6	Test Data.....	25
10.	POWER SPECTRAL DENSITY	26
10.1	Test Standard and Limit	26
10.2	Test Setup	26
10.3	Test Procedure	26
10.4	Deviation From Test Standard	27
10.5	Antenna Connected Construction.....	27
10.6	Test Data	27
11.	ANTENNA REQUIREMENT	28
11.1	Test Standard and Limit	28
11.2	Deviation From Test Standard	28
11.3	Antenna Connected Construction.....	28
11.4	Test Data	28
12.	DUTY CYCLE.....	29
12.1	Test Standard and Limit	29
12.2	Test Setup	29
12.3	Test Procedure	29
12.4	Deviation From Test Standard	29
12.5	Antenna Connected Construction.....	29
12.6	Test Data	29
	ATTACHMENT A--CONDUCTED EMISSION TEST DATA.....	30
	ATTACHMENT B--UNWANTED EMISSIONS DATA.....	32
	ATTACHMENT C--RESTRICTED BANDS DATA.....	46



Revision History

Report No.	Version	Description	Issued Date
TBR-C-202508-0142-32	Rev.01	Initial issue of report	2025-12-25



1. General Information about EUT

1.1 Client Information

Applicant	:	Shenzhen Baijin Technology Co., Ltd
Address	:	C203-J2, Bldg C, No.19 Yinzhu Rd, Nanlian Comm, Longgang St, Longgang Dist, Shenzhen, China
Manufacturer	:	Shenzhen Baijin Technology Co., Ltd
Address	:	C203-J2, Bldg C, No.19 Yinzhu Rd, Nanlian Comm, Longgang St, Longgang Dist, Shenzhen, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	Tablet PC	
Models No.	:	T60	
Model Different	:	----	
Product Description	:	Operation Frequency:	2412MHz~2462MHz
		Number of Channel:	11 channels
		Antenna Gain:	1.07dBi FPC Antenna
		Modulation Type:	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK,16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK,16QAM, 64QAM)
Power Rating	:	Input: 9V $\overline{\sim}$ 2.0A	
Li-ion Polymer Battery	:	DC 3.85V 10000mAh Rechargeable Li-ion battery	
Software Version	:	----	
Hardware Version	:	T30-T620-V2.0	
Remark:			
(1)The adapter provided by the TOBY ,the antenna gain from the manufacturer, the verified for the RF conduction test provided by TOBY test lab.The above antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.			

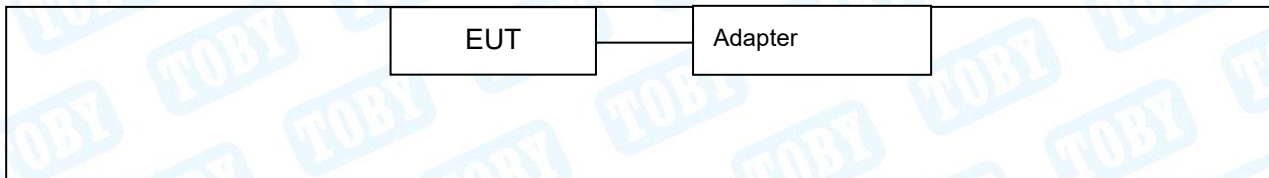


(2) Channel List:

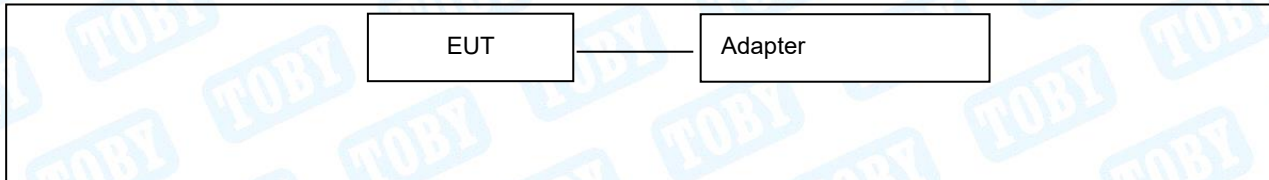
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		
Note: CH 01~CH 11 for 20MHz Bandwidth CH 03~CH 09 for 40MHz Bandwidth					

1.3 Block Diagram Showing the Configuration of System Tested

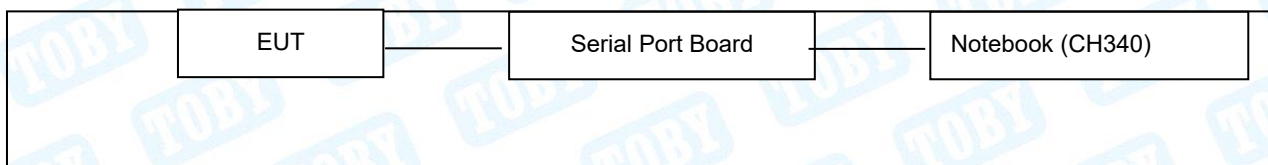
Conducted Test



Radiated Test



Conducted Measurements Test



1.4 Description of Support Units

Equipment Information				
Name	Model	S/N	Manufacturer	Used “√”
Notebook	HYLR-WFQ9	AAMFPM1418000165	Dell	√
Adapter	-----	-----	PINSEN	√
Serial Port Board	-----	-----	-----	√
Remark: Adapter and Notebook provided by the test lab.				



1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For Conducted Emission Test(AC POWER)	
Final Test Mode	Description
Mode 1	TX b Mode Channel 01
For Radiated and RF Conducted Test	
Final Test Mode	Description
Mode 2	TX Mode b Mode Channel 01/06/11
Mode 3	TX Mode g Mode Channel 01/06/11
Mode 4	TX Mode n(HT20) Mode Channel 01/06/11
Mode 5	TX Mode n(HT40) Mode Channel 01/06/11

Note:

- (1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:

802.11b Mode: CCK
802.11g Mode: OFDM
802.11n (HT20) Mode: MCS 0
802.11n (HT40) Mode: MCS 0

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a Mobile unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



1.6 Description of Test Software Setting

During testing channel& Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of RF setting.

Test Software: *##83781##*			
Test Mode: Continuously transmitting			
Mode	Data Rate	Channel	Parameters
			Ant
802.11b	CCK/ 1Mbps	01	15
	CCK/ 1Mbps	06	15
	CCK/ 1Mbps	11	15
802.11g	OFDM/ 6Mbps	01	12
	OFDM/ 6Mbps	06	12
	OFDM/ 6Mbps	11	12
802.11n(HT20)	MCS 0	01	10
	MCS 0	06	10
	MCS 0	11	10
802.11n(HT40)	MCS 0	03	8
	MCS 0	06	8
	MCS 0	09	8



1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U_{Lab})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	± 3.50 dB ± 3.10 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	± 4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	± 4.50 dB
Radiated Emission	Level Accuracy: Above 1000MHz	± 4.20 dB
RF Power-Conducted	Level Accuracy: Above 1000MHz	± 0.95 dB
Power Spectral Density-Conducted	Level Accuracy: Above 1000MHz	± 3 dB
Occupied Bandwidth	Level Accuracy: 30MHz to 1000 MHz Above 1000MHz	$\pm 3.8\%$
Unwanted Emission-Conducted	Level Accuracy: 30MHz to 1000 MHz Above 1000MHz	± 2.72 dB
Temperature	/	$\pm 0.6^{\circ}\text{C}$
Humidity	/	$\pm 4\%$
Supply voltages	/	$\pm 2\%$
Time	/	$\pm 4\%$



1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F., Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.



2. Test Summary

Standard Section		Test Item	Test Sample(s)	Judgment	Remark
FCC	IC				
FCC 15.207(a)	RSS-Gen 8.8	Conducted Emission	HC-C-202508-0142-02-03#	PASS	N/A
FCC 15.209 & 15.247(d)	RSS-Gen 8.9 & RSS 247 6.6	Radiated Unwanted Emissions	HC-C-202508-0142-02-03#	PASS	N/A
FCC 15.203	RSS-Gen 6.8	Antenna Requirement	HC-C-202508-0142-02-02#	PASS	N/A
FCC 15.247(a)(2)	RSS-247 6.3.1(a)	6dB Bandwidth	HC-C-202508-0142-02-02#	PASS	N/A
/	RSS-Gen 6.7	99% Occupied bandwidth	HC-C-202508-0142-02-02#	PASS	N/A
FCC 15.247(b)(3)	RSS-247 6.3.2	RF Output Power and E.I.R.P	HC-C-202508-0142-02-02#	PASS	N/A
FCC 15.247(e)	RSS-247 6.3.1(b)	Power Spectral Density	HC-C-202508-0142-02-02#	PASS	N/A
FCC 15.247(d)	RSS-Gen 8.10& RSS-247 6.6	Band Edge Measurements	HC-C-202508-0142-02-02#	PASS	N/A
FCC 15.207(a)	RSS-Gen 8.9 & RSS 247 6.6	Conducted Unwanted Emissions	HC-C-202508-0142-02-02#	PASS	N/A
FCC 15.247(d)	RSS-Gen 8.10& RSS-247 6.6	Emissions in Restricted Bands	HC-C-202508-0142-02-02#	PASS	N/A
/	/	On Time and Duty Cycle	HC-C-202508-0142-02-02#	/	N/A

Note: N/A is an abbreviation for Not Applicable.

3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE
Radiation Emission	EZ-EMC	EZ	FA-03A2RE+
RF Conducted Measurement	MTS-8310	MWRFTtest	V2.0.0.0
RF Test System	JS1120	Tonscend	V3.2.22



4. Test Equipment and Test Site

Test Site				
No.	Test Site	Manufacturer	Specification	Used
TB-EMCSR001	Shielding Chamber #1	YIHENG	7.5*4.0*3.0 (m)	√
TB-EMCSR002	Shielding Chamber #2	YIHENG	8.0*4.0*3.0 (m)	X
TB-EMCCA001	3m Anechoic Chamber #A	ETS	9.0*6.0*6.0 (m)	X
TB-EMCCB002	3m Anechoic Chamber #B	YIHENG	9.0*6.0*6.0 (m)	√

Conducted Emission Test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jun. 16, 2025	Jun. 15, 2026
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jun. 16, 2025	Jun. 15, 2026
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jun. 16, 2025	Jun. 15, 2026
LISN	Rohde & Schwarz	ENV216	101131	Jun. 16, 2025	Jun. 15, 2026

Radiation Emission Test(B Site)					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100060	Aug. 27, 2025	Aug. 26, 2026
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 16, 2025	Jun. 15, 2026
EMI Test Receiver	Rohde & Schwarz	ESU-8	100472/008	Feb. 20, 2025	Feb. 19, 2026
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Oct. 18, 2025	Oct. 17, 2027
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	Jun. 16, 2025	Jun. 15, 2026
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Feb. 27, 2024	Feb.26, 2026
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jun. 16, 2025	Jun. 15, 2026
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	Aug. 27, 2025	Aug. 26, 2026
HF Amplifier	Tonscend	TAP051845	AP21C806141	Aug. 27, 2025	Aug. 26, 2026
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Aug. 27, 2025	Aug. 26, 2026
Pre-amplifier	HP	8449B	3008A00849	Feb. 20, 2025	Feb. 19, 2026
Highpass Filter	CD	HPM-6.4/18G	---	N/A	N/A
Highpass Filter	CD	HPM-2.8/18G	---	N/A	N/A
Highpass Filter	XINBO	XBLBQ-HTA67(8-25G)	22052702-1	N/A	N/A

Antenna Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 16, 2025	Jun. 15, 2026
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Aug. 27, 2025	Aug. 26, 2026
Spectrum Analyzer	KEYSIGHT	N9020B	MY60110172	Aug. 27, 2025	Aug. 26, 2026
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO26	Aug. 27, 2025	Aug. 26, 2026
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO29	Aug. 27, 2025	Aug. 26, 2026
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO31	Aug. 27, 2025	Aug. 26, 2026
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO33	Aug. 27, 2025	Aug. 26, 2026
RF Control Unit	Tonsced	JS0806-2	21F8060439	Aug. 27, 2025	Aug. 26, 2026
Power Control Box	Tonsced	JS0806-4ADC	21C8060387	N/A	N/A



5.5 EUT Operating Mode

Please refer to the description of test mode.

5.6 Test Data

Please refer to the Attachment A inside test report.



6. Radiated and Conducted Unwanted Emissions

6.1 Test Standard and Limit

6.1.1 Test Standard

RSS-Gen 8.9 & RSS 247 6.6

FCC Part 15.209 & FCC Part 15.247(d)

6.1.2 Test Limit

General field strength limits at frequencies Below 30MHz			
Frequency (MHz)	Field Strength (μA/m)*	Field Strength (microvolt/meter)**	Measurement Distance (meters)
0.009~0.490	6.37/F (F in kHz)	2400/F(KHz)	300
0.490~1.705	63.7/F (F in kHz)	24000/F(KHz)	30
1.705~30.0	0.08	30	30

Note: 1, The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.
2, *is for RSS Standard, **is for FCC Standard.

General field strength limits at frequencies above 30 MHz		
Frequency (MHz)	Field strength (μV/m at 3 m)	Measurement Distance (meters)
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

General field strength limits at frequencies Above 1000MHz		
Frequency (MHz)	Distance of 3m (dBuV/m)	
	Peak	Average
Above 1000	74	54

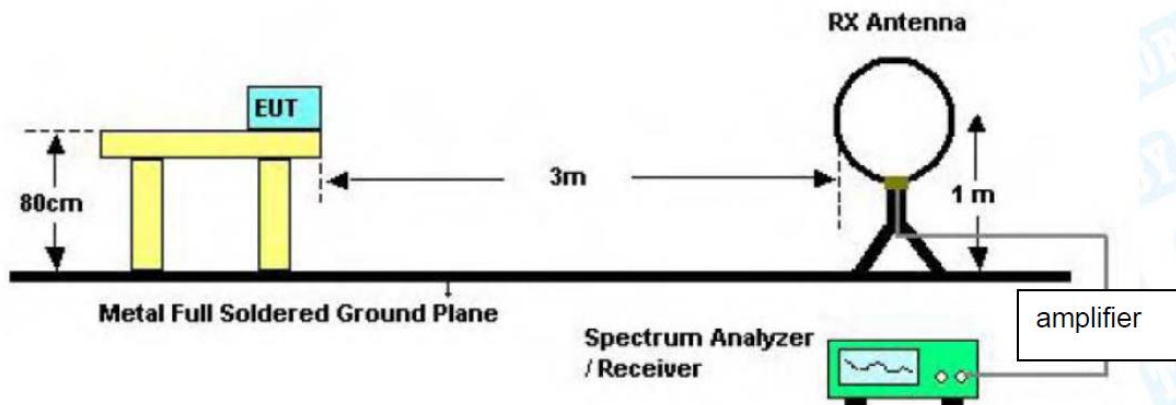
Note:
(1) The tighter limit applies at the band edges.
(2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum device, digitally modulated device, or hybrid system is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power – based on either an RF conducted or a radiated measurement – provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 6.3.2, the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

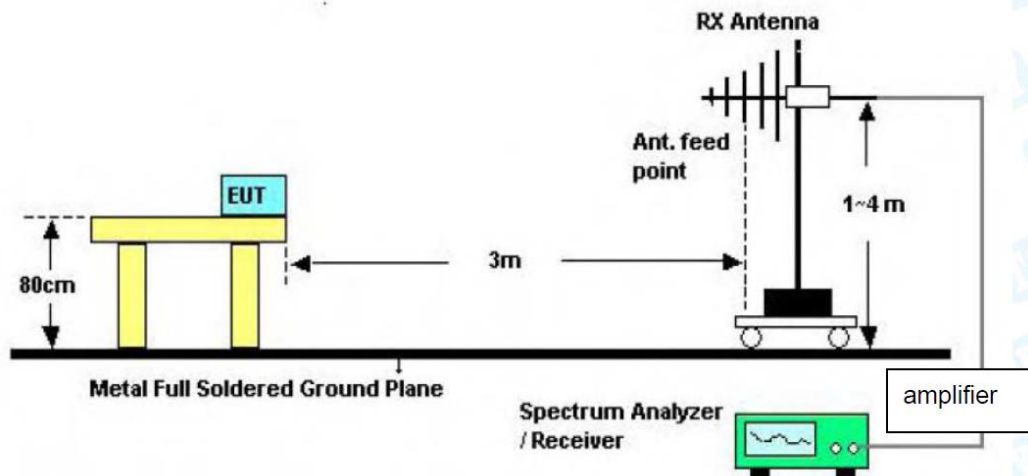


6.2 Test Setup

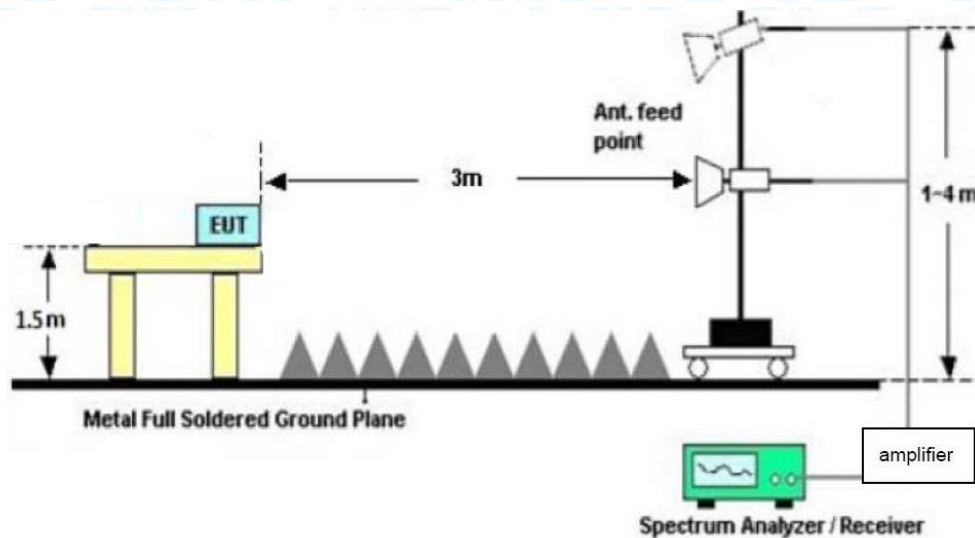
Radiated measurement



Below 30MHz Test Setup

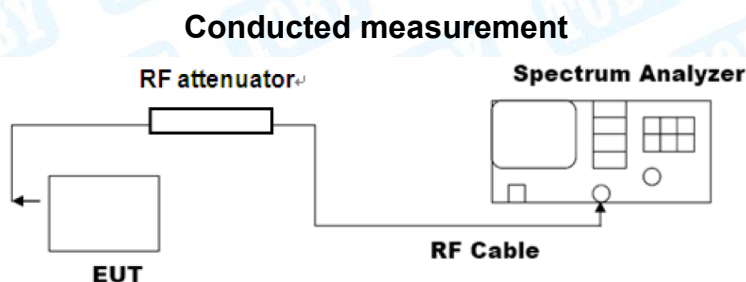


Below 1000MHz Test Setup



Above 1GHz Test Setup





6.3 Test Procedure

---Radiated measurement

- The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Below 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- Testing frequency range 30MHz-1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection. Testing frequency range 9KHz-150Hz the measuring instrument use VBW=200Hz with Quasi-peak detection. Testing frequency range 9KHz-30MHz the measuring instrument use VBW=9kHz with Quasi-peak detection.
- Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- For the actual test configuration, please see the test setup photo.



--- Conducted measurement

●Reference level measurement

Establish a reference level by using the following procedure:

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to ≥ 1.5 times the DTS bandwidth.
- c) Set the RBW = 100 kHz.
- d) Set the VBW $\geq [3 \times \text{RBW}]$.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

●Emission level measurement

Establish an emission level by using the following procedure:

- a) Set the center frequency and span to encompass frequency range to be measured.
 - b) Set the RBW = 100 kHz.
 - c) Set the VBW $\geq [3 \times \text{RBW}]$.
 - d) Detector = peak.
 - e) Sweep time = auto couple.
 - f) Trace mode = max hold.
 - g) Allow trace to fully stabilize.
 - h) Use the peak marker function to determine the maximum amplitude level.
- Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

6.4 Deviation From Test Standard

No deviation

6.5 EUT Operating Mode

Please refer to the description of test mode.

6.6 Test Data

Radiated measurement please refer to the Attachment B inside test report.

Conducted measurement please refer to the Appendix for 2.4G Wi-Fi.



7. Restricted Bands and Band Edge Requirement

7.1 Test Standard and Limit

7.1.1 Test Standard

RSS-Gen 8.10 & RSS 247 6.6

FCC Part 15.205 & FCC Part 15.247(d)

7.1.2 Test Limit

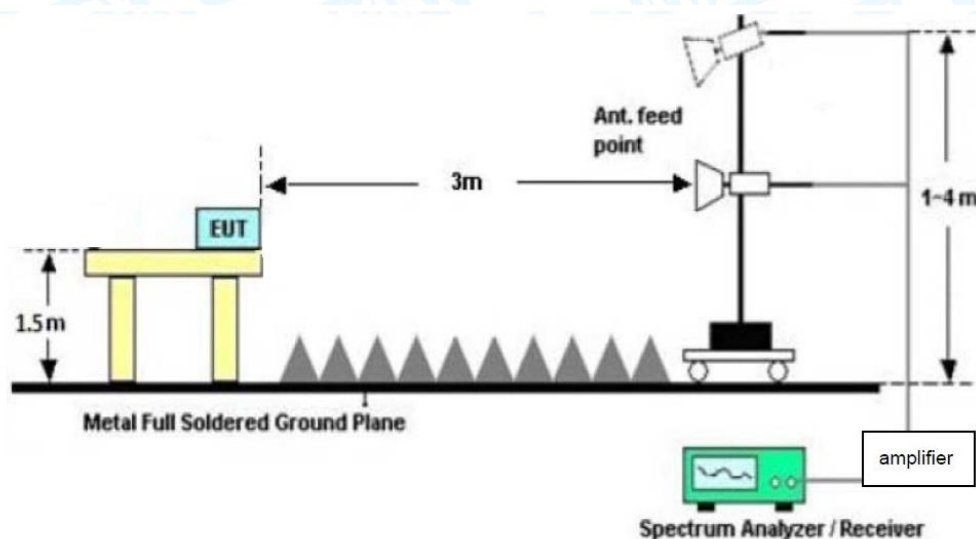
Restricted Frequency Band (MHz)	Distance Meters(at 3m)	
	Peak (dBuV/m)	Average (dBuV/m)
2310 ~2390	74	54
2483.5 ~2500	74	54
	Peak (dBm) _{see 7.3 e)}	Average (dBm) _{see 7.3 e)}
2310 ~2390	-21.20	-41.20
2483.5 ~2500	-21.20	-41.20

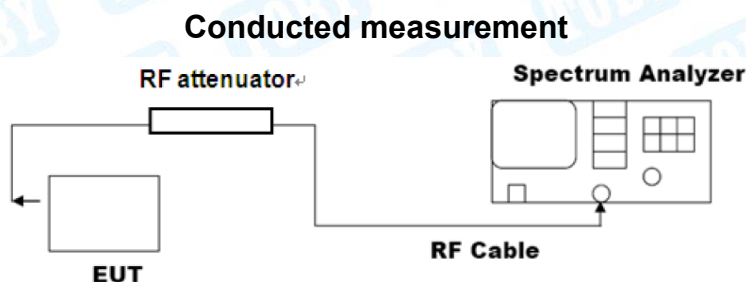
Note: According the ANSI C63.10 11.12.2 antenna-port conducted measurements may also be used as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case emissions is required.

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

7.2 Test Setup

Radiated measurement





7.3 Test Procedure

---Radiated measurement

- Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- The Peak Value and average value both need to comply with applicable limit above 1 GHz.
- Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- For the actual test configuration, please see the test setup photo.

--- Conducted measurement

- a) Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 11.12.2.3 through 11.12.2.5 for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP (see 11.12.2.6 for guidance on determining the applicable antenna gain).
- c) Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies ≤ 30 MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for frequencies > 1000 MHz).



- d) For MIMO devices, measure the power of each chain and sum the EIRP of all chains in linear terms (i.e., watts and mW).
- e) Convert the resultant EIRP to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20 \log d + 104.8$$

where

E is the electric field strength in dBuV/m

EIRP is the equivalent isotropically radiated power in dBm

d is the specified measurement distance in m

f) Compare the resultant electric field strength level with the applicable regulatory limit.

g) Perform the radiated spurious emission test.

7.4 Deviation From Test Standard

No deviation

7.5 EUT Operating Mode

Please refer to the description of test mode.

7.6 Test Data

Please refer to the Attachment C inside test report.

Please refer to the Appendix for 2.4G Wi-Fi.



8. Bandwidth Test

8.1 Test Standard and Limit

8.1.1 Test Standard

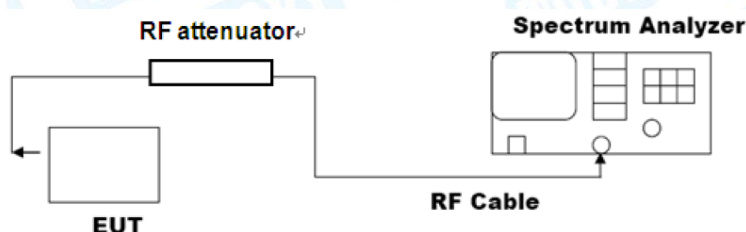
RSS-Gen 6.7 & RSS 247 6.3.1(a)

FCC Part 15.205 & FCC Part 15.247(d)

8.1.2 Test Limit

Test Item	Limit	Frequency Range(MHz)
-6dB bandwidth (DTS bandwidth)	≥ 500 KHz	2400~2483.5
99% occupied bandwidth	/	2400~2483.5

8.2 Test Setup



8.3 Test Procedure

---DTS bandwidth

● The steps for the first option are as follows:

- Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Trace mode = max-hold.
- Sweep = No faster than coupled (auto) time.
- Allow the trace to stabilize.
- Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value.

---occupied bandwidth

● The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified



by the applicable requirement.

c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2.

d) Step a) through step c) might require iteration to adjust within the specified range.

e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.

f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.

h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

8.4 Deviation From Test Standard

No deviation

8.5 EUT Operating Mode

Please refer to the description of test mode.

8.6 Test Data

Conducted measurement please refer to the Appendix for 2.4G Wi-Fi.



9. RF Output Power

9.1 Test Standard and Limit

9.1.1 Test Standard

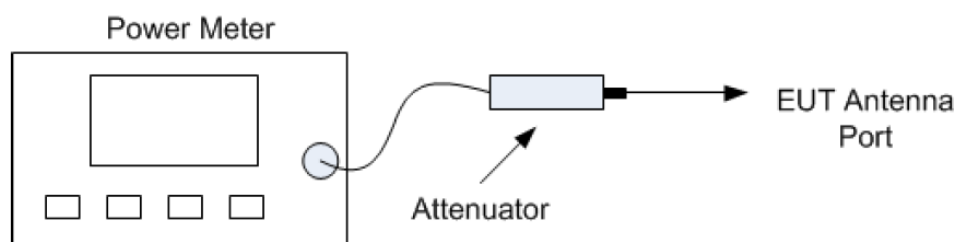
RSS 247 6.3.2

FCC Part 15.247(b)(3)

9.1.2 Test Limit

Test Item	Limit	Frequency Range(MHz)
Maximum conducted output power	not exceed 1 W or 30dBm	2400~2483.5
E.I.R.P	not exceed 4 W or 36dBm	

9.2 Test Setup



9.3 Test Procedure

- The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

9.4 Deviation From Test Standard

No deviation

9.5 EUT Operating Mode

Please refer to the description of test mode.

9.6 Test Data

Conducted measurement please refer to the Appendix for 2.4G Wi-Fi.



10. Power Spectral Density

10.1 Test Standard and Limit

10.1.1 Test Standard

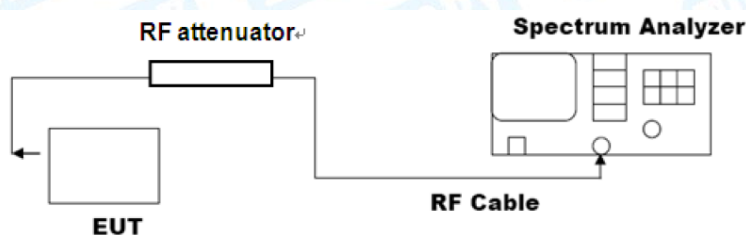
RSS 247 6.3.1(b)

FCC Part 15.247(e)

10.1.2 Test Limit

Test Item	Limit	Frequency Range(MHz)
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5

10.2 Test Setup



10.3 Test Procedure

● Method AVGPS-1 uses trace averaging with EUT transmitting at full power throughout each sweep.

The following procedure may be used when the maximum (average) conducted output power was used to determine compliance to the fundamental output power limit. This is the baseline method for determining the maximum (average) conducted PSD level. If the instrument has a power averaging (rms) detector, then it must be used; otherwise, use the sample detector. The EUT must be configured to transmit continuously ($D \geq 98\%$), or else sweep triggering/signal gating must be implemented to ensure that measurements are made only when the EUT is transmitting at its maximum power control level (no transmitter OFF time to be considered):

- Set instrument center frequency to DTS channel center frequency.
- Set span to at least 1.5 times the OBW.
- Set RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- Set VBW $\geq [3 \times \text{RBW}]$.
- Detector = power averaging (rms) or sample detector (when rms not available).



- f) Ensure that the number of measurement points in the sweep $\geq [2 \times \text{span} / \text{RBW}]$.
- g) Sweep time = auto couple.
- h) Employ trace averaging (rms) mode over a minimum of 100 traces.
- i) Use the peak marker function to determine the maximum amplitude level.
- j) If the measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).

10.4 Deviation From Test Standard

No deviation

10.5 Antenna Connected Construction

Please refer to the description of test mode.

10.6 Test Data

Conducted measurement please refer to the Appendix for 2.4G Wi-Fi.



11. Antenna Requirement

11.1 Test Standard and Limit

11.1.1 Test Standard

RSS-Gen 6.8

FCC Part 15.203

11.1.2 Requirement(FCC Part 15.203)

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. 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 provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

(RSS-Gen 6.8)

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

11.2 Deviation From Test Standard

No deviation

11.3 Antenna Connected Construction

The Max. gains of the antenna used for transmitting is 1.07dBi, and the antenna designed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

11.4 Test Data

The EUT antenna is a FPC Antenna. It complies with the standard requirement.

Antenna Type
☒ Permanent attached antenna
☐ Unique connector antenna
☐ Professional installation antenna



12. Duty cycle

12.1 Test Standard and Limit

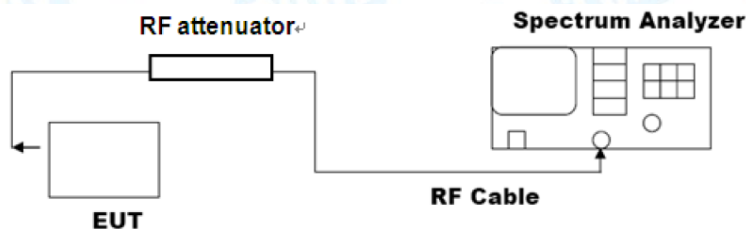
12.1.1 Test Standard

/

12.1.2 Test Limit

/

12.2 Test Setup



12.3 Test Procedure

● Measurements of duty cycle and transmission duration shall be performed using below techniques. The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

- 1) Set the center frequency of the instrument to the center frequency of the transmission.
- 2) Span=0Hz
- 3) Set RBW=10MHz.
- 4) Set RBW=10MHz.
- 5) Set Detector= peak.
- 6) Trace mode = clear write.

12.4 Deviation From Test Standard

No deviation

12.5 Antenna Connected Construction

Please refer to the description of test mode.

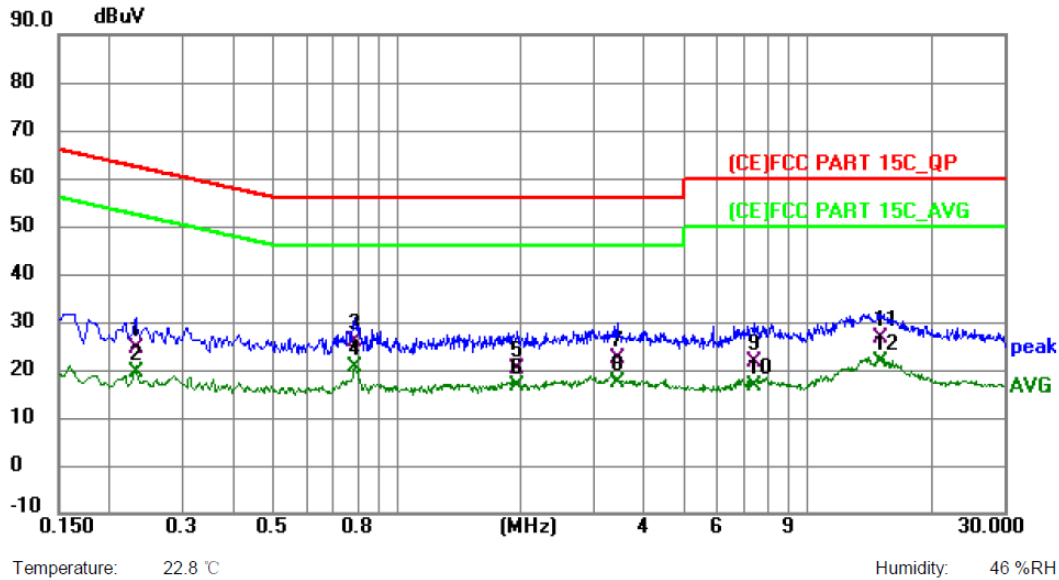
12.6 Test Data

Please refer to the external appendix report of 2.4G Wi-Fi.



Attachment A--Conducted Emission Test Data

Test Voltage:	AC 120V/60Hz
Terminal:	Line
Test Mode:	Mode 1
Remark:	Only worse case is reported.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.231	14.88	9.52	24.40	62.41	-38.01	QP
2		0.231	9.77	9.52	19.29	52.41	-33.12	AVG
3		0.789	16.35	9.50	25.85	56.00	-30.15	QP
4	*	0.789	10.96	9.50	20.46	46.00	-25.54	AVG
5		1.964	10.85	9.47	20.32	56.00	-35.68	QP
6		1.964	7.24	9.47	16.71	46.00	-29.29	AVG
7		3.444	13.04	9.43	22.47	56.00	-33.53	QP
8		3.444	7.98	9.43	17.41	46.00	-28.59	AVG
9		7.431	12.11	9.59	21.70	60.00	-38.30	QP
10		7.431	6.97	9.59	16.56	50.00	-33.44	AVG
11		15.031	16.87	9.86	26.73	60.00	-33.27	QP
12		15.031	11.87	9.86	21.73	50.00	-28.27	AVG

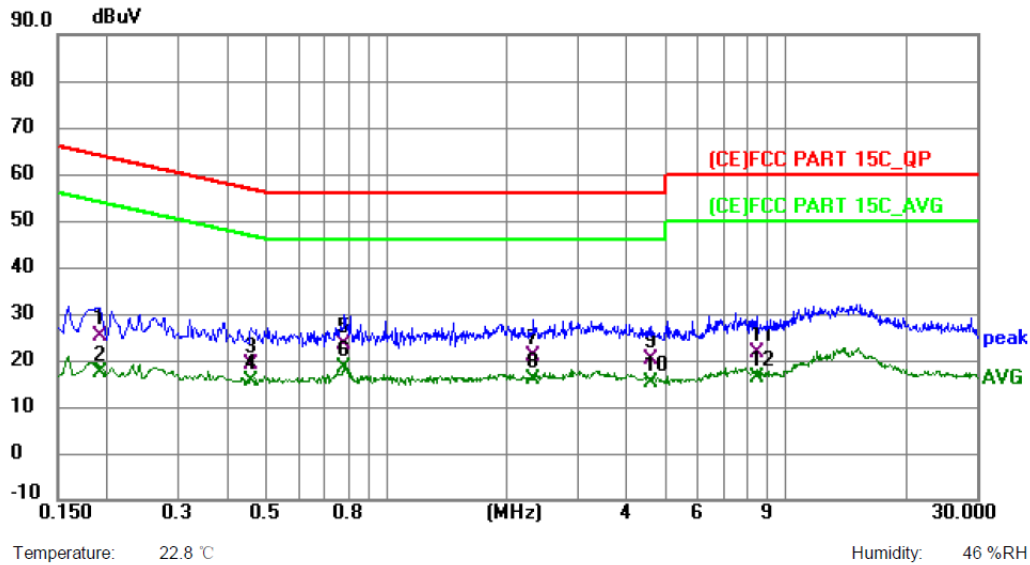
Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)

2. Margin (dB) = QuasiPeak/Average (dBuV)-Limit (dBuV)



Test Voltage:	AC 120V/60Hz
Terminal:	Neutral
Test Mode:	Mode 1
Remark:	Only worse case is reported.



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.191	15.53	9.54	25.07	63.99	-38.92	QP
2	0.191	7.83	9.54	17.37	53.99	-36.62	AVG
3	0.456	9.78	9.38	19.16	56.77	-37.61	QP
4	0.456	6.24	9.38	15.62	46.77	-31.15	AVG
5	0.784	14.00	9.46	23.46	56.00	-32.54	QP
6 *	0.784	8.83	9.46	18.29	46.00	-27.71	AVG
7	2.341	11.23	9.50	20.73	56.00	-35.27	QP
8	2.341	6.23	9.50	15.73	46.00	-30.27	AVG
9	4.582	10.93	9.40	20.33	56.00	-35.67	QP
10	4.582	5.93	9.40	15.33	46.00	-30.67	AVG
11	8.430	11.94	9.76	21.70	60.00	-38.30	QP
12	8.430	6.62	9.76	16.38	50.00	-33.62	AVG

Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) = QuasiPeak/Average (dBuV) - Limit (dBuV)



Attachment B--Unwanted Emissions Data

---Radiated Unwanted Emissions

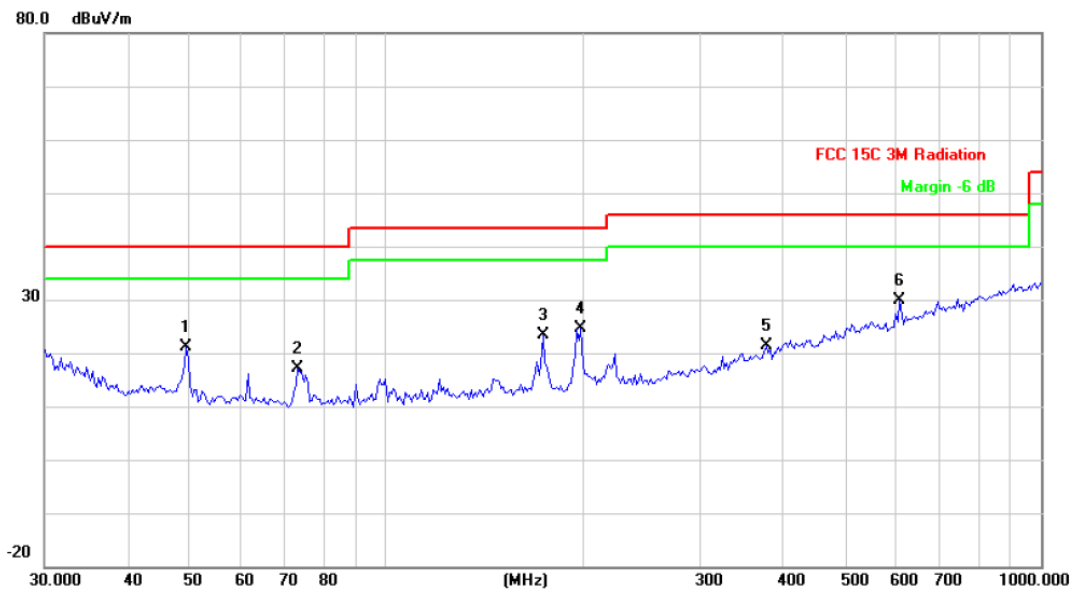
9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB
Below the permissible value has no need to be reported.

30MHz~1GHz

Temperature:	23.5°C	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	Mode 1		
Remark:	Only worse case is reported.		



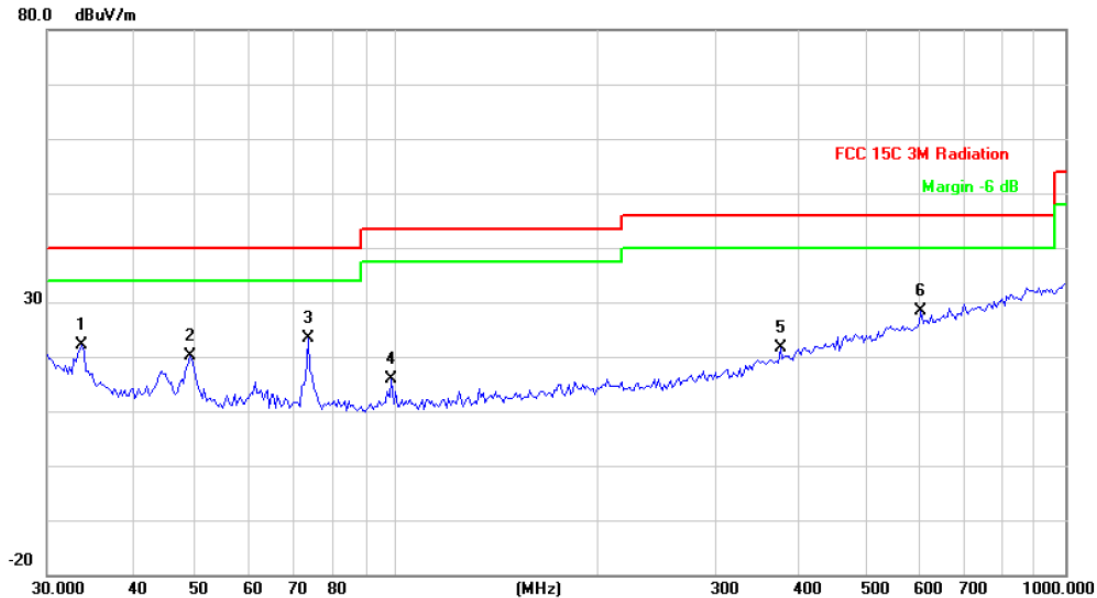
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		49.3594	37.19	-15.97	21.22	40.00	-18.78	peak
2		73.1025	34.11	-17.00	17.11	40.00	-22.89	peak
3		173.2051	36.60	-13.33	23.27	43.50	-20.23	peak
4		197.8928	37.70	-13.12	24.58	43.50	-18.92	peak
5		379.9141	28.81	-7.46	21.35	46.00	-24.65	peak
6	*	607.7867	32.03	-2.14	29.89	46.00	-16.11	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)



Temperature:	23.5°C	Relative Humidity:	46%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	Mode 1		
Remark:	Only worse case is reported.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		33.7986	33.52	-11.45	22.07	40.00	-17.93	peak
2		49.0145	36.12	-15.94	20.18	40.00	-19.82	peak
3	*	73.6170	40.39	-16.99	23.40	40.00	-16.60	peak
4		98.1419	32.07	-16.31	15.76	43.50	-27.74	peak
5		374.6225	29.62	-7.97	21.65	46.00	-24.35	peak
6		607.7867	30.40	-2.14	28.26	46.00	-17.74	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)
2. QuasiPeak (dBuV/m)= Corr. (dB/m)+ Read Level (dBuV)
3. Margin (dB) = QuasiPeak (dBuV/m)-Limit QPK(dBuV/m)



Above 1GHz

Temperature:	23.9℃	Relative Humidity:	48%				
Test Voltage:	DC 3.85V						
Test Mode:	802.11 b Mode TX 2412 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9440.5000	42.96	6.27	49.23	74.00	-24.77	peak
2 *	9440.5000	36.19	6.27	42.46	54.00	-11.54	AVG
3	10843.0000	42.55	5.74	48.29	74.00	-25.71	peak
4	10843.0000	35.32	5.74	41.06	54.00	-12.94	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9491.5000	42.26	6.54	48.80	74.00	-25.20	peak
2	9491.5000	35.40	6.54	41.94	54.00	-12.06	AVG
3	10919.5000	43.23	6.15	49.38	74.00	-24.62	peak
4 *	10919.5000	36.31	6.15	42.46	54.00	-11.54	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Temperature:	23.9°C	Relative Humidity:	48%				
Test Voltage:	DC 3.85V						
Test Mode:	802.11 b Mode TX 2437 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9338.5000	44.40	5.13	49.53	74.00	-24.47	peak
2 *	9338.5000	37.53	5.13	42.66	54.00	-11.34	AVG
3	14770.0000	38.38	10.05	48.43	74.00	-25.57	peak
4	14770.0000	31.47	10.05	41.52	54.00	-12.48	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9389.5000	44.08	5.62	49.70	74.00	-24.30	peak
2 *	9389.5000	36.94	5.62	42.56	54.00	-11.44	AVG
3	13393.0000	40.78	7.26	48.04	74.00	-25.96	peak
4	13393.0000	34.12	7.26	41.38	54.00	-12.62	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Temperature:	23.9℃	Relative Humidity:	48%				
Test Voltage:	DC 3.85V						
Test Mode:	802.11 b Mode TX 2462 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9466.0000	43.10	6.46	49.56	74.00	-24.44	peak
2 *	9466.0000	35.93	6.46	42.39	54.00	-11.61	AVG
3	14719.0000	38.40	9.65	48.05	74.00	-25.95	peak
4	14719.0000	32.02	9.65	41.67	54.00	-12.33	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9364.0000	44.02	5.54	49.56	74.00	-24.44	peak
2 *	9364.0000	36.83	5.54	42.37	54.00	-11.63	AVG
3	14923.0000	38.82	10.33	49.15	74.00	-24.85	peak
4	14923.0000	31.65	10.33	41.98	54.00	-12.02	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Temperature:	23.9°C	Relative Humidity:	48%				
Test Voltage:	DC 3.85V						
Test Mode:	802.11 G Mode TX 2412 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9364.0000	44.10	5.54	49.64	74.00	-24.36	peak
2 *	9364.0000	37.14	5.54	42.68	54.00	-11.32	AVG
3	14821.0000	38.07	10.33	48.40	74.00	-25.60	peak
4	14821.0000	31.26	10.33	41.59	54.00	-12.41	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9491.5000	43.38	6.54	49.92	74.00	-24.08	peak
2 *	9491.5000	36.58	6.54	43.12	54.00	-10.88	AVG
3	14744.5000	38.67	9.85	48.52	74.00	-25.48	peak
4	14744.5000	31.52	9.85	41.37	54.00	-12.63	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Temperature:	23.9°C			Relative Humidity:	48%		
Test Voltage:	DC 3.85V						
Test Mode:	802.11 G Mode TX 2437 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9364.0000	43.92	5.54	49.46	74.00	-24.54	peak
2 *	9364.0000	36.62	5.54	42.16	54.00	-11.84	AVG
3	14770.0000	38.42	10.05	48.47	74.00	-25.53	peak
4	14770.0000	31.52	10.05	41.57	54.00	-12.43	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9364.0000	44.49	5.54	50.03	74.00	-23.97	peak
2 *	9364.0000	37.72	5.54	43.26	54.00	-10.74	AVG
3	10970.5000	41.55	6.34	47.89	74.00	-26.11	peak
4	10970.5000	35.69	6.34	42.03	54.00	-11.97	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Temperature:	23.9°C			Relative Humidity:	48%		
Test Voltage:	DC 3.85V						
Test Mode:	802.11 G Mode TX 2462 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9440.5000	43.51	6.27	49.78	74.00	-24.22	peak
2 *	9440.5000	36.47	6.27	42.74	54.00	-11.26	AVG
3	10919.5000	42.76	6.15	48.91	74.00	-25.09	peak
4	10919.5000	35.22	6.15	41.37	54.00	-12.63	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9491.5000	43.08	6.54	49.62	74.00	-24.38	peak
2 *	9491.5000	36.47	6.54	43.01	54.00	-10.99	AVG
3	10945.0000	43.18	6.25	49.43	74.00	-24.57	peak
4	10945.0000	36.60	6.25	42.85	54.00	-11.15	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Temperature:	23.9°C		Relative Humidity:		48%		
Test Voltage:	DC 3.85V						
Test Mode:	802.11 N20 Mode TX 2412 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9466.0000	43.02	6.46	49.48	74.00	-24.52	peak
2 *	9466.0000	35.92	6.46	42.38	54.00	-11.62	AVG
3	14744.5000	38.34	9.85	48.19	74.00	-25.81	peak
4	14744.5000	31.72	9.85	41.57	54.00	-12.43	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9466.0000	42.34	6.46	48.80	74.00	-25.20	peak
2	9466.0000	34.89	6.46	41.35	54.00	-12.65	AVG
3	14744.5000	39.14	9.85	48.99	74.00	-25.01	peak
4 *	14744.5000	31.98	9.85	41.83	54.00	-12.17	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Temperature:	23.9°C		Relative Humidity:		48%		
Test Voltage:	DC 3.85V						
Test Mode:	802.11 N20 Mode TX 2437 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9338.5000	45.55	5.13	50.68	74.00	-23.32	peak
2 *	9338.5000	38.16	5.13	43.29	54.00	-10.71	AVG
3	14770.0000	38.42	10.05	48.47	74.00	-25.53	peak
4	14770.0000	31.32	10.05	41.37	54.00	-12.63	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9491.5000	43.04	6.54	49.58	74.00	-24.42	peak
2 *	9491.5000	36.07	6.54	42.61	54.00	-11.39	AVG
3	10843.0000	43.93	5.74	49.67	74.00	-24.33	peak
4	10843.0000	36.83	5.74	42.57	54.00	-11.43	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Temperature:	23.9°C		Relative Humidity:		48%		
Test Voltage:	DC 3.85V						
Test Mode:	802.11 N20 Mode TX 2462 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9415.0000	44.32	5.88	50.20	74.00	-23.80	peak
2 *	9415.0000	37.54	5.88	43.42	54.00	-10.58	AVG
3	14821.0000	38.32	10.33	48.65	74.00	-25.35	peak
4	14821.0000	32.04	10.33	42.37	54.00	-11.63	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9389.5000	44.76	5.62	50.38	74.00	-23.62	peak
2 *	9389.5000	37.65	5.62	43.27	54.00	-10.73	AVG
3	14872.0000	38.10	10.42	48.52	74.00	-25.48	peak
4	14872.0000	32.24	10.42	42.66	54.00	-11.34	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Temperature:	23.9°C			Relative Humidity:	48%		
Test Voltage:	DC 3.85V						
Test Mode:	802.11 N40 Mode TX 2422 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9440.5000	43.94	6.27	50.21	74.00	-23.79	peak
2 *	9440.5000	38.08	6.27	44.35	54.00	-9.65	AVG
3	10511.5000	44.24	4.79	49.03	74.00	-24.97	peak
4	10511.5000	38.49	4.79	43.28	54.00	-10.72	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9440.5000	44.09	6.27	50.36	74.00	-23.64	peak
2 *	9440.5000	37.25	6.27	43.52	54.00	-10.48	AVG
3	10868.5000	43.08	5.89	48.97	74.00	-25.03	peak
4	10868.5000	36.96	5.89	42.85	54.00	-11.15	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Temperature:	23.9℃	Relative Humidity:	48%				
Test Voltage:	DC 3.85V						
Test Mode:	802.11 N40 Mode TX 2437 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9415.0000	43.09	5.88	48.97	74.00	-25.03	peak
2 *	9415.0000	35.65	5.88	41.53	54.00	-12.47	AVG
3	13571.5000	40.77	7.54	48.31	74.00	-25.69	peak
4	13571.5000	33.76	7.54	41.30	54.00	-12.70	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9415.0000	43.86	5.88	49.74	74.00	-24.26	peak
2 *	9415.0000	36.75	5.88	42.63	54.00	-11.37	AVG
3	12883.0000	41.84	6.90	48.74	74.00	-25.26	peak
4	12883.0000	34.98	6.90	41.88	54.00	-12.12	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Temperature:	23.9°C			Relative Humidity:	48%		
Test Voltage:	DC 3.85V						
Test Mode:	802.11 N40 Mode TX 2452 MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9670.0000	43.45	5.17	48.62	74.00	-25.38	peak
2	9670.0000	36.21	5.17	41.38	54.00	-12.62	AVG
3	10919.5000	42.62	6.15	48.77	74.00	-25.23	peak
4 *	10919.5000	35.54	6.15	41.69	54.00	-12.31	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	9440.5000	42.60	6.27	48.87	74.00	-25.13	peak
2	9440.5000	35.09	6.27	41.36	54.00	-12.64	AVG
3	14795.5000	37.95	10.26	48.21	74.00	-25.79	peak
4 *	14795.5000	31.38	10.26	41.64	54.00	-12.36	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)-AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.							
5. Results below the limit by 20 dB were not recorded in the table.							



Attachment C--Restricted Bands Data

Temperature:	23.9℃	Relative Humidity:		48%			
Test Voltage:	DC 3.85V						
Test Mode:	TX b Mode 2412MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.0000	47.15	10.06	57.21	74.00	-16.79	peak
2 *	2390.0000	36.57	10.06	46.63	54.00	-7.37	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.0000	43.20	10.06	53.26	74.00	-20.74	peak
2 *	2390.0000	36.25	10.06	46.31	54.00	-7.69	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) -AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							



Temperature:	23.9℃	Relative Humidity:	48%				
Test Voltage:	DC 3.85V						
Test Mode:	TX b Mode 2462MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	47.13	10.30	57.43	74.00	-16.57	peak
2 *	2483.5000	36.82	10.30	47.12	54.00	-6.88	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	43.49	10.30	53.79	74.00	-20.21	peak
2 *	2483.5000	36.56	10.30	46.86	54.00	-7.14	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) -AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							



Temperature:	23.9℃	Relative Humidity:	48%				
Test Voltage:	DC 3.85V						
Test Mode:	TX g Mode 2412MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.0000	52.85	10.06	62.91	74.00	-11.09	peak
2 *	2390.0000	42.73	10.06	52.79	54.00	-1.21	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.0000	45.10	10.06	55.16	74.00	-18.84	peak
2 *	2390.0000	37.70	10.06	47.76	54.00	-6.24	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) -AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							



Temperature:	23.9℃	Relative Humidity:	48%				
Test Voltage:	DC 3.85V						
Test Mode:	TX g Mode 2462MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	52.27	10.30	62.57	74.00	-11.43	peak
2 *	2483.5000	40.90	10.30	51.20	54.00	-2.80	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	43.38	10.30	53.68	74.00	-20.32	peak
2 *	2483.5000	38.30	10.30	48.60	54.00	-5.40	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) -AMP(dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							



Temperature:	23.9℃	Relative Humidity:	48%				
Test Voltage:	DC 3.85V						
Test Mode:	TX n(HT20) Mode 2412MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.0000	49.66	10.06	59.72	74.00	-14.28	peak
2 *	2390.0000	40.80	10.06	50.86	54.00	-3.14	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.0000	43.81	10.06	53.87	74.00	-20.13	peak
2 *	2390.0000	38.16	10.06	48.22	54.00	-5.78	AVG
Remark:				1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) -AMP(dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV) 3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)			



Temperature:	23.9℃			Relative Humidity:		48%	
Test Voltage:	DC 3.85V						
Test Mode:	TX n(HT20) Mode 2462MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	45.37	10.30	55.67	74.00	-18.33	peak
2 *	2483.5000	37.52	10.30	47.82	54.00	-6.18	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	43.76	10.30	54.06	74.00	-19.94	peak
2 *	2483.5000	36.46	10.30	46.76	54.00	-7.24	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) -AMP(dB)							
2. Peak/AVG (dBuV/m)= Corr. (dB/m)+ Read Level (dBuV)							
3. Margin (dB) = Peak/AVG (dBuV/m)-Limit PK/AVG(dBuV/m)							



Temperature:	23.9℃			Relative Humidity:		48%	
Test Voltage:	DC 3.85V						
Test Mode:	TX n(HT40) Mode 2422MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.0000	48.59	10.06	58.65	74.00	-15.35	peak
2 *	2390.0000	40.58	10.06	50.64	54.00	-3.36	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.0000	43.22	10.06	53.28	74.00	-20.72	peak
2 *	2390.0000	38.38	10.06	48.44	54.00	-5.56	AVG
Remark: 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) -AMP(dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV) 3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							



Temperature:	23.9℃	Relative Humidity:	48%				
Test Voltage:	DC 3.85V						
Test Mode:	TX n(HT40) Mode 2452MHz						
Remark:	Only worse case is reported.						
Horizontal							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	47.11	10.30	57.41	74.00	-16.59	peak
2 *	2483.5000	40.49	10.30	50.79	54.00	-3.21	AVG
Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.5000	44.15	10.30	54.45	74.00	-19.55	peak
2 *	2483.5000	36.28	10.30	46.58	54.00	-7.42	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) -AMP(dB)							
2. Peak/AVG (dBuV/m)= Corr. (dB/m)+ Read Level (dBuV)							
3. Margin (dB) = Peak/AVG (dBuV/m)-Limit PK/AVG(dBuV/m)							

-----END OF THE REPORT-----

