



FCC RF Test Report

APPLICANT : Getac Technology Corporation.
EQUIPMENT : WLAN module
BRAND NAME : Getac
MODEL NAME : 8265NGW
FCC ID : QYL8265NG
STANDARD : FCC Part 15 Subpart C §15.247
CLASSIFICATION : (DTS) Digital Transmission System

This is a partial report. The product testing was completed on Jul. 08, 2018. We, Sporton International (Shenzhen) 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.

This report contains data that were produced under subcontract by Laboratory SPORTON INTERNATIONAL INC.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Shenzhen) Inc., the test report shall not be reproduced except in full.

Approved by: Eric Shih / Manager



Sporton International (Shenzhen) Inc.

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Guangdong Province 518055 China**



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR570164-39B	Rev. 01	Initial issue of report	Jul. 31, 2018



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.247(b)(3)	Peak Output Power	$\leq 30\text{dBm}$	Pass	-
3.2	15.247(d)	Radiated Band Edges and Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 3.47 dB at 2359.84 MHz
3.3	15.203 & 15.247(b)	Antenna Requirement	N/A	Pass	-

Remark: Except Conducted output power and Radiated Spurious Emission is carrying out, for the other test data please refer to modular report "160321-01.TR02".



1 General Description

1.1 Applicant

Getac Technology Corporation.

5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang Dist., Taipei City 11568, Taiwan, R.O.C.

1.2 Product Feature of Equipment Under Test

WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, NFC, GNSS and Digitizer.

Product Specification subjective to this standard	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS: PATCH Antenna NFC: Loop Antenna Digitizer: Loop Antenna

The product was installed into Tablet (Brand Name: Getac, Model Name: RX10) during test, and all tests were performed with SKU A.

SKU Table		
RX10 SKU		
	SKU A	SKU B
CPU	i5	M3
DDR	8G	4G
SSD	256GB	128GB
Panel	FHD	FHD
Digitizer	Support	Not Support
WLAN/BT	Support	Not Support
WWAN	Support	Not Support
GPS	Support	Not Support
RFID	Support	Not Support
Battery	5800mAh & 2160mAh	2160mAh

1.3 Modification of EUT

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

1.4 Testing Location

SPORTON INTERNATIONAL INC. is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and under the FCC-recognized accredited testing laboratories by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.		
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist. Taoyuan City Taiwan Tel: 886-3-327-3456 FAX: +886-3-327-0978		
Test Site No.	Sporton Site No.	FCC designation No.	FCC Test Firm Registration No.
	TH05-HY	TW1190	553509

Note: Test data subcontracted Conducted power in section 3.1 of this report.

Sporton International (Shenzhen) Inc. is accredited to ISO 17025 by National Voluntary Laboratory Accreditation Program (NVLAP code: 600156-0) and the FCC designation No is CN5019.

Test Site	Sporton International (Shenzhen) Inc.	
Test Site Location	No. 3 Bldg the third floor of south, Shahe River west, Fengzeyuan Warehouse, Nanshan District Shenzhen City Guangdong Province 518055 China TEL: +86-755-3320-2398	
Test Site No.	Sporton Site No.	FCC Test Firm Registration No.
	03CH01-SZ	577730

Note: The test site complies with ANSI C63.4 2014 requirement.

1.5 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 v04
- ♦ ANSI C63.10-2013

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.



2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	0	2402	21	2444
	1	2404	22	2446
	2	2406	23	2448
	3	2408	24	2450
	4	2410	25	2452
	5	2412	26	2454
	6	2414	27	2456
	7	2416	28	2458
	8	2418	29	2460
	9	2420	30	2462
	10	2422	31	2464
	11	2424	32	2466
	12	2426	33	2468
	13	2428	34	2470
	14	2430	35	2472
	15	2432	36	2474
	16	2434	37	2476
	17	2436	38	2478
	18	2438	39	2480
	19	2440	-	-
	20	2442	-	-

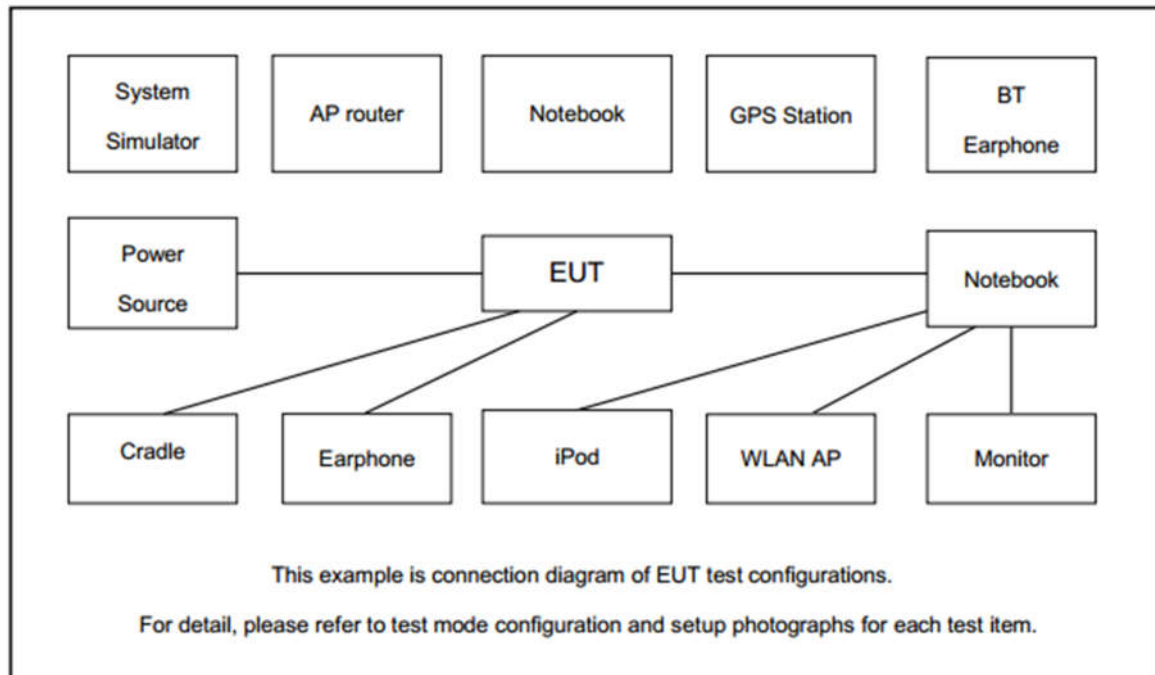
2.2 Test Mode

Preliminary tests were performed in different data rates and recorded the RF output power in the following table:

Channel	Frequency	Bluetooth RF Output Power
		Data Rate / Modulation
		GFSK
		LE
Ch00	2402MHz	5.58 dBm
Ch19	2440MHz	5.60 dBm
Ch39	2480MHz	5.62 dBm

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: 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 (Z plane as worst plane) from all possible combinations.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Earphone	Apple	MC690ZP/A	N/A	Shielded, 1.0m	N/A

2.5 EUT Operation Test Setup

For Bluetooth LE function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.

3 Test Result

3.1 Output Power Measurement

3.1.1 Limit of 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.

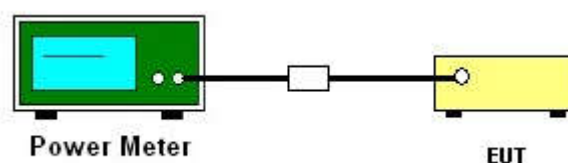
3.1.2 Measuring Instruments

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 the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v04 section 9.1.3 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.

3.1.4 Test Setup



3.1.5 Test Result of Peak Output Power

Please refer to Appendix A.

3.1.6 Test Result of Average Output Power (Reporting Only)

Please refer to Appendix A.



3.2 Radiated Band Edges and Spurious Emission Measurement

3.2.1 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 limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

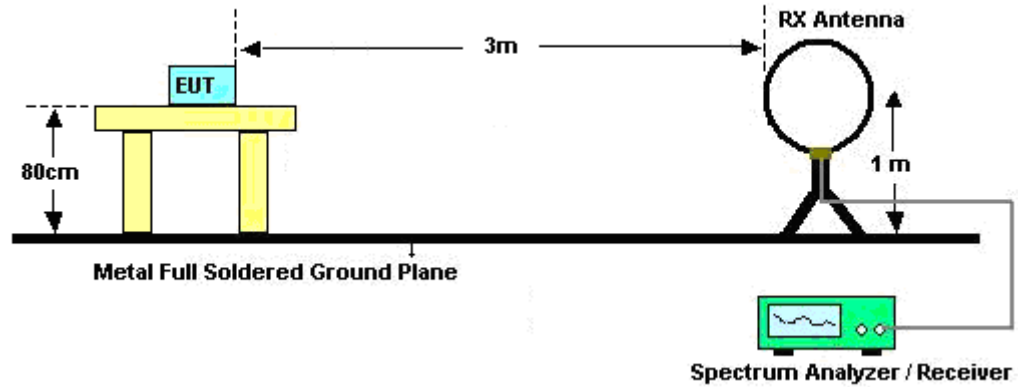
1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test 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 testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. 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 $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement.

For average measurement:

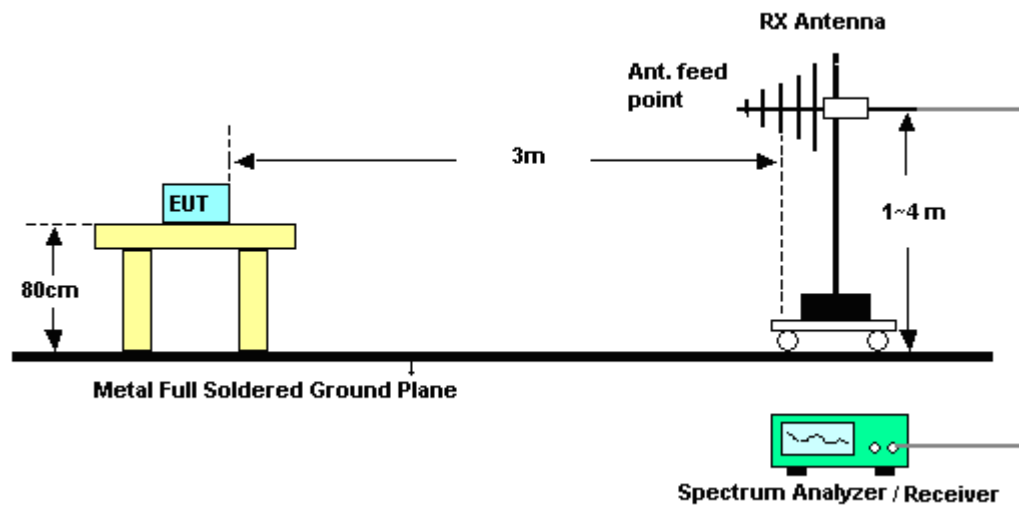
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.2.4 Test Setup

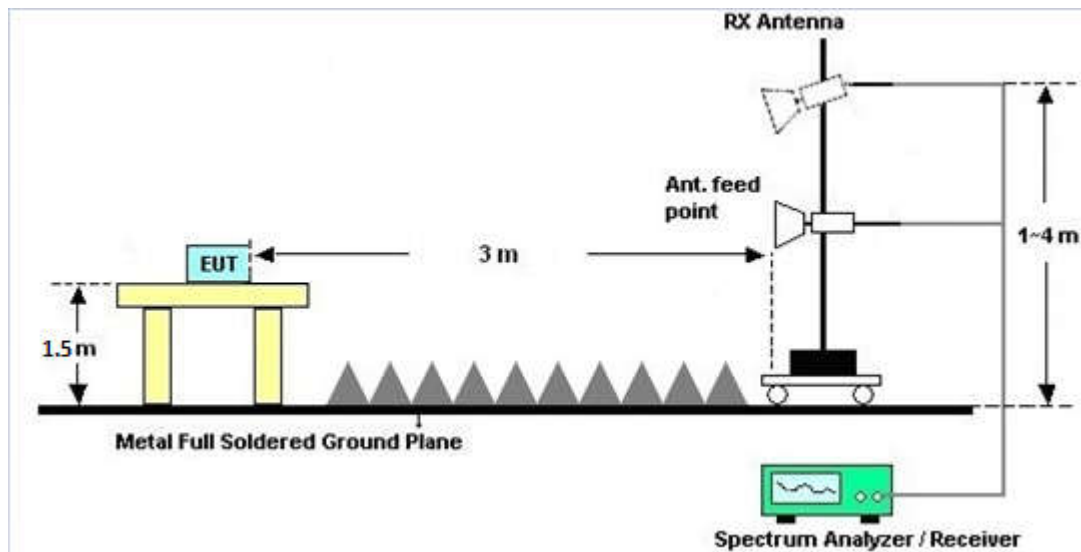
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.2.5 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 was not reported.

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

3.2.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.2.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.



3.3 Antenna Requirements

3.3.1 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 rule.

3.3.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.3.3 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	DTM-303A	TP157075	N/A	Mar. 06, 2018	Jun. 15, 2018	Mar. 05, 2019	Conducted (TH05-HY)
Power Meter	Agilent	E4416A	GB41292344	N/A	Dec. 20, 2017	Jun. 15, 2018	Dec. 19, 2018	Conducted (TH05-HY)
Power Sensor	Agilent	E9327A	US40441548	50MHz~18GHz	Dec. 20, 2017	Jun. 15, 2018	Dec. 19, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz~40GHz	Jun. 20, 2017	Jun. 15, 2018	Jun. 19, 2018	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Mar. 01, 2018	Jun. 15, 2018	Feb. 28, 2019	Conducted (TH05-HY)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Apr. 19, 2018	Jul. 06, 2018~Jul. 08, 2018	Apr.18, 2019	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	May.14, 2018	Jul. 06, 2018~Jul. 08, 2018	May.13, 2019	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz~2GHz	Apr. 19, 2018	Jul. 06, 2018~Jul. 08, 2018	Apr. 18, 2019	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS Lindgren	3117	119436	1GHz~18GHz	Jul. 28, 2017	Jul. 06, 2018~Jul. 08, 2018	Jul. 27, 2018	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Mar.30, 2018	Jul. 06, 2018~Jul. 08, 2018	Mar.29, 2019	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 19, 2018	Jul. 06, 2018~Jul. 08, 2018	Apr.18, 2019	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1707137	1GHz~18GHz	Oct.19, 2017	Jul. 06, 2018~Jul. 08, 2018	Oct 18, 2018	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270104	0.5GHz~26.5GHz	Oct.19, 2017	Jul. 06, 2018~Jul. 08, 2018	Oct 18, 2018	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul.18.2017	Jul. 06, 2018~Jul. 08, 2018	Jul.17.2018	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Jul. 06, 2018~Jul. 08, 2018	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jul. 06, 2018~Jul. 08, 2018	NCR	Radiation (03CH01-SZ)

NCR: No Calibration Required



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason Huang	Temperature:	21~25	°C
Test Date:	2018/6/15	Relative Humidity:	51~54	%

TEST RESULTS DATA**Peak Power Table**

Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Peak Conducted Power (dBm)	Conducted Power Limit (dBm)
BLE	1Mbps	1	0	2402	5.58	30.00
BLE	1Mbps	1	19	2440	5.60	30.00
BLE	1Mbps	1	39	2480	5.62	30.00

TEST RESULTS DATA**Average Power Table****(Reporting Only)**

Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)
BLE	1Mbps	1	0	2402	2.06	5.00
BLE	1Mbps	1	19	2440	2.06	5.17
BLE	1Mbps	1	39	2480	2.06	5.36



Appendix B. Radiated Spurious Emission

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 19 2440MHz		2360.12	46.47	-27.53	74	45.42	27.14	6.73	32.82	151	237	P	H
		2359.98	39.74	-14.26	54	38.69	27.14	6.73	32.82	151	237	A	H
	*	2440	105.8	-	-	104.3	27.37	6.86	32.73	151	237	P	H
	*	2440	104.22	-	-	102.72	27.37	6.86	32.73	151	237	A	H
		2485.93	45.49	-28.51	74	43.81	27.46	6.91	32.69	151	237	P	H
		2483.55	35.86	-18.14	54	34.18	27.46	6.91	32.69	151	237	A	H
		2359.7	53.82	-20.18	74	48.37	31.54	6.73	32.82	144	325	P	V
		2359.84	50.53	-3.47	54	45.08	31.54	6.73	32.82	144	325	A	V
	*	2440	106.89	-	-	101.05	31.71	6.86	32.73	144	325	P	V
	*	2440	105.66	-	-	99.82	31.71	6.86	32.73	144	325	A	V
		2491.11	49.82	-24.18	74	43.65	31.93	6.91	32.67	144	325	P	V
		2484.67	40.04	-13.96	54	33.96	31.86	6.91	32.69	144	325	A	V

**2.4GHz 2400~2483.5MHz****BLE (Harmonic @ 3m)**

BLE	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE CH 19 2440MHz		4880	41.71	-32.29	74	57.11	31.78	10.92	58.1	161	360	P	H
		7320	49.77	-24.23	74	58.66	35.69	13.29	57.87	161	360	P	H
		4880	41.99	-32.01	74	57.39	31.78	10.92	58.1	161	360	P	V
		7320	47.17	-26.83	74	56.06	35.69	13.29	57.87	161	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

2.4GHz BLE (LF)

BLE	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BLE LF		30	22.61	-17.39	40	29.68	24.3	0.23	31.6	-	-	P	H
		252.13	24.47	-21.53	46	34.56	19.05	1.87	31.01	-	-	P	H
		386.96	33.46	-12.54	46	40.83	21.38	2.35	31.1	100	125	P	H
		418.97	31.67	-14.33	46	38.26	22.05	2.46	31.1	-	-	P	H
		610.06	29.9	-16.1	46	33.32	24.74	3.04	31.2	-	-	P	H
		760.41	31.29	-14.71	46	33.34	25.76	3.49	31.3	-	-	P	H
		33.88	27.19	-12.81	40	36.55	21.94	0.3	31.6	100	179	P	V
		106.63	21.88	-21.62	43.5	35.26	17.2	0.91	31.49	-	-	P	V
		263.77	22.27	-23.73	46	31.6	19.79	1.91	31.03	-	-	P	V
		357.86	24.07	-21.93	46	32.26	20.66	2.25	31.1	-	-	P	V
		570.29	28.87	-17.13	46	32.82	24.34	2.91	31.2	-	-	P	V
		741.98	32.07	-13.93	46	34.37	25.56	3.43	31.29	-	-	P	V
Remark		1. No other spurious found. 2. All results are PASS against limit line.											



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	P eak or A verage
H/V	H orizontal or V ertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix C. Radiated Spurious Emission Plots

Note symbol

-L	Low channel location
-R	High channel location

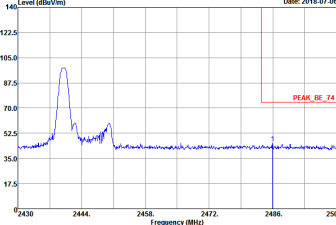
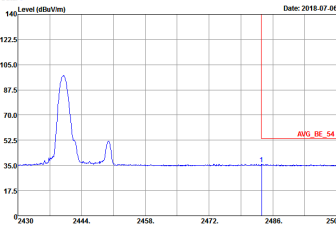


2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
	Horizontal	Fundamental
Peak	Data 1 Site : RSCW1-S2 Condition : PEAK_BE_74 3m HP_ANT_91280_1355_83 HORIZONTAL Project : RBN/1800_0000Hz_VBW/3.0000Hz Mode : R62789 Plane : Mode 3 SW : R3X080026 Plane : Y With Accessory	Data 3 Site : RSCW1-S2 Condition : PEAK_74 3m HP_ANT_91280_1355_83 HORIZONTAL Project : RBN/1800_0000Hz_VBW/3.0000Hz Mode : R62789 Plane : Mode 3 SW : R3X080026 Plane : Y With Accessory
Avg.	Data 2 Site : RSCW1-S2 Condition : AVG_BE_54 3m HP_ANT_91280_1355_83 HORIZONTAL Project : RBN/1800_0000Hz_VBW/3.0000Hz Mode : R62789 Plane : Mode 3 SW : R3X080026 Plane : Y With Accessory	Data 4 Site : RSCW1-S2 Condition : AVG_54 3m HP_ANT_91280_1355_83 HORIZONTAL Project : RBN/1800_0000Hz_VBW/3.0000Hz Mode : R62789 Plane : Mode 3 SW : R3X080026 Plane : Y With Accessory



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
	Horizontal	Fundamental
Peak	Date: 5 Level (dBuV/m) Date: 2018-07-06  Site : 83CH81-S2 Condition : PEAK_RE_74 3m HF_ANT_91280_1355_83 HORIZONTAL Rbw: 1000.000KHz VBW: 3000.000KHz Project : REC789 Mode : Mode 2 SN : R70X08026 Plane : Y With Accessory	-
Avg.	Date: 5 Level (dBuV/m) Date: 2018-07-06  Site : 83CH81-S2 Condition : AVG_RE_54 3m HF_ANT_91280_1355_83 HORIZONTAL Rbw: 1000.000KHz VBW: 3.000KHz Project : REC789 Mode : Mode 3 SN : R70X08026 Plane : Y With Accessory	-



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
	Vertical	Fundamental
Peak	Date: 7 Level (dBuV/m) Site : 83CMB1-S2 Condition : PEAK_24 3m HF_ANT(3117)_119436 VERTICAL Project : 862789 Mode : Mode 3 SN : 873X08026 Plane : Y With Accessory	Date: 9 Level (dBuV/m) Site : 83CMB1-S2 Condition : PEAK_24 3m HF_ANT(3117)_119436 VERTICAL Project : 862789 Mode : Mode 3 SN : 873X08026 Plane : Y With Accessory
Avg.	Date: 8 Level (dBuV/m) Site : 83CMB1-S2 Condition : AVG_24 3m HF_ANT(3117)_119436 VERTICAL Project : 862789 Mode : Mode 3 SN : 873X08026 Plane : Y With Accessory	Date: 10 Level (dBuV/m) Site : 83CMB1-S2 Condition : AVG_24 3m HF_ANT(3117)_119436 VERTICAL Project : 862789 Mode : Mode 3 SN : 873X08026 Plane : Y With Accessory



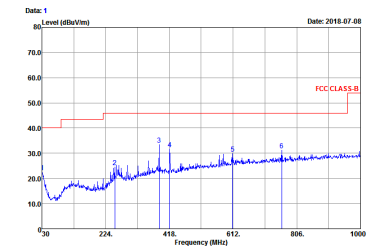
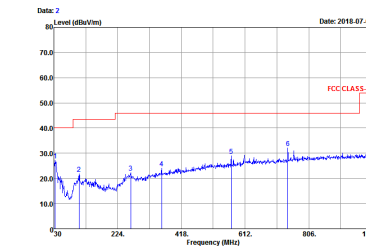
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
	Vertical	Fundamental
Peak	Date: 11 Level (dBuV/m) Date: 2018-07-06 PEAK_RE_74 Site : 83CMB1-S2 Condition : PEAK_RE_74 3m HF_ANT(3117)_119436 VERTICAL RBW: 1000.000KHz VBW: 3.000KHz Project : 862789 Mode : Mode 2 SN : 870308026 Plane : Y With Accessory	-
Avg.	Date: 12 Level (dBuV/m) Date: 2018-07-06 AVG_RE_54 Site : 83CMB1-S2 Condition : AVG_RE_54 3m HF_ANT(3117)_119436 VERTICAL RBW: 1000.000KHz VBW: 3.000KHz Project : 862789 Mode : Mode 3 SN : 870308026 Plane : Y With Accessory	-



2.4GHz 2400~2483.5MHz
BLE (Harmonic @ 3m)

ANT	BLE CH19 2440MHz	
	Horizontal	Vertical
Peak Avg.	Date: 17 Level (dBuV/m) Frequency (MHz) Site : 83CH01-SZ Condition : PEAK_74 3m HP_ANT_91280_1355_03 HORIZONTAL Project : 862789 Mode : Mode 3 SM : 875A00026 Plane : Y With Accessory	Date: 18 Level (dBuV/m) Frequency (MHz) Site : 83CH01-SZ Condition : PEAK_74 3m HP_ANT_91280_1355_03 VERTICAL Project : 862789 Mode : Mode 3 SM : 875A00026 Plane : Y With Accessory

Emission below 1GHz
2.4GHz BLE (LF)

BLE	2.4GHz 2400~2483.5MHz	
ANT	BLE LF	
	Horizontal	Vertical
QP / Peak	 Site : 83CMB1-S2 Condition : FCC CLASS-B 3m LF_ANT(35487)_6 HORIZONTAL Project : 862799 Mode : Mode 4 SM : 83500R005 Plane : Y With Accessory	 Site : 83CMB1-S2 Condition : FCC CLASS-B 3m LF_ANT(35487)_6 VERTICAL Project : 862799 Mode : Mode 4 SM : 83500R005 Plane : Y With Accessory

Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
Bluetooth - LE	61.78	0.388	2.577	3kHz

Bluetooth - LE

