

RADIO TEST REPORT

The device described below is tested by Dongguan Nore Testing Center Co., Ltd. to determine the maximum emission levels emanating from the device, the severe levels which the device can endure and E.U.T.'s performance criterion. The test results, data evaluation, test procedures, and equipment of configurations shown in this report were made in accordance with the procedures in ANSI C63.10(2013).

Applicant : Dongguan SmartAction Technology Co.,Ltd
Address : Room 1108, Building D, First Place, Nancheng District, Dongguan, China
Manufacturer /Factory : Zhuhai SPARK Electronic Equipment Co., Ltd.
Address : No.9, Lianfa Road, Shuanglin Zone, Liangang Industrial Park, Zhuhai, Guangdong, China
E.U.T. : High Resolution Music Player
Brand Name : HiBy
Model No. : HiBy R6 Pro
FCC ID : 2AOBQ-HIBYR6PRO
Measurement Standard : 47 CFR FCC PART 15 Subpart E (section 407)
Date of Receiver : December 03, 2018
Date of Test : December 03, 2018 to January 15, 2019
Date of Report : January 15, 2019
This Test Report is Issued Under the Authority of :

Prepared by



Knight Wen / Engineer

Approved & Authorized Signer



Lori Fan / Authorized Signatory

This test report is for the customer shown above and their specific product only. This report applies to above tested sample only and shall not be reproduced in part without written approval of Dongguan Nore Testing Center Co., Ltd.

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Revision History of This Test Report

Report Number	Description	Issued Date
NTC1812190FV00	Initial Issue	2019-01-15

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test

E.U.T.	: High Resolution Music Player
Main Model Name	: HiBy R6 Pro
Additional Model name	: N/A
Description of model difference	: N/A
Brand Name	: HiBy
Rating	: DC 9V/1.5A or DC 5V/2.5A From Adapter DC 3.7V From Li-ion Battery
Adapter	: N/A
Test Voltage	: AC 120V/60Hz, AC 240V/60Hz, DC 3.7V From Li-Ion Battery (Only the worst case was recorded in this report)
Cable	: Type-C Line: 0.89m shielded Audio Line 4.4mm to 2.5mm: 1.05m unshielded (Declaration by manufacturer)
I/O Port	: N/A
Hardware version	: V1.2
Software version	: V1.0
Remark	: N/A

Technical parameters

For 5G Band

Frequency Range	: 5150-5250MHz 5725-5850MHz
Modulation type	: 16-QAM, QPSK, BPSK for 802.11a 64-QAM,16-QAM, QPSK, BPSK for 802.11n
Modulation Technology	: OFDM
Number of Channel	: 802.11a/n(HT20): 9 802.11n(HT40): 4
Data rate	: 802.11a: 6~54Mbps 802.11n(HT20): MCS 0~7 802.11n(HT40): MCS 0~7
Antenna Type	: Integral Antenna
Antenna Gain	: 2.0 dBi

Channel list for 5GHz Band

Band 5180~5240MHz			
802.11a/n(HT20)		802.11n(HT40)	
Channel	Frequency MHz	Channel	Frequency MHz
36	5180	38	5190
40	5200	46	5230
44	5220		
48	5240		

Band 5745~5825MHz			
802.11a/n(HT20)		802.11n(HT40)	
Channel	Frequency MHz	Channel	Frequency MHz
149	5745	151	5755
153	5765	159	5795
157	5785		
161	5805		
165	5825		

Note: According to section 15.31(m), regards to the operating frequency range over 10MHz, the Lowest, Middle, and the Highest frequency of channel were selected to perform the test. The selected frequency see below:

Band 5180~5240MHz		Band 5745~5825MHz	
802.11a/n(HT20)		802.11a/n(HT20)	
Channel	Frequency MHz	Channel	Frequency MHz
36	5180	149	5745
40	5200	157	5785
48	5240	165	5825
802.11n(HT40)		802.11n(HT40)	
38	5190	151	5755
46	5230	159	5795

Test SW version	QRCT.exe
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1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **2AOBQ-HIBYR6PRO** filing to comply with Section 15.407 of the FCC Part 15 subpart E(2016) Rule.

1.3 Test Methodology

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013). Radiated emission measurement was performed in semi-anechoic chamber and conducted emission measurement was performed in shield room. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters. All other measurements were made in accordance with the procedures in 47 CFR part 2.

1.4 Equipment Modifications

Not available for this EUT intended for grant.

1.5 Support Device

Notebook	:	Manufacturer: Lenovo Model: TP00067A P/N: SL10G10768 S/N: PF-0DS3YC 15/12 CE, FCC: DOC
Adapter (For notebook)	:	Manufacturer: Lenovo Model: ADLX65NLC3A I/P: AC 100-240V 50-60Hz, 1.8A O/P: DC 20V 3.25A
Adapter	:	Manufacturer: Salcomp Model: HW-059200CHQ Input: AC100-240V 50/60Hz 0.5A Output: DC 5.0V 2.0A Or 9V 2A

1.6 Test Facility and Location

Site Description

EMC Lab : Listed by CNAS, August 13, 2018
The certificate is valid until August 13, 2024
The Laboratory has been assessed and proved to
be in compliance with CNAS/CL01
The Certificate Registration Number is L5795.

Listed by A2LA, November 01, 2017
The certificate is valid until December 31, 2019
The Laboratory has been assessed and proved to
be in compliance with ISO17025
The Certificate Registration Number is 4429.01

Listed by FCC, November 06, 2017
The Designation Number is CN1214
Test Firm Registration Number: 907417

Listed by Industry Canada, June 08, 2017
The Certificate Registration Number. Is 46405-9743
Name of Firm : Dongguan Nore Testing Center Co., Ltd.
(Dongguan NTC Co., Ltd.)

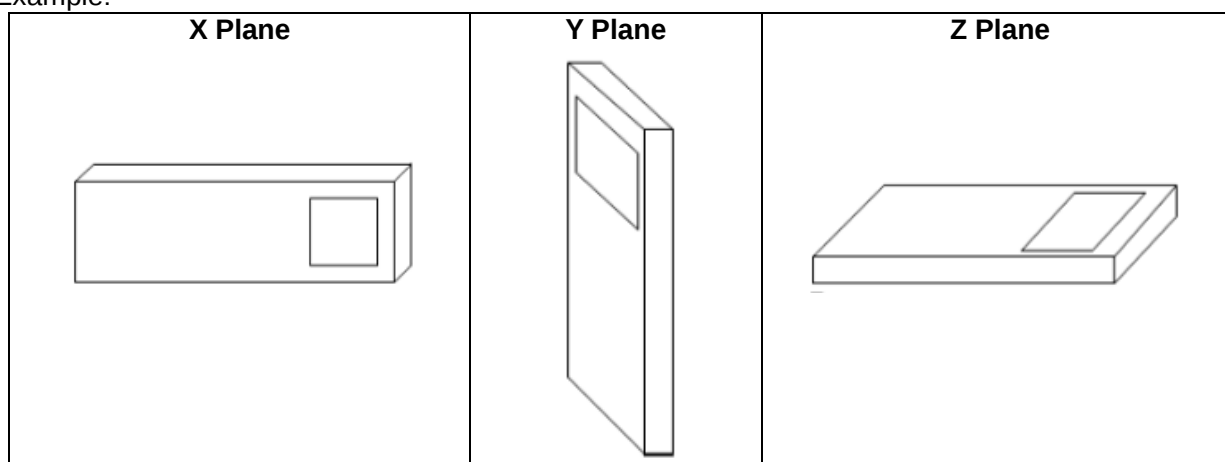
Site Location : Building D, Gaosheng Science and Technology
Park, Hongtu Road, Nancheng District, Dongguan
City, Guangdong Province, China

1.7 Summary of Test Results

FCC Rules	Description Of Test	Uncertainty	Result
§15.207 (a)	AC Power Conducted Emission	±1.06dB	Compliant
§15.407(a)	Max. Conducted Output Power	±1.06dB	Compliant
§15.407(a)	26dB Spectrum Bandwidth and 99% Occupied Bandwidth	±1.42 x10 ⁻⁴ %	Compliant
§15.407(e)	6dB Bandwidth	±1.42 x10 ⁻⁴ %	Compliance
§15.407(a)	Power Spectral Density	±1.70dB	Compliance
§15.407(b) §15.205	Radiated Emissions	±3.70dB	Compliance
§15.407(b)	Band Edge Emissions	±1.06dB	Compliance
§15.407(g)	Frequency Stability	±8.42 x10 ⁻⁸	Compliance
§15.203	Antenna Requirement	---	Compliance

Note: The EUT powered by battery and operating multiple positions, so the EUT shall be performed two or three orthogonal planes. The worst plane is Z.

Example:



2. System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 Special Accessories

Not available for this EUT intended for grant.

2.3 Description of test modes

The EUT has been tested under continuous operating condition. Test program used to control the EUT staying in continuous transmitting mode. The Lowest, middle and highest channel were chosen for testing, and modulation type 64-QAM, 16-QAM, QPSK, BPSK and all data rate were tested. But only the worst case data is shown in this report.

2.4 EUT Exercise

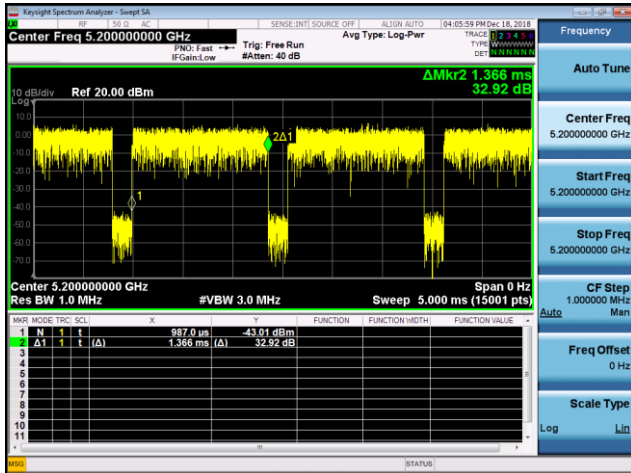
The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements.

2.5 Duty Cycle

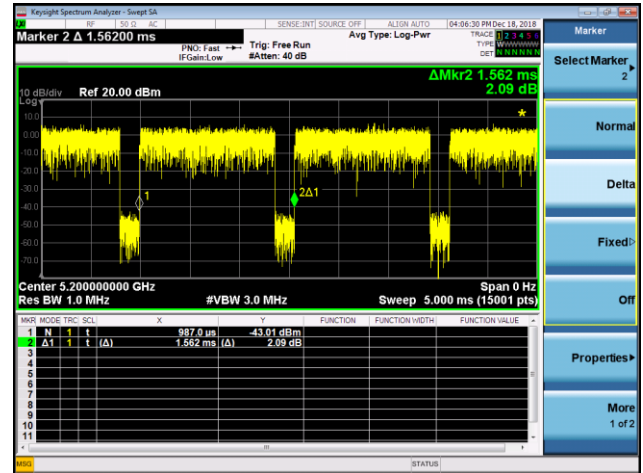
Operation Band (MHz)	Mode	Ton (ms)	Ton+off (ms)	Duty Cycle (%)	1/T minimum VBW (kHz)
5150~5250	802.11a	1.366	1.562	87.45	0.196
	802.11n(HT20)	1.278	1.474	86.70	0.196
	802.11n(HT40)	0.6383	0.8354	76.41	0.197
5725~5850	802.11a	1.367	1.562	87.52	0.195
	802.11n(HT20)	1.278	1.474	86.70	0.196
	802.11n(HT40)	0.6384	0.8353	76.43	0.197

Band 1 5150-5250MHz IEEE 802.11a

Ton

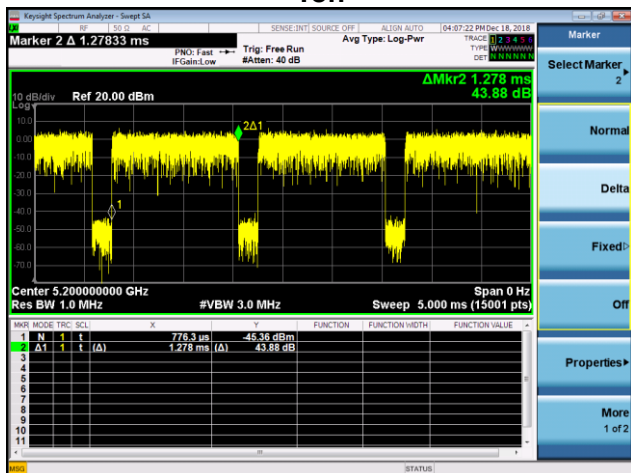


Ton+off

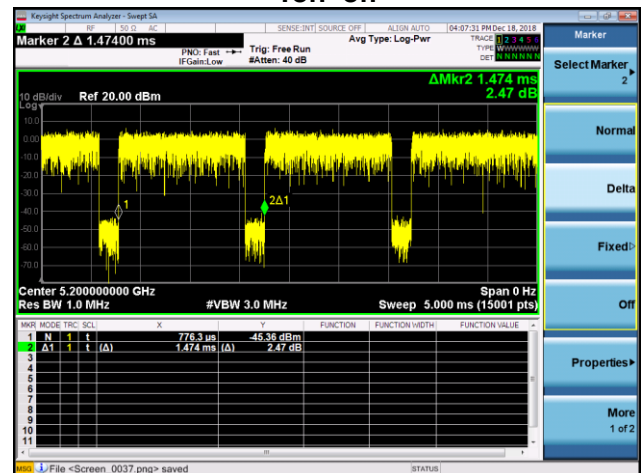


IEEE 802.11n(HT20)

Ton

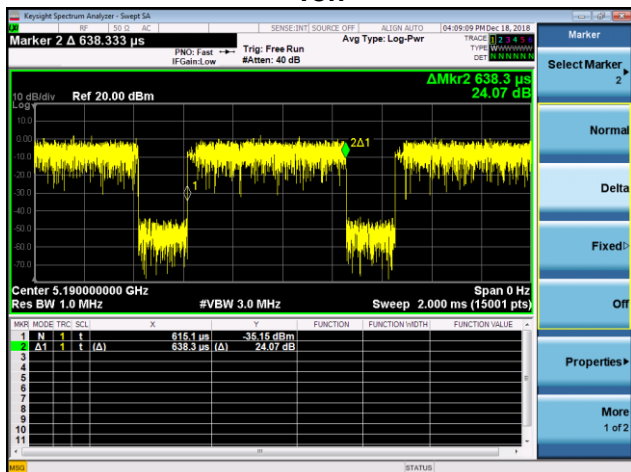


Ton+off

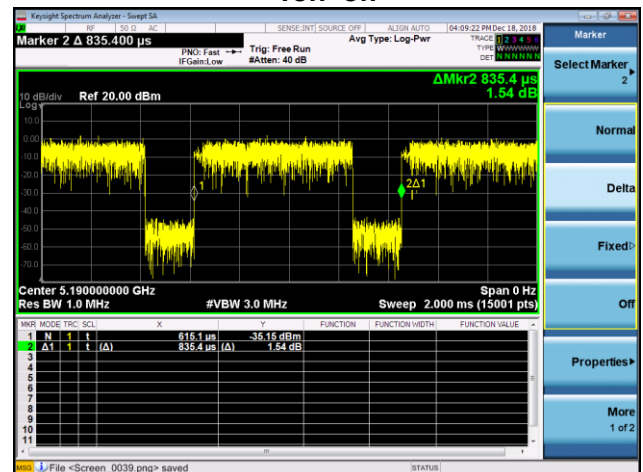


IEEE 802.11n(HT40)

Ton

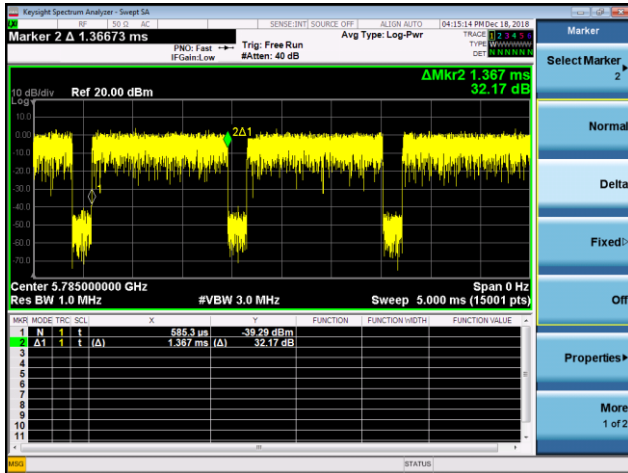


Ton+off

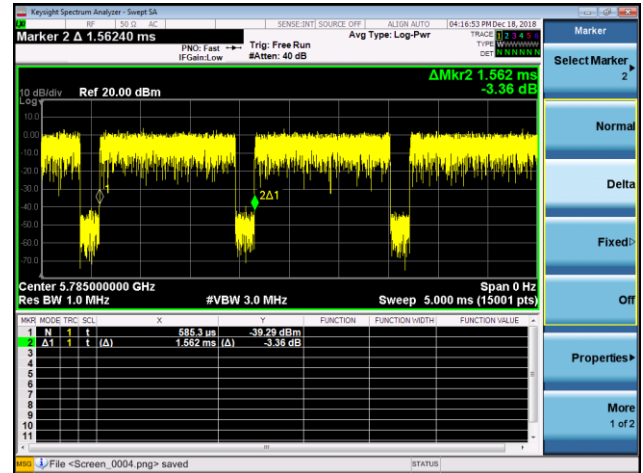


Band 4 5745-5825MHz IEEE 802.11a

Ton

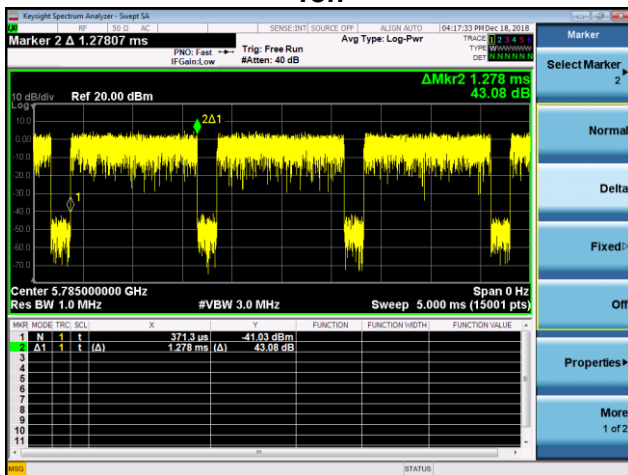


Ton+off

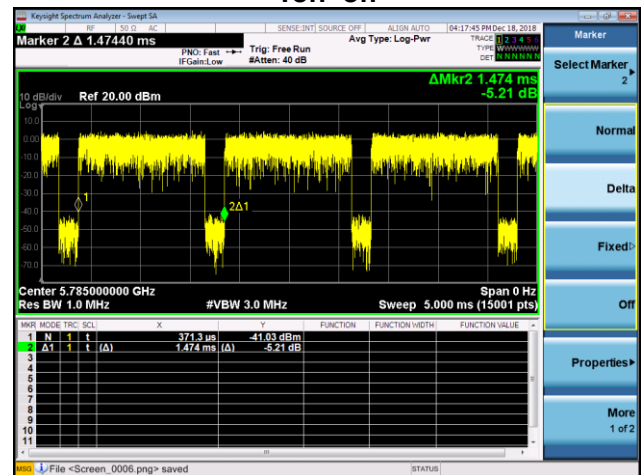


IEEE 802.11n(HT20)

Ton

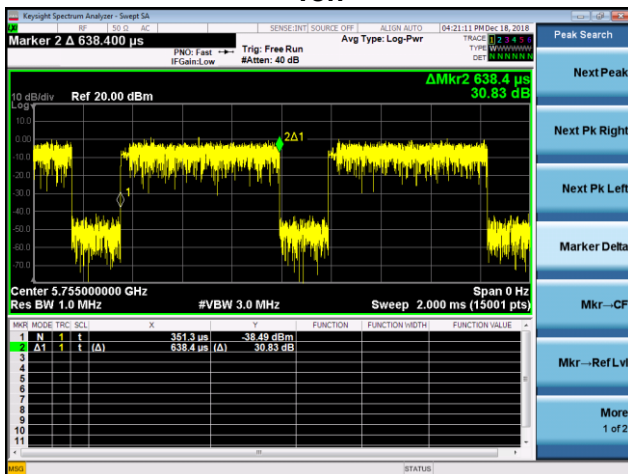


Ton+off

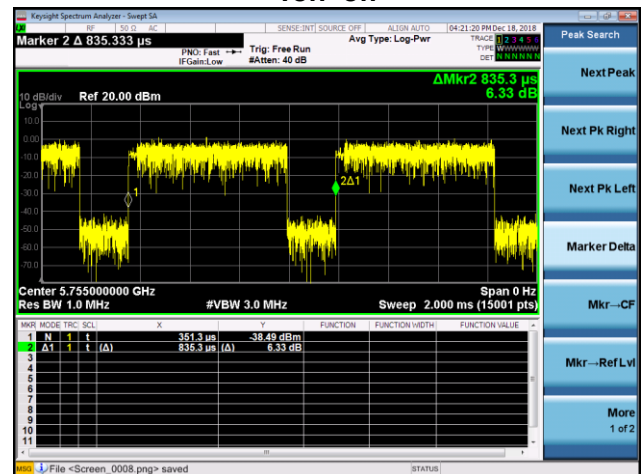


IEEE 802.11n(HT40)

Ton

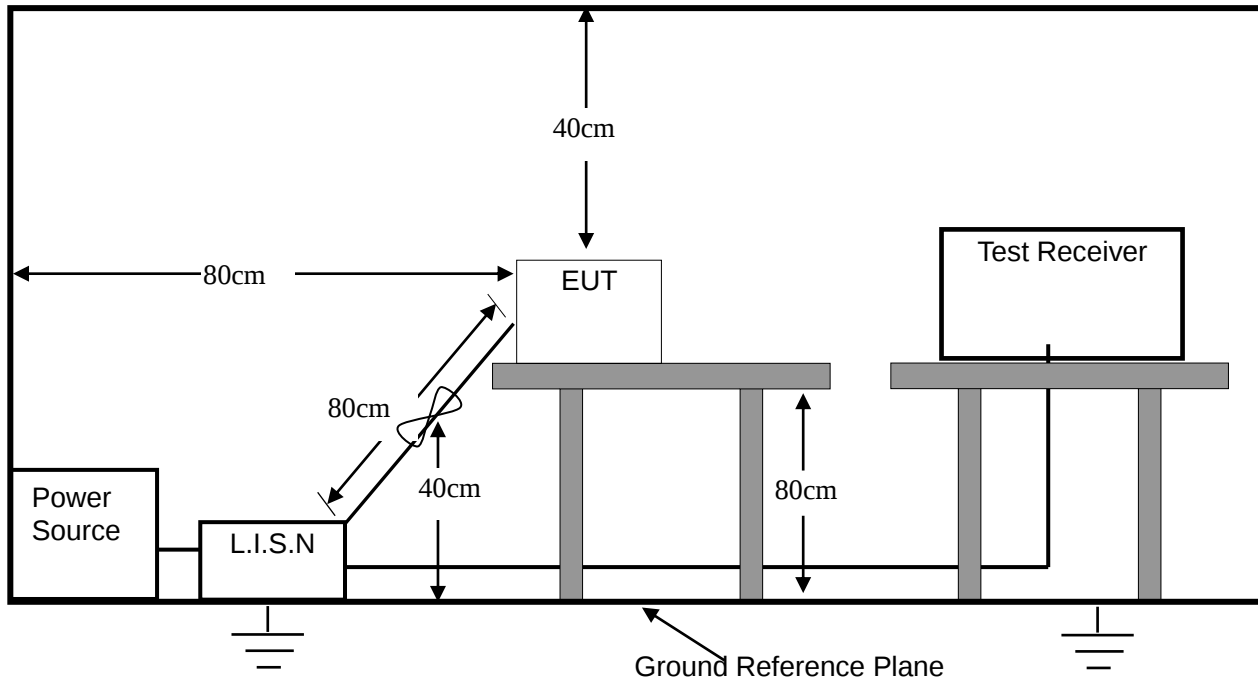


Ton+off



3. Conducted Emissions Test

3.1 Test SET-UP (Block Diagram of Configuration)



3.2 Test Condition

Test Requirement: FCC Part 15.207

Frequency Range: 150KHz ~ 30MHz

Detector: RBW 9KHz, VBW 30KHz

Operation Mode: TX (5G WIFI Band1), TX (5G WIFI Band4)

3.3 Measurement Results

For 5G WIFI Band 1

Please refer to following plots of the worst case: 802.11n(HT20) High Channel.

For 5G WIFI Band 4

Please refer to following plots of the worst case: 802.11n(HT20) Low Channel.



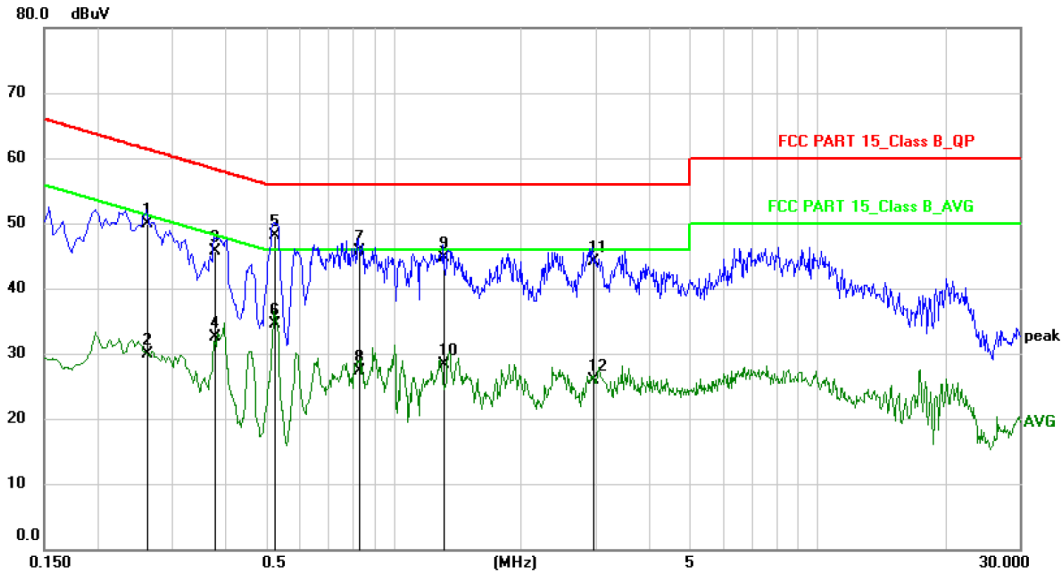
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Web: [Http://www.ntc-c.com](http://www.ntc-c.com)

Conducted Emission Measurement

Data : #6

Date: 2018-12-7

Time: 16:18:38



Site

Phase: **L1**

Temperature: 26

Limit: FCC PART 15_Class B_QP

Power: AC120V/60Hz

Humidity: 50 %

EUT: High Resolution Music Player

M/N: HiBy R6 Pro

Mode: TX(5G Band 1)

Note: 802.11n(HT20) High Channel

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2620	39.39	10.61	50.00	61.37	-11.37	QP	
2		0.2620	19.29	10.61	29.90	51.37	-21.47	AVG	
3		0.3780	35.19	10.61	45.80	58.32	-12.52	QP	
4		0.3780	21.99	10.61	32.60	48.32	-15.72	AVG	
5	*	0.5220	37.58	10.62	48.20	56.00	-7.80	QP	
6		0.5220	23.88	10.62	34.50	46.00	-11.50	AVG	
7		0.8300	35.06	10.64	45.70	56.00	-10.30	QP	
8		0.8300	16.76	10.64	27.40	46.00	-18.60	AVG	
9		1.3099	34.05	10.65	44.70	56.00	-11.30	QP	
10		1.3099	17.65	10.65	28.30	46.00	-17.70	AVG	
11		2.9539	33.55	10.65	44.20	56.00	-11.80	QP	
12		2.9539	15.35	10.65	26.00	46.00	-20.00	AVG	

!:Maximum data x:Over limit !:over margin

<Reference Only



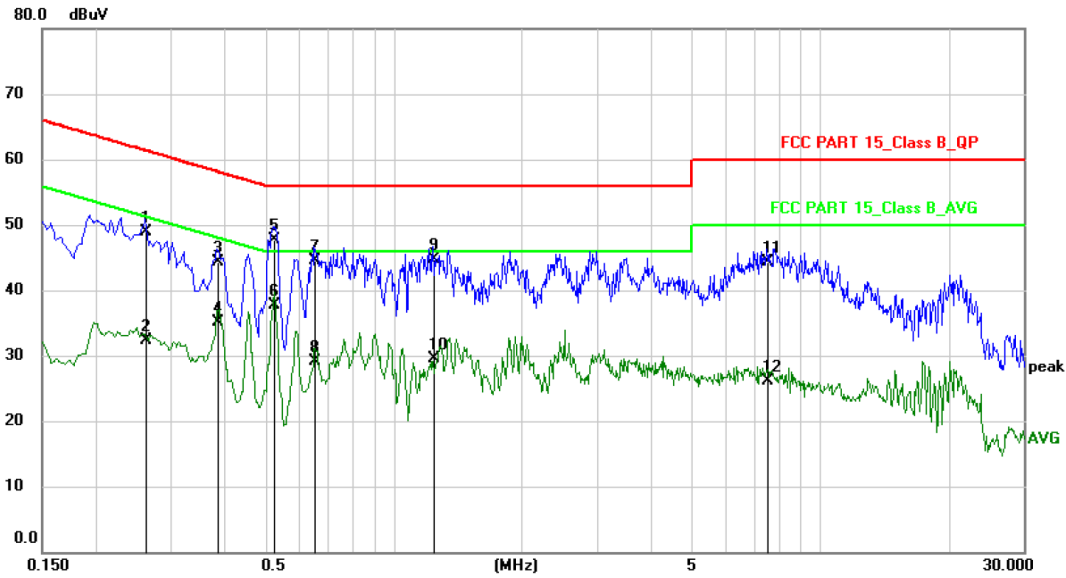
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Conducted Emission Measurement

Data :#5

Date: 2018-12-7

Time: 16:11:42



Site: _____ Phase: **N** Temperature: 26
Limit: FCC PART 15_Class B_QP Power: AC120V/60Hz Humidity: 50 %
EUT: High Resolution Music Player
M/N: HiBy R6 Pro
Mode: TX(5G Band 1)
Note: 802.11n(HT20) High Channel

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2620	38.29	10.61	48.90	61.37	-12.47	QP	
2		0.2620	21.69	10.61	32.30	51.37	-19.07	AVG	
3		0.3860	33.69	10.61	44.30	58.15	-13.85	QP	
4		0.3860	24.49	10.61	35.10	48.15	-13.05	AVG	
5		0.5220	37.08	10.62	47.70	56.00	-8.30	QP	
6	*	0.5220	27.18	10.62	37.80	46.00	-8.20	AVG	
7		0.6540	33.97	10.63	44.60	56.00	-11.40	QP	
8		0.6540	18.47	10.63	29.10	46.00	-16.90	AVG	
9		1.2379	34.05	10.65	44.70	56.00	-11.30	QP	
10		1.2379	18.95	10.65	29.60	46.00	-16.40	AVG	
11		7.5217	33.74	10.66	44.40	60.00	-15.60	QP	
12		7.5217	15.54	10.66	26.20	50.00	-23.80	AVG	

*:Maximum data x:Over limit !:over margin

(Reference Only)



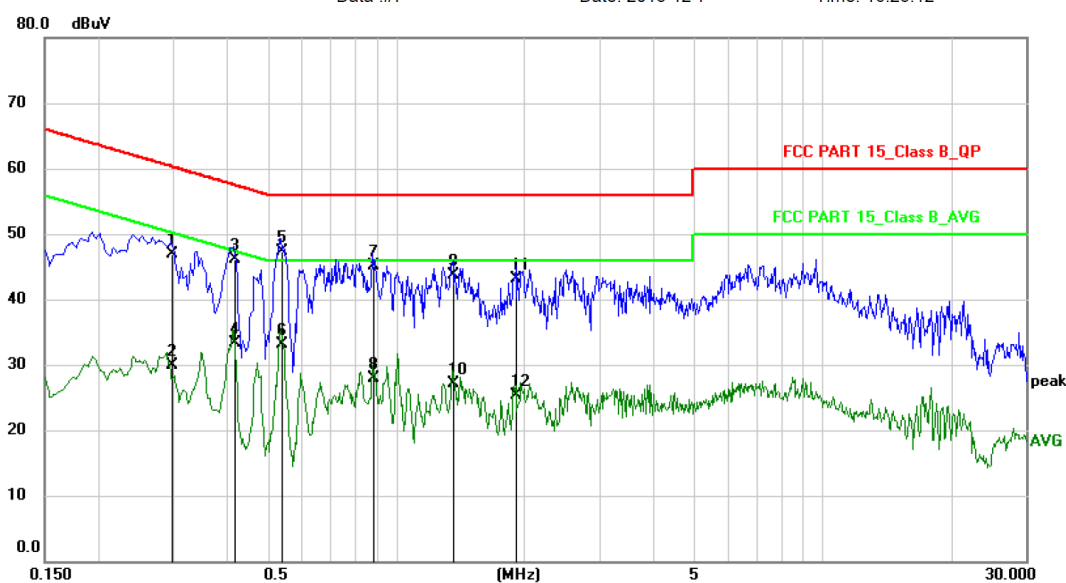
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Conducted Emission Measurement

Data :#7

Date: 2018-12-7

Time: 16:25:12



Site: _____ Phase: **L1** Temperature: 26
Limit: FCC PART 15_Class B_QP Power: AC120V/60Hz Humidity: 50 %
EUT: High Resolution Music Player
M/N: HiBy R6 Pro
Mode: TX(5G Band 4)
Note: 802.11n(HT20) Low channel

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2977	36.39	10.61	47.00	60.31	-13.31	QP	
2		0.2977	19.29	10.61	29.90	50.31	-20.41	AVG	
3		0.4178	35.48	10.62	46.10	57.49	-11.39	QP	
4		0.4178	22.78	10.62	33.40	47.49	-14.09	AVG	
5	*	0.5380	36.78	10.62	47.40	56.00	-8.60	QP	
6		0.5380	22.58	10.62	33.20	46.00	-12.80	AVG	
7		0.8820	34.46	10.64	45.10	56.00	-10.90	QP	
8		0.8820	17.26	10.64	27.90	46.00	-18.10	AVG	
9		1.3619	33.15	10.65	43.80	56.00	-12.20	QP	
10		1.3619	16.55	10.65	27.20	46.00	-18.80	AVG	
11		1.9100	32.45	10.65	43.10	56.00	-12.90	QP	
12		1.9100	14.65	10.65	25.30	46.00	-20.70	AVG	

*:Maximum data x:Over limit !:over margin

(Reference Only)



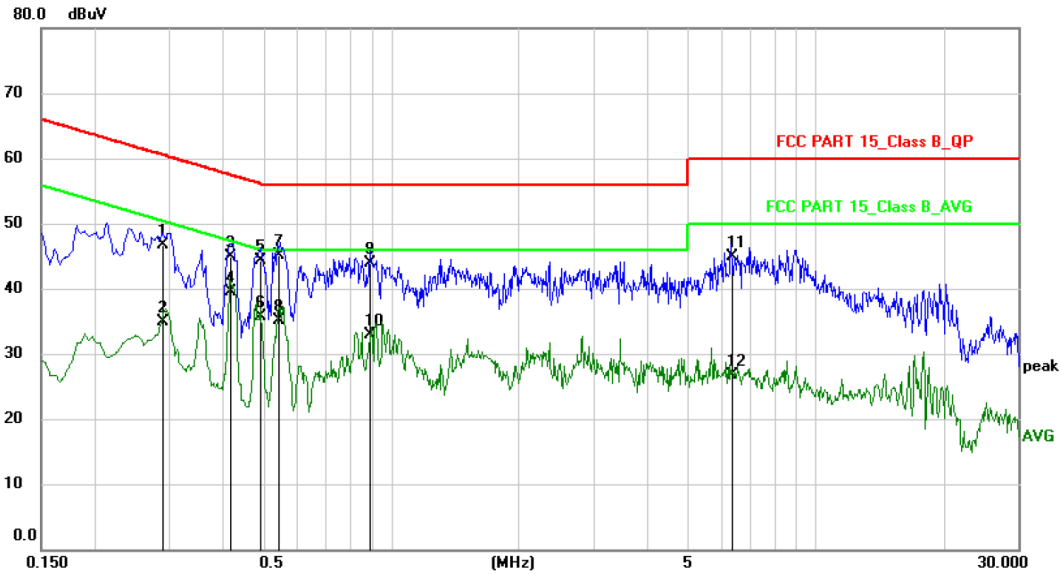
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Conducted Emission Measurement

Data :#8

Date: 2018-12-7

Time: 16:32:19



Site
Limit: FCC PART 15_Class B_QP
EUT: High Resolution Music Player
M/N: HiBy R6 Pro
Mode: TX(5G Band 4)
Note: 802.11n(HT20) Low channel

Phase: **N** Temperature: 26
Power: AC120V/60Hz Humidity: 50 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2900	36.09	10.61	46.70	60.52	-13.82	QP	
2		0.2900	24.29	10.61	34.90	50.52	-15.62	AVG	
3		0.4178	34.38	10.62	45.00	57.49	-12.49	QP	
4	*	0.4178	28.88	10.62	39.50	47.49	-7.99	AVG	
5		0.4939	33.78	10.62	44.40	56.10	-11.70	QP	
6		0.4939	25.18	10.62	35.80	46.10	-10.30	AVG	
7		0.5420	34.58	10.62	45.20	56.00	-10.80	QP	
8		0.5420	24.58	10.62	35.20	46.00	-10.80	AVG	
9		0.8900	33.36	10.64	44.00	56.00	-12.00	QP	
10		0.8900	22.36	10.64	33.00	46.00	-13.00	AVG	
11		6.3418	34.34	10.66	45.00	60.00	-15.00	QP	
12		6.3418	16.04	10.66	26.70	50.00	-23.30	AVG	

*:Maximum data x:Over limit !:over margin

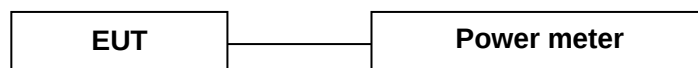
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4. Max. Conducted Output Power

4.1 Limits

Operation Band	EUT category	Limit
■5180~5240MHz	□Outdoor Access Point	1 Watt (30dBm) (Max. e.i.r.p ≤ 125mW(21dBm) at any elevation angle above 30 degrees as measured from the horizon)
	□Fixed point-to-point Access Point	1 Watt (30dBm)
	■Indoor Access Point	1 Watt (30dBm)
	□Mobile and Portable client device	250mW (24dBm)
■5745~5825MHz	-	1 Watt (30dBm)

4.2 Test SET-UP (Block Diagram of Configuration)



4.3 Test Procedure

1. The transmitter output (antenna port) was connected to the power meter.
2. Test was performed in accordance with KDB789033 v01r03 for compliance testing of Unlicensed National Information Infrastructure (U-NII) Device -section (E) Maximum conducted output power. =3. Measurement using a power meter (PM) =b Method PM-G (Measurement using a gated RF average power meter).

4.4 Measurement Results

Pass

Please refer to following table.

Temperature :	23 °C	Humidity :	52%
Test By:	Lee	Test Date :	December 18, 2018
Test Result:	PASS		
Frequency MHz	Data Rate Mbps	Peak Output Power dBm	Limit dBm
IEEE 802.11a Mode (OFDM, Antenna Gain=2.0dBi)			
Low Channel 5180	6	10.41	30
Middle Channel 5200	6	10.75	30
High Channel 5240	6	11.27	30
IEEE 802.11n(HT20) Mode (OFDM, Antenna Gain=2.0dBi)			
Low Channel 5180	MCS0	10.40	30
Middle Channel 5200	MCS0	10.85	30
High Channel 5240	MCS0	11.36	30
IEEE 802.11n(HT40) Mode (OFDM, Antenna Gain=2.0dBi)			
Low Channel 5190	MCS0	10.62	30
High Channel 5230	MCS0	11.30	30

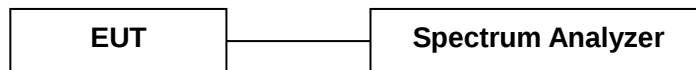
Temperature :	22 °C	Humidity :	54%
Test By:	Lee	Test Date :	December 18, 2018
Test Result:	PASS		
Frequency MHz	Data Rate Mbps	Peak Output Power dBm	Limit dBm
IEEE 802.11a Mode (OFDM)			
Low Channel 5745	6	9.56	30
Middle Channel 5785	6	9.26	30
High Channel 5825	6	8.70	30
IEEE 802.11n(HT20) Mode (OFDM)			
Low Channel 5745	MCS0	9.64	30
Middle Channel 5785	MCS0	9.45	30
High Channel 5825	MCS0	8.84	30
IEEE 802.11n(HT40) Mode (OFDM)			
Low Channel 5755	MCS0	9.37	30
High Channel 5795	MCS0	9.12	30

5. 6dB Bandwidth

5.1 Limits

For digital modulation systems, the minimum 6dB bandwidth shall be at least 500 kHz.

5.2 Test SET-UP (Block Diagram of Configuration)



5.3 Test Procedure

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer was set as below according to FCC KDB789033(v01r03):

1. For 6dB bandwidth, Set the RBW = 100KHz.
2. Set the VBW $\geq 3 \times$ RBW
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.4 Measurement Results

Pass

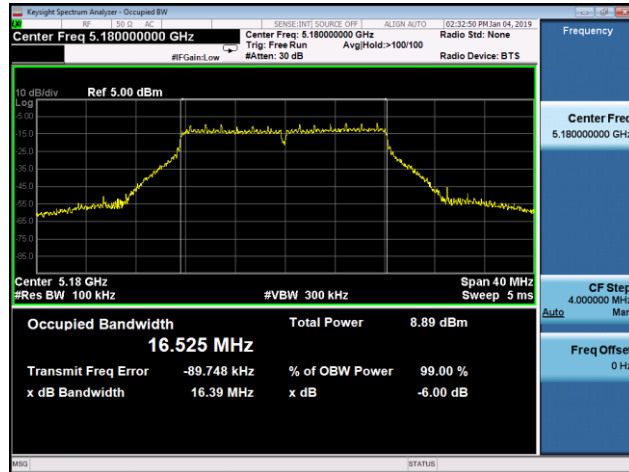
Please refer to following table and plots.

Temperature :	23 °C	Humidity :	52%
Test By:	Lee	Test Date :	January 04, 2019
Test Result:	PASS		
Frequency MHz	Data Rate Mbps	6dB Bandwidth MHz	Limit
IEEE 802.11a Mode (OFDM)			
Low Channel 5180	6	16.39	>500KHz
Middle Channel 5200	6	16.41	>500KHz
High Channel 5240	6	16.44	>500KHz
IEEE 802.11n(HT20) Mode (OFDM)			
Low Channel 5180	MCS0	17.61	>500KHz
Middle Channel 5200	MCS0	17.62	>500KHz
High Channel 5240	MCS0	17.65	>500KHz
IEEE 802.11n(HT40) Mode (OFDM)			
Low Channel 5190	MCS0	35.33	>500KHz
High Channel 5230	MCS0	35.31	>500KHz

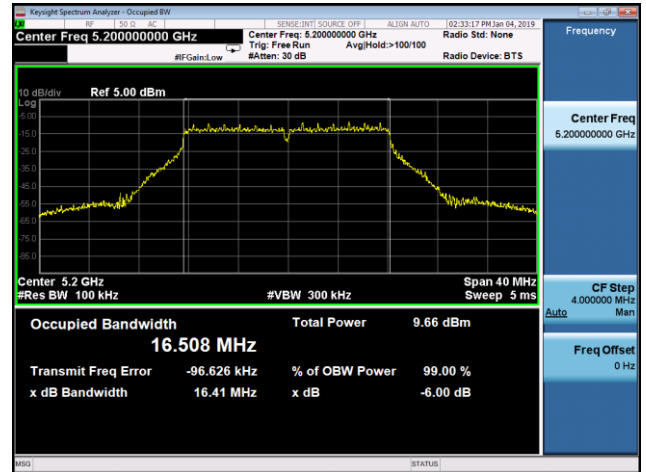
Temperature :	23 °C	Humidity :	52%
Test By:	Lee	Test Date :	January 04, 2019
Test Result:	PASS		
Frequency MHz	Data Rate Mbps	6dB Bandwidth MHz	Limit
IEEE 802.11a Mode (OFDM)			
Low Channel 5745	6	16.41	>500KHz
Middle Channel 5785	6	16.47	>500KHz
High Channel 5825	6	16.47	>500KHz
IEEE 802.11n(HT20) Mode (OFDM)			
Low Channel 5745	MCS0	17.65	>500KHz
Middle Channel 5785	MCS0	17.63	>500KHz
High Channel 5825	MCS0	17.64	>500KHz
IEEE 802.11n(HT40) Mode (OFDM)			
Low Channel 5755	MCS0	35.61	>500KHz
High Channel 5795	MCS0	35.42	>500KHz

Band 5150-5250MHz IEEE 802.11a

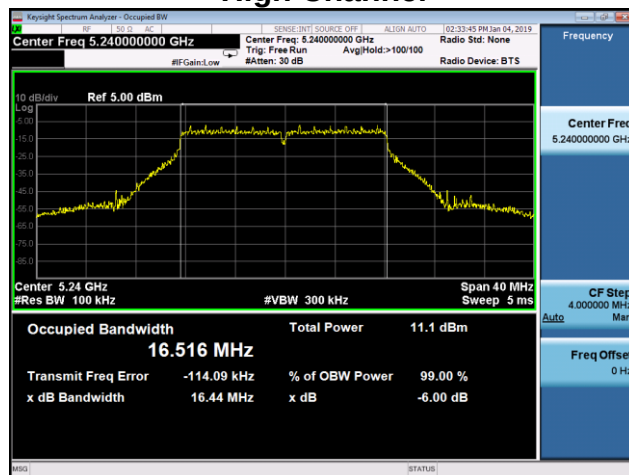
Low Channel



Middle Channel

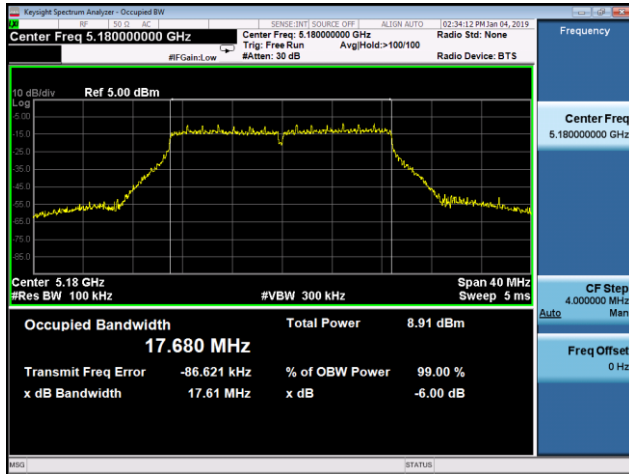


High Channel

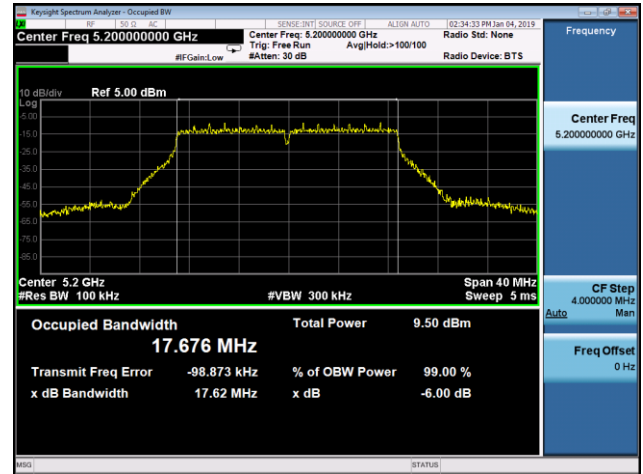


802.11n(HT20)

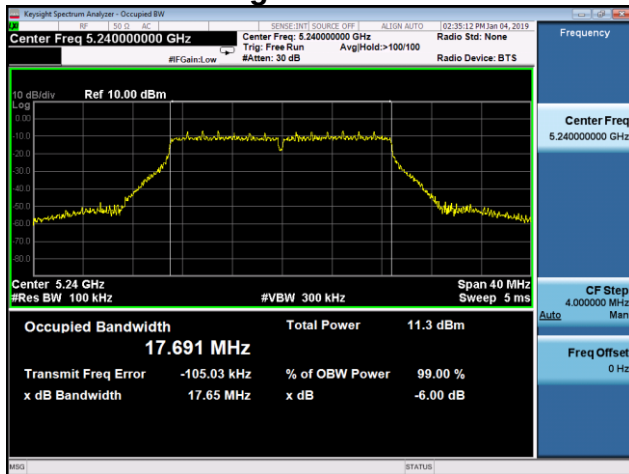
Low Channel



Middle Channel

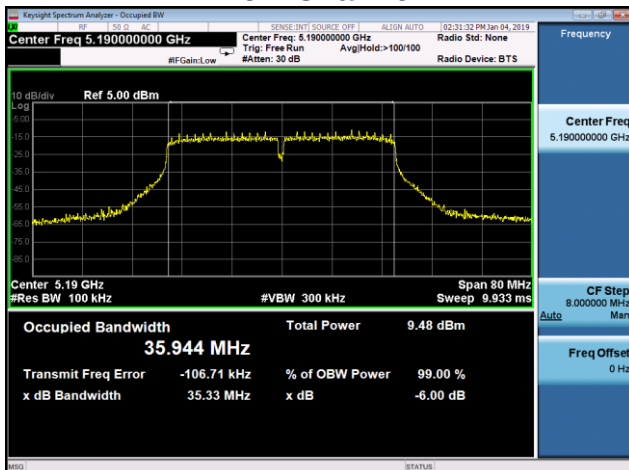


High Channel

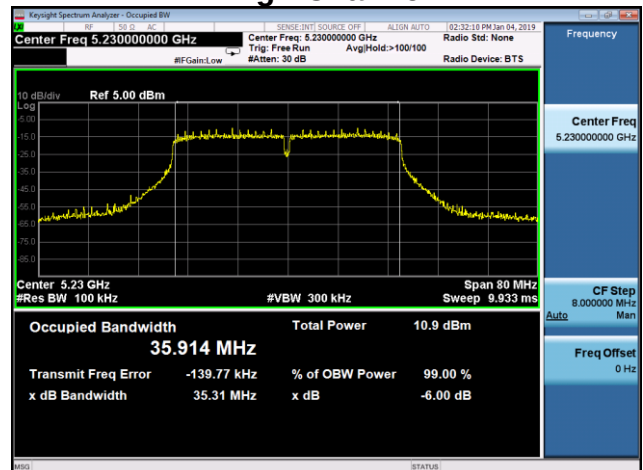


802.11n(HT40)

Low Channel

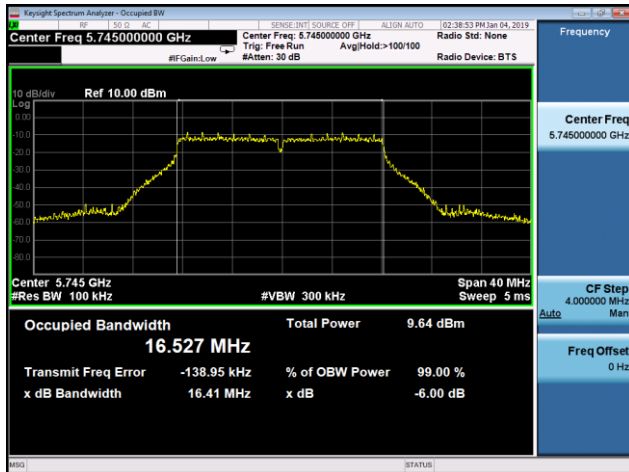


High Channel

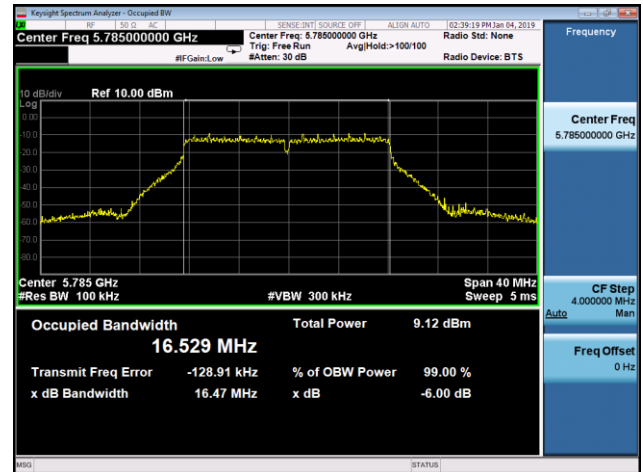


Band 5725-5850MHz IEEE 802.11a

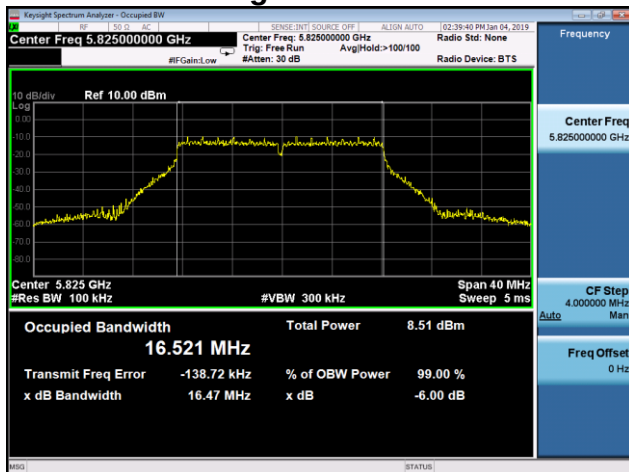
Low Channel



Middle Channel

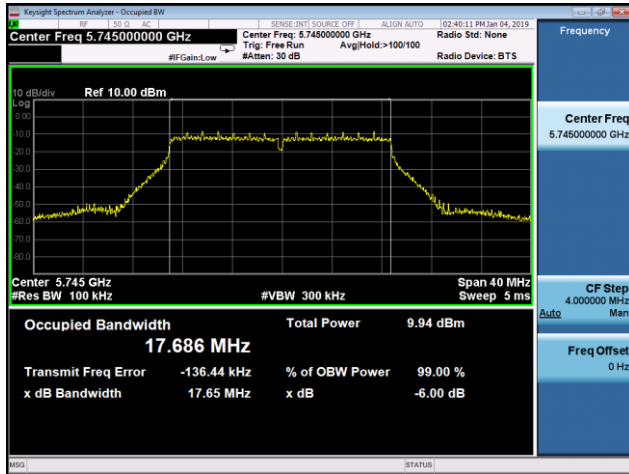


High Channel

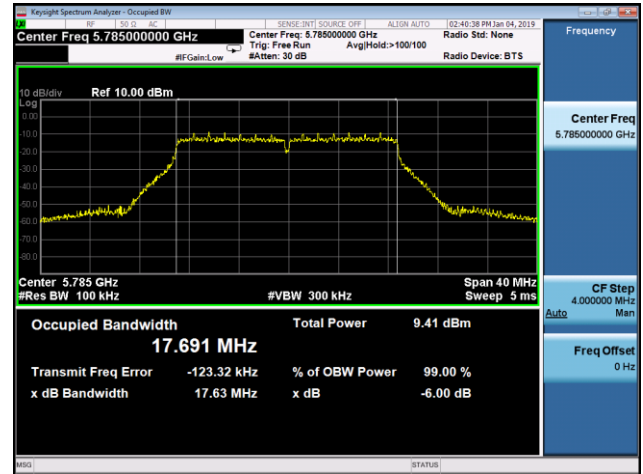


802.11n(HT20)

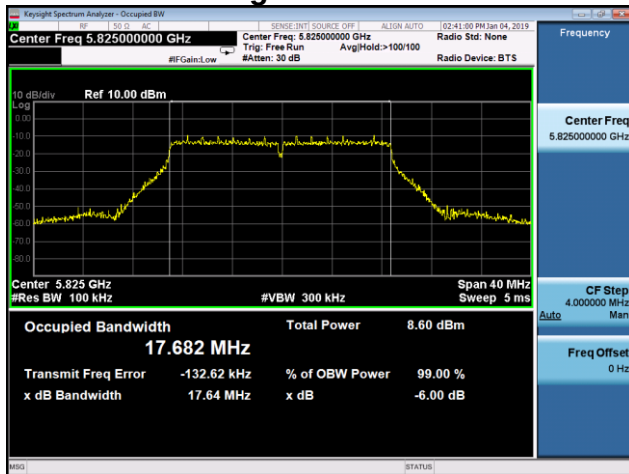
Low Channel



Middle Channel

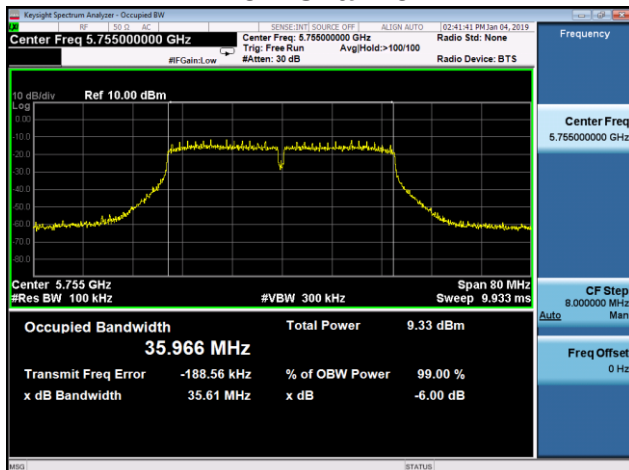


High Channel

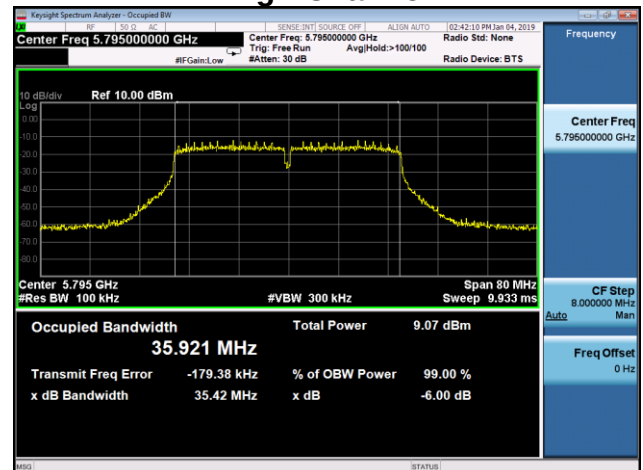


802.11n(HT40)

Low Channel



High Channel



6. 26dB Bandwidth & 99% Occupied Bandwidth

6.1 Limits

No restriction limits.

6.2 Test SET-UP (Block Diagram of Configuration)



6.3 Test Procedure

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer was set as below according to FCC KDB789033(v01r03):

1. For 26dB bandwidth, Set the RBW = Approximately 1% of the emission bandwidth
 2. Set the VBW > RBW
 3. Detector = peak.
 4. Sweep time = auto couple.
 5. Trace mode = max hold.
 6. Allow trace to fully stabilize.
 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.
-
1. For 99% occupied bandwidth, Set the RBW = 1% to 5% of the OBW
 2. Set the VBW $\geq 3 \times$ RBW
 3. Detector = peak.
 4. Span = 1.5 times to 5.0 times the OBW
 5. Sweep time = auto couple.
 6. Trace mode = max hold. Allow trace to fully stabilize.
 7. Use the 99% power bandwidth function of the spectrum analyzer measure the occupied bandwidth.

6.4 Measurement Results

Pass

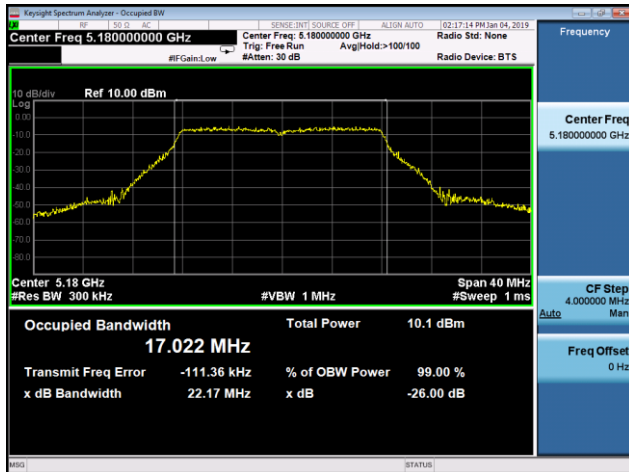
Please refer to following table and plots.

Temperature :	23 °C	Humidity :	52%
Test By:	Lee	Test Date :	January 04, 2019
Test Result:	PASS		
Frequency MHz	Data Rate Mbps	26dB Bandwidth MHz	99% Occupied Bandwidth MHz
IEEE 802.11a Mode (OFDM)			
Low Channel 5180	6	22.17	17.022
Middle Channel 5200	6	22.00	16.967
High Channel 5240	6	22.15	17.006
IEEE 802.11n(HT20) Mode (OFDM)			
Low Channel 5180	MCS0	22.35	18.045
Middle Channel 5200	MCS0	22.36	17.992
High Channel 5240	MCS0	22.46	18.003
IEEE 802.11n(HT40) Mode (OFDM)			
Low Channel 5190	MCS0	43.99	36.550
High Channel 5230	MCS0	43.87	36.491

Temperature :	23 °C	Humidity :	52%
Test By:	Lee	Test Date :	January 04, 2019
Test Result:	PASS		
Frequency MHz	Data Rate Mbps	26dB Bandwidth MHz	99% Occupied Bandwidth MHz
IEEE 802.11a Mode (OFDM)			
Low Channel 5745	6	22.25	17.098
Middle Channel 5785	6	22.60	17.059
High Channel 5825	6	21.67	16.926
IEEE 802.11n(HT20) Mode (OFDM)			
Low Channel 5745	MCS0	22.18	17.985
Middle Channel 5785	MCS0	22.72	18.021
High Channel 5825	MCS0	22.60	18.011
IEEE 802.11n(HT40) Mode (OFDM)			
Low Channel 5755	MCS0	44.17	36.556
High Channel 5795	MCS0	44.78	36.661

Band 5150-5250MHz IEEE 802.11a

Low Channel



Middle Channel



High Channel

