

FCC Test Report

Product Name : Asset Tracker

Brand Name : Samsara

Model No. : 010-2057, 010-2058, 010-2059

FCC ID : 2AIHD2057

Applicant : SAMSARA NETWORKS INC

Address : 1 De Haro St, San Francisco, CA 94107

Date of Receipt : Aug. 05, 2022

Issued Date : Aug. 31, 2022

Report No. : 2280191R-RFUSWL2V01-A

Report Version : V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement. The test report shall not be reproduced except in full without the written approval of DEKRA Testing and

Certification Co., Ltd.

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Report Version : V1.0





Product Name : Asset Tracker

Applicant : SAMSARA NETWORKS INC

Address : 1 De Haro St, San Francisco, CA 94107

: WISTRON NEWEB CORP. Manufacturer

Address : 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan

Brand Name : Samsara

Model No. : 010-2057, 010-2058, 010-2059

FCC ID : 2AIHD2057

EUT Voltage : EUT 1: DC 12V from external power source

> DC 3.6V from internal main source of li-ion battery DC 3.65V from internal second source of li-ion battery

EUT 2: DC 12V from external power source

DC 3.6V from internal main source of li-ion battery DC 3.65V from internal second source of li-ion battery

EUT 3: DC 4.5V from AA battery (AA battery*3)

Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247

ANSI C63.10: 2013

Laboratory Name : DEKRA Testing and Certification Co., Ltd.

Hsin Chu Laboratory

Address : No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu

County 310, Taiwan, R.O.C.

Test Result : Complied

Hailey Peng Documented By

(Hailey Peng / Senior Engineer)

Rueyyan. Lin Approved By

(Rueyyan Lin / Supervisor)

The test results relate only to the samples tested.

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Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Aug. 31, 2022

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1. General Information

1.1. EUT Description

Product Name	Asset Tracker			
Brand Name	Samsara			
Model No.	010-2057, 010-2058, 010-205	9		
Frequency Range /	IEEE 802.11b/g	2412 ~ 2472 MHz / 13 Channels		
Channel Number	IEEE 802.11n (20 MHz)	2412 ~ 2472 MHz / 13 Channels		
	IEEE 802.11n (40 MHz)	2422 ~ 2462 MHz / 9 Channels		
Type of Modulation	IEEE 802.11b	DSSS		
	IEEE 802.11g/n	OFDM		
Data Rate	IEEE 802.11b	1, 2, 5.5, 11 Mbps		
	IEEE 802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps		
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0 ~ MCS 7 and bandwidth defined in 802.11n		

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EUT	3 2 1					
Model	010-2057		010-2058		010-2059	
Туре	Crevasse*		Serac*		Avalanche*	
Key ICs		1		1		
Battery End-of-Service	N/A		MAX17260		MAX17260	
Monitoring						
CAN transceiver	N/A	MCP2	5625 or MCP2515	MCP2	5625 or MCP2515	
ADC Input	N/A		2x		2x	
Output	N/A		1x		1x	
CAN Bus	N/A		N/A		1x	
Power						
			Secondary Cell		Secondary Cell	
		EVE	(Lithium-ion)	EVE	(Lithium-ion)	
			18650 pack (3.6V)		18650 pack (3.6V)	
Primary Power source	3x Primary Cell L91		Secondary Cell		Secondary Cell	
		LISON	(Lithium-ion)	LISON	(Lithium-ion)	
		ERGY	18650 pack	ERGY	18650 pack	
			(3.65V)		(3.65V)	
External Power source	4.5 VDC		9~36 VDC		9~36 VDC	
Enclosure						
Rough dimensions	81 x 110 x 31 mm	12	4 x 81 x 35 mm	124	4 x 81 x 35 mm	
	Monopole Antenna	Мо	Monopole Antenna		Monopole Antenna	
LTEAntenna	(Antenna-AG51)	(Ante	nna-AG52/AG53)	(Ante	nna-AG52/AG53)	
Ambient Temp Rating	-40°C ~+60°C		-20°C ~+60°C		20°C ~+60°C	
Screw	Phillips	Hex	Hexalobular socket Hexalobular socket			
The manufacturer declares t	nat RF-related parts and so	ftware ar	e unchanged for thr	ee mode	els.	

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The EUT 1 (model: 010-2059) and EUT 2 (model: 010-2058) has two sources of battery for marketing:

Sources of Battery	Main Source	Second Source
Brand Name	EVE	LISONERGY
Model No.	A0679B	LS.11110D01
Nominal Voltage	3.6V	3.65V
Typical Capacity	3100mAh	3000mAh
MAX Charge Current	3.1A	0.9A
Typical Over Charge	4.28V	4.275V
Typical Over Charge Release	4.080V	4.075V
Typical Over Charge Delay Time	1.2s	1s
Typical Over Discharge	2.3V	2.5V
Typical Over Discharge Release	2.3V	2.9V
Typical Over Discharge Delay Time	150ms	128ms

Antenr	Antenna Information							
Ant.	Brand Name	Model No.	Туре	Antenna Gain (dBi)				
0	WNC	Antenna-BT/WLAN	PCB	3				

EUT Operational Condition					
Testing Voltage	EUT 1 and EUT 2	DC 12V			
	EUT 3	DC 4.5V			

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IEEE 802.11b/g & IEEE 802.11n (20 MHz)

Working Fr	Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency	
01	2412 MHz	02	2417 MHz	03	2422 MHz	04	2427 MHz	
05	2432 MHz	06	2437 MHz	07	2442 MHz	08	2447 MHz	
09	2452 MHz	10	2457 MHz	11	2462 MHz	12	2467 MHz	
13	2472 MHz	-	-	-	-	-	-	

IEEE 802.11n (40 MHz)

Working Fr	Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency	
03	2422 MHz	04	2427 MHz	05	2432 MHz	06	2437 MHz	
07	2442 MHz	08	2447 MHz	09	2452 MHz	10	2457 MHz	
11	2462 MHz	-	-	-	-	-	-	

Note:

- 1. Regards to the frequency band operation; the lowest, middle and highest frequency of channel were selected to perform the test, and then shown on this report.
- 2. The above EUT information is declared by the manufacturer.

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1.2. Test Mode

DEKRA has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

	Mode 1: EUT 1 with main source of battery
	Mode 2: EUT 1 with second source of battery
	Mode 3: EUT 2 with main source of battery
Test Mode	Mode 4: EUT 2 with second source of battery
Test Wode	Mode 5: EUT 3 with AA battery
	Mode 1 generated the worst test result for radiated emission below
	1GHz test, thus the measurement for other test items will follow this
	same test configuration.

Test Items	Test Mode	Modulation	Channel	Result
AC Power Line Conducted Emission	The EUT was DC line conducted er	c-powered, it's not mission test.	necessary to appl	y to AC power
		11b	1/6/11/12/13	Pass
Maximum Conducted Output Power	Mode 1	11g	1/6/11/12/13	Pass
Maximum Conducted Output Fower	Iviode i	11n (20 MHz)	1/6/11/12/13	Pass
		11n (40 MHz)	3/6/9/10/11	Pass
	Mode 1	11n (20 MHz)	11	Pass
	Mode 2	11n (20 MHz)	11	Pass
Radiated Emission Below 1 GHz	Mode 3	11n (20 MHz)	11	Pass
	Mode 4	11n (20 MHz)	11	Pass
	Mode 5	11n (20 MHz)	11	Pass
		11b	1/6/11/12/13	Pass
Redicted Engineers Above 4 CHr	Hz Mode 1	11g	1/6/11/12/13	Pass
Radiated Emission Above 1 GHz		11n (20 MHz)	1/6/11/12/13	Pass
		11n (40 MHz)	3/6/9/10/11	Pass
		11b	1/6/11/12/13	Pass
Antonio Dort Conducted Emission	Mode 1	11g	1/6/11/12/13	Pass
Antenna Port Conducted Emission	Iviode i	11n (20 MHz)	1/6/11/12/13	Pass
		11n (40 MHz)	3/6/9/10/11	Pass
		11b	1/6/11/12/13	Pass
Redicted Emission Rand Edge	Mode 1	11g	1/6/11/12/13	Pass
Radiated Emission Band Edge	iviode i	11n (20 MHz)	1/6/11/12/13	Pass
		11n (40 MHz)	3/6/9/10/11	Pass
		11b	1/6/11/12/13	Pass
Occupied Bandwidth &	Mode 4	11g	1/6/11/12/13	Pass
DTS Bandwidth	Mode 1	11n (20 MHz)	1/6/11/12/13	Pass
		11n (40 MHz)	3/6/9/10/11	Pass

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Maximum Power Spectral Density	Mode 1	11b	1/6/11/12/13	Pass
		11g	1/6/11/12/13	Pass
		11n (20 MHz)	1/6/11/12/13	Pass
		11n (40 MHz)	3/6/9/10/11	Pass

Note:

- 1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
- 2. The worst case of data rate for 802.11b is 1 Mbps, for 802.11g is 6 Mbps, for 802.11n (20 MHz)/802.11n (40 MHz) are MCS 0, Nss1.
- 3. For radiated emission below 1 GHz have performed all modes of operation were investigated and the worst-case emissions are reported.
- 4. The EUT was performed at X axis, Y axis and Z axis position for radiated emission and band edge tests. The worst case was found at Y axis, so the measurement will follow this same test configuration.

1.3. Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

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1.4. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system.

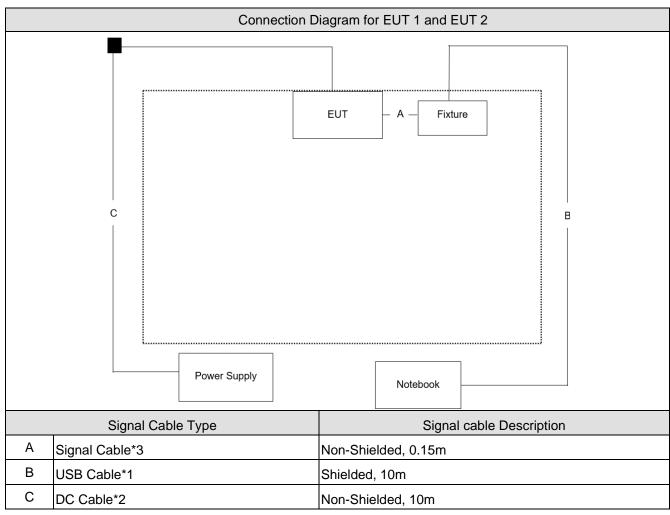
For EUT 1 and EUT 2:

Product		Manufacturer	Model No.	Serial No.
1	Fixture	Oneping	OP-1010C18V-PBAM04D1	N/A
2	Notebook	DELL	Latitude E6320	8611271467
3	Power Supply	Topward	6303D	8095908

For EUT 3:

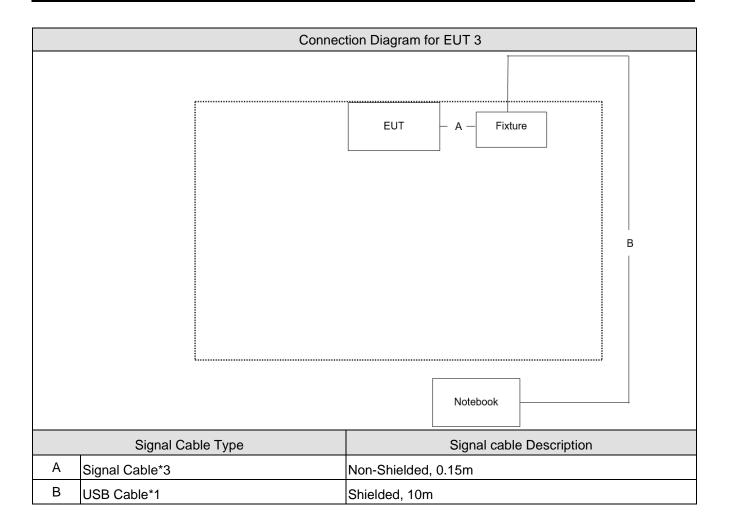
Product		Product Manufacturer		Serial No.
1 Fixture		Oneping	OP-1010C18V-PBAM04D1	N/A
2	Notebook	DELL	Latitude E6320	8611271467

1.5. Configuration of Tested System



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1.6. EUT Operation of during Test

1	Execute control command by software "EspRFTestTool_v2.8".
2	Configure the test mode, the test channel, and the data rate.
3	Press "Start TX" to start the continuous transmitting.
4	Verify that the EUT works properly.

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1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Actually	Tested by	Test Date	Test Site	
Temperature (°C)	Maximum Conducted Output Dower	23	Clamana Fana	2022/08/24	IIO 0D40	
Humidity (%RH)	Maximum Conducted Output Power	64	Clemens Fang	2022/08/24	HC-SR12	
Temperature (°C)	Dedicted Emission	22 ~ 23	Cyril Chan	2022/08/17 ~	HC CB04	
Humidity (%RH)	Radiated Emission	60 ~ 63	Cyril Chen	2022/08/23	HC-CB04	
Temperature (°C)	Antonna Dart Conducted Emission	23		0000/00/04	LIC CD40	
Humidity (%RH)	Antenna Port Conducted Emission	64	Clemens Fang	2022/08/24	HC-SR12	
Temperature (°C)	Padiated Emission Band Edge	22	Cyril Chan	2022/00/40	HC-CB04	
Humidity (%RH)	Radiated Emission Band Edge	59	Cyril Chen	2022/08/16		
Temperature (°C)	Occupied Bandwidth &	23	Clamana Fana	0000/00/04	110 0040	
Humidity (%RH)	DTS Bandwidth	64	Clemens Fang	2022/08/24	HC-SR12	
Temperature (°C)	Maximum Dawar Spectral Danaity	23	Clamana Fana	0000/00/04	UC SD12	
Humidity (%RH)	Maximum Power Spectral Density	64	Clemens Fang	2022/08/24	HC-SR12	

Note: Test site information refers to Laboratory Information.

USA : FCC Registration Number: TW3024

Canada : CAB identifier : TW3024

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: http://www.dekra.com.tw

If you have any comments, please don't hesitate to contact us. Our test sites as below:

Test Laboratory	DEKRA Testing and Certification Co., Ltd.				
Address	 No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. 				
Phone number	1. +886-3-582-8001 2. +886-3-582-8001				
Fax number	1. +886-3-582-8958 2. +886-3-582-8958				
E mail address	info.tw@dekra.com				
Website	http://www.dekra.com.tw				
N. T. C.					

Note: Test site number for address 1 includes HC-SR02. Test site number for address 2 includes HC-CB02, HC-CB03, HC-CB04, SR10-H and HC-SR12.

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1.8. List of Test Equipment

HC-SR12

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
High Speed Peak Power	A muita	MI 2400A	4000004	2024/44/42	2022/44/44
Meter Dual Input	Anritsu	ML2496A	1602004	2021/11/12	2022/11/11
Pulse Power Sensor	Anritsu	MA2411B	1531043	2021/11/12	2022/11/11
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2022/01/07	2023/01/06
Pulse Power Sensor	Anritsu	MA2411B	1531044	2021/11/12	2022/11/11
Power Meter	Keysight	8990B	MY51000248	2022/05/06	2023/05/05
Power Sensor	Keysight	N1923A	MY57240005	2022/05/06	2023/05/05
Signal & Spectrum Analyzer	R&S	FSV40	101049	2022/04/25	2023/04/24

HC-CB04

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2021/10/22	2022/10/21
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2022/01/07	2023/01/06
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1209	2022/06/14	2023/06/13
Horn Antenna	Schwarzbeck	BBHA 9120D	01640	2022/07/13	2023/07/12
Horn Antenna	Schwarzbeck	BBHA 9170	203	2022/02/23	2023/02/22
Pre-Amplifier	EMCI	EMC01820I	980364	2022/06/10	2023/06/09
Pre-Amplifier	EMEC	EM01G18GA	060835	2022/07/04	2023/07/03
Pre-Amplifier	DEKRA	AP-400C	201801231	2021/12/24	2022/12/23
EMI Test Receiver	R&S	ESR7	102260	2021/12/22	2022/12/21
Magnetic Loop Antenna	Teseq	HLA 6121	44287	2021/09/06	2022/09/05
Coaxial Cable(10m)	Suhner	SF102_SF104	HC-CB04	2022/08/08	2023/08/07
Coaxial Cable(3m)	Suhner,Rosnol	SF102_UP0264	HC-CB04_1	2022/08/14	2023/08/13
Radiated Software	AUDIX	e3 V9	HC-CB04_1	N/A	N/A

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

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1.9. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2).

Test Item	Uncertainty		
Maximum Conducted Output Power	± 1.16 dB		
Radiated Emission	± 3.25 dB below 1 GHz ± 3.32 dB above 1 GHz		
Antenna Port Conducted Emission	± 1.60 dB		
Radiated Emission Band Edge	± 3.32 dB above 1GHz		
DTS Bandwidth	± 282.55 Hz		
Occupied Bandwidth	± 282.55 Hz		
Maximum Power Spectral Density	± 1.60 dB		

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1.10. Duty Cycle

Modulation	On Times	On+Off Times	Duty Cycle	Duty Factor	1/T Minimum
Modulation	(ms)	(ms)	(%)	(dB)	VBW (kHz)
802.11b	-	-	-	-	-
802.11g	5.480	5.510	99.46	0.024	0.010
802.11n (20 MHz)	5.070	5.110	99.22	0.034	0.010
802.11n (40 MHz)	2.460	2.500	98.40	0.070	0.010

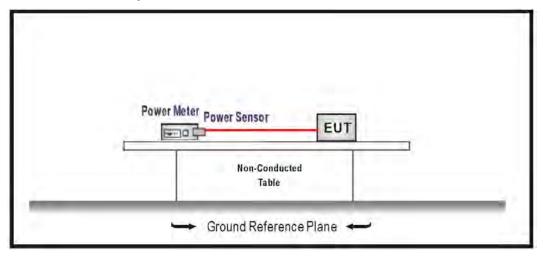


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2. Maximum Conducted Output Power

2.1. Test Setup



2.2. Test Limit

The maximum conducted output power shall be less 30 dBm (1 Watt).

2.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

2.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247.

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2.5. Test Result of Maximum Conducted Output Power

Mode 1: EUT 1 with main source of battery

Modulation	Channel	Frequency (MHz)	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
	1	2412	18.480	≦30.00	Pass
	6	2437	18.560	≦30.00	Pass
802.11b	11	2462	19.050	≦30.00	Pass
	12	2467	16.430	≦30.00	Pass
	13	2472	12.640	≦30.00	Pass
	1	2412	17.550	≦30.00	Pass
	6	2437	17.600	≦30.00	Pass
802.11g	11	2462	15.380	≦30.00	Pass
	12	2467	13.240	≦30.00	Pass
	13	2472	0.630	≦30.00	Pass
	1	2412	16.610	≦30.00	Pass
	6	2437	16.740	≦30.00	Pass
802.11n (20 MHz)	11	2462	15.820	≦30.00	Pass
	12	2467	13.620	≦30.00	Pass
	13	2472	-0.190	≦30.00	Pass
	3	2422	16.080	≦30.00	Pass
	6	2437	16.040	≦30.00	Pass
802.11n (40 MHz)	9	2452	15.270	≦30.00	Pass
	10	2457	14.460	≦30.00	Pass
	11	2462	13.730	≦30.00	Pass

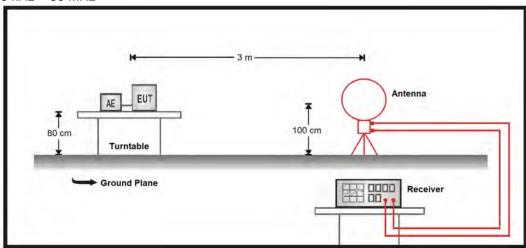
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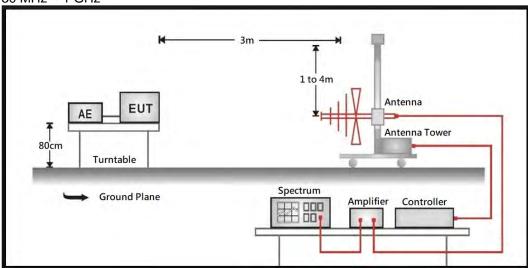
3. Radiated Emission

3.1. Test Setup

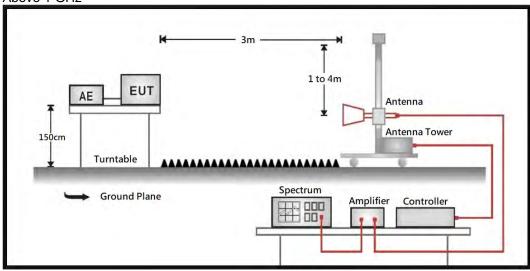
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



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3.2. Test Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 30dB below the level of the fundamental or to the general radiated emission limit in paragraph 15.209, whichever is the lesser attenuation.

Frequency (MHz)	Field strength (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	20 log (2400/F(kHz))	300
0.490 - 1.705	24000/F(kHz)	20 log (24000/F(kHz))	30
1.705 - 30	30	29.5	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Remarks:

- 1. Field strength (dBuV/m) = 20 log Field strength (uV/m)
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

3.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB 558074 D01V05r02 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

On any frequency or frequencies form 9 kHz(inculde The the lowest oscillator frequency generated within the device up to the 10th harmonic) to 1000 MHz, the limit shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limit shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

The bandwidth below 1 GHz setting on the field strength meter is 120 kHz and above 1 GHz is 1 MHz.

3.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247.

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3.5. Test Result of Radiated Emissions (30 MHz ~ 1 GHz)

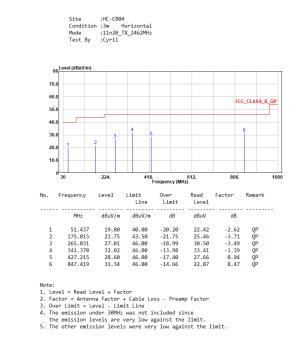
Mode 1: EUT 1 with main source of battery



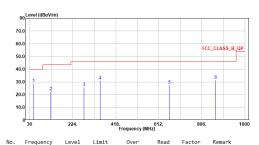
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Mode 2: EUT 1 with second source of battery



Site :HC-CB04 Condition :3m Vertical Mode :11n20_TX_2462MHz Test By :Cyril



			Line	Limit	Level			
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	47.460	28.65	40.00	-11.35	30.82	-2.17	QP	
2	125.060	22.24	43.50	-21.26	26.98	-4.74	QP	
3	275.022	25.81	46.00	-20.19	28.87	-3.06	QP	
4	347.675	30.97	46.00	-15.03	32.29	-1.32	QP	
5	659.433	27.50	46.00	-18.50	21.81	5.69	QP	
6	868.371	31.33	46.00	-14.67	22.59	8.74	QP	

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The emission under 30MT was not included since
 the emission levels are very low against the limit.

 5. The other emission levels were very low against the limit.

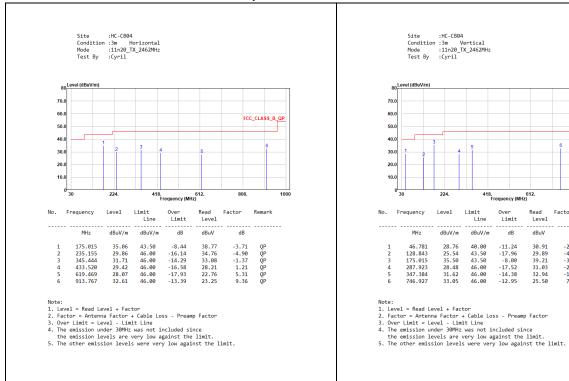
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FCC_CLASS_B_QP

Factor Remark

Mode 3: EUT 2 with main source of battery



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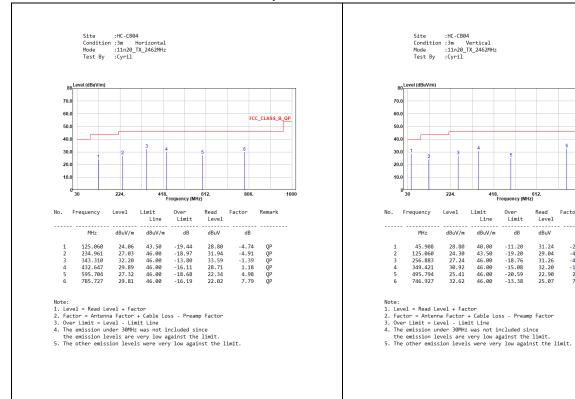
FAX: +886-3-582-8958



FCC_CLASS_B_QP

Factor Remark

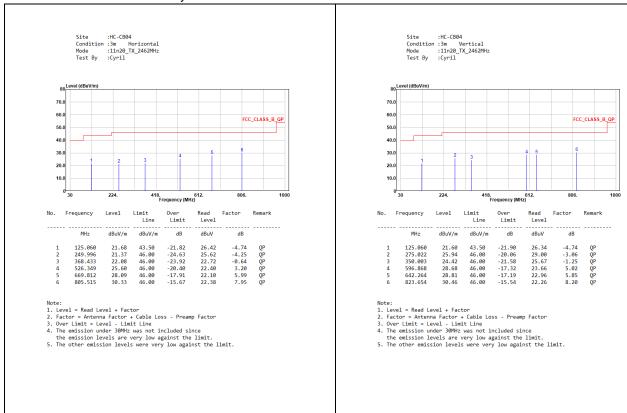
Mode 4: EUT 2 with second source of battery



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Mode 5: EUT 3 with AA battery



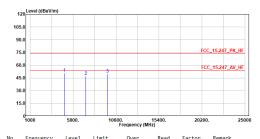
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Test Result of Radiated Emissions (1 GHz ~ 10th Harmonic) 3.6.

Mode 1: EUT 1 with main source of battery





NO.		Frequency	rever	Line	Limit	Level	ractor	Kellark
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
	1	4824.000	50.72	74.00	-23.28	67.19	-16.47	Peak
	2	7236.000	47.19	74.00	-26.81	58.09	-10.90	Peak
	2	0649 000	40 01	74 00	24 00	EE 26	E 25	Pook

- Note:

 1. Level = Read Level + Factor

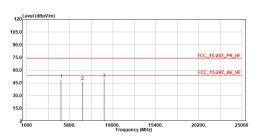
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11b_TX_2412MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	49.46	74.00	-24.54	65.93	-16.47	Peak
2	7236.000	47.29	74.00	-26.71	58.19	-10.90	Peak
3	9648.000	50.26	74.00	-23.74	55.61	-5.35	Peak

- Note:

 1. Level = Read Level + Factor

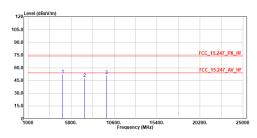
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Horizontal Mode :11b_TX_2437MHz Test By :Cyril



no.	rrequency	rever	Line	Limit	Level	ractor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	51.99	74.00	-22.01	68.41	-16.42	Peak
2	7311.000	47.52	74.00	-26.48	58.32	-10.80	Peak
3	9748.000	50.99	74.00	-23.01	55.88	-4.89	Peak

- Note:

 1. Level = Read Level + Factor

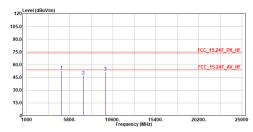
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11b_TX_2437MHz
Test By :Cyril



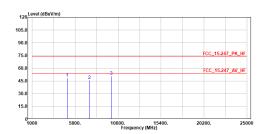
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	52.84	74.00	-21.16	69.26	-16.42	Peak
2	7311.000	46.93	74.00	-27.07	57.73	-10.80	Peak
3	9748.000	51.42	74.00	-22.58	56.31	-4.89	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed
 to comply with AVG limit
 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	48.54	74.00	-25.46	64.97	-16.43	Peak
2	7386.000	45.80	74.00	-28.20	56.51	-10.71	Peak
3	9848.000	50.68	74.00	-23.32	55.23	-4.55	Peak

- Note:

 1. Level = Read Level + Factor

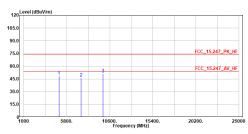
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11b_TX_2462MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	48.61	74.00	-25.39	65.04	-16.43	Peak
2	7386.000	46.28	74.00	-27.72	56.99	-10.71	Peak
3	9848 000	51.01	74 00	-22.99	55.56	-4.55	Peak

- Note:

 1. Level = Read Level + Factor

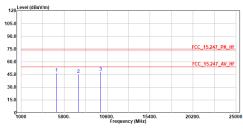
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

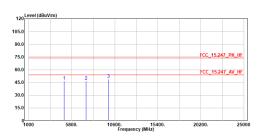
Site :HC-CB04 Condition :3m ,Horizontal Mode :11b_TX_2467MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4934.000	46.50	74.00	-27.50	62.90	-16.40	Peak
2	7401.000	45.48	74.00	-28.52	56.18	-10.70	Peak
3	9868.000	48.22	74.00	-25.78	52.80	-4.58	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11b_TX_2467MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4934.000	46.68	74.00	-27.32	63.08	-16.40	Peak
2	7401.000	46.44	74.00	-27.56	57.14	-10.70	Peak
3	9868 999	48 69	74 00	-25.31	53.27	-4.58	Peak

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

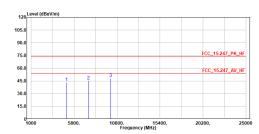
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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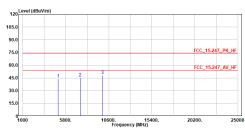




-	No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
	1	4944.000	43.50	74.00	-30.50	59.87	-16.37	Peak
	2	7416.000	45.38	74.00	-28.62	55.99	-10.61	Peak
	2	0000 000	49 13	74 00	35 00	E2 7E	4 63	Pook

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11b_TX_2472MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4944.000	43.78	74.00	-30.22	60.15	-16.37	Peak
2	7416.000	45.31	74.00	-28.69	55.92	-10.61	Peak
3	9888.000	48.19	74.00	-25.81	52.82	-4.63	Peak

- Note:

 1. Level = Read Level + Factor

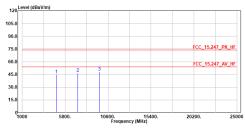
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

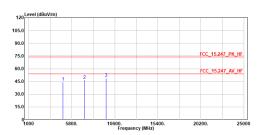
Site :HC-CB04 Condition :3m ,Horizontal Mode :11g_TX_2412MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	44.90	74.00	-29.10	61.37	-16.47	Peak
2	7236.000	46.80	74.00	-27.20	57.70	-10.90	Peak
3	9648 000	48.16	74 99	-25 84	53, 51	-5.35	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11g_TX_2412MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	44.57	74.00	-29.43	61.04	-16.47	Peak
2	7236.000	46.57	74.00	-27.43	57.47	-10.90	Peak
3	9648.000	49.01	74.00	-24.99	54.36	-5.35	Peak

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

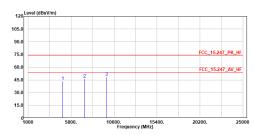
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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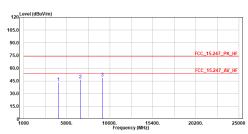




No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	1 4874.000	43.68	74.00	-30.32	60.10	-16.42	Peak
2	7311.000	46.11	74.00	-27.89	56.91	-10.80	Peak
	07/19 000	49 67	74 00	25 22	E2 E6	4 90	Pook

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11g_TX_2437MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	43.26	74.00	-30.74	59.68	-16.42	Peak
2	7311.000	46.70	74.00	-27.30	57.50	-10.80	Peak
3	9748.000	48.98	74.00	-25.02	53.87	-4.89	Peak

- Note:

 1. Level = Read Level + Factor

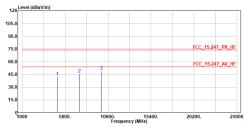
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

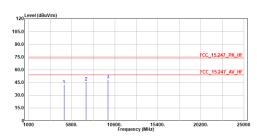
Site :HC-CB04 Condition :3m ,Horizontal Mode :11g_TX_2462MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	41.90	74.00	-32.10	58.33	-16.43	Peak
2	7386.000	45.72	74.00	-28.28	56.43	-10.71	Peak
3	9848 000	48 91	74 99	-25 09	53.46	-4.55	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11g_TX_2462MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	42.31	74.00	-31.69	58.74	-16.43	Peak
2	7386.000	45.85	74.00	-28.15	56.56	-10.71	Peak
3	9848.000	48.51	74.00	-25.49	53.06	-4.55	Peak

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

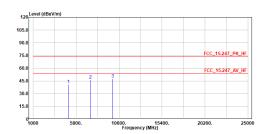
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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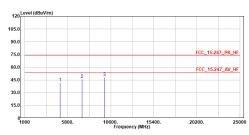




No.	Frequency	Level	Limit Line	Over Limit	Kead Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4934.000	40.93	74.00	-33.07	57.33	-16.40	Peak
2	7401.000	46.02	74.00	-27.98	56.72	-10.70	Peak
3	9868 000	47.74	74 99	-26.26	52.32	-4 58	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11g_TX_2467MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4934.000	41.68	74.00	-32.32	58.08	-16.40	Peak
2	7401.000	45.56	74.00	-28.44	56.26	-10.70	Peak
3	9868 999	47 82	74 00	-26 18	52 40	-4 58	Pook

- Note:

 1. Level = Read Level + Factor

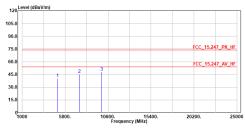
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

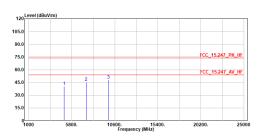
Site :HC-CB04 Condition :3m ,Horizontal Mode :11g_TX_2472MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4944.000	40.40	74.00	-33.60	56.77	-16.37	Peak
2	7416.000	45.29	74.00	-28.71	55.90	-10.61	Peak
3	9888.000	48.13	74.00	-25.87	52.76	-4.63	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11g_TX_2472MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4944.000	40.38	74.00	-33.62	56.75	-16.37	Peak
2	7416.000	45.47	74.00	-28.53	56.08	-10.61	Peak
3	9888 000	48.12	74 00	-25.88	52.75	-4 63	Peak

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

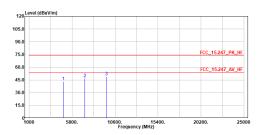
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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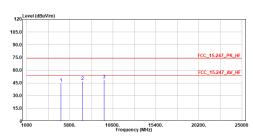




NO.	Frequency	revel	Limit	Limit	Level	Factor	Kemark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	4824.000	43.10	74.00	-30.90	59.57	-16.47	Peak	
2	7236.000	46.65	74.00	-27.35	57.55	-10.90	Peak	
3	9648 888	48 71	74 99	-25 29	54.06	-5.35	Peak	

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n20_TX_2412MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4824.000	44.83	74.00	-29.17	61.30	-16.47	Peak
2	7236.000	47.12	74.00	-26.88	58.02	-10.90	Peak
3	9648 888	48 81	74 00	-25.19	54.16	-5.35	Peak

- Note:

 1. Level = Read Level + Factor

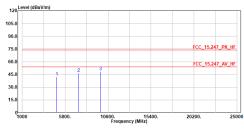
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

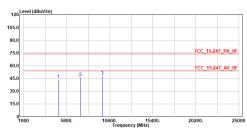
Site :HC-CB04 Condition :3m ,Horizontal Mode :11n20_TX_2437MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	41.96	74.00	-32.04	58.38	-16.42	Peak
2	7311.000	46.48	74.00	-27.52	57.28	-10.80	Peak
3	9748 000	48 49	74.00	-25 60	53 29	-4 89	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n20_TX_2437MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	44.15	74.00	-29.85	60.57	-16.42	Peak
2	7311.000	46.32	74.00	-27.68	57.12	-10.80	Peak
3	9748.000	47.90	74.00	-26.10	52.79	-4.89	Peak

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

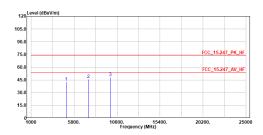
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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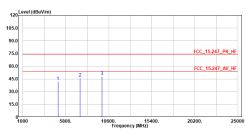




NO.	Frequency	revel	Limit	Limit	Level	Factor	Kemark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	42.77	74.00	-31.23	59.20	-16.43	Peak
2	7386.000	45.62	74.00	-28.38	56.33	-10.71	Peak
3	9848 999	48 89	7/ 00	-25 91	52 64	-4 55	Pook

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n20_TX_2462MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	42.32	74.00	-31.68	58.75	-16.43	Peak
2	7386.000	46.11	74.00	-27.89	56.82	-10.71	Peak
3	9848 000	48 11	74 00	-25.89	52.66	-4.55	Peak

- Note:

 1. Level = Read Level + Factor

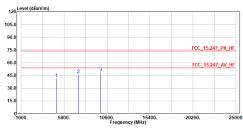
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Horizontal Mode :11n20_TX_2467MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4934.000	41.84	74.00	-32.16	58.24	-16.40	Peak
2	7401.000	46.04	74.00	-27.96	56.74	-10.70	Peak
3	9868 999	48 25	7/ 00	-25 75	52 83	-4 58	Pook

- Note:

 1. Level = Read Level + Factor

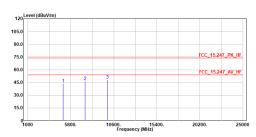
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n20_TX_2467MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4934.000	43.33	74.00	-30.67	59.73	-16.40	Peak
2	7401.000	46.08	74.00	-27.92	56.78	-10.70	Peak
3	9868.000	48.11	74.00	-25.89	52.69	-4.58	Peak

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

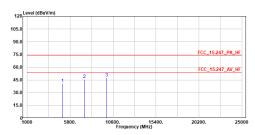
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4944.000	40.91	74.00	-33.09	57.28	-16.37	Peak
2	7416.000	45.75	74.00	-28.25	56.36	-10.61	Peak
3	9888.000	47.70	74.00	-26.30	52.33	-4.63	Peak

- Note:

 1. Level = Read Level + Factor

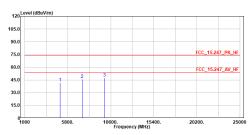
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n20_TX_2472MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4944.000	41.79	74.00	-32.21	58.16	-16.37	Peak
2	7416.000	45.56	74.00	-28.44	56.17	-10.61	Peak
3	9888 999	17 18	74 00	-26 52	52 11	-4 63	Pook

- Note:

 1. Level = Read Level + Factor

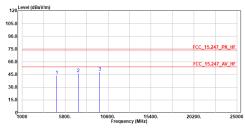
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

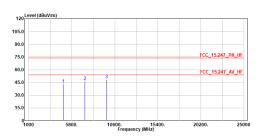
Site :HC-CB04 Condition :3m ,Horizontal Mode :11n40_TX_2422MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4844.000	43.76	74.00	-30.24	60.13	-16.37	Peak
2	7266.000	46.36	74.00	-27.64	57.28	-10.92	Peak
3	9688.000	48.20	74.00	-25.80	53.52	-5.32	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n40_TX_2422MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4844.000	43.00	74.00	-31.00	59.37	-16.37	Peak
2	7266.000	46.38	74.00	-27.62	57.30	-10.92	Peak
3	9688.000	48.44	74.00	-25.56	53.76	-5.32	Peak

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

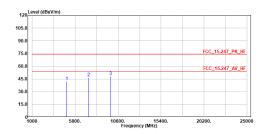
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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NO.	Frequency	rever	Line	Limit	Level	ractor.	Kellark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	41.94	74.00	-32.06	58.36	-16.42	Peak
2	7311.000	46.44	74.00	-27.56	57.24	-10.80	Peak
2	9749 999	49 17	74 00	25 03	E2 0C	4 90	Pook

- Note:

 1. Level = Read Level + Factor

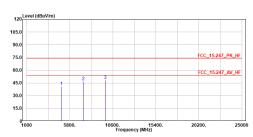
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n40_TX_2437MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	40.87	74.00	-33.13	57.29	-16.42	Peak
2	7311.000	46.80	74.00	-27.20	57.60	-10.80	Peak
3	9748.000	48.22	74.00	-25.78	53.11	-4.89	Peak

- Note:

 1. Level = Read Level + Factor

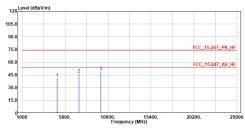
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Horizontal Mode :11n40_TX_2452MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4904.000	41.36	74.00	-32.64	57.85	-16.49	Peak
2	7356.000	46.16	74.00	-27.84	56.91	-10.75	Peak
3	9808,000	48.86	74.00	-25.14	53.50	-4.64	Peak

- Note:

 1. Level = Read Level + Factor

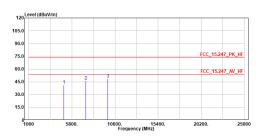
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11n40_TX_2452MHz
Test By :Cyril



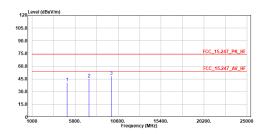
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4904.000	41.37	74.00	-32.63	57.86	-16.49	Peak
2	7356.000	46.18	74.00	-27.82	56.93	-10.75	Peak
3	9808.000	48.40	74.00	-25.60	53.04	-4.64	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Linit i = Level Linit Line
 4. The peak result complies with AVG limit, AVG result is deemed
 to comply with AVG limit.
 5. The other emission levels were very low against the limit.

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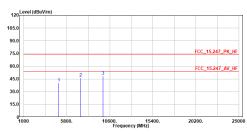




NO.	Frequency	revel	Limit	Limit	Level	Factor	Kemark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	4914.000	40.98	74.00	-33.02	57.43	-16.45	Peak	
2	7371.000	45.37	74.00	-28.63	56.09	-10.72	Peak	
3	9828 000	48 23	74 99	-25.77	52.82	-4.59	Pook	

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n40_TX_2457MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4914.000	40.44	74.00	-33.56	56.89	-16.45	Peak
2	7371.000	46.04	74.00	-27.96	56.76	-10.72	Peak
3	9828 000	48 30	74 00	-25.70	52.89	-4 59	Peak

- Note:

 1. Level = Read Level + Factor

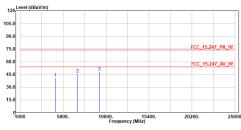
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

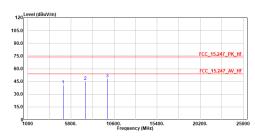
Site :HC-CB04 Condition :3m ,Horizontal Mode :11n40_TX_2462MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	4924.000	40.90	74.00	-33.10	57.33	-16.43	Peak	
2	7386.000	45.91	74.00	-28.09	56.62	-10.71	Peak	
3	9848 000	48 20	74 00	-25.80	52.75	-4.55	Peak	

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n40_TX_2462MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4924.000	40.69	74.00	-33.31	57.12	-16.43	Peak
2	7386.000	45.46	74.00	-28.54	56.17	-10.71	Peak
3	9848.000	48.59	74.00	-25.41	53.14	-4.55	Peak

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

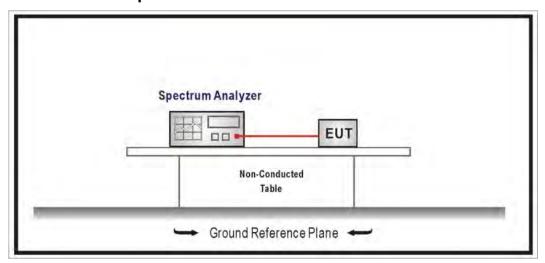
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4. Antenna Port Conducted Emission

4.1. Test Setup



4.2. Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 the transmitter demonstrates compliance with the peak conducted power limit. If the transmitter complies with the conducted power limit based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limit specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limit specified in §15.209(a) (see §15.205(c)).

4.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB 558074 D01 V05r02 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

4.4. Test Specification

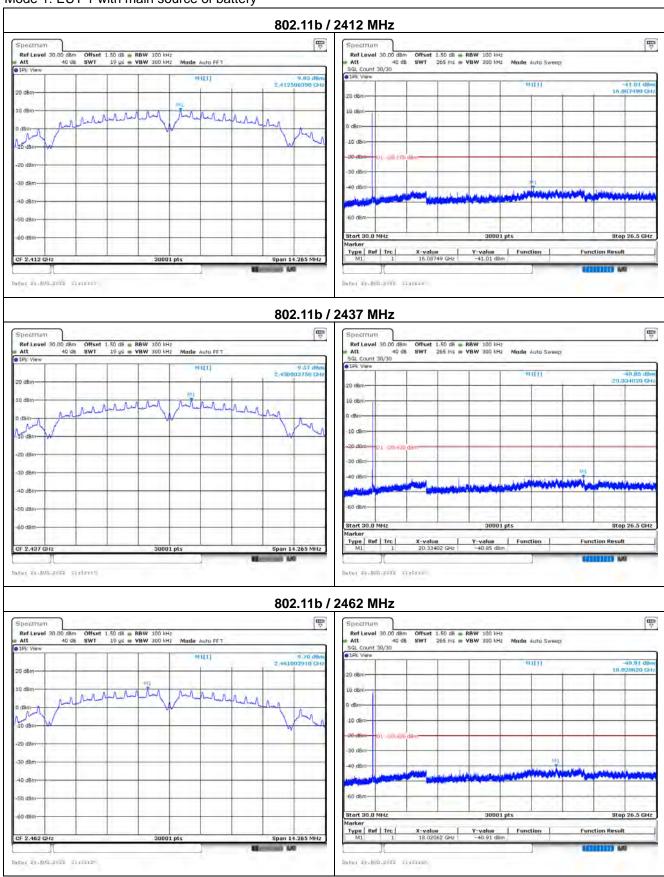
According to FCC Part 15 Subpart C Paragraph 15.247.

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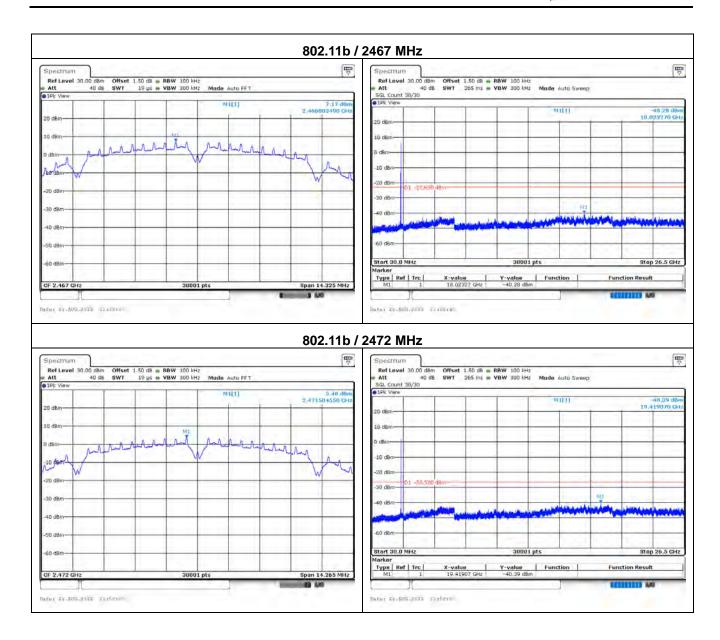
4.5. Test Result of Antenna Port Conducted Emission

Mode 1: EUT 1 with main source of battery



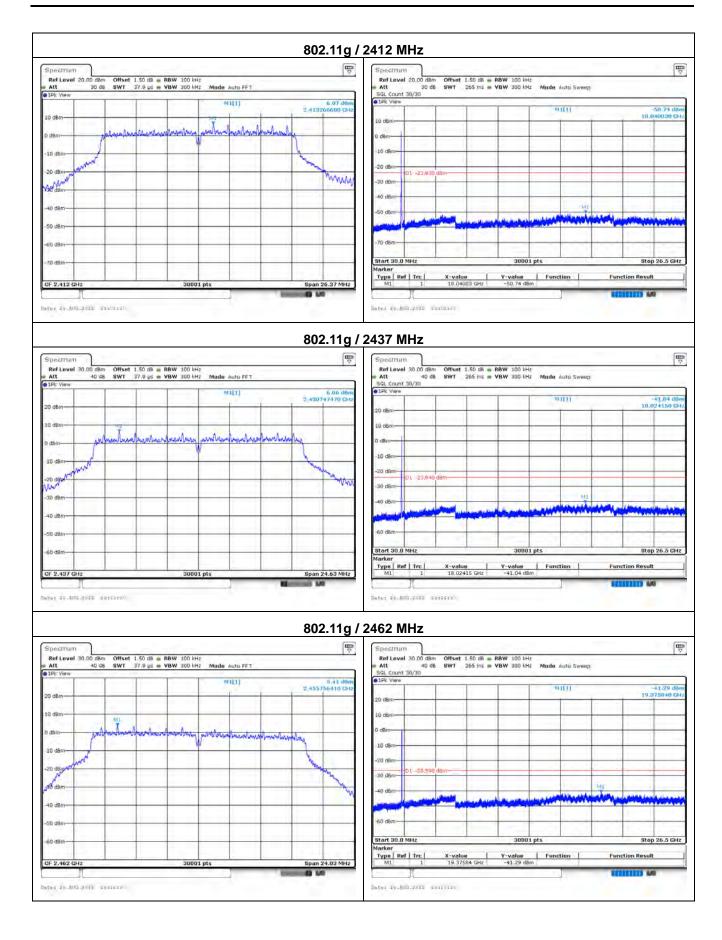
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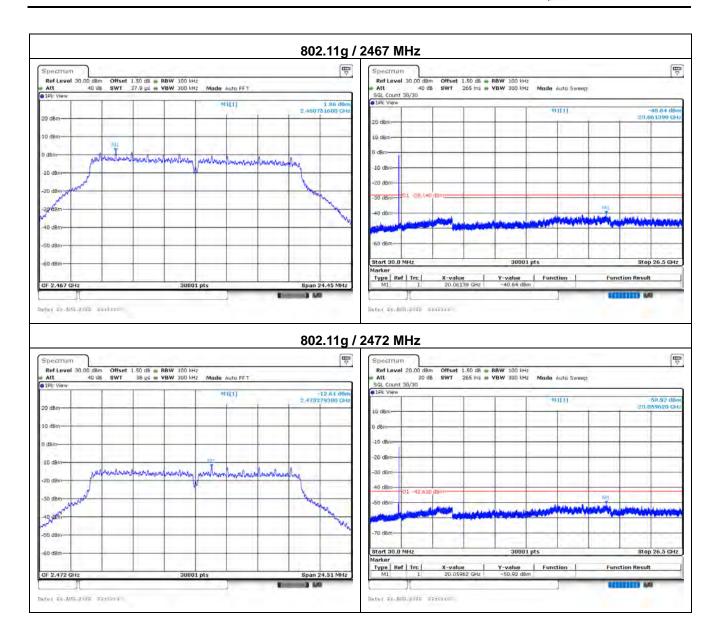
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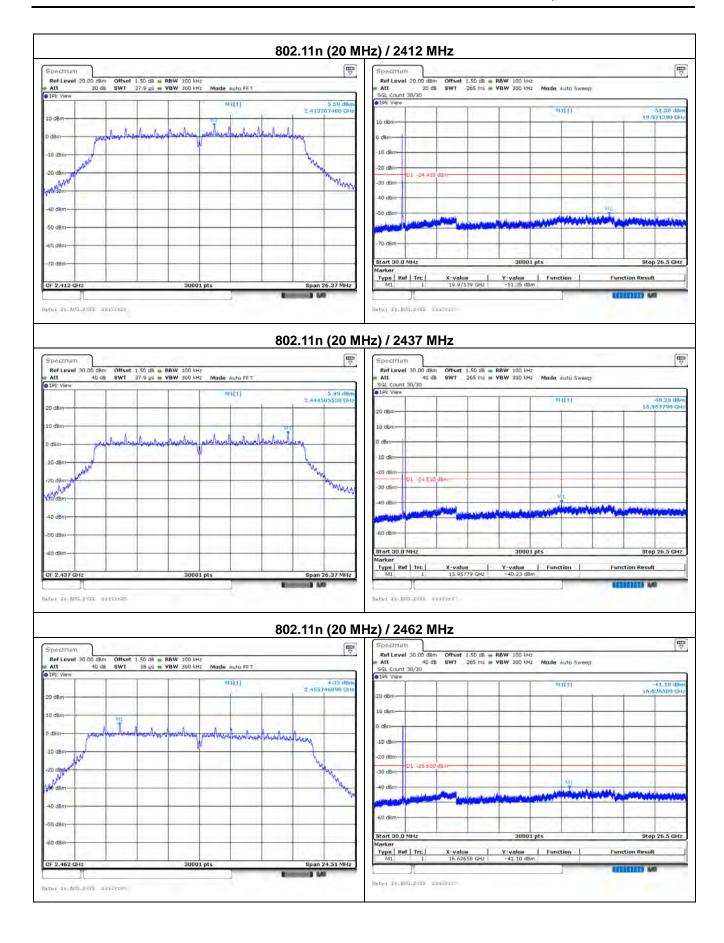
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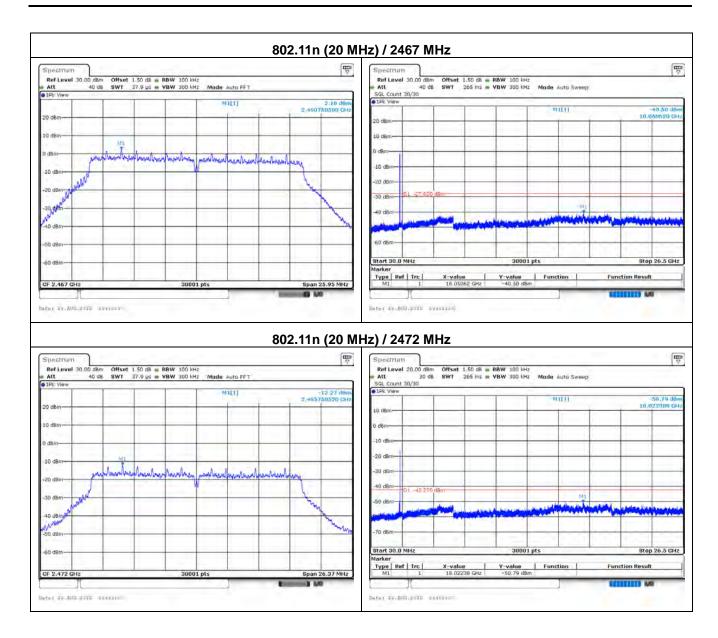
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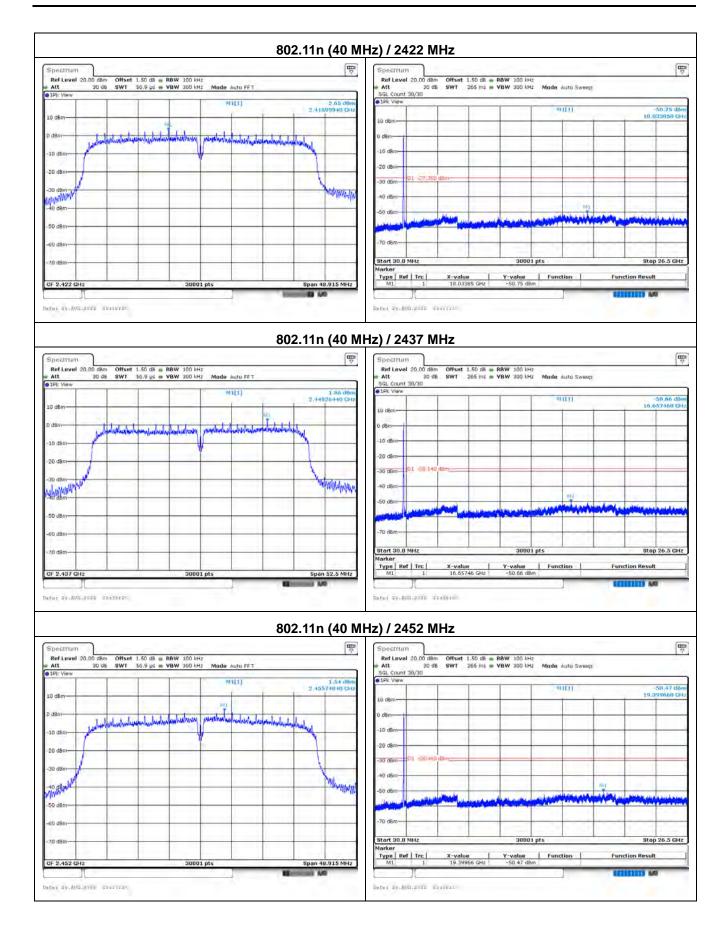
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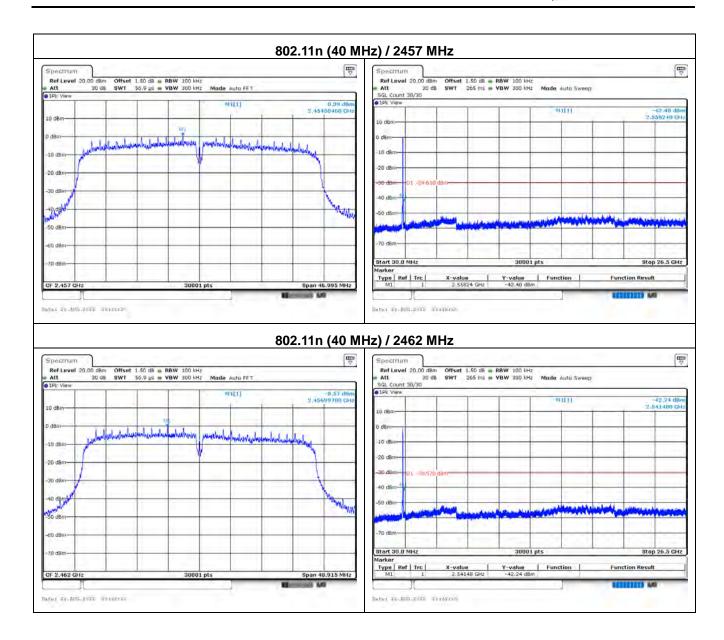
TEL: +886-3-582-8001 Page Number : 43 of 83 FAX: +886-3-582-8958 Issued Date : Aug. 31, 2022





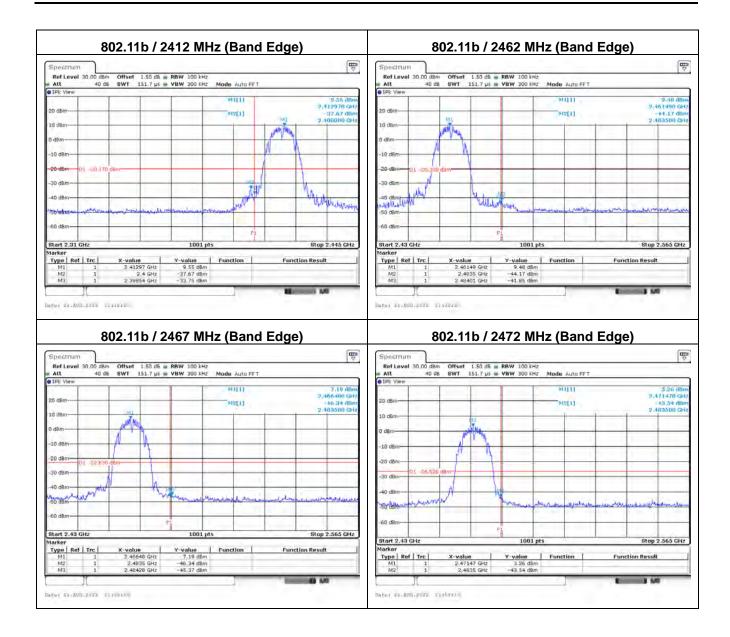
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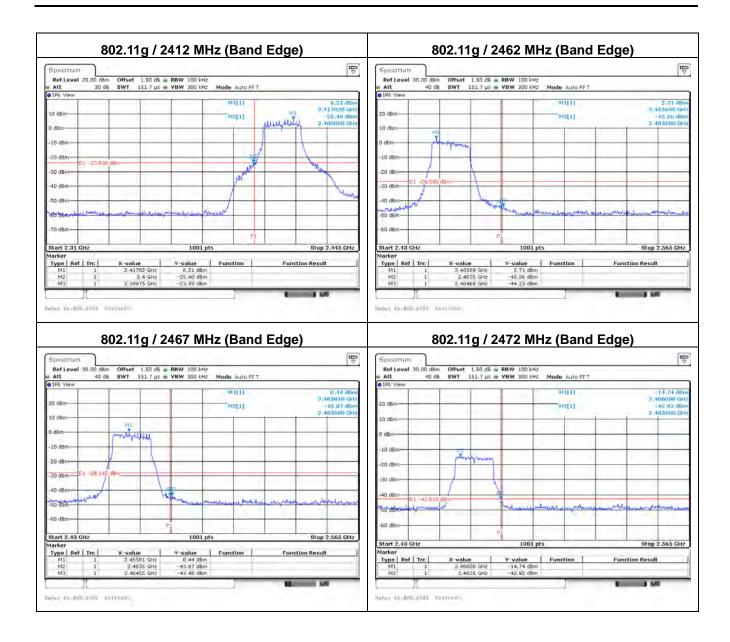
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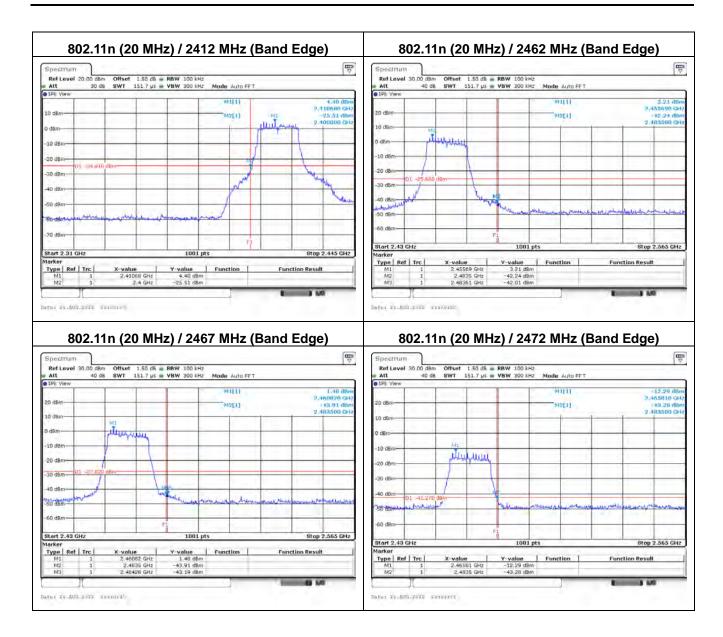
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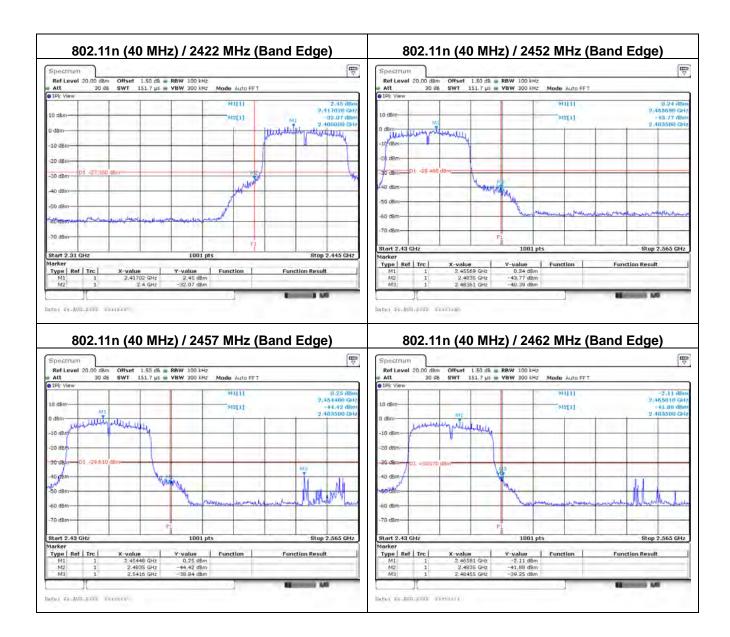
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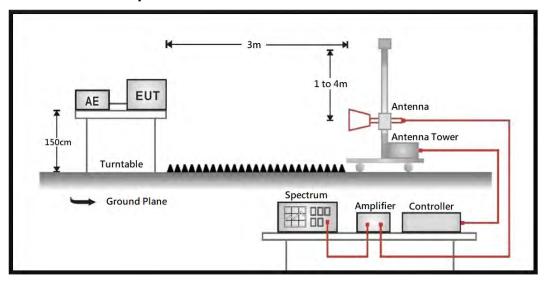


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5. Radiated Emission Band Edge

5.1. Test Setup



5.2. Test Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 30 dB below the level of the fundamental or to the general radiated emission limit in paragraph 15.209, whichever is the lesser attenuation.

Frequency (MHz)	Field strength (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Remarks:

- 1. Field strength (dBuV/m) = 20 log Field strength (uV/m)
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

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5.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to the FCC KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

5.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247.

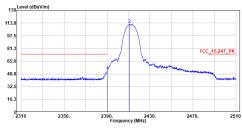
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Test Result of Radiated Emission Band Edge 5.5.

Mode 1: EUT 1 with main source of battery

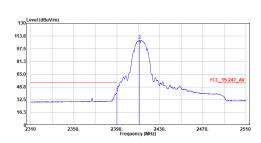




No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1 2	2390.000 2410.900	52.28 112.12	74.00	-21.72	39.12 98.99	13.16 13.13	Peak Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

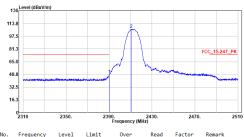
Site :HC-CB04
Condition :3m ,Horizontal
Mode :11b_TX_2412MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2390.000	41.26	54.00	-12.74	28.72	12.54	Average	
2	2411.200	108.47			95.80	12.67	Average	

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11b_TX_2412MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	48.52	74.00	-25.48	35.36	13.16	Peak
2	2410.700	106.56			93.43	13.13	Peak

- Note:

 1. Level = Read Level + Factor

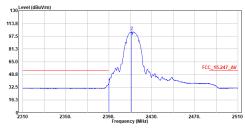
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AWG limit, AWG result is deemed to comply with AWG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11b_TX_2412MHz
Test By :Cyri1



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	36.85	54.00	-17.15	23.69	13.16	Average
2	2411.200	103.35			90.22	13.13	Average

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

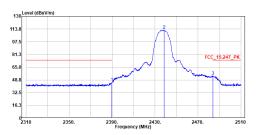
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.700	45.71	74.00	-28.29	32.55	13.16	Peak
2	2438.300	112.48			99.39	13.09	Peak
3	2484.000	53.69	74.00	-20.31	40.39	13.30	Peak

- Note:

 1. Level = Read Level + Factor

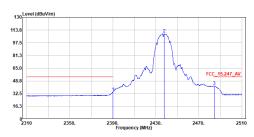
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11b_TX_2437MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	34.54	54.00	-19.46	22.00	12.54	Average
2	2437.800	108.81			95.98	12.83	Average
3	2484.400	42.42	54.00	-11.58	29.32	13.10	Average

- Note:

 1. Level = Read Level + Factor

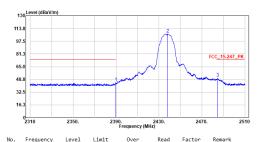
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

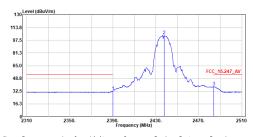




			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.900	45.25	74.00	-28.75	32.09	13.16	Peak
2	2438.200	106.82			93.73	13.09	Peak
3	2484.500	50.33	74.00	-23.67	37.02	13.31	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11b_TX_2437MHz
Test By :Cyril

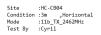


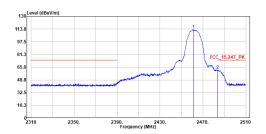
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2390.000	32.47	54.00	-21.53	19.31	13.16	Average	
2	2437.800	103.43			90.34	13.09	Average	
3	2484.000	38.14	54.00	-15.86	24.84	13.30	Average	

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Kead Level	Factor	Kemark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2460.900	112.81			99.67	13.14	Peak	
2	2483.600	61.53	74.00	-12.47	48.24	13.29	Peak	

- Note:

 1. Level = Read Level + Factor

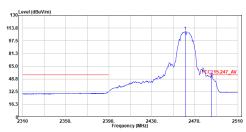
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11b_TX_2462MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2461.200	109.34			96.38	12.96	Average

- Note:

 1. Level = Read Level + Factor

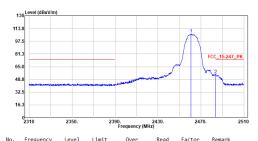
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

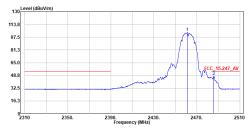




			Line	Limit	Level			
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2460.700	106.78			93.64	13.14	Peak	
2	2483 600	55 17	7/ 00	-18 83	/11 88	13 20	Pook	

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result compiles with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11b_TX_2462MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2461.200	103.41			90.27	13.14	Average
2	2485.800	47.53	54.00	-6.47	34.22	13.31	Average

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

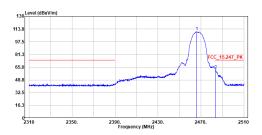
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2465.900	110.29			97.11	13.18	Peak
2	2483.600	61.55	74.00	-12.45	48.26	13.29	Peak

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11b_TX_2467MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2466.200	107.27			94.27	13.00	Average
2	2484.200	53.51	54.00	-0.49	40.41	13.10	Average

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

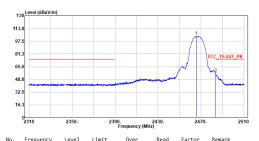
 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.



Site :HC-CB04
Condition :3m ,Vertical
Mode :11b_TX_2467MHz
Test By :Cyril



	,		Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2465.700	104.09			90.91	13.18	Peak
2	2/183 600	56 35	7/ 00	-17 65	43.06	13 20	Pook

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result compiles with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11b_TX_2467MHz
Test By :Cyril



	,		Line	Limit	Level			
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2466.200	100.82			87.64	13.18	Average	
2	2484 300	46 97	54 00	-7 03	33 67	13 30	Αναρασα	

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

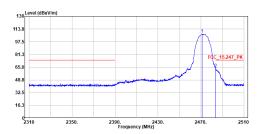
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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1	lo.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark	
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
	1	2470.900	107.29			94.08	13.21	Peak	
	2	2483.600	63.47	74.00	-10.53	50.18	13.29	Peak	

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11b_TX_2472MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1 2	2471.300 2485.700	103.94 52.67	54.00	-1.33	90.91 39.56	13.03 13.11	Average Average	

- Note:

 1. Level = Read Level + Factor

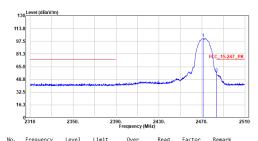
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

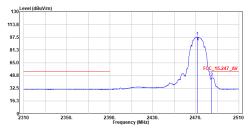




			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2470.900	101.24			88.03	13.21	Peak
2	2/183 700	56 44	7/ 00	-17 56	//3 15	13 29	Pook

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result compiles with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11b_TX_2472MHz
Test By :Cyril



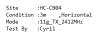
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2471.300	98.05			84.83	13.22	Average
2	2484.800	45.87	54.00	-8.13	32.56	13.31	Average

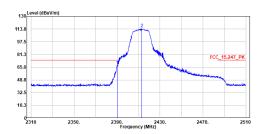
- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Kead Level	Factor	Kemark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	67.04	74.00	-6.96	53.88	13.16	Peak
2	2413.000	114.08			100.96	13.12	Peak

- Note:

 1. Level = Read Level + Factor

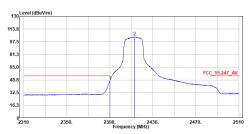
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11g_TX_2412MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1 2	2390.000 2413.100	47.49 103.88	54.00	-6.51	34.95 91.20	12.54 12.68	Average Average

- Note:

 1. Level = Read Level + Factor

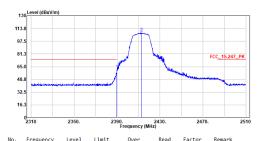
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

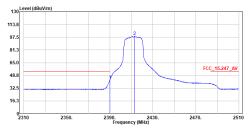




			Line	Limit	Level			
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2389.900	61.53	74.00	-12.47	48.37	13.16	Peak	
2	2/12 800	108 60			95 48	13 12	Dook	

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result compiles with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11g_TX_2412MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	42.87	54.00	-11.13	29.71	13.16	Average
2	2413.100	98.79			85.67	13.12	Average

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

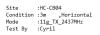
 3. Over Limit Level Limit Line

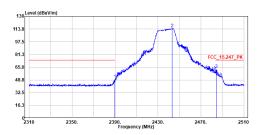
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Kead Level	Factor	Kemark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2389.700	49.69	74.00	-24.31	36.53	13.16	Peak	
2	2443.000	114.45			101.37	13.08	Peak	
3	2484.200	62.48	74.00	-11.52	49.18	13.30	Peak	

- Note:

 1. Level = Read Level + Factor

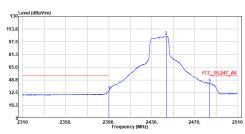
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11g_TX_2437MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	35.01	54.00	-18.99	22.47	12.54	Average
2	2443.300	104.62			91.76	12.86	Average
3	2483.600	44.34	54.00	-9.66	31.24	13.10	Average

- Note:

 1. Level = Read Level + Factor

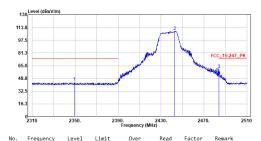
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit t Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

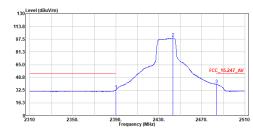




			Line	Limit	Level			
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2349.400	44.17	74.00	-29.83	30.87	13.30	Peak	
2	2442.900	108.89			95.81	13.08	Peak	
3	2483.800	60.51	74.00	-13.49	47.21	13.30	Peak	

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11g_TX_2437MHz
Test By :Cyril

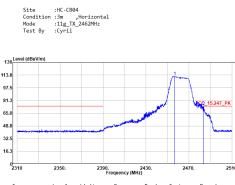


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	32.76	54.00	-21.24	19.60	13.16	Average
2	2443.200	99.30			86.22	13.08	Average
3	2483.600	39.89	54.00	-14.11	26.60	13.29	Average

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

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No. Frequency Over Limit Level Limit Line Factor dB dBuV 2456.600 2483.700 111.93 73.83 98.81 60.54 13.12 13.29 74.00 -0.17

113.8

81.3

65.0

32.5

- Note:

 1. Level = Read Level + Factor

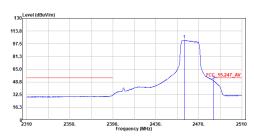
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Horizontal Mode :11g_TX_2462MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2456.500	102.29			89.35	12.94	Average	
2	2483 600	50 49	54 00	-3 51	37 39	13 10	Average	

- Note:

 1. Level = Read Level + Factor

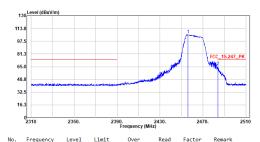
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

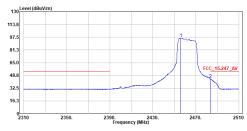




			Line	Limit	Level			
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2456.000	105.80			92.69	13.11	Peak	
2	2402 000	CE AE	74 00	0 00	E2 1E	12 20	Dook	

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11g_TX_2462MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2455.900	96.38			83.27	13.11	Average
2	2483.700	44.34	54.00	-9.66	31.05	13.29	Average

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

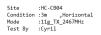
 3. Over Limit Level Limit Line

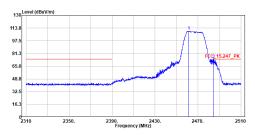
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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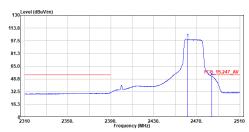




No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2461.400	109.68			96.52	13.16	Peak
2	2484.700	73.68	74.00	-0.32	60.37	13.31	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11g_TX_2467MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1 2	2461.400 2483.800	99.87 52.54	54.00	-1.46	86.90 39.44	12.97 13.10	Average Average

Note:

1. Level = Read Level + Factor

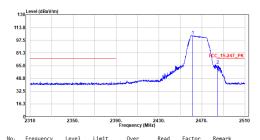
2. Factor = Antenna Factor + Cable Loss - Preamp Factor

3. Over Limit = Level - Limit Line

4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

5. The other emission levels were very low against the limit.

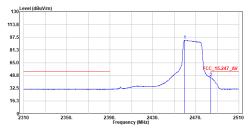




			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2461.300	103.33			90.17	13.16	Peak
2	2494 600	CE 01	74 00	9 00	E2 60	12 21	Dook

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result compiles with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11g_TX_2467MHz
Test By :Cyril



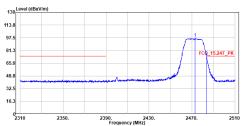
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2459.700	93.86			80.72	13.14	Average
2	2483.800	46.18	54.00	-7.82	32.88	13.30	Average

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2472.800	97.07			83.84	13.23	Peak
2	2483.600	73.77	74.00	-0.23	60.48	13.29	Peak

- Note:

 1. Level = Read Level + Factor

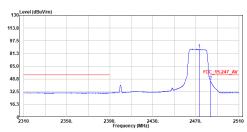
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11g_TX_2472MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1 2	2473.100 2483.600	86.84 46.50	54.00	-7.50	73.61 33.21	13.23 13.29	Average Average

Note:

1. Level = Read Level + Factor

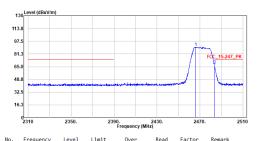
2. Factor = Antenna Factor + Cable Loss - Preamp Factor

3. Over Limit = Level - Limit Line

4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

5. The other emission levels were very low against the limit.

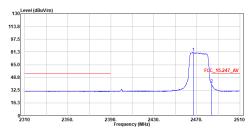
Site :HC-CB04
Condition :3m ,Vertical
Mode :11g_TX_2472MHz
Test By :Cyri1



	rrequency	cerez	Line	Limit	Level	10000	TTC.III.OT TC
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2466.200	89.79			76.61	13.18	Peak
2	2483.600	66.86	74.00	-7.14	53.57	13.29	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit t Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11g_TX_2472MHz
Test By :Cyril



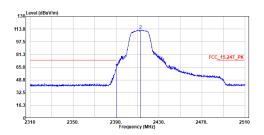
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2466.700	80.31			67.12	13.19	Average
2	2483.600	40.03	54.00	-13.97	26.74	13.29	Average

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Kead Level	Factor	Kemark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	63.12	74.00	-10.88	49.96	13.16	Peak
2	2412.800	112.58			99.46	13.12	Peak

- Note:

 1. Level = Read Level + Factor

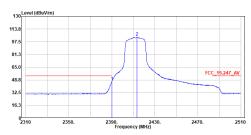
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Horizontal Mode :11n20_TX_2412MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	46.39	54.00	-7.61	33.23	13.16	Average
2	2413.400	103.29			90.17	13.12	Average

Note:

1. Level = Read Level + Factor

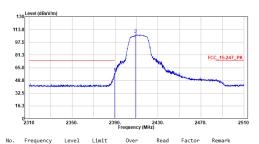
2. Factor = Antenna Factor + Cable Loss - Preamp Factor

3. Over Limit = Level - Limit Line

4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

5. The other emission levels were very low against the limit.

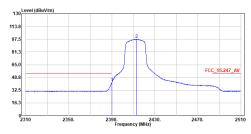
Site :HC-CB04 Condition :3m ,Vertical Mode :11n20_TX_2412MHz Test By :Cyri1



			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.600	58.43	74.00	-15.57	45.27	13.16	Peak
2	2409.200	107.37			94.26	13.11	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n20_TX_2412MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	42.04	54.00	-11.96	28.88	13.16	Average
2	2413.200	97.82			84.70	13.12	Average

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

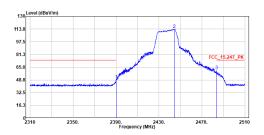
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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No	0.	Frequency	revel	Limit	Limit	Level	Factor	Kemark	
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
	1	2390.000	49.17	74.00	-24.83	36.01	13.16	Peak	
	2	2444.100	113.19			100.11	13.08	Peak	
	3	2483.700	60.99	74.00	-13.01	47.70	13.29	Peak	

- Note:

 1. Level = Read Level + Factor

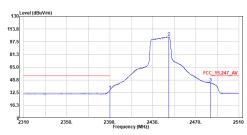
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11n20_TX_2437MHz
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1 2 3	2390.000 2444.900 2483.700	35.33 103.72 45.08	54.00 54.00	-18.67 -8.92	22.17 90.64 31.79	13.16 13.08 13.29	Average Average Average

- Note:

 1. Level = Read Level + Factor

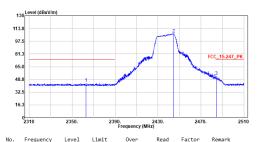
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

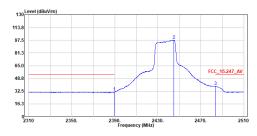
Site :HC-CB04 Condition :3m ,Vertical Mode :11n20_TX_2437MHz Test By :Cyri1



			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2363.000	44.12	74.00	-29.88	30.87	13.25	Peak
2	2444.600	107.06			93.98	13.08	Peak
3	2484.300	52.87	74.00	-21.13	39.57	13.30	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11n20_TX_2437MHz
Test By :Cyri1



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.300	31.46	54.00	-22.54	18.30	13.16	Average
2	2444.900	97.65			84.57	13.08	Average
3	2483.600	38.74	54.00	-15.26	25.45	13.29	Average

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

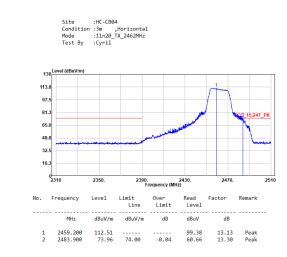
 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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- Note:

 1. Level = Read Level + Factor

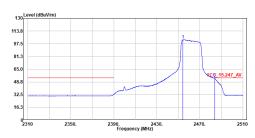
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Horizontal Mode :11n20_TX_2462MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2454.300	102.55			89.44	13.11	Average
2	2/183 800	53 03	54 00	-0 97	30 73	13 30	Avenage

- Note:

 1. Level = Read Level + Factor

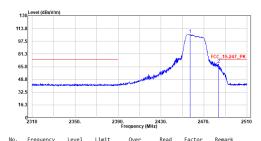
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

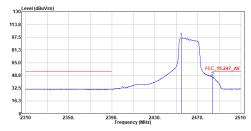




	,		Line	Limit	Level			
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2457.200	106.22			93.10	13.12	Peak	
2	2483 600	68 12	74 00	-5 88	54 83	13 29	Peak	

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n20_TX_2462MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2454.500	96.65			83.54	13.11	Average
2	2483.700	46.87	54.00	-7.13	33.58	13.29	Average

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

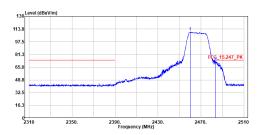
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
	1 2459.900	109.68			96.54	13.14	Peak	
	2 2483.600	72.06	74.00	-1.94	58.77	13.29	Peak	

- Note:

 1. Level = Read Level + Factor

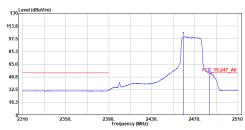
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Horizontal Mode :11n20_TX_2467MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2459.200	100.14			87.01	13.13	Average
2	2483.600	53.94	54.00	-0.06	40.65	13.29	Average

- Note:

 1. Level = Read Level + Factor

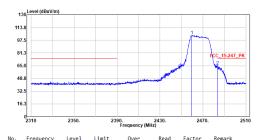
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

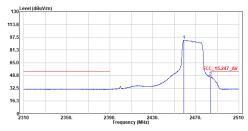




			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2459.700	103.43			90.29	13.14	Peak
2	2492 600	64 93	74 00	0.17	E1 E4	12 20	Dook

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result compiles with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11n20_TX_2467MHz
Test By :Cyri1



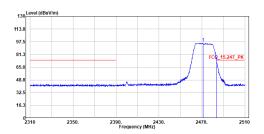
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2459.000	93.92			80.79	13.13	Average
2	2483.600	47.19	54.00	-6.81	33.90	13.29	Average

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2470.900	96.05			82.84	13.21	Peak
2	2483.600	73.56	74.00	-0.44	60.27	13.29	Peak

- Note:

 1. Level = Read Level + Factor

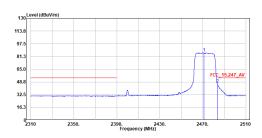
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Horizontal Mode :11n20_TX_2472MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Kead Level	Factor	Kemark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2471.000	85.94			72.73	13.21	Average	
2	2483.600	45.95	54.00	-8.05	32.66	13.29	Average	

- Note:

 1. Level = Read Level + Factor

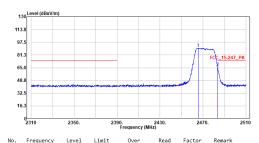
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

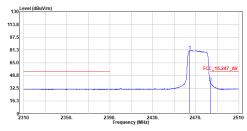
Site :HC-CB04 Condition :3m ,Vertical Mode :11n20_TX_2472MHz Test By :Cyri1



			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2465.500	89.95			76.78	13.17	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result compiles with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11n20_TX_2472MHz
Test By :Cyri1



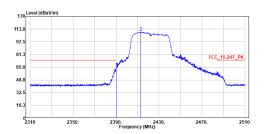
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2464.200	80.37			67.20	13.17	Average
2	2483.600	39.94	54.00	-14.06	26.65	13.29	Average

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

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No.	Frequency	Level	Limit Line	Over Limit	Kead Level	Factor	Kemark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2390.000	64.89	74.00	-9.11	51.73	13.16	Peak	
2	2413.000	110.09			96.97	13.12	Peak	

- Note:

 1. Level = Read Level + Factor

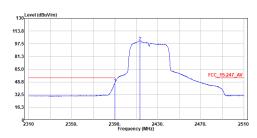
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Horizontal Mode :11n40_TX_2422MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	47.22	54.00	-6.78	34.06	13.16	Average
2	2/12 EQQ	100 26			97 14	12 12	Avenage

- Note:

 1. Level = Read Level + Factor

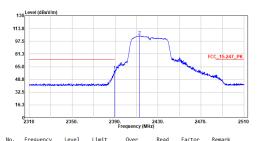
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

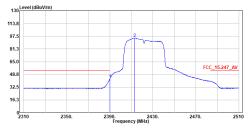




			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.400	59.89	74.00	-14.11	46.73	13.16	Peak
2	2412 700	104 20			01 27	12 12	Dook

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result compiles with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n40_TX_2422MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1 2	2390.000 2413.100	42.85 94.79	54.00	-11.15	29.69 81.67	13.16 13.12	Average Average

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

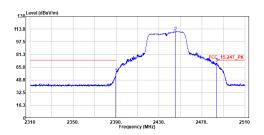
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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NO.	Frequency	revel	Limit	Limit	Level	Factor	Kemark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.900	57.19	74.00	-16.81	44.03	13.16	Peak
2	2445.400	110.57			97.49	13.08	Peak
3	2483.700	70.55	74.00	-3.45	57.26	13.29	Peak

- Note:

 1. Level = Read Level + Factor

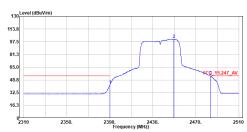
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Horizontal Mode :11n40_TX_2437MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	42.11	54.00	-11.89	28.95	13.16	Average
2	2449.400	100.74			87.67	13.07	Average
3	2483.600	53.57	54.00	-0.43	40.28	13.29	Average

- Note:

 1. Level = Read Level + Factor

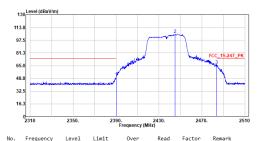
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

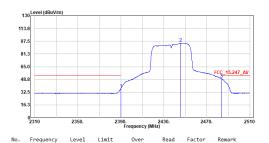




			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	50.55	74.00	-23.45	37.39	13.16	Peak
2	2445.000	105.10			92.02	13.08	Peak
3	2483 600	65.88	74 00	-8.12	52.59	13.29	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n40_TX_2437MHz Test By :Cyril

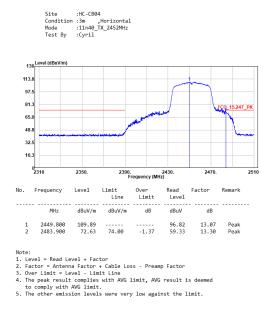


			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2390.000	36.93	54.00	-17.07	23.77	13.16	Average
2	2445.600	94.97			81.89	13.08	Average
3	2/83 600	49 74	54 00	-4.26	36.45	13 29	Avenage

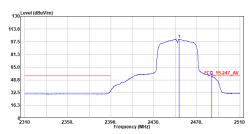
- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

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Site :HC-CB04 Condition :3m ,Horizontal Mode :11n40_TX_2452MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1 2	2453.600 2483.800	100.53 53.51	54.00	-0.49	87.43 40.21	13.10 13.30	Average Average

- Note:

 1. Level = Read Level + Factor

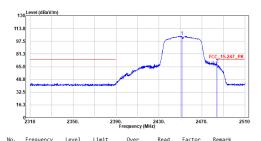
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

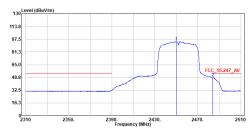
Site :HC-CB04 Condition :3m ,Vertical Mode :11n40_TX_2452MHz Test By :Cyril



			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2451.200	104.05			90.98	13.07	Peak
2	2492 000	69 74	74 00	E 26	CC AA	12 20	Dook

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n40_TX_2452MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2449.900	94.30			81.23	13.07	Average
2	2484.100	48.59	54.00	-5.41	35.29	13.30	Average

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

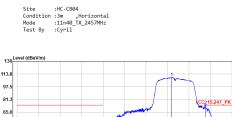
 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

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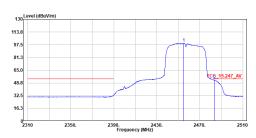
2310		2350.	2390. 2430. Frequency (MHz)		2470.		251	
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2453.700	109.50			96.40	13.10	Peak	
2	2485.300	73.77	74.00	-0.23	60.46	13.31	Peak	

48.8

32.5

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Horizontal Mode :11n40_TX_2457MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2454.900	99.43			86.32	13.11	Average	
2	2483 700	52 47	54 00	-1 53	39 18	13 29	Average	

- Note:

 1. Level = Read Level + Factor

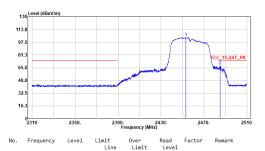
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

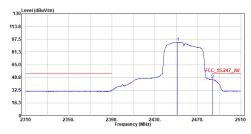
Site :HC-CB04 Condition :3m ,Vertical Mode :11n40_TX_2457MHz Test By :Cyri1



			Carre	Camac	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2453.300	103.31			90.21	13.10	Peak
2	2485.100	67.61	74.00	-6.39	54.30	13.31	Peak

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit t Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n40_TX_2457MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2451.200	93.55			80.48	13.07	Average
2	2483.600	46.27	54.00	-7.73	32.98	13.29	Average

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

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97.5 81.3 65.0 15.247_AV 48.8 32.5 2310 2350. 2470.

No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		
1	2452.200	98.50			85.42	13.08	Average	
2	2492 700	E3 E0	E4 00	0.42	40 20	12 20	Avonago	

Site :HC-CB04 Condition :3m ,Horizontal Mode :11n40_TX_2462MHz Test By :Cyril

130 Level (dBuV/m)

113.8

- Note:

 1. Level = Read Level + Factor

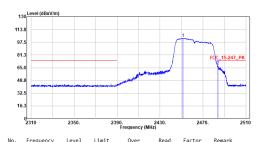
 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

 5. The other emission levels were very low against the limit.

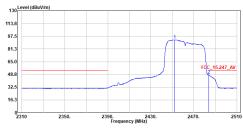




			Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2451.200	102.71			89.64	13.07	Peak
2	2492 000	67 61	74 00	6 40	EA 21	12 20	Dook

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit Level Limit Line
 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
 5. The other emission levels were very low against the limit.

Site :HC-CB04 Condition :3m ,Vertical Mode :11n40_TX_2462MHz Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2452.200	92.94			79.86	13.08	Average

- Note:

 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.

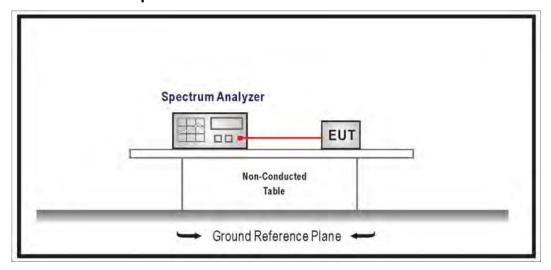
 5. The other emission levels were very low against the limit.

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6. Occupied Bandwidth & DTS Bandwidth

6.1. Test Setup



6.2. Test Limit

The 6 dB bandwidth: \geq 0.50 MHz.

Occupied Bandwidth: NA

6.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01 V05r02 for compliance to FCC 47CFR 15.247 requirements.

6.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247.

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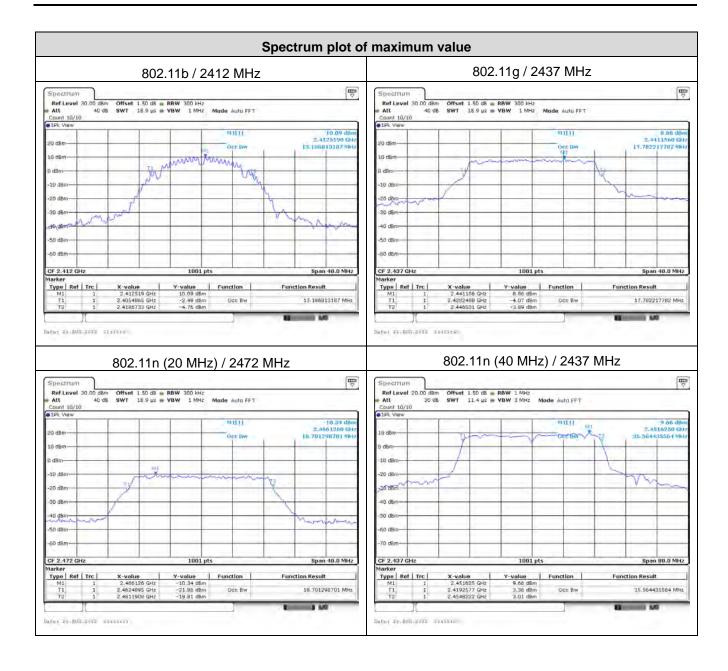
6.5. Test Result of Occupied Bandwidth

Mode 1: EUT 1 with main source of battery

Modulation	(MHz)		Occupied Bandwidth (MHz)	Limit (MHz)
	1	2412	13.186	-
	6	2437	13.066	-
802.11b	11	2462	13.066	-
	12	2467	13.026	-
	13	2472	13.186	-
	1	2412	17.342	-
	6	2437	17.782	-
802.11g	11	2462	17.062	-
	12	2467	17.342	-
	13	2472	17.342	-
	1	2412	18.221	-
	6	2437	18.421	-
802.11n (20 MHz)	11	2462	18.141	-
	12	2467	18.261	-
	13	2472	18.701	-
	3	2422	35.244	-
	6	2437	35.564	-
802.11n (40 MHz)	9	2452	35.004	-
	10	2457	35.084	-
	11	2462	35.164	-

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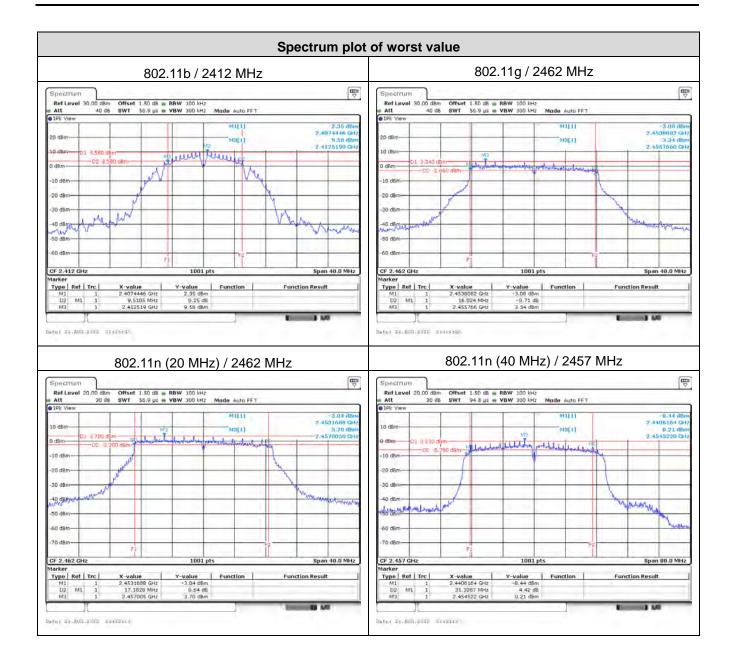
6.6. Test Result of DTS Bandwidth

Mode 1: EUT 1 with main source of battery

Modulation	Modulation Channel F		DTS Bandwidth (MHz)	Limit (MHz)	Result
	1	2412	9.510	≥0.50	Pass
	6	2437	9.510	≥0.50	Pass
802.11b	11	2462	9.510	≥0.50	Pass
	12	2467	9.550	≥0.50	Pass
	13	2472	9.510	≥0.50	Pass
	1	2412	16.343	≥0.50	Pass
	6	2437	16.423	≥0.50	Pass
802.11g	11	2462	16.024	≥0.50	Pass
	12	2467	16.303	≥0.50	Pass
	13	2472	16.343	≥0.50	Pass
	1	2412	17.542	≥0.50	Pass
	6	2437	17.582	≥0.50	Pass
802.11n (20 MHz)	11	2462	17.182	≥0.50	Pass
	12	2467	17.302	≥0.50	Pass
	13	2472	17.582	≥0.50	Pass
	3	2422	32.607	≥0.50	Pass
	6	2437	35.005	≥0.50	Pass
802.11n (40 MHz)	9	2452	32.607	≥0.50	Pass
	10	2457	31.328	≥0.50	Pass
	11	2462	32.607	≧0.50	Pass

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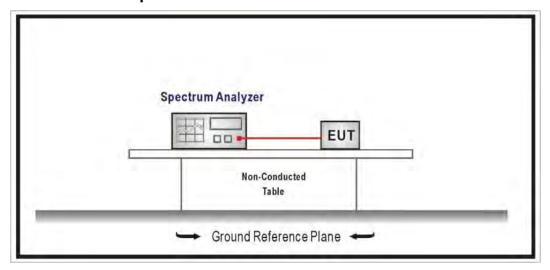
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7. Maximum Power Spectral Density

7.1. Test Setup



7.2. Test Limit

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8 dBm in any 3 kHz band during any time interval of continuous transmission.

7.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01 V05r02 for compliance to FCC 47CFR 15.247 requirements.

7.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247.

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7.5. Test Result of Maximum Power Spectral Density

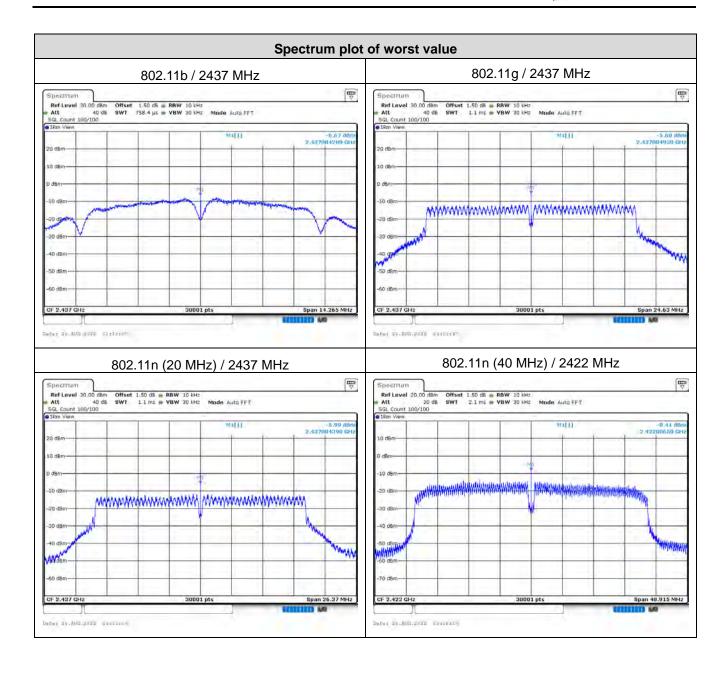
Mode 1: EUT 1 with main source of battery

Modulation	Channel	Frequency (MHz)	Power Spec (dBm /		Limit (dBm / 3kHz)	Result	
		(**** :2)	Ant. 0	Total	(451117 614112)		
	1	2412	-7.780	-7.780	≦8.00	Pass	
	6	2437	-6.670	-6.670	≦8.00	Pass	
802.11b	11	2462	-7.040	-7.040	≦8.00	Pass	
	12	2467	-10.070	-10.070	≦8.00	Pass	
	13	2472	-14.540	-14.540	≦8.00	Pass	
	1	2412	-5.880	-5.856	≦8.00	Pass	
	6	2437	-5.680	-5.656	≦8.00	Pass	
802.11g	11	2462	-9.520	-9.496	≦8.00	Pass	
	12	2467	-11.910	-11.886	≦8.00	Pass	
	13	2472	-26.320	-26.296	≦8.00	Pass	
	1	2412	-8.070	-8.036	≦8.00	Pass	
	6	2437	-5.990	-5.956	≦8.00	Pass	
802.11n (20 MHz)	11	2462	-9.510	-9.476	≦8.00	Pass	
	12	2467	-12.300	-12.266	≦8.00	Pass	
	13	2472	-26.130	-26.096	≦8.00	Pass	
	3	2422	-8.410	-8.340	≦8.00	Pass	
	6	2437	-8.800	-8.730	≦8.00	Pass	
802.11n (40 MHz)	9	2452	-9.160	-9.090	≦8.00	Pass	
	10	2457	-9.270	-9.200	≦8.00	Pass	
	11	2462	-11.770	-11.700	≦8.00	Pass	

Note: Total power spectral density = power spectral density + duty factor, and the duty factor refer to section 1.10.

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