

Test Report No:
23A0228R-RFUSV01S-C

TEST REPORT

FCC Rules&Regulations

Product Name	Communication Module
Brand Name	muRata
Model No.	LBEE5XV1YM
FCC ID	QHQ-LB1YM
Applicant's Name / Address	Laerdal Medical AS Tanke Svilandsgate 30 P.O. Box 377, Stavanger, 4002 Norway
Manufacturer's Name / Address	Murata Manufacturing Co., Ltd. 1-10-1, Higashikotari, Nagaokakyo-shi, Kyoto 617-8555 Japan
Test Method Requested, Standard	FCC CFR Title 47 Part 15 Subpart C Section 15.247 ANSI C63.10-2013
Verdict Summary	IN COMPLIANCE
Documented By	 Amelia Wu
Approved By	 Rueyyan Lin
Date of Receipt	Oct. 11, 2023
Date of Issue	Dec. 19, 2023
Report Version	V1.0

INDEX

	page
Competences and Guarantees.....	3
General Conditions.....	3
Revision History.....	4
Permissive Change.....	5
Summary of Test Result.....	6
Comments and Remarks.....	6
1. General Information.....	7
1.1. EUT Description	7
1.2. EUT Information	7
1.3. Testing Applied Standards.....	8
1.4. Testing Location Information	8
1.5. Measurement Uncertainty	8
1.6. List of Test Equipment.....	9
2. Test Configuration of EUT	10
2.1. Test Condition.....	10
2.2. Test Software Version	10
2.3. The Worst Case Measurement Configuration.....	11
2.4. Tested System Details.....	12
2.5. Configuration of Tested System	12
3. AC Power Line Conducted Emission	13
3.1. Test Setup	13
3.2. Test Limit	13
3.3. Test Procedure	13
3.4. Test Result of AC Power Line Conducted Emission	13
4. Transmitter Radiated Spurious Emission.....	14
4.1. Test Setup	14
4.2. Test Limit	15
4.3. Test Procedure	15
4.4. Test Result of Transmitter Radiated Spurious Emission.....	15
Appendix A. Test Result of AC Power Line Conducted Emission	
Appendix B. Test Result of Transmitter Radiated Spurious Emission	
Appendix C. Test Result of Radiated Emissions Co-location	
Appendix D. Test Setup Photograph	

Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. 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.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Dec. 19, 2023

Permissive Change

Permissive Change	Modifications
Class II Permissive Change (C2PC)	1. Additional platform added (Product: CAN CPU Module 2, Brand: Laerdal Medical AS, Model: 20-19560). 2. Add two same type antennas (Type: dipole, model: 2118909-1) but the gain higher than than the original grant. After evaluating, it was verified for AC power line conducted emission and radiated spurious emission were re-tested.

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	AC Power Line Conducted Emission	PASS	-
4	Transmitter Radiated Spurious Emission	PASS	-
Note: The EUT was installed into the host (brand name: Laerdal Medical AS, model: 204-00250) to perform all the tests.			

Comments and Explanations

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

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.

1. General Information

1.1. EUT Description

Frequency Range	2400 ~ 2483.5 MHz
Operating Frequency	1 Mbps: 2402 ~ 2480 MHz 2 Mbps: 2402 ~ 2480 MHz
Channel Number	1 Mbps: 40 Channels 2 Mbps: 40 Channels
Mode	Bluetooth LE
Type of Modulation	GFSK

The difference between EUT1 and EUT 2 is shown as below (please refer to EUT Photograph):

EUT	Shape	Length of antenna cable (mm)
1	Circle	150+50
2	Square	150+100

The cable length of EUT 1 is shorter and evaluated as worst case.

EUT 1 Antenna Information				
Ant.	Brand Name	Model No.	Type	Gain (dBi)
0	TE connectivity	2118909-1	Dipole	4.3

EUT 2 Antenna Information				
Ant.	Brand Name	Model No.	Type	Gain (dBi)
0	TE connectivity	2118909-1	Dipole	4.3

1.2. EUT Information

EUT Power Type	From Adapter			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point

1.3. Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 414788 D01 v01r01

1.4. Testing Location Information

Testing Location Information		
Test Laboratory : DEKRA Testing and Certification Co., Ltd.		
1 (TAF: 3024)	ADD: No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958	
2 (TAF: 3024)	ADD: No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958	
Test site number for address 1 includes HC-SR02. Test site number for address 2 includes HC-CB02, HC-CB03, HC-CB04, HC-SR10 and HC-SR12.		

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
AC Conduction Emission	HC-SR02	Igor Tseng	20.2 / 57	2023/12/05
Radiated Emission	HC-CB02	Ling Chen Gary Liao	22.5~23.2 / 60~62	2023/11/09~2023/12/10

1.5. 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
AC Power Line Conducted Emission	± 2.34 dB
Transmitter Radiated Spurious Emission	± 3.52 dB below 1 GHz ± 3.56 dB above 1 GHz

1.6. List of Test Equipment

HC-SR02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	9kHz-30MHz, 4line/100A	2022/12/19	2023/12/18
EMI Test Receiver	R&S	ESR3	102608	9 kHz - 3.6 GHz	2023/09/19	2024/09/18
Two-Line V-Network	R&S	ENV216	100096	9kHz-30MHz	2023/06/02	2024/06/01
Coaxial Cable(9 m)	Harbour	RG-400	HC-SR02	9 kHz-2500 MHz	2023/08/04	2024/08/03
EMI Testing System	AUDIX	e3 210616 dekra V9	HC-SR02	N/A	N/A	N/A

HC-CB02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	10 Hz-40 GHz	2023/10/03	2024/10/02
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1272	30 MHz-2 GHz	2023/04/13	2024/04/12
Double Ridged Horn Antenna	RF SPIN	DRH18-E	211211A18EN	1G-18GHz	2023/11/09	2024/11/08
Horn Antenna	Schwarzbeck	BBHA 9170	203	18G-40GHz	2023/02/13	2024/02/12
Pre-Amplifier	EMCI	EMC01820I	980365	30M-8 GHz,20 dB	2023/04/07	2024/04/06
Pre-Amplifier	EMEC	EM01G18GA	060741	1G-18 GHz,50 dB	2023/05/05	2024/05/04
Pre-Amplifier	DEKRA	AP-400C	201801231	18G-40 GHz,48 dB	2023/10/03	2024/10/02
EMI Test Receiver	R&S	ESR7	102260	10 Hz-7 GHz	2022/12/01	2023/11/30
EMI Test Receiver	R&S	ESR7	102260	10 Hz-7 GHz	2023/11/27	2024/11/26
Magnetic Loop Antenna	Teseq	HLA 6121	44287	0.01-30 MHz	2023/10/13	2024/10/12
Coaxial Cable(13m)	Suhner	SF104	HC-CB02	30M-18 GHz	2023/08/14	2024/08/13
Coaxial Cable(3m)	Suhner,Rosnol	SF102_UP0264	HC-CB02-1	18G-40 GHz 3 m	2023/08/14	2024/08/13
Radiated Software	AUDIX	e3 V9	HC-CB02_1	N/A	N/A	N/A

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

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition	
Testing Voltage	AC 120V/60Hz

2.2. Test Software Version

Test Software Version	PUTTY v0.78
-----------------------	-------------

2.3. The Worst Case Measurement Configuration

Tests Item	AC Power Line Conducted Emission
Test Condition	AC power line conducted measurement for line and neutral
Operating Mode	Transmit

Tests Item	Transmitter Radiated Spurious Emission
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Transmit
Operating Mode > 1GHz	Transmit
The EUT was performed at X axis, Y axis and Z axis position for transmitter radiated spurious emission test. The worst case was found at Y axis, so the measurement will follow this same test configuration.	

Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Transmit
1	WiFi 2.4 GHz + Bluetooth
2	WiFi 5 GHz + Bluetooth
Refer to Appendix C for Radiated Emission Co-location.	

Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	Transmit
1	WiFi 2.4 GHz + Bluetooth
2	WiFi 5 GHz + Bluetooth
Refer to DEKRA Test Report No.: 23A0228R-RFUSV17S-A for Co-location RF Exposure Evaluation.	

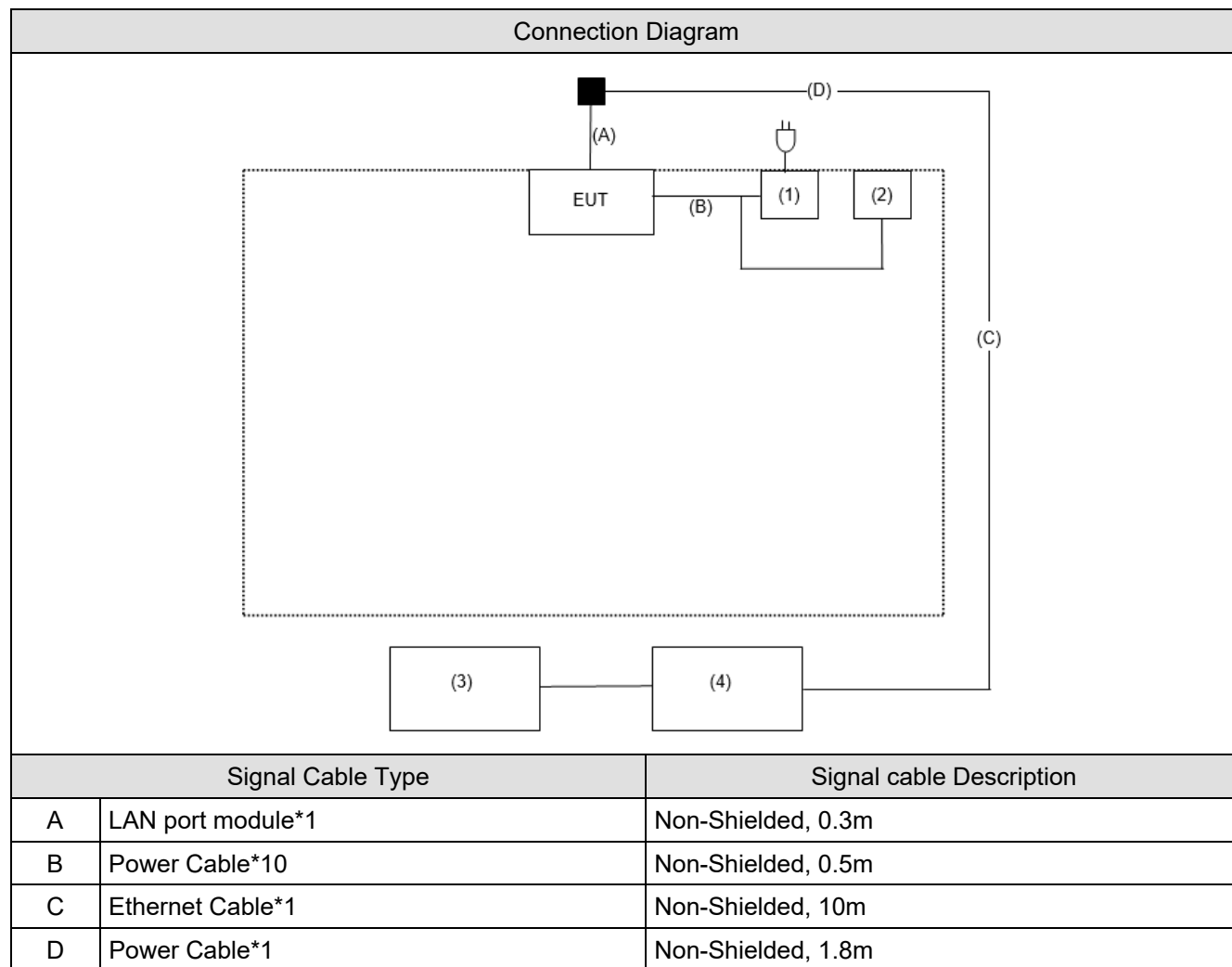
Note:

1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. For radiated spurious emission below 1 GHz and AC power line conducted emission have performed all modes of operation were investigated and the worst-case emissions are reported.

2.4. Tested System Details

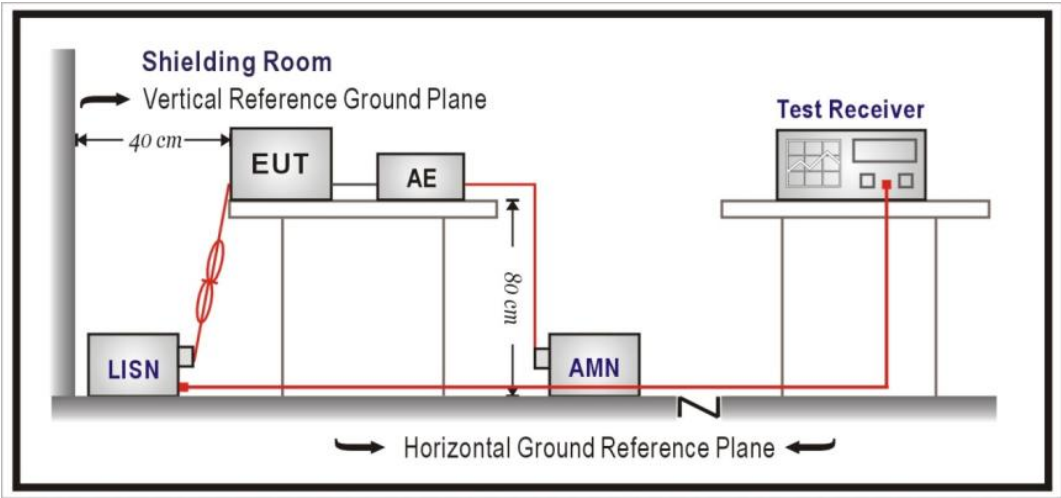
No.	Equipment	Brand Name	Model No.	Serial No.
1	Adapter	FSP	FSP040-RHAN3	N/A
2	Countermeasure board	N/A	N/A	N/A
3	Notebook	DELL	Latitude E6320	8611271467
4	Router	ASUS	RT-AX88U	JCITHP000040

2.5. Configuration of Tested System



3. AC Power Line Conducted Emission

3.1. Test Setup



3.2. Test Limit

Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

3.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 for AC Power Line Conducted Emissions.

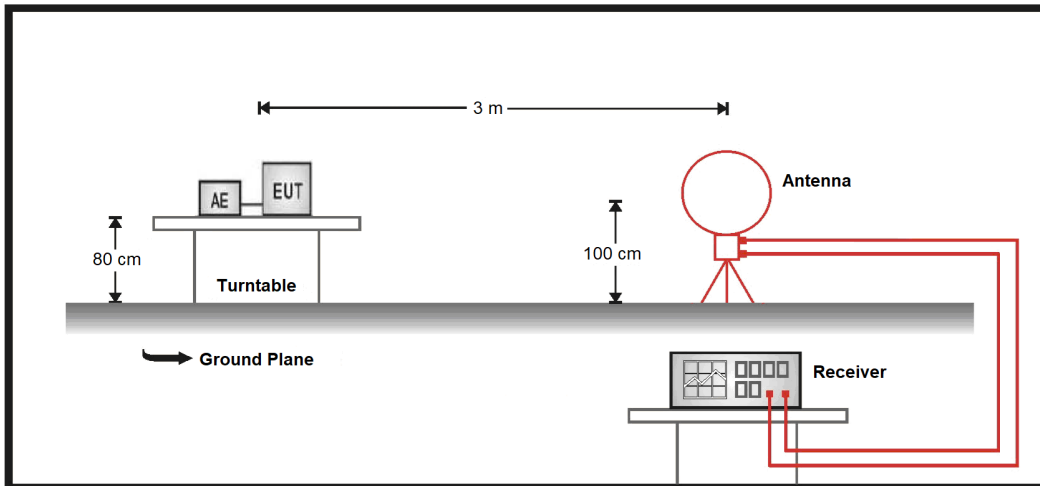
3.4. Test Result of AC Power Line Conducted Emission

Refer as Appendix A

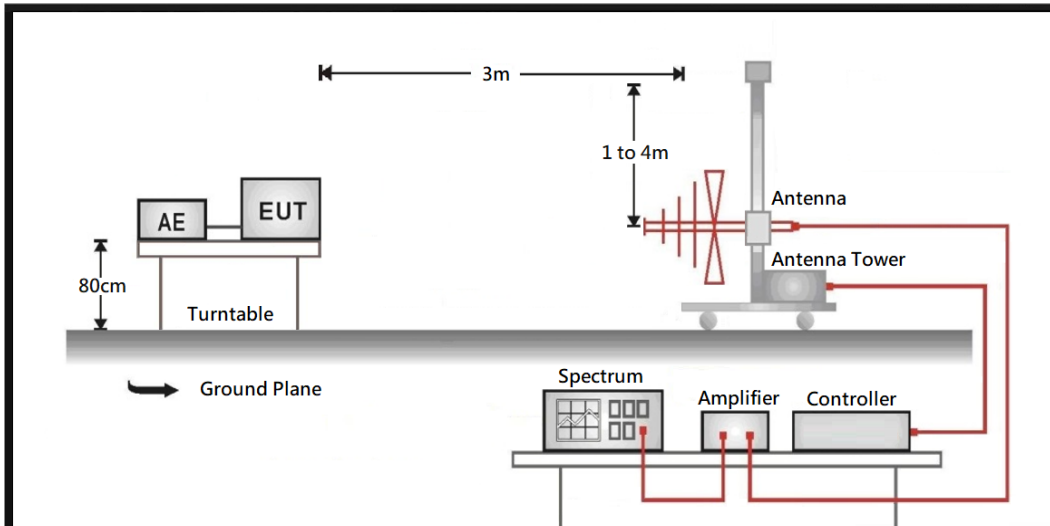
4. Transmitter Radiated Spurious Emission

4.1. Test Setup

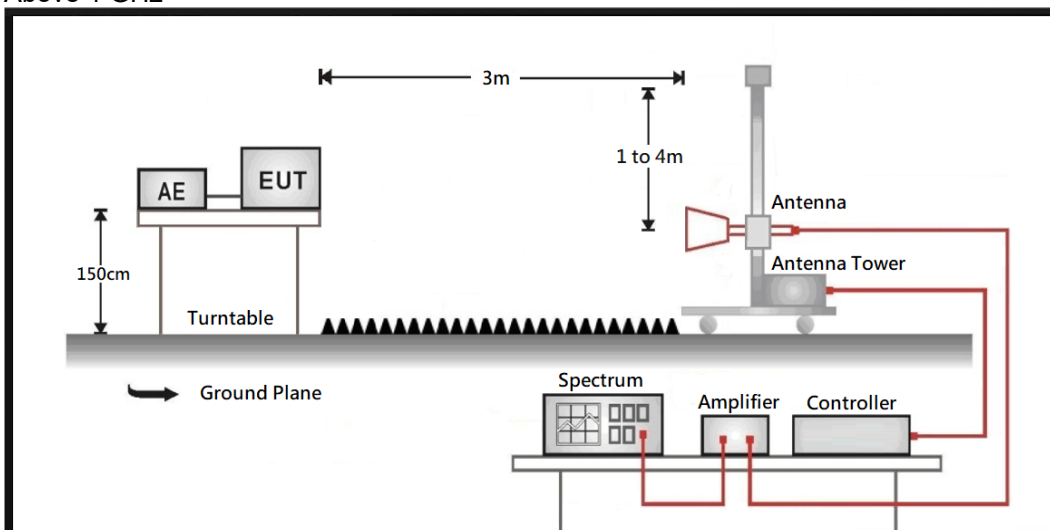
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



4.2. Test Limit

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.

4.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB 558074.

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 from 9 kHz(include 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.

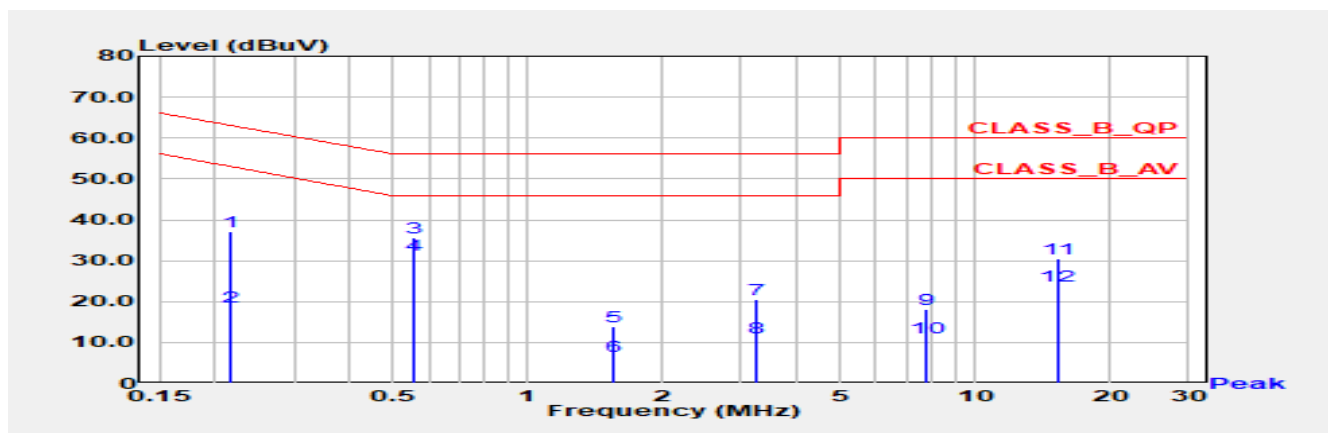
The bandwidth below 1 GHz setting on the field strength meter is 120 kHz and above 1 GHz is 1 MHz.

4.4. Test Result of Transmitter Radiated Spurious Emission

Refer as Appendix B

Appendix A. Test Result of AC Power Line Conducted Emission

Test Mode	Transmit	Phase	Line
Test Condition	GFSK (2 Mbps) / 2402 MHz		

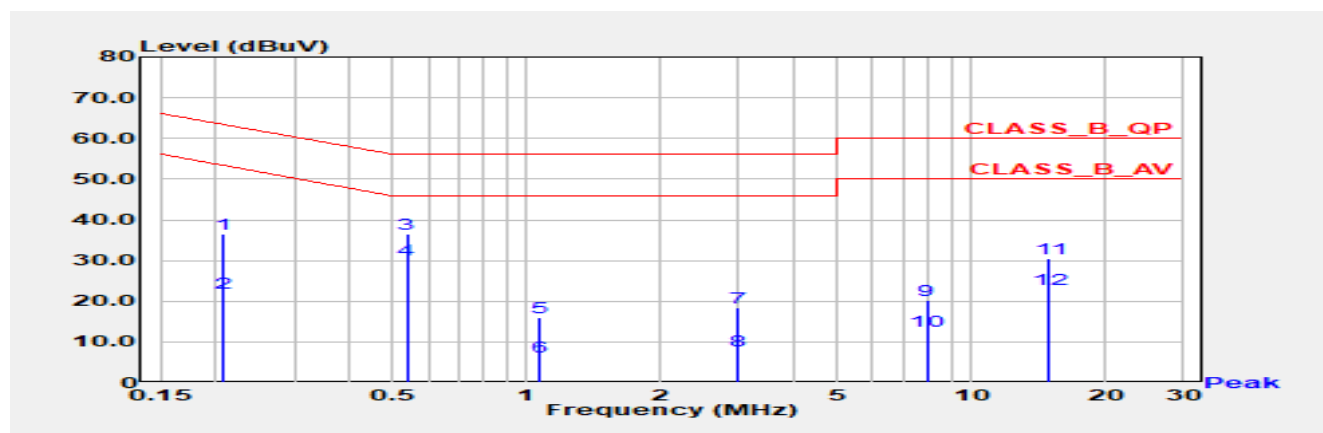


No	Frequency (MHz)	Emission Level (dBUV)	Limit (dBUV)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB)	Detector Type
1	0.217	37.17	62.91	-25.75	27.55	9.62	QP
2	0.217	18.67	52.91	-34.24	9.05	9.62	AV
*3	0.553	35.76	56.00	-20.24	26.10	9.66	QP
*4	0.553	31.29	46.00	-14.71	21.63	9.66	AV
5	1.563	13.86	56.00	-42.14	4.13	9.73	QP
6	1.563	6.56	46.00	-39.44	-3.17	9.73	AV
7	3.219	20.63	56.00	-35.37	10.82	9.81	QP
8	3.219	11.07	46.00	-34.93	1.27	9.81	AV
9	7.793	18.21	60.00	-41.79	8.21	10.00	QP
10	7.793	11.28	50.00	-38.72	1.27	10.00	AV
11	15.240	30.57	60.00	-29.43	20.34	10.24	QP
12	15.240	23.70	50.00	-26.30	13.46	10.24	AV

Remark:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode	Transmit	Phase	Neutral
Test Condition	GFSK (2 Mbps) / 2402 MHz		



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.208	36.62	63.26	-26.65	27.00	9.62	QP
2	0.208	22.08	53.26	-31.19	12.46	9.62	AV
*3	0.537	36.64	56.00	-19.36	26.99	9.65	QP
*4	0.537	30.20	46.00	-15.80	20.56	9.65	AV
5	1.072	15.97	56.00	-40.03	6.26	9.70	QP
6	1.072	6.21	46.00	-39.79	-3.49	9.70	AV
7	2.994	18.34	56.00	-37.66	8.54	9.80	QP
8	2.994	7.90	46.00	-38.10	-1.91	9.80	AV
9	7.933	20.14	60.00	-39.86	10.11	10.03	QP
10	7.933	12.60	50.00	-37.40	2.57	10.03	AV
11	14.982	30.62	60.00	-29.38	20.28	10.33	QP
12	14.982	23.07	50.00	-26.93	12.74	10.33	AV

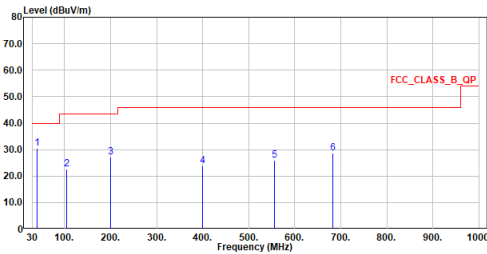
Remark:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Appendix B. Test Result of Transmitter Radiated Spurious Emission

30 MHz ~ 1 GHz

Site : HC-CB02
Condition : 3m Horizontal
Mode : LF_BLE_2M_TX_2402MHz
Test By : Gary

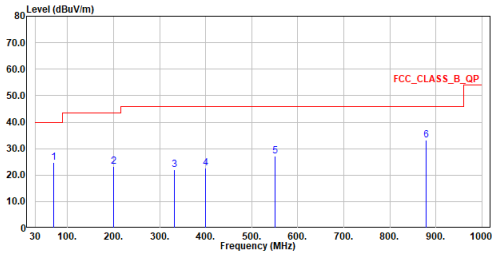


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	40.088	30.59	40.00	-9.41	32.73	-2.14	QP
2	194.690	22.75	43.50	-20.75	29.07	-6.32	QP
3	199.944	27.06	43.50	-16.44	33.07	-6.01	QP
4	399.958	23.82	46.00	-22.18	23.22	0.60	QP
5	556.031	26.00	46.00	-20.00	21.98	4.02	QP
6	683.392	28.66	46.00	-17.34	22.10	6.56	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 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site : HC-CB02
Condition : 3m Vertical
Mode : LF_BLE_2M_TX_2402MHz
Test By : Gary



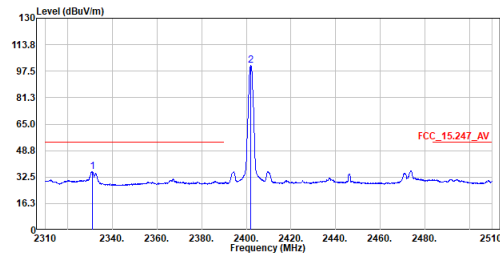
No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	69.091	24.84	40.00	-15.16	29.12	-4.28	QP
2	199.944	23.22	43.50	-20.28	29.23	-6.01	QP
3	332.543	21.94	46.00	-24.06	22.99	-1.05	QP
4	399.958	22.71	46.00	-23.29	22.11	0.60	QP
5	550.696	27.22	46.00	-18.78	23.30	3.92	QP
6	878.071	33.13	46.00	-12.87	23.89	9.24	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 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Above 1 GHz

Site :HC-CB02
Condition :3m Horizontal
Mode :BLE_1M_TX_2402MHz
Test By :Ling

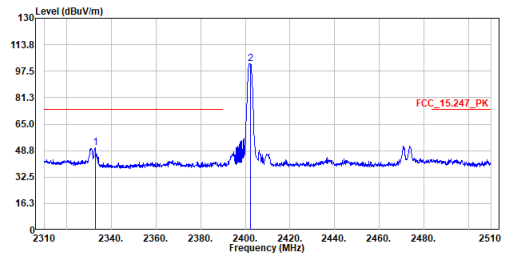


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2330.900	35.82	54.00	-18.18	24.22	11.60	Average
2	2402.000	101.18	-----	-----	89.21	11.97	Average

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-CB02
Condition :3m Horizontal
Mode :BLE_1M_TX_2402MHz
Test By :Ling

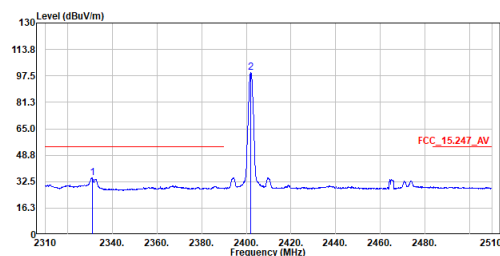


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2332.700	50.44	74.00	-23.56	38.83	11.61	Peak
2	2402.300	102.11	-----	-----	90.14	11.97	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_1M_TX_2402MHz
Test By :Ling

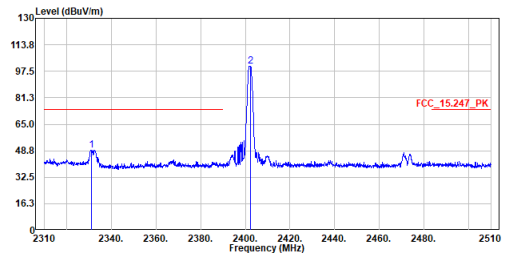


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2330.900	35.05	54.00	-18.95	23.45	11.60	Average
2	2402.000	99.69	-----	-----	87.72	11.97	Average

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-CB02
Condition :3m Vertical
Mode :BLE_1M_TX_2402MHz
Test By :Ling

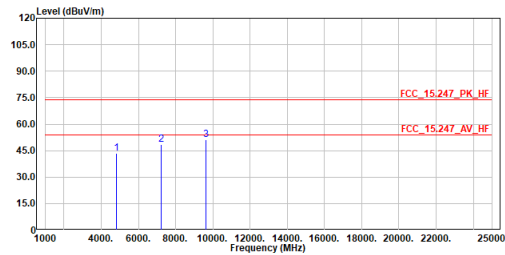


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2331.200	49.18	74.00	-24.82	37.58	11.60	Peak
2	2402.300	100.60	-----	-----	88.63	11.97	Peak

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-CB02
Condition :3m Horizontal
Mode :BLE_1M_TX_2402MHz
Test By :Ling

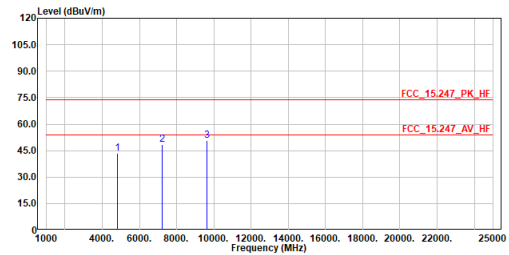


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4894.000	43.49	74.00	-30.51	58.24	-14.75	Peak
2	7296.000	48.27	74.00	-25.73	56.30	-8.03	Peak
3	9688.000	51.04	74.00	-22.96	55.70	-4.66	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_1M_TX_2402MHz
Test By :Ling

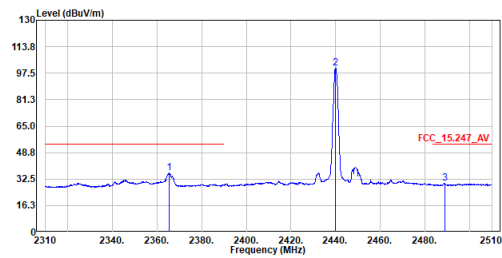


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4894.000	43.52	74.00	-30.48	58.27	-14.75	Peak
2	7296.000	48.52	74.00	-25.48	56.55	-8.03	Peak
3	9688.000	50.66	74.00	-23.34	55.32	-4.66	Peak

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-CB02
Condition :3m Horizontal
Mode :BLE_1M_TX_2440MHz
Test By :Ling

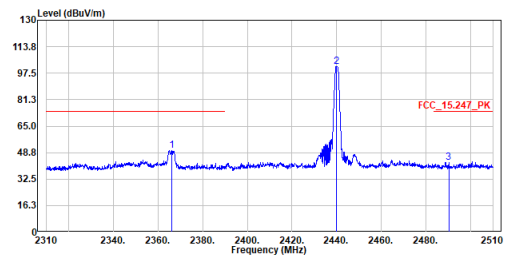


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2365.600	36.25	54.00	-17.75	24.47	11.78	Average
2	2440.000	100.54	-----	-----	88.37	12.17	Average
3	2488.800	29.95	54.00	-24.05	17.51	12.44	Average

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-CB02
Condition :3m Horizontal
Mode :BLE_1M_TX_2440MHz
Test By :Ling

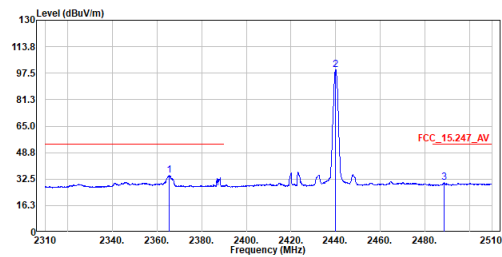


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2366.000	50.27	74.00	-23.73	38.49	11.78	Peak
2	2439.800	101.46	-----	-----	89.29	12.17	Peak
3	2490.200	42.62	74.00	-31.38	30.18	12.44	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_1M_TX_2440MHz
Test By :Ling

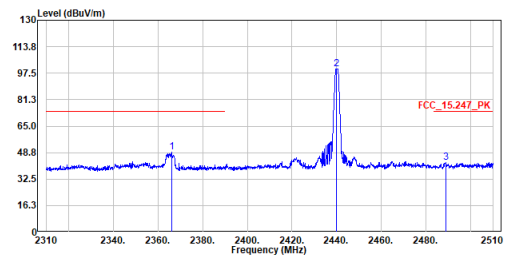


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2365.500	34.85	54.00	-19.15	23.07	11.78	Average
2	2440.000	99.40	-----	-----	87.23	12.17	Average
3	2488.500	30.38	54.00	-23.62	17.94	12.44	Average

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-CB02
Condition :3m Vertical
Mode :BLE_1M_TX_2440MHz
Test By :Ling

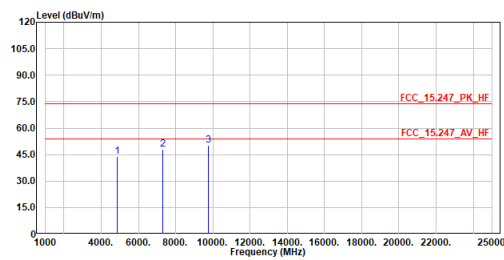


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2366.100	48.86	74.00	-25.14	37.08	11.78	Peak
2	2439.800	100.31	-----	-----	88.14	12.17	Peak
3	2488.900	42.63	74.00	-31.37	30.19	12.44	Peak

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-CB02
Condition :3m Horizontal
Mode :BLE_1M_TX_2440MHz
Test By :Ling

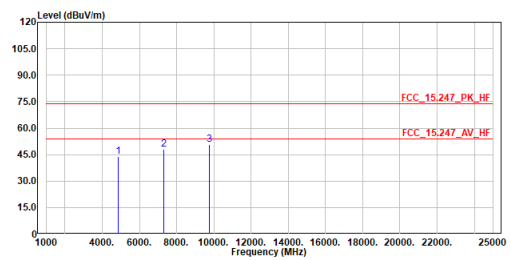


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4880.000	43.85	74.00	-30.15	58.31	-14.46	Peak
2	7320.000	48.22	74.00	-25.78	56.15	-7.93	Peak
3	9760.000	50.06	74.00	-23.94	54.41	-4.35	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_1M_TX_2440MHz
Test By :Ling

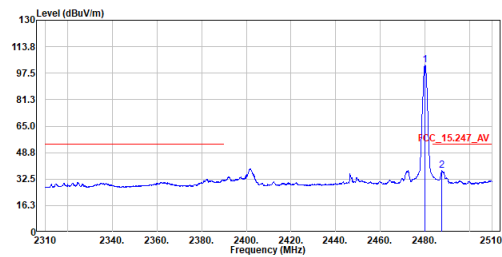


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4880.000	43.80	74.00	-30.20	58.26	-14.46	Peak
2	7320.000	48.08	74.00	-25.92	56.01	-7.93	Peak
3	9760.000	50.75	74.00	-23.25	55.10	-4.35	Peak

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-CB02
Condition :3m Horizontal
Mode :BLE_1M_TX_2480MHz
Test By :Ling

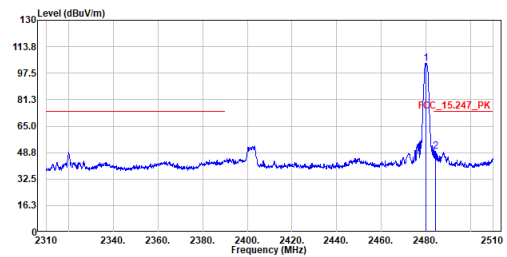


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.000	102.41	-----	-----	90.02	12.39	Average
2	2487.600	37.57	54.00	-16.43	25.14	12.43	Average

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-CB02
Condition :3m Horizontal
Mode :BLE_1M_TX_2480MHz
Test By :Ling

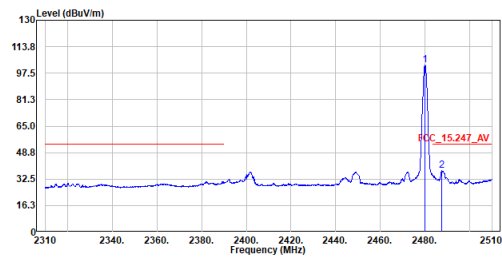


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.100	103.33	-----	-----	90.94	12.39	Peak
2	2484.400	49.48	74.00	-24.52	37.07	12.41	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_1M_TX_2480MHz
Test By :Ling

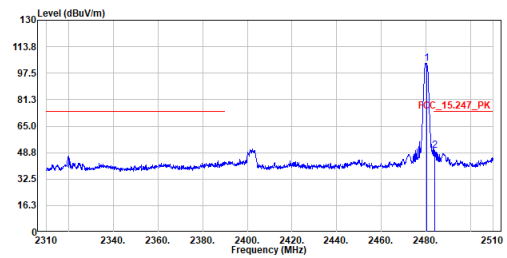


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.000	102.39	-----	-----	90.00	12.39	Average
2	2487.600	37.61	54.00	-16.39	25.18	12.43	Average

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-CB02
Condition :3m Vertical
Mode :BLE_1M_TX_2480MHz
Test By :Ling

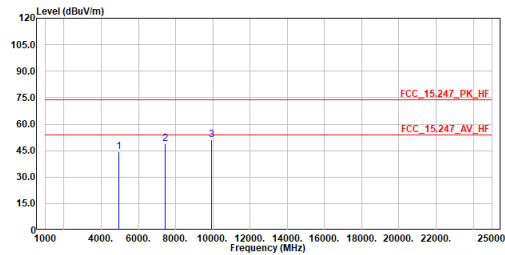


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.300	103.32	-----	-----	90.93	12.39	Peak
2	2483.900	49.80	74.00	-24.20	37.39	12.41	Peak

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-CB02
Condition :3m Horizontal
Mode :BLE_1M_TX_2480MHz
Test By :Ling

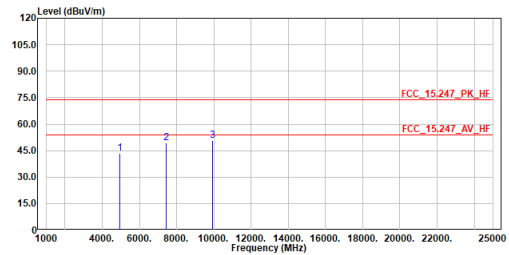


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	44.22	74.00	-29.78	58.36	-14.14	Peak
2	7440.000	48.90	74.00	-25.10	56.72	-7.82	Peak
3	9920.000	51.18	74.00	-22.82	55.20	-4.02	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_1M_TX_2480MHz
Test By :Ling

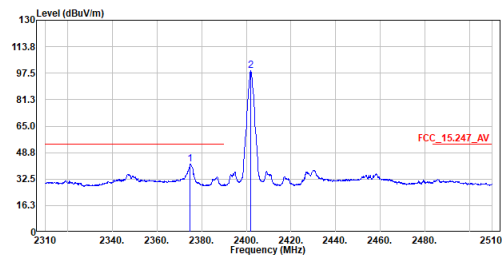


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	43.31	74.00	-30.69	57.45	-14.14	Peak
2	7440.000	49.15	74.00	-24.85	56.97	-7.82	Peak
3	9920.000	50.92	74.00	-23.08	54.94	-4.02	Peak

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-CB02
Condition :3m Horizontal
Mode :BLE_2M_TX_2480MHz
Test By :Ling

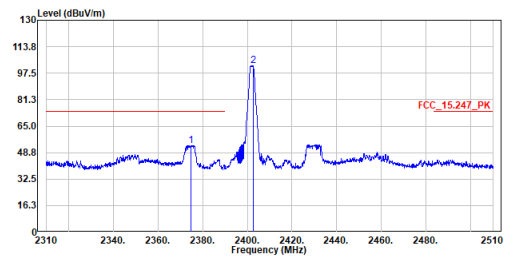


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2374.800	41.53	54.00	-12.47	29.70	11.83	Average
2	2482.000	99.01	-----	-----	87.04	11.97	Average

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-CB02
Condition :3m Horizontal
Mode :BLE_2M_TX_2480MHz
Test By :Ling

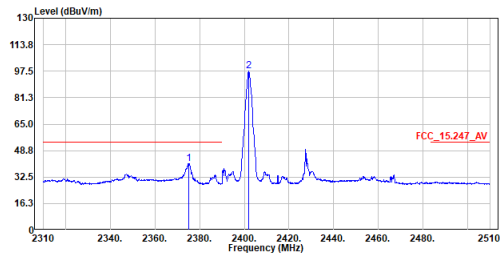


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2374.800	53.19	74.00	-20.81	41.36	11.83	Peak
2	2482.500	102.02	-----	-----	90.04	11.98	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_2M_TX_2402MHz
Test By :Ling

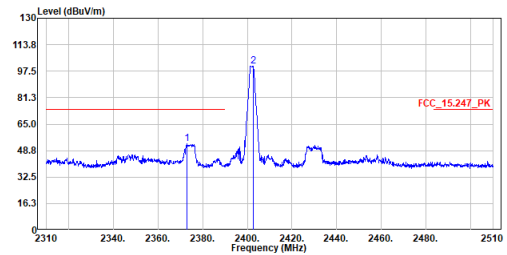


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2375.200	40.83	54.00	-13.17	29.00	11.83	Average
2	2401.900	97.65	-----	-----	85.68	11.97	Average

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-CB02
Condition :3m Vertical
Mode :BLE_2M_TX_2402MHz
Test By :Ling

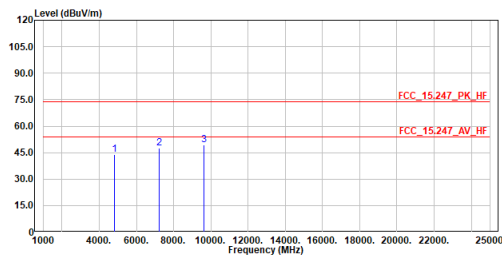


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2372.900	52.76	74.00	-21.24	40.93	11.83	Peak
2	2402.500	100.65	-----	-----	88.67	11.98	Peak

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-CB02
Condition :3m Horizontal
Mode :BLE_2M_TX_2402MHz
Test By :Ling

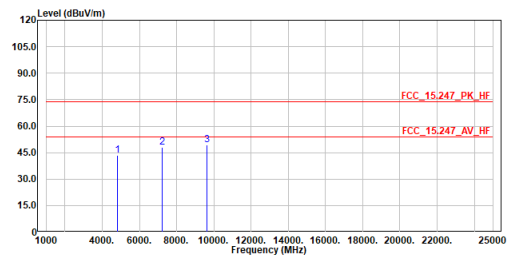


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4804.000	43.95	74.00	-30.05	58.70	-14.75	Peak
2	7206.000	47.35	74.00	-26.65	55.38	-8.03	Peak
3	9608.000	49.58	74.00	-24.42	54.24	-4.66	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_2M_TX_2402MHz
Test By :Ling

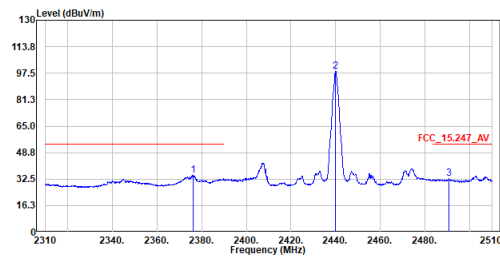


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4804.000	43.56	74.00	-30.44	58.31	-14.75	Peak
2	7206.000	48.14	74.00	-25.86	56.17	-8.03	Peak
3	9608.000	49.42	74.00	-24.58	54.08	-4.66	Peak

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-CB02
Condition :3m Horizontal
Mode :BLE_2M_TX_2440MHz
Test By :Ling

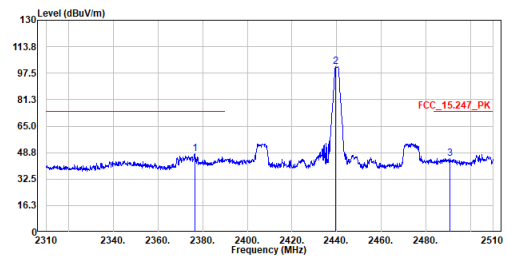


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2376.300	34.91	54.00	-19.09	23.07	11.84	Average
2	2440.000	98.55	-----	-----	86.38	12.17	Average
3	2490.800	32.74	54.00	-21.26	20.30	12.44	Average

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-CB02
Condition :3m Horizontal
Mode :BLE_2M_TX_2440MHz
Test By :Ling

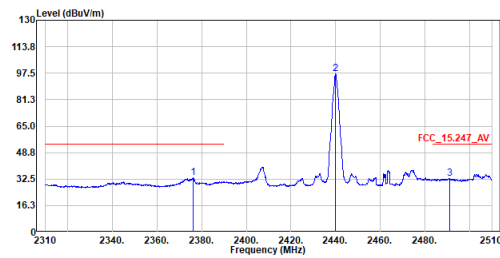


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2376.400	47.87	74.00	-26.13	36.03	11.84	Peak
2	2439.600	101.49	-----	-----	89.32	12.17	Peak
3	2490.800	45.11	74.00	-28.89	32.67	12.44	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_2M_TX_2440MHz
Test By :Ling

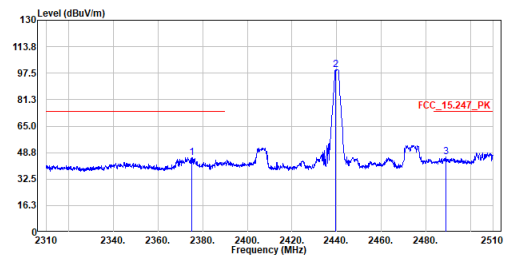


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2376.100	33.19	54.00	-20.81	21.36	11.83	Average
2	2440.000	96.89	-----	-----	84.72	12.17	Average
3	2491.200	32.98	54.00	-21.02	20.54	12.44	Average

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-CB02
Condition :3m Vertical
Mode :BLE_2M_TX_2440MHz
Test By :Ling

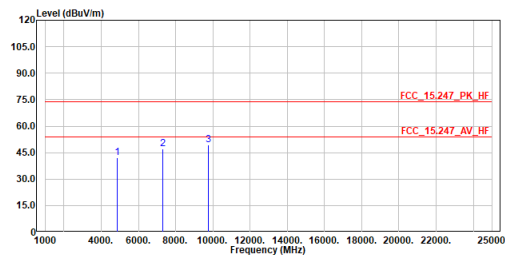


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2375.200	45.61	74.00	-28.39	33.78	11.83	Peak
2	2439.600	99.81	-----	-----	87.64	12.17	Peak
3	2489.100	46.27	74.00	-27.73	33.83	12.44	Peak

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-CB02
Condition :3m Horizontal
Mode :BLE_2M_TX_2440MHz
Test By :Ling

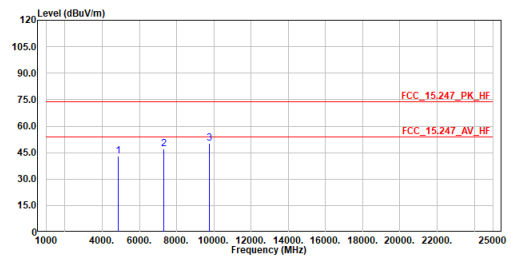


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4880.000	42.23	74.00	-31.77	56.69	-14.46	Peak
2	7320.000	47.23	74.00	-26.77	55.16	-7.93	Peak
3	9760.000	49.19	74.00	-24.81	53.54	-4.35	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_2M_TX_2440MHz
Test By :Ling

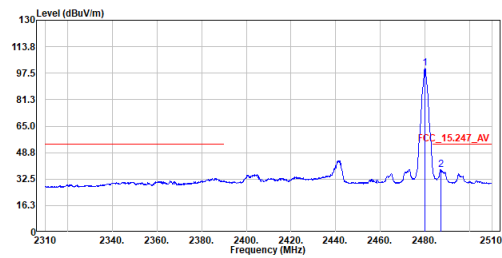


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4880.000	43.19	74.00	-30.81	57.65	-14.46	Peak
2	7320.000	46.96	74.00	-27.04	54.89	-7.93	Peak
3	9760.000	50.07	74.00	-23.93	54.42	-4.35	Peak

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-CB02
Condition :3m Horizontal
Mode :BLE_2M_TX_2480MHz
Test By :Ling

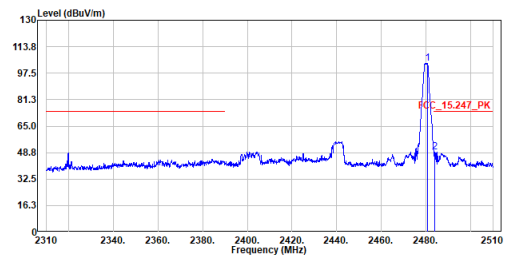


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.000	100.52	-----	-----	88.13	12.39	Average
2	2487.000	38.39	54.00	-15.61	25.97	12.42	Average

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-CB02
Condition :3m Horizontal
Mode :BLE_2M_TX_2480MHz
Test By :Ling

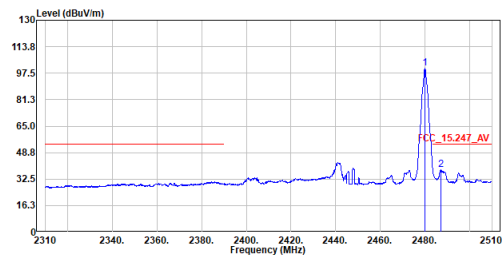


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.000	103.44	-----	-----	91.05	12.39	Peak
2	2484.000	49.16	74.00	-24.84	36.75	12.41	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_2M_TX_2480MHz
Test By :Ling

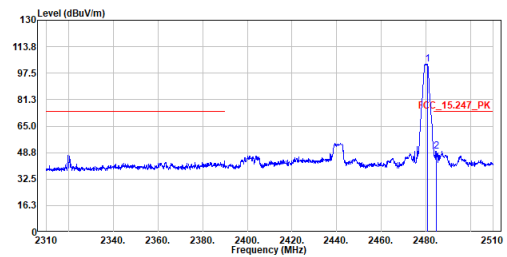


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.000	100.33	-----	-----	87.94	12.39	Average
2	2487.200	38.33	54.00	-15.67	25.91	12.42	Average

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-CB02
Condition :3m Vertical
Mode :BLE_2M_TX_2480MHz
Test By :Ling

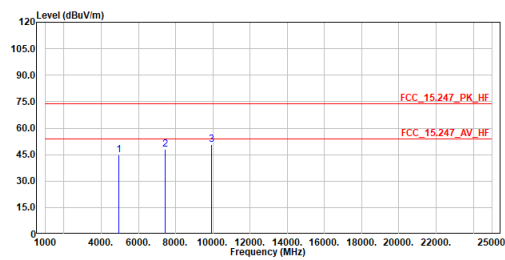


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.600	103.24	-----	-----	90.85	12.39	Peak
2	2484.500	49.65	74.00	-24.35	37.24	12.41	Peak

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-CB02
Condition :3m Horizontal
Mode :BLE_2M_TX_2480MHz
Test By :Ling

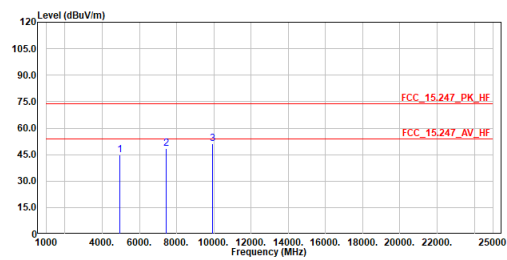


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	44.70	74.00	-29.30	58.84	-14.14	Peak
2	7440.000	48.07	74.00	-25.93	55.89	-7.82	Peak
3	9920.000	50.82	74.00	-23.18	54.84	-4.02	Peak

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-CB02
Condition :3m Vertical
Mode :BLE_2M_TX_2480MHz
Test By :Ling



No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	44.98	74.00	-29.02	59.12	-14.14	Peak
2	7440.000	48.37	74.00	-25.63	56.19	-7.82	Peak
3	9920.000	51.20	74.00	-22.80	55.22	-4.02	Peak

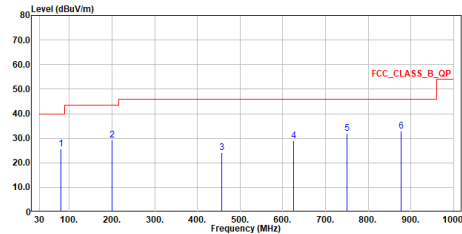
Note:

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.

Appendix C. Test Result of Radiated Emissions Co-location

1. WiFi 2.4 GHz + Bluetooth 30 MHz ~ 1 GHz:

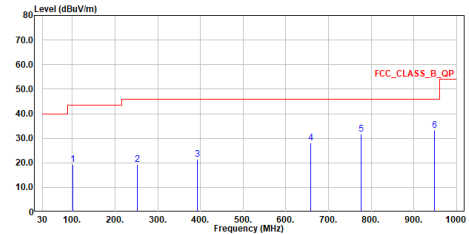
Site :HC-CB02
Condition :3m Horizontal
Mode :LF_Co-location_Wifi_2.4G+BLE
Test By :Gary



No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	79.955	25.69	40.00	-14.31	32.52	-6.83	QP
2	199.944	29.26	43.50	-14.24	35.27	-6.01	QP
3	457.576	24.27	46.00	-21.73	22.02	2.25	QP
4	624.998	28.91	46.00	-17.09	23.19	5.72	QP
5	750.031	31.94	46.00	-14.06	24.02	7.92	QP
6	877.683	32.98	46.00	-13.02	23.73	9.25	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 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m Vertical
Mode :LF_Co-location_Wifi_2.4G+BLE
Test By :Gary

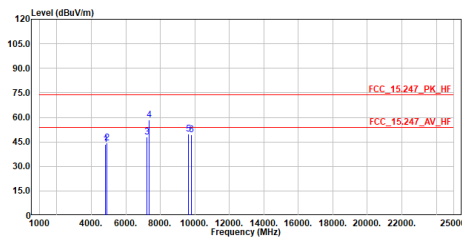


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	101.489	19.36	43.50	-24.14	26.30	-6.94	QP
2	252.809	19.22	46.00	-26.78	22.88	-3.66	QP
3	391.810	21.57	46.00	-24.43	21.06	0.51	QP
4	658.172	28.22	46.00	-17.78	21.85	6.37	QP
5	776.318	31.73	46.00	-14.27	23.38	8.35	QP
6	948.493	33.14	46.00	-12.86	22.47	10.67	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 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Above 1 GHz:

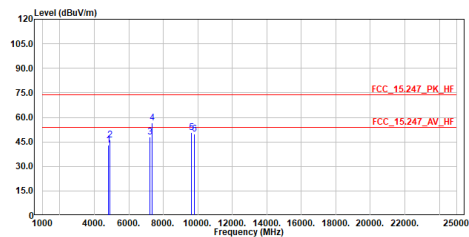
Site :HC-CB02
Condition :3m Horizontal
Mode :Co-location_Wifi_2.4G+BLE
Test By :Gary



No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4804.000	43.35	74.00	-30.65	58.10	-14.75	Peak
2	4904.000	44.40	74.00	-29.60	58.76	-14.36	Peak
3	7206.000	47.96	74.00	-26.04	55.99	-8.03	Peak
4	7356.000	58.33	74.00	-15.67	66.23	-7.90	Peak
5	9608.000	49.71	74.00	-24.29	54.37	-4.66	Peak
6	9808.000	49.58	74.00	-24.42	53.84	-4.26	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-CB02
Condition :3m Vertical
Mode :Co-location_Wifi_2.4G+BLE
Test By :Gary

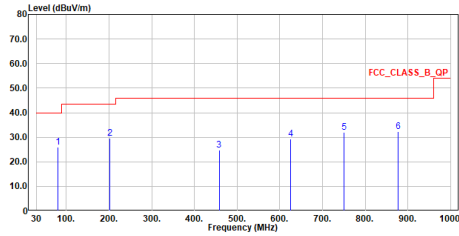


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4804.000	42.89	74.00	-31.11	57.64	-14.75	Peak
2	4904.000	46.41	74.00	-27.59	60.77	-14.36	Peak
3	7206.000	48.10	74.00	-25.90	56.13	-8.03	Peak
4	7356.000	56.47	74.00	-17.53	64.37	-7.90	Peak
5	9608.000	50.56	74.00	-23.44	55.22	-4.66	Peak
6	9808.000	49.78	74.00	-24.22	54.04	-4.26	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.

2. WiFi 5 GHz + Bluetooth 30 MHz ~ 1 GHz:

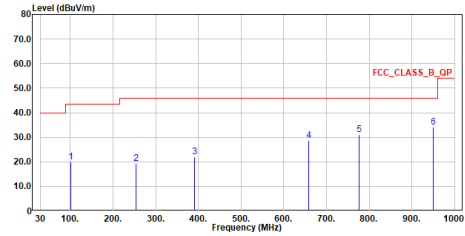
Site :HC-CB02
Condition :3m Horizontal
Mode :LF_Co-location_Wifi_5G+BLE
Test By :Gary



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	79.815	25.86	40.00	-14.14	32.69	-6.83	QP
2	200.944	29.51	43.50	-13.99	35.52	-6.01	QP
3	457.775	24.02	46.00	-21.98	22.57	2.25	QP
4	625.018	29.21	46.00	-16.79	23.49	5.72	QP
5	750.031	31.94	46.00	-14.06	24.02	7.92	QP
6	877.569	32.33	46.00	-13.67	23.08	9.25	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 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m Vertical
Mode :LF_Co-location_Wifi_5G+BLE
Test By :Gary

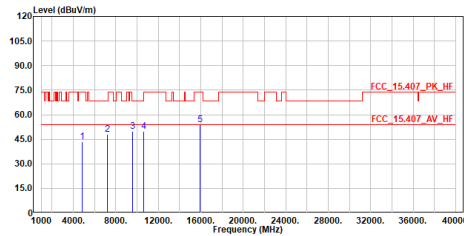


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	101.623	19.84	43.50	-23.66	26.78	-6.94	QP
2	253.209	19.37	46.00	-26.63	23.03	-3.66	QP
3	391.189	21.90	46.00	-24.10	21.39	0.51	QP
4	658.139	28.55	46.00	-17.45	22.18	6.37	QP
5	776.156	31.16	46.00	-14.84	22.81	8.35	QP
6	949.516	34.02	46.00	-11.98	23.35	10.67	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 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Above 1 GHz:

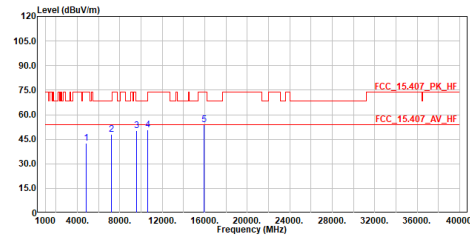
Site :HC-CB02
Condition :3m Horizontal
Mode :Co-location_Wifi_5G+BLE
Test By :Gary



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	43.25	74.00	-30.75	58.00	-14.75	Peak
2	7206.000	47.09	68.20	-20.31	55.92	-8.03	Peak
3	9608.000	49.60	68.20	-18.60	54.26	-4.66	Peak
4	10640.000	50.00	74.00	-24.00	53.14	-3.14	Peak
5	15960.000	53.72	74.00	-20.28	50.76	2.96	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-CB02
Condition :3m Vertical
Mode :Co-location_Wifi_5G+BLE
Test By :Gary



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	42.78	74.00	-31.22	57.53	-14.75	Peak
2	7206.000	46.11	68.20	-20.09	56.14	-8.03	Peak
3	9608.000	50.32	68.20	-17.88	54.98	-4.66	Peak
4	10640.000	50.67	74.00	-23.33	53.81	-3.14	Peak
5	15960.000	53.93	74.00	-20.07	50.97	2.96	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.