

Test Report No:
2450569R-RFUSV17S-B

TEST REPORT

FCC Rules&Regulations

Product Name	ICL V2
Brand Name	ICE  CONNECT
Model No.	V02RCXITG
FCC ID	2AXBO-V02RCXITG
Applicant's Name / Address	Unabiz Co Ltd Neihu District, 618 Ruiguang Road, 10th floor, Taipei, Taiwan
Manufacturer's Name / Address	Unabiz Co Ltd Neihu District, 618 Ruiguang Road, 10th floor, Taipei, Taiwan
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	 Allen Lin
Date of Receipt	May 23, 2024
Date of Issue	Dec. 09, 2024
Report Version	V1.0

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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. 09, 2024

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
-	AC Power Line Conducted Emission	N/A	Note
3	Occupied Bandwidth & DTS Bandwidth	PASS	-
4	Maximum Conducted Output Power	PASS	-
5	Maximum Power Spectral Density	PASS	-
6	Antenna Port Conducted Emission	PASS	-
7	Transmitter Radiated Spurious Emission	PASS	-
Note: The EUT was powered by DC 3.6V (battery). It's not necessary to apply to AC Power Line Conducted Emission test.			

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	902 ~ 928 MHz
Operating Frequency	903 ~ 914.2 MHz
Channel Spacing	1.6 MHz
Channel Bandwidth	500 kHz
Channel Number	8 Channels
Type of Modulation	LoRa-CSS

Accessories Information					
No.	Equipment Name	Brand Name	Model No.	Rating	Remark
1	Battery (Blue)	Sunmoon	ER14505-2CW-S	DC 3.6V, 5.2Ah, 18.72wh	Non-rechargeable
2	EVE Battery (Black)	EVE	F1080B-LF	DC 3.6V, 5.4Ah	Non-rechargeable (Second Source)
No.	Equipment Name	Brand Name	Model No.	Description	
3	CT Clamp	Thousand Hundred Industrial CO.,LTD.	CT241100ML16	-	
4	Temperature sensor	HUIZHOU JIN YUAN XIANG ELECTRONIC CO., LTD.	JYX-JGX18B20-GK-HT2050-240219C	-	

Antenna Information				
Ant.	Brand Name	Model No.	Type	Gain (dBi)
1	ARISTOTLE	RFA-S89-T355-2.5M-R2	PIFA	2.15

Working Frequency of Each Channel (500kHz)	
Channel	Frequency
00	903 MHz
01	904.6 MHz
02	906.2 MHz
03	907.8 MHz
04	909.4 MHz
05	911 MHz
06	912.6 MHz
07	914.2 MHz

1.2. EUT Information

EUT Power Type	From Battery		
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 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
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 Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
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
RF Conducted Emission	HC-SR12	Max Chang	23 / 62	2024/10/22
Radiated Emission	HC-CB02	Scott Chang	21.1~22.1 / 55~61	2024/10/25~2024/10/26

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
Occupied Bandwidth & DTS Bandwidth	± 105.93 Hz
Maximum Conducted Output Power	± 1.16 dB
Maximum Power Spectral Density	± 2.47 dB
Antenna Port Conducted Emission	± 2.47 dB
Transmitter Radiated Spurious Emission	± 3.52 dB below 1 GHz ± 3.56 dB above 1 GHz

1.6. List of Test Equipment

HC-SR12

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	0.3-40 GHz	2023/10/25	2024/10/24
Pulse Power Sensor	Anritsu	MA2411B	1531043	0.3-40 GHz	2023/10/25	2024/10/24
Signal & Spectrum Analyzer	R&S	FSV40	101869	10Hz-40GHz	2024/06/20	2025/06/19

HC-CB02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal and Spectrum Analyzer	R&S	FSVA40	101435	10 Hz-40 GHz	2024/05/17	2025/05/16
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1272	30 MHz-2 GHz	2024/04/29	2025/04/28
Double Ridged Horn Antenna	RF SPIN	DRH18-E	211211A18E N	1G-18GHz	2023/11/09	2024/11/08
Horn Antenna	Schwarzbeck	BBHA 9170	203	18G-40GHz	2024/02/02	2025/02/01
Pre-Amplifier	EMCI	EMC01820I	980365	30M-8 GHz,20 dB	2024/04/02	2025/04/01
Pre-Amplifier	EMEC	EM01G18GA	060741	1G-18 GHz,50 dB	2024/04/23	2025/04/22
Pre-Amplifier	DEKRA	AP-400C	201801231	18G-40 GHz,48 dB	2024/10/15	2025/10/14
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	2024/10/17	2025/10/16
Coaxial Cable	Huber+Suhner	SF104	HC-CB02	30 MHz-18 GHz, 13m	2024/08/13	2025/08/12
Coaxial Cable	Huber+Suhner ,Rosnol	SF102_UP0264	HC-CB02-1	18-40 GHz, 3 m	2024/08/13	2025/08/12
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	DC 3.6V

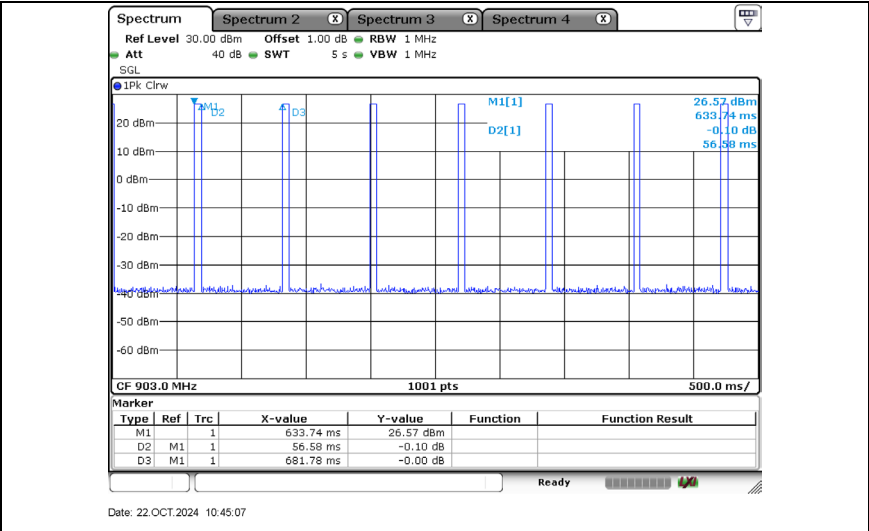
2.2. Test Frequency Mode

Test Software Version	TeraTerm 4.106
-----------------------	----------------

Modulation	Frequency (MHz)	Power Setting
CSS (500kHz)	903	14.0
	907.8	14.0
	914.2	14.0

2.3. Duty Cycle

Mode	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
CSS (500kHz)	56.580	681.780	8.30	10.810	0.018



2.4. The Worst Case Measurement Configuration

Tests Item	Occupied Bandwidth & DTS Bandwidth Maximum Conducted Output Power Maximum Power Spectral Density Antenna Port Conducted Emission
Test Condition	Conducted measurement at transmit chains

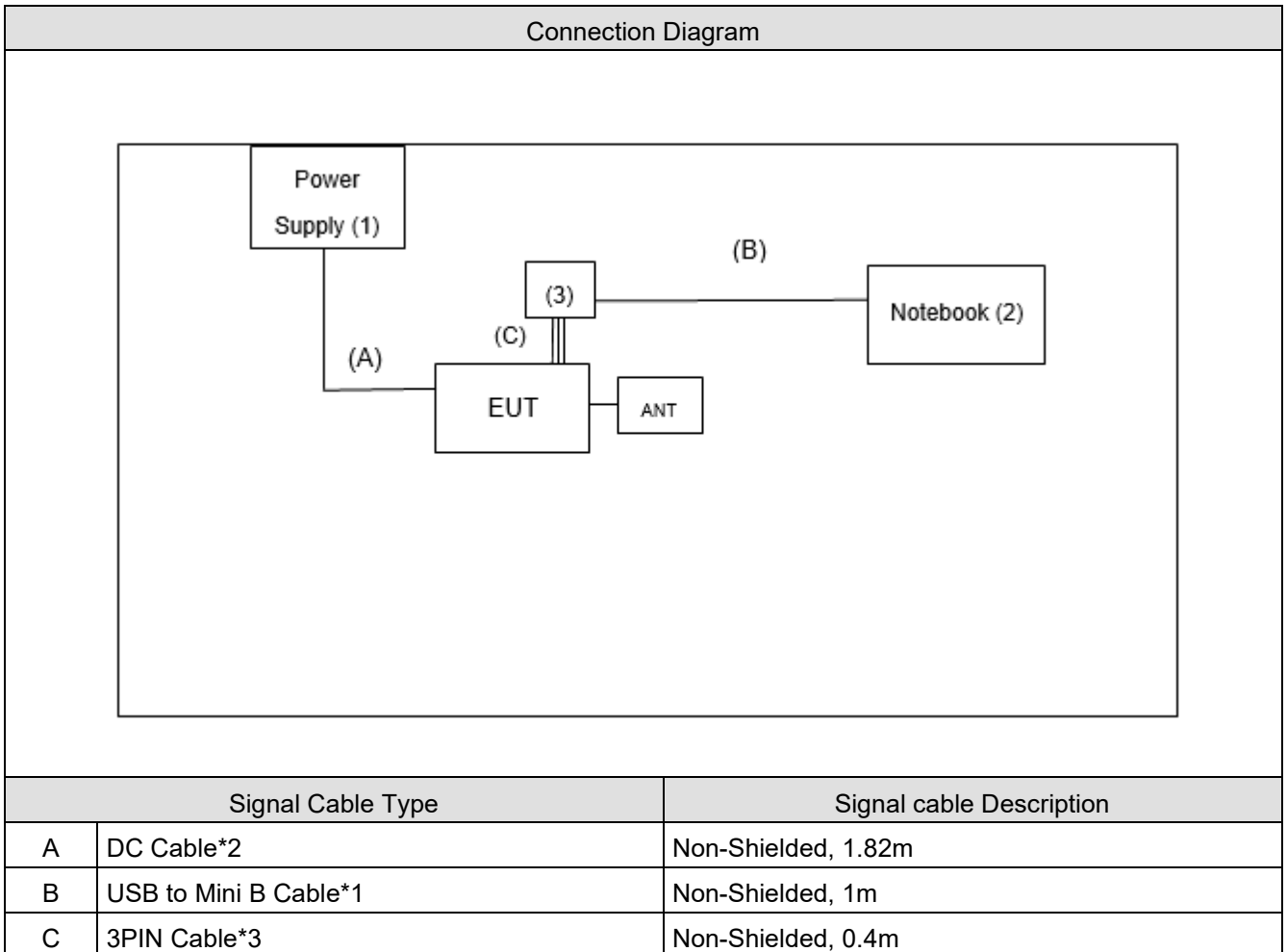
Tests Item	Transmitter Radiated Spurious Emissio
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.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

Note: Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.5. Tested System Details

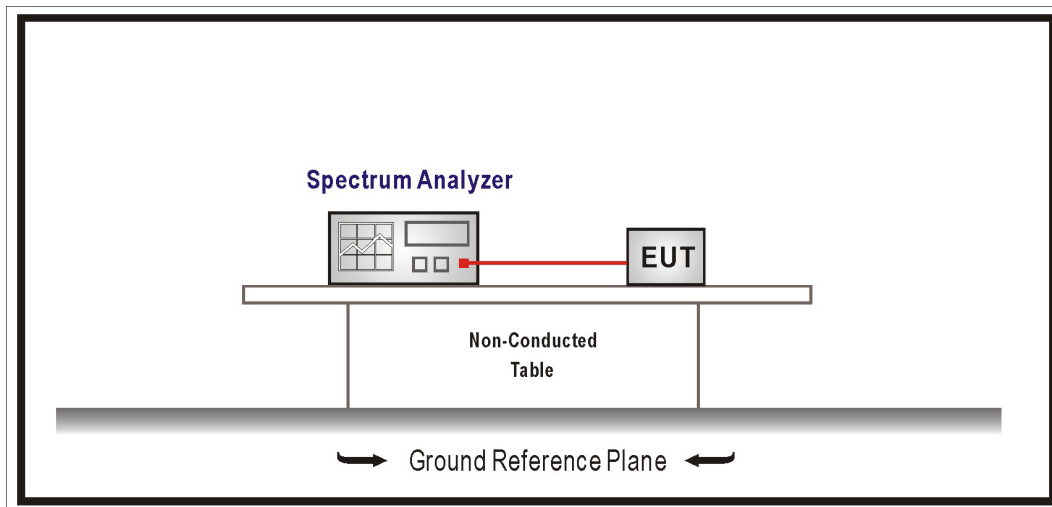
No.	Equipment	Brand Name	Model No.	Serial No.
1	Power Supply	Topward	6303D	809497
2	Notebook	Lenovo	Lenovo Ideapad 110 15IBR	PF01EUZD
3	USB to TTL FT232RL +3PIN Cable	N/A	N/A	N/A

2.6. Configuration of Tested System



3. Occupied Bandwidth & DTS Bandwidth

3.1. Test Setup



3.2. Test Limit

The 6 dB bandwidth: ≥ 500 kHz.

Occupied Bandwidth: N/A

3.3. Test Procedures

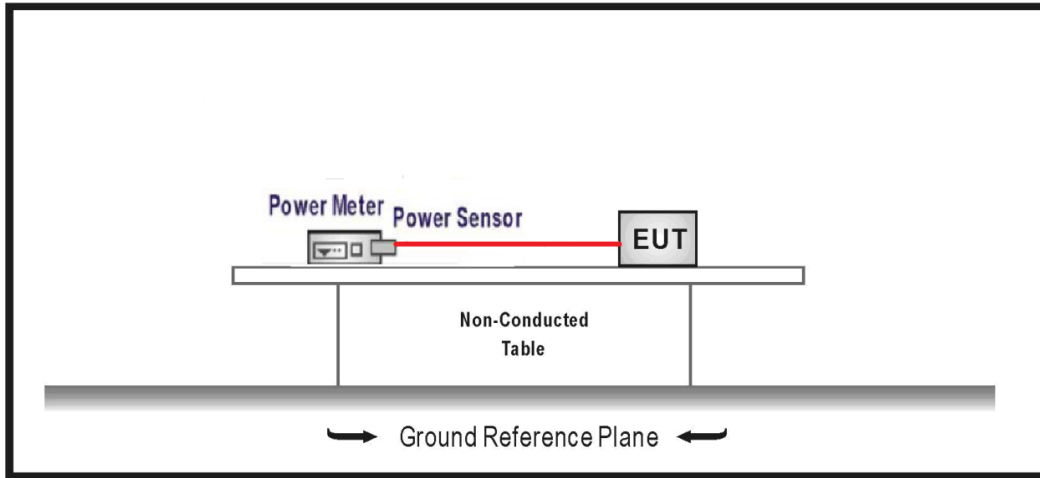
The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074.

3.4. Test Result of Occupied Bandwidth & DTS Bandwidth

Refer as Appendix A

4. Maximum Conducted Output Power

4.1. Test Setup



4.2. Test Limit

The Maximum Conducted Output Power shall be less 1 Watt.

4.3. Test Procedures

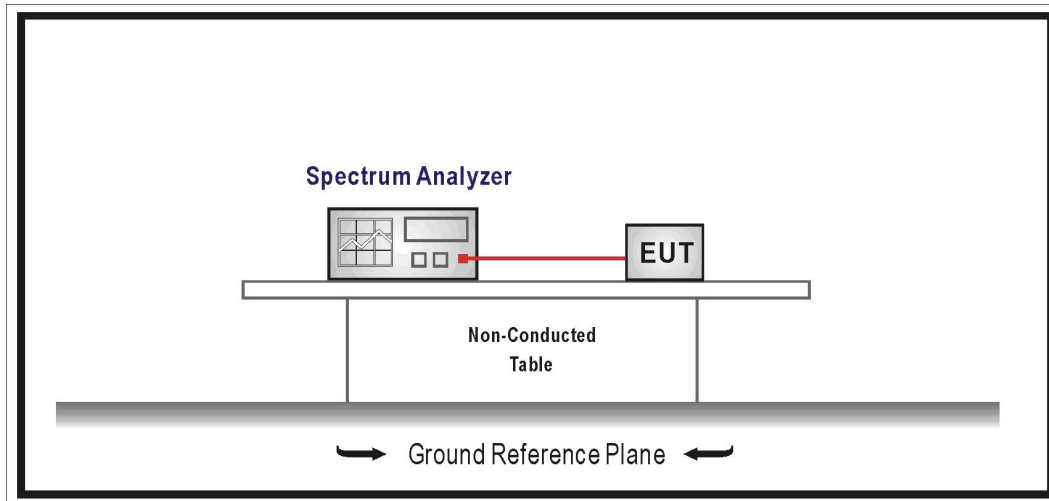
The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074.

4.4. Test Result of Maximum Conducted Output Power

Refer as Appendix B

5. Maximum Power Spectral Density

5.1. Test Setup



5.2. 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.

5.3. Test Procedures

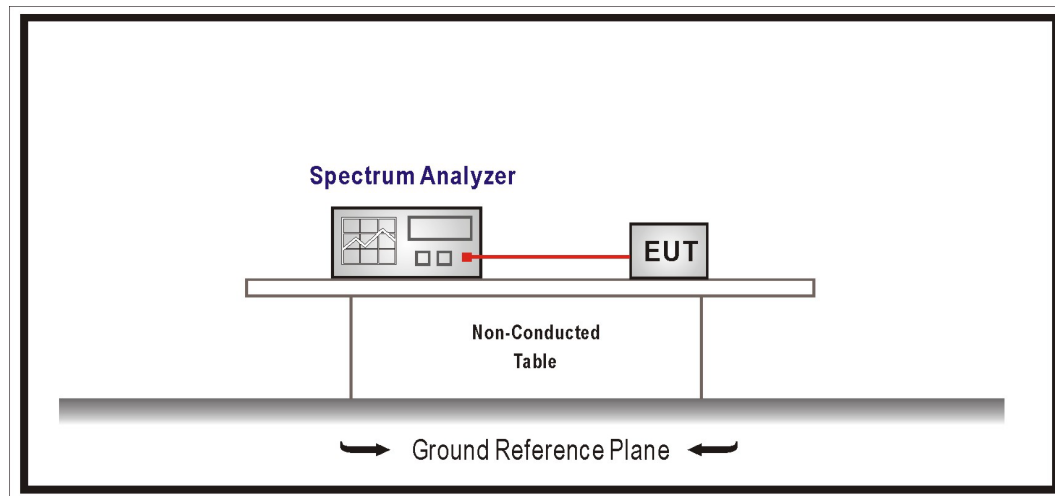
The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074.

5.4. Test Result of Maximum Power Spectral Density

Refer as Appendix C

6. Antenna Port Conducted Emission

6.1. Test Setup



6.2. Test Limit

RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30

Remarks:

1. 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.
2. 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.

6.3. Test Procedure

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

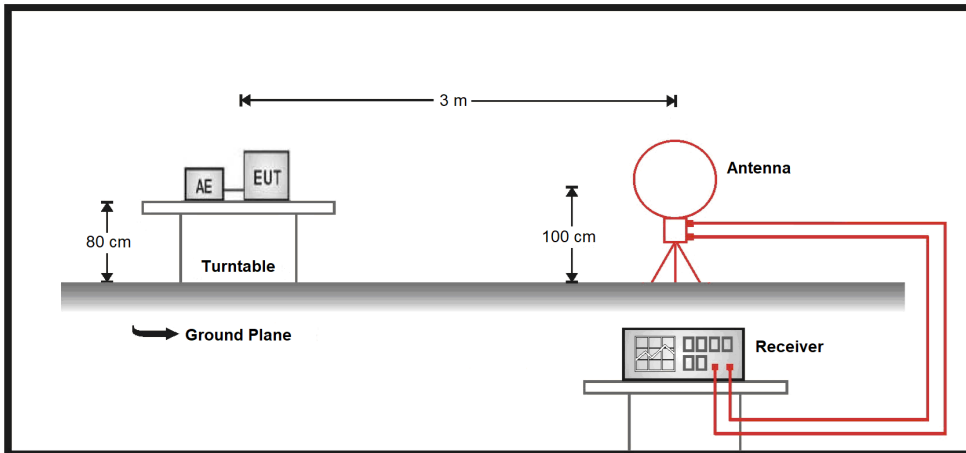
6.4. Test Result of Antenna Port Conducted Emission

Refer as Appendix D

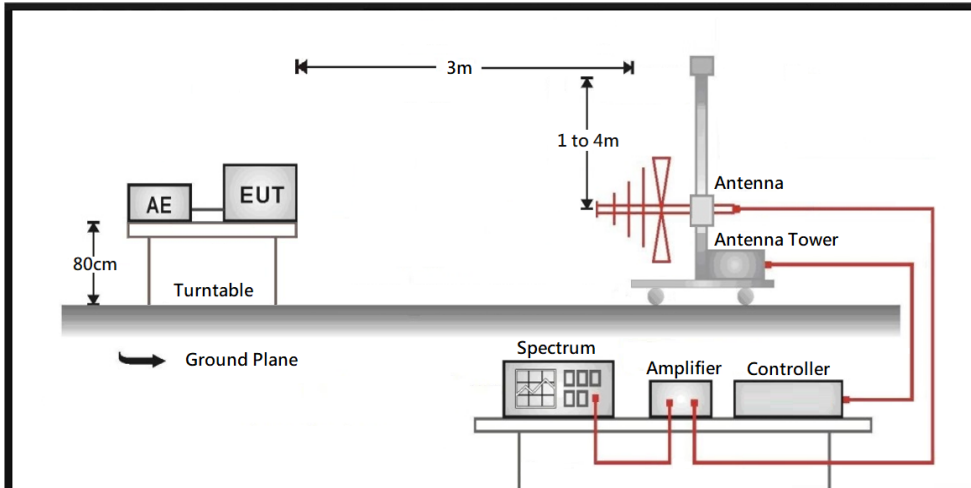
7. Transmitter Radiated Spurious Emission

7.1. Test Setup

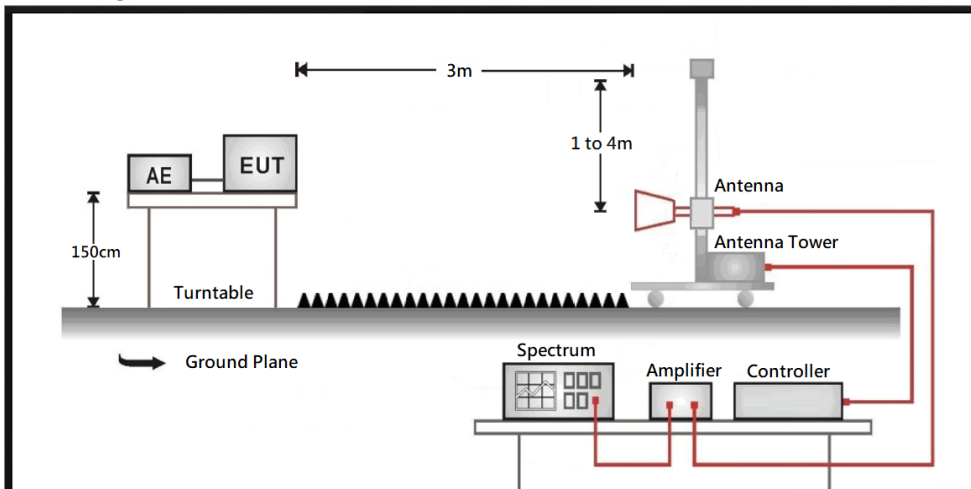
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



7.2. 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.

7.3. 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.

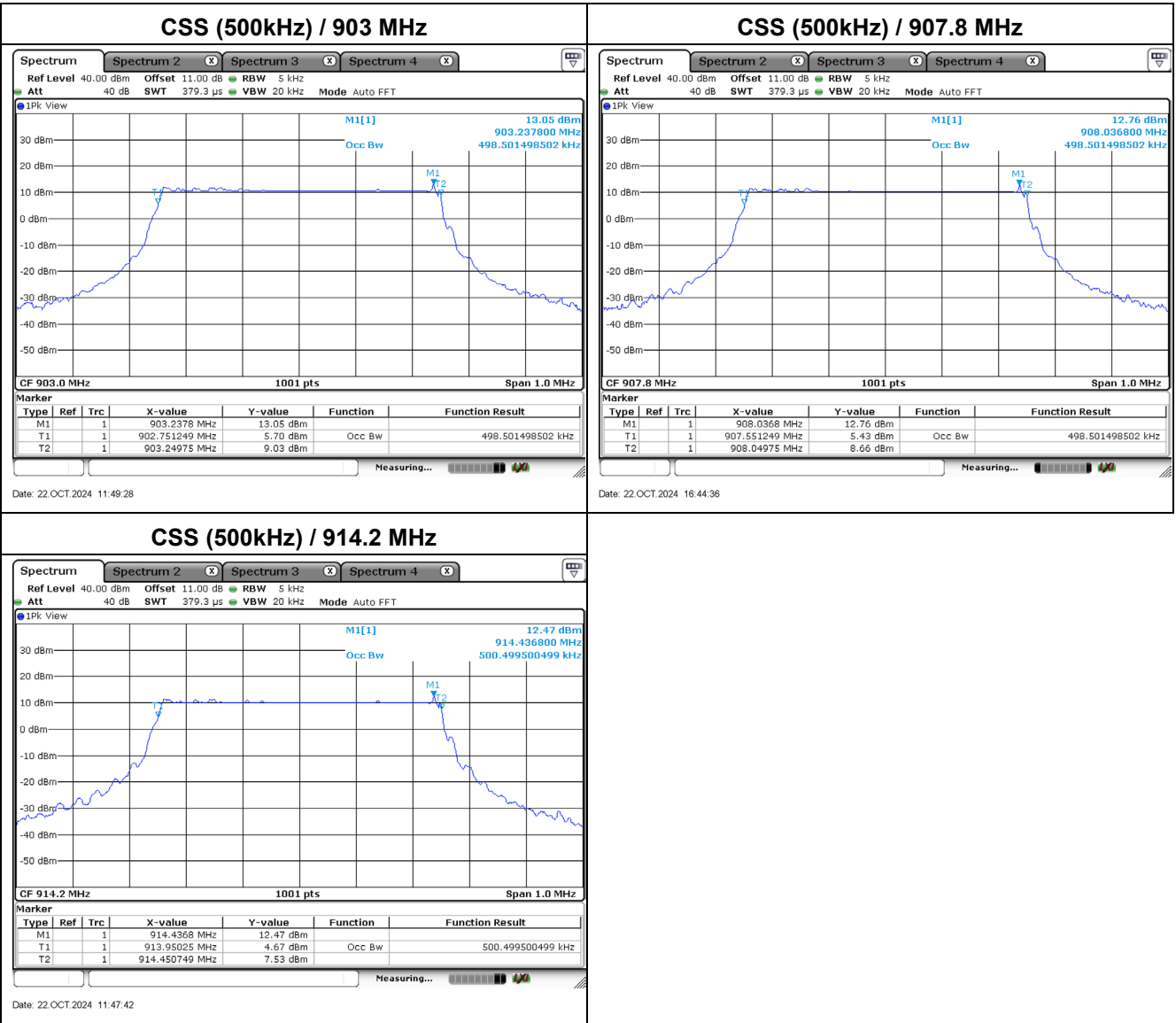
The bandwidth below 1 GHz setting on the field strength meter is 120 kHz and above 1 GHz is 1 MHz.

7.4. Test Result of Transmitter Radiated Spurious Emission

Refer as Appendix E

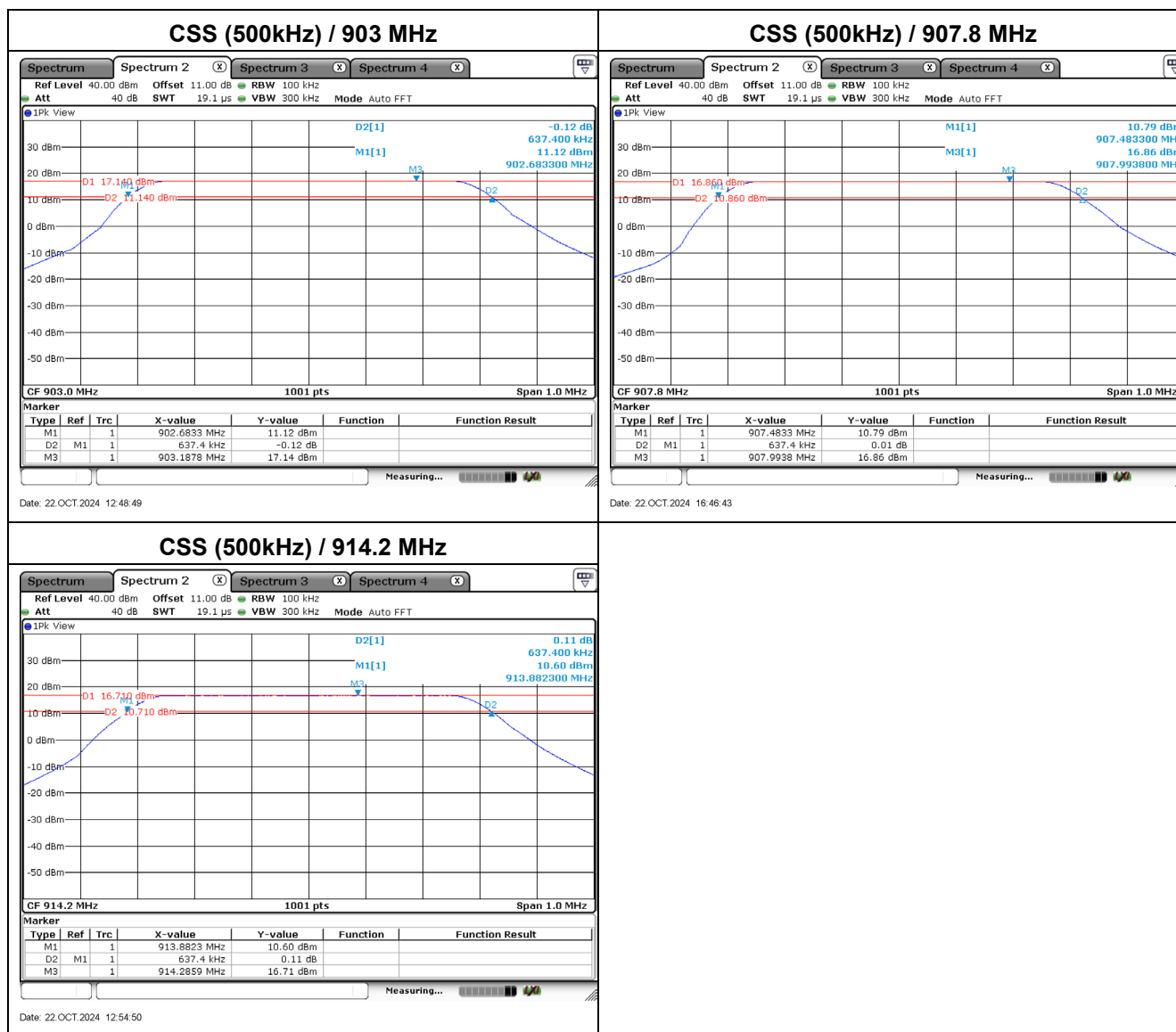
Appendix A.1 Test Result of Occupied Bandwidth

Modulation	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
CSS (500kHz)	903	0.498	-
	907.8	0.498	-
	914.2	0.500	-



Appendix A.2 Test Result of DTS Bandwidth

Modulation	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
CSS (500kHz)	903	0.637	0.50	Pass
	907.8	0.637	0.50	Pass
	914.2	0.637	0.50	Pass

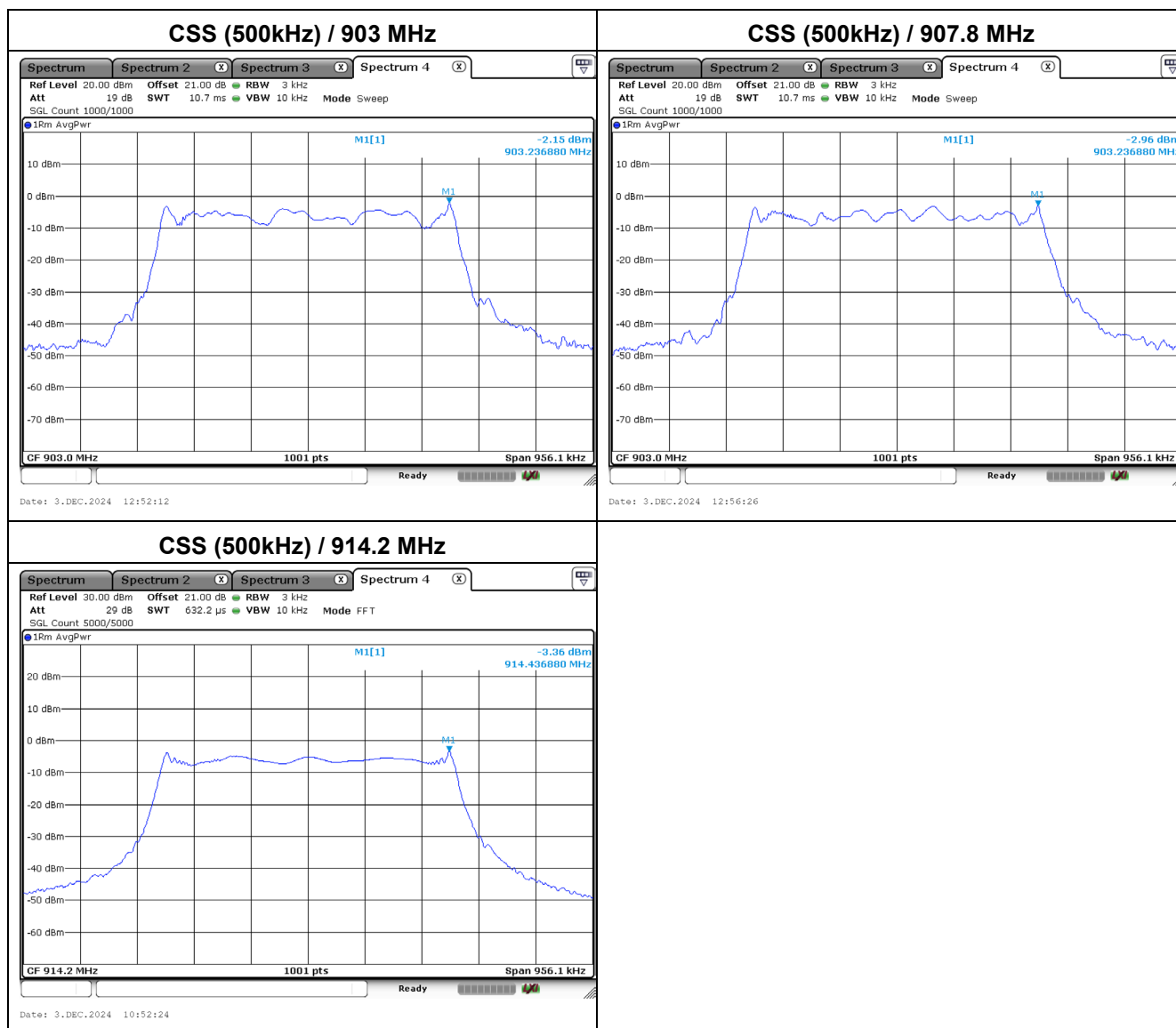


Appendix C. Test Result of Maximum Conducted Output Power

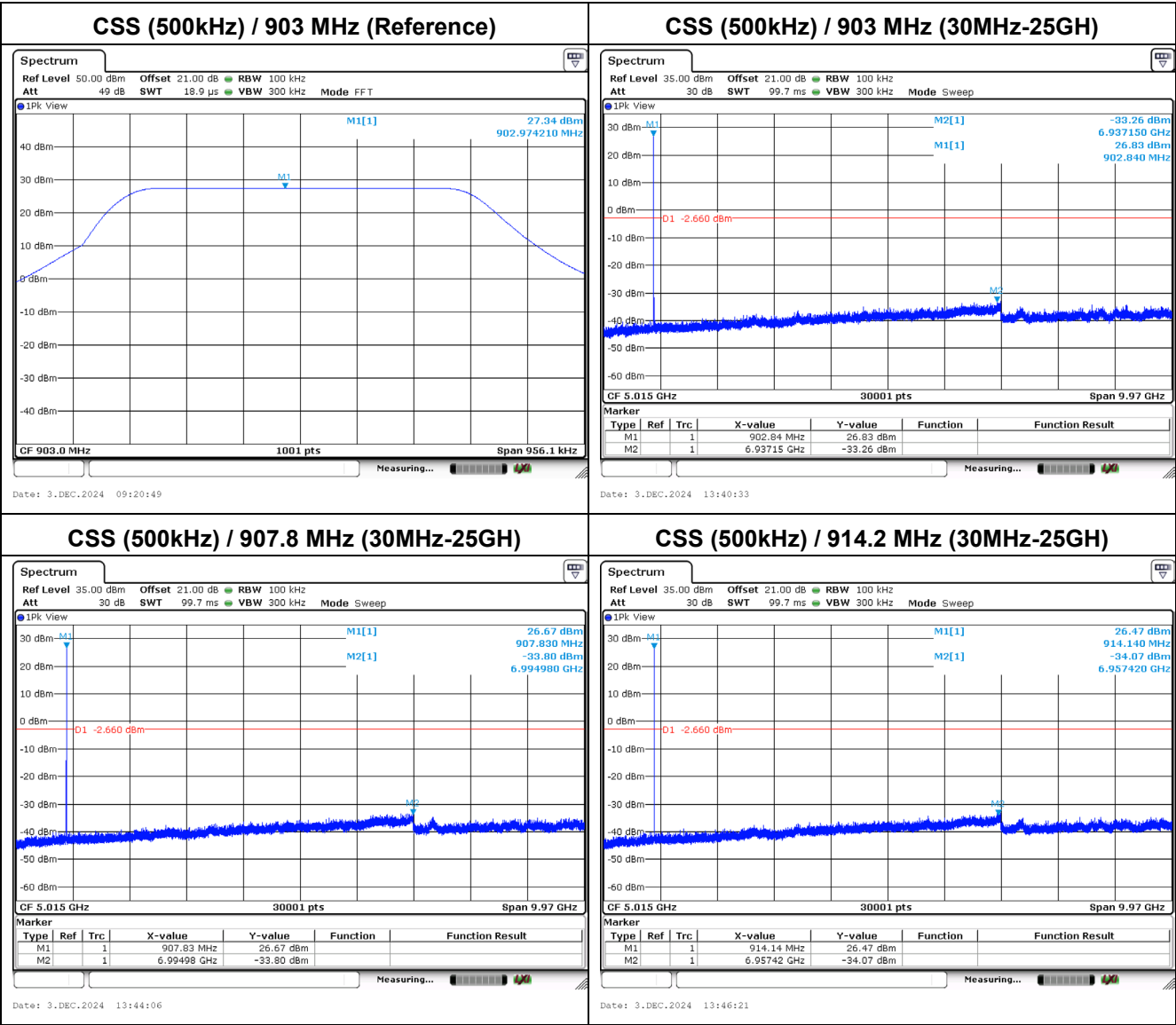
Modulation	Frequency (MHz)	Maximum Conducted Peak Output Power (dBm)	Limit (dBm)	Result
CSS (500kHz)	903	27.24	30.00	Pass
	907.8	27.15	30.00	Pass
	914.2	27.01	30.00	Pass

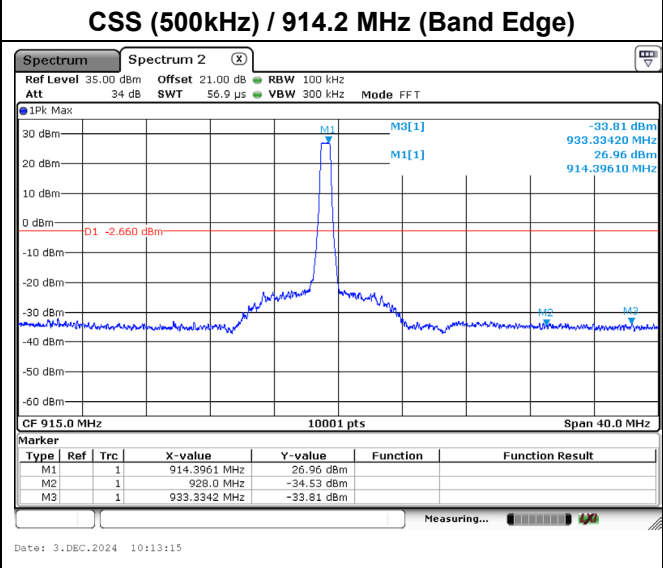
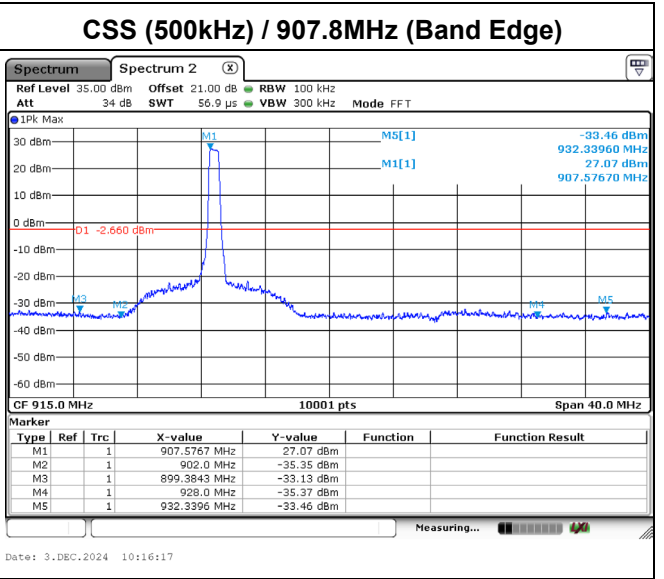
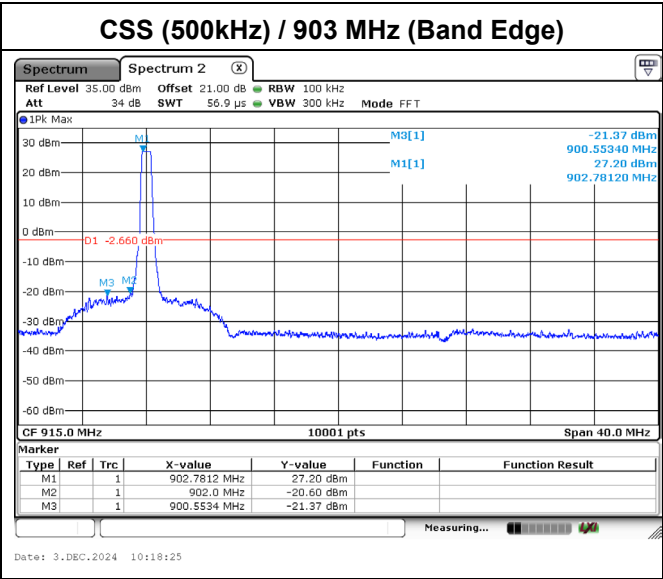
Appendix D. Test Result of Maximum Power Spectral Density

Modulation	Frequency (MHz)	Measure Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
CSS (500kHz)	903	7.85	8.00	Pass
	907.8	7.52	8.00	Pass
	914.2	7.45	8.00	Pass



Appendix E. Test Result of Antenna Port Conducted Emission

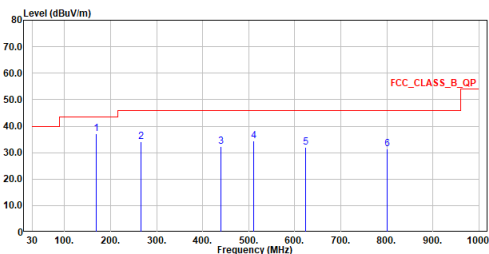




Appendix F. Test Result of Transmitter Radiated Spurious Emission

30 MHz ~ 1 GHz

Site :HC-CB02
Condition :3m Horizontal
Mode :LF_LoRa_500k_TX_907.8MHz
Test by :Scott Chang

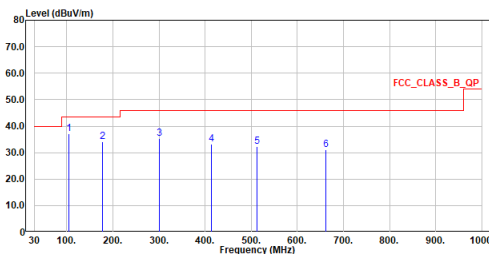


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	168.031	36.99	43.50	-6.51	39.96	-2.97	QP
2	266.486	34.19	46.00	-11.81	37.20	-3.01	QP
3	439.243	32.43	46.00	-13.57	30.60	1.83	QP
4	510.538	34.56	46.00	-11.44	31.36	3.20	QP
5	624.125	32.14	46.00	-13.86	26.40	5.74	QP
6	799.986	31.40	46.00	-14.60	22.88	8.52	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_LoRa_500k_TX_907.8MHz
Test by :Scott Chang



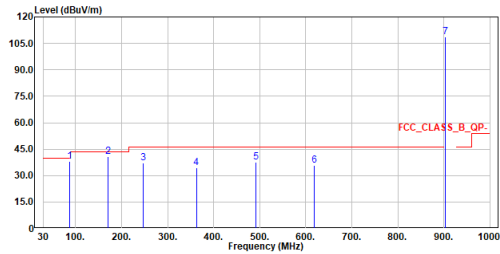
No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	104.787	37.23	43.50	-6.27	43.56	-6.33	QP
2	177.731	34.25	43.50	-9.25	38.11	-3.86	QP
3	299.951	35.43	46.00	-10.57	37.49	-2.06	QP
4	413.441	33.21	46.00	-12.79	32.31	0.90	QP
5	512.866	32.40	46.00	-13.60	29.14	3.26	QP
6	661.858	31.09	46.00	-14.91	24.64	6.45	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 :LF_LoRa_500k_TX_903MHz
Test by :Scott Chang

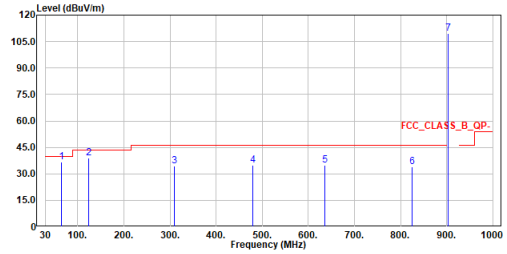


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	87.036	37.92	40.00	-2.08	46.29	-8.37	QP
2	169.680	40.62	43.50	-2.88	43.72	-3.10	QP
3	246.601	37.34	46.00	-8.66	41.08	-3.74	QP
4	362.225	34.40	46.00	-11.60	35.14	-0.74	QP
5	491.914	37.40	46.00	-8.60	34.57	2.83	QP
6	618.887	35.99	46.00	-10.01	30.18	5.81	QP
7	902.903	108.67	-----	-----	98.94	9.73	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_LoRa_500k_TX_903MHz
Test by :Scott Chang

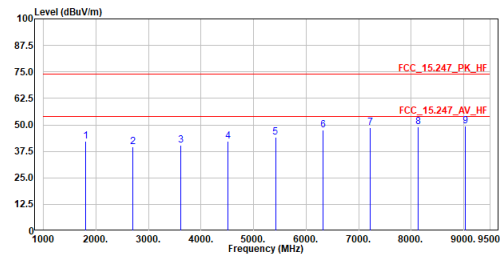


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	64.047	36.63	40.00	-3.37	39.77	-3.14	QP
2	122.926	38.84	43.50	-4.66	43.82	-4.98	QP
3	308.778	34.22	46.00	-11.78	36.00	-1.78	QP
4	479.983	34.93	46.00	-11.07	32.34	2.59	QP
5	635.862	34.98	46.00	-11.02	29.10	5.88	QP
6	824.721	33.85	46.00	-12.15	24.96	8.89	QP
7	902.903	109.56	-----	-----	99.83	9.73	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 Horizontal
Mode :LoRa_500k_TX_903MHz
Test by :Scott Chang

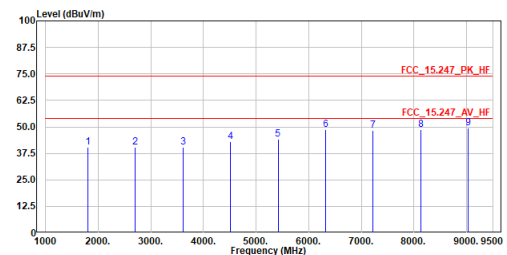


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	1806.000	42.13	74.00	-31.87	67.86	-25.73	Peak
2	2709.000	39.46	74.00	-34.54	61.95	-22.49	Peak
3	3612.000	40.26	74.00	-33.74	59.72	-19.46	Peak
4	4515.000	42.44	74.00	-31.56	58.34	-15.90	Peak
5	5418.000	44.33	74.00	-29.67	58.22	-13.89	Peak
6	6321.000	47.46	74.00	-26.54	57.84	-10.38	Peak
7	7224.000	48.56	74.00	-25.44	56.53	-7.97	Peak
8	8127.000	48.99	74.00	-25.01	56.05	-7.06	Peak
9	9030.000	49.35	74.00	-24.65	54.50	-5.15	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 :LoRa_500k_TX_903MHz
Test by :Scott Chang

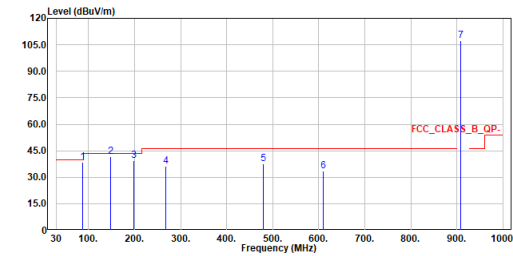


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	1806.000	40.34	74.00	-33.66	66.07	-25.73	Peak
2	2709.000	40.45	74.00	-33.55	62.94	-22.49	Peak
3	3612.000	40.24	74.00	-33.76	59.70	-19.46	Peak
4	4515.000	43.13	74.00	-30.87	59.03	-15.90	Peak
5	5418.000	44.26	74.00	-29.74	58.15	-13.89	Peak
6	6321.000	48.56	74.00	-25.44	58.94	-10.38	Peak
7	7224.000	48.22	74.00	-25.78	56.19	-7.97	Peak
8	8127.000	48.76	74.00	-25.24	55.82	-7.06	Peak
9	9030.000	49.52	74.00	-24.48	54.67	-5.15	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 :LF_LoRa_500k_TX_907.8MHz
Test by :Scott Chang

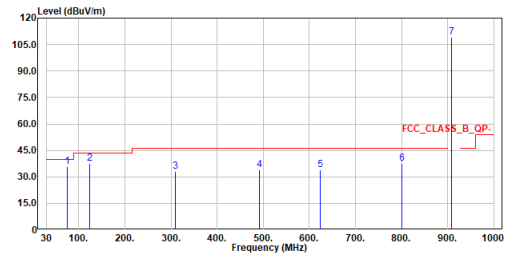


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	86.260	38.59	40.00	-1.41	46.91	-8.32	QP
2	148.146	41.59	43.50	-1.91	44.39	-2.80	QP
3	197.810	39.44	43.50	-4.06	45.38	-5.94	QP
4	268.038	36.16	46.00	-9.84	39.11	-2.95	QP
5	479.983	37.42	46.00	-8.58	34.83	2.59	QP
6	610.157	33.31	46.00	-12.69	27.53	5.78	QP
7	907.753	107.47	-----	-----	97.64	9.83	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_LoRa_500k_TX_907.8MHz
Test by :Scott Chang

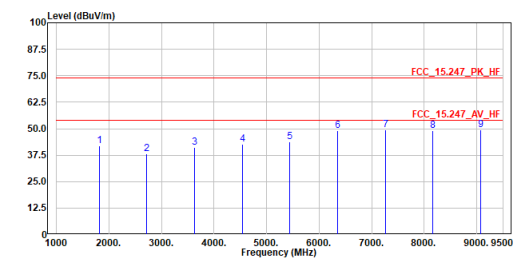


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	75.590	35.89	40.00	-4.11	41.65	-5.76	QP
2	123.023	37.73	43.50	-5.77	42.70	-4.97	QP
3	309.748	33.18	46.00	-12.82	34.92	-1.74	QP
4	491.914	33.91	46.00	-12.09	31.08	2.83	QP
5	623.640	33.81	46.00	-12.19	28.06	5.75	QP
6	799.986	37.75	46.00	-8.25	29.23	8.52	QP
7	907.947	109.24	-----	-----	99.41	9.83	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 Horizontal
Mode :LoRa_500k_TX_907.8MHz
Test by :Scott Chang

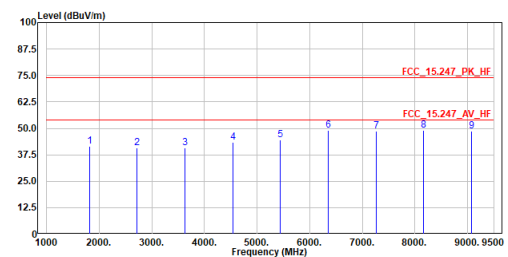


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	1815.600	41.86	74.00	-32.14	67.55	-25.69	Peak
2	2723.400	38.25	74.00	-35.75	60.70	-22.45	Peak
3	3631.200	41.12	74.00	-32.88	60.50	-19.38	Peak
4	4539.000	42.50	74.00	-31.50	58.31	-15.81	Peak
5	5446.800	43.82	74.00	-30.18	57.70	-13.88	Peak
6	6354.600	49.13	74.00	-24.87	59.31	-10.18	Peak
7	7262.400	49.29	74.00	-24.71	57.22	-7.93	Peak
8	8170.200	49.22	74.00	-24.78	56.19	-6.97	Peak
9	9078.000	49.50	74.00	-24.50	54.61	-5.11	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-CB02
Condition :3m Vertical
Mode :LoRa_500k_TX_907.8MHz
Test by :Scott Chang

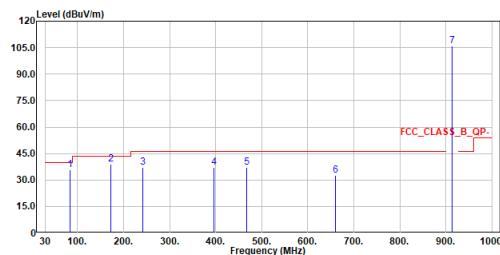


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	1815.600	41.60	74.00	-32.40	67.29	-25.69	Peak
2	2723.400	40.66	74.00	-33.34	63.11	-22.45	Peak
3	3631.200	40.60	74.00	-33.40	59.98	-19.38	Peak
4	4539.000	43.37	74.00	-30.63	59.18	-15.81	Peak
5	5446.800	44.61	74.00	-29.39	58.49	-13.88	Peak
6	6354.600	49.00	74.00	-25.00	59.18	-10.18	Peak
7	7262.400	48.78	74.00	-25.22	56.71	-7.93	Peak
8	8170.200	49.20	74.00	-24.80	56.17	-6.97	Peak
9	9078.000	48.69	74.00	-25.31	53.80	-5.11	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-CB02
Condition :3m Horizontal
Mode :LF_LoRa_500k_TX_914.2MHz
Test by :Scott Chang

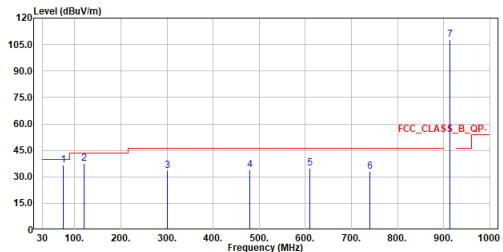


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	83.932	35.97	40.00	-4.03	43.83	-7.86	QP
2	172.590	39.09	43.50	-4.41	42.32	-3.23	QP
3	240.781	37.36	46.00	-8.64	41.37	-4.01	QP
4	396.078	36.99	46.00	-9.01	36.39	0.60	QP
5	468.052	36.93	46.00	-9.07	34.48	2.45	QP
6	659.724	32.68	46.00	-13.32	26.25	6.43	QP
7	914.155	105.77	-----	-----	95.84	9.93	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_LoRa_500k_TX_914.2MHz
Test by :Scott Chang

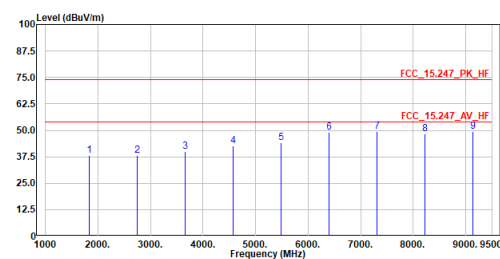


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	75.687	36.54	40.00	-3.46	42.32	-5.78	QP
2	120.016	37.77	43.50	-5.73	42.94	-5.17	QP
3	299.951	33.29	46.00	-12.71	35.35	-2.06	QP
4	480.080	33.83	46.00	-12.17	31.24	2.59	QP
5	609.963	34.94	46.00	-11.06	29.16	5.78	QP
6	739.070	32.90	46.00	-13.10	25.13	7.77	QP
7	914.155	107.56	-----	-----	97.63	9.93	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 Horizontal
Mode :LoRa_500k_TX_914.2MHz
Test by :Scott Chang

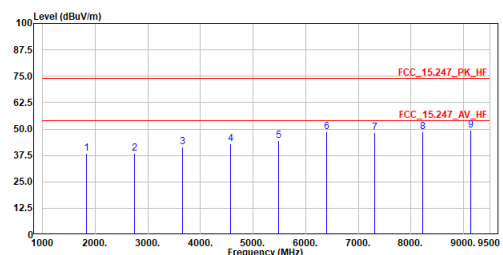


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	1828.400	38.12	74.00	-35.88	63.76	-25.64	Peak
2	2742.600	37.97	74.00	-36.03	60.34	-22.37	Peak
3	3656.800	40.06	74.00	-33.94	59.31	-19.25	Peak
4	4571.000	42.00	74.00	-31.40	58.27	-15.67	Peak
5	5485.200	44.01	74.00	-29.99	57.88	-13.87	Peak
6	6399.400	48.96	74.00	-25.04	58.87	-9.91	Peak
7	7313.600	49.25	74.00	-24.75	57.12	-7.87	Peak
8	8227.800	48.25	74.00	-25.75	55.07	-6.82	Peak
9	9142.000	49.48	74.00	-24.52	54.53	-5.05	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 :LoRa_500k_TX_914.2MHz
Test by :Scott Chang



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	1828.400	38.34	74.00	-35.66	63.98	-25.64	Peak
2	2742.600	38.60	74.00	-35.40	60.97	-22.37	Peak
3	3656.800	41.45	74.00	-32.55	60.70	-19.25	Peak
4	4571.000	43.13	74.00	-30.87	58.80	-15.67	Peak
5	5485.200	44.37	74.00	-29.63	58.24	-13.87	Peak
6	6399.400	48.83	74.00	-25.17	58.74	-9.91	Peak
7	7313.600	48.19	74.00	-25.81	56.06	-7.87	Peak
8	8227.800	48.67	74.00	-25.33	55.49	-6.82	Peak
9	9142.000	49.30	74.00	-24.70	54.35	-5.05	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.