RADIO PERFORMANCE TEST REPORT

Test Report No.	**: OT-208-RWD-032**
Reception No.	**: 2008003136**
Applicant	**: BBB Inc.**
Address	**: 7F, 22, Teheran-ro 81-gil, Gangnam-gu, Seoul, Republic of Korea**
Manufacturer	**: BBB Inc.**
Address	**: 7F, 22, Teheran-ro 81-gil, Gangnam-gu, Seoul, Republic of Korea**
Type of Equipment	**: Immnuoassay Analyzer**
FCC ID.	**: 2AKGP-MB101**
Model Name	**: MB-100**
Multiple Model Name	**: N/A**
Serial number	**: N/A**
Total page of Report	**: 33 pages (including this page)**
Date of Incoming	**: August 13, 2020**
Date of issue	**: August 28, 2020**

SUMMARY

The equipment complies with the regulation; ***FCC PART 15 SUBPART C Section 15.247***

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.

Tested by	Reviewed by	Approved by
/Youngyong Kim/ Assistant Manager	/ Ha-Ram Lee / Manager	/ Ki-Hong, Nam / General Manager
ONETECH Corp.	ONETECH Corp.	ONETECH Corp.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

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Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-208-RWD-032	August 28, 2020	Initial Issue	All

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1. VERIFICATION OF COMPLIANCE

Applicant : BBB Inc.
Address : 7F, 22, Teheran-ro 81-gil, Gangnam-gu, Seoul, Republic of Korea
Contact Person : Jaekyu Choi / CEO
Telephone No. : +82-2-565-9653
FCC ID : 2AKGP-MB101
Model Name : MB-100
Brand Name : MARK-B™ 1 analyzer
Serial Number : N/A

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
KIND OF EQUIPMENT	Immnuoassay Analyzer
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	ANSI C63.10: 2013
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
EQUIPMENT WILL BE OPERATED UNDER FCC RULES PART(S)	FCC PART 15 SUBPART C Section 15.247
Modifications on the Equipment to Achieve Compliance	None
Final Test was Conducted On	3 m, Semi Anechoic Chamber

-. The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

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2. TEST SUMMARY

2.1 Test items and results

SECTION	TEST ITEMS	RESULTS
15.247 (a) (2)	Minimum 6 dB Bandwidth	Met the Limit / PASS
15.247 (b) (3)	Maximum Peak Conducted Output Power	Met the Limit / PASS
15.247 (d)	100 kHz Bandwidth Outside the Frequency Band	Met the Limit / PASS
15.247 (d)	Radiated Emission which fall in the Restricted Band	Met the Limit / PASS
15.247 (e)	Peak Power Spectral Density	Met the Limit / PASS
15.209	Radiated Emission Limits	Met the Limit / PASS
15.207	Conducted Limits	Met the Limit / PASS
15.203	Antenna Requirement	Met requirement / PASS

2.2 Additions, deviations, exclusions from standards

No additions, deviations or exclusions have been made from standard.

2.3 Related Submittal(s) / Grant(s)

Original submittal only

2.4 Purpose of the test

To determine whether the equipment under test fulfills the requirements of the regulation stated in FCC PART 15 SUBPART C Section 15.247.

2.5 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10: 2013. Radiated testing was performed at a distance of 3 m from EUT to the antenna.

2.6 Test Facility

The Onetech Corp. has been designated to perform equipment testing in compliance with ISO/IEC 17025.

The Electromagnetic compatibility measurement facilities are located at 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea

-. Site Filing:

VCCI (Voluntary Control Council for Interference) – Registration No. R-4112/ C-14617/ G-10666 / T-1842

ISED (Innovation, Science and Economic Development Canada) – Registration No. Site# 3736A-3

-. Site Accreditation:

KOLAS (Korea Laboratory Accreditation Scheme) - Accreditation NO. KT085

FCC (Federal Communications Commission) - Accreditation No. KR0013

RRA (Radio Research Agency) – Designation No. KR0013

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3. GENERAL INFORMATION

3.1 Product Description

The BBB Inc., Model MB-100 (referred to as the EUT in this report) is an Immnuoassay Analyzer. The product specification described herein was obtained from product data sheet or user's manual.

Device Type	Immnuoassay Analyzer	
Operating Frequency	Bluetooth LE	2 402 MHz ~ 2 480 MHz
	WLAN 2.4 GHz Band	2 412 MHz ~ 2 462 MHz (802.11b/g/n(HT20))
		2 422 MHz ~ 2 452 MHz (802.11n(HT40))
RF Output Power	Bluetooth LE	-4.51 dBm
	WLAN 2.4 GHz Band	802.11b (12.82 dBm) 802.11g (12.93 dBm) 802.11n(HT20) (12.36 dBm) 802.11n(HT40) (12.94 dBm)
Number of Channel	Bluetooth LE	40 Channels
	WLAN 2.4 GHz Band	11 Channels
Modulation Type	Bluetooth LE	DSSS Modulation(GFSK)
	WLAN 2.4 GHz Band	DSSS Modulation(DBPSK/DQPSK/CCK) OFDM Modulation(BPSK/QPSK/16QAM/64QAM)
Antenna Type	Bluetooth LE	FPC Antenna
	WLAN 2.4 GHz Band	
Antenna Gain	Bluetooth LE	1.74 dBi
	WLAN 2.4 GHz Band	
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	26 MHz	
Rated Supply Voltage	DC 3.8 V	

Note: Bluetooth and WLAN do not operate simultaneously.

3.2 Alternative type(s)/model(s); also covered by this test report.

-. None

4. EUT MODIFICATIONS

-. None

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5. SYSTEM TEST CONFIGURATION

5.1 Justification

This device was configured for testing in a typical way as a normal customer is supposed to be used. During the test, the following components were installed inside of the EUT.

DEVICE TYPE	MANUFACTURER	MODEL/PART NUMBER	FCC ID
Main Board	N/A	N/A	-
Sub Board	N/A	N/A	-
Module Board	N/A	N/A	-
Display Board	N/A	N/A	-
Main Battery	N/A	N/A	-
Sub Battery	N/A	N/A	-

5.2 Peripheral equipment

-None

5.3 Mode of operation during the test

For the testing, software used to control the EUT for staying in continuous transmitting is programmed.

For final testing, the EUT was set at 2 402 MHz, 2 440 MHz, and 2 480 MHz to get a maximum emission levels from the EUT. The EUT was moved throughout the XY, XZ, and YZ planes and the worst case is “XY” axis, but the worst data was recorded in this report.

5.4 Configuration of Test System

Radiated Emission Test: Preliminary radiated emissions test were conducted using the procedure in ANSI C63.10: 2013 to determine the worse operating conditions. Final radiated emission tests were conducted at 3 meter Semi Anechoic Chamber.

The turntable was rotated through 360 degrees and the EUT was tested by positioned three orthogonal planes to obtain the highest reading on the field strength meter. Once maximum reading was determined, the search antenna was raised and lowered in both vertical and horizontal polarization.

5.5 Antenna Requirement

For intentional device, according to section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

Antenna Construction:

The antenna of the EUT is an FPC Antenna on the main board in the EUT, so no consideration of replacement by the user.

6. PRELIMINARY TEST

6.1 AC Power line Conducted Emissions Tests

During Preliminary Test, the following operating mode was investigated.

Operation Mode	The Worse operating condition (Please check one only)
Charging mode	X

6.2 General Radiated Emissions Tests

During Preliminary Tests, the following operating modes were investigated

Operation Mode	The Worse operating condition (Please check one only)
Transmitting Mode	X

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7. MIMIMUM 6 dB BANDWIDTH

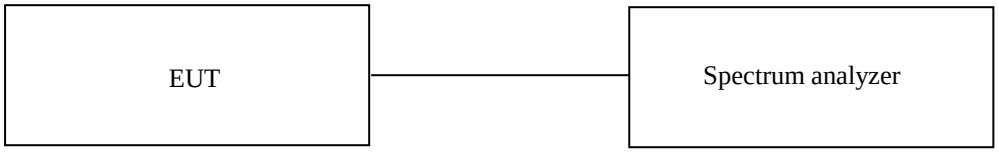
7.1 Operating environment

Temperature : 22 °C

Relative humidity : 50 % R.H.

7.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz, and peak detection was used. The 6 dB bandwidth is defined as the total spectrum over which the power is higher than the peak power minus 6 dB.



7.3 Test date

August 20, 2020 ~ August 21, 2020

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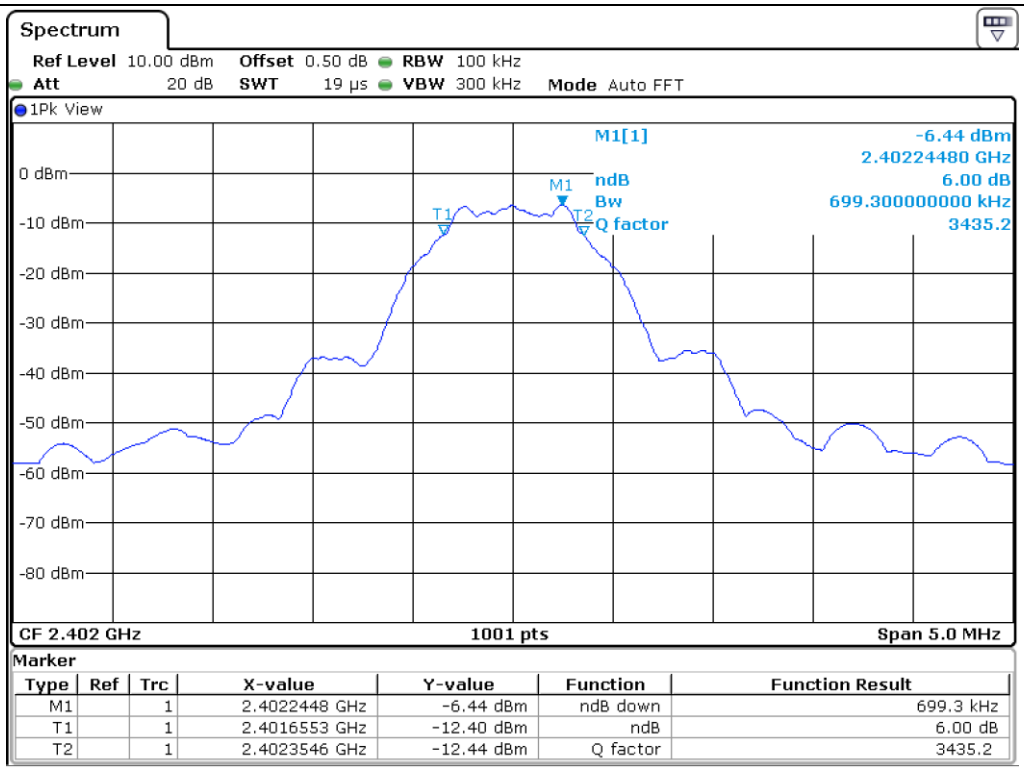
7.4 Test data

-. Test Result : Pass

CHANNEL	FREQUENCY(MHz)	MEASURED VALUE (kHz)	LIMIT (kHz)	MARGIN (kHz)
Low	2 402.00	699.30	500	199.30
Middle	2 440.00	714.30	500	214.30
High	2 480.00	709.30	500	209.30

Remark. Margin = Measured Value - Limit



Low Channel

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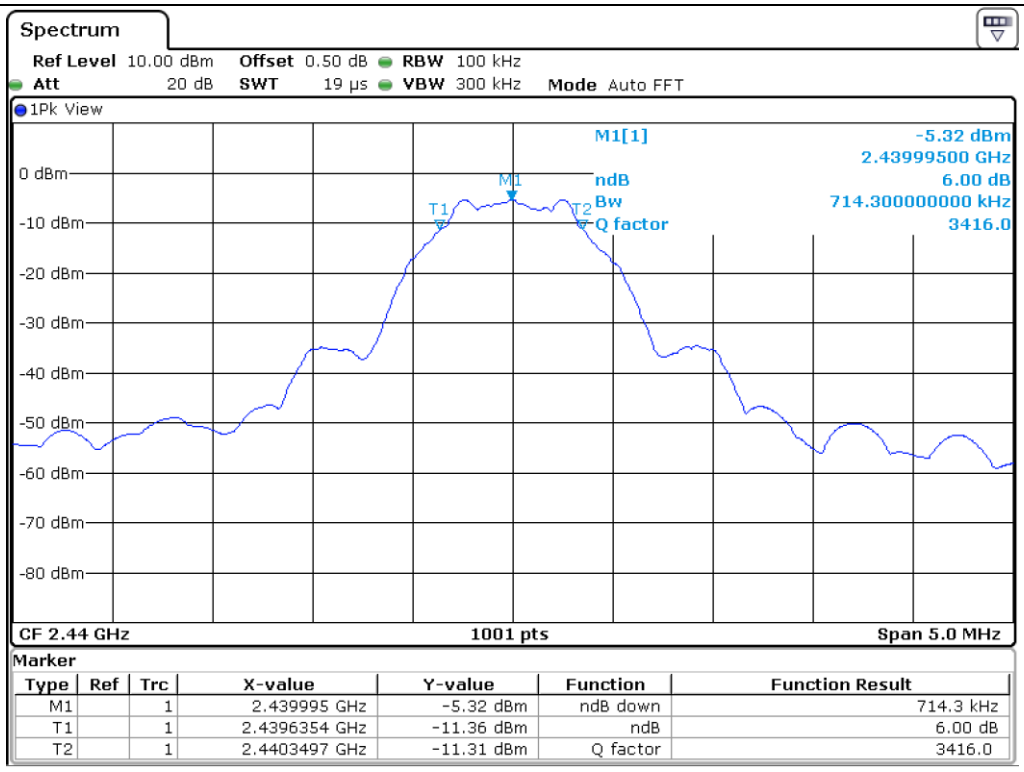
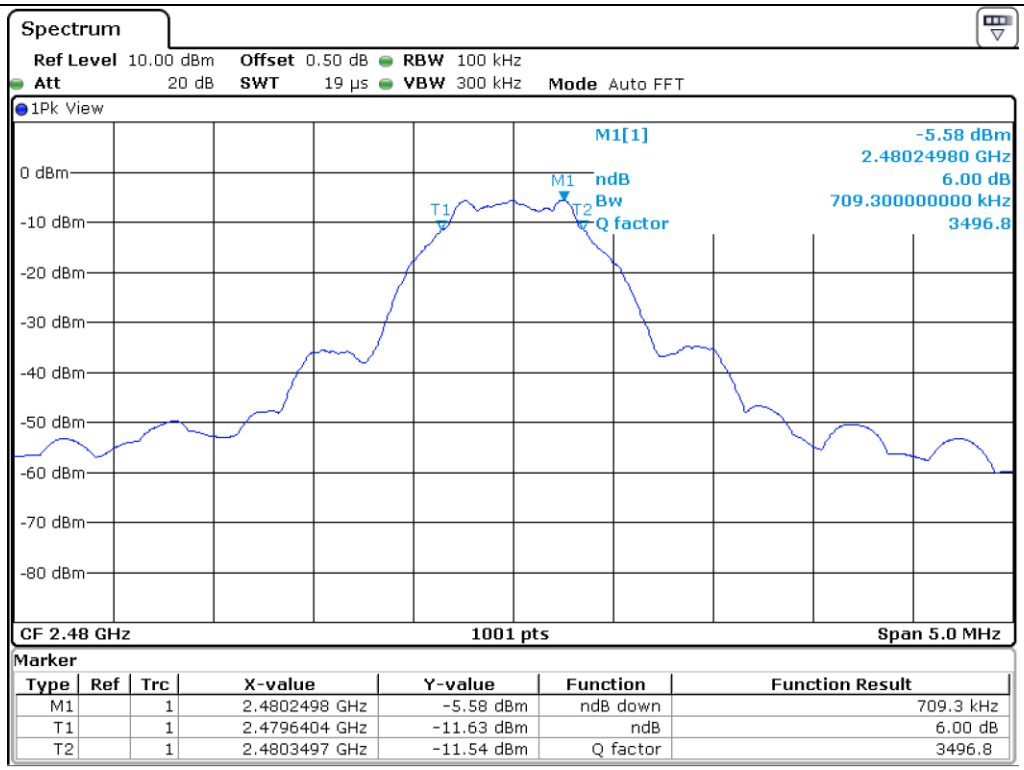


Middle Channel



High Channel

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8. MAXIMUM PEAK OUTPUT POWER

8.1 Operating environment

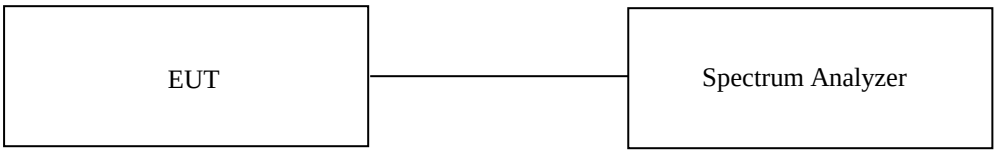
Temperature : 22 °C

Relative humidity : 50 % R.H.

8.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer.

The resolution bandwidth is set to ≥DTS Bandwidth, the video bandwidth is set to 3 times the resolution bandwidth.



8.3 Test date

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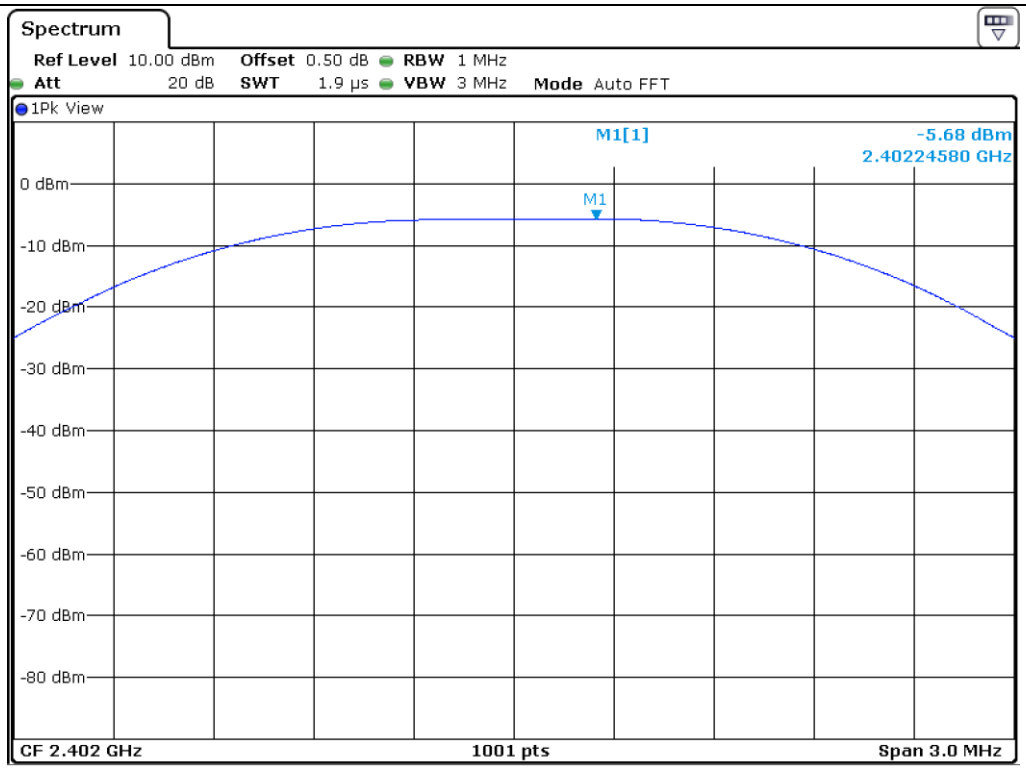
8.4 Test data

-. Test Result : Pass

CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 402.00	-5.68	30.00	35.68
MIDDLE	2 440.00	-4.51	30.00	34.51
HIGH	2 480.00	-4.78	30.00	34.78

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)



Low Channel

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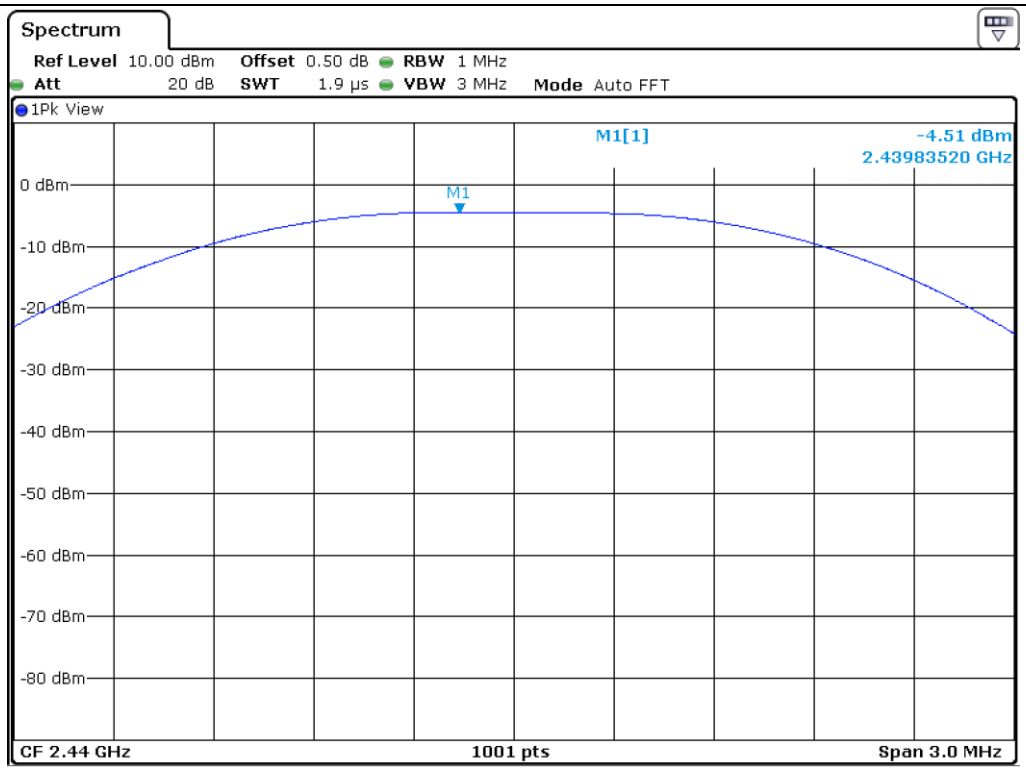
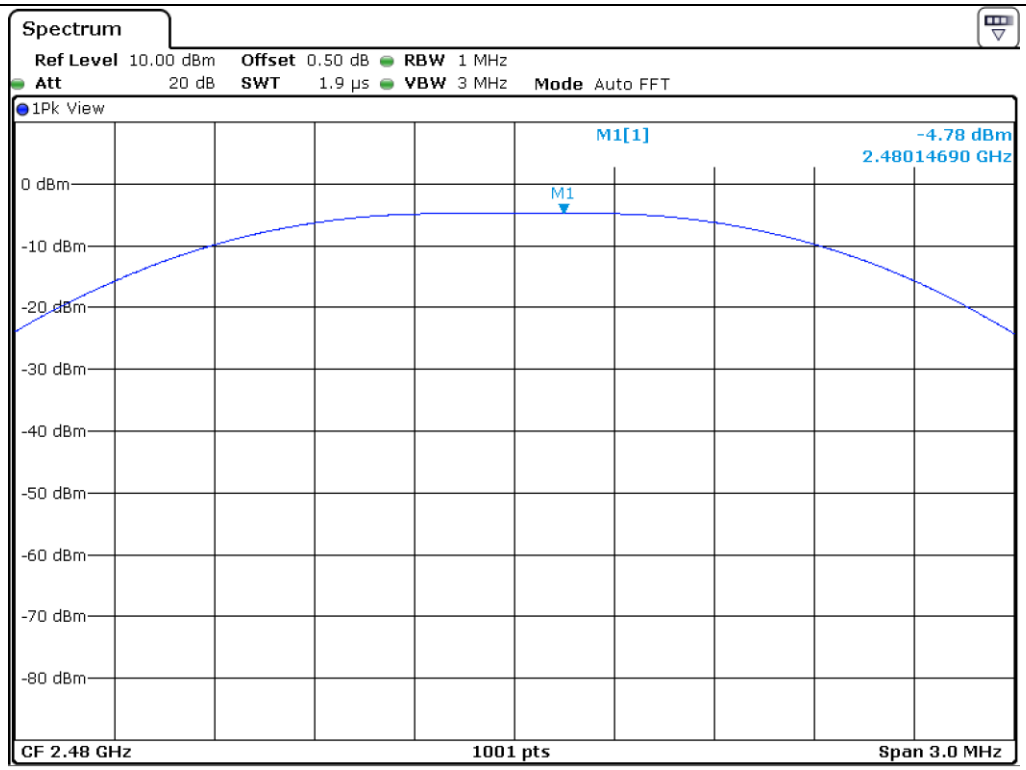


Middle Channel



High Channel

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9. 100 kHz BANDWIDTH OUTSIDE THE FREQUENCY BAND

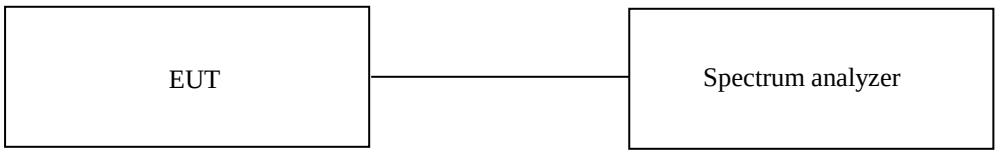
9.1 Operating environment

Temperature : 22 °C

Relative humidity : 50 % R.H.

9.2 Test set-up for conducted measurement

The antenna output of the EUT was connected to the spectrum analyzer. The resolution and video bandwidth is set to 100 kHz, and peak detection was used.



9.3 Test set-up for radiated measurement

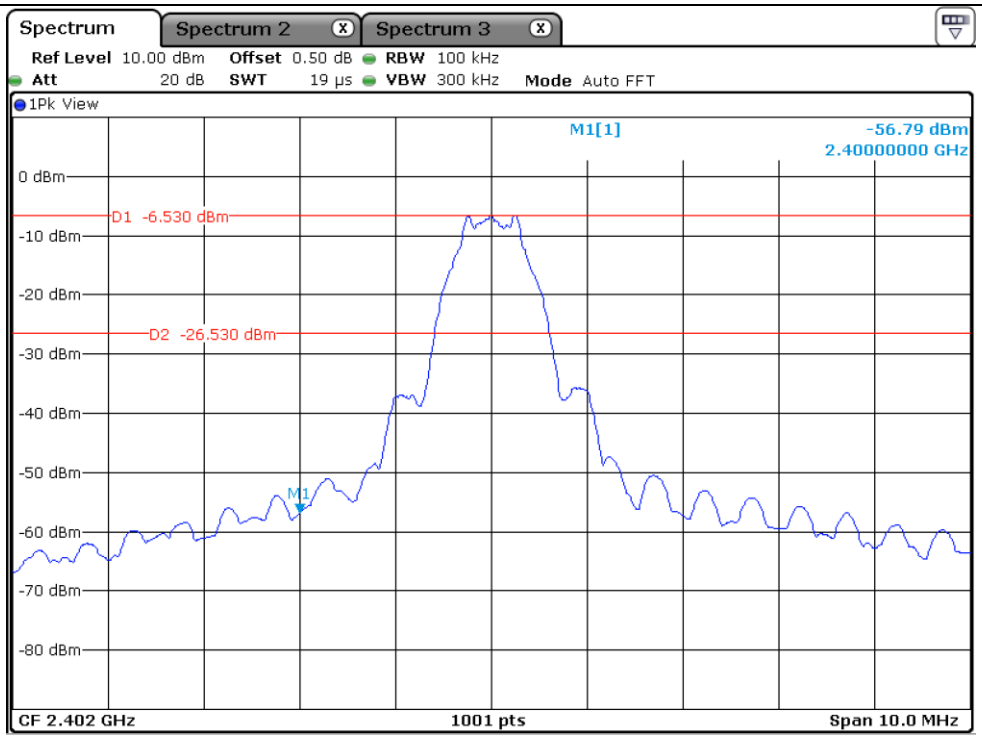
The radiated emissions measurements were performed on the 3 m semi anechoic chamber. The EUT was placed on turntable approximately 1.5 m above the ground plane.

The frequency spectrum from 30 MHz to 26.5 GHz was scanned and maximum emission levels at each frequency recorded. The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.

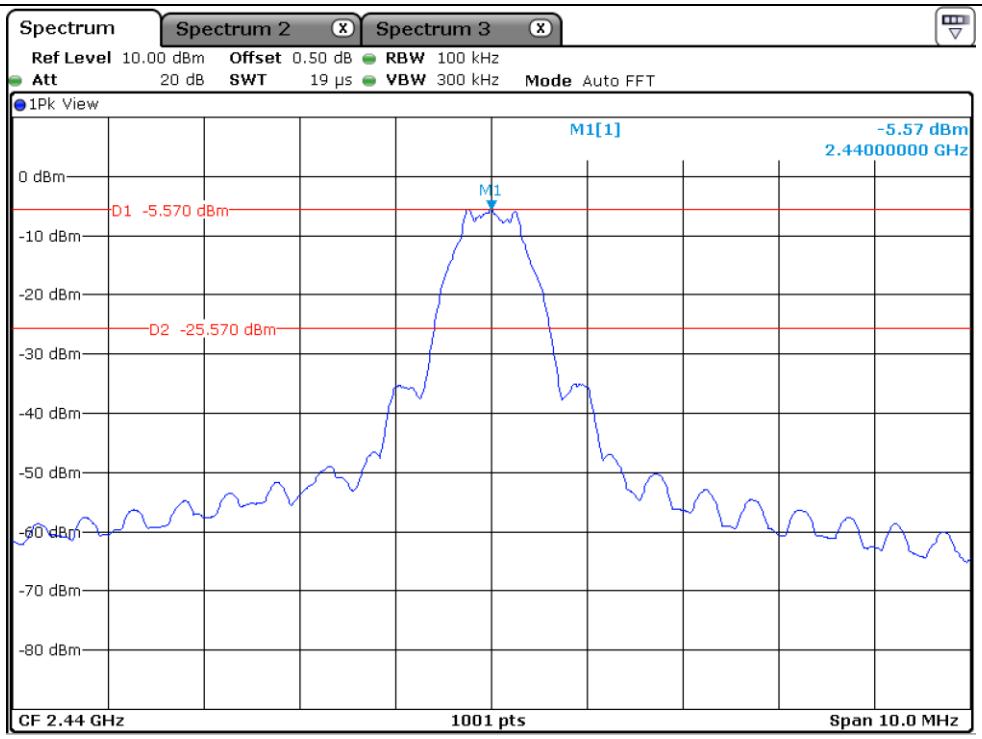
9.4 Test date

August 20, 2020 ~ August 21, 2020

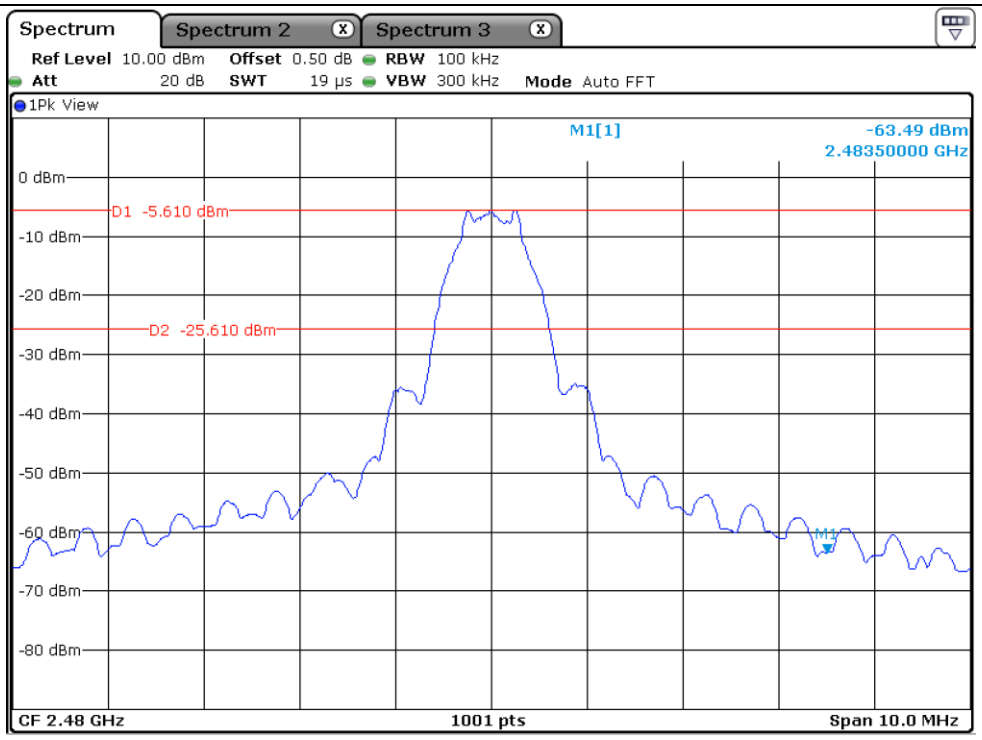
9.5 Test data for conducted emission



Low Channel



Middle Channel



High Channel

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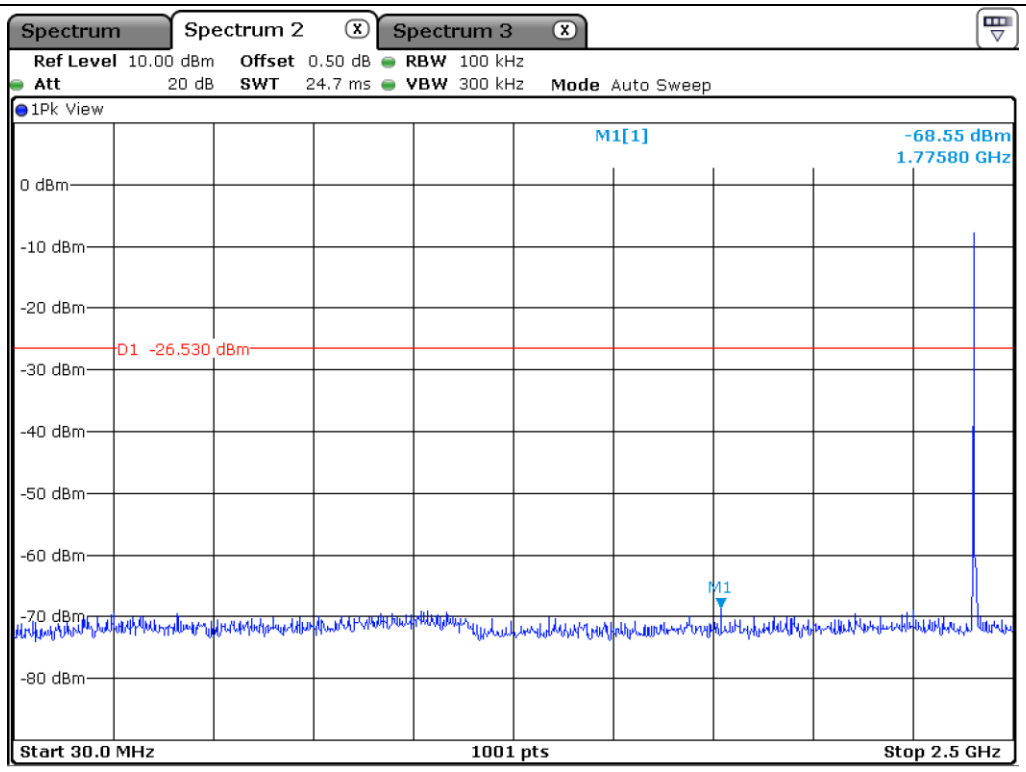
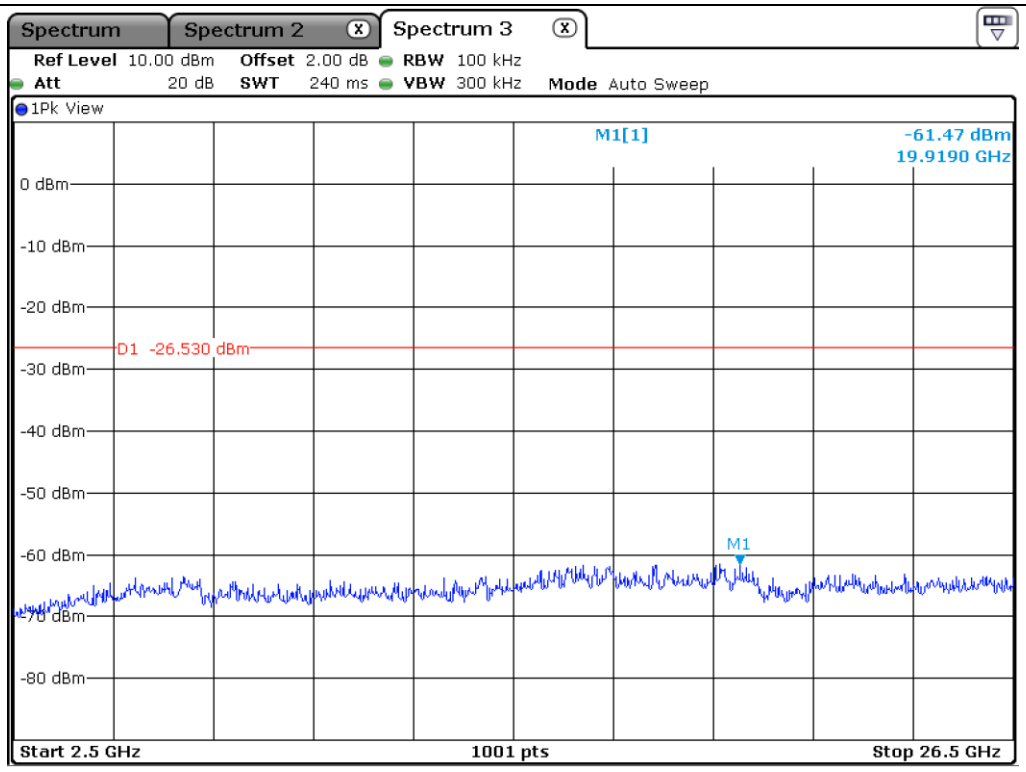
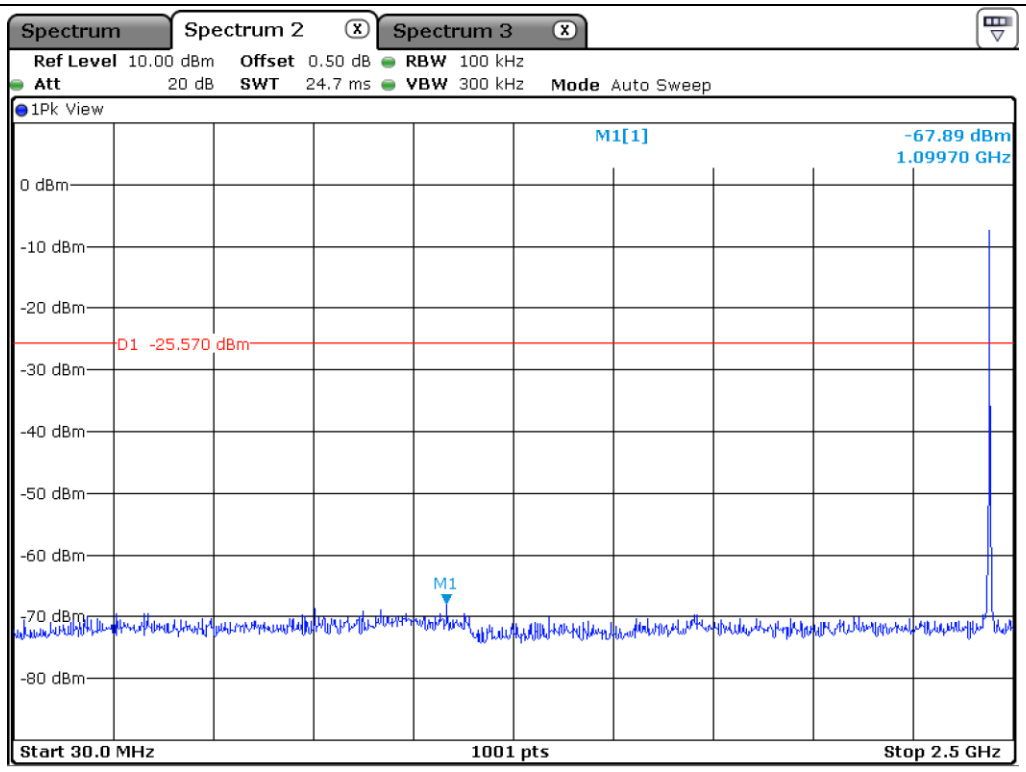


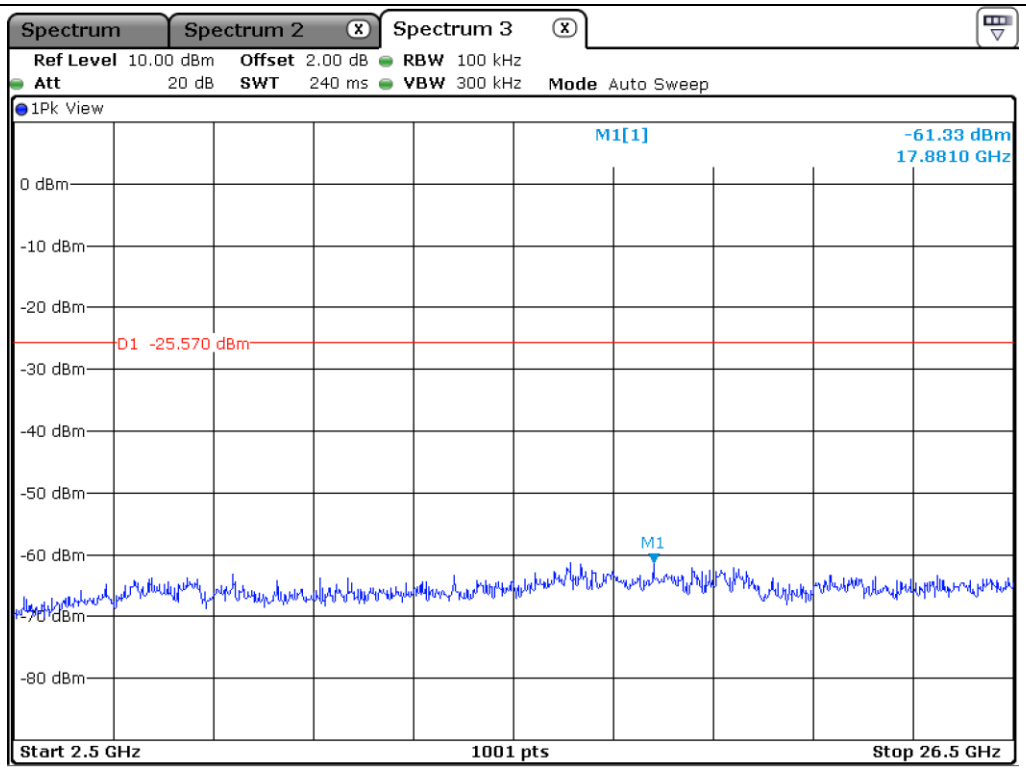
Low Channel



Low Channel



Middle Channel



Middle Channel

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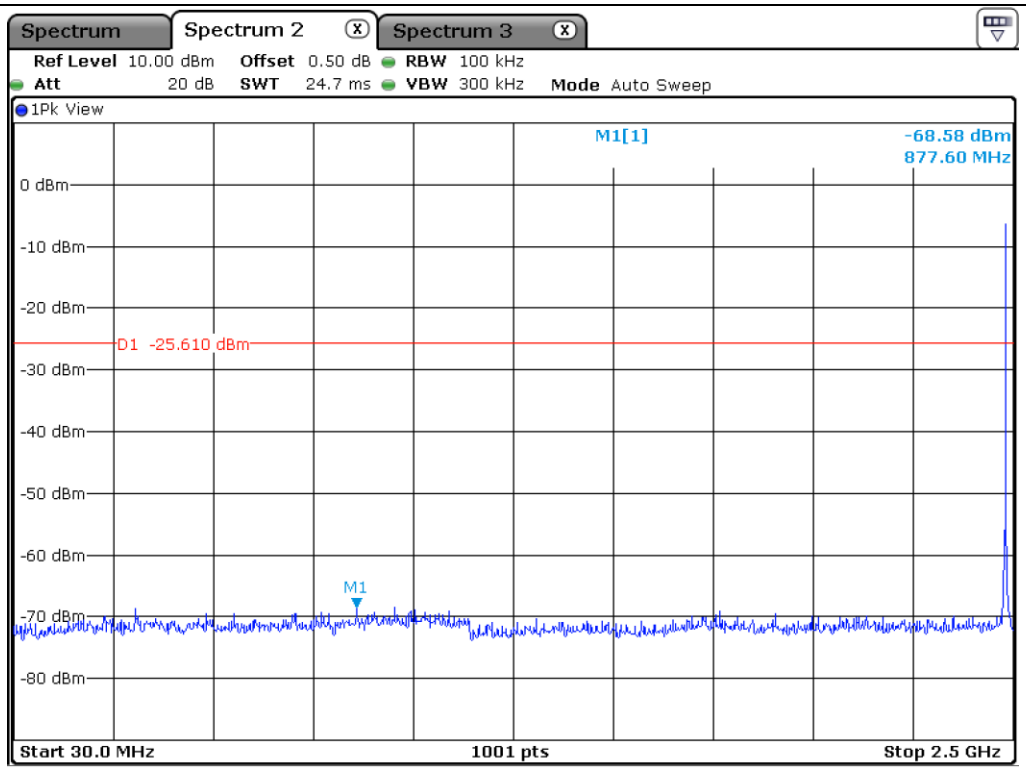
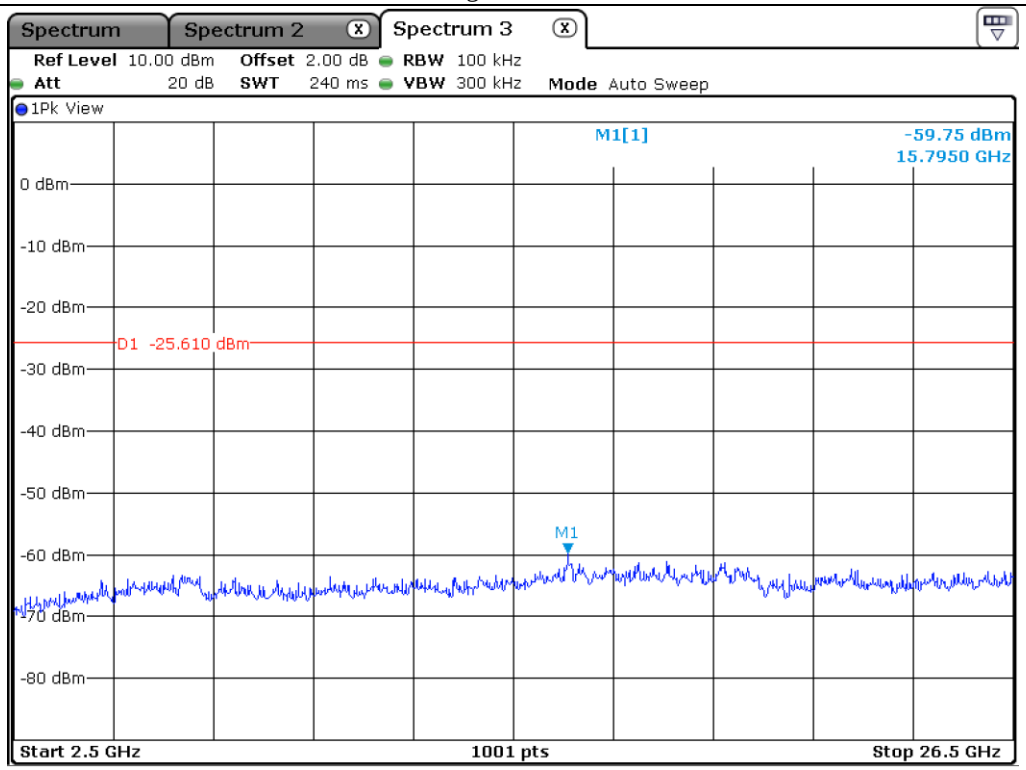


High Channel



High Channel

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9.6 Test data for radiated emission

9.6.1 Radiated Emission which fall in the Restricted Band

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Detector : Peak Mode(Peak), Average Mode(RMS)

-. Measurement distance : 3 m

-. Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	C.F (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel									
2 338.57	16.46	Peak	H	27.60	11.40	0.00	55.46	74.00	18.54
2 341.92	5.85	Average	H			2.19	42.66	54.00	11.34
2 340.72	15.34	Peak	V			0.00	54.34	74.00	19.66
2 340.88	5.52	Average	V			2.19	42.33	54.00	11.67
Test Data for High Channel									
2 496.89	14.76	Peak	H	27.80	11.40	0.00	53.96	74.00	20.04
2 497.86	5.29	Average	H			2.19	42.30	54.00	11.70
2 490.46	14.66	Peak	V			0.00	53.86	74.00	20.14
2 488.28	4.80	Average	V			2.19	41.81	54.00	12.19

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – Pre-Amplifier Gain

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9.6.2 Spurious & Harmonic Radiated Emission

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 3 MHz for Peak and Average Mode

-. Detector : Peak Mode(Peak), Average Mode(RMS)

-. Frequency range : 1 GHz ~ 26.5 GHz

-. Measurement distance : 3 m

-. Result : PASSED

Frequency (GHz)	Reading (dBµV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	C.F (dB)	Total (dBµV/m)	Limits (dBµV/m)	Margin (dB)
Test Data for Low Channel									
4 804.00	17.83	Peak	H	31.20	4.65	0.00	53.68	74.00	20.32
	6.51	Average	H			2.19	40.17	54.00	13.83
	17.25	Peak	V			0.00	53.10	74.00	20.90
	6.56	Average	V			2.19	40.22	54.00	13.78
Test Data for Middle Channel									
4 880.00	17.50	Peak	H	31.40	4.72	0.00	53.62	74.00	20.38
	6.61	Average	H			2.19	40.54	54.00	13.46
	16.65	Peak	V			0.00	52.77	74.00	21.23
	7.02	Average	V			2.19	40.95	54.00	13.05
Test Data for High Channel									
4 960.00	17.54	Peak	H	31.70	4.86	0.00	54.10	74.00	19.90
	7.02	Average	H			2.19	41.39	54.00	12.61
	17.76	Peak	V			0.00	54.32	74.00	19.68
	7.44	Average	V			2.19	41.81	54.00	12.19

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBµV/m) - Total Level (dBµV/m)

Total Level = Reading + Antenna Factor + Cable Loss – Pre-Amplifier Gain

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10. PEAK POWER SPECTRAL DENSITY

10.1 Operating environment

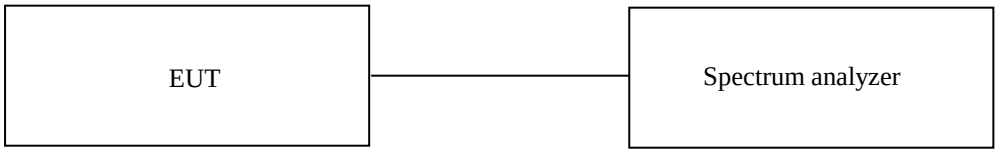
Temperature : 22 °C

Relative humidity : 50 % R.H.

10.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer.

The resolution bandwidth is set to 3 kHz ≤ RBW ≤100 kHz , the video bandwidth is set to 3 times the resolution bandwidth.



10.3 Test date

August 20, 2020 ~ August 21, 2020

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

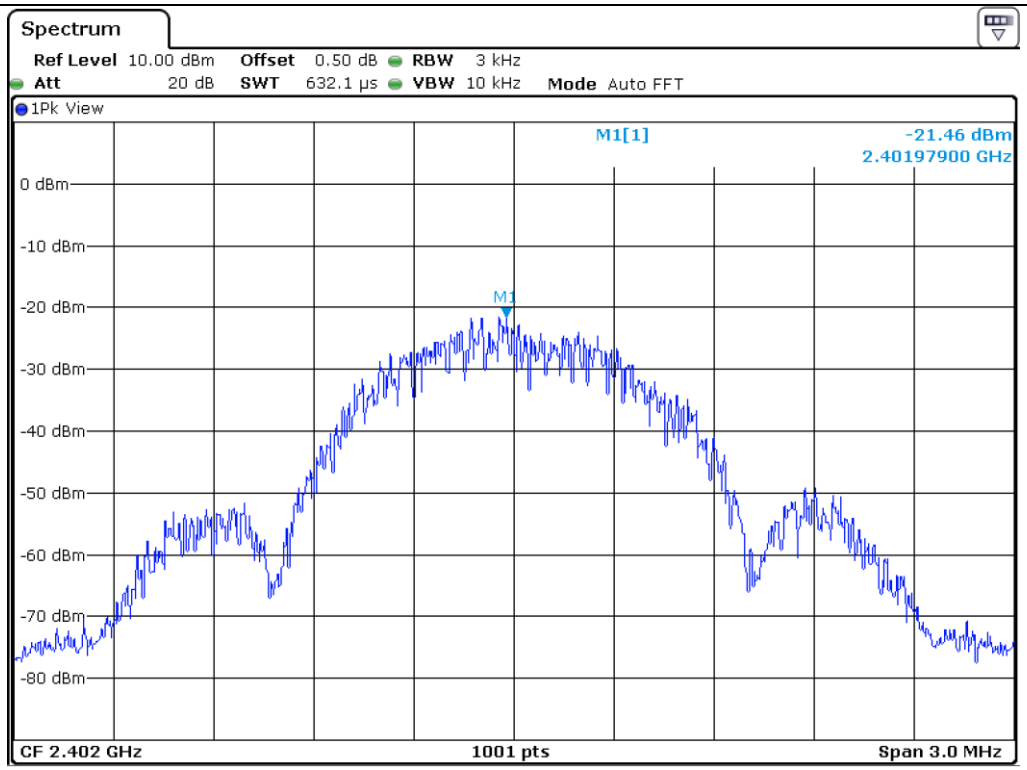
10.4 Test data

-. Test Result : Pass

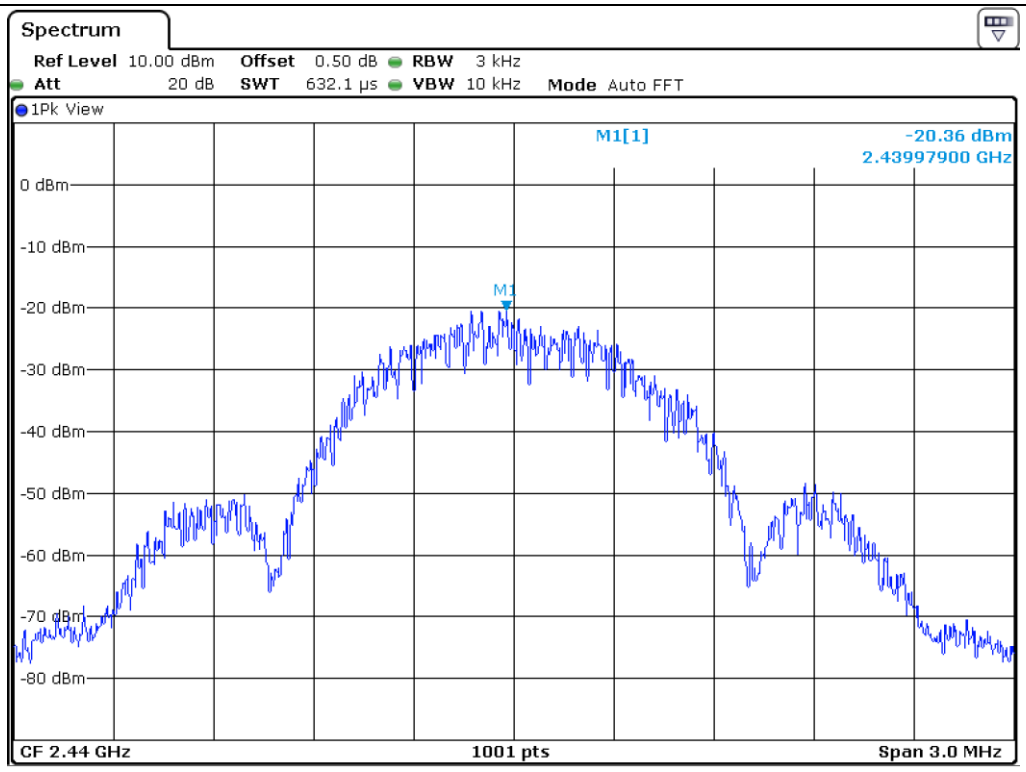
-. Operating Condition : Continuous transmitting mode

CHANNEL	FREQUENCY(MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
Low	2 402.00	-21.46	8.00	29.46
Middle	2 440.00	-20.36	8.00	28.36
High	2 480.00	-20.52	8.00	28.52

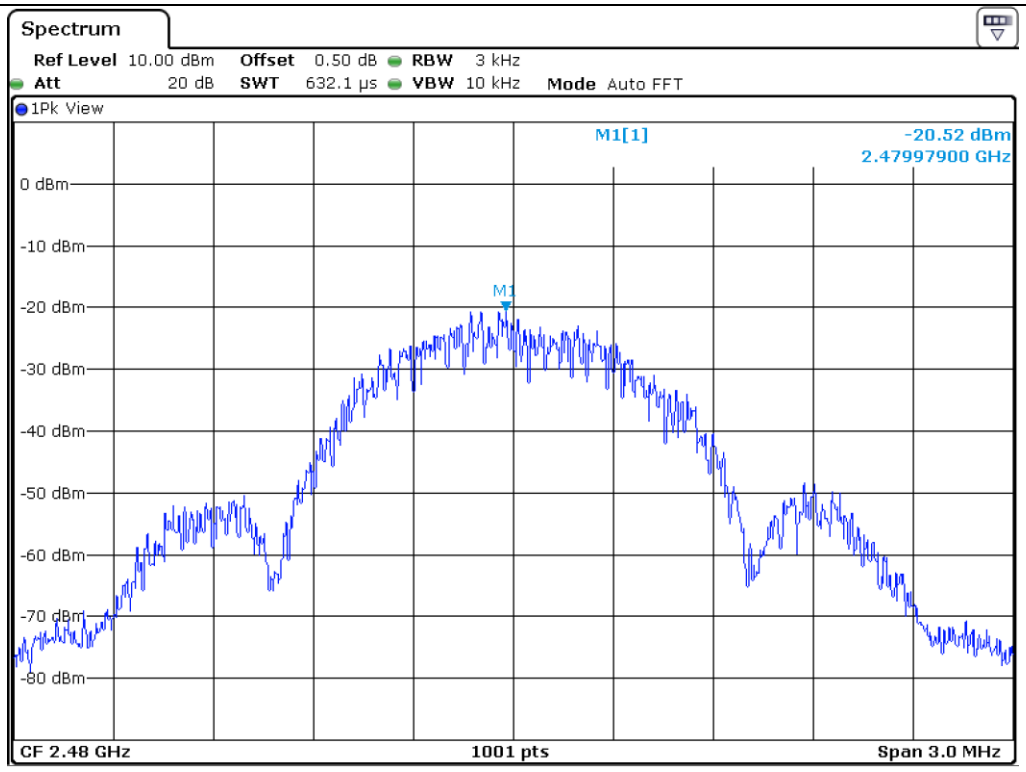
Remark. Margin = Limit – Measured value



Low Channel



Middle Channel



High Channel

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

11. RADIATED EMISSION TEST

11.1 Operating environment

Temperature : 22 °C

Relative humidity : 50 % R.H.

11.2 Test set-up

The radiated emissions measurements were on the 3 m semi anechoic chamber. The EUT and other support equipment were placed on a non-conductive turntable above the ground plane. The interconnecting cables from outside test site were inserted into ferrite clamps at the point where the cables reach the turntable.

The frequency spectrum from 30 MHz to 26.5 GHz was scanned and emission levels maximized at each frequency recorded. The system was rotated 360°, and the antenna was varied in height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

11.3 Test date

August 20, 2020 ~ August 21, 2020

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11.4 Test data for Transmitting Mode

11.4.1 Test data for 30 MHz ~ 1 GHz

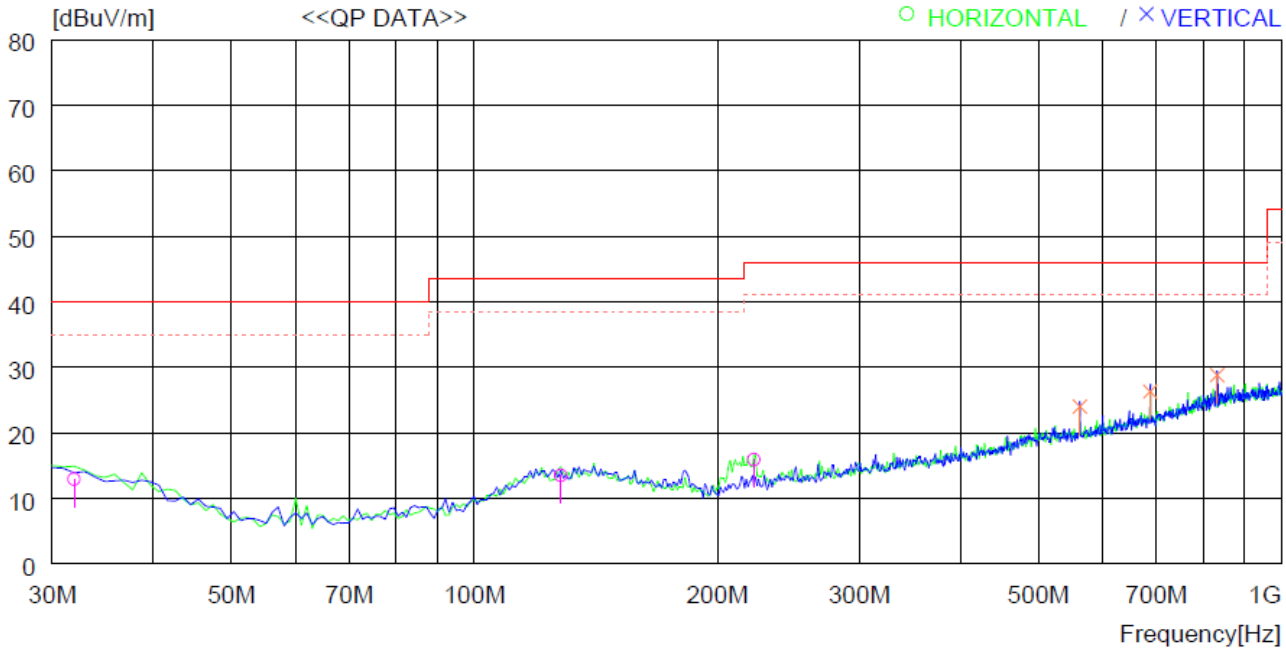
Humidity Level : 50 % R.H. Temperature: 22 °C

Limits apply to : FCC CFR 47, PART 15, SUBPART C, SECTION 15.247

Result : PASSED

EUT : Immnuoassay Analyzer

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz)



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	31.940	24.4	20.3	0.8	32.6	12.9	40.0	27.1	400	0
2	127.970	25.8	19.0	1.4	32.7	13.5	43.5	30.0	100	322
3	222.060	30.0	16.6	1.9	32.6	15.9	46.0	30.1	200	0
----- Vertical ------										
4	562.529	30.3	23.8	2.9	33.0	24.0	46.0	22.0	100	0
5	687.655	30.4	25.4	3.4	32.9	26.3	46.0	19.7	200	359
6	832.181	29.9	27.2	4.1	32.4	28.8	46.0	17.2	100	358

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11.4.2 Test data for Below 30 MHz

-. Resolution bandwidth : 200 Hz (from 9 kHz to 0.15 MHz), 9 kHz (from 0.15 MHz to 30 MHz)

-. Frequency range : 9 kHz ~ 30 MHz

-. Measurement distance : 3 m

-.Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Ant. Pol. (H/V)	Ant. Height (m)	Angle (°)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBµV/m)	Limits (dBµV/m)	Margin (dB)
All emissions observed were 20dB below the limit.									

11.4.3 Test data for above 1 GHz

-. Resolution bandwidth : 1 MHz for Peak and Average Mode

-. Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode

-. Frequency range : 1 GHz ~ 26.5 GHz

-. Measurement distance : 3 m

-.Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBµV)	Ant. Pol. (H/V)	Ant. Height (m)	Angle (°)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBµV/m)	Limits (dBµV/m)	Margin (dB)
All emissions observed were 20dB below the limit.									

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12. CONDUCTED EMISSION TEST

12.1 Operating environment

Temperature	:	22 °C
Relative humidity	:	50 % R.H

12.2 Test set-up

The EUT was placed on a wooden table, 0.8 m height above the floor. Power was fed to the EUT through a 50 Ω / 50 μH + 5 Ω Artificial Mains Network (AMN). The ground plane was electrically bonded to the reference ground system and all power lines were filtered from ambient.

12.3 Test date

August 20, 2020 ~ August 21, 2020

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

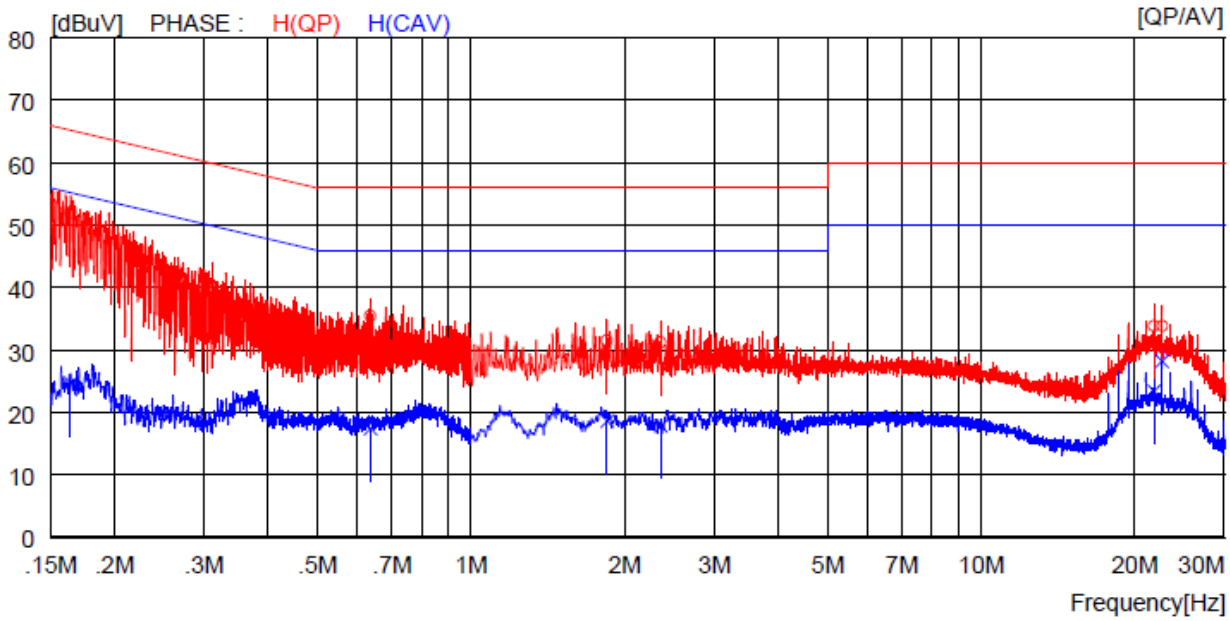
12.4 Test data

-. Resolution bandwidth : 9 kHz

-. Frequency range : 0.15 MHz ~ 30 MHz

-. Tested Line : HOT LINE

LIMIT : EN.KN.FCC.VCCI_CISPR Pub.22 Class B, Quasi-Peak Limits (Mains Ports)
EN.KN.FCC.VCCI_CISPR Pub.22 Class B, Average Limits (Mains Ports)



NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.16400	42.0	----	10.0	52.0	----	65.3	----	13.3	----	H(QP)
2	0.63500	25.5	----	10.0	35.5	----	56.0	----	20.5	----	H(QP)
3	1.84800	21.4	----	10.1	31.5	----	56.0	----	24.5	----	H(QP)
4	2.35600	21.1	----	10.1	31.2	----	56.0	----	24.8	----	H(QP)
5	21.85000	23.4	----	10.5	33.9	----	60.0	----	26.1	----	H(QP)
6	22.65000	23.3	----	10.5	33.8	----	60.0	----	26.2	----	H(QP)
7	0.16400	----	14.7	10.0	----	24.7	----	55.3	----	30.6	H(CAV)
8	0.63500	----	7.4	10.0	----	17.4	----	46.0	----	28.6	H(CAV)
9	1.84800	----	8.5	10.1	----	18.6	----	46.0	----	27.4	H(CAV)
10	2.35600	----	7.7	10.1	----	17.8	----	46.0	----	28.2	H(CAV)
11	21.85000	----	12.9	10.5	----	23.4	----	50.0	----	26.6	H(CAV)
12	22.65000	----	17.7	10.5	----	28.2	----	50.0	----	21.8	H(CAV)

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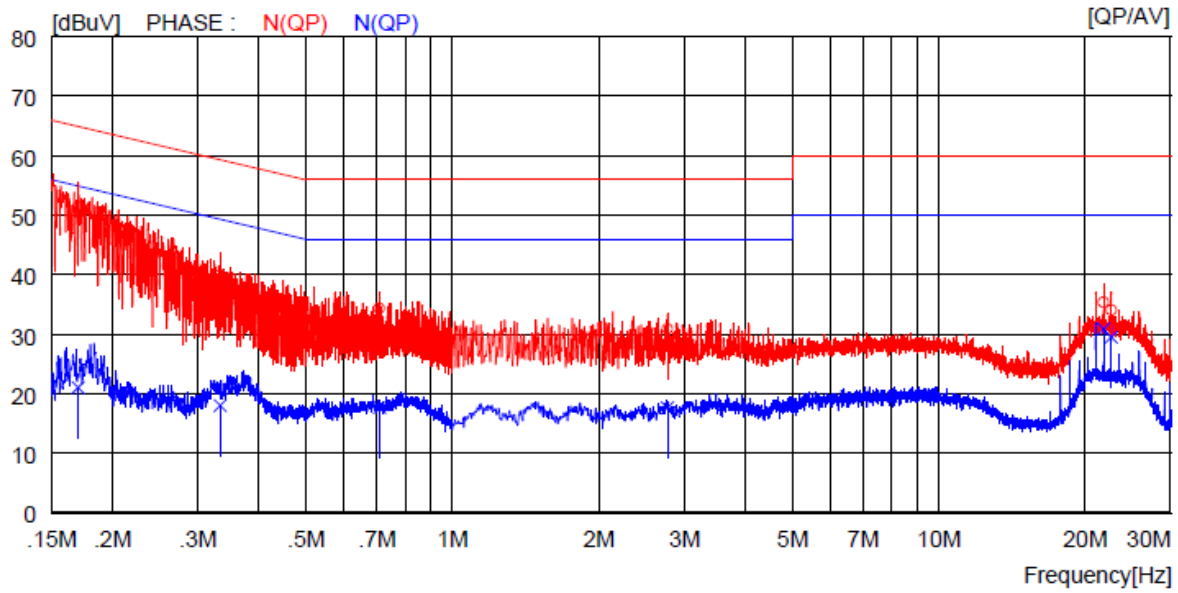
-. Tested Line : NEUTRAL LINE

LIMIT : EN.KN.FCC.VCCI_CISPR Pub.22 Class B, Quasi-Peak Limits (Mains Ports)
EN.KN.FCC.VCCI_CISPR Pub.22 Class B, Average Limits (Mains Ports)



NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.17000	41.4	----	10.0	51.4	----	65.0	----	13.6	----	N(QP)
2	0.33300	30.0	----	9.9	39.9	----	59.4	----	19.5	----	N(QP)
3	0.70800	24.4	----	10.0	34.4	----	56.0	----	21.6	----	N(QP)
4	2.76800	20.8	----	10.1	30.9	----	56.0	----	25.1	----	N(QP)
5	21.84000	24.9	----	10.5	35.4	----	60.0	----	24.6	----	N(QP)
6	22.65000	23.5	----	10.5	34.0	----	60.0	----	26.0	----	N(QP)
7	0.17000	----	11.1	10.0	----	21.1	----	55.0	----	33.9	N(CAV)
8	0.33300	----	8.1	9.9	----	18.0	----	49.4	----	31.4	N(CAV)
9	0.70800	----	7.7	10.0	----	17.7	----	46.0	----	28.3	N(CAV)
10	2.76800	----	7.5	10.1	----	17.6	----	46.0	----	28.4	N(CAV)
11	21.84000	----	20.4	10.5	----	30.9	----	50.0	----	19.1	N(CAV)
12	22.65000	----	19.0	10.5	----	29.5	----	50.0	----	20.5	N(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The emission level in above table is included the transducer factor that means insertion loss (LISN), cable loss and attenuator.

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13. LIST OF TEST EQUIPMENT

Model Number	Manufacturer	Description	Serial Number	Last Cal. (Interval)
FSV30	Rohde & Schwarz	Signal Analyzer	101200	Jul. 15, 2020 (1Y)
ESR7	Rohde & Schwarz	EMI Test Receiver	102190	Oct. 16, 2019 (1Y)
310N	Sonoma Instrument	AMPLIFIER	312545	Mar. 16, 2020 (1Y)
MA-4640-XPET	Innco Systems GmbH	Antenna Master	MA4640/652	N/A
HD100	HD GmbH	Position Controller	N/A	N/A
DT2000-2t	Innco Systems GmbH	Turn Table	N/A	N/A
FMZB 1513	Schwarzbeck	LOOP ANTENNA	1513-235	Mar. 24, 2020 (2Y)
HLP-2008	TDK	Hybrid Antenna	131316	Feb. 27, 2020 (2Y)
BBHA9170	Schwarzbeck	Horn Antenna	BBHA9170178	Jan. 07, 2020(1Y)
AH-118	Com-Power	Horn Antenna	10050061	Oct. 18, 2019 (1Y)
ESCI	Rohde & Schwarz	Test Receiver	101012	Oct. 22, 2019 (1Y)
ESH3-Z2	Rohde & Schwarz	Pulse Limiter	060117	Mar. 16, 2020 (1Y)
NSLK8128	Schwarzbeck	LISN	8128216	Mar. 16, 2020 (1Y)

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