FCC Test Report

APPLICANT : Lenovo(Shanghai) Electronics Technology

Co., Ltd.

EQUIPMENT: Portable Tablet Computer

BRAND NAME : Lenovo MODEL NAME : TB128FU

FCC ID : O57TB128FU

STANDARD : 47 CFR Part 15 Subpart B

CLASSIFICATION: Certification

TEST DATE(S) : Mar. 20, 2022 ~ Mar. 28, 2022

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Reviewed by: Jason Jia / Supervisor

JasonJia

Approved by: Alex Wang / Manager

Sporton International Inc. (Kunshan)

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China

Sporton International Inc. (Kunshan)

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: O57TB128FU Page Number : 1 of 22
Report Issued Date : Apr. 06, 2022
Report Version : Rev. 01

ACCREDITED
Cert #5145.02

Report No.: FC230211-01

Report Template No.: BU5-FC15B Version 3.0

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC230211-01	Rev. 01	Initial issue of report	Apr. 06, 2022

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
					Under limit
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	7.75 dB at
					0.161 MHz
					Under limit
3.2	15.109	15.109 Radiated Emission	< 15.109 limits	PASS	3.63 dB at
					167.740 MHz

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

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.

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1. General Description

1.1. Applicant

Lenovo(Shanghai) Electronics Technology Co., Ltd.

Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone

Report No.: FC230211-01

1.2. Manufacturer

Lenovo PC HK Limited

23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, China

1.3. Product Feature of Equipment Under Test

	Product Feature
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	TB128FU
FCC ID	O57TB128FU
EUT supports Radios application	WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth BR / EDR / LE GNSS/FM
HW Version	Lenovo TB128FU
SW Version	TB128FU_RF01_220301
EUT Stage	Identical Prototype

Remark:

- 1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
- 2. There are four types of EUT. The different between them refer to the TB128FU_Operational Description of Product Equality Declaration which is exhibit separately. For sample 1/2(6+128M) and sample 3/4(4+64M), the different is memory capacity, according to the difference, we choose sample 1 perform full test and sample 2 verify the worst case.

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1.4. Product Specification of Equipment Under Test

Standards-related Product Specification					
Tx Frequency	802.11b/g/n: 2400 MHz ~ 2483.5 MHz 802.11a/n/ac: 5150 MHz ~ 5250 MHz; 5250 MHz ~ 5350 MHz; 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz				
Rx Frequency	802.11b/g/n: 2400 MHz ~ 2483.5 MHz 802.11a/n/ac: 5150 MHz ~ 5250 MHz; 5250 MHz ~ 5350 MHz; 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz GNSS: 1559 MHz ~ 1610 MHz FM: 88 MHz ~ 108 MHz				
Antenna Type	WLAN: Fixed Internal Antenna Bluetooth: Fixed Internal Antenna GNSS: Fixed Internal Antenna FM: External Earphone Antenna				
Type of Modulation	802.11b: DSSS (DBPSK / DQPSK / CCK) 802.11a/g/n/ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) Bluetooth LE: GFSK Bluetooth (1Mbps): GFSK Bluetooth (2Mbps): π/4-DQPSK Bluetooth (3Mbps): 8-DPSK GNSS: BPSK FM				

1.5. Modification of EUT

No modifications are made to the EUT during all test items.

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1.6. Test Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

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Test Firm	Sporton International Inc. (Kunshan)				
	No. 1098, Pengxi North Road, Kunshan Economic Development Zone				
Test Site Location	Jiangsu Province 215300 People's Republic of China				
rest site Location	TEL: +86-512-57900158				
	FAX: +86-512-57900958				
	0 1 0'' N		FCC Test Firm		
Test Site No.	Sporton Site No.	FCC Designation No.	Registration No.		
	CO01-KS 03CH08-KS	CN1257	314309		

1.7. Test Software

lte	m	Site	Manufacturer	Name	Version
1		03CH08-KS	AUDIX	E3	6.2009-8-24al
2		CO01-KS	AUDIX	E3	6.2009-8-24

1.8. Applicable Standards

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

- 47 CFR Part 15 Subpart B
- ANSI C63.4-2014

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

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2. Test Configuration of Equipment Under Test

2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5th harmonic of the highest frequency or to 40 GHz, whichever is lower).

Test Items	Function Type
	Mode 1: Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Pen 1 + Battery + USB Cable1(Charging from Adapter1) + Earphone for Sample 1
	Mode 2: Bluetooth Idle + WLAN (5G) Idle + Camera(Front) + Pen 2 + Battery + USB Cable2(Charging from Adapter2) + Earphone for Sample 1
	Mode 3: Bluetooth Idle + WLAN (2.4G) Idle + MPEG4(Run Color Bar) + Pen 1 + Battery + USB Cable 1(Data Link with Notebook) + EUT (eMMC) USB Data Link to Notebook + Earphone for Sample 1
	Mode 4: Bluetooth Idle + WLAN (5G) Idle + FM Rx(98) + Pen 1 + Battery + USB Cable 1(Data Link with Notebook) + Notebook USB Data Link to EUT (eMMC) + Earphone for Sample 1
AC Conducted Emission	Mode 5: Bluetooth Idle + WLAN (2.4G) Idle + GNSS Rx + Pen 1 + Battery + USB Cable 1(Data Link with Notebook) + EUT (SD) USB Data Link to Notebook + Earphone for Sample 1
	Mode 6: Bluetooth Idle + WLAN (5G) Idle + GNSS Rx + Pen 1 + Battery + USB Cable 1(Data Link with Notebook) + Notebook USB Data Link to EUT (SD) + Earphone for Sample 1
	Mode 7: Bluetooth Idle + WLAN (2.4G) Idle + GNSS Rx + Pen 1 + Battery + USB Cable 2(Data Link with Notebook) + Notebook USB Data Link to EUT (eMMC) + Earphone for Sample 1
	Mode 8: Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Pen 1 + Battery + USB Cable1(Charging from Adapter1) + Earphone for Sample 2
	Mode 9: Bluetooth Idle + WLAN (5G) Idle + FM Rx(98) + Pen 1 + Battery + USB Cable 1(Data Link with Notebook) + Notebook USB Data Link to EUT (eMMC) + Earphone for Sample 2

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	Mode 1: Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Pen 1 + Battery + USB Cable1(Charging from Adapter1) + Earphone for Sample 1
	Mode 2: Bluetooth Idle + WLAN (5G) Idle + Camera(Front) + Pen 2 + Battery + USB Cable2(Charging from Adapter2) + Earphone for Sample 1
	Mode 3: Bluetooth Idle + WLAN (2.4G) Idle + MPEG4(Run Color Bar) + Pen 2 + Battery + USB Cable 1(Data Link with Notebook) + EUT (eMMC) USB Data Link to Notebook + Earphone for Sample 1
	Mode 4: Bluetooth Idle + WLAN (5G) Idle + FM Rx(108) + Pen 2 + Battery + USB Cable 1(Data Link with Notebook) + Notebook USB Data Link to EUT (eMMC) + Earphone for Sample 1
Radiated Emissions	Mode 5: Bluetooth Idle + WLAN (2.4G) Idle + GNSS Rx + Pen 2 + Battery + USB Cable 1(Data Link with Notebook) + EUT (SD) USB Data Link to Notebook + Earphone for Sample 1
	Mode 6: Bluetooth Idle + WLAN (5G) Idle + GNSS Rx + Pen 2 + Battery + USB Cable 1(Data Link with Notebook) + Notebook USB Data Link to EUT (SD) + Earphone for Sample 1
	Mode 7: Bluetooth Idle + WLAN (2.4G) Idle + GNSS Rx + Pen 2 + Battery + USB Cable 2(Data Link with Notebook) + EUT (eMMC) USB Data Link to Notebook + Earphone for Sample 1
	Mode 8: Bluetooth Idle + WLAN (5G) Idle + Camera(Front) + Pen 2 + Battery + USB Cable2(Charging from Adapter2) + Earphone for Sample 2
	Mode 9: Bluetooth Idle + WLAN (2.4G) Idle + MPEG4(Run Color Bar) + Pen 2 + Battery + USB Cable 1(Data Link with Notebook) + EUT (eMMC) USB Data Link to Notebook + Earphone for Sample 2
_	1

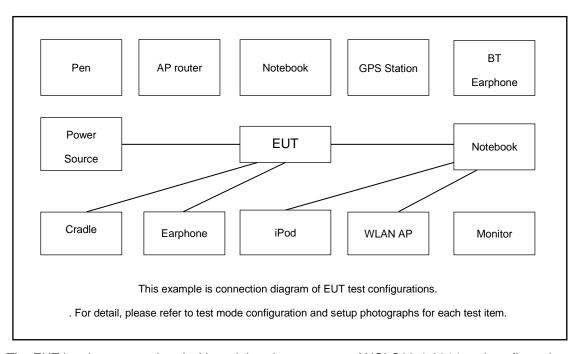
Remark:

- 1. The worst case of AC is mode 1; only the test data of this mode is reported.
- 2. The worst case of RE is mode 3; only the test data of this mode is reported.
- Data Link with Notebook means data application transferred mode between EUT and Notebook.
- 4. Pre-scanned Low/Middle/High channel for FM, the worst channel was recorded in this report.

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2.2. Connection Diagram of Test System



The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application

2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Lenovo	S730-13IWL	N/A	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m
2.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
3.	SD Card	SanDisk	Uitra	N/A	N/A	N/A
4.	Hard disk	KINGSHARE	KSP6120G	Fcc DoC	Shielded, 1.2m	N/A
5.	WLAN AP	TP-Link	TL-WDR5600	N/A	N/A	Unshielded,1.8m
6.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
7.	Earphone	Lenovo	P121	N/A	N/A	Unshielded,1.2m
8.	Signal Generator	R&S	SMBV100A	N/A	N/A	Unshielded,1.8m
9.	Bluetooth Earphone	Xiaomi	LYEJ02LM	N/A	N/A	N/A
10.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m

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11.	Hard Disk	Lenovo	F310	DoC	Shielded, 1.2m	N/A
12.	SD Card	Kingston	8GB	N/A	N/A	N/A

2.4. EUT Operation Test Setup

The EUT was in LTE idle mode during the testing. The EUT was synchronized to the BCCH, and is in continuous receiving mode by setting system simulator's paging reorganization.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test.

- 1. Data application is transferred between notebook and EUT via USB cable.
- 2. Turn on camera to capture images.
- 3. Turn on MPEG4 function.
- 4. Turn on GNSS function to make the EUT receive continuous signals from GNSS station.
- 5. Turn on FM function to make the EUT receive continuous signals from FM station

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3. Test Result

3.1. Test of AC Conducted Emission Measurement

3.1.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

<Class B Limit>

Frequency of emission	Conducted limit (dBuV)		
(MHz)	Quasi-peak	Average	
0.15-0.5	66 to 56*	56 to 46*	
0.5-5	56	46	
5-30	60	50	

^{*}Decreases with the logarithm of the frequency.

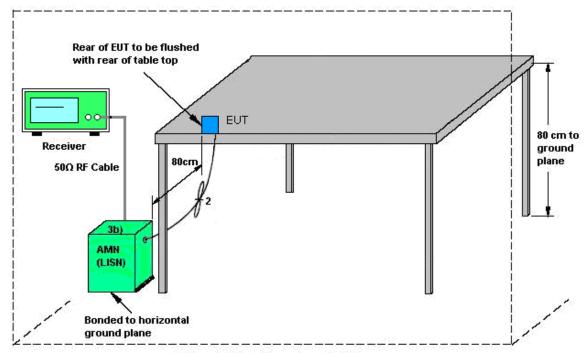
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedure

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.1.4 Test Setup



AMN = Artificial mains network (LISN)

AE = Associated equipment

EUT = Equipment under test

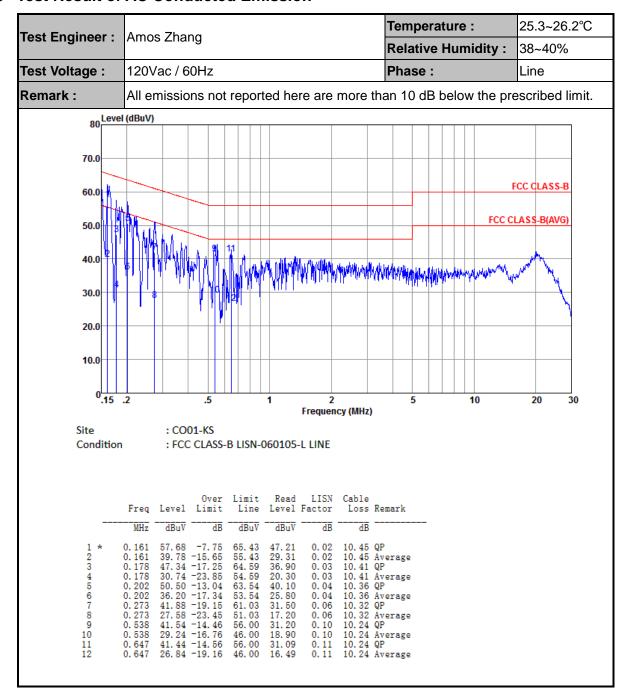
ISN = Impedance stabilization network

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3.1.5 Test Result of AC Conducted Emission



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25.3~26.2°C Temperature: Test Engineer: Amos Zhang **Relative Humidity:** 38~40% Test Voltage: 120Vac / 60Hz Phase: Neutral Remark: All emissions not reported here are more than 10 dB below the prescribed limit. 80 Level (dBuV) 70.0 FCC CLASS-B 60.0 FCC CLASS-B(AVG) 50.0 40.0 30.0 20.0 10.0 .5 5 10 20 30 Frequency (MHz) : CO01-KS Condition : FCC CLASS-B LISN-060105-N NEUTRAL LISN Cable Limit 0ver Read Freq Level Limit Line Level Factor Loss Remark dBuV dBuV 55. 47 -10. 22 40. 77 -14. 92 47. 71 -16. 84 30. 01 -24. 54 47. 78 -16. 02 32. 08 -21. 72 45. 36 -17. 74 48. 66 -24. 44 40. 92 -20. 20 24. 02 -27. 10 38. 45 -17. 55 23. 85 -22. 15 65.69 0.156 0.11 55. 69 64. 55 0.11 10.47 Average 10.41 QP 10.41 Average 0. 156 0. 179 30. 19 37. 20 10. 41 Average 10. 37 QP 10. 37 Average

Note:

1. Level(dB μ V) = Read Level(dB μ V) + LISN Factor(dB) + Cable Loss(dB)

19.50 37.31 21.61

34. 90 18. 20 30. 50

13.60 28.10

13.50

0. 10 0. 10 0. 10 0. 10 0. 10

0.10 0.11

10.37 Average 10.36 QP 10.36 Average 10.32 QP

10.32 Average 10.24 QP

63. 80 53. 80

63. 10 53. 10 61. 12 51. 12 56. 00

2. Over Limit(dB) = Level(dB μ V) – Limit Line(dB μ V)

0. 195 0. 195

0.213 0.213 0.270 0. 270 0. 541

10 11

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3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

<Class B Limit>

Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.2.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

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3.2.3. Test Procedures

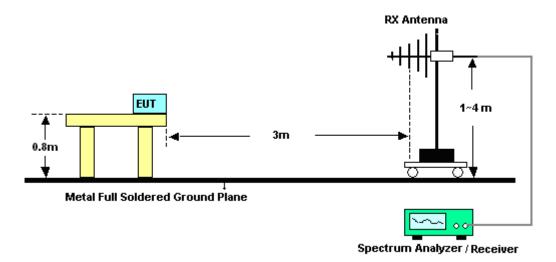
- 1. The EUT was placed on a turntable with 0.8 meter above ground.
- 2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest radiation.
- 4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
- 5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- 6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
- 7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
- 8. Emission level (dB μ V/m) = 20 log Emission level (μ V/m)
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level
- 10. Exploratory radiated emissions testing of handheld and/or body-worn devices shall include rotation of the EUT through three orthogonal axes (X/Y/Z Plane) to determine the orientation (attitude) that maximizes the emissions.

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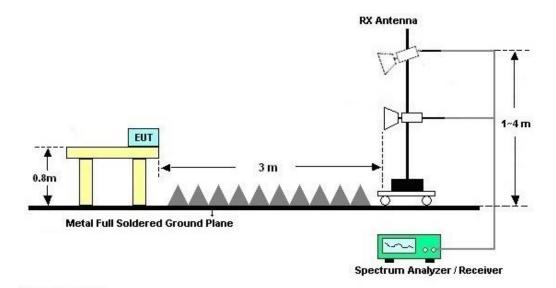
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3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

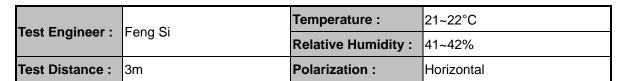


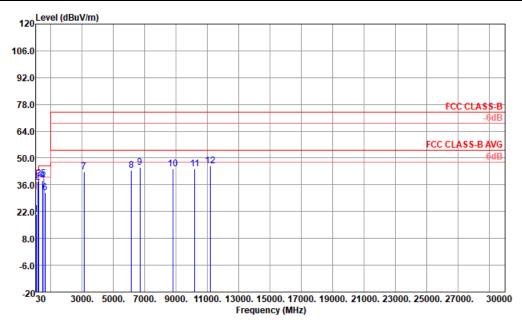
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3.2.5. Test Result of Radiated Emission





Site : 03CH08-KS

Condition : FCC CLASS-B 3m CBL 61110 59915 HORIZONTAL

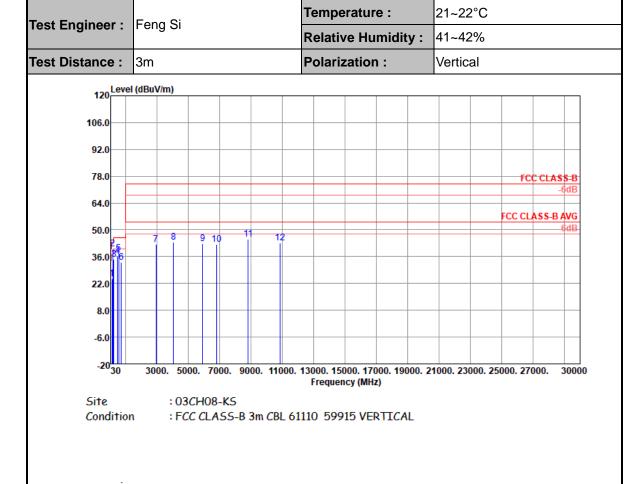
	Freq	Level	Limit Line	Over Limit		ntenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	CM	deg	
1	77.53	20.47	40.00	-19.53	38.42	13.05	1.40	32.40			Peak
2!	167.74	37.51	43.50	-5.99	51.63	16.22	2.06	32.40	200	153	Peak
3	239.52	39.44	46.00	-6.56	51.63	17.72	2.49	32.40			Peak
4	480.08	38.22	46.00	-7.78	43.72	23.40	3.50	32.40			Peak
5	531.49	39.25	46.00	-6.75	43.35	24.62	3.68	32.40			Peak
6	640.13	31.89	46.00	-14.11	34.15	26.10	4.04	32.40			Peak
7	3125.00	42.79	74.00	-31.21	60.07	32.74	9.08	59.10			Peak
8	6151.00	43.45	74.00	-30.55	51.68	35.08	12.80	56.11			Peak
9	6678.00	45.09	74.00	-28.91	52.81	35.33	13.36	56.41			Peak
10	8820.00	44.42	74.00	-29.58	51.66	35.90	15.82	58.96			Peak
11	10197.00	44.52	74.00	-29.48	52.56	37.20	16.73	61.97			Peak
12	11183.00	45.99	74.00	-28.01	52.58	37.73	17.53	61.85			Peak

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	-		Limit	0ver	ReadA	ntenna	Cable	Preamp	A/Pos	T/Pos	
	Freq	Level	Line	Limit	Level	Factor	Loss	Factor			Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	Cm	deg	
1	113.42	24.57	43.50	-18.93	39.16	16.12	1.69	32.40			Peak
2	! 167.74	39.87	43.50	-3.63	53.99	16.22	2.06	32.40	100	265	QP
3	240.49	34.76	46.00	-11.24	46.88	17.79	2.49	32.40			Peak
4	480.08	36.18	46.00	-9.82	41.68	23.40	3.50	32.40			Peak
5	533.43	37.81	46.00	-8.19	41.85	24.67	3.69	32.40			Peak
6	713.85	33.15	46.00	-12.85	34.42	26.84	4.26	32.37			Peak
7	2921.00	42.58	74.00	-31.42	59.98	32.67	8.72	58.79			Peak
8	4043.00	43.69	74.00	-30.31	56.29	33.13	11.69	57.42			Peak
9	5896.00	42.92	74.00	-31.08	51.64	34.91	12.57	56.20			Peak
10	6814.00	42.41	74.00	-31.59	49.96	35.36	13.53	56.44			Peak
11	8820.00	44.98	74.00	-29.02	52.22	35.90	15.82	58.96			Peak
12	10843.00	43.11	74.00	-30.89	50.24	37.50	17.26	61.89			Peak

Note:

- 1. Level(dB μ V/m) = Read Level(dB μ V) + Antenna Factor(dB/m) + Cable Loss(dB) Preamp Factor(dB)
- 2. Over Limit(dB) = Level(dB μ V/m) Limit Line(dB μ V/m)

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4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 21, 2021	Mar. 20, 2022	Apr. 20, 2022	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 14, 2021	Mar. 20, 2022	Oct. 13, 2022	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	Apr. 13, 2021	Mar. 20, 2022	Apr. 12, 2022	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 14, 2021	Mar. 20, 2022	Oct. 13, 2022	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Ma x 30dBm	Oct. 16, 2021	Mar. 28, 2022	Oct. 15, 2022	Radiation (03CH08-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471084	10Hz-44G,MAX 30dB	Jul. 12, 2021	Mar. 28, 2022	Jul. 11, 2022	Radiation (03CH08-KS)
Bilog Ante1ma	TESEQ& VGT	CBL 61110	59915	30MHz-1GHz	Sep. 02, 2021	Mar. 28, 2022	Sep. 01, 2022	Radiation (03CH08-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Dec. 24, 2021	Mar. 28, 2022	Dec. 23, 2022	Radiation (03CH08-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2022	Mar. 28, 2022	Jan. 04, 2023	Radiation (03CH08-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 05, 2022	Mar. 28, 2022	Jan. 04, 2023	Radiation (03CH08-KS)
Amplifier	SONOMA	310N	413741	9KHz-1GHz	Jan. 13, 2022	Mar. 28, 2022	Jan. 12, 2023	Radiation (03CH08-KS)
Amplifier	Keysight	83017A	MY53270389	500MHz~26.5G Hz	Jan. 05, 2022	Mar. 28, 2022	Jan. 04, 2023	Radiation (03CH08-KS)
AC Power Source	Chroma	61601	61601000247 3	N/A	NCR	Mar. 28, 2022	NCR	Radiation (03CH08-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Mar. 28, 2022	NCR	Radiation (03CH08-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Mar. 28, 2022	NCR	Radiation (03CH08-KS)

NCR: No Calibration Required

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5. Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence	2 044D
of 95% (U = 2Uc(y))	2.94dB

<u>Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)</u>

Measuring Uncertainty for a Level of Confidence	5.0dB
of 95% (U = 2Uc(y))	3.0GB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence	5.0dB
of 95% (U = 2Uc(y))	3.0GB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence	5.0dB
of 95% (U = 2Uc(y))	J.00B

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