FCC Test Report

APPLICANT : T-Mobile Usa, Inc. EQUIPMENT : SyncUP TRACKER

BRAND NAME : T-Mobile MODEL NAME : MKM0

FCC ID : 2ASXC-TMO-SUT-02

STANDARD : 47 CFR Part 15 Subpart B

CLASSIFICATION: Certification

TEST DATE(S) : Jul. 10, 2024 ~ Jul. 12, 2024

We, Sporton International Inc. (Shenzhen), 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. (Shenzhen), the test report shall not be reproduced except in full.

JasonJia

Approved by: Jason Jia





Report No.: FC450610

Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China

Sporton International Inc. (ShenZhen)

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Report Version : Rev. 01

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC450610	Rev. 01	Initial issue of report	Sep. 20, 2024

Sporton International Inc. (ShenZhen)

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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	20.98 dB at
					0.160 MHz
					Under limit
3.2	15.109	15.109 Radiated Emission	< 15.109 limits	PASS	11.11 dB at
					955.380 MHz

Conformity Assessment Condition:

The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. Please refer to each test results in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

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1. General Description

1.1. Applicant

T-Mobile Usa, Inc.

12920 Se 38th Street, Bellevue, Washington, United States 98006

1.2. Manufacturer

T-Mobile Usa, Inc.

12920 Se 38th Street, Bellevue, Washington, United States 98006

1.3. Product Feature of Equipment Under Test

	Product Feature
Equipment	SyncUP TRACKER
Brand Name	T-Mobile
Model Name	MKM0
FCC ID	2ASXC-TMO-SUT-02
EUT supports Radios application	LTE Category M1, Bluetooth LE, GNSS, WLAN 2.4GHz 802.11b/g/n (RX only)
IMEI Code	Conduction: 352056170201608 Radiation: 352056170201608
HW Version	V05
SW Version	1.00.025-TM.MKM00626
EUT Stage	Production Unit

Report No.: FC450610

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. WLAN 2.4GHz 802.11b/g/n only supports receiver function. (Scanning for location only).

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1.4. Product Specification of Equipment Under Test

Standards-related Product Specification						
Tx Frequency	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 66: 1710 MHz ~ 1780 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz					
Rx Frequency	LTE Band 2: 1930 MHz ~ 1990 MHz LTE Band 4: 2110 MHz ~ 2155 MHz LTE Band 12: 729 MHz ~ 746 MHz LTE Band 66: 2110 MHz~ 2180 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz GNSS: 1559 MHz ~ 1610 MHz					
Antenna Type	WWAN : LDS Antenna WLAN : LDS Antenna Bluetooth : LDS Antenna GNSS: LDS Antenna					
Type of Modulation	LTE Category M1: QPSK / 16QAM 802.11b: DSSS (DBPSK / DQPSK / CCK) 802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth LE: GFSK GNSS: BPSK					

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. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (Shenzhen)						
	1/F, 2/F, Bldg 5, Shiling Inc	dustrial Zone, Xinwei Villaç	ge, Xili, Nanshan,				
Test Site Location	Shenzhen, 518055 People's Republic of China						
lest Site Location	TEL: +86-755-86379589						
	FAX: +86-755-86379595						
			FCC Test Firm				
Test Site No.	Sporton Site No.	FCC Designation No.	Registration No.				
	CO01-SZ	CN1256	421272				

Test Firm	Sporton International Inc. (Shenzhen)						
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong						
rest Site Location	Province 518103 People's Republic of China						
	TEL: +86-755-86066985						
	Snorton Sito No.	ECC Designation No.	FCC Test Firm				
Test Site No.	Sporton Site No.	FCC Designation No.	Registration No.				
	03CH05-SZ	CN1256	421272				

1.7. Test Software

Item Site		Manufacturer Na		Version	
1.	03CH05-SZ	AUDIX	E3	6.2009-8-24	
2.	CO01-SZ	AUDIX	E3	6.120613b	

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

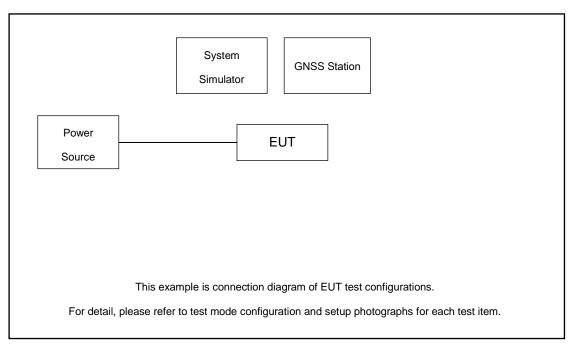
2.1. Test Mode

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					
AC Conducted Emission	Mode 1: LTE Cat.M1 Band 12 Idle (Middle CH) + GNSS RX + E-SIM + USB Cable (Charging from Adapter) + Battery					
Radiated Emissions	Mode 1: LTE Cat.M1 Band 12 Idle (Middle CH) + GNSS on + E-SIM + USB Cable (Charging from Adapter) + Battery					
Remark: Pre-scanned Low/Middle/High channel for LTE Band 12, the worst channel was recorded in						
this report.						

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

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2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	CWM500	N/A	N/A	Unshielded,1.8m
2.	Adapter	APPLE	A2244	N/A	N/A	N/A
3.	GNSS Station	Labsat	RLLS03-2P	N/A	N/A	Unshielded,1.8m

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 following program installed in the EUT was programmed during the test.

Turn on GNSS function to make the EUT receive continuous signals from GNSS 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.

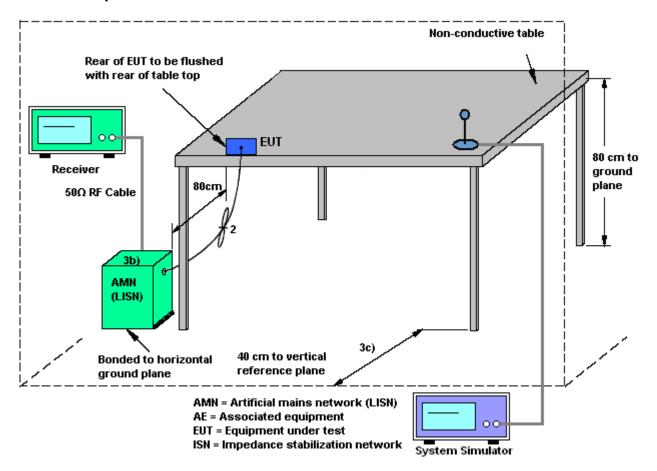
3.1.2 Measuring Instruments

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.

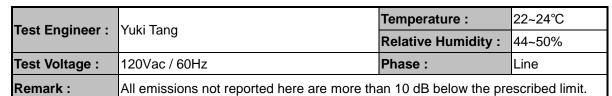
3.1.4 Test Setup



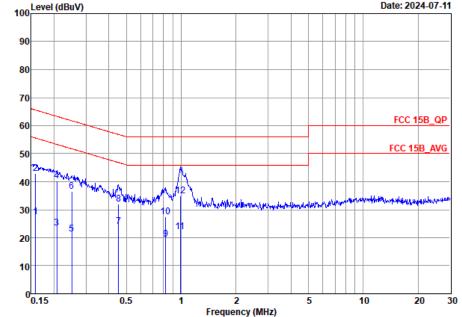
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3.1.5 Test Result of AC Conducted Emission



100 Level (dBuV) Date: 2024-07-11



: CO01-SZ

Condition: FCC 15B_QP AC LISN 100063_L LINE

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBu∀	dB	dBuV	dBuV	dB	dB	
1	0.16	27.56	-28.00	55.56	7.10	10.32	10.14	Average
2	0.16	42.86	-22.70	65.56	22.40	10.32	10.14	QP
3	0.21	23.58	-29.74	53.32	3.00	10.43	10.15	Average
4	0.21	40.18	-23.14	63.32	19.60	10.43	10.15	QP
5	0.25	21.38	-30.35	51.73	1.10	10.13	10.15	Average
6	0.25	36.48	-25.25	61.73	16.20	10.13	10.15	QP
7	0.45	23.90	-22.95	46.85	3.39	10.35	10.16	Average
8	0.45	32.00	-24.85	56.85	11.49	10.35	10.16	QP
9	0.82	19.44	-26.56	46.00	-1.00	10.28	10.16	Average
10	0.82	27.54	-28.46	56.00	7.10	10.28	10.16	QP
11	0.99	22.23	-23.77	46.00	1.80	10.27	10.16	Average
12 *	0.99	34.92	-21.08	56.00	14.49	10.27	10.16	QP

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FCC Test Report No. : FC450610

Toot Engineer	Vulsi Ton	~				Tem	peratu	re:	22~24°C
Test Engineer :	Yuki Tang Relative Humidity						ımidity :	44~50%	
Test Voltage :	120Vac /	60Hz				Pha	se:		Neutral
Remark :	All emiss	ions no	t reporte	ed here a	are more	e than 10	dB bel	ow the pre	escribed limit.
400 ^L	evel (dBuV)							Date: 2024-	07-12
100									
90									
80									
80									
70									
								FCC 15B	S OP
60									
50								FCC 15B	AVG
2	Conversal		++++						
40	"Amay have	Munda	J. J.	2					
30		Mary Mary	ANN ALAM	What walk	ومالهم وطاور لوساية	MAN ANNA MANA	1-quality appropriate	mandayah madelah da	and the house
30	3		10	1					
20	5								
10									
0									
00.	.15	0.5	1		2 ency (MHz)	5	10	20	30
Site Conditio	: CO01-S		LISN 100	0063_N М	EUTRAL				
				Limit			Cable		
	Freq	Level	Limit	Line	Level	Factor	Loss	Remark	
_	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.16		-25.48					Average	
2 *	0.16		-20.98						
3 4	0.23 0.23		-29.82 -22.72		2.40 19.50	10.20 10.20		Average OP	
5	0.31		-30.35					Average	
6	0.31		-25.85				10.15		
7 8	0.44		-26.10 -27.00		9.90	10.01		Average OP	
9	0.44							Average	
10	0.82		-29.18			10.26			
11	1.03		-23.22		2.40			Average	
12	1.03	34.98	-21.02	56.00	14.60	10.22	10.16	QP	

Note:

- 1. Level(dB μ V) = Read Level(dB μ V) + LISN Factor(dB) + Cable Loss(dB)
- 2. Over Limit(dB) = Level(dB μ V) Limit Line(dB μ V)

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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.

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.
- 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 $(dB\mu V/m) = 20 \log Emission level (\mu V/m)$
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level

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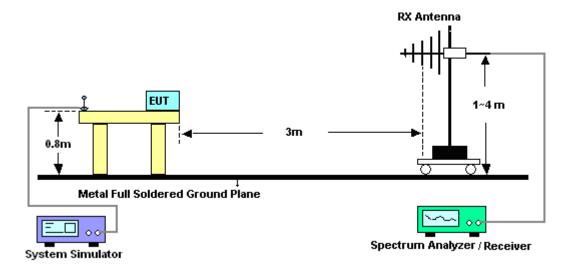
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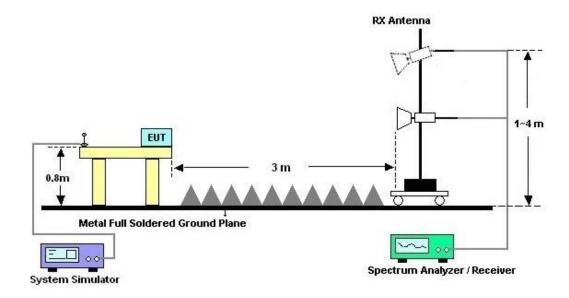
10. Exploratory radiated emissions testing of handheld and/or body-worn devices shall include rotation of the EUT through three orthogonal axes (X/Y/Z Plane) to determine the orientation (attitude) that maximizes the emissions.

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

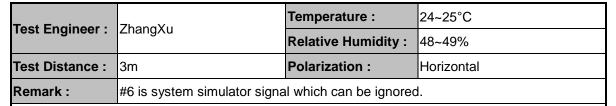


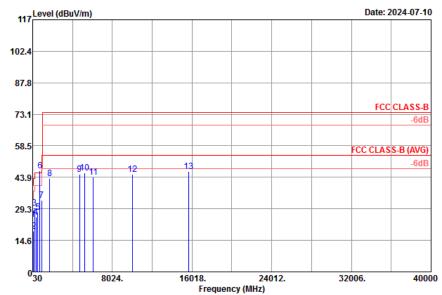
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3.2.5. Test Result of Radiated Emission





Site : 03CH04-5Z

Condition : FCC CLASS-B 3m LF_ANT_41909 HORIZONTAL

	: y										
			0ver	Limit	ReadA	ntenna	Cable	Preamp	A/Pos	T/Pos	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	Cm	deg	
1	30.00	24.40	-15.60	40.00	30.18	25.29	0.53	31.60			Peak
2	109.54	18.86	-24.64	43.50	32.76	16.89	1.07	31.86			Peak
3	217.21	29.58	-16.42	46.00	43.34	16.33	1.51	31.60			Peak
4	375.32	25.56	-20.44	46.00	33.55	21.42	2.04	31.45			Peak
5	558.65	27.58	-18.42	46.00	29.93	26.35	2.48	31.18			Peak
6	* 737.13	47.09			47.16	28.30	2.83	31.20			Peak
7	934.04	33.20	-12.80	46.00	29.95	30.87	3.21	30.83			Peak
8	1730.00	43.27	-30.73	74.00	42.57	30.04	4.61	33.95			Peak
9	4735.00	45.41	-28.59	74.00	33.81	35.56	8.79	32.75			Peak
10	5230.00	46.10	-27.90	74.00	34.04	36.06	8.65	32.65			Peak
11	6120.00	44.05	-29.95	74.00	29.67	36.65	10.63	32.90			Peak
12	10056.00	45.38	-28.62	74.00	27.76	38.62	11.84	32.84			Peak
13	15684.00	46.53	-27.47	74.00	25.06	40.85	14.66	34.04			Peak

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Tool Funinger	ZhanaV	Temp	eratur	e:	24~	-25°C					
Test Engineer :	ZhangX	InangAu				ve Hu	midity	: 48~	48~49%		
Test Distance :	3m		Polarization :					Ver	Vertical		
Remark :			mulato	r signa	Il which can be ignored.						
	117 Level (dB	uV/m)							Date:	2024-07-	10
1	02.4										
	87.8										
									FC	C CLASS	В
	73.1									-60	
	58.5								FCC CLA		
	43 0 0 8 9	1011		12	13					-60	В
	43.9										
	29.3										
	29.3										
	14.6										
	14.0										
	لللللا										
	030	80	024.	16	018. Freque	24 ncy (MHz)	1012.	32	2006.	40	000
Site	: 03	3CH04-52	<u> </u>								
Condit	ion : Fo	CC CLASS	5-B 3m LF	_ANT_41	909 VER	TICAL					
	: У		Oven	Limit	Road/	ntonna	Cable	Dnoamn	A/Pos	T/Doc	
	Freq	Level			Level			Factor	A) 103	1/105	Remark
		4D. A.V.		4D. 317-	- ID-A						
	MHZ	dBuV/m	ав	dBuV/m	dBuV	dB/m	dB	dB	CM	deg	
1											
_	30.97	26.76	-13.24	40.00	33.06	24.78	0.54	31.62			Peak
2	77.53	25.58	-14.42	40.00	43.23	13.27	0.88	31.80			Peak
3	77.53 217.21	25.58 29.59	-14.42 -16.41	40.00 46.00	43.23 43.35	13.27 16.33	0.88 1.51	31.80 31.60			Peak Peak
3 4	77.53 217.21 620.73	25.58 29.59 28.12	-14.42 -16.41 -17.88	40.00	43.23 43.35 30.25	13.27 16.33 26.41	0.88 1.51 2.60	31.80 31.60 31.14			Peak Peak Peak
3 4 5 *	77.53 217.21 620.73 737.13	25.58 29.59 28.12 46.77	-14.42 -16.41 -17.88	40.00 46.00 46.00	43.23 43.35 30.25 46.84	13.27 16.33 26.41 28.30	0.88 1.51 2.60 2.83	31.80 31.60 31.14 31.20			Peak Peak Peak Peak
3 4 5 * 6	77.53 217.21 620.73 737.13 811.82	25.58 29.59 28.12 46.77 29.94	-14.42 -16.41 -17.88	40.00 46.00 46.00	43.23 43.35 30.25 46.84 29.27	13.27 16.33 26.41 28.30 28.80	0.88 1.51 2.60 2.83 2.97	31.80 31.60 31.14 31.20 31.10			Peak Peak Peak Peak Peak
3 4 5 * 6 7	77.53 217.21 620.73 737.13 811.82 955.38	25.58 29.59 28.12 46.77 29.94 34.89	-14.42 -16.41 -17.88 -16.06 -11.11	40.00 46.00 46.00 46.00	43.23 43.35 30.25 46.84 29.27 31.16	13.27 16.33 26.41 28.30 28.80 31.30	0.88 1.51 2.60 2.83 2.97 3.24	31.80 31.60 31.14 31.20 31.10 30.81			Peak Peak Peak Peak Peak Peak
3 4 5 * 6 7 8	77.53 217.21 620.73 737.13 811.82 955.38 1835.00	25.58 29.59 28.12 46.77 29.94 34.89 42.00	-14.42 -16.41 -17.88 -16.06 -11.11 -32.00	40.00 46.00 46.00 46.00 46.00 74.00	43.23 43.35 30.25 46.84 29.27 31.16 40.69	13.27 16.33 26.41 28.30 28.80 31.30 30.34	0.88 1.51 2.60 2.83 2.97 3.24	31.80 31.60 31.14 31.20 31.10 30.81 33.70			Peak Peak Peak Peak Peak Peak Peak
3 4 5 * 6 7	77.53 217.21 620.73 737.13 811.82 955.38	25.58 29.59 28.12 46.77 29.94 34.89 42.00 42.86	-14.42 -16.41 -17.88 -16.06 -11.11 -32.00 -31.14	40.00 46.00 46.00 46.00 74.00 74.00	43.23 43.35 30.25 46.84 29.27 31.16 40.69	13.27 16.33 26.41 28.30 28.80 31.30 30.34 32.54	0.88 1.51 2.60 2.83 2.97 3.24 4.67	31.80 31.60 31.14 31.20 31.10 30.81 33.70			Peak Peak Peak Peak Peak Peak
3 4 5 * 6 7 8 9	77.53 217.21 620.73 737.13 811.82 955.38 1835.00 3475.00	25.58 29.59 28.12 46.77 29.94 34.89 42.00 42.86 44.65	-14.42 -16.41 -17.88 -16.06 -11.11 -32.00 -31.14 -29.35	40.00 46.00 46.00 46.00 74.00 74.00 74.00	43.23 43.35 30.25 46.84 29.27 31.16 40.69 37.11 30.90	13.27 16.33 26.41 28.30 28.80 31.30 30.34 32.54 36.29	0.88 1.51 2.60 2.83 2.97 3.24 4.67 6.61	31.80 31.60 31.14 31.20 31.10 30.81 33.70 33.40			Peak Peak Peak Peak Peak Peak Peak Peak
3 4 5 * 6 7 8 9	77.53 217.21 620.73 737.13 811.82 955.38 1835.00 3475.00 5780.00	25.58 29.59 28.12 46.77 29.94 34.89 42.00 42.86 44.65 43.91 45.22	-14.42 -16.41 -17.88 -16.06 -11.11 -32.00 -31.14 -29.35 -30.09 -28.78	40.00 46.00 46.00 46.00 74.00 74.00 74.00	43.23 43.35 30.25 46.84 29.27 31.16 40.69 37.11 30.90 29.43 25.15	13.27 16.33 26.41 28.30 28.80 31.30 30.34 32.54 36.29 36.81 40.27	0.88 1.51 2.60 2.83 2.97 3.24 4.67 6.61 10.17 10.90 13.80	31.80 31.60 31.14 31.20 31.10 30.81 33.70 33.40 32.71			Peak Peak Peak Peak Peak Peak Peak Peak

Note:

- 1. Level($dB\mu V/m$) = Read Level($dB\mu V$) + 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	ESR7	101630	9kHz~7GHz;	Jul. 03, 2024	Jul. 11, 2024~ Jul. 12, 2024	Jul. 02, 2025	Conduction (CO01-SZ)
AC LISN	R&S	ENV216	100063	9kHz~30MHz	Aug. 21, 2023	Jul. 11, 2024~ Jul. 12, 2024	Aug. 20, 2024	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 16, 2023	Jul. 11, 2024~ Jul. 12, 2024	Oct. 15, 2024	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	61602000089 1	100Vac~250Vac	Jul. 04, 2024	Jul. 11, 2024~ Jul. 12, 2024	Jul. 03, 2025	Conduction (CO01-SZ)
EMI Test Receiver	R&S	ESR7	102261	9kHz~7GHz	Apr. 09, 2024	Jul. 10, 2024	Apr. 08, 2025	Radiation (03CH05-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071191	10Hz~44GHz	Apr. 09, 2024	Jul. 10, 2024	Apr. 08, 2025	Radiation (03CH05-SZ)
Log-periodic Antenna	SCHWARZBE CK	VULB 9168	01001	20MHz~1.5GHz	Apr. 26, 2024	Jul. 10, 2024	Apr. 25, 2025	Radiation (03CH05-SZ)
Amplifier	EM Electronics	EM330	060756	0.01Hz ~3000MHz	Apr. 09, 2024	Jul. 10, 2024	Apr. 08, 2025	Radiation (03CH05-SZ)
Double Ridge Horn Antenna	SCHWARZBE CK	BBHA9120D	9120D-2206	1GHz~18GHz	Apr. 09, 2024	Jul. 10, 2024	Apr. 08, 2025	Radiation (03CH05-SZ)
HF Amplifier	EM Electronics	EM01G18GA	060781	1GHz~18GHz	Apr. 09, 2024	Jul. 10, 2024	Apr. 08, 2025	Radiation (03CH05-SZ)
HF Amplifier	EM Electronics	EM18G40G	060778	18GHz~40GHz	Apr. 09, 2024	Jul. 10, 2024	Apr. 08, 2025	Radiation (03CH05SZ)
Horn Antenna	SCHWARZBE CK	BBHA9170	00983	15GHz~40GHz	Apr. 09, 2024	Jul. 10, 2024	Apr. 08, 2025	Radiation (03CH05-SZ)
AC Power Source	APC	AFV-S-600	F119050013	N/A	Oct. 18, 2023	Jul. 10, 2024	Oct. 17, 2024	Radiation (03CH05-SZ)
Turn Table	EMEC	T-200-S-1	060925-T	0~360 degree	NCR	Jul. 10, 2024	NCR	Radiation (03CH05-SZ)
Antenna Mast	EMEC	MBS-400-1	060927	1 m~4 m	NCR	Jul. 10, 2024	NCR	Radiation (03CH05-SZ)

NCR: No Calibration Required

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5. Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence	2.5dB
of 95% (U = 2Uc(y))	2.3ub

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence	4.2dB
of 95% (U = 2Uc(y))	4.2ub

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

Measuring Uncertainty for a Level of Confidence	5.1dB
of 95% (U = 2Uc(y))	3.1 u B

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

Measuring Uncertainty for a Level of Confidence	4.1dB
of 95% (U = 2Uc(y))	4.1ub

----- THE END -----

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