

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200051201

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# TEST REPORT

Application No.: SZCR2302000512AT

Applicant: Xiaomi Communications Co., Ltd.

Address of Applicant: #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing,

China, 100085

Manufacturer: Xiaomi Communications Co., Ltd.

Address of Manufacturer: #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing,

China, 100085

**Equipment Under Test (EUT):** 

EUT Name: Tablet Computer Model No.: 23043RP34G

Trade Mark: XIAOMI

FCC ID: 2AFZZRP34G

Standard(s): 47 CFR Part 15, Subpart C

**Date of Receipt:** 2023-02-28

**Date of Test:** 2023-03-03 to 2023-03-14

**Date of Issue:** 2023-03-15

Test Result: Pass\*

Keny Xu EMC Laboratory Manager

Ceny. xu



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<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



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	Revision Record						
Version	Chapter	Date	Modifier	Remark			
01		2023-03-15		Original			

Authorized for issue by:			
	Leslai		
	Leo Lai/Project Engineer		
	Exic Fu		
	Eric Fu/Reviewer	-	



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#### 2 **Test Summary**

Radio Spectrum Technical Requirement					
Item	Standard	Method	Requirement	Result	
Antenna Requirement	47 CFR Part 15, Subpart C	N/A	47 CFR Part 15, Subpart C 15.203	Pass	

Radio Spectrum Matter Part						
Item	Standard	Method	Requirement	Result		
Conducted Emissions at AC Mains Power Port (150kHz-30MHz)		ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass		
Radiated Emissions (30MHz-1GHz)		ANSI C63.10 (2013) Section 6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass		
Radiated Emissions (9kHz-30MHz)	47 CFR Part 15, Subpart C	ANSI C63.10 (2013) Section 6.4	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass		
20dB Bandwidth		ANSI C63.10 (2013) Section 6.9.2	47 CFR Part 15, Subpart C 15.215	Pass		
Restricted Bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205	Pass		



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# **General Information**

### Details of E.U.T.

Power supply:	DC 3.87V from internal rechargeable battery which can be charge by AC/DC adapter
Operation frequency:	110KHz to 148KHz
Modulation type:	ASK
Antenna type:	Rod coil antenna

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Smart Pen	Mi	23031MPADC	

### 4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Mains Power Port (150kHz-30MHz)	± 2.9dB (150kHz to 30MHz)
Radiated Emissions (30MHz-1GHz)	± 4.8dB
Radiated Emissions (9kHz-30MHz)	± 3.1dB
20dB Bandwidth	± 0.3%
Restricted Bands	± 0.3%

#### Remark:

The Ulab (lab Uncertainty) is less than Ucispr/ETSI (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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#### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Fax: +86 755 2671 0594 Tel: +86 755 2601 2053

No tests were sub-contracted.

### 4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

### A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA), Certificate No. 3816.01.

#### VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

#### FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

#### • Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

### 4.6 Deviation from Standards

None

### **Abnormalities from Standard Conditions**

None



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#### **Equipment List** 5

Conducted Emissions at AC Mains Power Port (150kHz-30MHz)						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13	
EMI Test Receiver	Rohde&Schwarz	ESCI	SEM004-02	2022-03-23	2023-03-22	
Measurement Software	AUDIX	e3 V8.2014-6- 27a	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM024-01	2022-07-08	2023-07-07	
LISN	Rohde&Schwarz	ENV216	SEM007-01	2022-09-20	2023-09-19	
LISN	ETS-LINDGREN	3816/2	SEM007-02	2022-03-23	2023-03-22	

Radiated Emissions (30MHz-1GHz)						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020-07-19	2023-07-18	
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2022-10-20	2023-10-19	
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2022-03-22	2023-03-21	
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM025-01	2022-07-08	2023-07-07	

Radiated Emissions (9kHz-30MHz)											
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date						
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2021-03-27	2024-03-26						
MXE EMI receiver	KEYSIGHT	N9038A	SEM004-16	2022-10-20	2023-10-19						
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-18	2021-10-28	2023-10-27						
Pre-amplifier	Sonoma Instrument Co	310N	SEM005-04	2022-04-07	2023-04-06						
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2021-11-30	2023-11-29						
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A						
Coaxial Cable	SGS	N/A	SEM029-01	2022-07-08	2023-07-07						



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20dB Bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Zhao Xin	PS-305D	SEM011-13	2022-09-21	2023-09-20
Spectrum Analyzer	Rohde & Schwarz	FSP30	SEM004-06	2022-09-22	2023-09-21
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2022-04-07	2023-04-06

Restricted Bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Zhao Xin	PS-305D	SEM011-13	2022-09-21	2023-09-20
Spectrum Analyzer	Rohde & Schwarz	FSP30	SEM004-06	2022-09-22	2023-09-21
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2022-04-07	2023-04-06

General used equipmen	t				
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2022-09-04	2023-09-03
Humidity/ Temperature Indicator	Anymetre	TH101B	SEM002-09	2022-09-04	2023-09-03
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2022-03-28	2023-03-27



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#### **Radio Spectrum Technical Requirement** 6

### 6.1 Antenna Requirement

### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

### 6.1.2 Conclusion

#### Standard Requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

### 15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### **EUT Antenna:**

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 0dBi.

Antenna location: Refer to internal photo.



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# **Radio Spectrum Matter Test Results**

### 7.1 Conducted Emissions at AC Mains Power Port (150kHz-30MHz)

47 CFR Part 15, Subpart C 15.207 Test Requirement Test Method: ANSI C63.10 (2013) Section 6.2

### Limit:

	Conducted limit(dBμV)						
Frequency of emission(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.							

### 7.1.1 E.U.T. Operation

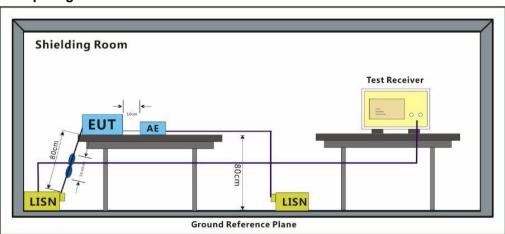
Operating Environment:

Temperature: 23.8 °C Humidity: 48 % RH Atmospheric Pressure: 1015 mbar

### 7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charging mode_Keep the Pen in charging mode

### 7.1.3 Test Setup Diagram





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#### 7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50µH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor



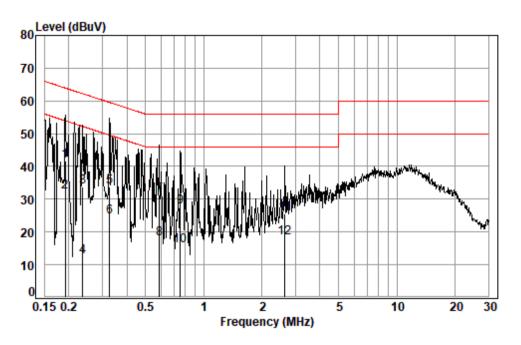


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Test Mode: 00; Line: Live line



: Shielding Room

Condition: Line Job No. : 00512AT

Test mode: 00

		Cable	LISN	Read		Limit	0ver	
	Freq	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1924	0.03	9.65	32.05	41.73	63.93	-22.20	QP
2 *	0.1924	0.03	9.65	22.64	32.32	53.93	-21.61	Average
3	0.2366	0.04	9.64	24.07	33.75	62.22	-28.47	QP
4	0.2366	0.04	9.64	2.70	12.38	52.22	-39.84	Average
5	0.3251	0.05	9.63	24.08	33.76	59.57	-25.81	QP
6	0.3251	0.05	9.63	14.86	24.54	49.57	-25.03	Average
7	0.5885	0.06	9.64	21.58	31.28	56.00	-24.72	QP
8	0.5885	0.06	9.64	8.25	17.95	46.00	-28.05	Average
9	0.7589	0.06	9.65	18.09	27.80	56.00	-28.20	QP
10	0.7589	0.06	9.65	5.97	15.68	46.00	-30.32	Average
11	2.6360	0.12	9.68	15.63	25.43	56.00	-30.57	QP
12	2.6360	0.12	9.68	8.40	18.20	46.00	-27.80	Average



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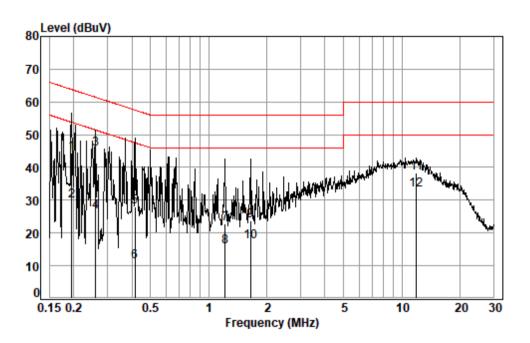


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Test Mode: 00; Line: Neutral Line



: Shielding Room

Condition: Neutral Job No. : 00512AT

Test mode: 00

		Cable	LISN	Read		Limit	0ver	
	Freq	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1955	0.03	9.71	34.80	44.54	63.80	-19.26	QP
2	0.1955	0.03	9.71	20.11	29.85	53.80	-23.95	Average
3 *	0.2603	0.04	9.68	36.04	45.76	61.42	-15.66	QP
4	0.2603	0.04	9.68	16.73	26.45	51.42	-24.97	Average
5	0.4148	0.05	9.70	18.17	27.92	57.55	-29.63	QP
6	0.4148	0.05	9.70	1.55	11.30	47.55	-36.25	Average
7	1.2162	0.08	9.71	13.05	22.84	56.00	-33.16	QP
8	1.2162	0.08	9.71	5.95	15.74	46.00	-30.26	Average
9	1.6450	0.09	9.71	13.85	23.65	56.00	-32.35	QP
10	1.6450	0.09	9.71	7.46	17.26	46.00	-28.74	Average
11	11.9328	0.18	9.94	28.21	38.33	60.00	-21.67	QP
12 *	11.9328	0.18	9.94	23.19	33.31	50.00	-16.69	Average



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### 7.2 Radiated Emissions (30MHz-1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

ANSI C63.10 (2013) Section 6.5 Test Method:

Measurement Distance: 3m

#### Limit:

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

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector.

#### 7.2.1 E.U.T. Operation

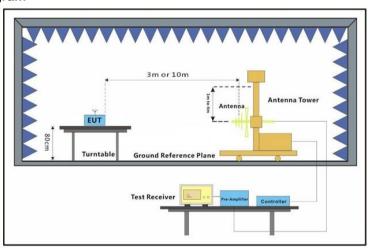
**Operating Environment:** 

Temperature: 23.5 °C Humidity: 47.6 % RH Atmospheric Pressure: 1015 mbar

### 7.2.2 Test Mode Description

11212 100111		561.[61.61.
Pre-scan / Final test	Mode Code	Description
Final test	00	Charging mode_Keep the Pen in charging mode

### 7.2.3 Test Setup Diagram





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#### 7.2.4 Measurement Procedure and Data

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground for below 1GHz at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



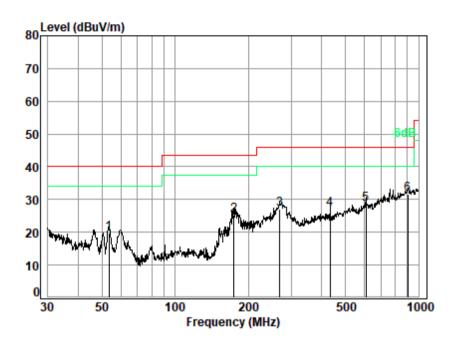


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Test Mode: 00; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 00512AT

Test Mode: 00

: 1#

	Freq	Ant Factor		Preamp Factor					Remark
-	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	53.51	12.08	0.81	27.15	33.93	19.67	40.00	-20.33	QP
2	174.42	14.52	1.55	26.70	36.02	25.39	43.50	-18.11	QP
3	269.43	17.85	1.99	26.32	33.62	27.14	46.00	-18.86	QP
4	434.07	21.29	2.59	26.60	29.87	27.15	46.00	-18.85	QP
5	607.79	25.62	3.14	27.07	26.95	28.64	46.00	-17.36	QP
6 a	903.31	28.61	4.04	25.89	24.78	31.54	46.00	-14.46	OP



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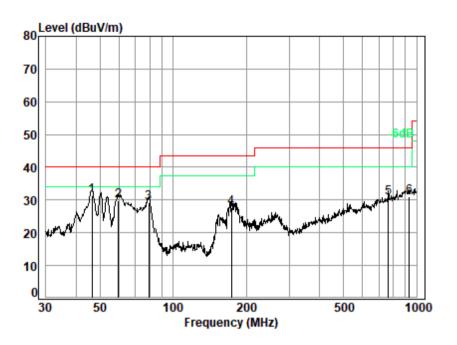


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Test Mode: 00; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 00512AT

Test Mode: 00

: 1#

	Freq	Ant Factor		Preamp Factor					Remark
_	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	——dB	
1 q	46.34	13.25	0.75	27.18	44.47	31.29	40.00	-8.71	QP
2	59.44	11.31	0.85	27.14	44.81	29.83	40.00	-10.17	QP
3	79.52	10.66	1.01	27.07	44.55	29.15	40.00	-10.85	QP
4	173.81	14.47	1.55	26.70	38.34	27.66	43.50	-15.84	QP
5	766.06	26.65	3.58	26.44	26.98	30.77	46.00	-15.23	QP
6	935.55	28.55	4.11	25.76	24.25	31.15	46.00	-14.85	QP



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### 7.3 Radiated Emissions (9kHz-30MHz)

Test Requirement 47 CFR Part 15. Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4

Measurement Distance: 10m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz. Radiated emission limits in these three bands are based on measurements employing an average detector. the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

If field strength is measured at only a single point, then that point shall be at the radial from the EUT that produces the maximum emission at the frequency being measured, as described in 5.4. If that point is closer to the EUT than  $\lambda/2\pi$  and the limit distance is greater than  $\lambda/2\pi$ , the measurement shall be extrapolated to the limit distance by conservatively presuming that the field strength decreases at a 40 dB/decade of distance rate to the  $\lambda/2\pi$  distance, and at a 20 dB/decade of distance rate beyond  $\lambda/2\pi$ . This shall be accomplished using Equation (2):

$$FS_{(10m)} = FS_{(30/300m)} + 40log\{d_{(near field)}/d_{(10m)}\} + 20log\{d_{(30/300m)}/d_{(near field)}\}$$
(2)

If the single point measured is at a distance greater than  $\lambda/2\pi$ , then extrapolation to the limit distance shall be calculated using Equation (3):

$$FS_{(10m)} = FS_{(30/300m)} + 20log\{d_{(30/300m)}/d_{(10m)}\}$$
(3)

If both the single point and the limit distance are equal to or closer to the EUT than  $\lambda/2\pi$ , then extrapolation to the limit distance shall be calculated using Equation (4):

$$FS_{(10m)} = FS_{(30/300m)} + 40log\{d_{(30/300m)}/d_{(10m)}\}$$
(4)

Remark:

 $d_{near field} = 47.77 / f_{MHz}$ 

where f<sub>MHz</sub> is the frequency of the emission being measured in MHz.



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### 7.3.1 E.U.T. Operation

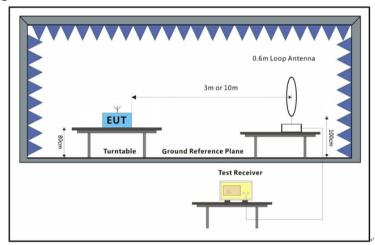
Operating Environment:

Temperature: 24.6 °C Humidity: 47.1 % RH Atmospheric Pressure: 1015 mbar

#### 7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charging mode_Keep the Pen in charging mode

#### 7.3.3 Test Setup Diagram



### 7.3.4 Measurement Procedure and Data

- a. All radiated emission measurements in terms of magnetic field strength shall be performed with a shielded loop antenna.
- b. For all radiated emission measurements in terms of magnetic field strength, the loop antenna were placed such that:
- i. its centre shall be at 1.3 m height above the ground plane;
- ii. the projection of its centre onto the ground plane shall be at the specified measurement distance from the projection on the ground plane of the closest point on the boundary of the equipment under test (EUT); and
- iii. measurements shall be performed with the loop antenna placed vertically, in turn, in two polarizations (the measurement axis specified below is the line segment connecting the projections on the ground plane of the centre of the loop antenna and the centre of the EUT arrangement):
- · coaxial (loop plane perpendicular to the ground plane and to the measurement axis); and
- · coplanar (loop plane perpendicular to the ground plane and coplanar with the measurement axis).



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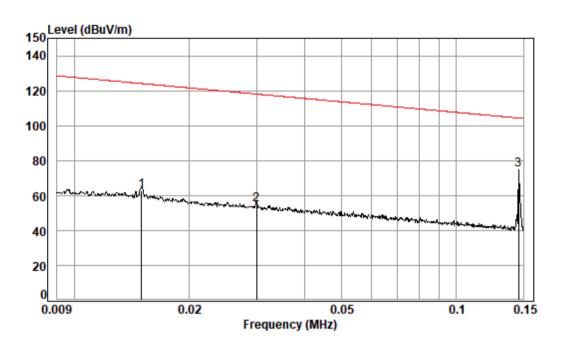
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Condition: 3m

Job No. : 00512AT

Test Mode: 00

	Freq		Ant Factor						Remark	
-	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	0.015	78.32	15.97	0.09	31.71	62.67	124.10	-61.43	Average	
2	0.030	75.22	12.07	0.10	32.41	54.98	118.06	-63.08	Average	
3 pp	0.146	96.40	10.42	0.17	32.50	74.49	104.33	-29.84	Average	



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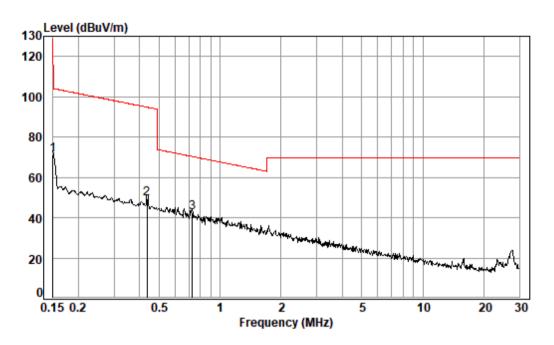
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Condition: 3m

Job No. : 00512AT

Test Mode: 00

	Freq		Ant Factor						Remark
-	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 av	0.150	92.95	10.41	0.17	32.50	71.03	104.08	-33.05	Average
2	0.437	71.65	10.31	0.21	32.50	49.67	94.79	-45.12	Average
3 pp	0.731	64.36	10.29	0.26	32.50	42.41	70.32	-27.91	OP



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### 7.4 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215 Test Method: ANSI C63.10 (2013) Section 6.9.2

Limit:

For report reference only

### 7.4.1 E.U.T. Operation

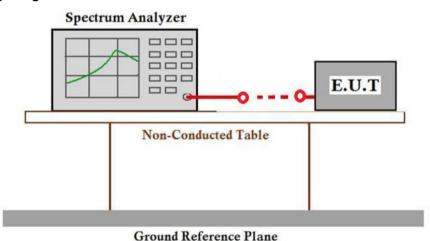
Operating Environment:

Temperature: 23.1 °C Humidity: 41.8 % RH Atmospheric Pressure: 1015 mbar

### 7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charging mode_Keep the Pen in charging mode

### 7.4.3 Test Setup Diagram



### 7.4.4 Measurement Procedure and Data



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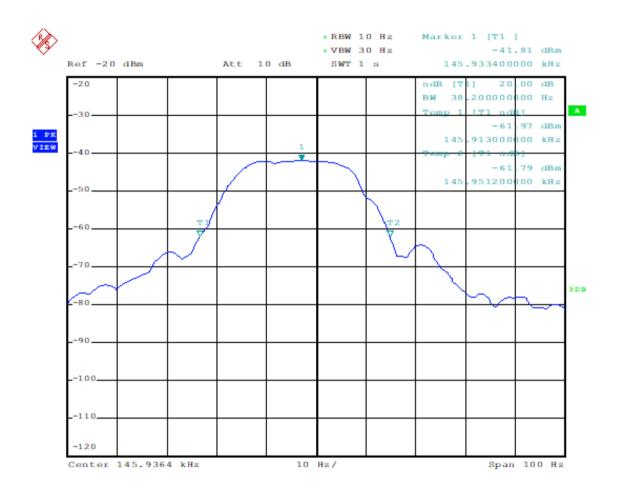
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### 7.5 Restricted Bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 ANSI C63.10 (2013) Section 6.10.5 Test Method:

Limit:

The fundamental wave could not fall in the restricted band 90KHz-110KHz

### 7.5.1 E.U.T. Operation

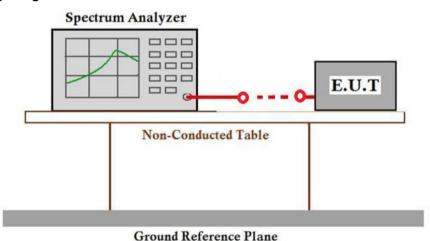
Operating Environment:

Temperature: 23.1 °C Humidity: 41.7 % RH Atmospheric Pressure: 1015 mbar

### 7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charging mode_Keep the Pen in charging mode

### 7.5.3 Test Setup Diagram



### 7.5.4 Measurement Procedure and Data



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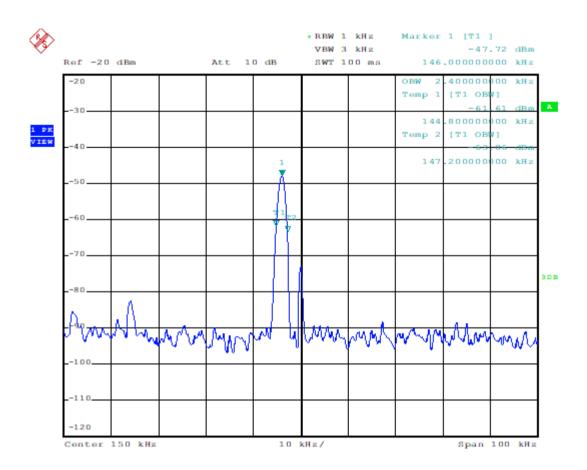
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#### 8 **Test Setup Photo**

Refer to Appendix - Test Setup Photo for SZCR2302000512AT

#### **EUT Constructional Details (EUT Photos)** 9

Refer to Appendix - Photographs of EUT Constructional Details for SZCR2302000512AT

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