

TEST REPORT

Report No...... : **ATA26031806E**
FCC ID..... : **2BVK2-SP-LI701**
Applicant..... : Zhengzhou Chijing Intelligent Technology Co., Ltd.
Address..... : No. 892, 2nd Building, 25th Floor, No. 70, Factory Road, High-tech Industrial Development Zone, Zhengzhou City, Henan Province
Manufacturer..... : Zhengzhou Chijing Intelligent Technology Co., Ltd.
Address..... : No. 892, 2nd Building, 25th Floor, No. 70, Factory Road, High-tech Industrial Development Zone, Zhengzhou City, Henan Province
Product Name..... : **pool monitor**
Trade Mark..... : N/A
Model/Type reference..... : SP-Li701
Listed Model(s)..... : SP-Li201--SP-Li209, SP-Li301--SP-Li309, SP-Li401--SP-Li409, SP-Li501--SP-Li509, SP-Li601--SP-Li609, SP-Li702--SP-Li609, SP-Li801--SP-Li809, SP-Li901--SP-Li909
Standard..... : **FCC CFR Title 47 Part 15 Subpart C Section 15.231 (e)**
Test procedure..... : **IEEE/ANSI C63.10-2020**
Date of Receipt..... : Mar. 25, 2026
Date of Test Date..... : Mar. 25, 2026-Apr.17,2026
Date of issue..... : Apr.17,2026
Test result..... : **Pass**

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Testing Laboratory Name..... : **Shenzhen ATA Testing Lab. Inc**

Address..... :

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1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.231: Periodic operation in the band 40.66–40.70 MHz and above 70 MHz.

ANSI C63.10-2020: American National Standard for Testing Unlicensed Wireless Devices.

1.2. Report version

Revised No.	Date of issue	Description
01	Apr.17,2026	Original

1.3. Test Description

FCC Rules Part 15.231			
Test Item	Standard Section	Result	Remark
	FCC		
Antenna requirement	15.203	Pass	
Conducted Emissions	15.207	Pass	
Radiated Spurious Emissions	15.205/15.209(a)/15.231(e)/15.35(c)	Pass	
Deactivation Time	15.231(e)	Pass	
Occupied Bandwidth	15.231(c)	Pass	

Note: 1. The measurement uncertainty is not included in the test result.

2.N/A: means this test item is not applicable

1.4. Test Facility

Test Site	Shenzhen ATA Testing Lab. Inc
Test Site Location	4th Floor, Building 10, No.60 Nanchang Road, Nanchang Community, Xixiang Street, Bao'an District, Shenzhen City, China
Telephone:	+86 0755-2783-0095
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The test facility is recognized, certified, or accredited by the following organizations:	A2LA Accreditation Lab Certificate Number: 839205
	FCC Accredited Lab Designation Number: CN1455

1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the Shenzhen ATA Testing Lab. Inc. system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device. Below is the best measurement capability for Shenzhen ATA Testing Lab. Inc.

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	± 0.58 dB	(1)
Conducted spurious emissions	± 1.60 dB	(1)
Conducted Emissions 9kHz~30MHz	± 2.70 dB	(1)
Radiated Emissions 30~1000MHz	± 5.432 dB	(1)
Radiated Emissions 1~18GHz	± 3.88 dB	(1)
Radiated Emissions 18~40GHz	± 5.32 dB	(1)
Occupied Bandwidth	$\pm 0.463\%$	(1)
Humidity	$\pm 2.0\%$ RH	(1)
Temperature	$\pm 0.6^{\circ}\text{C}$	(1)
Barometric pressure	0.5hPa	(1)

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

1.6. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
Relative Humidity:	30~60 %
Air Pressure:	950~1050mba

2. GENERAL INFORMATION

2.1. General Description of EUT

Product Name:	pool monitor
Model/Type reference:	SP-Li701
Trademark:	N/A
Series Model::	SP-Li201--SP-Li209,SP-Li301--SP-Li309,SP-Li401--SP-Li409, SP-Li501--SP-Li509,SP-Li601--SP-Li609,SP-Li702--SP-Li609, SP-Li801--SP-Li809,SP-Li901--SP-Li909
Model Difference:	The above-mentioned products share the same circuitry, PCB layout, electrical components, materials, circuit structure and decorative accessories' materials, but they differ in color.
Power Source:	Input Voltage: DC 5V1A
Adpater	Model:K01 Input:110-240V 50/60Hz 150mA Output:5.0-- 1.0A
Battery	3.7V 3200mAh
Hardware version:	V1.0
Software version:	V1.0
RF Specification	
Operation frequency:	433.1MHz
Modulation Type:	FSK
Channel number:	1
Antenna type:	Spring antenna
Antenna gain:	1.0dBi
Note:(1)All antenna information is provided by the manufacturer, test laboratory will not be responsible if any error. (2) 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. "N/A" Indicates inapplicability	

2.2. Test Mode

The EUT was operated at continuous transmitting mode that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

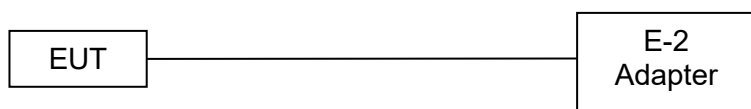
Test Mode	Description	Remark
1	TX	DC 5V

2.3. BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test



AC Conducted Emission Test



RF Conducted Test



2.4. DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Mode/Type	Note
E-2	Adapter	ShenzhenBeiShi DaElectronics Co.,Ltd	K01	N/A

Item	Equipment	Mfr/Brand	Length	Note
C-1	line	N/A	1m	Test use

Note : (1) For detachable type VO cables should be specified the length in cm in Length column.

(2) "YES" means "with core"; "NO" means "without core".

2.5. Measurement Instruments List

RF Test system					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
1	Spectrum Analyzer	Keysight	N9020A	MY50530404	2026.05.07
2	Vector Signal Generator	Agilent	N5182A	MY47420598	2026.05.07
3	Wideband Radio Communication Tester	R&S	CMW500	161163	2026.05.07
4	RF Control Unit	MWRFTest	MW100-RF CB	MW250428ATA-55	2026.05.07

Transmitter spurious emissions & Receiver spurious emissions					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESPI7	100092	2026.05.07
2	High Pass Filter	Chengdu E-Microwave	OHF-3-18-S	0E01901038	2026.05.07
3	High Pass Filter	Chengdu E-Microwave	OHF-6.5-18-S	0E01901039	2026.05.07
4	Spectrum Analyzer	HP	8593E	3831U02087	2026.05.07
5	Ultra-Broadband logarithmic period Antenna	Schwarzbeck	VULB9168	FARAD-3A1.1 +	2026.05.07
6	Loop Antenna	Beijin ZHINAN	ZN30900C	2.0.0.0	2026.05.07
7	Spectrum Analyzer	R&S	FSV40-N	101798	2026.05.07
8	Horn Antenna	Schwarzbeck	BBHA 9120 D	03169	2026.05.07
9	Pre-Amplifier	Schwarzbeck	BBV 9745	9745#129	2026.05.07
10	Pre-Amplifier	EMCI	EMC051835SE	980662	2026.05.07

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
1	LISN	Schwarzbeck	NSLK 8127	01169	2026.05.07
2	EMI Test Receiver	R&S	ESCI3	100930	2026.05.07

Note:

1)The Cal. Interval was one year.

2)The cable loss has calculated in test result which connection between each test instruments.

2.5. Test Software

Software name	Model	Version
Conducted emission Measurement Software	EZ-EMC	FARAD-3A1.1+
Radiated emission Measurement Software	EZ-EMC	FARAD-3A1.1+
Bluetooth and WIFI Test System	MWRF8310	2.0.0.0

3. TEST ITEM AND RESULTS

3.1. Antenna requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C 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. 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.

Test Result

The directional gain of the antenna less than 6dBi, please refer to the EUT internal photographs antenna photo.

Note: The antenna is permanently fixed to the EUT

3.2. Conducted Emission

Limit

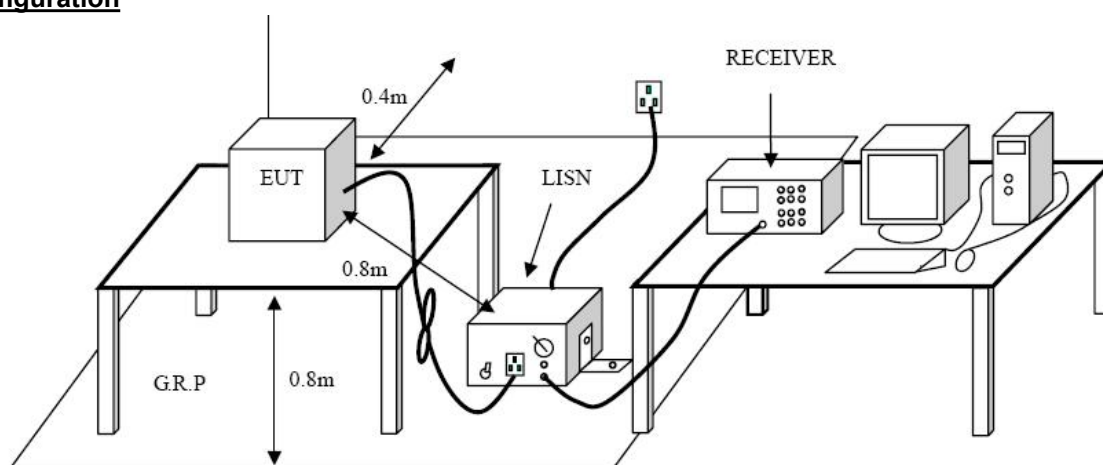
Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage (dB μ V)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

Test Configuration



Test Procedure

1. The EUT was setup according to ANSI C63.10-2020 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
4. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
5. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
6. Conducted Emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
7. During the above scans, the emissions were maximized by cable manipulation.

Test Mode:

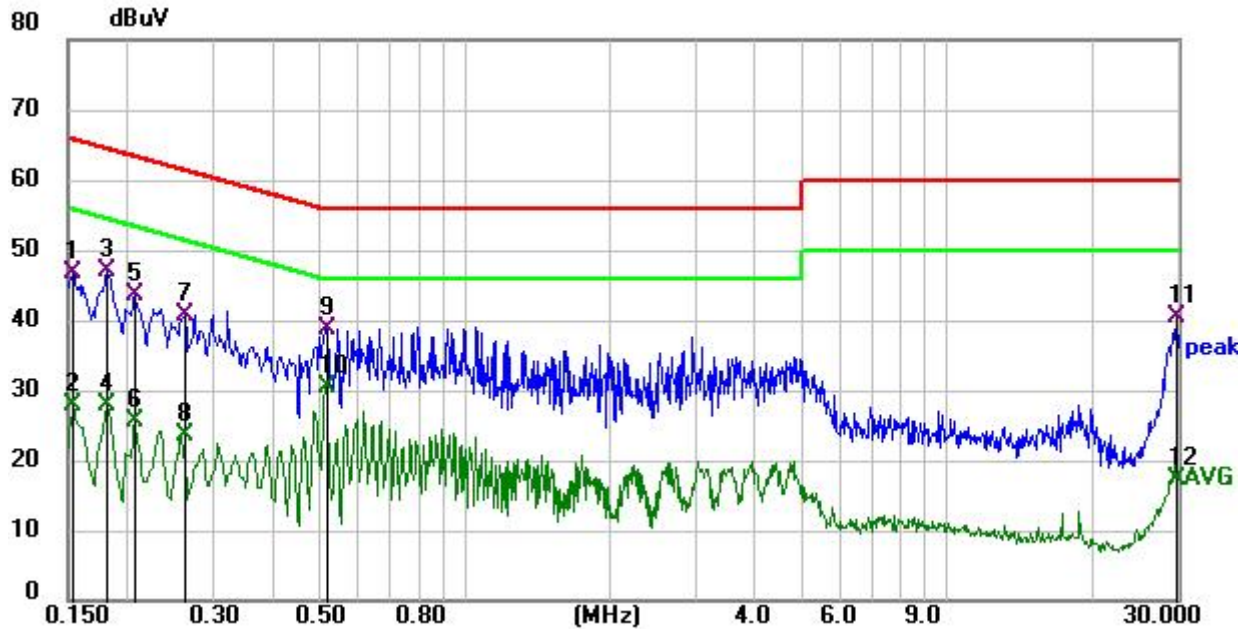
Please refer to the clause 2.3.

Test Results

☒ **Passed**

☐ **Not Applicable**

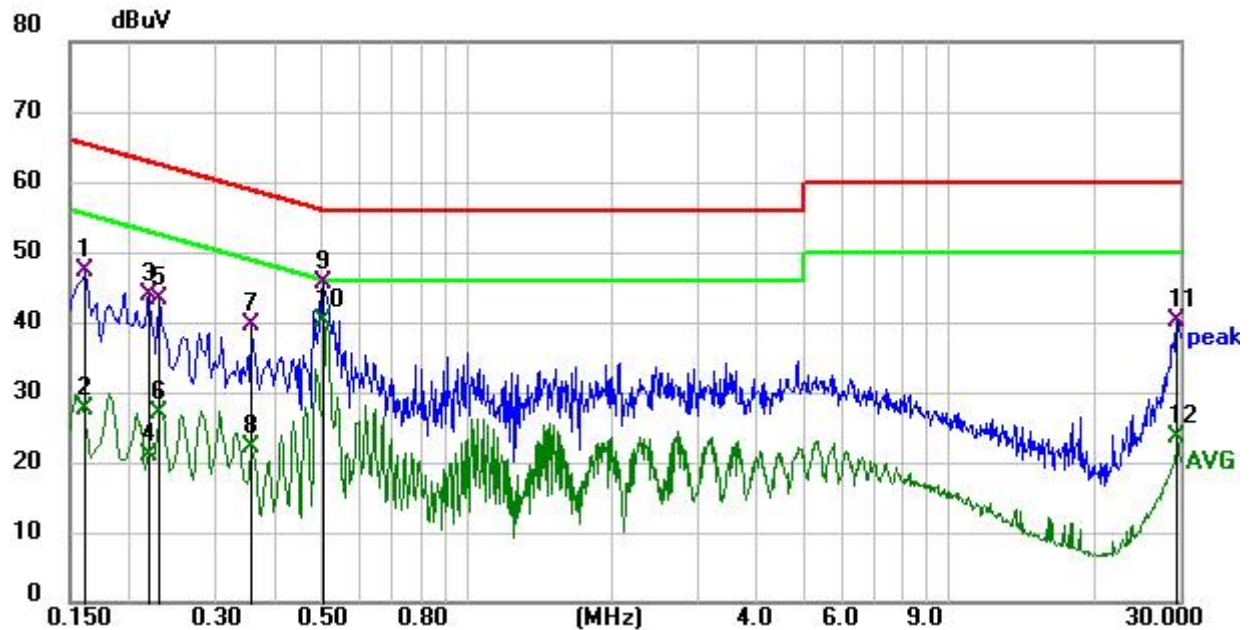
EUT:	pool pool monitor	Model Name:	SP-Li701
Pressure:	1010 hPa	Phase:	L
Temperature	24.8℃	Humidity	52.1%
Test Mode:	Charging+TX	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1539	36.73	10.11	46.84	65.79	-18.95	QP
2	0.1539	17.84	10.11	27.95	55.79	-27.84	AVG
3	0.1819	37.04	10.10	47.14	64.40	-17.26	QP
4	0.1819	17.72	10.10	27.82	54.40	-26.58	AVG
5*	0.2060	33.46	10.10	43.56	63.37	-19.81	QP
6	0.2060	15.52	10.10	25.62	53.37	-27.75	AVG
7	0.2620	30.65	10.11	40.76	61.37	-20.61	QP
8	0.2620	13.49	10.11	23.60	51.37	-27.77	AVG
9	0.5180	28.45	10.13	38.58	56.00	-17.42	QP
10	0.5180	20.42	10.13	30.55	46.00	-15.45	AVG
11	29.9500	30.02	10.40	40.42	60.00	-19.58	QP
12	29.9500	6.87	10.40	17.27	50.00	-32.73	AVG

Remark: 1. All readings are Quasi-Peak and Average values
 2. Margin = Result (Result = Reading + Factor) - Limit
 3. Factor = LISN factor + Cable loss + Limiter (10dB)

EUT:	pool pool monitor	Model Name:	SP-Li701
Pressure:	1010 hPa	Phase:	N
Temperature	24.8°C	Humidity	52.1%
Test Mode:	Charging+TX	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1620	37.17	10.11	47.28	65.36	-18.08	QP
2	0.1620	17.33	10.11	27.44	55.36	-27.92	AVG
3	0.2180	33.89	10.10	43.99	62.89	-18.90	QP
4	0.2180	11.04	10.10	21.14	52.89	-31.75	AVG
5*	0.2300	33.26	10.10	43.36	62.45	-19.09	QP
6	0.2300	16.98	10.10	27.08	52.45	-25.37	AVG
7	0.3580	29.59	10.12	39.71	58.77	-19.06	QP
8	0.3580	12.08	10.12	22.20	48.77	-26.57	AVG
9	0.5020	35.38	10.13	45.51	56.00	-10.49	QP
10	0.5020	29.95	10.13	40.08	46.00	-5.92	AVG
11	29.6940	29.76	10.40	40.16	60.00	-19.84	QP
12	29.6940	13.07	10.40	23.47	50.00	-26.53	AVG

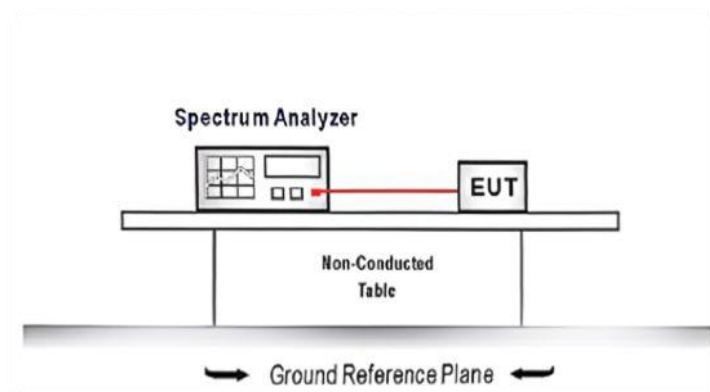
Remark: 1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) - Limit
3. Factor = LISN factor + Cable loss + Limiter (10dB)

3.3. Occupied Bandwidth

Limit

The bandwidth of the emission shall be no wider than 0.25% of the center frequency

Test Configuration



Test Procedure

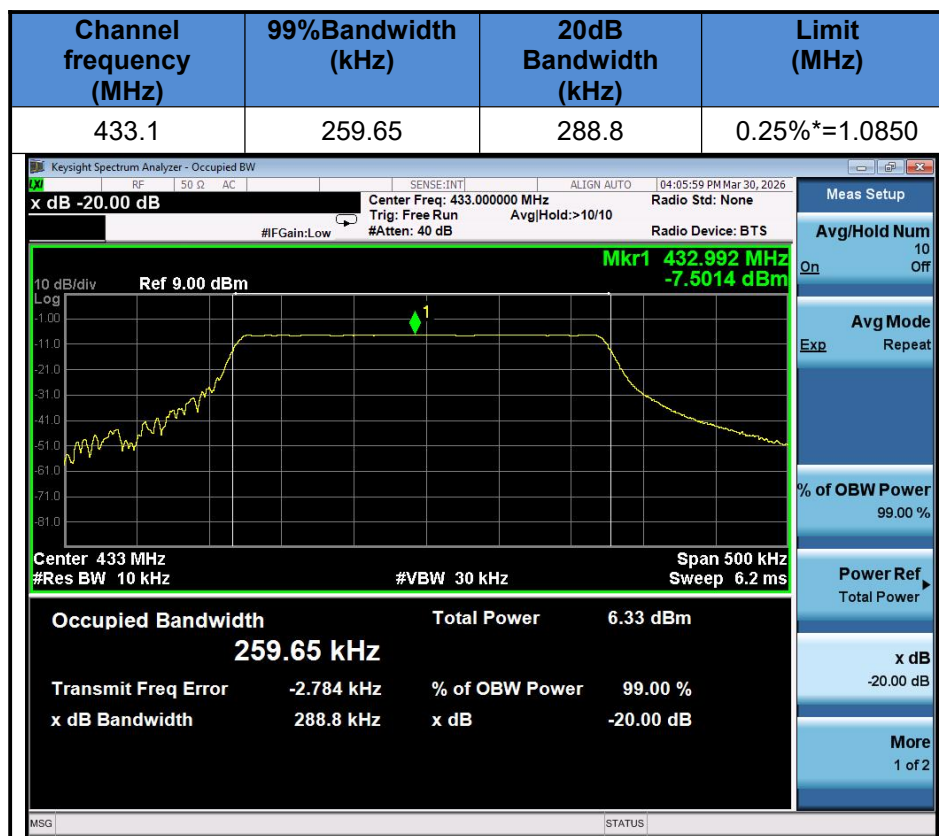
1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. Use the following spectrum analyzer settings:
Span = approximately 2 to 3 times the 99% bandwidth, centered on a operation channel
RBW $\geq$ 1% of the 20 dB bandwidth, VBW $\geq$ RBW
Sweep = auto, Detector function = peak, Trace = max hold
4. Measure and record the results in the test report.

Test Mode

Please refer to the clause 2.3.

Test Results

Temperature :	24.8°C	Humidity :	52.2%
Air Pressure:	1010 hPa	Configurations:	TX Mode



3.4. Deactivation Time

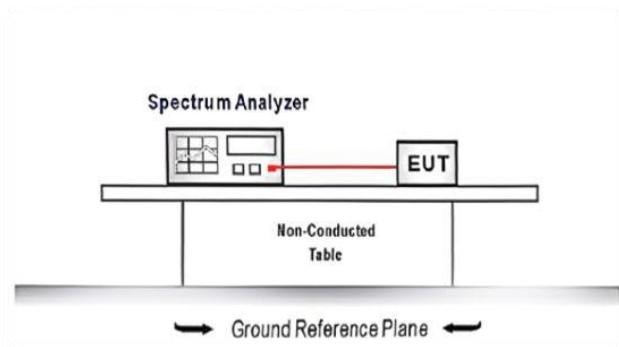
Transmitter Deactivation Time

FCC 15.231 (e)

Limit

devices operated under the provisions of this paragraph shall be provided with a means for automatically limiting operation so that the duration of each transmission shall not be greater than one second and the silent period between transmissions shall be at least 30 times the duration of the transmission but in no case less than 10 seconds.

Test Configuration



Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

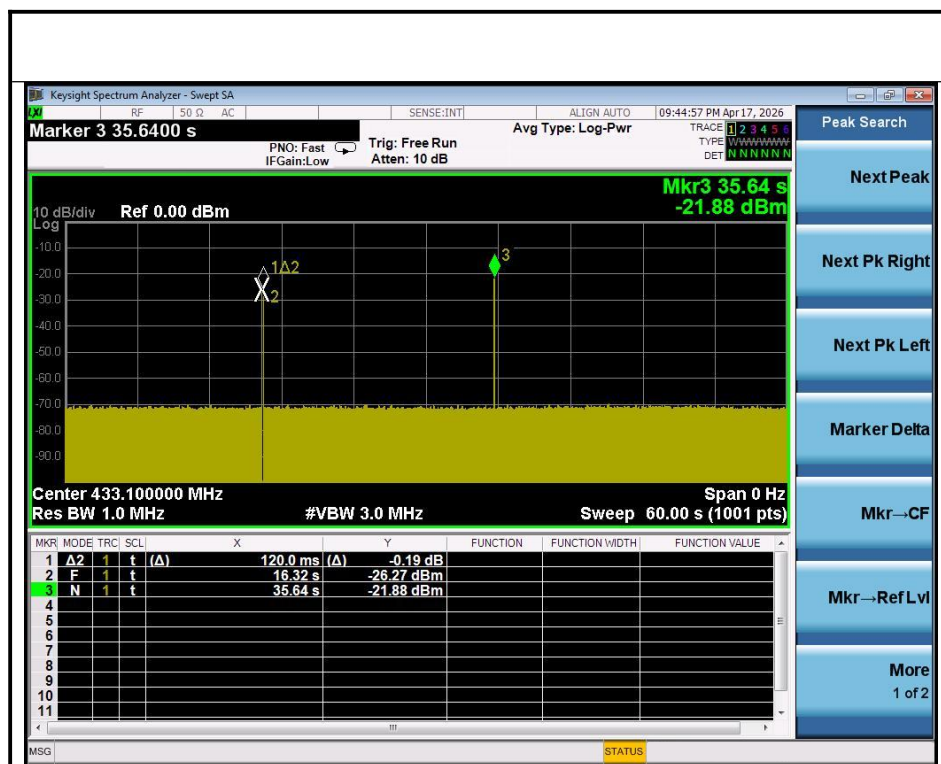
Test Mode

Please refer to the clause 2.3.

Test Results

Temperature :	24.8°C	Humidity :	52.2%
Air Pressure:	1010 hPa	Configurations:	TX Mode

Frequency (MHz)	Item	Measured Value	Limit	Result
433.1	Transmission Time	0.12s	<1s	Pass
	Silent Time	19.2s	>10s	Pass
	Silent Time/Transmission Time	161	>30	Pass



3.5. Transmitter Field Strength of Emissions and Spurious Emission

Limit

FCC §15.231 (e) & FCC §15.209

In addition to the provisions of § 15.205, the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

Fundamental frequency (MHz)	Field Strength of Fundamental (microvolt/meter)	Field Strength of spurious emissions (microvolt/meter)
40.66-40.70	1000	100
70-130	500	50
130-174	500 to 1500*	50 to 150*
174-260	1500	150
260-470	1500 to 5000*	150 to 500*
Above 470	5000	500

[Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows: for the band 260-470 MHz, $\mu\text{V/m}$ at 3 meters= $16.6667(F)-2833.3333$. The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level.] §15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	608-614	4.5-5.15
0.495-0.505	16.69475-16.68525	960-1240	5.35-5.46
2.1735-2.1905	16.80425-16.80475	1300-1427	7.25-7.75
4.125-4.128	25.525.67	1435-1626.5	8.025-8.5
4.17725-4.17775	37.5-38.25	1645.5-1646.5	9.0-9.2
4.20725-4.20775	73-74.6	1660-1710	9.3-9.5
6.215-6.218	74.8-75.2	1718.8-1722.2	10.6-12.7
6.26775-6.26825	108-121.94	2200-2300	13.25-13.4
6.31175-6.31225	123-138	2310-2390	14.47-14.5
8.291-8.294	149.9-150.05	2483.5-2500	15.35-16.2
8.362-8.366	156.52475-156.52525	2655-2900	17.7-21.4
8.37625-8.38675	156.7-156.9	3260-3267	22.01-23.12
8.41425-8.41475	162.0125167.17	3332-3339	23.6-24.0
12.29-12.293	167.72-173.2	3345.8-3358	31.2-31.8
12.51975-12.52025	240-285	3600-4400	36.43-36.5
12.57675-12.57725	322-335.4		.(²)
13.36-13.41	399.9-410		

1. Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. 2. Above 38.6 S15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

§15.209(a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(KHz)	300
0.490-1.705	24000(KHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 5472 MHz, 7688 MHz, 174216 MHz or 470806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

§15.209(b) In the emission table above, the tighter limit applies at the band edges.

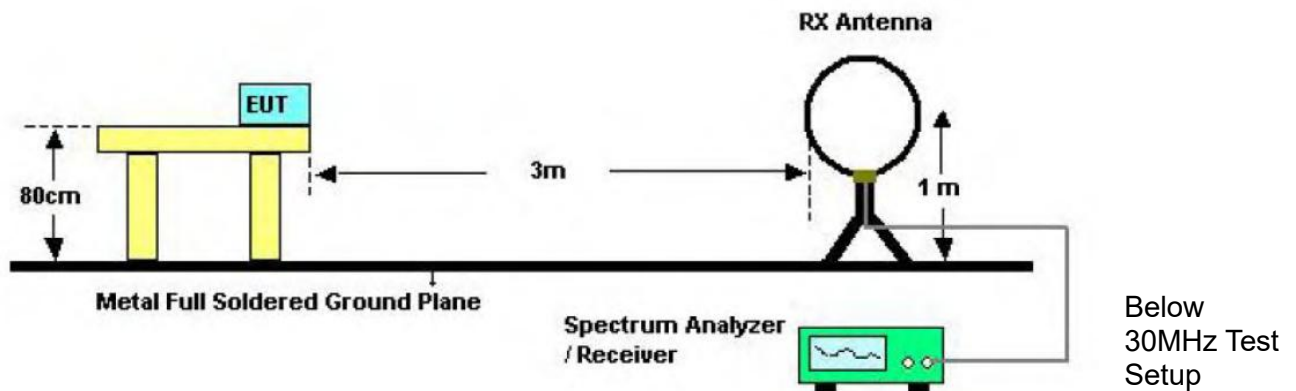
Measuring Instruments and Setting

Please refer to section 6 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

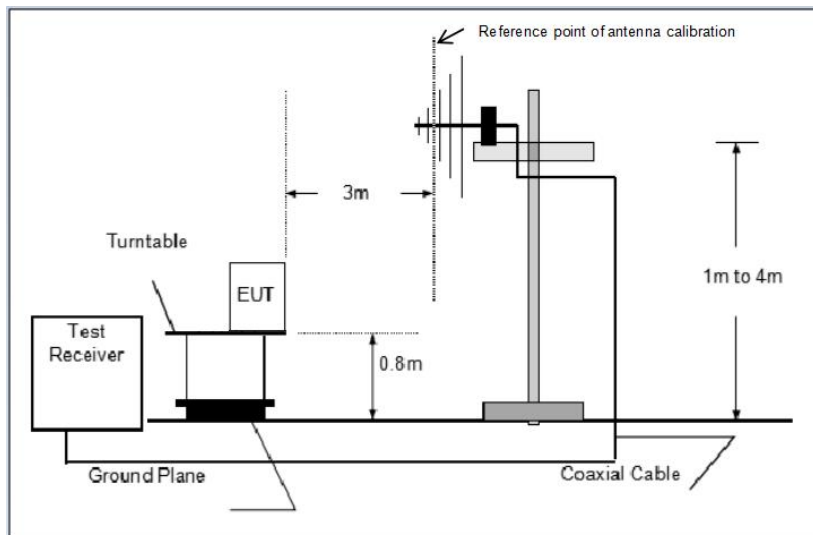
Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB/VB(Emission in restricted band)	1MHz/1MHz for Peak, 1 MHz/10Hz for Average
RB/VB(Emission in non-restricted band)	1MHz/1MHz for Peak, 1 MHz/10Hz for Average

Spectrum Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz/RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz/RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz/RB 120kHz for QP

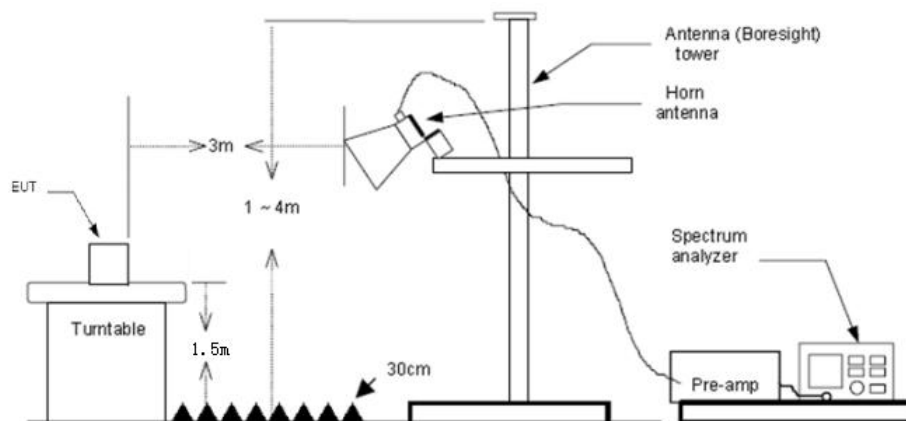
Test Configuration



Below 1000MHz Test Setup



Above 1GHz Test Setup



Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2020
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. 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. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 1 GHz:
RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;
If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
 - (3) From 1 GHz to 10th harmonic:
RBW=1MHz, VBW=3MHz Peak detector for Peak value.
RBW=1MHz, VBW=10Hz RMS detector for Average value.

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any)from the measured reading.The basic equation with a sample calculation is as follows:

$$FS(dBuV/m)=RA(dBuV)+AF(dB/m)+CL(dB)-AG \quad (dB)$$

Where FS=Field Strength	CL=Cable Attenuation Factor (Cable Loss)
RA=Reading Amplitude	AG =Amplifier Gain
AF=Antenna Factor	

Results of Radiated Emissions(9 kHz~30MHz)

Temperature	23.8°C	Humidity	52.1%
Configurations	TX Mode		

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dBuV)	Remark
-	-	-	-	See Note

Note:

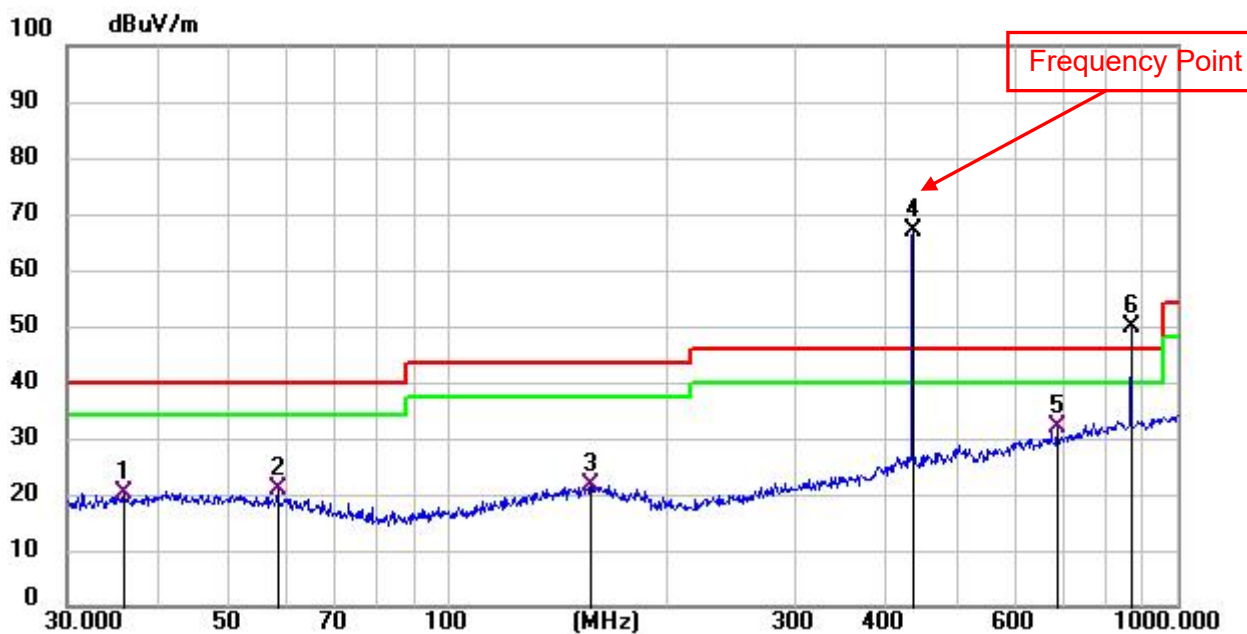
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log(specific distance /test distance)(dB);

Limit line =specific limits(dBuV)+distance extrapolation factor.

■ Results of Radiated Emissions (30MHz~ 1000MHz)

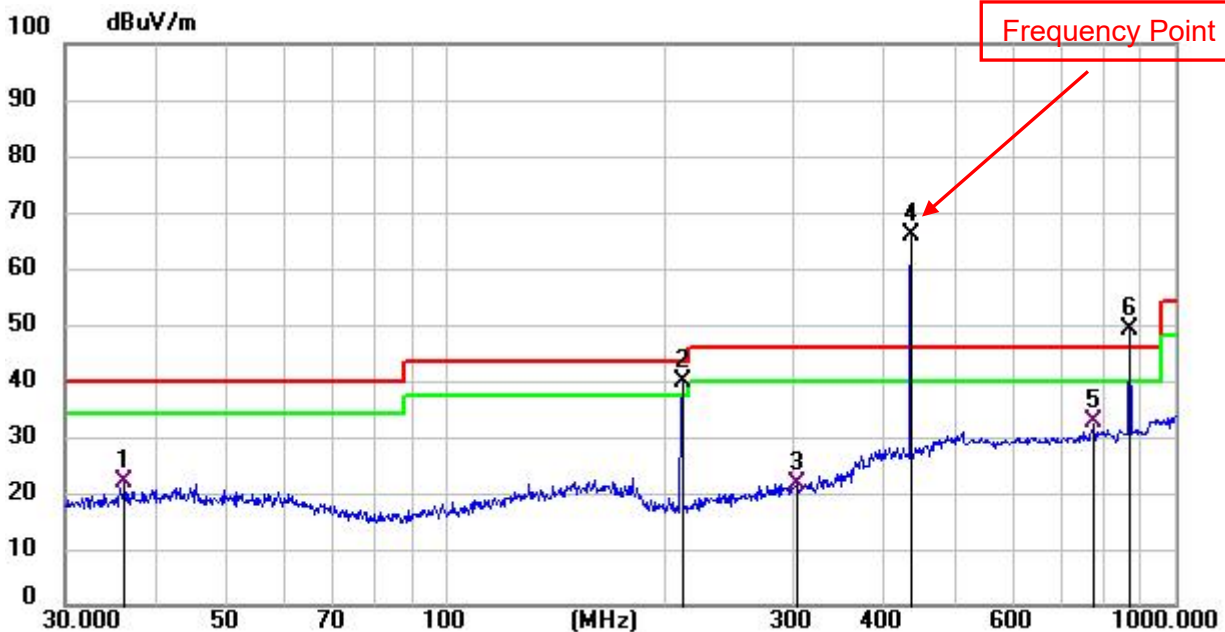
EUT:	pool monitor	Model Name:	SP-Li701
Pressure:	1010 hPa	Phase:	Horizontal
Temperature	24.8℃	Humidity	52.1%
Test Mode:	TX	Test Voltage:	DC 3.7V from the battery



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	35.8746	33.51	-13.19	20.32	40.00	-19.68	QP
2	58.4074	34.65	-13.60	21.05	40.00	-18.95	QP
3	157.0073	33.26	-11.49	21.77	43.50	-21.73	QP
4	433.1000	75.05	-8.13	66.92	46.00	20.92	QP
5	684.7453	34.96	-3.11	31.85	46.00	-14.15	QP
6*	866.2000	50.26	-0.54	49.72	46.00	3.72	QP

Fundamental and Harmonics Result				
Frequency (MHz)	Peak Level (dBuV/m)	Limit(dBuV/m) (average)	Limit(dBuV/m) (Peak)	Conclusion
433.10	66.92	72.84	92.84	PASS
866.20	50.26	52.84	72.84	PASS

EUT:	pool monitor	Model Name:	SP-Li701
Pressure:	1010 hPa	Phase:	Vertical
Temperature	24.8°C	Humidity	52.1%
Test Mode:	TX	Test Voltage:	DC 3.7V from the battery



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	36.2541	35.25	-13.12	22.13	40.00	-17.87	QP
2	210.7860	54.96	-14.96	40.00	43.50	-3.50	QP
3	302.4812	33.16	-11.53	21.63	46.00	-24.37	QP
4	433.1000	74.04	-8.13	65.91	46.00	19.91	QP
5	771.4486	34.09	-1.46	32.63	46.00	-13.37	QP
6*	866.2000	49.60	-0.54	49.06	46.00	3.06	QP

Fundamental and Harmonics Result				
Frequency (MHz)	Peak Level (dBuV/m)	Limit(dBμV/m) (average)	Limit(dBμV/m) (Peak)	Conclusion
433.10	65.91	72.84	92.84	PASS
866.20	49.60	52.84	72.84	PASS

Note:

- 1.All reading are Quasi-peak values.
- 2.Measured =Reading +Antenna Factor+Cable Loss
3. The emission that are 20dB below the official limit are not reported
4. *-means fundamental frequency
5. **-means harmonic frequency

■ Results of Radiated Emissions (Above 1GHz)

Temperature :	24.8°C	Humidity :	52.2%
Air Pressure:	1010 hPa	Configurations:	TX Mode

Test Channel				433.1MHz			
Frequency (MHz)	Reading Level (dBuV)	Correct Factor (dB/m)	Final level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
1299.600	57.69	-11.97	45.72	74.00	-28.28	Vertical	Peak
1732.400	47.18	-11.35	35.83	74.00	-38.17	Vertical	
2598.600	53.31	-10.83	42.48	74.00	-31.52	Vertical	
3031.700	57.47	-10.52	46.95	74.00	-27.05	Vertical	
3464.800	51.13	-9.73	41.40	74.00	-32.60	Vertical	
3897.900	44.74	-6.25	38.49	74.00	-35.51	Vertical	
1299.600	64.92	-11.97	52.95	74.00	-21.05	Horizontal	
1732.400	52.15	-11.35	40.80	74.00	-33.20	Horizontal	
2598.600	48.83	-10.99	37.84	74.00	-36.16	Horizontal	
3031.700	56.53	-10.82	45.71	74.00	-28.29	Horizontal	
3464.800	62.98	-10.52	52.46	74.00	-21.54	Horizontal	
3897.900	58.27	-9.73	48.54	74.00	-25.46	Horizontal	

1. Measuring frequencies from 9k-10th harmonic (ex. 5GHz), No emission found between lowest internal used/generated frequency to 30MHz.
2. Radiated emissions measured in frequency range from 9k-10th harmonic (ex. 5GHz) were made with an instrument using Peak detector mode.
3. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
4. Due to the measure PK emission level less than the AV limit value. No necessary to take down the AV emission level.

4. EUT TEST PHOTOS

Note: Refer to the attached test photos

5. PHOTOGRAPHS OF EUT CONSTRUCTIONAL

Note: Refer to the attached exterior and interior photos

*****THE END*****