

FCC Test Report

Report No.: AGC03767200402FE03

FCC ID : Z52NAS-DS07Z1U
APPLICATION PURPOSE : Original Equipment
PRODUCT DESIGNATION : Door Sensor
BRAND NAME : NEO
MODEL NAME : NAS-DS07Z1U
APPLICANT : SHENZHEN NEO ELECTRONICS CO., LTD
DATE OF ISSUE : May 26, 2020
STANDARD(S) : FCC Part 15 Rules
TEST PROCEDURE(S)
REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	May 26, 2020	Valid	Initial Release



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1. VERIFICATION OF CONFORMITY

Applicant	SHENZHEN NEO ELECTRONICS CO., LTD
Address	East 6/F, Building 2LaoBing Industry, No.44 TieZai Road, Baoan District, Shenzhen.
Manufacturer	SHENZHEN NEO ELECTRONICS CO., LTD
Address	East 6/F, Building 2LaoBing Industry, No.44 TieZai Road, Baoan District, Shenzhen.
Factory	SHENZHEN NEO ELECTRONICS CO., LTD
Address	East 6/F, Building 2LaoBing Industry, No.44 TieZai Road, Baoan District, Shenzhen.
Product Designation	Door Sensor
Brand Name	NEO
Test Model	NAS-DS07Z1U
Date of test	May 11, 2020 to May 22, 2020
Deviation	No any deviation from the test method
Condition of Test Sample	Normal
Test Result	Pass
Report Template	AGCRT-US-BR/RF

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC Rules Part 15.249.

Prepared By



Erik Yang
(Project Engineer)

May 22, 2020

Reviewed By



Max Zhang
(Reviewer)

May 26, 2020

Approved By



Forrest Lei
(Authorized Officer)

May 26, 2020

2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

Operation Frequency	908.4MHz, 916MHz
Maximum field strength	93.01dBuV/m(Peak)@3m
Modulation	FSK, GFSK
Number of channels	2
Antenna Gain	0dBi
Antenna Designation	Integral Antenna (Met 15.203 Antenna requirement)
Hardware Version	NAS-DS07Z1U V3 20200418
Software Version	01 2A
Power Supply	DC 3V by battery or DC 5V by adapter



3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

- Uncertainty of Conducted Emission, $U_c = \pm 3.1$ dB
- Uncertainty of Radiated Emission below 1GHz, $U_c = \pm 4.0$ dB
- Uncertainty of Radiated Emission above 1GHz, $U_c = \pm 4.8$ dB
- Uncertainty of Occupied Channel Bandwidth: $U_c = \pm 2$ %



4. DESCRIPTION OF TEST MODES

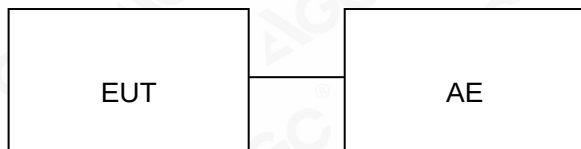
NO.	TEST MODE DESCRIPTION
1	TX: 908.4MHz
2	TX: 916MHz



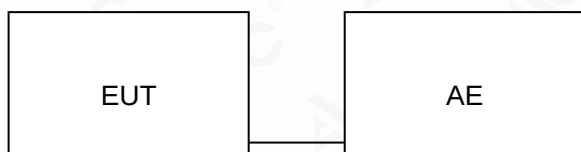
5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

Radiated Emission Configure :



Conducted Emission Configure :



5.2. EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	Door Sensor	NAS-DS07Z1U	Z52NAS-DS07Z1U	EUT
2	Adapter	YB121-0901000U-2A	DC 5V	AE

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.249&15.209	Radiated Emission	Compliant
§15.215	20dB bandwidth	Compliant
§15.207	Conducted Emission	Compliant

6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Designation Number	CN1259
FCC Test Firm Registration Number	975832
A2LA Cert. No.	5054.02
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA

TEST EQUIPMENT OF CONDUCTED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	Jun. 12, 2019	Jun. 11, 2020
LISN	R&S	ESH2-Z5	100086	Aug. 26, 2019	Aug. 25, 2020
Test software	R&S	ES-K1(Ver.V1.71)	N/A	N/A	N/A

TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	Jun. 12, 2019	Jun. 11, 2020
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec. 12, 2019	Dec. 11, 2020
Attenuator	ZHINAN	E-002	N/A	Sep. 09, 2019	Sep. 08, 2020
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	Jun. 14, 2018	Jun. 13, 2020
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May. 26, 2018	May. 25, 2020
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Oct. 15, 2019	Oct. 16, 2020
ANTENNA	SCHWARZBECK	VULB9168	494	Jan. 09, 2019	Jan. 08, 2021
Test software	Tonscend	JS32-RE (Ver.2.5)	N/A	N/A	N/A

7. RADIATED EMISSION

7.1. TEST LIMIT

Standard FCC15.249

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)
900-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

Standard FCC 15.209

Frequency (MHz)	Distance Meters	Field Strengths Limit	
		μ V/m	dB(μ V)/m
0.009 ~ 0.490	300	2400/F(kHz)	---
0.490 ~ 1.705	30	24000/F(kHz)	---
1.705 ~ 30	30	30	---
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	Other:74.0 dB(μ V)/m (Peak) 54.0 dB(μ V)/m (Average)	

Remark:

- (1) Emission level dB μ V = 20 log Emission level μ V/m
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

7.2. MEASUREMENT PROCEDURE

1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use minimum resolution bandwidth of 1 MHz. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

The following table is the setting of spectrum analyzer and receiver.

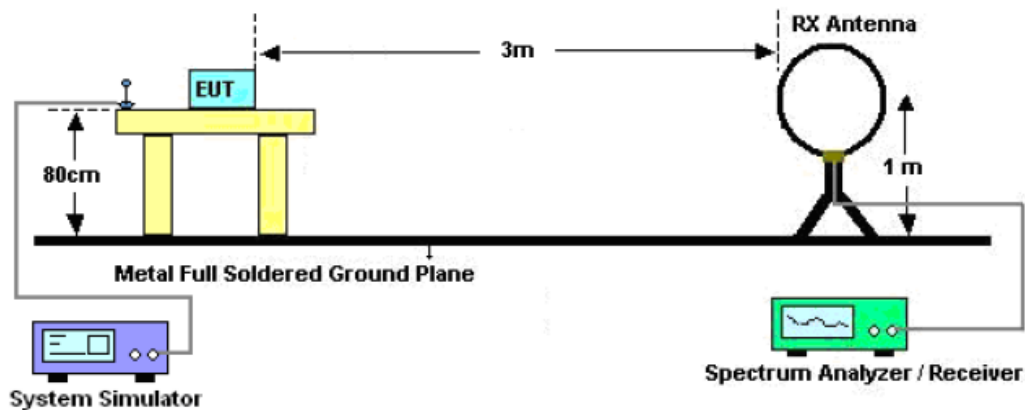
Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	1GHz~10GHz 1.5MHz/ VBW 8MHz for Peak, 1.5MHz/10Hz for Average

Receiver Parameter	Setting
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

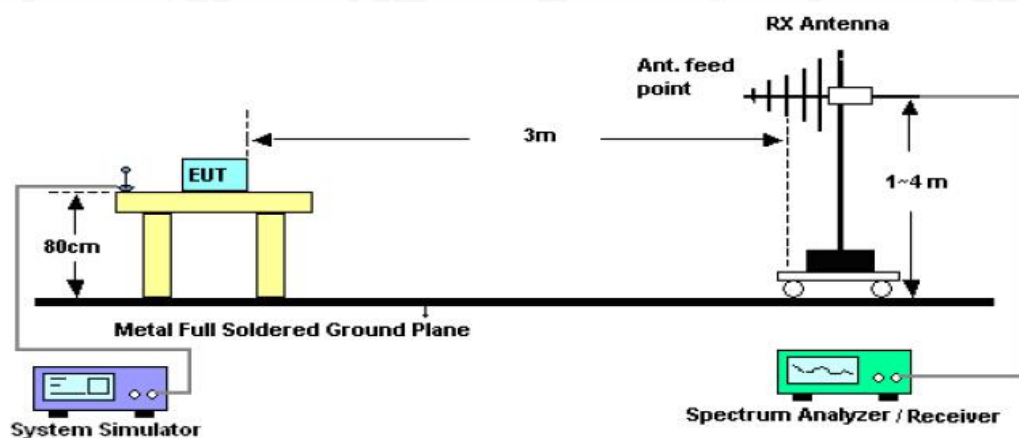


7.3. TEST SETUP

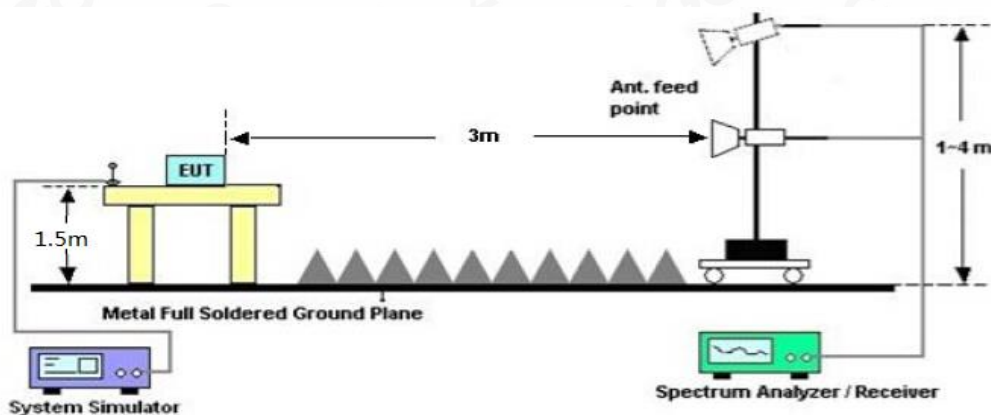
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



7.4. TEST RESULT

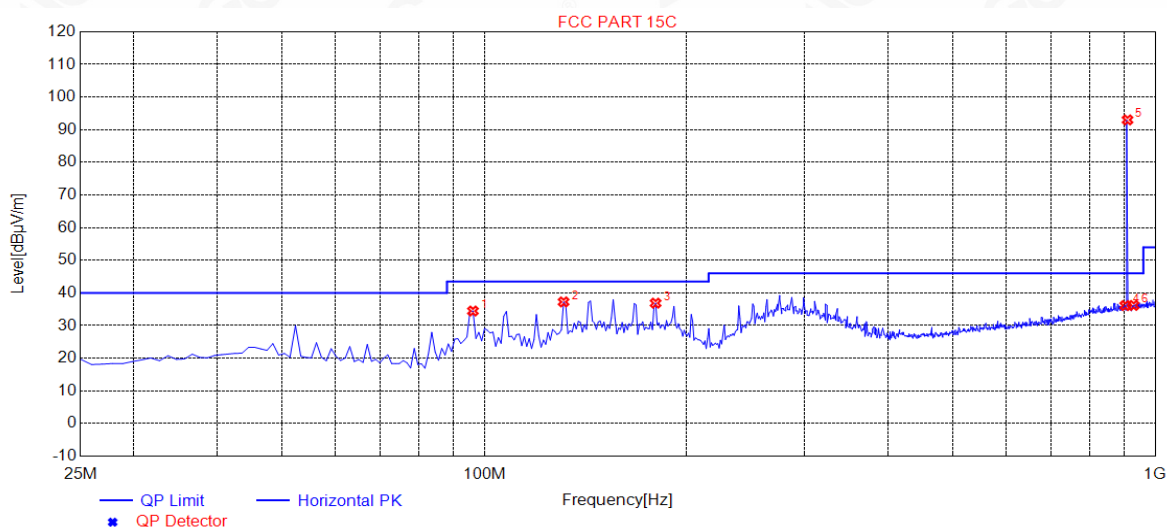
908.4MHz

RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

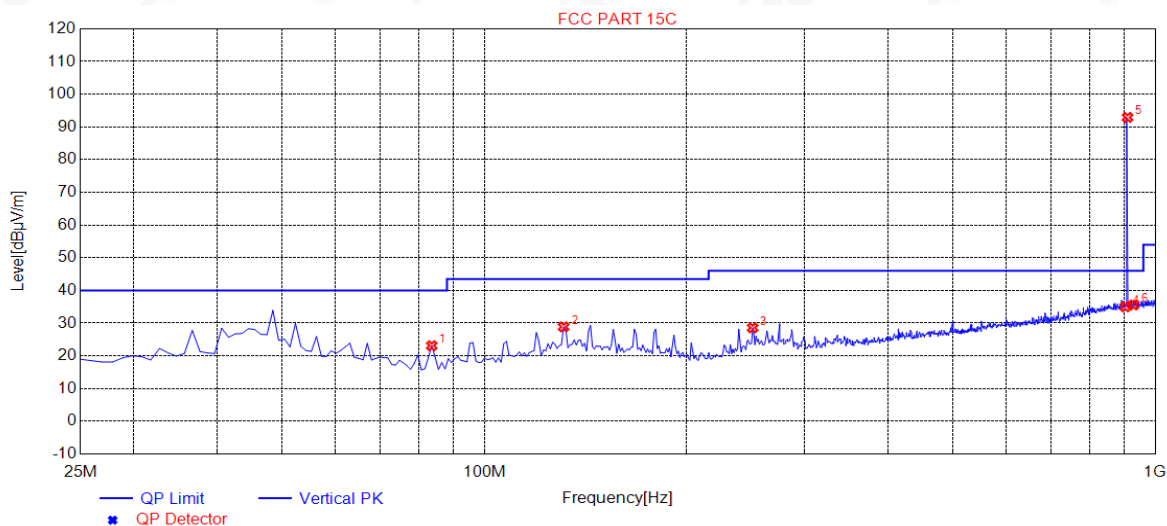
RADIATED EMISSION 30MHZ- 1GHZ

EUT	Door Sensor	Model Name	NAS-DS07Z1U
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Voltage	DC 3V
Test Mode	Mode 1	Polarization	Horizontal



NO	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	96.1750	34.47	10.95	43.50	9.03	200	194	Horizontal
2	131.2750	37.26	14.24	43.50	6.24	200	209	Horizontal
3	180.0250	36.88	13.00	43.50	6.62	200	58	Horizontal
4	902.0000	36.13	30.17	46.00	9.87	200	199	Horizontal
5	908.4000	93.01	30.20	94.00	0.99	100	0	Horizontal
6	928.0000	36.18	30.38	46.00	9.82	100	328	Horizontal

EUT	Door Sensor	Model Name	NAS-DS07Z1U
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Voltage	DC 3V
Test Mode	Mode 1	Polarization	Vertical



NO	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	83.5000	23.12	10.19	40.00	16.88	100	113	Vertical
2	131.2750	28.87	14.24	43.50	14.63	100	108	Vertical
3	251.2000	28.59	14.67	46.00	17.41	100	87	Vertical
4	902.0000	35.00	30.17	46.00	11.00	100	359	Vertical
5	908.4000	92.92	30.20	94.00	1.08	100	54	Vertical
6	928.0000	35.57	30.38	46.00	10.43	100	98	Vertical

RESULT: PASS

Note: Factor=Antenna Factor + Cable loss, Margin=Result-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

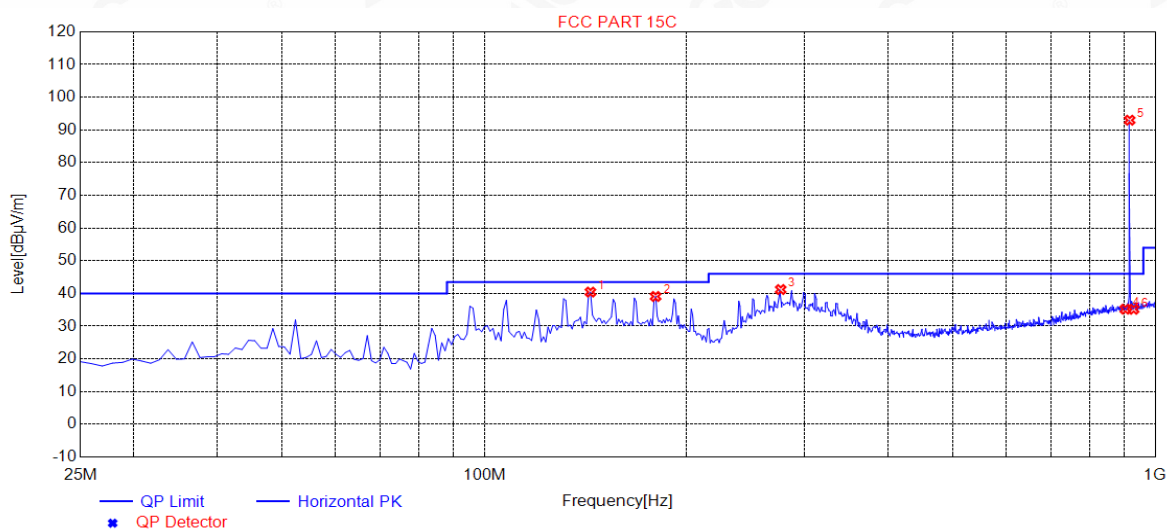
916MHz

RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

RADIATED EMISSION 30MHz- 1GHz

EUT	Door Sensor	Model Name	NAS-DS07Z1U
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Voltage	DC 3V
Test Mode	Mode 2	Polarization	Horizontal



NO	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	143.9500	40.43	14.88	43.50	3.07	200	192	Horizontal
2	180.0250	39.09	13.00	43.50	4.41	200	50	Horizontal
3	276.5500	41.21	15.98	46.00	4.79	100	182	Horizontal
4	902.0000	35.21	30.17	46.00	10.79	200	226	Horizontal
5	916.0000	92.98	30.26	94.00	1.02	100	216	Horizontal
6	928.0000	35.17	30.38	46.00	10.83	100	163	Horizontal



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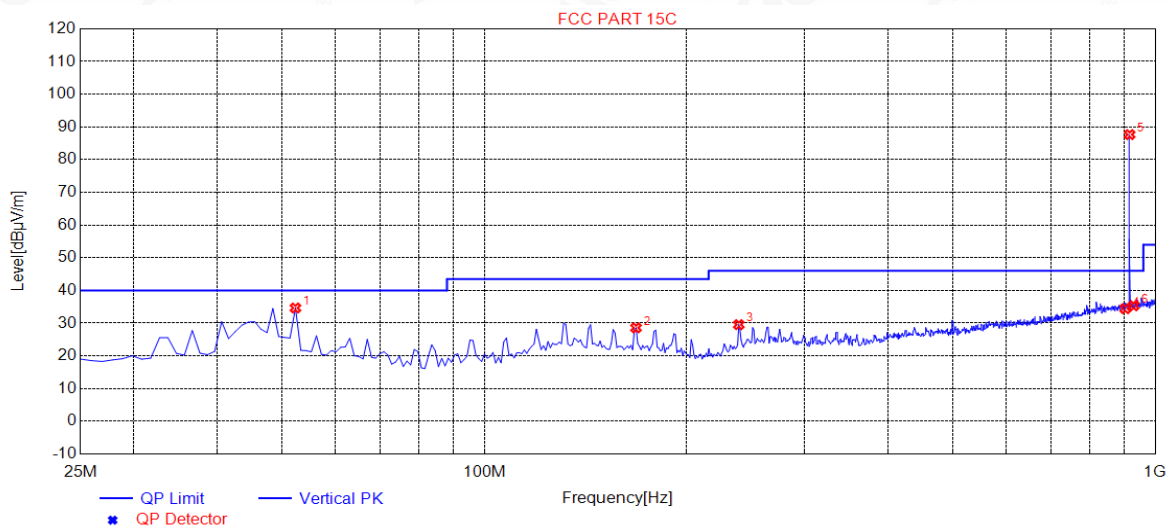
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Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

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EUT	Door Sensor	Model Name	NAS-DS07Z1U
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Voltage	DC 3V
Test Mode	Mode 2	Polarization	Vertical



NO	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	52.3000	34.66	14.50	40.00	5.34	100	359	Vertical
2	168.3250	28.58	14.11	43.50	14.92	100	86	Vertical
3	239.5000	29.55	14.81	46.00	16.45	100	107	Vertical
4	902.0000	34.43	30.17	46.00	11.57	100	255	Vertical
5	916.0000	87.66	30.26	94.00	6.34	100	271	Vertical
6	928.0000	35.34	30.38	46.00	10.66	100	343	Vertical

RESULT: PASS

Note: Factor=Antenna Factor + Cable loss, Margin=Result-Limit.

The “Factor” value can be calculated automatically by software of measurement system.

908.4MHz

RADIATED EMISSION ABOVE 1GHZ

EUT	Door Sensor	Model Name	NAS-DS07Z1U
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Voltage	DC 3.7V
Test Modulation	Mode 1	Polarization	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
1816.8	72.45	-13.62	58.83	74.00	-15.17	peak
1816.8	52.16	-13.62	38.54	54.00	-15.46	AVG
2725.2	56.94	-9.53	47.41	74.00	-26.59	peak
2725.2	37.22	-9.53	27.69	54.00	-26.31	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT	Door Sensor	Model Name	NAS-DS07Z1U
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Voltage	DC 3.7V
Test Modulation	Mode 1	Polarization	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
1816.8	67.21	-13.62	53.59	74.00	-20.41	peak
1816.8	49.36	-13.62	35.74	54.00	-18.26	AVG
2725.2	50.23	-9.53	40.70	74.00	-33.30	peak
2725.2	29.24	-9.53	19.71	54.00	-34.29	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Note: Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The “Factor” value can be calculated automatically by software of measurement system.

Other emissions from 1G to 9.2 GHz are considered as ambient noise. No re

916MHz

RADIATED EMISSION ABOVE 1GHZ

EUT	Door Sensor	Model Name	NAS-DS07Z1U
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Voltage	DC 3.7V
Test Modulation	Mode 2	Polarization	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
1832.00	68.14	-13.62	54.52	74.00	-19.48	peak
1832.00	48.35	-13.62	34.73	54.00	-19.27	AVG
2748.00	50.87	-9.53	41.34	74.00	-32.66	peak
2748.00	32.55	-9.53	23.02	54.00	-30.98	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT	Door Sensor	Model Name	NAS-DS07Z1U
Temperature	20 °C	Relative Humidity	48%
Pressure	1010 hPa	Test Voltage	DC 3.7V
Test Modulation	Mode 2	Polarization	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
1832.00	69.23	-13.62	55.61	74.00	-18.39	peak
1832.00	49.50	-13.62	35.88	54.00	-18.12	AVG
2748.00	51.44	-9.53	41.91	74.00	-32.09	peak
2748.00	30.86	-9.53	21.33	54.00	-32.67	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Note: Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The “Factor” value can be calculated automatically by software of measurement system.

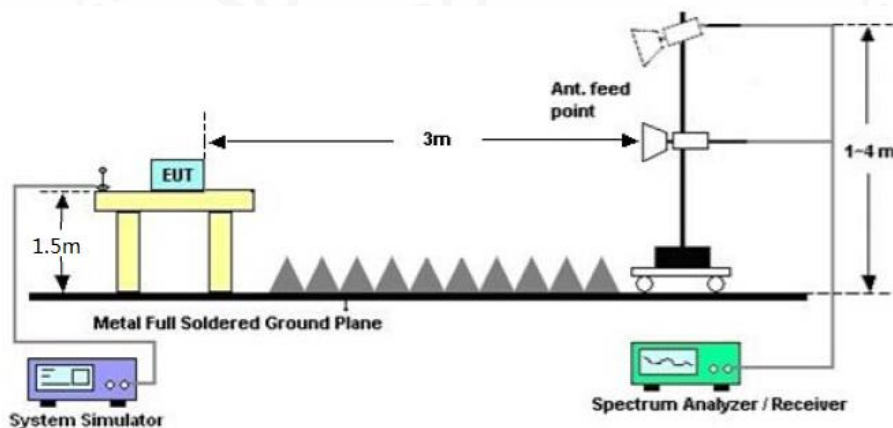
Other emissions from 1G to 9.2 GHz are considered as ambient noise. No recording in the test report.

8. 20DB BANDWIDTH

8.1. MEASUREMENT PROCEDURE

1. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
2. Set SPA Centre Frequency = Operation Frequency, RBW= 1~5% OBW, VBW $\geq$ 3 $\times$ RBW.
3. Set SPA Trace 1 Max hold, then View.

8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

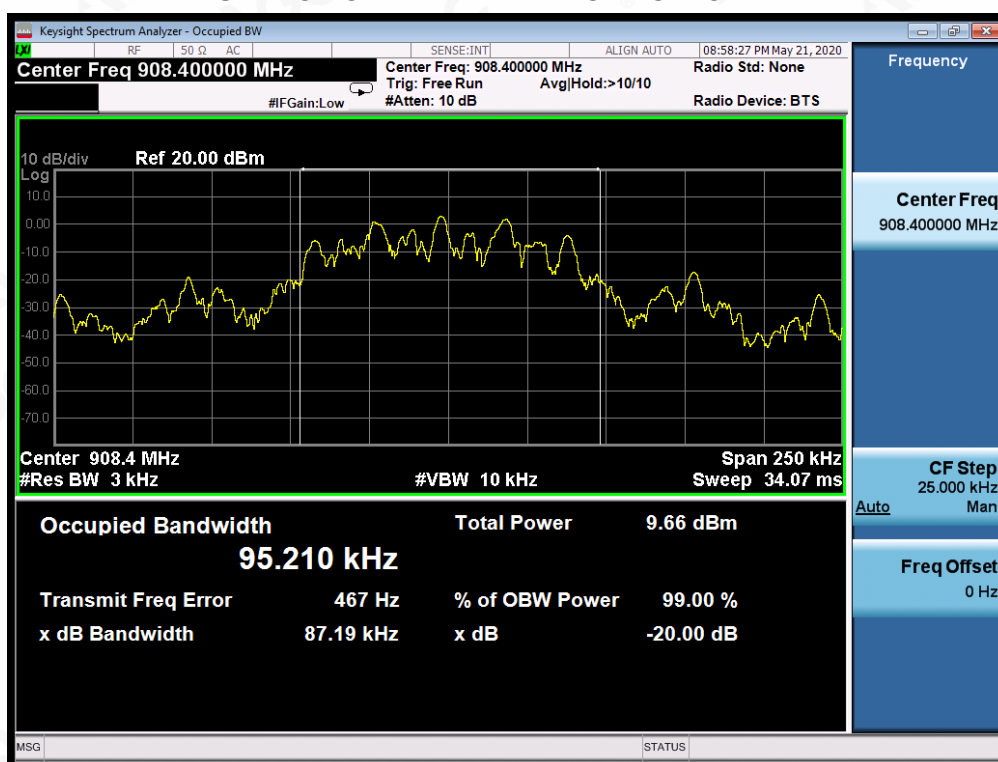


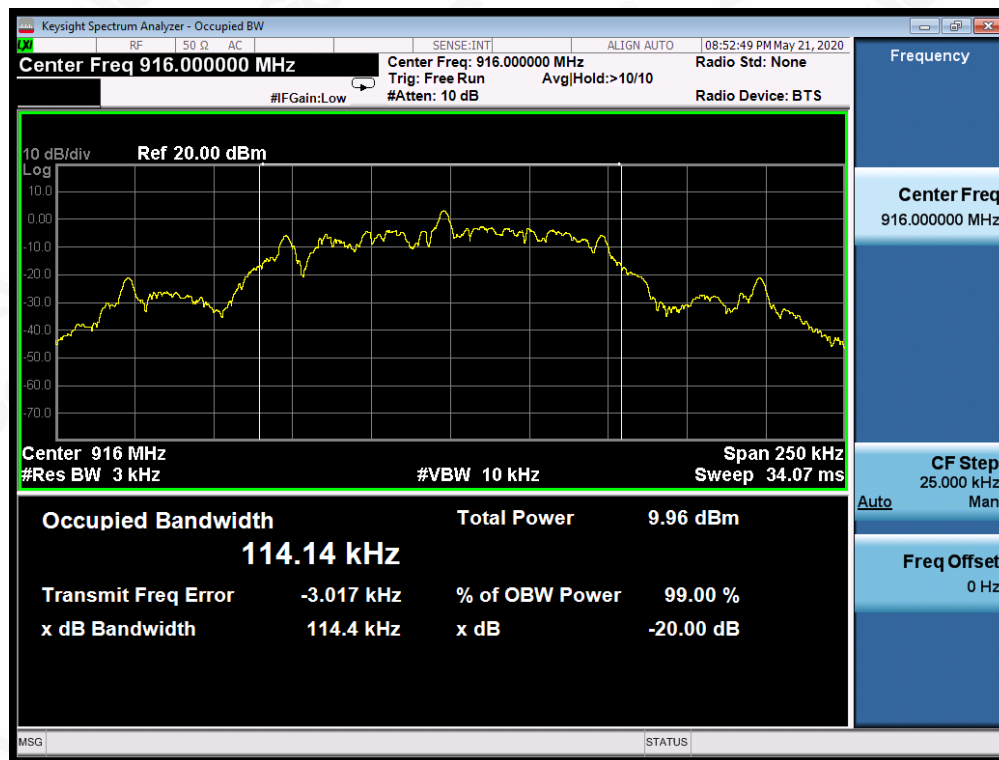
8.3. MEASUREMENT RESULTS

TEST ITEM	20DB BANDWIDTH
TEST MODULATION	GFSK

Test Data		Criteria
908.4MHz	87.19KHz	PASS
916MHz	114.4KHz	PASS

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL





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9. FCC LINE CONDUCTED EMISSION TEST

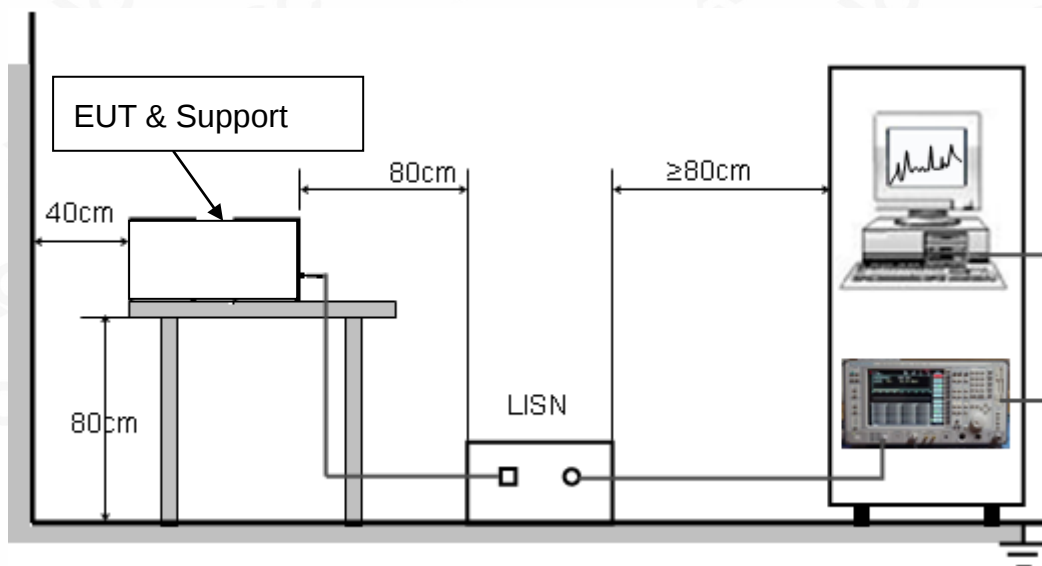
9.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	Q.P.(dBuV)	Average(dBuV)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

9.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



9.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. All support equipments received AC120V/60Hz power from a LISN, if any.
5. The EUT received DC power from adapter which received AC120V/60Hz power from a LISN.
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

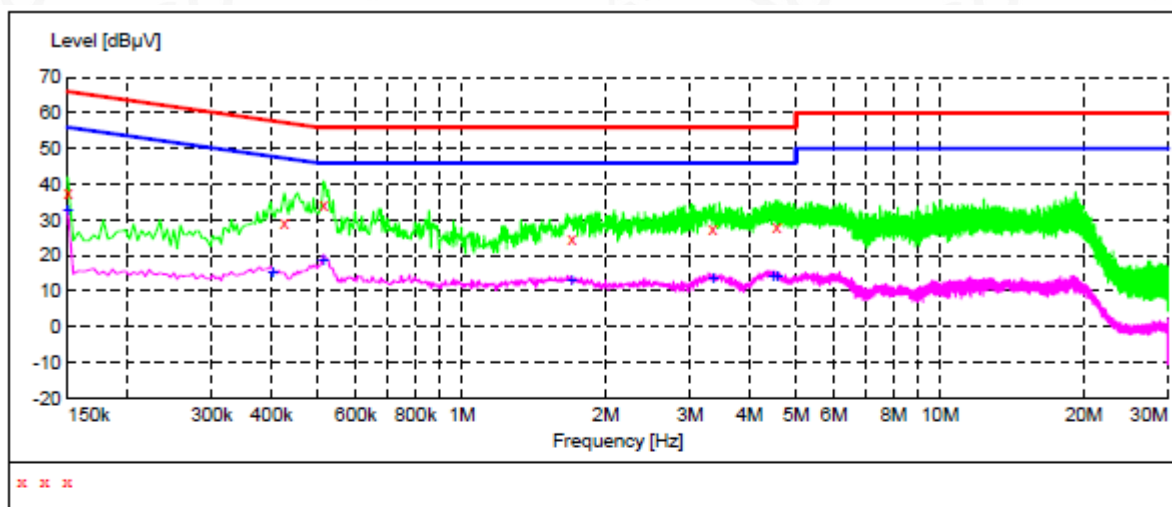
Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

9.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less -2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case condition(s) was reported on the Summary Data page.

9.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

Line Conducted Emission Test Line 1-L



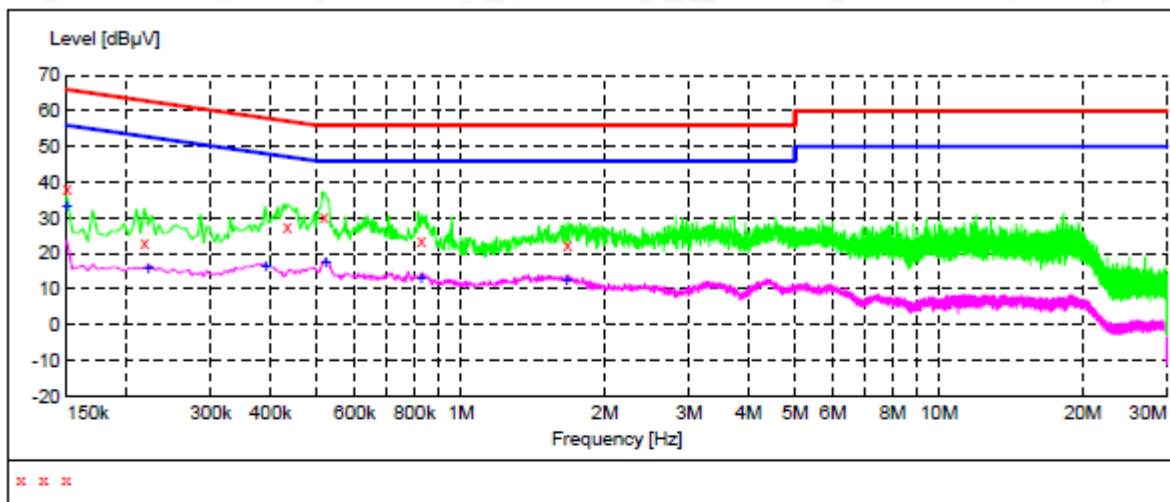
MEASUREMENT RESULT

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.150000	37.80	11.3	66	28.2	QP	L1
0.426000	29.20	11.3	57	28.1	QP	L1
0.514000	34.20	11.3	56	21.8	QP	L1
1.702000	24.90	11.3	56	31.1	QP	L1
3.346000	27.40	11.4	56	28.6	QP	L1
4.558000	27.90	11.4	56	28.1	QP	L1

MEASUREMENT RESULT

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.150000	32.80	11.3	56	23.2	AV	L1
0.402000	15.40	11.3	48	32.4	AV	L1
0.514000	18.80	11.3	46	27.2	AV	L1
1.698000	12.80	11.3	46	33.2	AV	L1
3.346000	13.20	11.4	46	32.8	AV	L1
4.478000	14.20	11.4	46	31.8	AV	L1
4.558000	13.80	11.4	46	32.2	AV	L1

Line Conducted Emission Test Line 2-N



MEASUREMENT RESULT

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.150000	38.10	11.3	66	27.9	QP	N
0.218000	22.90	11.3	63	40.0	QP	N
0.434000	27.30	11.3	57	29.9	QP	N
0.518000	30.20	11.3	56	25.8	QP	N
0.826000	23.50	11.3	56	32.5	QP	N
1.674000	22.20	11.3	56	33.8	QP	N

MEASUREMENT RESULT

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.150000	32.90	11.3	56	23.1	AV	N
0.222000	15.90	11.3	53	36.8	AV	N
0.390000	16.20	11.3	48	31.9	AV	N
0.522000	17.50	11.3	46	28.5	AV	N
0.826000	13.10	11.3	46	32.9	AV	N
1.666000	12.60	11.3	46	33.4	AV	N

RESULT: PASS

Note: All the test modes had been tested, the mode 1 was the worst case. Only the data of the worst case would be record in this test report.

APPENDIX A: PHOTOGRAPHS OF TEST SETUP
FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ**FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ**

CONDUCTED EMISSION TEST SETUP



APPENDIX B: PHOTOGRAPHS OF EUT

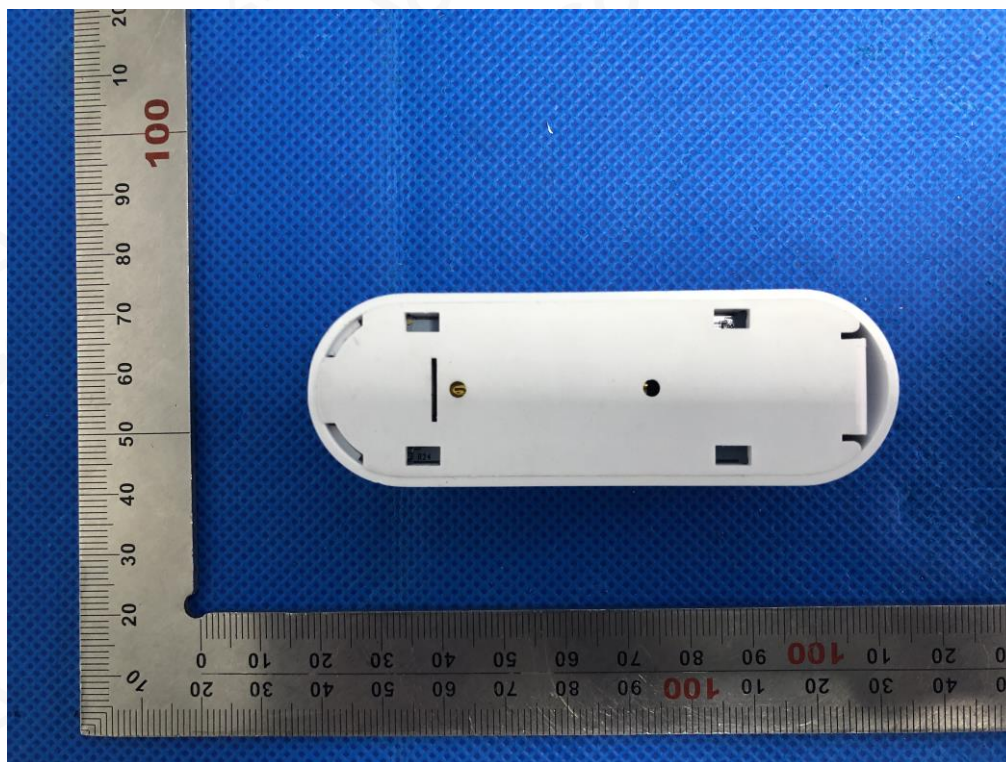
TOTAL VIEW OF EUT



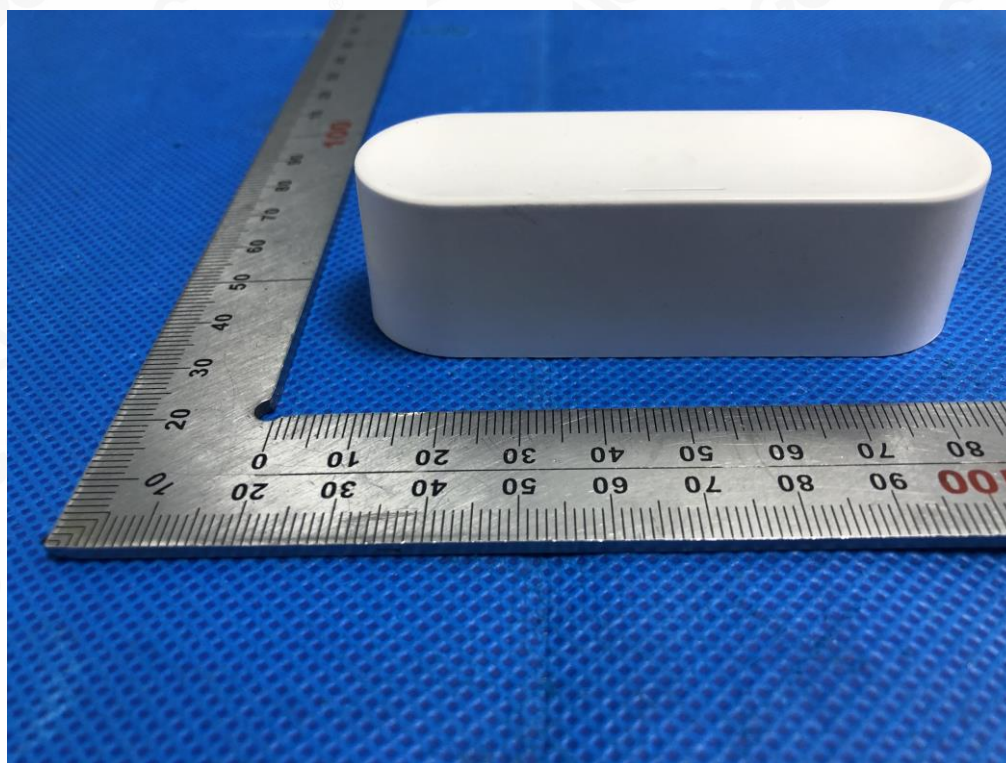
TOP VIEW OF EUT



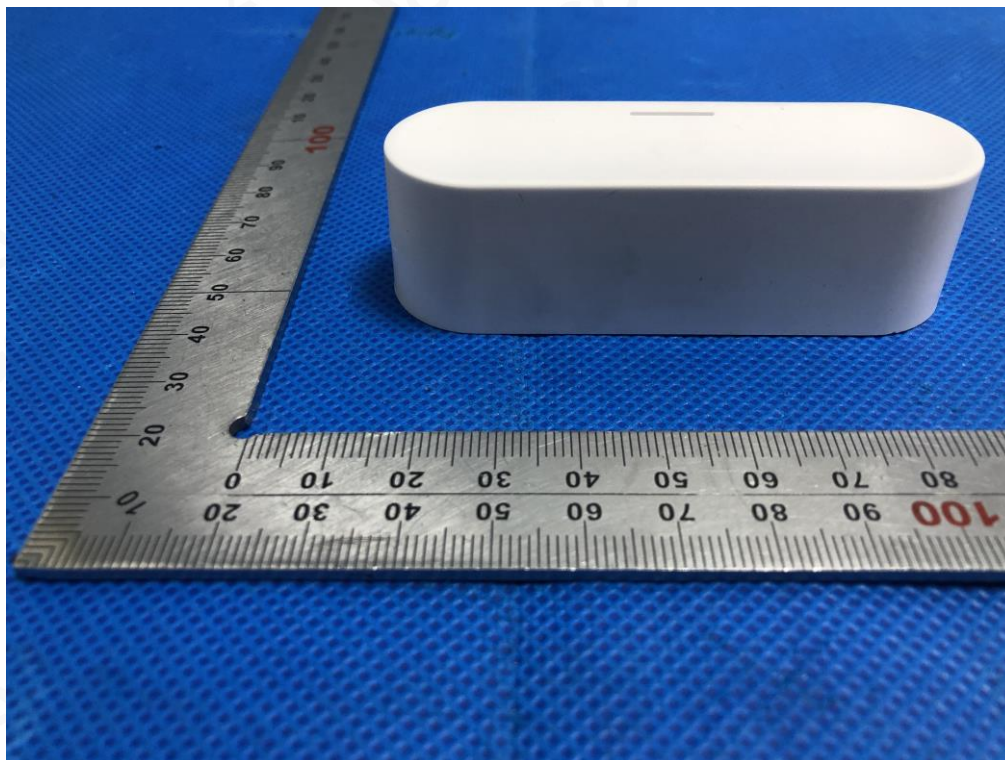
BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



LEFT VIEW OF EUT



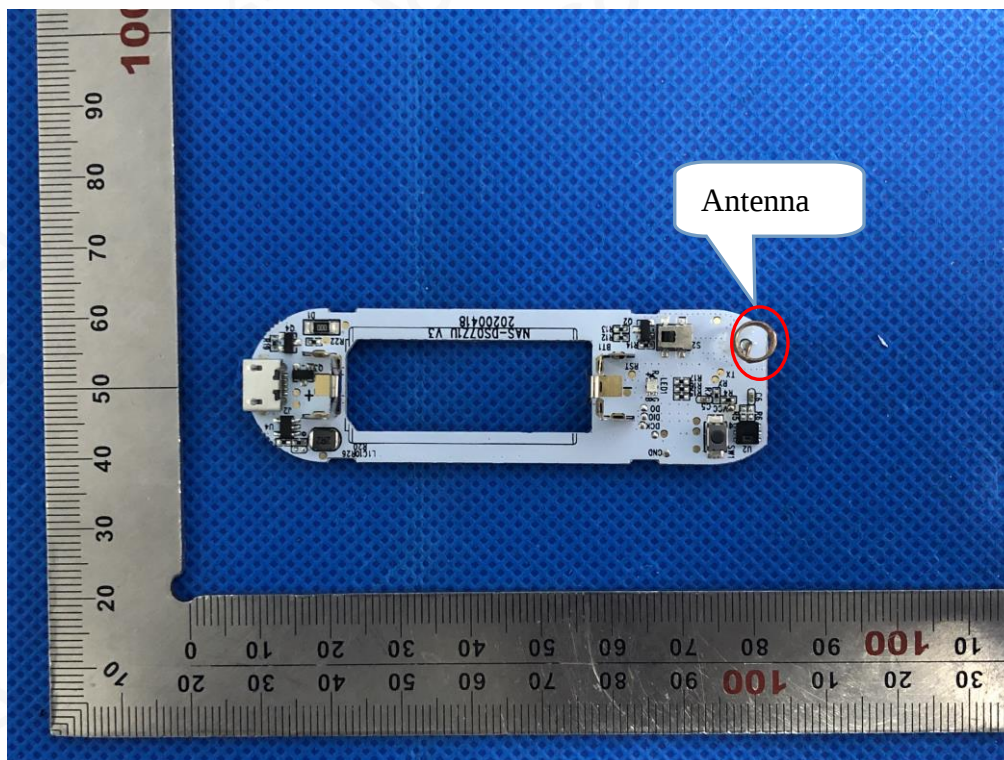
RIGHT VIEW OF EUT



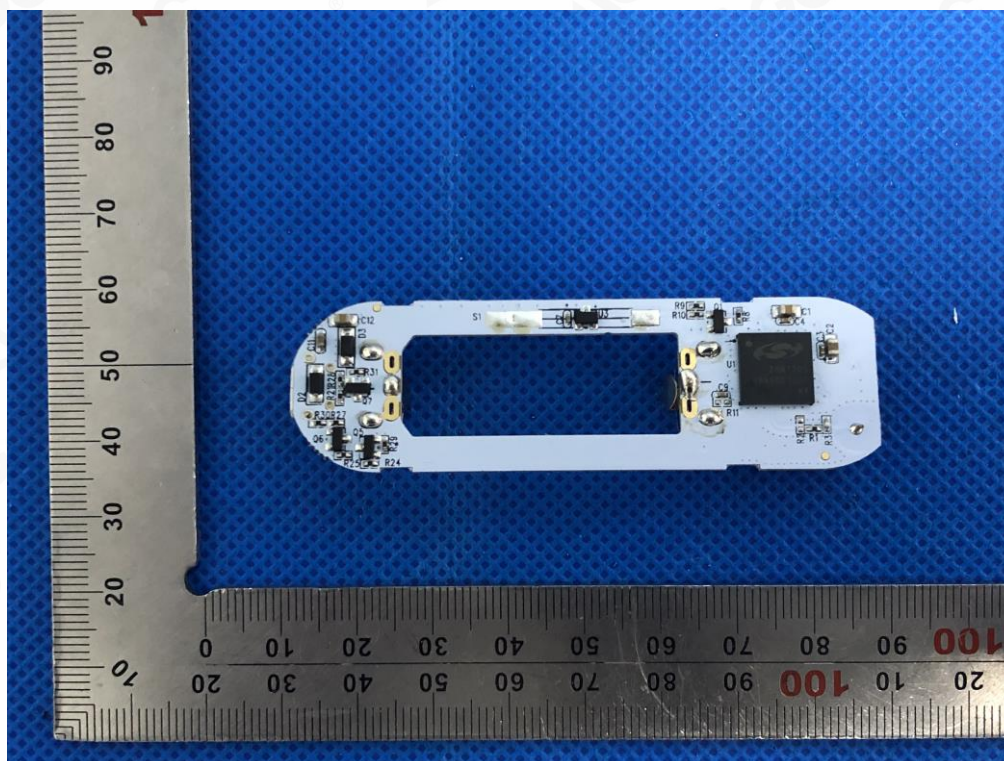
OPEN VIEW OF EUT



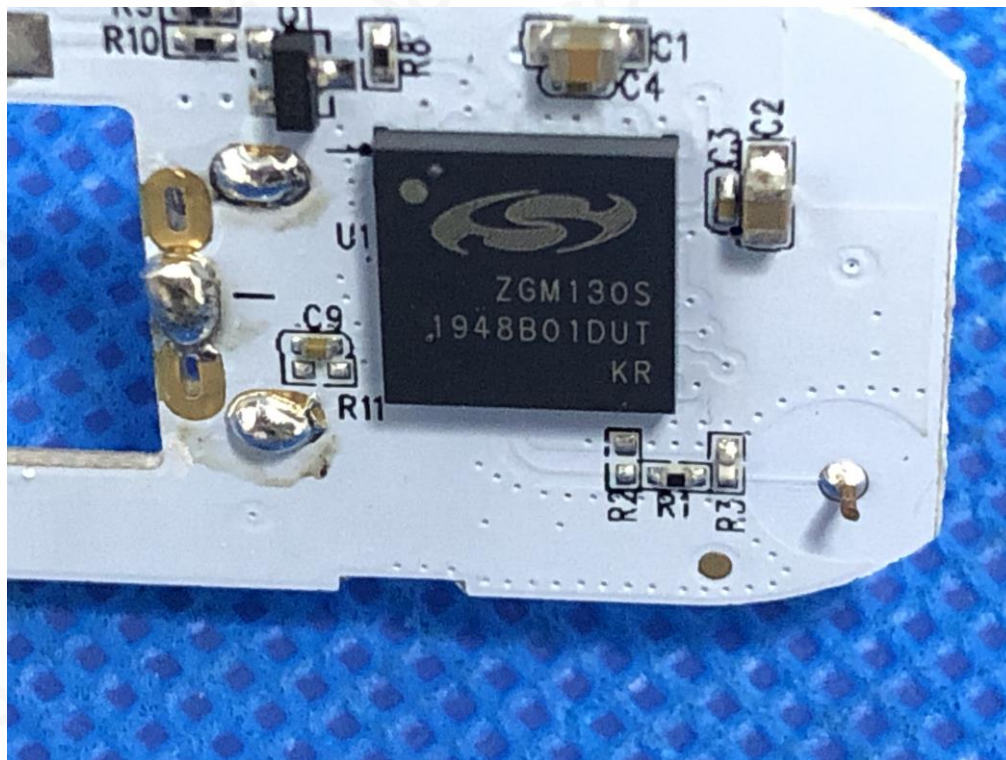
INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2



INTERNAL VIEW OF EUT-3



VIEW OF BATTERY



----END OF REPORT----