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FCC TEST REPORT

Client Name : SHENZHEN NEO ELECTRONICS CO.,LTD

Address East6/F Building 2,Laobing industry,Baoan

District, Shenzhen, 518000, China

Product Name : Repeater

Date : Jan. 16, 2020

Shenzhen Anbotek Compliance Laboratory Limited

Code:AB-RF-05-a

Hotline 400-003-0500 www.anbotek.com



Report No.: SZAWW191017006-01

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TEST REPORT

Applicant : SHENZHEN NEO ELECTRONICS CO.,LTD

Manufacturer : SHENZHEN NEO ELECTRONICS CO.,LTD

Product Name : Repeater

Model No. : NAS-RP01Z1U

Trade Mark : NEO

Rating(s) : Input: AC 85-240V, 50/60Hz

Test Standard(s) : FCC Part15 Subpart C, Paragraph 15.249

Test Method(s) : ANSI C63.10: 2013

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 15 Subpart C requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt
Date of Test
Oct. 17, 2019
Oct. 17~Dec. 18, 2019

Prepared by

(Engineer / Dolly Mo)

Reviewer

(Supervisor / Bibo Zhang)

Approved & Authorized Signer

(Manager / Tom Chen)

Shenzhen Anbotek Compliance Laboratory Limited





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1. General Information

1.1. Client Information

Applicant	:	SHENZHEN NEO ELECTRONICS CO.,LTD
Address	:	East6/F Building 2,Laobing industry,Baoan District,Shenzhen,518000,China
Manufacturer	:	SHENZHEN NEO ELECTRONICS CO.,LTD
Address	:	East6/F Building 2,Laobing industry,Baoan District,Shenzhen,518000,China
Factory	:	SHENZHEN NEO ELECTRONICS CO.,LTD
Address	:	East6/F Building 2,Laobing industry,Baoan District,Shenzhen,518000,China

1.2. Description of Device (EUT)

Product Name	:	Repeater	Anbotek Anbotek Anbotek Anbotek			
Model No.	:	NAS-RP01Z1U	Anbotek Anbotek Anbotek Anbotek			
Trade Mark	:	NEO Amborek Amborek	Anbore Anborek Anborek Ant			
Test Power Supply	:	AC 120V, 60Hz	Lotek Anbotek Anbotek Anbotek			
Test Sample No.		1-2-1(Normal Sample), 1-2-2(Engineering Sample)				
	: ,	Operation Frequency:	908.4 MHz & 916MHz			
Product		Modulation Type:	908.4 MHz: FSK 916 MHz: GFSK			
Description		Antenna Type:	Spring antenna			
		Antenna Gain(Peak):	O dBi			

Remark: 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



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1.3. Auxiliary Equipment Used During Test

. 037	-11		. 63	17.7.1	1.037			
N/A			k Anbe	Anbotek	Anbore	Anborek	Anboten	

1.4. Description of Test Modes

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode		Description				
Mode 1	Aupo, Pak	abotek	CH01	-otek	anbotek	Aupo,
Mode 2	Pupo, rek	A. abotek	CH02	Ann hotek	Anbotek	Ant

For Conducted Emission							
Final Test Mode Description							
Mode 1	inbotek Anbotek Anbotek CH01 Anbote And botek Anbote						
Mode 2	Anbotek And CH02 Anbotek Anh						

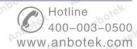
For Radiated Emission							
Final Test Mode	Description						
Mode 1	CH01	Anbo otek Anbore					
Mode 2	CH02	otek Anbo					

Note:

1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.

1.5. List of Channels

	Channel		Freq.		
				(MHz)	
hotek	Anbor	by,	s/4	908.4	- rek
botek	20010	Vier	otek	916	Aupo





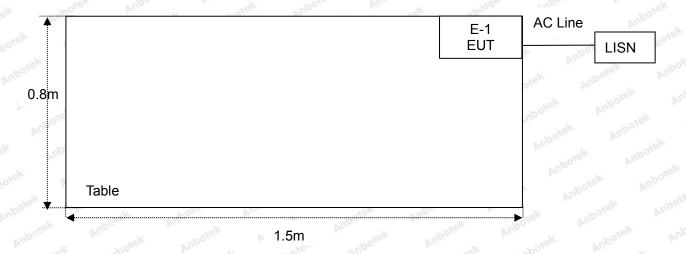
Report No.: SZAWW191017006-01

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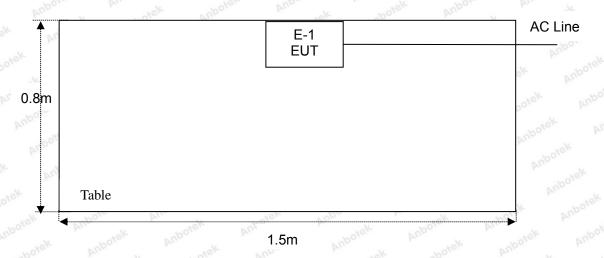
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1.6. Description of Test Setup

CE



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1.7. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1. Ant	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Nov. 04, 2019	1 Year
2.	EMI Test Receiver	Rohde & Schwarz	ESPI3	101604	Nov. 04, 2019	1 Year
3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Nov. 04, 2019	1 Year
4.70	MAX Spectrum Analysis	Agilent	N9020A	MY51170037	Nov. 04, 2019	1 Year
5. P	Preamplifier	SKET Electronic	BK1G18G30 D	KD17503	Nov. 04, 2019	1 Year
6.	Double Ridged Horn Antenna	Instruments corporation	GTH-0118	351600	Nov. 01, 2019	1 Year
Anbore 7.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	Nov. 01, 2019	1 Year
8.	Loop Antenna	Schwarzbeck	FMZB1519B	00053	Nov. 01, 2019	1 Year
9.	Horn Antenna	A-INFO	LB-180400-K F	J211060628	Nov. 01, 2019	1 Year
10.	Pre-amplifier	SONOMA	310N	186860	Nov. 04, 2019	1 Year
11.	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	N/A	N/A
12.	RF Test Control System	YIHENG	YH3000	2017430	Nov. 04, 2019	1 Year
13.	Power Sensor	DAER	RPR3006W	15I00041SN045	Nov. 04, 2019	1 Year
14.	Power Sensor	DAER	RPR3006W	15I00041SN046	Nov. 04, 2019	1 Year
15.	MXA Spectrum Analysis	Agilent	N9020A	MY51170037	Nov. 04, 2019	1 Year
16.0	MXG RF Vector Signal Generator	Agilent	N5182A	MY48180656	Nov. 04, 2019	1 Year
17.	Signal Generator	Agilent	E4421B	MY41000743	Nov. 04, 2019	1 Year
18.	DC Power Supply	LW	TPR-6420D	374470	Nov. 04, 2019	1 Year
19.	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ-KHWS80 B	N/A	Nov. 04, 2019	1 Year





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1.8. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 3.9 dB (Horizontal)	Aupo.	anbotek	Aupore.
		Ur = 3.8 dB (Vertical)	-k And	ik Anbotek	Aupo.
		otek anbotek Ant	John Ann	otek Anbotek	Anbo.
Conduction Uncertainty	:	Uc = 3.4 dB	Aupore Au	abotek Anbote	L Aupo

1.9. Description of Test Facility

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

FCC-Registration No.: 184111

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registed and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 184111, September 27, 2019.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A, March 07, 2019.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102





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2. Summary of Test Results

Standard Section	Result		
15.203	Antenna Requirement	PASS	
15.207	Conducted Emission	PASS	
15.249	Radiated Emission	PASS	
15.215(c)	20dB Bandwidth	PASS	
15.249(c)	Band Edge	PASS	



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3. Conducted Emission Test

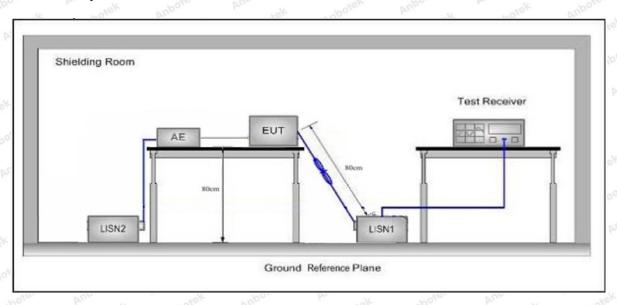
3.1. Test Standard and Limit

Test Standard	FCC Part15 Section 15.207	otek anbotek Anbo	Anborek Anbore			
	Fragueney	Maximum RF Line Voltage (dBuV)				
Test Limit	Frequency	Quasi-peak Level	Average Level			
	150kHz~500kHz	66 ~ 56 *	56 ~ 46 *			
	500kHz~5MHz	56	46			
	5MHz~30MHz	60	50			

Remark: (1) *Decreasing linearly with logarithm of the frequency.

(2) The lower limit shall apply at the transition frequency.

3.2. Test Setup



3.3. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.10-2013 on Conducted Emission Measurement.

The bandwidth of test Repeater (ESCI) set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

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3.4. Test Data

PASS

During the test, pre-scan all the modes, and found the Low channel which is the worst case, only the worst case is recorded in the report.

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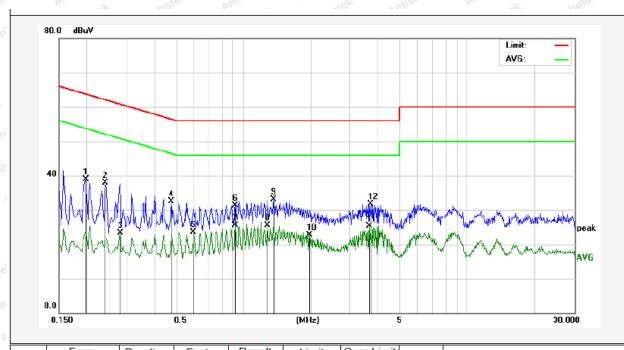
Conducted Emission Test Data

Test Site: 1# Shielded Room

Operating Condition: CH 01

Test Specification: AC 120V, 60Hz

Comment: Live Line



	No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
Ì	1	0.1980	19.07	19.90	38.97	63.69	-24.72	QP	
	2	0.2420	18.09	19.89	37.98	62.02	-24.04	QP	
Ī	3	0.2819	3.44	19.89	23.33	50.76	-27.43	AVG	
	4	0.4780	12.45	19.97	32.42	56.37	-23.95	QP	
Ī	5	0.5980	3.42	20.01	23.43	46.00	-22.57	AVG	
	6	0.9220	11.27	20.10	31.37	56.00	-24.63	QP	
Ī	7	0.9220	5.45	20.10	25.55	46.00	-20.45	AVG	
	8	1.2820	5.44	20.13	25.57	46.00	-20.43	AVG	
	9	1.3700	12.88	20.13	33.01	56.00	-22.99	QP	
1	10	1.9780	2.53	20.14	22.67	46.00	-23.33	AVG	
	11	3.6540	5.10	20.17	25.27	46.00	-20.73	AVG	
	12	3.6980	11.50	20.17	31.67	56.00	-24.33	QP	
-									



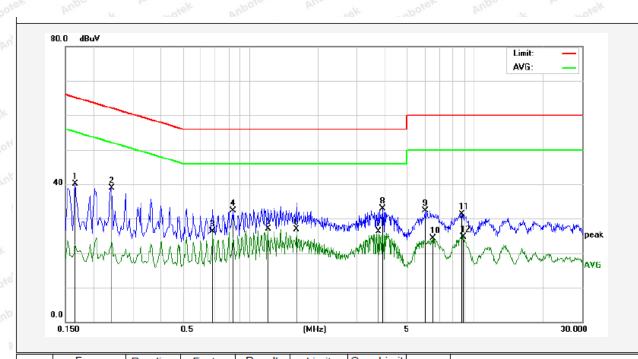
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Conducted Emission Test Data

Test Site: 1# Shielded Room

Operating Condition: CH 01

Test Specification: AC 120V, 60Hz
Comment: Neutral Line



	No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
ŀ	4	, ,	,	, ,	,	,	. ,	OD	
l	1	0.1660	20.16	19.90	40.06	65.15	-25.09	QP	
į	2	0.2420	19.03	19.89	38.92	62.02	-23.10	QP	
	3	0.6820	6.32	20.03	26.35	46.00	-19.65	AVG	
8	4	0.8420	12.19	20.08	32.27	56.00	-23.73	QP	
Ī	5	1.2020	6.91	20.12	27.03	46.00	-18.97	AVG	
1	6	1.6060	6.74	20.13	26.87	46.00	-19.13	AVG	
Ī	7	3.7340	6.17	20.17	26.34	46.00	-19.66	AVG	
	8	3.8900	12.74	20.18	32.92	56.00	-23.08	QP	
	9	6.0220	12.01	20.23	32.24	60.00	-27.76	QP	
	10	6.5060	3.98	20.25	24.23	50.00	-25.77	AVG	
	11	8.7500	10.91	20.31	31.22	60.00	-28.78	QP	
	12	8.9060	4.49	20.31	24.80	50.00	-25.20	AVG	
-							•		



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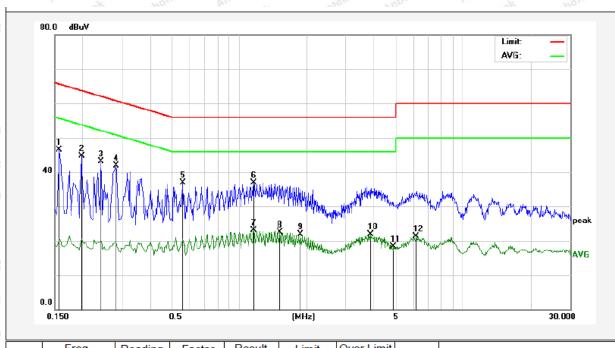
Conducted Emission Test Data

Test Site: 1# Shielded Room

Operating Condition: CH 02

Test Specification: AC 120V, 60Hz

Comment: Live Line



	No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	(dBuV)	Limit (dBuV)	(dB)	Detector	Remark
	1	0.1580	26.67	19.90	46.57	65.56	-18.99	QP	
	2	0.1980	24.71	19.90	44.61	63.69	-19.08	QP	
	3	0.2420	23.28	19.89	43.17	62.02	-18.85	QP	
9	4	0.2819	22.01	19.89	41.90	60.76	-18.86	QP	
	5	0.5620	16.90	20.00	36.90	56.00	-19.10	QP	
1	6	1.1620	16.87	20.12	36.99	56.00	-19.01	QP	
	7	1.1620	3.00	20.12	23.12	46.00	-22.88	AVG	
	8	1.5220	2.28	20.13	22.41	46.00	-23.59	AVG	
	9	1.8820	1.82	20.14	21.96	46.00	-24.04	AVG	
	10	3.8420	1.72	20.18	21.90	46.00	-24.10	AVG	
	11	4.8859	-1.81	20.20	18.39	46.00	-27.61	AVG	
	12	6.1579	1.03	20.24	21.27	50.00	-28.73	AVG	
-									



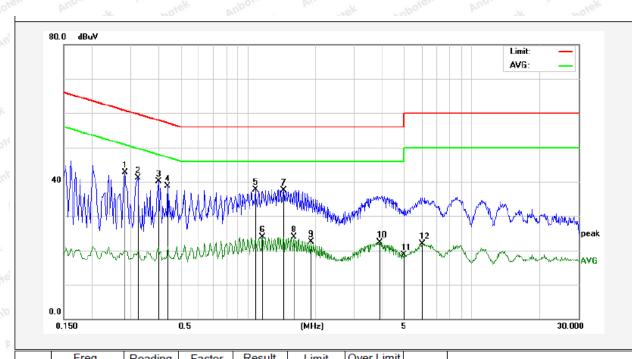
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Conducted Emission Test Data

Test Site: 1# Shielded Room

Operating Condition: CH 02

Test Specification: AC 120V, 60Hz
Comment: Neutral Line



	No.	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	Detector	Remark
	1	0.2819	22.82	19.89	42.71	60.76	-18.05	QP	
	2	0.3220	21.30	19.90	41.20	59.65	-18.45	QP	
Ī	3	0.3980	20.08	19.93	40.01	57.89	-17.88	QP	
	4	0.4380	18.75	19.95	38.70	57.10	-18.40	QP	
	5	1.0780	17.68	20.12	37.80	56.00	-18.20	QP	
	6	1.1620	3.71	20.12	23.83	46.00	-22.17	AVG	
	7	1.4420	17.45	20.13	37.58	56.00	-18.42	peak	
	8	1.6019	3.71	20.13	23.84	46.00	-22.16	AVG	
	9	1.9220	2.31	20.14	22.45	46.00	-23.55	AVG	
	10	3.8860	2.12	20.18	22.30	46.00	-23.70	AVG	
	11	4.9620	-1.51	20.21	18.70	46.00	-27.30	AVG	
	12	5.9980	1.76	20.23	21.99	50.00	-28.01	AVG	



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4. Radiated Emission and Band Edge

4.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15	5.209 and 15.205	potek Aupor	ok spoi	rek Anboter
	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	Anbo	Anbotek	300
	0.490MHz-1.705MHz	24000/F(kHz)	Anbo wote	k -upotek	30
	1.705MHz-30MHz	30	ote. Aug	otek - Anbot	30
Test Limit	30MHz~88MHz	100	40.0	Quasi-peak	otek 3 Anbo
	88MHz~216MHz	150	43.5	Quasi-peak	Anboten 3 Ar
	216MHz~960MHz	200	46.0	Quasi-peak	Anbola 3
	960MHz~1000MHz	500	54.0	Quasi-peak	3
	Al 4000MH-	500	54.0	Average	3,000
	Above 1000MHz	K Kotek	74.0 And	Peak	otek 3 Anbol

Remark:

- (1) The lower limit shall apply at the transition frequency.
- (2) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

Test Standard	FCC Part15 C	Section 15.249	Anbotek Anbe	otek vup	otek Anb	otok Aupo	
	Fundamental frequency (MHz)	Field Strength	Limit (microvolts/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)	
Test Limit	ipo, tek	Fundamental	50	94.0	Quasi-peak	3 otek	
	902~928	Dorek A	500	74.0	Average	a botek	
	Anbo.	Harmonics	Anbores And	94.0	Peak	atek 3 nabo	

Remark:

(1) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

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4.2. Test Setup

Figure 1. Below 30MHz

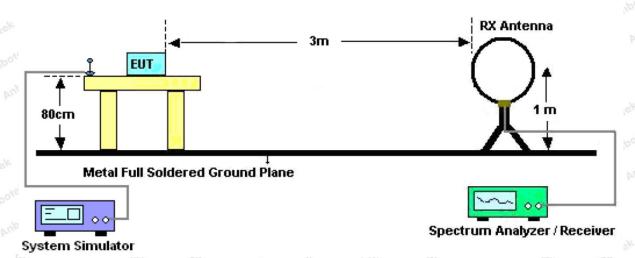


Figure 2. 30MHz to 1GHz

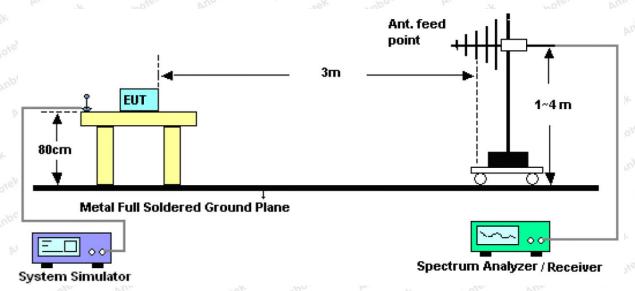
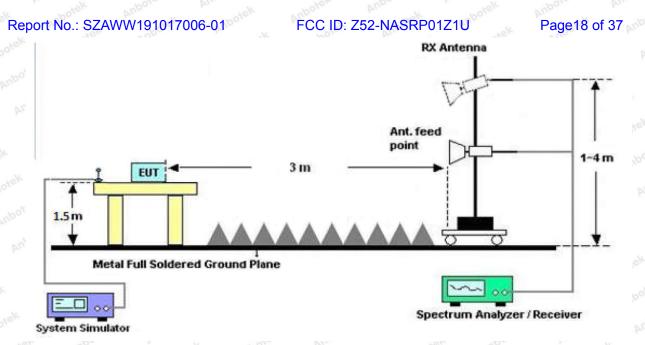


Figure 3. Above 1 GHz





4.3. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane.

For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9*6*6 Chamber. The device is evaluated in xyz orientation.

For the radiated emission test above 1GHz:

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.

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:

RBW = 9KHz, VBW =30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.







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For 30MHz to 1000MHz, Set the spectrum analyzer as:

RBW = 100kHz, VBW =300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For above 1GHz, Set the spectrum analyzer as:

RBW =1MHz, VBW =1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple.

RBW =1MHz, VBW =10Hz, Detector= Average, Trace mode= Max hold, Sweep- auto couple.

4.4. Test Data

PASS

During the test, Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the X-axis is the worst case.

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.



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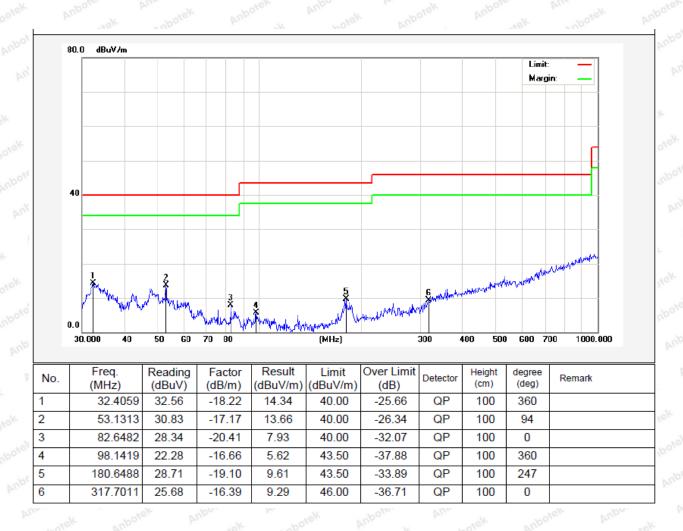
Test Results (30~1000MHz)

Test Mode: CH 01

Power Source: AC 120V, 60Hz

Polarization: Vertical

21.9°C/50%RH Temp.(°C)/Hum.(%RH):



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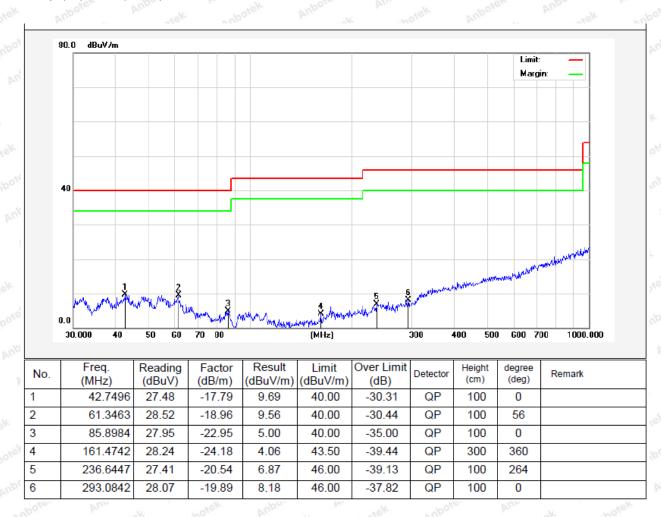
Test Results (30~1000MHz)

Test Mode: CH 01

Power Source: AC 120V, 60Hz

Polarization: Horizontal

21.9°C/50%RH Temp.(°C)/Hum.(%RH):





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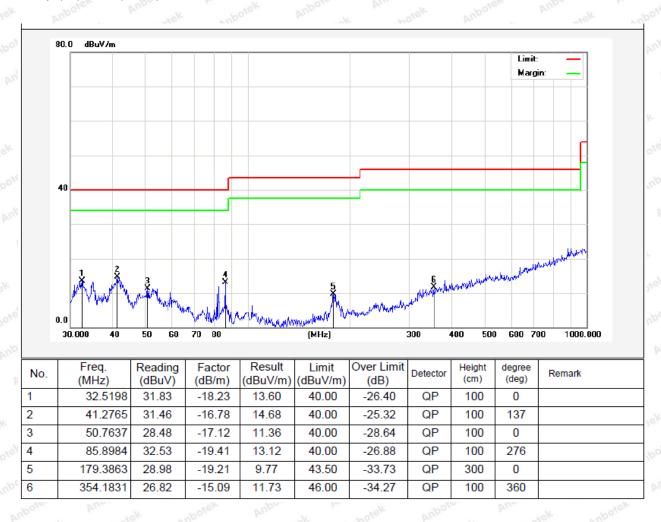
Test Results (30~1000MHz)

Test Mode: CH 02

Power Source: AC 120V, 60Hz

Polarization: Vertical

Temp.(°C)/Hum.(%RH): 21.9°C/50%RH





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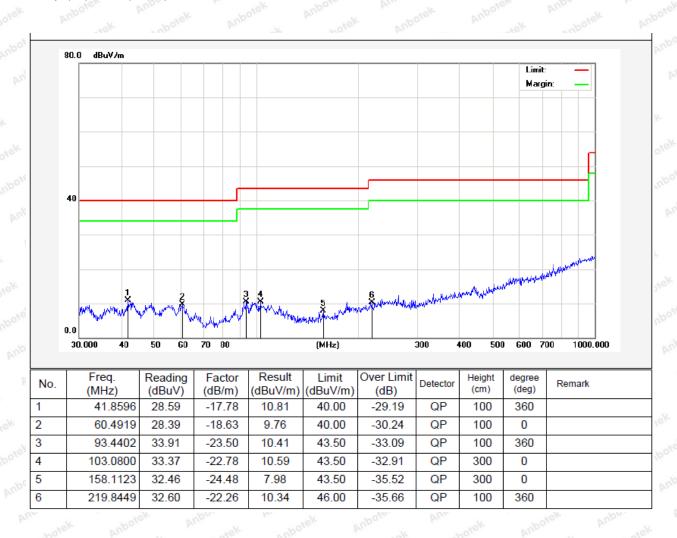
Test Results (30~1000MHz)

Test Mode: CH 02

Power Source: AC 120V, 60Hz

Polarization: Horizontal

21.9°C/50%RH Temp.(°C)/Hum.(%RH):





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Harmonics Emissions (CH01: 908.4MHz)

Frequency	Antenna	Reading	Cable Loss	Ant Factor	Amplifier	Level	Limits	Margin	Det.
(MHz)	Pol. Pol.	(dBuV/m)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Mode
1816.8000	H	49.85	7.39	28.73	26.31	59.66	74	-14.34	PK
1816.8000	nbore H	40.20	7.39	28.73	26.31	50.01	54	-3.99	AV
2725.2000	Auplien	48.50	8.10	29.71	27.01	59.30	74 mbo	-14.70	PK
2725.2000	pHotel	37.85	8.10	29.71	27.01	48.65	54	-5.35	AV
3633.6000	Hanbo	- Anh	10.	- notel	Pupo,	/ bus	word-	Anbotek	PK
3633.6000	ek H	potek	rupo.	/0'	rok An	DOJO b	Les Alex	Antorek	AV
1816.8000	V	45.14	7.39	28.73	26.31	54.95	74	-19.05	PK
1816.8000	V	38.91	7.39	28.73	26.31	48.72	54	-5.28	AV
2725.2000	Pup A	45.33	8.10	29.71	27.01	56.13	74	-17.87	PK
2725.2000	V	37.33	8.10	29.71	27.01	48.13	54	-5.87	AV
3633.6000	Vanbo	* - bu,	woł o k	Artbotek	-Aupon	10K -	tootek_	Aupora-	PK
3633.6000	ek V An	bose b	ur - tek		ek _ An	10. P.	*00*0K	Aupose	AV



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CH02(916MHz)

Frequency	Antenna	Reading	Cable Loss	Ant Factor	Amplifier	Level	Limits	Margin	Det.
(MHz)	Pol.	(dBuV/m)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Mode
1832.0000	horeH	50.67	7.39	28.73	26.31	60.48	74	-13.52	PK
1832.0000	nbHek	39.50	7.39	28.73	26.31	49.31	54	-4.69	AV
2748.0000	Hotek	48.14	8.10	29.71	27.01	58.94	74	-15.06	PK
2748.0000	H	38.02	8.10	29.71	27.01	48.82	54	-5.18	AV
3664.0000	H	notek-	Aupotek	PUDDO.	rek -	potek p	nbors	Pur	PK
3664.0000	H	- Olek	Antorek	PU.D.	Pro//-	-botek	Aupolo.	Am-	AV
1832.0000	pose	46.13	7.39	28.73	26.31	55.94	74	-18.06	PK
1832.0000	Anb Ver	39.25	7.39	28.73	26.31	49.06	54	-4.94	AV
2748.0000	Votek	46.03	8.10	29.71	27.01	56.83	× 74	-17.17	PK
2748.0000	V	37.87	8.10	29.71	27.01	48.67	54	-5.33	AV
3664.0000	V	potek P	'upoter	Vun.	ek anl	ooker b	100	obetek	PK
3664.0000	V	-potok	Pupolen	- Arro	otek	upotek	Aupo-	-botek	AV

Remark:

- 1. Level = Reading + Cable Loss+Ant Factor-Amplifier
- 2. " -- " Mark indicated Background Noise Level



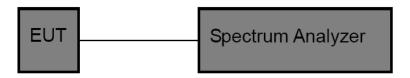
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5. 20dB Bandwidth Test

5.1. Test Standard and Limit

Test Standard FCC Part15 C Section 15.249

5.2. Test Setup



5.3. Test Procedure

- 1. Place the EUT on the table and set it in the transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as:

RBW = 3kHz, VBW≥3*RBW =10kHz,

Detector= Average

Trace mode= Max hold.

Sweep- auto couple.

- 4. Mark the peak frequency and -20dB (upper and lower) frequency.
- 5. Repeat until all the rest channels are investigated.

5.4. Test Data

 Test Item
 : 20dB Bandwidth
 Test Mode
 : CH01 & CH02

 Test Voltage
 : AC 120V, 60Hz
 Temperature
 : 22.4℃

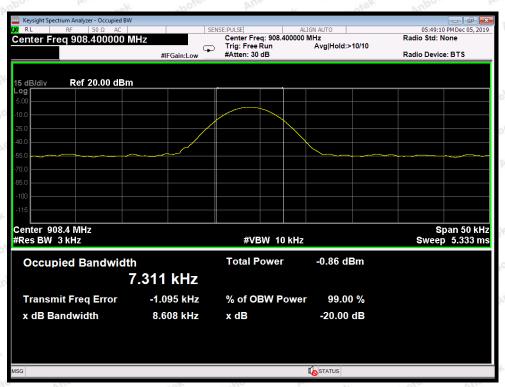
 Test Result
 : PASS
 Humidity
 : 55%RH

Test Modulation	Frequency (MHz)	Bandwidth (kHz)	Result
FSK	908.4MHz	8.608	PASS
GFSK	916MHz	8.647	PASS

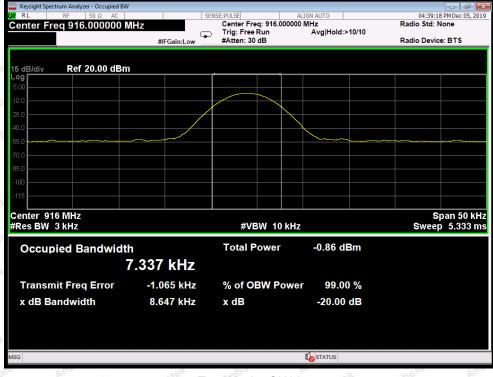




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Test Mode: CH01



Test Mode: CH02



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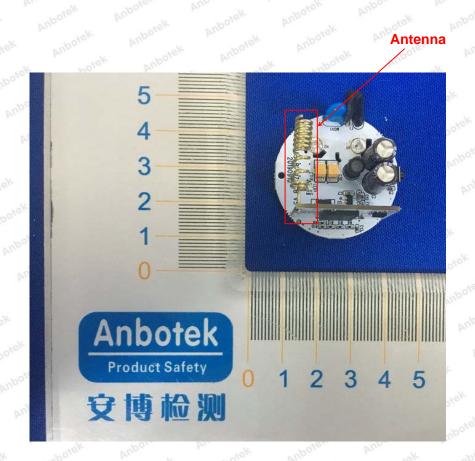
6. Antenna Requirement

6.1. Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203
	1) 15.203 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
Requirement	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.

6.2. Antenna Connected Construction

The antenna is a Spring Antenna which permanently attached, and the best case gain of the antenna is 0 dBi. It complies with the standard requirement.



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APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of Conducted Emission Test



Photo of Radiation Emission Test



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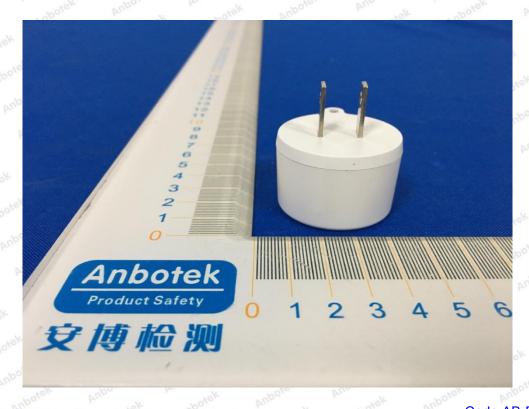
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APPENDIX II -- EXTERNAL PHOTOGRAPH





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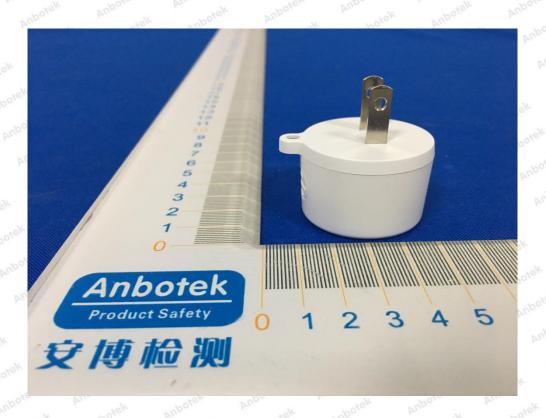
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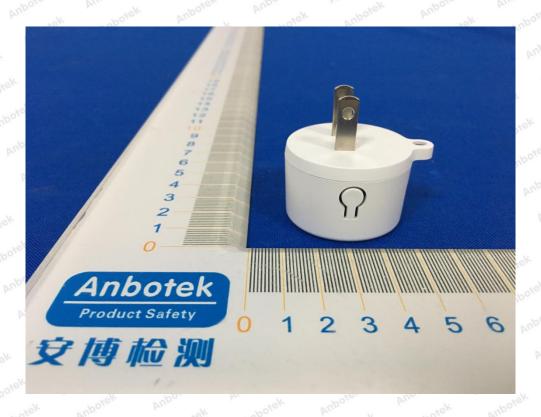
Hotline
400-003-0500

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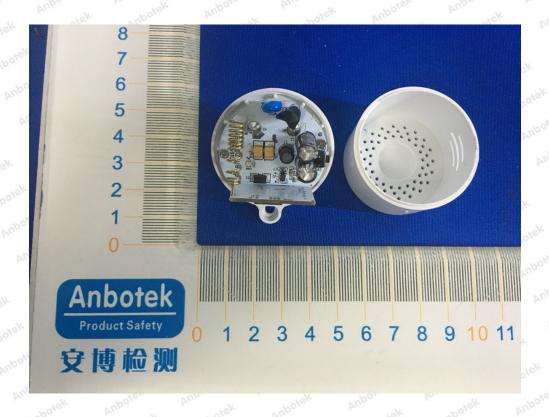
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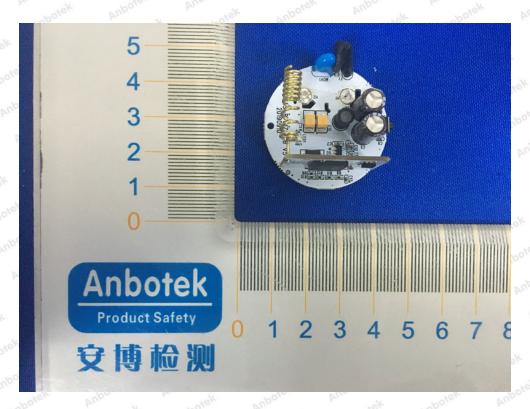
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APPENDIX III -- INTERNAL PHOTOGRAPH





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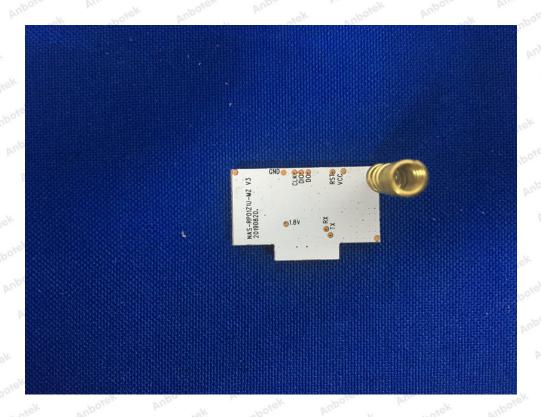


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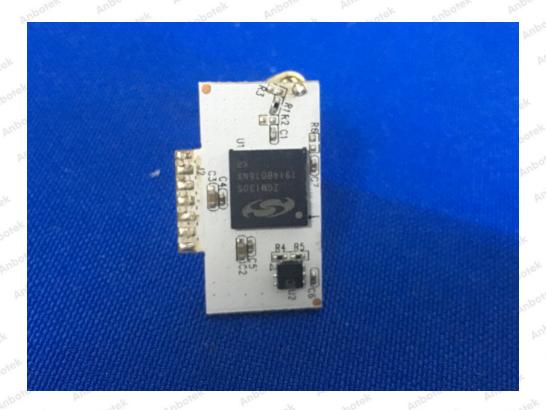
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-- End of Report -----

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