FCC TEST REPORT

For

BICOM INC.

Wireless Microphone

Model No.: SIMEON SPREK T

Prepared For : BICOM INC.

Address #2F, 7, Yanghyeon-ro 405beon-gil, Jungwon-gu, Seongnam-si,

Gyeonggi-do, South Korea

Prepared By : Shenzhen Anbotek Compliance Laboratory Limited

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Report Number : SZAWW181122006-01

Date of Receipt : Nov. 22, 2018

Date of Test : Nov. 22~Dec. 21, 2018

Date of Report : Dec. 21, 2018



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TEST REPORT

Applicant : BICOM INC.

Manufacturer : BICOM INC.

Product Name : Wireless Microphone

Model No. : SIMEON SPREK T

Trade Mark : N.A.

Rating(s) : Input: DC 5V, 2A(with DC 3.7V, 650mAh Battery inside)

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 Test	Nov. 22~Dec. 21, 2018
Prepared by	obiaj arg
* Approved *	(Engineer / Oliay Yang)
Thotek Anbor Anbor	Anboree And ak stek shoot An tek
Reviewer	Snavy Meng
	(Supervisor / Snowy Meng)
	otek Anbore Ann otek mbotek Anbo ok hot
	Sally Zhong
Approved & Authorized Signer	And Andrew Andors Am tek botek
	(Manager / Sally Zhang)

1. General Information

1.1. Client Information

Applicant	:	BICOM INC.
Address	:	#2F, 7, Yanghyeon-ro 405beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, South Korea
Manufacturer		BICOM INC.
Address		#2F, 7, Yanghyeon-ro 405beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, South Korea
Factory	:	BICOM INC.
Address	:	#2F, 7, Yanghyeon-ro 405beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, South Korea

1.2. Description of Device (EUT)

,0	Product Name	:	Wireless Microphone	Anbotek Anbotek Anbotek Anb
	Model No.	:	SIMEON SPREK T	tek Anbotek Anbotek Anbot A
	Trade Mark	:	N.A.	notek Anbotek Anbotek Anbotek
	Test Power Supply	:	AC 240V, 60Hz for adapter/ AC	120V, 60Hz for adapter/ DC 3.7V battery inside
K	Test Sample No.	:	S1(Normal Sample), S2(Engineer	ring Sample)
0			Operation Frequency:	903MHz~927MHz
3	Product		Modulation Type:	FSK Andrew Andrew
	Description	:	Antenna Type:	Shrapnel Antenna
2			Antenna Gain(Peak):	0 dBi
	D 1 1)E	10	1 1 1 (41)	CO 1 1 C 1 K2 100 11 M1

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

1.3. Auxiliary Equipment Used During Test

	Adapter	:	Manufacturer: Samsung		Anbor	Air. Potek	Anboten
4			M/N: ETA-U90CBC		Anbore.		abote
33			S/N: RT6FB17ZS/B-E				Pr.
			Input: 100-240V~ 50-60Hz, 0.354	A Anbor			Ant
o)			Output: DC 5V, 2A	tek Anbo	ie. And	rek nbo	tek

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	botek Kupatek Mundak CH01 Patek Mundak Mundak
Mode 2	CH13 Anbotek Annual CH13
Mode 3	CH25 Anbotek Anbotek Anbotek
Mode 4	Keeping TX+ Charging Mode

	For Conducted Emission	
Final Test Mode	Description	
Mode 4	Keeping TX+ Charging Mode	Anbo

	For Radiated Emission								
F	inal Test Mo	ode			Desc	cription			
Anbor	Mode 1	otek A	poter	Anbo	Anbotek C	H01	K VIII	notek	Anbotek
Anbo	Mode 2	nbotek	Anbote	Ann	AnboteC	H13 мпрото	rek W	botek	Anbo
CON AL	Mode 3	anbotek	Anbole	k And	K Ant C	H25	-tek	Air	P.
poter	Mode 4	Anbotek	Anbore	Yak Yar	Keeping TX+	Charging M	lode	A. nbc	tek

1.5. List of channels

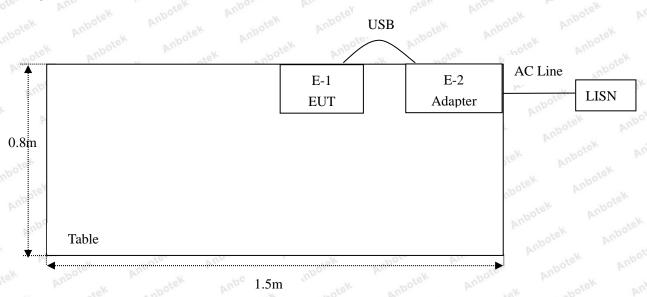
Channel	Freq.	Channel	Freq.
Chamici	(MHz)	Chamier	(MHz)
01 e Andre	903	otek Amil 14	916
02	904	hotek Alsore An	917
03	905	10,00	918
04	906	Anbo sek 17 shotek	919
hotel 05	907	18	920
06	908	19 And	921
07	909	20	922
08	910	21 tek Ant	923
09	911,000	22	924
and tek 10 abotek	912	23	925
Anbot ok 11 hotek	913	24	926
Anbotto 12 And otek	914	25 Anbore	927
13	915 Anbour	And otek anbote	Anbot An

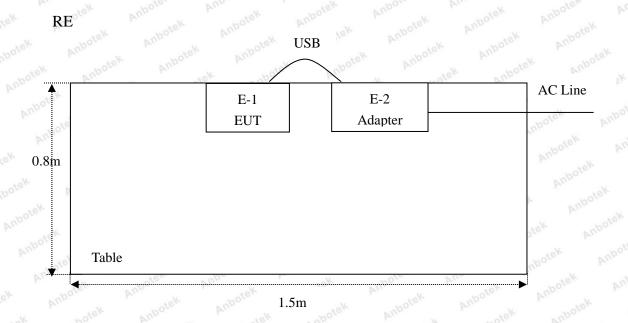
Note:

- 1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.
- 2. EUT built-in battery-powered, fully-charged battery use of the test battery.

1.6. Description of Test Setup

CE







1.7. Test Equipment List

17.50	-V	VILL	, ch	p.,	ofe,	Cl
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
otek 1. Inbotek	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Nov. 05, 2018	1 Year
2.00	EMI Test Receiver	Rohde & Schwarz	ESPI3	101604	Nov. 05, 2018	1 Year
3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Nov. 05, 2018	1 Year
4.	Spectrum Analysis	Agilent	E4407B	US39390582	Nov. 05, 2018	1 Year
5.	MAX Spectrum Analysis	Agilent	N9020A	MY51170037	Nov. 05, 2018	1 Year
6.	Preamplifier	SKET Electronic	BK1G18G30D	KD17503	Nov. 05, 2018	1 Year
Anbox 7.	Double Ridged Horn Antenna	Instruments corporation	GTH-0118	351600	Nov. 20, 2018	1 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	Nov. 19, 2018	1 Year
9.	Loop Antenna	Schwarzbeck	FMZB1519B	00053	Nov. 20, 2018	1 Year
10.	Horn Antenna	A-INFO	LB-180400-K F	J211060628	Nov. 20, 2018	1 Year
11.,,	Pre-amplifier	SONOMA	310N	186860	Nov. 05, 2018	1 Year
12.	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	N/A	N/A
13.	RF Test Control System	YIHENG	YH3000	2017430	Nov. 05, 2018	1 Year
14.	Power Sensor	DAER	RPR3006W	15I00041SN045	Nov. 05, 2018	1 Year
15.	Power Sensor	DAER	RPR3006W	15I00041SN046	Nov. 05, 2018	1 Year
16.	MXA Spectrum Analysis	Agilent	N9020A	MY51170037	Nov. 05, 2018	1 Year
17.	MXG RF Vector Signal Generator	Agilent	N5182A	MY48180656	Nov. 05, 2018	1 Year
18.	Signal Generator	Agilent	E4421B	MY41000743	Nov. 05, 2018	1 Year
19.	DC Power Supply	IVYTECH	IV3605	1804D360510	Apr. 02, 2018	1 Year
20.	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ-KHWS80B	N/A Model	Nov. 01, 2018	1 Year

1.8. 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, July 31, 2017.

ISED-Registration No.: 8058A-1

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-1, June 13, 2016.

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

1.9. Measurement Uncertainty

Rad	diation Uncertainty	:	Ur = 4.1 dB (Horizo	ontal)	otek A	nbotek A	upoter	Vuo.
of			Ur = 4.3 dB (Vertice)	al)	notek	Anbotek	Anbo. stek	be.
			Anbotek Ant	or lek	Amabotek	Anboten	Anbo	ek h
Con	nduction Uncertainty	:	Uc = 3.4dB	Aupor	Ai.	Anboten	Anbo	otek



2. Summary of Test Results

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



3. Conducted Emission Test

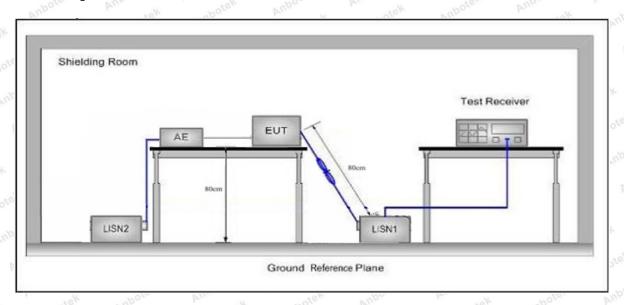
3.1. Test Standard and Limit

Test Standard	FCC Part15 Section 15.20	7 Anbote And botek	Anbotek Anbo tek
	F.,,	Maximum RF	Line Voltage (dBuV)
	Frequency	Quasi-peak Level	Average Level
Test Limit	150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
	500kHz~5MHz	56 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 receiver (ESCI) set at 9kHz.

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

3.4. Test Data

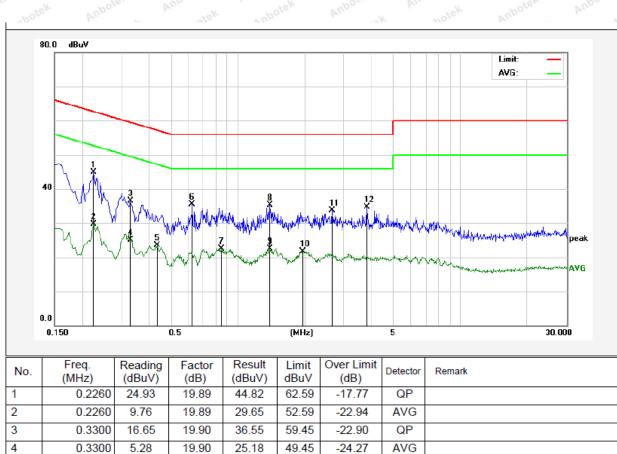
Please to see the following pages.

Test Site: 1# Shielded Room

Operating Condition: Keeping TX+ Charging Mode
Test Specification: AC 240V, 60Hz for adapter

Comment: Live Line

Tem.: 23.4℃ Hum.: 56%



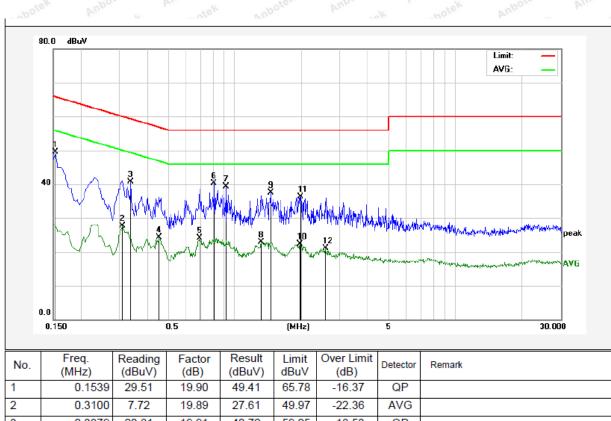
No.	Freq.	Reading	Factor	Result	Limit	Over Limit	Detector	Remark
INO.	(MHz)	(dBuV)	(dB)	(dBuV)	dBuV	(dB)	Detector	Kemark
1	0.2260	24.93	19.89	44.82	62.59	-17.77	QP	
2	0.2260	9.76	19.89	29.65	52.59	-22.94	AVG	
3	0.3300	16.65	19.90	36.55	59.45	-22.90	QP	
4	0.3300	5.28	19.90	25.18	49.45	-24.27	AVG	
5	0.4340	3.59	19.95	23.54	47.18	-23.64	AVG	
6	0.6260	15.43	20.02	35.45	56.00	-20.55	QP	
7	0.8460	2.37	20.08	22.45	46.00	-23.55	AVG	
8	1.3980	15.21	20.13	35.34	56.00	-20.66	QP	
9	1.3980	2.38	20.13	22.51	46.00	-23.49	AVG	
10	1.9660	1.56	20.14	21.70	46.00	-24.30	AVG	
11	2.6580	13.57	20.15	33.72	56.00	-22.28	QP	
12	3.8180	14.43	20.18	34.61	56.00	-21.39	QP	

Test Site: 1# Shielded Room

Operating Condition: Keeping TX+ Charging Mode
Test Specification: AC 240V, 60Hz for adapter

Comment: Neutral Line

Tem.: 23.4℃ Hum.: 56%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Over Limit (dB)	Detector	Remark
1	0.1539	29.51	19.90	49.41	65.78	-16.37	QP	
2	0.3100	7.72	19.89	27.61	49.97	-22.36	AVG	
3	0.3379	20.81	19.91	40.72	59.25	-18.53	QP	
4	0.4540	4.42	19.96	24.38	46.80	-22.42	AVG	
5	0.6900	4.10	20.04	24.14	46.00	-21.86	AVG	
6	0.8059	20.24	20.07	40.31	56.00	-15.69	QP	
7	0.9140	19.25	20.10	39.35	56.00	-16.65	QP	
8	1.3220	2.77	20.13	22.90	46.00	-23.10	AVG	
9	1.4500	17.37	20.13	37.50	56.00	-18.50	QP	
10	1.9740	2.19	20.14	22.33	46.00	-23.67	AVG	
11	1.9820	16.17	20.14	36.31	56.00	-19.69	QP	
12	2.5780	0.96	20.15	21.11	46.00	-24.89	AVG	

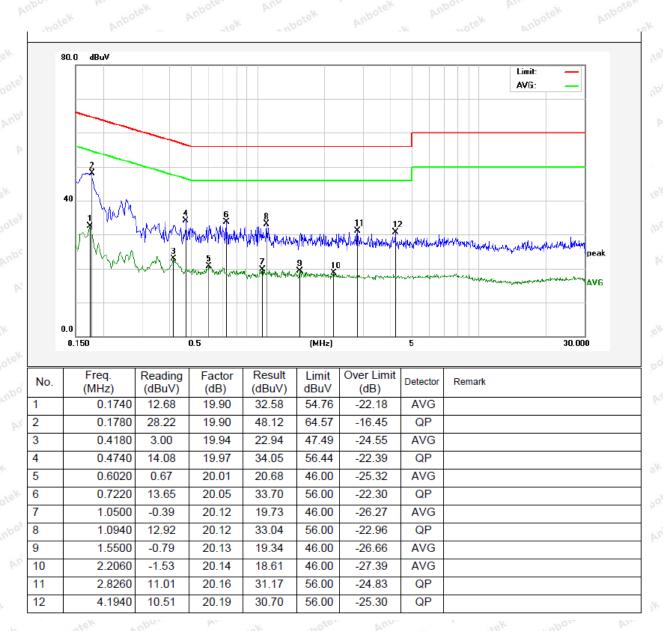
Code:AB-RF-05-a

Test Site: 1# Shielded Room

Operating Condition: Keeping TX+ Charging Mode
Test Specification: AC 120V, 60Hz for adapter

Comment: Live Line

Tem.: 23.4°C Hum.: 56%



6

8

9

10

11

12

0.8220

1.0940

1.1460

1.4060

1.4819

1.9340

1.9580

16.19

16.55

1.89

16.39

0.99

0.63

14.94

20.07

20.12

20.12

20.13

20.13

20.14

20.14

36.26

36.67

22.01

36.52

21.12

20.77

35.08

56.00

56.00

46.00

56.00

46.00

46.00

56.00

-19.74

-19.33

-23.99

-19.48

-24.88

-25.23

-20.92

QP

QP

AVG

QP

AVG

AVG

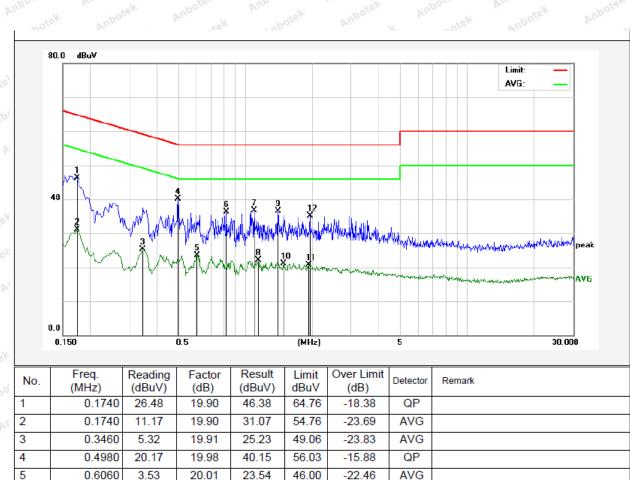
QP

Test Site: 1# Shielded Room

Operating Condition: Keeping TX+ Charging Mode
Test Specification: AC 120V, 60Hz for adapter

Comment: Neutral Line

Tem.: 23.4°C Hum.: 56%



4. Radiation Spurious Emission and Band Edge

4.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.20	09 and 15.205	All	Anboten A	inpo stek
	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	obotek - Anbo	o Pur	300
	0.490MHz-1.705MHz	24000/F(kHz)	Anbotek Ar	Pore VIII	30 MAD
	1.705MHz-30MHz	30	Anbatek	Anbore P	30
Test Limit	30MHz~88MHz	100	40.0	Quasi-peak	3 e k
	88MHz~216MHz	150	43.5	Quasi-peak	3 _{botek}
	216MHz~960MHz	200	46.0	Quasi-peak	sek 3 potel
	960MHz~1000MHz	500	54.0	Quasi-peak	stek 3
	A1. 1000MI	500	54.0	Average	noo del3
	Above 1000MHz	botek - Anbote	74.0	Peak	Ambe 3ek

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 S	ection 15.249	boten Anbo	k vupotek	Anboro	ok And hotek
	Fundamental frequency (MHz)	Field Strength	Limit (microvolts/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
Test Limit	stek anbot	Fundamental	50	94.0	Quasi-peak	3
	902~928	potek Anbol	500	74.0	Average	3
	Anbo otek	Harmonics	oote And	94.0	Peak	3 abotek

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.



4.2. Test Setup

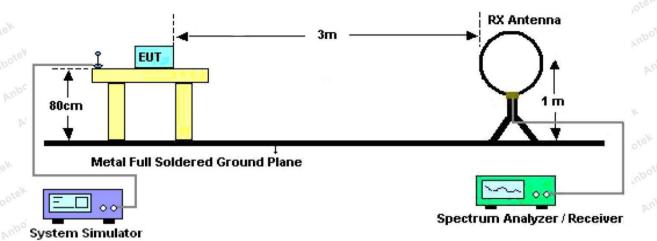


Figure 1. Below 30MHz

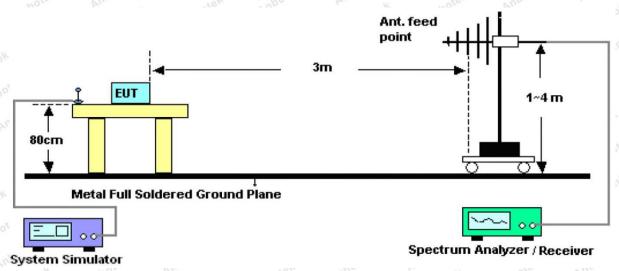


Figure 2. 30MHz to 1GHz

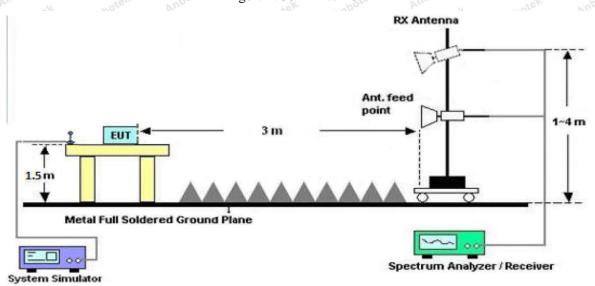


Figure 3. Above 1 GHz



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.

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

RBW = 120KHz, 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.

Note: The Low channel which is the worst case, only the worst case is recorded in the report.



Test Results (30~1000MHz)

903.5094

6

95.26

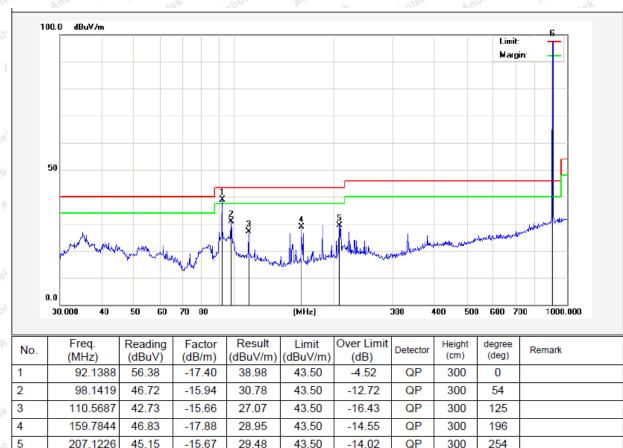
-3.71

91.55

Job No.: SZAWW181122006-01 Temp.(℃)/Hum.(%RH): 24.2℃/54%RH

Standard: FCC PART 15C Power Source: DC 3.7V battery inside

Test Mode: Keeping TX Mode Polarization: Horizontal



94.00

-2.45

QP

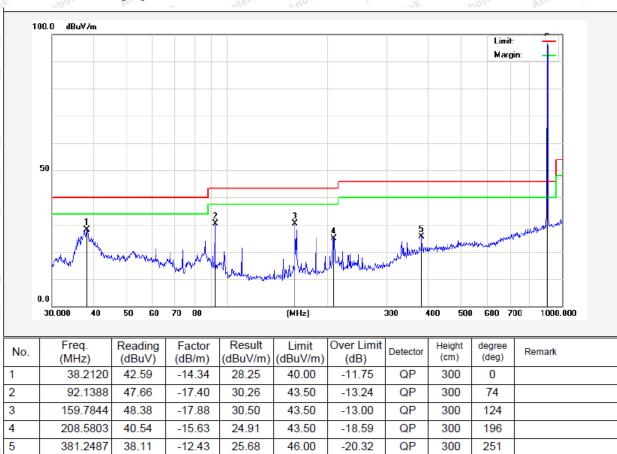
360



Temp.(°C)/Hum.(%RH): 24.2°C/54%RH Job No.: SZAWW181122006-01

FCC PART 15C DC 3.7V battery inside Standard: Power Source:

Keeping TX Mode Polarization: Vertical Test Mode:





Harmonics Emissions CH01

Anbor	bri	401	aboter	VUP	V	otek Ar	POLO	7112	abote
Frequency	Antenna	Reading	Cable Loss	Ant Factor	Amplifier	Level	Limits	Margin	Det.
ore Au	- No.	*Botek	Pupo,	by	2016	Anboter	Anb	r 20	ek p
(MHz)	Pol.	(dBuV/m)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Mode
1806.0000	H	49.85	7.39	28.73	26.31	59.66	74	-14.34	PK
1806.0000	H	40.20	7.39	28.73	26.31	50.01	54	-3.99	AV
2709.0000	H	48.50	8.10	29.71	27.01	59.30	74	-14.70	PK
2709.0000	H	37.85	8.10	29.71	27.01	48.65	54	-5.35	AV
3612.0000	upoter.	Aup.	~/0	otek	Aupore-	Anotek	Anbote	-Anbo	PK
3612.0000	$^{\nu}H_{rs,\mu}$	Fupor	ek	-botek	Aupoten.	Aug.	ek vup.	otek An'	AV
1806.0000	Vabote	45.14	7.39	28.73	26.31	54.95	74	-19.05	PK
1806.0000	V	38.91	7.39	28.73	26.31	48.72	54	-5.28	AV
2709.0000	V V	45.33	8.10	29.71	27.01	56.13	74	-17.87	PK
2709.0000	V	37.33	8.10	29.71	27.01	48.13	54	-5.87	AV
3612.0000	obov V	Pur otek	Anb	16k	rupo_	-botek	Pupote.	_Anb	PK
3612.0000	AnV	Ans	ek v	abotek	Aupor	- note	K Anbo	re Vul	AV

CH13

WO! 6	PULL	1	494	700	100	W	700	1000	100
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
1830.0000	H	50.67	7.39	28.73	26.31	60.48	74	-13.52	PK
1830.0000	H H	39.50	7.39	28.73	26.31	49.31	54	-4.69	AV
2745.0000	Н	48.14	8.10	29.71	27.01	58.94	74	-15.06	PK
2745.0000	ipolo H	38.02	8.10	29.71	27.01	48.82	54	-5.18	AV
3660.0000	Anb H	VUD.	N ~	potek-	Vupor	Pur motel	·nbol	ek - Aup	PK
3660.0000	Hotek	_Anbox	10K	Sporek	Vupore.	P.U.	18K NI	potek A	AV
1830.0000	Vanbo	46.13	7.39	28.73	26.31	55.94	74	-18.06	PK
1830.0000	v V	39.25	7.39	28.73	26.31	49.06	54	-4.94	AV
2745.0000	V	46.03	8.10	29.71	27.01	56.83	74	-17.17	PK
2745.0000	V	37.87	8.10	29.71	27.01	48.67	54	-5.33	AV
3660.0000	Anb V	An-	K AN	potek	Aupo-	botek	-Anbot	- Vup	PK
3660.0000	AVOTO	Pur	otek	s abotek	Vupore	re been	cek Ani	ofer - M	AV



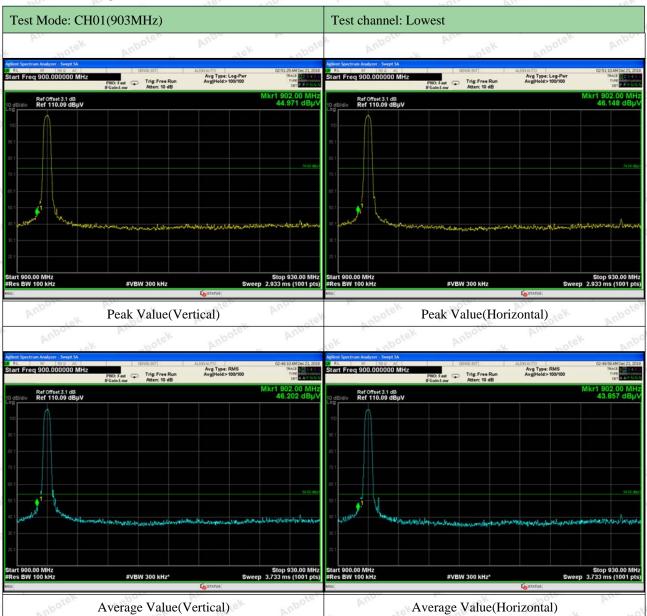
CH25

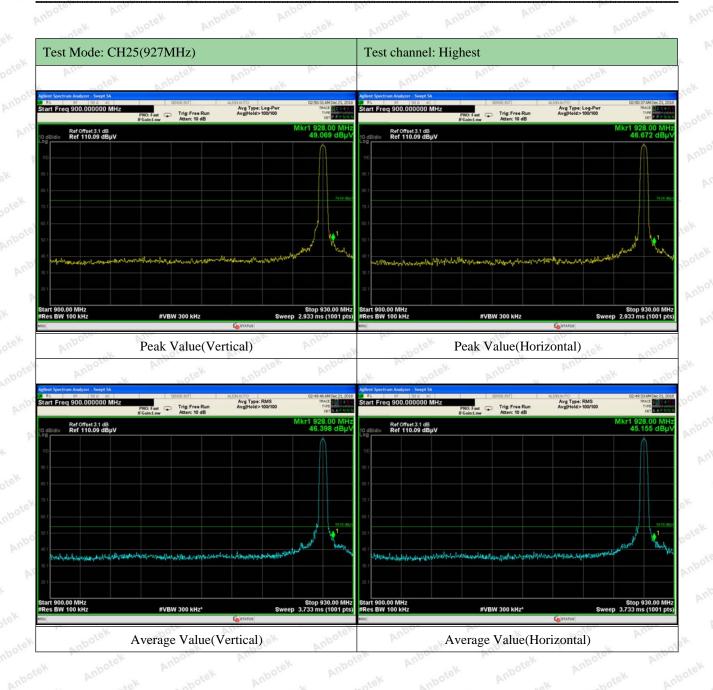
Frequency	Antenna	Reading	Cable Loss	Ant Factor	Amplifier	Level	Limits	Margin	Det.
(MHz)	Pol.	(dBuV/m)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Mode
1854.0000	Hren.	49.92	7.39	28.73	26.31	59.73	74	-14.27	PK
1854.0000	Habote	39.94	7.39	28.73	26.31	49.75	54	-4.25	AV
2781.0000	H	47.99	8.10	29.71	27.01	58.79	74	-15.21	PK
2781.0000	H H	37.68	8.10	29.71	27.01	48.48	54	-5.52	AV
3708.0000	Н	Notek	Anbote	- An	4 <u>0</u> 4	, nbotek	Aupore	And	PK
3708.0000	hport H	Ans-	anb	otek	Anbo-	-botek	Anbote	-And	AV
1854.0000	AnV	45.39	7.39	28.73	26.31	55.20	74 _{amb}	-18.80	PK
1854.0000	Vapote	38.32	7.39	28.73	26.31	48.13	54	-5.87	AV
2781.0000	V No	46.02	8.10	29.71	27.01	56.82	74	-17.18	PK
2781.0000	tek V	37.80	8.10	29.71	27.01	48.60	54	-5.40	AV
3708.0000	V	nbotek	Mapole.	" - bu	· otel	Anbatek	Aupor	- wote	PK N
3708.0000	nbo V	-botek	Anbo	- I	Kup Ofek	anbotek.	Pupor	W. W.	AV

Remark:

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

Radiated Band Edge:





5. 20dB Bandwidth Test

5.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.249					100
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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 = 100kHz, $VBW \ge 3*RBW = 300kHz$,

Detector= peak

Trace mode= Max hold.

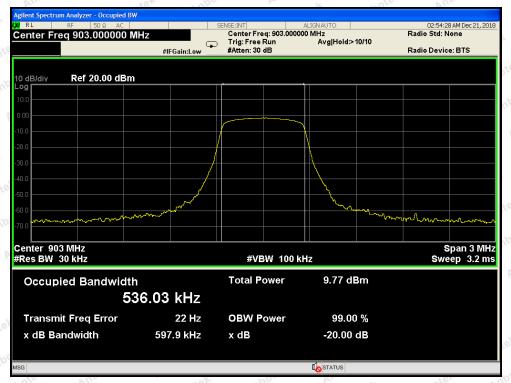
Sweep- auto couple.

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

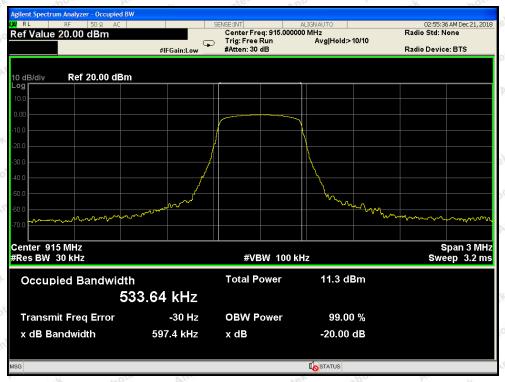
5.4. Test Data

Test Item	:	20dB Bandwidth	Test Mode :	TX Mode
Test Voltage	:	DC 3.7V battery inside	Temperature :	24℃
Test Result	:	PASS	Humidity :	55%RH

0	F	Frequency (MHz)			Bandwidth (kHz)	100		Result	Y
br.	botek	903	Anboatek	anbotek	597.9	An	K Anb	PASS	Aupor
bu.	-botek	915	Anbo	nbotek	597.4	K Ans	otek A	PASS	Aupo.
	Notek Notek	927	Anbo	lek h	599.5	K Ani	-otek	PASS	Anbor



Test Mode: CH01



Test Mode: CH13



Test Mode: CH25

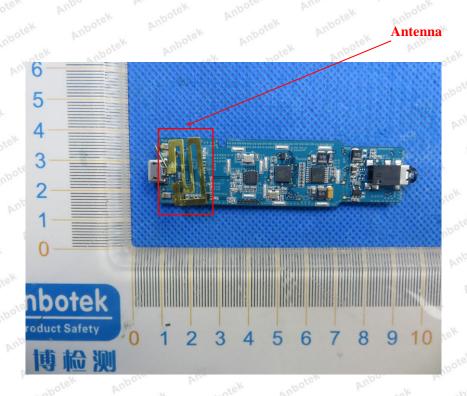
6. Antenna Requirement

6.1. Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203
Requirement	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 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 Shrapnel Antenna which permanently attached, and the best case gain of the antenna is 0 dBi. It complies with the standard requirement.



APPENDIX I -- TEST SETUP PHOTOGRAPH





Photo of Radiation Emission Test







APPENDIX II -- EXTERNAL PHOTOGRAPH



















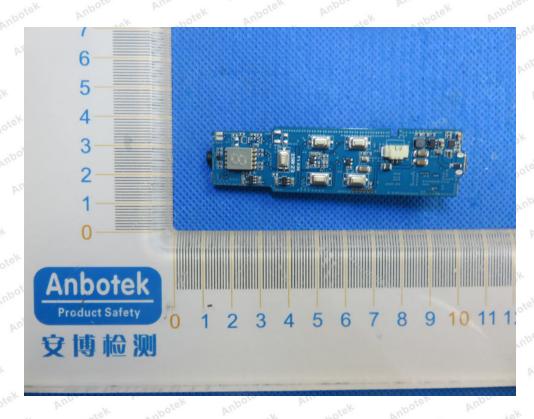




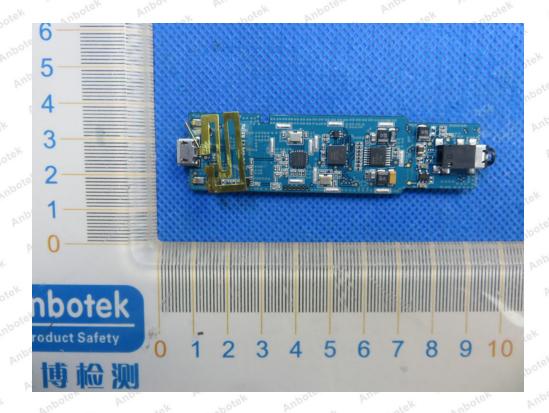


APPENDIX III -- INTERNAL PHOTOGRAPH

















----- End of Report -----