



RADIO TEST REPORT FCC ID: 2AME8BWS1K

Product: Breeze Pro Trade Mark: N/A Model No.: BWS-1000 Family Model: N/A Report No.: S23121404001001 Issue Date: 02 Jan. 2024

Prepared for

Olibra Ilc

45 legion dr, CRESSKILL, New Jersey,07626, United States

Prepared by

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1. TEST RESULT CERTIFICATION

on dr, CRESSKILL, New Jersey,07626, United States	
Shenzhen Fine Offset Electronics Co., Ltd.	
Bldg.C, Dist.A, Minzhu Jiujiu Ind. City, Xihuan Rd., Shajing St., Dist. Shenzhen, Guangdong, China	
e Pro	
1000	
14040001	
c. 2023 ~ 02 Jan. 2024	

Measurement Procedure Used:

APPLICABLE STANDARDS

APPLICABLE STANDARD/TEST PROCEDURE	TEST RESULT
FCC 47 CFR Part 15, Subpart C ANSI C63.10-2013	Complied

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of Shenzhen NTEK Testing Technology Co., Ltd., this document may be altered or revised by Shenzhen NTEK Testing Technology Co., Ltd. personnel only, and shall be noted in the revision of the document.

The test results of this report relate only to the tested sample identified in this report.

Prepared By: Allen Liu (Project Engineer) Reviewed By: Aaron Cheng (Supervisor) Approved By: A

Alex Li (Manager)

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2. SUMMARY OF TEST RESULTS

FCC Part15 (15.231), Subpart C Standard Test Item Judgment Remark Section 15.207 **Conducted Emission** N/A 15.203 Antenna Requirement Pass 15.231(e) **Radiated Spurious Emission** Pass 15.209 15.231(c) **Occupied Bandwidth** Pass 15.231(e) **Transmitter Timeout** Pass

NOTE:

- (1) " N/A" denotes test is not applicable in this Test Report.
- (2) The EUT is using a new battery





3.FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at 1&5/F, Building C, 1&2/F, Building E, Fenda Science Park, Sanwei Community, Hangcheng Street, Baoan District, Shenzhen ,Guangdong, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description	
CNAS-Lab.	: The Certificate Registration Number is L5516.
IC-Registration	The Certificate Registration Number is 9270A.
	CABidentifier:CN0074
FCC- Accredited	Test Firm Registration Number:463705.
	Designation Number: CN1184
A2LA-Lab.	The Certificate Registration Number is 4298.01
Name of Firm	: ShenzhenNTEK Testing Technology Co., Ltd.
Site Location	: 1&5/F, Building C, 1&2/F, Building E, Fenda Science Park, Sanwei
	Community, Hangcheng Street, Baoan District, Shenzhen, Guangdong,
	China

3.3 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Conducted Emission Test	±2.80dB
2	RF power,conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	All emissions,radiated(30MHz~1GHz)	±2.64dB
5	All emissions, radiated (1GHz~6GHz)	±2.40dB
6	All emissions,radiated(>6GHz)	±2.52dB
7	Temperature	±0.5°C
8	Humidity	±2%
9	All emissions, radiated(9KHz~30MHz)	±6dB
10	Occupied bandwidth	±3.7dB

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4.GENERAL DESCRIPTION OF EUT

Equipment	Breeze Pro		
Trade Name	N/A		
Model Name	BWS-1000		
Family Model	N/A		
Model Difference	N/A		
	The EUT is a Breeze P	ro	
	Operation Frequency:	434.425MHz	
	Modulation Type:	FSK	
	Number Of Channel	1CH	
	Antenna Designation:	Spring Antenna	
Product Description	Antenna Gain:	2.15dBi	
	Field Strength:	89.46dBuV/m@3m	
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.		
Channel List	Refer to below		
Power supply	DC 3V from battery		
Adapter	N/A		
Battery	2*1.5V AA batteries		
Hardware version:	N/A		
Firmware version:	V1.3.8		
Software version:	N/A		

Note:

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

2.

Channel	Frequency (MHz)
01	434.425MHz





Revision History

		-	
Report No.	Version	Description	Issued Date
S23121404001001	Rev.01	Initial issue of report	02 Jan. 2024





5. 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	ТХ

	For Radiated Emission
Final Test Mode	Description
Mode 1	TX

Note:EUT built-in battery-powered, the battery is fully.





6.SETUP OF EQUIPMENT UNDER TEST
6.1BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM
For Radiated Test Cases
EUT
For Conducted Test Cases
C-1 Measurement Instrument
Note: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.





6.2 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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	Model/Type No.	Series No.	Note
	Breeze Pro	N/A	BWS-1000	N/A	EUT

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	RF Cable	Yes	NO	0.1m

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in [Length] column.
- (3) "YES" is means "shielded"" with core"; "NO" is means "unshielded" without core".

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6.3EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2023.03.27	2024.03.26	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2023.05.29	2024.05.28	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2023.03.27	2024.03.26	1 year
4	Test Receiver	R&S	ESPI7	101318	2023.03.27	2024.03.26	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2023.03.27	2024.03.26	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2023.05.06	2026.05.05	3 year
7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2023.03.27	2024.03.26	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2023.05.29	2024.05.28	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2023.05.29	2024.05.28	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2023.05.29	2024.05.28	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2023.05.29	2024.05.28	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2023.05.06	2026.05.05	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2023.05.06	2026.05.05	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2022.06.17	2025.06.16	3 year
15	Filter	TRILTHIC	2400MHz	29	2023.05.29	2024.05.28	1 year
16	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

Note:

We will use the temporary antenna connector (soldered on the PCB board) When conducted test And this temporary antenna connector is listed within the instrument list



7.ANTENNA REQUIREMENT

7.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 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.

7.2 EUT ANTENNA

The EUT antenna is permanent attached Spring Antenna (Gain: 2.15dBi). It comply with the standard requirement.



8. CONDUCTED EMISSION MEASUREMENT

8.1 Applicable Standard

According to FCC Part 15.207(a)

8.2 Conformance Limit

Frequency(MHz)	Conducted Emission Limit		
Frequency(Miriz)	Quasi-peak	Average	
0.15-0.5	66-56*	56-46*	
0.5-5.0	56	46	
5.0-30.0	60	50	

Note: 1. *Decreases with the logarithm of the frequency

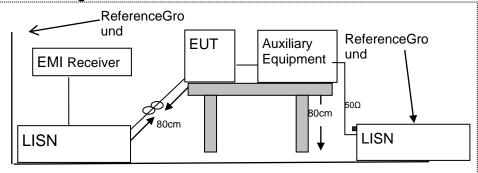
2. The lower limit shall apply at the transition frequencies

3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

8.4 Test Configuration



8.5Test Procedure

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
- 2. The EUT was placed on a table which is 0.8m above ground plane.
- Connect EUTto the power mains through a line impedance stabilization network (LISN). All other support
 equipmentspowered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for
 the measuring instrument.
- 4. Interconnecting cables that hang closer than 40 cm to the groundplane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 6. LISN at least 80 cm from nearest part of EUT chassis.
- 7. The frequency range from 150KHz to 30MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
- 9. For the actual test configuration, please refer to the related Item -EUT Test Photos





8.6Test Results

EUT :	Breeze Pro	Model Name :	BWS-1000	
Temperature :	25 (1	Relative Humidity:	62%	
Pressure :	1010hPa	Phase :	N/A	
Test Voltage :	N/A	Test Mode:	N/A	

Note: Not Applicable





9. RADIATED EMISSION MEASUREMENT 9.1Applicable Standard

According to 15.209& 15.205 and ANSI C63.10-2013

9.2Radiated Emission Limits(FCC 15.209)

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

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).
- (3) Measurement was performed at an antenna to the closed point of EUT distance of meters.
- (4) For Frequency 9kHz~30MHz:

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

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

For Frequency above 30MHz:

Distance extrapolation factor =20log(Specific distance/ test distance)(dB);

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

According to FCC Part 15.205, Restricted bands:

MHz	MHz	MHz	GHz	
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15	
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46	
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75	
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5	
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2	
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5	
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7	
6.26775-6.26825	123-138	2200-2300	14.47-14.5	
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2	
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4	
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12	
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0	
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8	
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5	
12.57675-12.57725	322-335.4	3600-4400	(2)	
13.36-13.41				





LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.231)

Fundamental Frequency (MHz)	Field Strength of fundamental (microvolts/meter)	Field Strength of Unwanted Emissions (microvolts/meter)
40.66 - 40.70	1000	100
70 - 130	500	50
130 - 174	500 to 1,500 **	50 to 150 **
174 - 260	1500	150
260 - 470	1,500 to 5,000 **	150 to 500 **
Above 470	5000	500

Notes:

(1) ** linear interpolations

[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, uV/m at 3 meters = 16.6667(F) – 2833.335; The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level.] The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in 93 Section 15.209, whichever limit permits a higher field strength.

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Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak

Receiver 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 90kHz for QP

9.3 TEST PROCEDURE

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m.The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT.

Use the following spectrum analyzer settings:

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

Receiver 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

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. 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.
- e. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- f. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- g. For the actual test configuration, please refer to the related Item -EUT Test Photos.

Note:





Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Ab aug 1000	Peak	1 MHz	1 MHz
Above 1000	Average	1 MHz	10 Hz

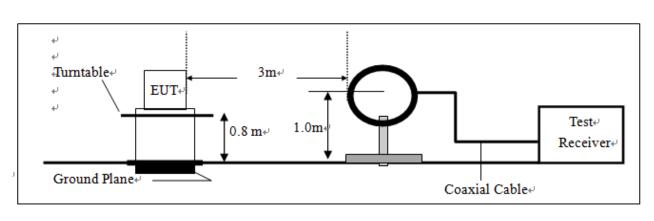
Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10*lg(100 [kHz]/narrower RBW [kHz])., the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.



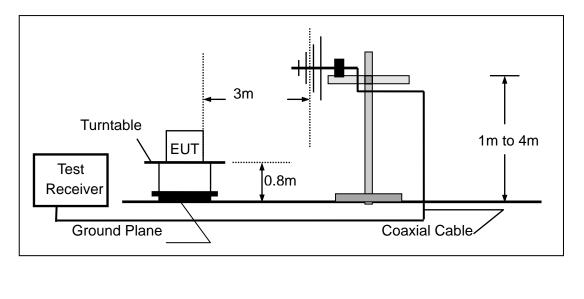


9.4 TEST SETUP

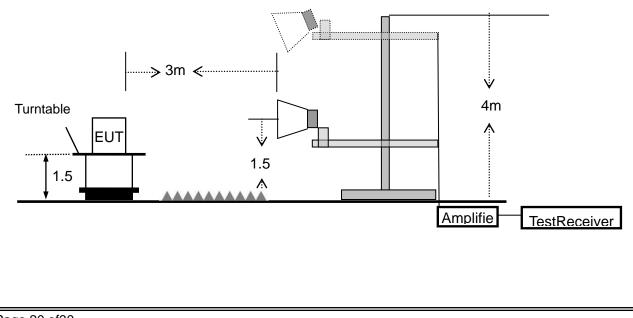
(A) For radiated emissions below 30MHz



(B) For radiated emissions from 30MHz to 1000MHz



(C) For radiated emissions above 1000MHz



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9.5TEST RESULTS

Emission below 30MHz (9KHz to 30MHz)

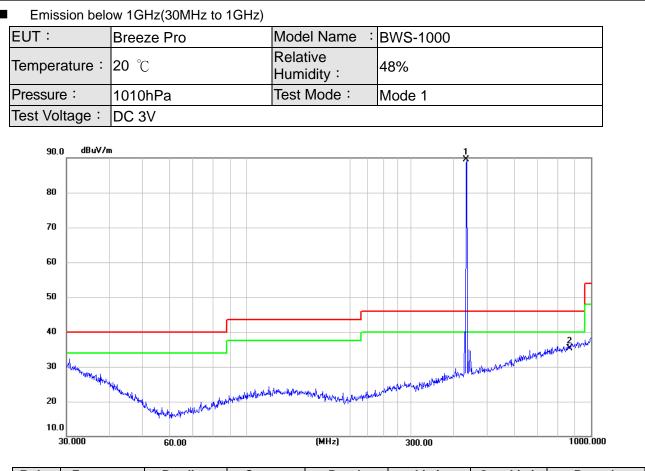
EUT:	Breeze Pro	Model No.:	BWS-1000
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode1	Test By:	Allen Liu

Freq.	Ant.Pol.	Emission L	.evel(dBuV/m)	Limit 3	m(dBuV/m)	Ove	r(dB)
(MHz)	H/V	PK	AV	PK	AV	PK	AV

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.







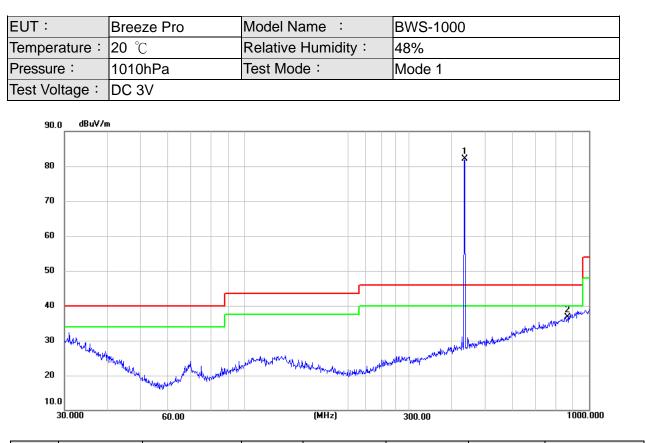
Polar	Frequency	Reading	Correct	Result	Limit	Over Limit	Remark
(H/V)	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
Н	434.425	65.66	23.80	89.46	92.88	-3.42	Peak
Н	434.425	-	-	72.44	72.88	-0.44	AVG
Н	868.85	5.13	30.27	35.40	72.88	-37.48	Peak
Н	868.85	-	-	18.38	52.88	-34.50	AVG

Note: The average value of fundamental frequency is:

Average= Peak Value+ 20log(Duty cycle), Final Average=Peak-17.02







ſ	Polar	Frequency	Reading	Correct	Result	Limit	Over Limit	Remark
	(H/V)	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
	V	434.425	58.36	23.82	82.18	92.88	-10.70	Peak
	V	434.425	-	-	65.16	72.88	-7.72	AVG
	V	868.85	6.45	30.27	36.72	72.88	-36.16	Peak
	V	868.85	-	-	19.70	52.88	-33.18	AVG

Note: The average value of fundamental frequency is:

Average= Peak Value+ 20log(Duty cycle), Final Average= Peak-17.02





Emission Abov	ve 1GHz (1GHz to 6GHz)	
EUT :	Breeze Pro	Model Name :	BWS-1000
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010hPa	Test Voltage :	DC 3V
Test Mode :	Mode 1	Polarization :	Horizontal

No.	Frequency	Reading	Correct	Dutycycle	Result	Limit	Over	Remark
			Factor	Factor			Limit	
	(MHz)	(dBuV/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1303.275	58.35	-22.40	-	35.95	72.88	-36.93	Peak
2	1737.700	65.69	-22.00	-	43.69	72.88	-29.19	Peak
3	2172.125	59.14	-19.36	-	39.78	72.88	-33.10	Peak
4	1303.275	-	-	-17.02	18.93	52.88	-33.95	AVG
5	1737.700	-	-	-17.02	26.67	52.88	-26.21	AVG
6	2172.125	-	-	-17.02	22.76	52.88	-30.12	AVG

EUT :	Breeze Pro	Model Name :	BWS-1000
Temperature :	20 ℃	Relative Humidity :	48%
Pressure :	1010hPa	Test Voltage :	DC 3V
Test Mode :	Mode 1	Polarization :	Vertical

No.	Frequency	Reading	Correct	Dutycycle	Result	Limit	Over	Remark
			Factor	Factor			Limit	
	(MHz)	(dBuV/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1303.275	56.41	-22.40	-	34.01	72.88	-38.87	Peak
2	1737.700	58.45	-22.00	-	36.45	72.88	-36.43	Peak
3	2172.125	58.28	-19.36	-	38.92	72.88	-33.96	Peak
4	1303.275	-	-	-17.02	16.99	52.88	-35.89	AVG
5	1737.700	-	-	-17.02	19.43	52.88	-33.45	AVG
6	2172.125	-	-	-17.02	21.90	52.88	-30.98	AVG

Note: that all other emissions above 1GHz are attenuated 30dB below the limit, so it does not record.

Report No.: S23121404001001





2. *Calculate Average value based on Duty Cycle correction factor: Ton1=14.5ms Duty Cycle=Ton/(Ton+Toff) =14.1/100=0.141 =14.1% Duty Cycle factor= 20log (Duty Cycle) =20log (0.145) = -17.02 Average=Peak+ Duty Cycle factor 2. FCC Limit for Average Measurement = 41.6667(434.425)-7083.3333=10996.67uV/m =80.84dBuV/m 3. Pulse Desensitization Correction Factor Pulse Width(PW)= 100ms 2/PW=2/100ms=0.02kHz RBW(100kHz)>2/PW (0.02kHz), Therefore PDCF is not needed. Duty Cycle: The duty cycle is simply the on time divided by the period: The duration of one cycle = 100ms Effective period of the cycle =14.1ms,

Note: 1. EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report(Y orientation).

Duty Cycle =14.1ms/100ms=0.141=14.1%



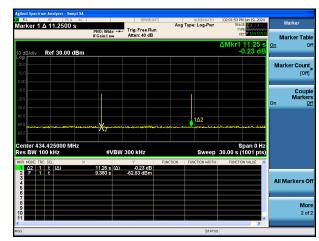
Test Plot For Duty cycle

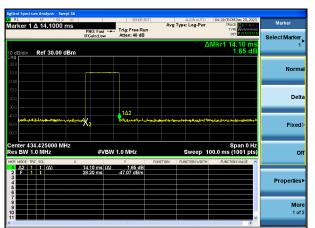
ACCREDITED

Certificate #4298.01

(Duty cycle) The duration of one cycle

(Duty cycle)T_{ON(one hop)}









10. BANDWIDTH TEST

10.1 TEST PROCEDURE

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier. Limit: 434.425MHz*0.25%=1086.1KHz

10.2 DEVIATION FROM STANDARD

No deviation.

10.3 TEST SETUP







10.4 TEST RESULTS

EUT :	Breeze Pro	Model Name :	BWS-1000
Temperature :	26 ℃	Relative Humidity :	53%
Pressure :	1020hPa	Test Power :	DC 3V
Test Mode :	TX CH 1		

Test Channel	Frequency	20 dBc Bandwidth	<limit< th=""></limit<>
	(MHz)	(kHz)	(kHz)
CH01	434.425	211.5	1086.1



NTEK 北测[®]



11. TRANSMITTER TIMEOUT

11.1 REQUIREMENTS

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.

Agilent Spectrum Analyzer - Swept SA W RL RF 75Ω AC Marker 1 Δ 11.2500 s		ALIGN AUTO Avg Type: Log-Pwr	02:01:53 PM Jan 19, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWWWW	Marker
	PNO: Wide Trig: Free Run IFGain:Low Atten: 40 dB		DET P NNNN	Marker 1
10 dB/div Ref 30.00 dBm			ΔMkr1 11.25 s -0.23 dB	<u>On</u>
20.0				Marker Co
0.00				[
-10.0				Co Mai
-30.0				On
-40.0		1Δ2		
-60.0	waamaadha Kangaaanaa ahaana ahaada	en judin yan ar she ke alin ka ngin Makan ka ka Jawa	handret, and an and a second	
Center 434.425000 MHz			Span 0 Hz	
Res BW 100 kHz		Sweep	30.00 s (1001 pts)	
1 Δ2 1 t (Δ) 2 F 1 t 3	11.25 s (Δ) -0.23 dB 9.360 s -52.83 dBm			
4 5			=	All Marker
6 7				
9 10 11				
MSG		STATUS	×	
<		STATUS		
MSG Agilent Spectrum Analyzer - Swept SA				
MSG		STATUS ALIGNAUTO Avg Type: Log-Pwr	04:10:05 DMDec 20, 2022	Marker
Agilent Spectrum Analyzer - Swept SA MGR RL RF 50 Ω AC		ALIGNAUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 12 3 4 5 6 TYPE WWWWWWW DET P NNNNN	Marker
Agilent Spectrum Analyzer - Swept SA V RL RF 50 Ω AC Marker 1 Δ 14.1000 ms 10 dB/div Ref 30.00 dBm	PNO: Fast 🛶 Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr	04:10:05 DMDec 20, 2022	Marker
Agilent Spectrum Analyzer - Swept SA W RL RF 50 Ω AC Marker 1 Δ 14.1000 ms	PNO: Fast 🛶 Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 1 2 3 4 5 6 TYPE 2 3 4 5 6 TYPE P NNNNN DET P NNNNN VIKr1 14.10 ms	Marker Select Mar
Agilent Spectrum Analyzer - Swept SA MSG Marker 1 Δ 14.1000 ms 10 dB/div Ref 30.00 dBm	PNO: Fast 🛶 Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 1 2 3 4 5 6 TYPE 2 3 4 5 6 TYPE P NNNNN DET P NNNNN VIKr1 14.10 ms	Marker Select Mar
Agilent Spectrum Analyzer - Swept SA MSG Marker 1 Δ 14.1000 ms 10 dB/div Ref 30.00 dBm 20 0 10 0 -10 0	PNO: Fast 🛶 Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 1 2 3 4 5 6 TYPE 2 3 4 5 6 TYPE P NNNNN DET P NNNNN VIKr1 14.10 ms	Marker Select Mar No
Agilent Spectrum Analyzer - Swept SA MSG Marker 1 Δ 14.1000 ms 10 dB/div Ref 30.00 dBm 200 10 0 0.00	PNO: Fast 🛶 Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 1 2 3 4 5 6 TYPE 2 3 4 5 6 TYPE P NNNNN DET P NNNNN VIKr1 14.10 ms	Marker Select Mar No
Agilent Spectrum Analyzer - Swept SA MSG Marker 1 Δ 14.1000 ms 0 dB/div Ref 30.00 dBm 20 0 10 0 10 0 -10 0 -20 0 -30 0	PNO: Fast → Trig: Free Run Atten: 40 dB	ALIGNAUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 12 3 4 5 G TYPE WWWWWWW DEF PINISHINN Mkr1 14.10 ms 1.65 dB	Marker Select Mar No
Agilent Spectrum Analyzer - Swept SA MSG Agilent Spectrum Analyzer - Swept SA Marker 1 Δ 14.1000 ms 10 dB/div Ref 30.00 dBm 20 0 10 0 -0 0 -0 0 -20 0 -30 0	PNO: Fast → Trig: Free Run Atten: 40 dB	ALIGNAUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 12 3 4 5 G TYPE WWWWWWW DEF PINISHINN Mkr1 14.10 ms 1.65 dB	Marker Select Mar No
Agilent Spectrum Analyzer - Swept SA Agilent Spectrum Analyzer - Swept SA CARE RF 50 Ω AC Marker 1 Δ 14.1000 ms 10 dB/div Ref 30.00 dBm 20 0 10 0 20 0 10	PNO: Fast → Trig: Free Run Atten: 40 dB	ALIGNAUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023	Marker Select Mar No
Agilent Spectrum Analyzer - Swept SA MSG Agilent Spectrum Analyzer - Swept SA Agilent Spectrum Analyzer -	PNO: Fast IFGain:Low Trig: Free Run Atten: 40 dB	ALIGN AUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 12:3:4:5:0 TYPE WWWWWWWW WKr1 14.10 ms 1.65 dB 1.65 dB 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	Marker Select Mar No
Agilent Spectrum Analyzer - Swept SA Agilent Spectrum Analyzer - Swe	PNO: Fast Trig: Free Run Atten: 40 dB IFGain:Low 14.0 HVBW 1.0 HVBW 1.65 dB		04:19:05 PMDec 29, 2023 TRACE 12 3 4 5 C TYPE WANNING WART 14.10 ms 1.65 dB 1.65 dB	Marker Select Mar No
Agilent Spectrum Analyzer - Swept SA Mss Mss Marker 1 Δ 14.1000 ms 10 dB/div Ref 30.00 dBm 20 0 10 0 20 0 -0	PNO: Fast IFGain:Low Trig: Free Run Atten: 40 dB	ALIGN AUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 12:3:4:5:0 TYPE WWWWWWWW WKr1 14.10 ms 1.65 dB 1.65 dB 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	Marker Select Mar No
Agilent Spectrum Analyzer - Swept SA Agilent Spectrum Analyzer - Swe	PNO: Fast Trig: Free Run Atten: 40 dB IFGain:Low 14.0 HVBW 1.0 HVBW 1.65 dB	ALIGN AUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 12:3:4:5:0 TYPE WWWWWWWW WKr1 14.10 ms 1.65 dB 1.65 dB 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	Marker Select Mar No
Agilent Spectrum Analyzer - Swept SA Mss RF SO Ω Ac Marker 1 Δ 14.1000 ms Marker 1 Δ 14.1000 ms Marker 1 Δ 14.1000 ms 10 dB/div Ref 30.00 dBm Marker 1 Δ 14.1000 ms 20.0	PNO: Fast Trig: Free Run Atten: 40 dB IFGain:Low 14.0 HVBW 1.0 HVBW 1.65 dB	ALIGN AUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 12:3:4:5:0 TYPE WWWWWWWW WKr1 14.10 ms 1.65 dB 1.65 dB 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	Marker Select Mar No E Fix
Apilent Spectrum Analyzer - Swept SA Agilent Spectrum Analyzer - Swept SA XI RF SO Ω Acc Marker 1 Δ 14.1000 ms 10 dB/div Ref 30.00 dBm 200 200 200 10 0 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 -100 200 200 200 200 -200 200 200 200 200 -200 200 200 200 200 -200 200 200 200 200 -200 200 200 200 200 -200 200 200 200 200 -200 200 200 200 200 -200 200 200 200 200 -200 200 <t< td=""><td>PNO: Fast Trig: Free Run Atten: 40 dB IFGain:Low 14.0 HVBW 1.0 HVBW 1.65 dB</td><td>ALIGN AUTO Avg Type: Log-Pwr</td><td>04:19:05 PMDec 29, 2023 TRACE 12:3:4:5:0 TYPE WWWWWWWW WKr1 14.10 ms 1.65 dB 1.65 dB 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.</td><td></td></t<>	PNO: Fast Trig: Free Run Atten: 40 dB IFGain:Low 14.0 HVBW 1.0 HVBW 1.65 dB	ALIGN AUTO Avg Type: Log-Pwr	04:19:05 PMDec 29, 2023 TRACE 12:3:4:5:0 TYPE WWWWWWWW WKr1 14.10 ms 1.65 dB 1.65 dB 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	





Test Item	Time	LIMIT	RESULT
The time of stopping transmission after activation (s)	11.2359s	Silent period>10s	PASS
Transmission Time	0.0141s	Duration of each transmission<=1s	PASS

END OF REPORT