



RADIO TEST REPORT FCC ID: 2BFTW-SPDJH1

Product: DataJar Trade Mark: STATIONPC Model No.: H1 Family Model: N/A Report No.: S24040707005002 Issue Date: May 16, 2024

Prepared for

StationPC Technology Co., LTD

Card 2102D, Block 1, Hongyu Building, 57 Zhongshan 4th Road, East District, Zhongshan City, China

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd. 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen 518126 P.R. China Tel. 400-800-6106, 0755-2320 0050, 0755-2320 0090 Website: http://www.ntek.org.cn





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		MAXIMUM POWER SPECTRAL DENSITY LEVEL	
		BAND EDGE	
		CONDUCTED RF SPURIOUS EMISSION	
	0.7	CONDUCTED IN DI UNICOS EMISSION	



1 TEST RESULT CERTIFICATION

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1 TEST RESULT CERTIFICATION				
Applicant's name: StationPC Technology Co., LTD				
Address:	Card 2102D, Block 1, Hongyu Building, 57 Zhongshan 4th Road, East District, Zhongshan City, China			
Manufacturer's Name:	StationPC Technology Co., LTD			
Address	Card 2102D, Block 1, Hongyu Building, 57 Zhongshan 4th Road, East District, Zhongshan City, China			
Product description				
Product name:	DataJar			
Trademark STATIONPC				
Model and/or type reference: H1				
Family Model: N/A				
Test Sample Number	S240407070005			
Date of tests: Apr 07, 2024 ~ May 16, 2024				
Measurement Procedure Used:				
	APPLICABLE STANDARD	S		
APPLICABLE STANDAR	APPLICABLE STANDARD/ TEST PROCEDURE TEST RESULT			
FCC 47 CFR Pa	art 2, Subpart J			
FCC 47 CFR Pa	rt 15, Subpart C	Complied		
ANSI C63	8.10-2013	Complica		
KDB 558074 D01 15.247 Meas Guidance v05r02				
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.				

Joe. Yan Aaron Cheng Prepared Reviewed Approved lex Li By [:] By By Joe.Yan Aaron Cheng Alex Li (Project Engineer) (Supervisor) (Manager) Version.1.3 Page 4 of 56





2 SUMMARY OF TEST RESULTS

FCC Part15 (15.247), Subpart C							
Standard Section Test Item Verdict Remark							
15.207	Conducted Emission	PASS					
15.247 (a)(2)	6dB Bandwidth	PASS					
15.247 (b)	Peak Output Power	PASS					
15.209 (a) 15.205 (a)	Radiated Spurious Emission	PASS					
15.247 (e)	Power Spectral Density	PASS					
15.247 (d)	Band Edge Emission	PASS					
15.247 (d)	Spurious RF Conducted Emission	PASS					
15.203	Antenna Requirement	PASS					

Remark:

1. "N/A" denotes test is not applicable in this Test Report.

 All test items were verified and recorded according to the standards and without any deviation during the test.





3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. 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.
	CAB identifier:CN0074
FCC- Accredited	Test Firm Registration Number: 463705.
	Designation Number: CN1184
A2LA-Lab.	The Certificate Registration Number is 4298.01
	This laboratory is accredited in accordance with the recognized
	International Standard ISO/IEC 17025:2005 General requirements for
	the competence of testing and calibration laboratories.
	This accreditation demonstrates technical competence for a defined
	scope and the operation of a laboratory quality management system
	(refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).
Name of Firm :	Shenzhen NTEK Testing Technology Co., Ltd.
Site Location :	1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang
	Street, Bao'an District, Shenzhen 518126 P.R. China.

3.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y\pm U$, where expended uncertainty U is based on a standard 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	±3.7%





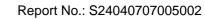
4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification		
Equipment DataJar		
Trade Mark	STATIONPC	
FCC ID	2BFTW-SPDJH1	
Model No.	H1	
Family Model	N/A	
Model Difference	Main configuration 512MB+8GB, with 1/2/4TB drive available for choosing	
Operating Frequency	2402MHz~2480MHz	
Modulation	GFSK	
Number of Channels	40 Channels	
Antenna Type	FPC Antenna	
Antenna Gain	2 dBi	
Adapter	N/A	
Battery	DC 3.7V, 8000mAh	
Rating	DC 3.7V from battery or DC 5V from Type-C port	
HW Version	V1.1	
SW Version	openwrt-rk3308-datajar-h1-ext4-rkupdate-ab-2.9.23-debug-20240318	

Note 1: 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.

Note 2: All configurations are tested, only showing the worst data 8GB+64GB







Revision History

Newsion matory				
Version	Description	Issued Date		
Rev.01	Initial issue of report	May 16, 2024		
	Version	Version Description		

5 DESCRIPTION OF TEST MODES

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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.

Certificate #4298 01

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (1Mbps for GFSK modulation) were used for all test.

The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

Carrier Frequency and Channel list:

Channel	Frequency(MHz)	
0	2402	
1	2404	
19	2440	
20	2442	
38	2478	
39	2480	

Note: fc=2402MHz+k×2MHz k=0 to 39

The following summary table is showing all test modes to demonstrate in compliance with the standard.

Test Cases		
Test Item	Data Rate/ Modulation	
AC Conducted Emission	Mode 1: normal link mode	
	Mode 1: normal link mode	
Radiated Test	Mode 2: GFSK Tx Ch00_2402MHz_1Mbps	
Cases	Mode 3: GFSK Tx Ch19_2440MHz_1Mbps	
	Mode 4: GFSK Tx Ch39_2480MHz_1Mbps	
Considurate d Talat	Mode 2: GFSK Tx Ch00_2402MHz_1Mbps	
Conducted Test	Mode 3: GFSK Tx Ch19_2440MHz_1Mbps	
Cases	Mode 4: GFSK Tx Ch39_2480MHz_1Mbps	

Note:

1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode(duty cycle =100% during the test)

2. AC power line Conducted Emission was tested under maximum output power.

3. For radiated test cases, the worst mode data rate 1Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.





6 SETUP OF EQUIPMENT UNDER TEST

6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM

C-1 AC PLUG EUT E-1 Adapter	
For Radiated Test Cases	
EUT	
For Conducted Test Cases	
Instrument EUT	
Note: The temporary antenna connector is soldered on the PCB board in order to tests and this temporary antenna connector is listed in the equipment list.	o perform conducted





6.2 SUPPORT EQUIPMENT

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	Model/Type No.	Series No.	Note
AE-1	Adapter	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	Type-C Cable	NO	NO	1.0m
C-2	RF Cable	YES	NO	0.1m

Notes:

- (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".





6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

		est equipment					
	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4440A	MY41000130	2024.03.12	2025.03.11	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2023.05.29	2024.05.28	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2023.05.29	2024.05.28	1 year
4	Test Receiver	R&S	ESPI7	101318	2024.03.12	2025.03.11	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2024.03.11	2025.03.10	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2023.05.06	2026.05.05	3 year
7	Horn Antenna	SCHWARZBE CK	BBHA 9120 D	2816	2023.01.12	2026.01.11	3 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2022.11.07	2025.11.06	3 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	2023.11.03	2026.11.02	3 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	2022.06.17	2025.06.16	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2022.06.17	2025.06.16	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	2023.03.26	2026.03.25	3 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



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N	TEK	」に別		#4298.01	Report	No.: S2404070	7005002	
AC Co	C Conduction Test equipment							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period	
1	Test Receiver	R&S	ESCI	101160	2024.03.12	2025.03.11	1 year	
2	LISN	R&S	ENV216	101313	2024.03.12	2025.03.11	1 year	
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2024.03.12	2025.03.11	1 year	
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2023.05.06	2026.05.05	3 year	
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2023.05.06	2026.05.05	3 year	
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2023.05.06	2026.05.05	3 year	
7	Test Cable (9KHz-30MH	N/A	C03	N/A	2023.05.06	2026.05.05	3 year	

ilac.

Note: Each piece of equipment is scheduled for calibration once a year except the Aux Equipment & Test Cable which is scheduled for calibration every 2 or 3 years.





7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a)

7.1.2 Conformance Limit

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

Certificate #4298 01

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

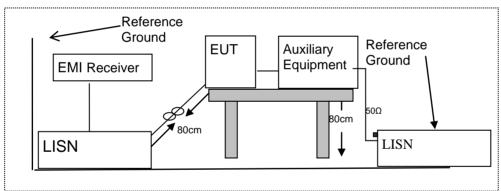
2. The lower limit shall apply at the transition frequencies

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

7.1.3 Measuring Instruments

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

7.1.4 Test Configuration



7.1.5 Test 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.
- 3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered 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 ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
- 5. 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.





7.1.6 Test Results

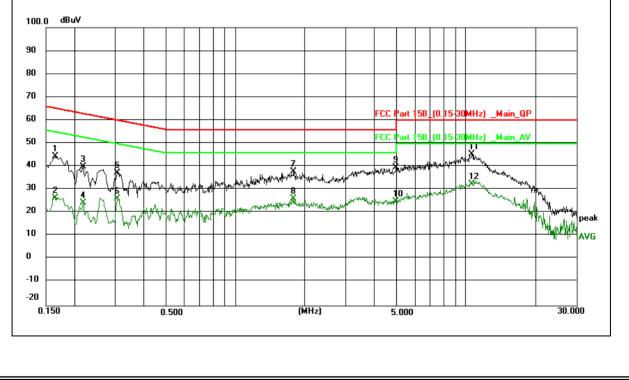
EUT:	DataJar	Model Name :	H1
Temperature:	22 ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	L
	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demeril
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1650	34.65	9.97	44.62	65.21	-20.59	QP
0.1650	16.62	9.97	26.59	55.21	-28.62	AVG
0.2180	29.91	10.08	39.99	62.89	-22.90	QP
0.2180	14.47	10.08	24.55	52.89	-28.34	AVG
0.3082	27.18	10.26	37.44	60.02	-22.58	QP
0.3082	15.56	10.26	26.12	50.02	-23.90	AVG
1.7860	24.52	13.24	37.76	56.00	-18.24	QP
1.7860	12.85	13.24	26.09	46.00	-19.91	AVG
4.9660	29.90	9.67	39.57	56.00	-16.43	QP
4.9660	15.24	9.67	24.91	46.00	-21.09	AVG
10.5659	35.55	9.69	45.24	60.00	-14.76	QP
10.5659	22.95	9.69	32.64	50.00	-17.36	AVG

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.



Version.1.3





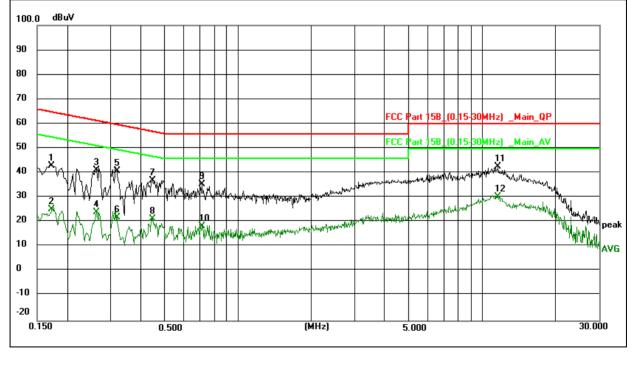
EUT:	DataJar	Model Name :	H1
Temperature:	22 ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1740	33.90	9.97	43.87	64.77	-20.90	QP
0.1740	17.94	9.97	27.91	54.77	-26.86	AVG
0.2630	32.01	10.16	42.17	61.34	-19.17	QP
0.2630	14.97	10.16	25.13	51.34	-26.21	AVG
0.3183	32.10	10.28	42.38	59.75	-17.37	QP
0.3183	13.17	10.28	23.45	49.75	-26.30	AVG
0.7100	26.50	11.07	37.57	56.00	-18.43	QP
0.7100	9.30	11.07	20.37	46.00	-25.63	AVG
7.2780	30.51	9.68	40.19	60.00	-19.81	QP
7.2780	16.75	9.68	26.43	50.00	-23.57	AVG
11.5580	31.94	9.69	41.63	60.00	-18.37	QP
11.5580	20.46	9.69	30.15	50.00	-19.85	AVG

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.



Version.1.3





7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and ANSI C63.10-2013

7.2.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). According to FCC Part15.205, 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				

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Restricted Frequency(MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)	Measurement Distance
0.009~0.490	2400/F(KHz)	20 log (uV/m)	300
0.490~1.705	24000/F(KHz)	20 log (uV/m)	30
1.705~30.0	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Limits of Radiated Emission Measurement(Above 1000MHz)

	Frequency(MHz)	Class B (dBuV/m) (at 3M)		
		PEAK	AVERAGE	
l	Above 1000	74	54	

Remark :1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. 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.



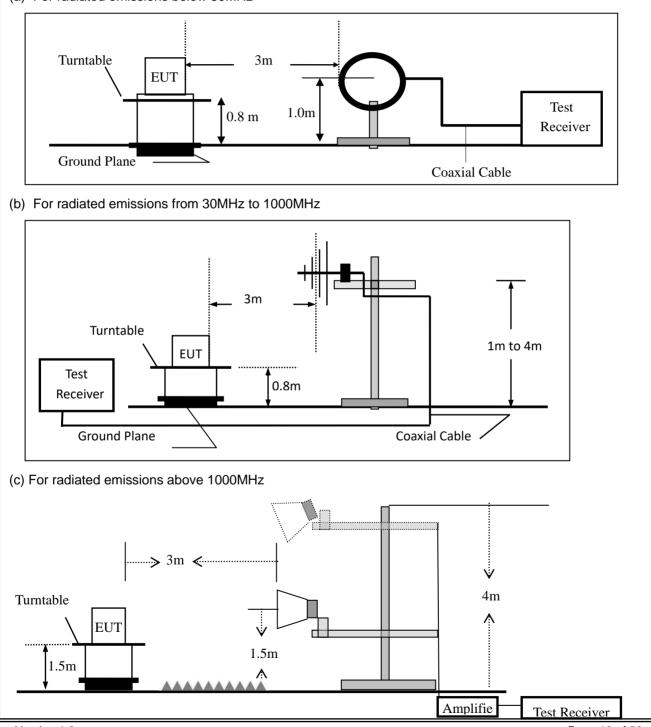


7.2.3 Measuring Instruments

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

7.2.4 Test Configuration

(a) For radiated emissions below 30MHz



Version.1.3





7.2.5 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)	1 MHz / 1 MHz for Peak, 1 MHz / 1MHz 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 200	Peak	1 MHz	1 MHz
Above 1000	Average	1 MHz	1 MHz

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.

7.2.6 Test Results

■ Spurious Emission below 30MHz (9KHz to 30MHz)

EUT:	DataJar	Model No.:	H1
Temperature:	20 ℃	Relative Humidity:	48%
Lest Mode.	Mode1/Mode2/Mode3/ Mode4	Test By:	Joe.Yan

Freq.	Ant.Pol.	Emission L	.evel(dBuV/m)	Limit 3	m(dBuV/m)	Over(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.





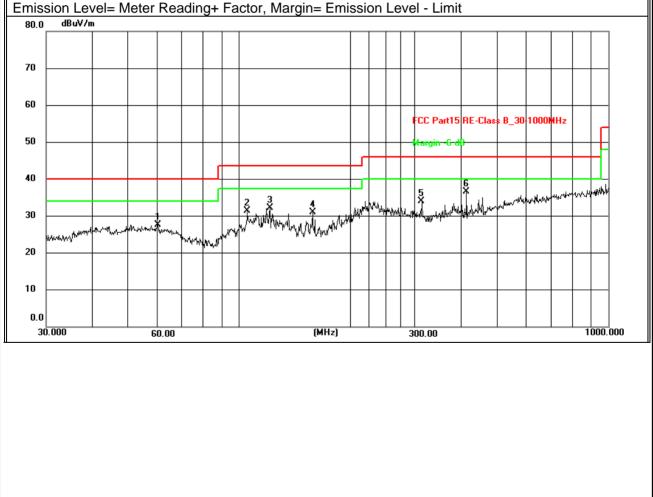
Spurious Emission below 1GHz (30MHz to 1GHz) All the modulation modes have been tested, and the worst result was report as below:

EUT:	DataJar	Model Name :	H1
Temperature:	25 ℃	Relative Humidity:	55%
Pressure:	1010hPa	Test Mode:	Mode 4
Test Voltage :	DC 3.7V		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(MHz) (dBuV) (dB) (dBuV/m)		(dBuV/m)	(dBuV/m) (dB)		
V	60.2800	8.97	18.74	27.71	40.00	-12.29	QP
V	105.3716	13.54	17.92	31.46	43.50	-12.04	QP
V	121.1230	16.07	16.17	32.24	43.50	-11.26	QP
V	158.1123	16.09	14.97	31.06	43.50	-12.44	QP
V	312.1792	13.77	20.22	33.99	46.00	-12.04	QP
V	413.2706	14.27	22.30	36.57	46.00	-9.43	QP

Remark:

Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit







(MHz 44.743 118.60 135.98 151.59 160.34	33 12	. 8.	BuV) .03		(dB)	(dB	V					Margin				ark
118.60 135.98 151.59	12	-					(dBuV/m)		(dB)							
135.98 151.59		19			19.44	2	7.4	7		40.00		-12	.53		Q	C
151.59	21		.58		16.96	3	6.5	54		43.50		-6.	96		Q	C
			.72		14.84		4.5			43.50		-8.			Q	
160.34			.80		14.12	3	3.9)2		43.50		-9.			Q	
			.22		14.97		4.1			43.50		-9.			Q	
400.43	18	14	14.59		22.30	3	6.8	9		46.00		-9.	11		Q	2
n Level= M ^{Bu¥/m}	leter R	Readin	g+ F	act	or, Margin	= Emi	ssi	on L	_ev	el - Limit						
										FCC Part15 RE-	-Class B	3_30-1	000MHz		_	
							┛			Margin -G dD						
1 1	erdand mathematica					2 Marthantiant	ļ/"	∾∼≁₩	yy l u	how with the	Whenewer	up, mandre	*****	www	rrond b	
May Britter and the		Vonalts	rrayletter	<u>vr</u> .		u ^{,,,}	_									
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	Level= N		Level= Meter Readin	Level= Meter Reading+ F Juv/m	Level= Meter Reading+ Fact	Level= Meter Reading+ Factor, Margin	Level= Meter Reading+ Factor, Margin= Emis	Level= Meter Reading+ Factor, Margin= Emissi BuV/m	Level= Meter Reading+ Factor, Margin= Emission I	Level= Meter Reading+ Factor, Margin= Emission Lev	Level= Meter Reading+ Factor, Margin= Emission Level - Limit	Level= Meter Reading+ Factor, Margin= Emission Level - Limit	Level= Meter Reading+ Factor, Margin= Emission Level - Limit BuV/m Image: Control of the second sec	Level= Meter Reading+ Factor, Margin= Emission Level - Limit	Level= Meter Reading+ Factor, Margin= Emission Level - Limit JuV/m JuV/m Image: Strategy of the strategy	Level= Meter Reading+ Factor, Margin= Emission Level - Limit JuV/m JuV/m Image: State of the





Spurious	s Emiss	sion Above	1GHz (1G	Hz to 2	25G	Hz)												
EUT:		DataJar		r	Mod	el No.:		H1										
Temperature	e:	20 °C		F	Rela	tive Humidi	ty:	48%										
Test Mode:		Mode2/Mo	de3/Mode4	1 7	Test	By:	-	Joe.	Yan									
						,		1										
Frequency	Read Level		Antenna Factor	Prear Fact		Emission Level	Limits		Limits		Limits		Margin	Remark		gin Rema		Comment
(MHz)	(dBµV	') (dB)	dB/m	(dB)	(dBµV/m)	(dBµ	√/m)	(dB)									
			Low Cha	annel (2	2402	MHz)(GFSK	()Abo	ve 1G	ĺ									
4804	71.92	5.21	35.59	44.3	80	68.42	74.	00	-5.58	Pk		Vertical						
4804	52.7	5.21	35.59	44.3	80	49.20	54.	00	-4.80	AV		Vertical						
7206	70.71	6.48	36.27	44.6	60	68.86	74.	00	-5.14	Pk		Vertical						
7206	50.55	6.48	36.27	44.6	60	48.70	54.	00	-5.30	AV		Vertical						
4804	72.07	5.21	35.55	44.3	80	68.53	74.	00	-5.47	Pk	ŀ	lorizontal						
4804	52.43	5.21	35.55	44.3	80	48.89	54.	00	-5.11	AV	ŀ	lorizontal						
7206	69.03	6.48	36.27	44.5	52	67.26	74.	00	-6.74	Pk	ŀ	lorizontal						
7206	47.51	6.48	36.27	44.5	52	45.74	54.	00	-8.26	AV	ŀ	lorizontal						
Mid Channel (2440 MHz)(GFSK)Above 1G																		
4880	71.95	5.21	35.66	44.2	20	68.62	74.	00	-5.38	Pk		Vertical						
4880	49.51	5.21	35.66	44.2	20	46.18	54.	00	-7.82	AV		Vertical						
7320	70.91	7.10	36.50	44.4	3	70.08	74.	00	-3.92	Pk		Vertical						
7320	47.57	7.10	36.50	44.4	3	46.74	54.	00	-7.26	AV		Vertical						
4880	71.66	5.21	35.66	44.2	20	68.33	74.	00	-5.67	Pk	ŀ	lorizontal						
4880	50.88	5.21	35.66	44.2	20	47.55	54.	00	-6.45	AV	ŀ	lorizontal						
7320	71.76	7.10	36.50	44.4	3	70.93	74.	00	-3.07	Pk	ŀ	lorizontal						
7320	47.57	7.10	36.50	44.4	3	46.74	54.	00	-7.26	AV	ŀ	lorizontal						
			High Cha	annel (2	2480	MHz)(GFSK	() Abo	ove 10	3									
4960	70.54	5.21	35.52	44.2	21	67.06	74.	00	-6.94	Pk		Vertical						
4960	51.05	5.21	35.52	44.2	21	46.00	54.	00	-8.00	AV		Vertical						
7440	71.58	7.10	36.53	44.6	60	69.96	74.	00	-4.04	Pk		Vertical						
7440	48.57	7.10	36.53	44.6	60	46.38	54.	00	-7.62	AV		Vertical						
4960	68.32	5.21	35.52	44.2	21	64.70	74.	00	-9.30	Pk	ŀ	lorizontal						
4960	46.70	5.21	35.52	44.2	21	42.62	54.	00	-11.38	AV	ŀ	lorizontal						
7440	70.64	7.10	36.53	44.6	60	68.43	74.	00	-5.57	Pk	ŀ	lorizontal						
7440	50.18	7.10	36.53	44.6	60	48.39	54.	00	-5.61	AV	ŀ	lorizontal						

Note:

(1) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor

(2)All other emissions more than 20dB below the limit.

(3)Only the worst data is recorded in the report, the data rates (1Mbps for GFSK modulation) test result is the worst





Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz

EUT:	DataJar	Model No.:	H1
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/ Mode4	Test By:	Joe.Yan

Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	
				1Mb	os(GFSK)				
2310.00	69.64	2.97	27.80	43.80	56.61	74	-17.39	Pk	Horizontal
2310.00	47.2	2.97	27.80	43.80	34.17	54	-19.83	AV	Horizontal
2310.00	72.73	2.97	27.80	43.80	59.70	74	-14.30	Pk	Vertical
2310.00	48.88	2.97	27.80	43.80	35.85	54	-18.15	AV	Vertical
2390.00	71.59	3.14	27.21	43.80	58.14	74	-15.86	Pk	Vertical
2390.00	48.61	3.14	27.21	43.80	35.16	54	-18.84	AV	Vertical
2390.00	72.06	3.14	27.21	43.80	58.61	74	-15.39	Pk	Horizontal
2390.00	49.29	3.14	27.21	43.80	35.84	54	-18.16	AV	Horizontal
2483.50	69.18	3.58	27.70	44.00	56.46	74	-17.54	Pk	Vertical
2483.50	48.84	3.58	27.70	44.00	36.12	54	-17.88	AV	Vertical
2483.50	70.75	3.58	27.70	44.00	58.03	74	-15.97	Pk	Horizontal
2483.50	49.50	3.58	27.70	44.00	36.78	54	-17.22	AV	Horizontal

Note: (1) All other emissions more than 20dB below the limit.

(2)Only the worst data is recorded in the report, the data rates (1Mbps for GFSK modulation) test result is the worst





Spurious Emi	ission in Restricted Band 326	OMHz-18000MHz	
EUT:	DataJar	Model No.:	H1
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/ Mode4	Test By:	Joe.Yan

Frequency	Reading Level	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	
3260	69.97	4.04	29.57	44.70	58.88	74	-15.12	Pk	Vertical
3260	49.07	4.04	29.57	44.70	37.98	54	-16.02	AV	Vertical
3260	70.45	4.04	29.57	44.70	59.36	74	-14.64	Pk	Horizontal
3260	49.01	4.04	29.57	44.70	37.92	54	-16.08	AV	Horizontal
3332	70.63	4.26	29.87	44.40	60.36	74	-13.64	Pk	Vertical
3332	46.03	4.26	29.87	44.40	35.76	54	-18.24	AV	Vertical
3332	69.81	4.26	29.87	44.40	59.54	74	-14.46	Pk	Horizonta
3332	49.50	4.26	29.87	44.40	39.23	54	-14.77	AV	Horizonta
17797	55.12	10.99	43.95	43.50	66.56	74	-7.44	Pk	Vertical
17797	41.77	10.99	43.95	43.50	53.21	54	-0.79	AV	Vertical
17788	51.87	11.81	43.69	44.60	62.77	74	-11.23	Pk	Horizonta
17788	35.12	11.81	43.69	44.60	46.02	54	-7.98	AV	Horizonta

Note: (1) All other emissions more than 20dB below the limit.

(2)Only the worst data is recorded in the report, the data rates (1Mbps for GFSK modulation) test result is the worst





7.3 6DB BANDWIDTH

7.3.1 Applicable Standard

According to FCC Part 15.247(a)(2) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.2.

7.3.2 Conformance Limit

The minimum permissible 6dB bandwidth is 500 kHz.

7.3.3 Measuring Instruments

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

7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

The testing follows Subclause 11.8 of ANSI C63.10

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) \geq 3*RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3.6 Test Results

EUT:	DataJar	Model No.:	H1
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Joe.Yan





7.4 DUTY CYCLE

7.4.1 Applicable Standard

According to KDB 558074 D01 15.247 Meas Guidance v05r02s Section 6.

7.4.2 Conformance Limit

No limit requirement.

7.4.3 Measuring Instruments

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

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW \geq OBW if possible; otherwise, set RBW to the largest available value. Set VBW \geq RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T \leq 16.7 microseconds.)

The transmitter output is connected to the Spectrum Analyzer. We tested accroding to the zero-span measurement method, 6.0)b) in KDB 558074

The largest available value of RBW is 8 MHz and VBW is 50 MHz. The zero-span method of measuring duty cycle shall not be used if $T \le 6.25$ microseconds. (50/6.25 = 8)

The zero-span method was used because all measured T data are > 6.25 microseconds and both RBW and VBW are > 50/T.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating in controlled its channel. Use the following spectrum analyzer settings: Span = Zero Span RBW = 8MHz(the largest available value) VBW = 8MHz (\geq RBW) Number of points in Sweep >100 Detector function = peak Trace = Clear write Measure T_{total} and T_{on} Calculate Duty Cycle = T_{on} / T_{total}





7.4.6 Test Results

EUT:	DataJar	Model No.:	H1
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Joe.Yan





7.5 **PEAK OUTPUT POWER**

7.5.1 Applicable Standard

According to FCC Part 15.247(b)(3) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.3.1.

7.5.2 Conformance Limit

The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm). If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

7.5.3 Measuring Instruments

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

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

The testing follows Subclause 11.9.1.1 of ANSI C63.10 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating in controlled its channel. Use the following spectrum analyzer settings: Set the RBW \geq DTS bandwidth. Set VBW =3*RBW. Set the span \geq 3*RBW Set Sweep time = auto couple. Set Detector = peak. Set Trace mode = max hold. Allow trace to fully stabilize. Use peak marker function to determine the peak amplitude level.

7.5.6 Test Results

EUT:	DataJar	Model No.:	H1
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Joe.Yan



7.6 POWER SPECTRAL DENSITY

7.6.1 Applicable Standard

According to FCC Part 15.247(e) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.4.

7.6.2 Conformance Limit

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

7.6.3 Measuring Instruments

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

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

The testing follows Measurement Procedure Subclause 11.10.2 of ANSI C63.10 This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance, and is optional if the maximum conducted (average) output power was used to demonstrate compliance.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

a) Set analyzer center frequency to DTS channel center frequency.

b) Set the span to 1.5*DTS bandwidth.

c) Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.

- d) Set the VBW \geq 3 RBW.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.





7.6.6 Test Results

EUT:	DataJar	Model No.:	H1
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Joe.Yan



7.7 CONDUCTED BAND EDGE MEASUREMENT

7.7.1 Applicable Standard

According to FCC Part 15.247(d) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

7.7.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

7.7.3 Measuring Instruments

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

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

The testing follows FCC KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.

Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

Repeat above procedures until all measured frequencies were complete.

7.7.6 Test Results

EUT:	DataJar	Model No.:	H1
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode4	Test By:	Joe.Yan





7.8 SPURIOUS RF CONDUCTED EMISSIONS

7.8.1 Conformance Limit

1. Below -20dB of the highest emission level in operating band.

2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

7.8.2 Measuring Instruments

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

7.8.3 Test Setup

Please refer to Section 6.1 of this test report.

7.8.4 Test Procedure

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300KHz to measure the peak field strength , and measure frequency range from 30MHz to 25GHz.

7.8.5 Test Results

Remark: The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.





7.9 ANTENNA APPLICATION

7.9.1 Antenna 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.

7.9.2 Result

The EUT antenna is FPC Antenna (Gain: 2 dBi). It comply with the standard equirement.





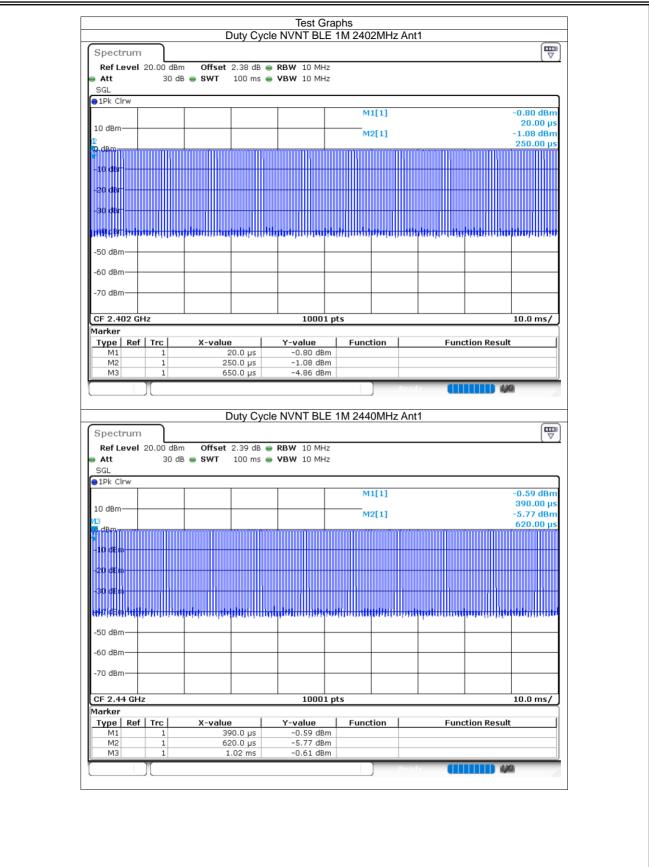
8 TEST RESULTS

8.1 **DUTY CYCLE**

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	64.8	1.88	2.5
NVNT	BLE 1M	2440	Ant1	64.8	1.88	2.5
NVNT	BLE 1M	2480	Ant1	64.79	1.88	2.56

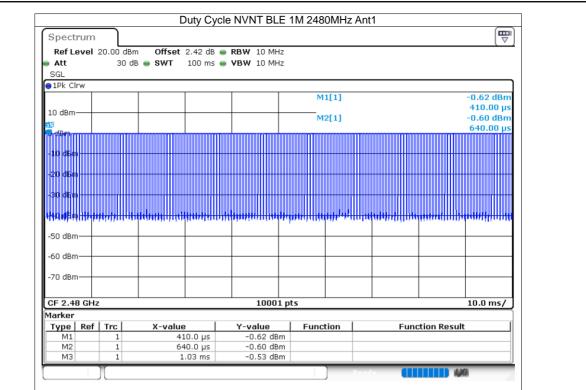
















8.2 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-0.61	30	Pass
NVNT	BLE 1M	2440	Ant1	-0.58	30	Pass
NVNT	BLE 1M	2480	Ant1	-0.15	30	Pass





RefLevel 20.0	0 dBm Offset 30 dB SWT	2.38 dB 👄 I 10.1 ms 👄 '	RBW З МН VBW 10 МН	z z Mode A	Auto Sweep			
SGL Count 100/1	00							
				M	1[1]			-0.61 dBm
10 dBm						+	2.4019	25000 GHz
0 dBm			M					
0 UBIII								
-10 dBm								
-20 dBm								
-30 dBm								
-40 dBm								
-50 dBm								
-60 dBm								
70.45								
-70 dBm								
CF 2.402 GHz			1000	1 pts			Span	10.0 MHz
					Read	iy 🚺		0
Ref Level 20.0	0 dBm Offset 30 dB SWT 00	2.39 dB 👄 I	NVNT BLE RBW 3 MH VBW 10 MH	Z				
Spectrum Ref Level 20.0 Att SGL Count 100/1 1Pk Max	30 dB SWT	2.39 dB 👄 I	RBW 3 MH	z z Mode A	∖uto Sweep			
Ref Level 20.0 Att SGL Count 100/1 1Pk Max	30 dB SWT	2.39 dB 👄 I	RBW 3 MH	z z Mode A		1	2.4400	-0.58 dBm 1081000 GHz
Ref Level 20.0 Att SGL Count 100/1	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	z Mode A	∖uto Sweep		2.4400	-0.58 dBm
Ref Level 20.0 Att SGL Count 100/1 1Pk Max	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	z z Mode A	∖uto Sweep		2.4400	-0.58 dBm
Ref Level 20.0 Att SGL Count 100/1 PIPK Max 10 dBm	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	z Mode A	∖uto Sweep		2.4400	-0.58 dBm
Ref Level 20.0 Att SGL Count 100/1 IPk Max 10 dBm 0 dBm	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	z Mode A	∖uto Sweep		2.4400	-0.58 dBm
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 dBm -10 dBm -20 dBm	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	z Mode A	∖uto Sweep		2.4400	-0.58 dBm
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm -10 dBm	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	z Mode A	∖uto Sweep		2.4400	-0.58 dBm
Ref Level 20.0 Att SGL Count 100/1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	z Mode A	∖uto Sweep		2.4400	-0.58 dBm
Ref Level 20.0 Att SGL Count 100/1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	z Mode A	∖uto Sweep		2.4400	-0.58 dBm
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	z Mode A	∖uto Sweep		2.4400	-0.58 dBm
Ref Level 20.0 Att SGL Count 100/1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	z Mode A	∖uto Sweep		2.4400	-0.58 dBm
Ref Level 20.0 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	z Mode A	∖uto Sweep		2.4400	-0.58 dBm
Ref Level 20.0 Att SGL Count 100/1 • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	30 dB SWT	2.39 dB 👄 I	RBW 3 MH VBW 10 MH	Z Mode A	∖uto Sweep		Span	-0.58 dBm 081000 GHz
Ref Level 20.0 Att SGL Count 100/1 • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm	30 dB SWT	2.39 dB 👄 I	RBW 3 MH	Z Mode A	∖uto Sweep			-0.58 dBm 081000 GHz





Spectrum					
Ref Level 20.00 Att 3 SGL Count 100/10	O dB SWT	2.42 dB ● RBW 3 MH 10.1 ms ● VBW 10 MH			
1Pk Max		1 1			
			M1[1]	2.479	-0.15 dBm 935000 GHz
10 dBm					
		M			
) dBm					
-10 dBm					
-20 dBm					
-30 dBm					
-50 0811					
-40 dBm					
-50 dBm					
-60 dBm					
-70 dBm					
CF 2.48 GHz	· .	1000:	1 pts	Spa	n 10.0 MHz





8.3 -6DB BANDWIDTH

0.5 00						
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.703	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.732	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.725	0.5	Pass











Spectrum						
Ref Level		3m Offset 2.42 dB 🖷	DBUL 100 MIL			ر ۷
Att	20.00 de 30 (Mode Auto FFT		
SGL Count		ub awn 10.9 µs e	9 9 D 99 300 KHZ	MOUE AULO FFI		
1Pk Max	100/100					
				M1[1]		-1.30 dBm
10 10-					2.479	997400 GHz
10 dBm				M2[1]		-7.27 dBm
) dBm			M1		2.479	640000 GHz
, abiii		M2				
-10 dBm						_
-20 dBm						
-30 dBm	_					
40 dBm						_
TO UDIN						
-50 dBm						
60 dBm —						
-70 dBm						
CF 2.48 GH	z	• •	10001 pt	s	Sp	an 2.0 MHz
1arker						
Type Ref	Trc	X-value	Y-value	Function	Function Resu	lt
M1	1	2.4799974 GHz	-1.30 dBm			
M2	1	2.47964 GHz	-7.27 dBm			
MЗ	1	2.480365 GHz	-7.31 dBm			

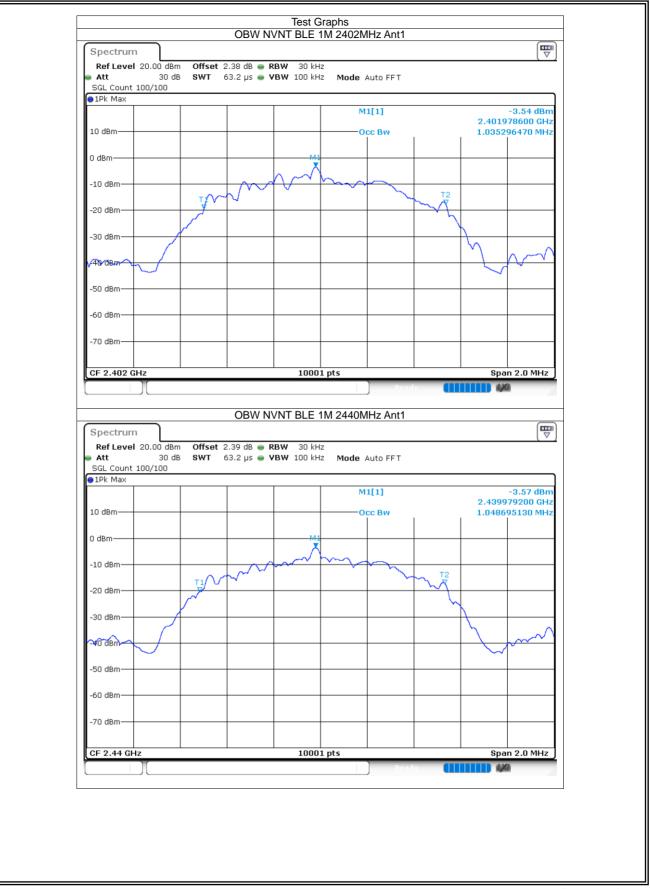




8	3.4 OCC		ANNEL BANDWIDTH		
	Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
	NVNT	BLE 1M	2402	Ant1	1.035
	NVNT	BLE 1M	2440	Ant1	1.049
	NVNT	BLE 1M	2480	Ant1	1.033



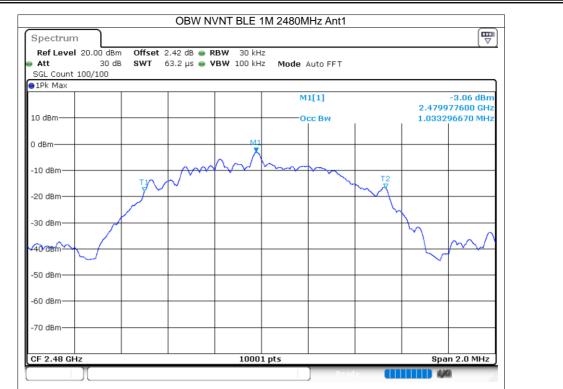




Version.1.3









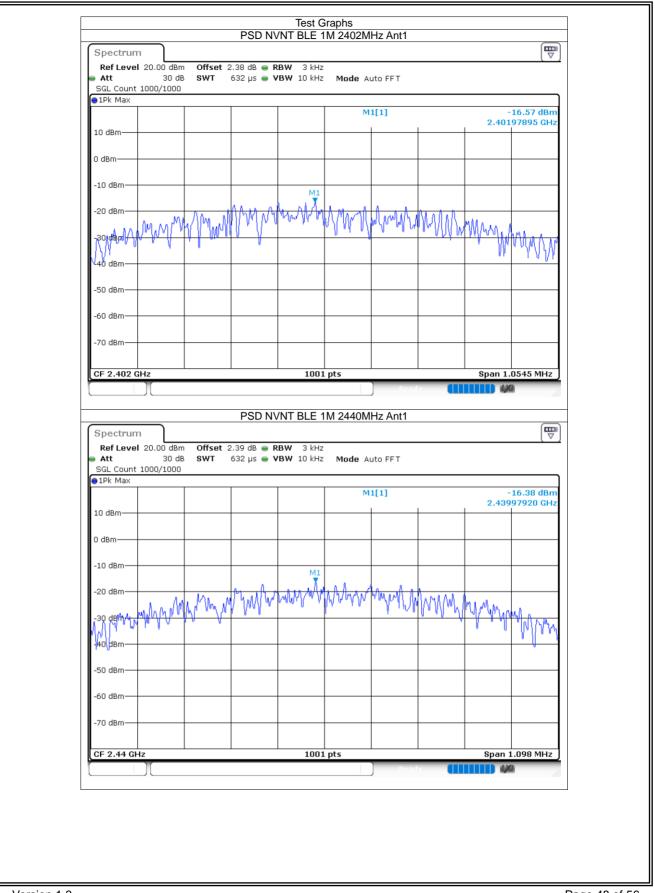


8.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-16.57	8	Pass
NVNT	BLE 1M	2440	Ant1	-16.38	8	Pass
NVNT	BLE 1M	2480	Ant1	-16.03	8	Pass

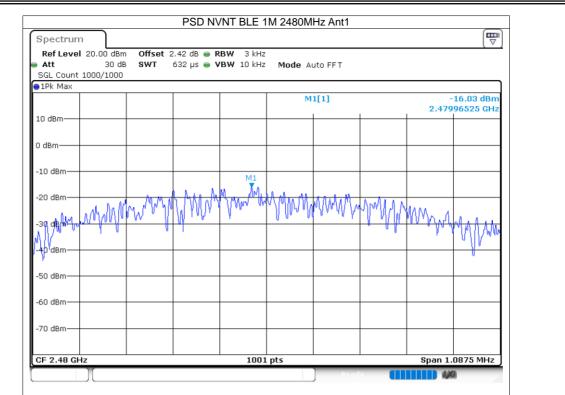
















8.6 **BAND EDGE**

0.0		—				
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-58.86	-20	Pass
NVNT	BLE 1M	2480	Ant1	-60.27	-20	Pass

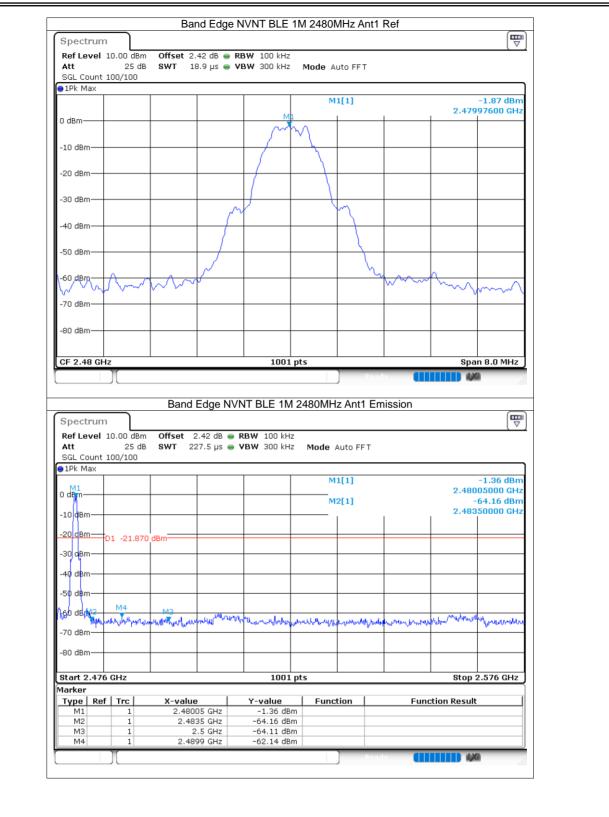




-10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -60 dBm -60 dBm -60 dBm -60 dBm -70 dBm -80 dBm -2.402 dBm -2.400 dBm -2.	Spectru										
IPK Max M1[1] :1.96 dbm 0 dBm M1[1] 2.40225570 GHz 10 dBm Generation Generation -20 dBm Generation Generation -30 dBm Generation G	Att		25 dE					uto FFT			
0 dBm M1[1] -1.9 6 dBm -10 dBm 2.40225570 GHz -20 dBm -20 dBm -30 dBm -20 dBm -40 dBm -40 dBm -50 dBm -60 dBm -60 dBm -60 dBm -70 dBm -60 dBm -80 dBm -60 dBm -60 dBm -60 dBm -60 dBm -60 dBm -70 dBm -60 dBm -80 dBm -60 dBm -90 dBm Offset 2.38 dB = RBW 100 kHz Att 25 dB SWT 227.5 µz = VBW 300 kHz Att -2.87 dBm -10 dBm -62.75 µz = VBW 300 kHz -10 dBm -2.407 dBm -2.00 dBm -2.407 dBm -2.00 dBm -2.407 dBm -30 dBm -10 dBm			UU/100								
0 dBm	UTEK Maa						M	1[1]			-1.96 dBr
O dBill O dBill <t< td=""><td>0 -10</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>1</td><td>2.403</td><td></td></t<>	0 -10							1	1	2.403	
-20 dBm -30 dBm -40 dBm -40 dBm -50 dBm -60 dBm -70 dBm -60 dBm -70 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -80 dBm -80 dBm -80 dBm -90	U dBm					m	N.				
-30 dBm 40 dBm -50 dBm -50 dBm -50 dBm -60 dBm -70 dBm -80 dBm -97	-10 dBm-	+				+/-	-				
40 dBm	-20 dBm-						\rightarrow				
40 dBm	20 dam-										
-50 dBm	-50 0011				5	~	L L	~			
-80 dBm -70 dBm	-40 dBm-										
-70 dBm	-50 dBm-	_			+-/						
-70 dBm	-60 dBm-				~~			L.		m	
-80 dBm Image: CF 2.402 GHz Span 8.0 MHz GE 2.402 GHz Span 8.0 MHz Band Edge NVNT BLE 1M 2402MHz Ant1 Emission Spectrum Ref Level 10.00 dBm Offset 2.38 dB • RBW 100 kHz Att 25 dB SWT 227.5 µs • VBW 300 kHz MI[1] -2.07 dBm 0 dBm 0 dBm M2[1] -2.07 dBm -10 dBm 0 M2[1] -2.07 dBm -20 dBm 01 -21.959 dBm 0 M4 -30 dBm 0 M4 0 0 -50 dBm 0 M4 0 0 -60 dBm M4 0 0 0 -60 dBm M4 0 0 0 -70 dBm 0 0 0 0 0 -80 dBm 0 0 0 0 0 0 -60 dBm 0 0 0 0 0 0 0 -70 dBm 0 0 0 0 0 0 0 0	\sim			h	1			ľ	hn	["M	m
GF 2.402 GHz Spectrum Band Edge NVNT BLE 1M 2402MHz Ant1 Emission Spectrum Ref Level 10.00 dBm Offset 2.38 dB • RBW 100 kHz Att 25 dB SWT 227.5 µs • VBW 300 kHz MI[1] -2.07 dBm 0 dBm	-70 dBm-	-			+						
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission Spectrum Ref Level 10.00 dbm Offset 2.38 db e RBW 100 kHz Att 25 dB SWT 227.5 µS e VBW 300 kHz Make Mall 11 -2.07 dBm 0 dBm	-80 dBm-										
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission Spectrum Ref Level 10.00 dbm Offset 2.38 db e RBW 100 kHz Att 25 dB SWT 227.5 µS e VBW 300 kHz Make Mall 11 -2.07 dBm 0 dBm											
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission Spectrum Image: Colspan="2">Image: Colspan="2" Image: Colspan="2" Image	CE 2.402	2 GH	z	1	1	1001	pts		1	Spa	an 8.0 MHz
0 dBm	Spectru) Read	nission	4	
0 dBm	Spectru Ref Leve Att	el 1	25 dE	Offset	2.38 dB 👄	RBW 100 kHz	2		nission		
-10 dBm -20 dBm -21.959 dBm -2.40000000 GHz -20 dBm -21.959 dBm -20 dBm -20 dBm -20 dBm -30 dBm -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -20 dBm -20 dBm -20 dBm -20 dBm -40 dBm -20 dBm -20 dBm -20 dBm -20 dBm -50 dBm -20 dBm -20 dBm -20 dBm -20 dBm -50 dBm -20 dBm -20 dBm -20 dBm -20 dBm -50 dBm -20 dBm -20 dBm -20 dBm -20 dBm -50 dBm -20 dBm -20 dBm -20 dBm -20 dBm -70 dBm -20 dBm -20 dBm -20 dBm -20 dBm -80 dBm -20 dBm -20 dBm -20 dBm -20 dBm -80 dBm -20 dBm -20 dBm -20 dBm -20 dBm -80 dBm -20 dBm -20 dBm -20 dBm -20 dBm -80 dBm -20 dBm -20 dBm -20 dBm -20 dBm -80 dBm -20 dBm -20 dBm -20 dBm -20 dBm	Spectru Ref Leve Att SGL Cou	∍l 1 nt 1	25 dE	Offset	2.38 dB 👄	RBW 100 kHz	z z Mode A	Auto FFT	nission		
-20 dBm D1 -21.959 dBm Image: Big of the second s	Spectru Ref Leve Att SGL Cou PIPk Max	∍l 1 nt 1	25 dE	Offset	2.38 dB 👄	RBW 100 kHz	2 Mode #	Auto FFT 1[1]	nission	2.40	-2.07 dBr
-30 dBm -40 dBm	Spectru Ref Leve Att SGL Cou 1Pk Max 0 dBm-	el 1	25 dE	Offset	2.38 dB 👄	RBW 100 kHz	2 Mode #	Auto FFT 1[1]	nission	2.40	-2.07 dBr 17500ØGH -62.75 MBr
-40 dBm	Spectru Ref Leve Att SGL Cou ● 1Pk Max 0 dBm- -10 dBm-	el 1	25 dE 00/100	Offset SWT 2	2.38 dB 👄	RBW 100 kHz	2 Mode #	Auto FFT 1[1]	nission	2.40	-2.07 dBr 17500ØGH -62.75 MBr
-50 dBm -60 dBm -60 dBm -60 dBm -70	Spectru Ref Leve Att SGL Cou @ 1Pk Max 0 dBm	el 1	25 dE 00/100	Offset SWT 2	2.38 dB 👄	RBW 100 kHz	2 Mode #	Auto FFT 1[1]	hission	2.40	-2.07 dBr 17500ØGH -62.75 MBr
-60 dBm M4 M4 M4 -70 dBm -70 dBm -70 dBm -70 dBm -80 dBm -70 dBm -70 dBm -70 dBm M1 1 2.40175 GHz -72.07 dBm M3 1 2.39 GHz -66.46 dBm M4 1 2.3421 GHz -60.83 dBm	Spectru Ref Levi Att SGL Cou • 1Pk Max • 1Pk Max -10 dBm- -20 dBm- -30 dBm-	el 1	25 dE 00/100	Offset SWT 2	2.38 dB 👄	RBW 100 kHz	2 Mode #	Auto FFT 1[1]	hission	2.40	-2.07 dBr 17500ØGH -62.75 MBr
Marker Trc X-value Y-value Function Function Result M1 1 2.40175 GHz -2.07 dBm	Spectru Ref Leva Att SGL Cou ● 1Pk Max - 10 dBm -20 dBm -30 dBm -40 dBm	el 11	25 dE 00/100	Offset SWT 2	2.38 dB 👄	RBW 100 kHz	2 Mode #	Auto FFT 1[1]	hission	2.40	-2.07 dBr 17500ØGH -62.75 MBr
-80 dBm I <thi< th=""> <thi< th=""> <thi< th=""></thi<></thi<></thi<>	Spectru Ref Leve Att SGL Cou • 1Pk Max • 10 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm-	el 11	25 dE 00/100 1 -21.95	9 dBm	2.38 dB ● 227.5 µs ●	RBW 100 kHz YBW 300 kHz	2 Mode / M 	Auto FFT 1[1] 2[1]		2.40	-2.07 dBr 175000 GH 62.75 dBr 600000 GH
Start 2.306 GHz 1001 pts Stop 2.406 GHz Marker	Spectru Ref Levi Att SGL Cou •10 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm-		25 dE 00/100 1 -21.95	9 dBm	2.38 dB ● 227.5 µs ●	RBW 100 kHz YBW 300 kHz	2 Mode / M 	Auto FFT 1[1] 2[1]		2.40	-2.07 dBr 175000 GH 62.75 dBr 600000 GH
Marker Trc X-value Y-value Function Function Result M1 1 2.40175 GHz -2.07 dBm -2.07 dBm -2.07 dBm M2 1 2.4 GHz -62.75 dBm -2.07 dBm -2.07 dBm M3 1 2.39 GHz -66.46 dBm -2.07 dBm -2.07 dBm	Spectru Ref Levi SGL Cou 9 1Pk Max 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -60 dBm- -70 dBm-		25 dE 00/100 1 -21.95	9 dBm	2.38 dB ● 227.5 µs ●	RBW 100 kHz YBW 300 kHz	2 Mode / M 	Auto FFT 1[1] 2[1]		2.40	-2.07 dBr 175000 GH 62.75 dBr 600000 GH
Type Ref Trc X-value Y-value Function Function Result M1 1 2.40175 GHz -2.07 dBm M2 1 2.4 GHz -62.75 dBm M3 1 2.39 GHz -66.46 dBm M4 1 2.3421 GHz -60.83 dBm	Spectru Ref Levi SGL Cou 9 1Pk Max 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -60 dBm- -70 dBm-		25 dE 00/100 1 -21.95	9 dBm	2.38 dB ● 227.5 µs ●	RBW 100 kHz YBW 300 kHz	2 Mode / M 	Auto FFT 1[1] 2[1]		2.40	-2.07 dBr 175000 GH 62.75 dBr 600000 GH
M2 1 2.4 GHz -62.75 dBm M3 1 2.39 GHz -66.46 dBm M4 1 2.3421 GHz -60.83 dBm	Spectru Ref Levi Att SGL Cou 1Pk Max 0 dBm- -10 dBm- -20 dBm- -30 dBm- -50 dBm- -60 dBm- -80 dBm- -80 dBm-		25 dE 00/100 1 -21.95	9 dBm	2.38 dB ● 227.5 µs ●	RBW 100 kHz VBW 300 kHz	2 Mode 4	Auto FFT 1[1] 2[1]		2.40 2.40	-2.07 dBr 1750003H -62.75 MBr 000000 SH
M3 1 2.39 GHz -66.46 dBm M4 1 2.3421 GHz -60.83 dBm	Spectru Ref Levi SGL Cou P1Pk Max 0 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm- -50 dBm- -60 dBm- -70 dBm- -80 dBm- Type f		25 dE 00/100 1 -21.95 LANAMINJUA GHZ Trc	Offset SWT 2	2.38 dB = 227.5 µs =	RBW 100 kHz VBW 300 kHz	2 Mode / 	Auto FFT 1[1] 2[1]		2.40 2.40	-2.07 dBr 17500bi GH
	Spectru Ref Levi Att SGL Cou P1Pk Max 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -50 dBm- -70 dBm- -70 dBm- Start 2.3 Marker Type I M1		25 dE 00/100 1 -21.95 4////////////////////////////////////	Confiset SWT 2 Confiset SWT 2 Confis	2.38 dB • 227.5 μs • 	RBW 100 kHz VBW 300 kHz	2 2 Mode / M M M M M Pts	Auto FFT 1[1] 2[1]		2.40 2.40	-2.07 dBr 17500bi GH
Ready 🚺	Spectru Ref Levi Att SGL Cou ● 1Pk Max 0 dBm- -10 dBm- -20 dBm- -30 dBm- -50 dBm- -50 dBm- -60 dBm- -80 dBm- Start 2.3 Marker Type I M1 M2		25 dE 00/100 1 -21.95 0/00 0/1000 0/1000 0/1000 0/100 0/1000 0/100000000	Construction of the second sec	2.38 dB ● 227.5 µs ● 	RBW 100 kHz VBW 300 kHz	2 Mode / M M M M M M M M M M M M M	Auto FFT 1[1] 2[1]		2.40 2.40	-2.07 dBr 17500bi GH
	Spectru Ref Levi Att SGL Cou 1Pk Max 0 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm- -60 dBm- -80 dBm- Start 2.3 Marker Type I M1 M2 M3		25 dE 00/100 1 -21.95 4 	Giffset SWT 2 GBm Consultant Cons	2.38 dB ● 227.5 µs ● 	RBW 100 kHz VBW 300 kHz	2 Mode / M M: M: M: M: M: M: M: M: M:	Auto FFT 1[1] 2[1]		2.40 2.40	-2.07 dBr 17500bi GH











Condition Mode Frequency (MH2) Antenna Max Value (dBc) Limit (dBc) Verdict NVNT BLE 1M 2440 Ant1 -49.34 -20 Pass NVNT BLE 1M 2440 Ant1 -49.13 -20 Pass NVNT BLE 1M 2480 Ant1 -49.29 -20 Pass NVNT BLE 1M 2480 Ant1 -49.29 -20 Pass	8.7 Co	NDUCTE	D RF SPURIOL	JS EMISS	SION		
NVNT BLE 1M 2402 Ant1 -49.34 -20 Pass NVNT BLE 1M 2440 Ant1 -49.13 -20 Pass						Limit (dBc)	Verdict
NVNT BLE 1M 2440 Ant1 -49.13 -20 Pass	NVNT	BLE 1M	2402	Ant1	-49.34	-20	
NVNT BLE 1M 2480 Ant1 -49.29 -20 Pass			2440		-49.13		
	NVNT	BLE 1M				-20	
	NVNT	BLE 1M	2480	Ant1	-49.29	-20	Pass





Spectrum Ref Level Att	20.00 dBm			RBW 100 kH: VBW 300 kH:		Auto FET			
SGL Count		3111	10.9 µ3 🖉	1011 300 KH	- Houe	Auto FFT			
●1Pk Max					м	1[1]			-1.85 dBm
10 dBm							1	2.40	199550 GHz
0 dBm				M					
-10 dBm						Ĩ.			
-20 dBm	-								
-30 øBm									
-40 dBm									
-50 dBm							1		
-60 dBm									
-70 dBm									
-70 0.011									
CF 2.402 G	Hz			1001	pts			Sp	an 1.5 MHz
Spectrum				NT BLE 1N		Hz Ant1 E	mission		
Ref Level Att SGL Count	20.00 dBm 30 dB	Offset 2	2.38 dB 👄 F	NT BLE 11 RBW 100 kH: VBW 300 kH:	2				
Ref Level Att	20.00 dBm 30 dB	Offset 2	2.38 dB 👄 F	RBW 100 kH:	z z Mode .				-2.03 dBm
Ref Level Att SGL Count : 1Pk Max	20.00 dBm 30 dB	Offset 2	2.38 dB 👄 F	RBW 100 kH:	2 Mode . Mode .	Auto Swee 1[1]			
Ref Level Att SGL Count 1 1Pk Max	20.00 dBm 30 dB	Offset 2	2.38 dB 👄 F	RBW 100 kH:	2 Mode . Mode .	Auto Sweej			-2.03 dBm 2.3970 GHz
Ref Level Att SGL Count : 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB 10/10	Offset 2	2.38 dB 👄 F	RBW 100 kH:	2 Mode . Mode .	Auto Swee 1[1]			-2.03 dBm 2.3970 GHz -51.20 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm	20.00 dBm 30 dB 10/10	Offset 2	2.38 dB 👄 F	RBW 100 kH:	2 Mode . Mode .	Auto Swee 1[1]			-2.03 dBm 2.3970 GHz -51.20 dBm
Ref Level Att SGL Count ● 1Pk Max 10 dBm 0 dBm -10 dBm -10 dBm -30 dBm	20.00 dBm 30 dB 10/10	Offset 2	2.38 dB 👄 F	RBW 100 kH:	2 Mode . Mode .	Auto Swee 1[1]			-2.03 dBm 2.3970 GHz -51.20 dBm
Image: New York Max Image: New York Image: New York Image: New York Image: New York Image: New York Image: New York Image: New York Image: New York Image: New York Image: New York Image: New York Image: New York Image: New York Image: New Y	20.00 dBm 30 dB 10/10	dBm	2.38 dB 👄 F	RBW 100 kH:	2 Mode . Mode .	Auto Swee 1[1]			-2.03 dBm 2.3970 GHz -51.20 dBm
Mef Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm	20.00 dBm 30 dB 10/10	Offset 2	2.38 dB • F 265 ms • N	RBW 100 kH:	2 Mode . M	Auto Sweep 1[1] 2[1]	P		-2.03 dBm 2.3970 GHz -51.20 dBm
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 30 dB 10/10	dBm	2.38 dB • F 265 ms • N	RBW 100 kH:	2 Mode . M	Auto Sweep 1[1] 2[1]	P		-2.03 dBm 2.3970 GHz -51.20 dBm
Mef Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm	20.00 dBm 30 dB 10/10	dBm	2.38 dB • F 265 ms • N	RBW 100 kH:	2 Mode . M	Auto Sweep 1[1] 2[1]	P		-2.03 dBm 2.3970 GHz -51.20 dBm
Mef Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 30.0 ft	20.00 dBm 30 dB 10/10	dBm	2.38 dB • F 265 ms • N	RBW 100 kH:	2 Mode . 	Auto Sweep 1[1] 2[1]	P	1	-2.03 dBm 2.3970 GHz -51.20 dBm
Ref Level Att SGL Count ID dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 30.0 M Marker Type	20.00 dBm 30 dB 10/10 01 -21.855 M3 M4 MHz	dBm Md referential for the former X-value	2.38 dB 265 ms 1 265 ms 1 265 ms 2	RBW 100 kH VBW 300 kH 	2 Mode . ۲ ۳ ۳ ۳ ۳	Auto Swee 1[1] 2[1] M2 ۲۰۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲	р 	1	-2.03 dBm 2.3970 GHz -51.20 dBm 6.7326 GHz
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 30.0 M Marker Type M1 M2	20.00 dBm 30 dB 10/10 01 -21.855 01 -21.855 00 01 -21.855 00 01 -21.855 00 01 -21.855 00 01 -21.855 00 01 -21.855 00 01 -21.855 00 00 00 00 00 00 00 00 00 00 00 00 0	dBm 	2.38 dB • • • 265 ms • • • • • • • • • • • • • • • • • • •	RBW 100 kH VBW 300 kH 	2 2 Mode . س مریم برادر مرابع pts 	Auto Swee 1[1] 2[1] M2 ۲۰۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲	р 	1 minutes of the second	-2.03 dBm 2.3970 GHz -51.20 dBm 6.7326 GHz
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -10 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm Marker Type Ref M1	20.00 dBm 30 dB 10/10 01 -21.855 01 -21.855 01 -21.855 01 -21.855 01 -21.855 01 -21.855	dBm X-value 2.33 16.733 4.761	2.38 dB 265 ms 1 265 ms 1 265 ms 2 265 ms 2 265 ms 2 265 ms 265	RBW 100 kH: VBW 300 kH: VBW 3	2 2 Mode . 	Auto Swee 1[1] 2[1] M2 ۲۰۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲	р 	1 minutes of the second	-2.03 dBm 2.3970 GHz -51.20 dBm 6.7326 GHz
Ref Level Att SGL Count 9 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30.0 M Marker Type M1 M2 M3	20.00 dBm 30 dB 10/10 01 -21.855 M3 MHz MHz 1 1 1	Offset 2 SwT : dBm dBm <u>Md</u> «راسالارساد 2.3: 16.73 4.76i 7.0	2.38 dB 265 ms 1265 ms 1265 ms 1265 ms 1275	RBW 100 kH: VBW 300 kH: VBW 3	2 Mode . 	Auto Swee 1[1] 2[1] M2 ۲۰۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲	р 	Sto	-2.03 dBm 2.3970 GHz -51.20 dBm 6.7326 GHz





