

RADIO TEST REPORT FCC ID: 2AT9T-1001

Certificate #4298 0

Product: Tablet Trade Mark: ulefone Model No.: UF1001 Family Model: Tab W10, Tab W10 Pro, Tab W10 Ultra Report No.: S24071103506002 Issue Date: Aug 05. 2024

Prepared for

Shenzhen Ulefone Technology Co., Ltd.

7A01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua District, Shenzhen City, Guangdong Province China

Prepared by

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





TABLE OF CONTENTS

1	TEST RESULT CERTIFICATION	4
2	SUMMARY OF TEST RESULTS	5
3	FACILITIES AND ACCREDITATIONS	6
-		
	 FACILITIES LABORATORY ACCREDITATIONS AND LISTINGS 	
	3 MEASUREMENT UNCERTAINTY	
4	GENERAL DESCRIPTION OF EUT	7
5	DESCRIPTION OF TEST MODES	
6	SETUP OF EQUIPMENT UNDER TEST	10
6	1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM	10
	2 SUPPORT EQUIPMENT	11
6	3 EQUIPMENTS LIST FOR ALL TEST ITEMS	12
7	TEST REQUIREMENTS	14
7	1 CONDUCTED EMISSIONS TEST	
,	7.1.1 Applicable Standard	
	7.1.2 Conformance Limit	
	7.1.3 Measuring Instruments	
	7.1.4 Test Configuration	
	7.1.5 Test Procedure	
7	7.1.6 Test Results	
/	7.2.1 Applicable Standard	
	7.2.2 Conformance Limit	
	7.2.3 Measuring Instruments	
	7.2.4 Test Configuration	
	7.2.5 Test Procedure	
_	7.2.6 Test Results	
7	3 6DB BANDWIDTH	
	 7.3.1 Applicable Standard 7.3.2 Conformance Limit 	
	7.3.3 Measuring Instruments	
	7.3.4 Test Setup	
	7.3.5 Test Procedure	
	7.3.6 Test Results	
7	4 DUTY CYCLE	
	7.4.1 Applicable Standard	
	7.4.2 Conformance Limit	
	7.4.3 Measuring Instruments 7.4.4 Test Setup	
	7.4.5 Test Procedure	
	7.4.6 Test Results	
7	5 PEAK OUTPUT POWER	
	7.5.1 Applicable Standard	
	7.5.2 Conformance Limit	
	7.5.3 Measuring Instruments	
	7.5.4 Test Setup	
	7.5.5 Test Procedure	
	7.5.V 1051 ACSUUS	29

NTEK 北测[®]



7.6	Б	POWER SPECTRAL DENSITY	30
	.6.1	Applicable Standard	
	.6.2	Conformance Limit	
-	.6.3	Measuring Instruments	
		Test Setup	
	.6.5	Test Procedure	
-	.6.6	Test Results	
7.7		CONDUCTED BAND EDGE MEASUREMENT	
7	7.7.1	Applicable Standard	
7	7.7.2	Conformance Limit	
7	7.7.3	Measuring Instruments	
7	7.7.4	Test Setup	
7	7.7.5	Test Procedure	
7	7.7.6	Test Results	32
7.8	S	PURIOUS RF CONDUCTED EMISSIONS	33
7	7.8.1	Conformance Limit	33
7	7.8.2	Measuring Instruments	33
7	.8.3	Test Setup	
7	7.8.4	Test Procedure	33
7	.8.5	Test Results	33
7.9	A	ANTENNA APPLICATION	
7	.9.1	Antenna Requirement	
7	.9.2	Result	34
8 1	TEST	RESULTS	35
8.1	1	M:	35
	8.1.1	Duty Cycle	
-	8.1.2	Maximum Conducted Output Power	
	8.1.3	-6dB Bandwidth	
	8.1.4	Occupied Channel Bandwidth	
-	8.1.5	Maximum Power Spectral Density Level	
	8.1.6	Band Edge	
	8.1.7	Conducted RF Spurious Emission	
8.2	2	M:	
8	8.2.1	Duty Cycle	
8	8.2.2	Maximum Conducted Output Power	
8	8.2.3		
		-6dB Bandwidth	05
8	8.2.4	Occupied Channel Bandwidth	66
	8.2.4 8.2.5	Occupied Channel Bandwidth Maximum Power Spectral Density Level	66 69
8		Occupied Channel Bandwidth Maximum Power Spectral Density Level Band Edge	66 69 72
8 8	8.2.5	Occupied Channel Bandwidth Maximum Power Spectral Density Level	66 69 72

NTEK 北测



1 TEST RESULT CERTIFICATION

Applicant's name:	Shenzhen Ulefone Technology Co., Ltd.
Address:	7A01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua District, Shenzhen City, Guangdong Province China
Manufacturer's Name:	Shenzhen Gotron Electronic CO.,LTD.
Address:	7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua District, Shenzhen City, Guangdong Province China
Product description	
Product name:	Tablet
Model and/or type reference:	UF1001
Family Model	Tab W10, Tab W10 Pro, Tab W10 Ultra
Sample number:	S240711035006
Date of Test:	Jul 12, 2024 ~ Aug 05, 2024

Measurement Procedure Used:

APPLICABLE STANDARDS			
APPLICABLE STANDARD/ TEST PROCEDURE TEST RESULT			
FCC 47 CFR Part 2, Subpart J			
FCC 47 CFR Part 15, Subpart C	Complied		
ANSI C63.10-2013			
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.

Prepared By: Joe Yan (Prejaret Engineer) Reviewed By: Aawn Cheng By: Aaron Cheng (Prejaret Engineer) (Project Engineer) (Supervisor) (Manager)

NTEK 北测

SUMMARY OF TEST RESULTS 2

R

ilac-M

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					

ACCREDITED

Certificate #4298.01

Remark:

 "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, Xixiang, Bao'an 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.
-	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 Communique dated 8 January 2009).
Name of Firm :	Shenzhen NTEK Testing Technology Co., Ltd.
Site Location :	1/F, Building E, Fenda Science Park Sanwei, Xixiang, Bao'an
	District, Shenzhen, Guangdong, China.
	District, Chonzhon, Cuangaong, 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	±3.7dB

NTEK 北测



4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification				
Equipment Tablet				
Trade Mark	ulefone			
FCC ID	2AT9T-1001			
Model No.	UF1001			
Family Model	Tab W10, Tab W10 Pro, Tab W10 Ultra			
Model Difference	All models are the same circuit and RF module, except for the model name.			
Operating Frequency	2402MHz~2480MHz			
Modulation	GFSK			
Number of Channels	40 Channels			
Antenna Type	FPC Antenna			
Antenna Gain	0.5dBi			
Adapter	Model: HJ-0502000W2-US Input: 100-240V~50/60Hz 0.3A Output: 5.0V2A 10.0W			
Battery	DC 3.8V, 6600mAh, 25.08Wh			
Power supply	DC 3.8V from battery or DC 5V from Type-C port.			
Hardware version:	N/A			
Firmware version:	N/A			
Software version:	N/A			

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





Revision History

Revision history					
Report No.	Version	Description	Issued Date		
S24071103506002	Rev.01	Initial issue of report	Aug 05. 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.

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/2Mbps 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+kx2MHz 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/2Mbps	
Cases	Mode 3: GFSK Tx Ch19_2440MHz_1Mbps/2Mbps	
	Mode 4: GFSK Tx Ch39_2480MHz_1Mbps/2Mbps	
Conducted Test	Mode 2: GFSK Tx Ch00_2402MHz_1Mbps/2Mbps	
Conducted Test	Mode 3: GFSK Tx Ch19_2440MHz_1Mbps/2Mbps	
Cases	Mode 4: GFSK Tx Ch39_2480MHz_1Mbps/2Mbps	

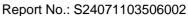
Note:

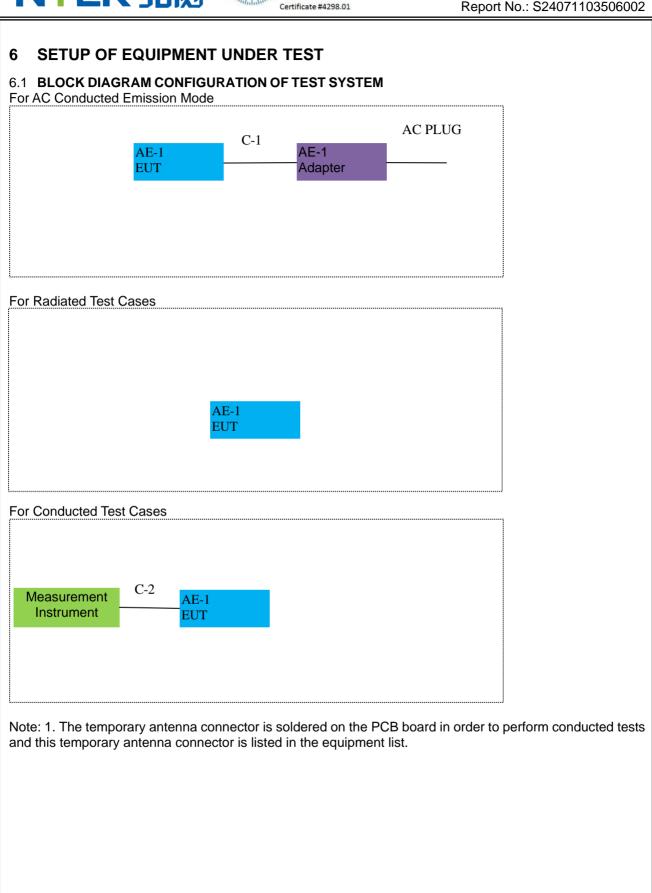
1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode

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.

NTEK 北测





ACCRED





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	Tablet	UF1001	N/A	EUT
AE-2	Adapter	HJ-0502000W2-US	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	USB Cable	YES	NO	0.8m
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".

NTEK 北测



6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

adiatic		cor equipment					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2024.03.12	2025.03.11	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2024.04.26	2025.04.25	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2024.03.12	2025.03.11	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	EM	EM-AH-1018 0	2011071402	2024.03.12	2025.03.11	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2024.05.12	2027.05.11	3 year
9	Amplifier	EMC	EMC051835 SE	980246	2024.01.23	2025.01.22	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	2024.04.25	2025.04.24	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	2024.04.26	2027.04.25	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





AC Co	AC 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 z)	N/A	C03	N/A	2023.05.06	2026.05.05	3 year

ACCRED

Certificate #4298.01

z) z

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.

NTEK 北测[®]



7 TEST REQUIREMENTS

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(IVII IZ)	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

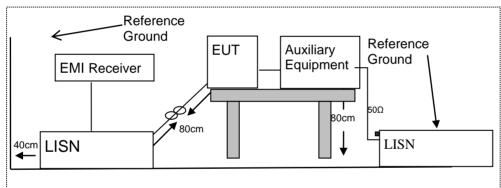
2. The lower limit shall apply at the transition frequencies

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

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

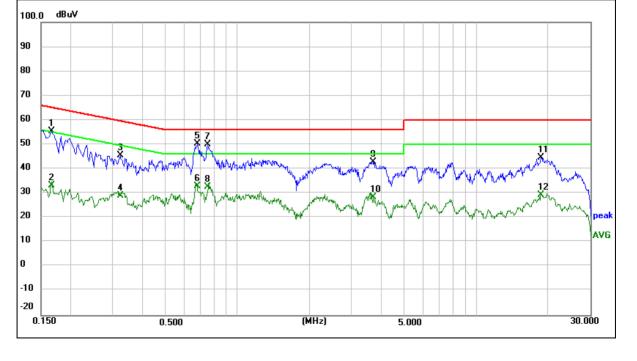
EUT:	Tablet	Model Name :	UF1001
Temperature:	22 °C	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1660	45.36	9.97	55.33	65.16	-9.83	QP
0.1660	23.24	9.97	33.21	55.16	-21.95	AVG
0.3220	35.14	10.28	45.42	59.66	-14.24	QP
0.3220	18.69	10.28	28.97	49.66	-20.69	AVG
0.6820	39.23	11.01	50.24	56.00	-5.76	QP
0.6820	21.86	11.01	32.87	46.00	-13.13	AVG
0.7500	38.97	11.15	50.12	56.00	-5.88	QP
0.7500	21.65	11.15	32.80	46.00	-13.20	AVG
3.6860	33.21	9.67	42.88	56.00	-13.12	QP
3.6860	18.70	9.67	28.37	46.00	-17.63	AVG
18.6900	35.06	9.72	44.78	60.00	-15.22	QP
18.6900	19.68	9.72	29.40	50.00	-20.60	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.







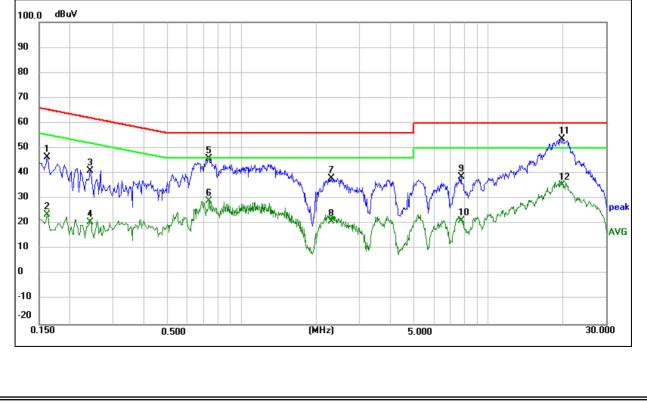
EUT:	Tablet	Model Name :	UF1001
Temperature:	22 ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	N
lest voltage .	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demerli
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1620	36.60	9.95	46.55	65.36	-18.81	peak
0.1620	13.71	9.95	23.66	55.36	-31.70	AVG
0.2420	30.88	10.12	41.00	62.03	-21.03	peak
0.2420	10.64	10.12	20.76	52.03	-31.27	AVG
0.7340	34.80	11.11	45.91	56.00	-10.09	peak
0.7340	17.82	11.11	28.93	46.00	-17.07	AVG
2.2980	28.52	9.66	38.18	56.00	-17.82	peak
2.2980	11.42	9.66	21.08	46.00	-24.92	AVG
7.7500	28.97	9.68	38.65	60.00	-21.35	peak
7.7500	11.53	9.68	21.21	50.00	-28.79	AVG
19.8700	43.93	9.72	53.65	60.00	-6.35	peak
19.8700	25.54	9.72	35.26	50.00	-14.74	AVG

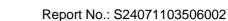
Remark:

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

2. Factor = Insertion Loss + Cable Loss.







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

Certificate #4298.01

According to 1 CC 1 art 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			

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)

	Class B (dBuV/m) (at 3M)		
Frequency(MHz)	PEAK	AVERAGE	
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.

NTEK 北测

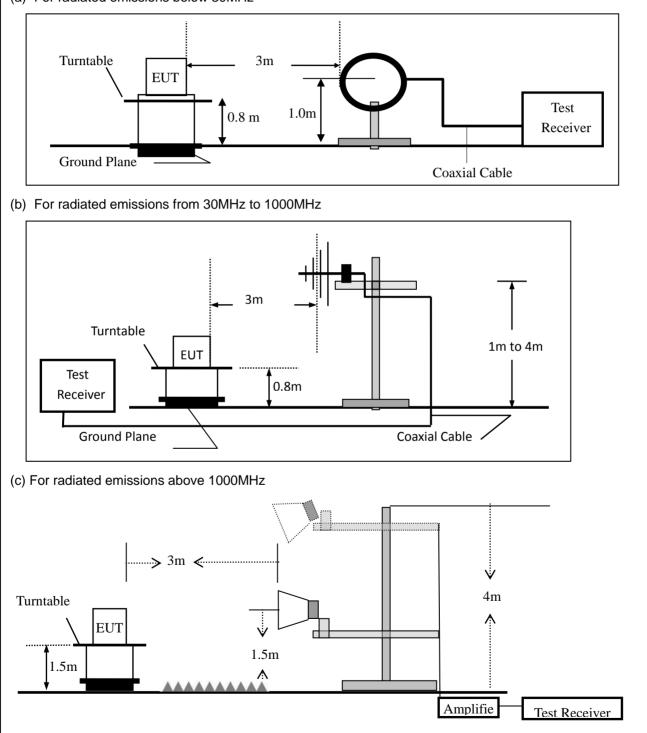


7.2.3 Measuring Instruments

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





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.

Certificate #4298.01

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:

Certificate #4298.01

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth	
30 to 1000	QP	120 kHz	300 kHz	
Above 4000	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:	Tablet	Model No.:	UF1001
Temperature:	20 ℃	Relative Humidity:	48%
Test 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:

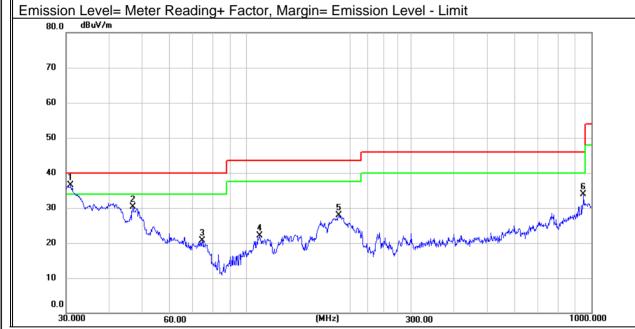
EUT:	Tablet	Model Name :	UF1001
Temperature:	25 ℃	Relative Humidity:	55%
Pressure:	1010hPa	Test Mode:	Mode 4 1Mbps
Test Voltage :	DC 3.8V		

ACCREDITED

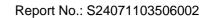
Certificate #4298.01

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	30.9618	25.77	10.73	36.50	40.00	-3.50	peak
V	46.8301	16.76	13.58	30.34	40.00	-9.66	peak
V	74.3953	12.61	8.19	20.80	40.00	-19.20	peak
V	109.0284	10.31	11.79	22.10	43.50	-21.40	peak
V	185.1376	17.19	10.70	27.89	43.50	-15.61	peak
V	948.7610	9.24	24.72	33.96	46.00	-12.04	peak

Remark:







Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	33.4450	8.71	11.03	19.74	40.00	-20.26	peak
Н	46.9947	8.00	13.58	21.58	40.00	-18.42	peak
Н	127.6645	12.17	8.94	21.11	43.50	-22.39	peak
Н	176.8877	19.44	9.88	29.32	43.50	-14.18	peak
Н	248.5520	14.15	12.61	26.76	46.00	-19.24	peak
Н	952.0937	5.82	24.75	30.57	46.00	-15.43	peak
80.0	n Level= Meter dBuV/m						
70 -							
60 -							
50 -							<u>_</u>
40							6
30 20	Hundrey Harrison	www.www.www.m.M	www.ammuna	Ann Ann	W wager to make make	Al- Alexand Mary Mary	une Ma
10 -							
0.0 30.	000 6	60.00	(MHz)	300.00		1000.000

ACCREDITED

Certificate #4298.01





UT:	Tab	let		Mc	del No.:		UF1	001		
emperature:	20 °	С		Re	lative Humid	ity:	y: 48%			
est Mode:	Moc	le2/Mod	e3/Mode4	Те	Test By: Joe Yan			Yan		
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limi	its	Margin	Remark	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ∖	//m)	(dB)		
	-	-	Low Cha	nnel (240	02 MHz)(GFSk	()Abo	ve 10	3		
4804	71.4	5.21	35.59	44.30	67.90	74.(00	-6.10	Pk	Vertical
4804	51.43	5.21	35.59	44.30	47.93	54.0	00	-6.07	AV	Vertical
7206	70.82	6.48	36.27	44.60	68.97	74.(00	-5.03	Pk	Vertical
7206	50.13	6.48	36.27	44.60	48.28	54.0	00	-5.72	AV	Vertical
4804	72.75	5.21	35.55	44.30	69.21	74.(00	-4.79	Pk	Horizontal
4804	51.73	5.21	35.55	44.30	48.19	54.0	00	-5.81	AV	Horizontal
7206	69.70	6.48	36.27	44.52	67.93	74.(00	-6.07	Pk	Horizontal
7206	47.60	6.48	36.27	44.52	45.83	54.0	00	-8.17	AV	Horizontal
Mid Channel (2440 MHz)(GFSK)Above 1G										
4880	71.43	5.21	35.66	44.20	68.10	74.(00	-5.90	Pk	Vertical
4880	49.48	5.21	35.66	44.20	46.15	54.0	00	-7.85	AV	Vertical
7320	69.91	7.10	36.50	44.43	69.08	74.(00	-4.92	Pk	Vertical
7320	47.03	7.10	36.50	44.43	46.20	54.0	00	-7.80	AV	Vertical
4880	72.46	5.21	35.66	44.20	69.13	74.(00	-4.87	Pk	Horizontal
4880	50.55	5.21	35.66	44.20	47.22	54.0	00	-6.78	AV	Horizontal
7320	71.68	7.10	36.50	44.43	70.85	74.(00	-3.15	Pk	Horizontal
7320	48.31	7.10	36.50	44.43	47.48	54.0	00	-6.52	AV	Horizontal
			High Cha	nnel (248	30 MHz)(GFSH	<) Abc	ove 10	G		
4960	70.94	5.21	35.52	44.21	67.46	74.(00	-6.54	Pk	Vertical
4960	51.36	5.21	35.52	44.21	47.88	54.0	00	-6.12	AV	Vertical
7440	72.32	7.10	36.53	44.60	71.35	74.(00	-2.65	Pk	Vertical
7440	48.17	7.10	36.53	44.60	47.20	54.0	00	-6.80	AV	Vertical
4960	68.66	5.21	35.52	44.21	65.18	74.(00	-8.82	Pk	Horizontal
4960	47.39	5.21	35.52	44.21	43.91	54.0	00	-10.09	AV	Horizontal
7440	70.47	7.10	36.53	44.60	69.50	74.(00	-4.50	Pk	Horizontal
7440	50.42	7.10	36.53	44.60	49.45	54.0	00	-4.55	AV	Horizontal

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 E	mission in	Restrict	ed Band 2	310-2390	MHz and	2483.	5-25	00MHz		
EUT	Γ:	Tablet			Model	Model No.:		UF1001			
Tem	perature:	20 ℃			Relative Humidity: 48%						
Tes	t Mode:	Mode2/ M	Node4		Test B	y:		Joe	Yan		
							1				
	Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Lim	iits	Margin	Detector	Comment
	(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	V/m)	(dB)	Туре	
					1Mbps	s(GFSK)					
	2310.00	70.21	2.97	27.80	43.80	57.18	74	4	-16.82	Pk	Horizontal
	2310.00	47.55	2.97	27.80	43.80	34.52	54	4	-19.48	AV	Horizontal
	2310.00	71.62	2.97	27.80	43.80	58.59	74	4	-15.41	Pk	Vertical
	2310.00	49.66	2.97	27.80	43.80	36.63	54	4	-17.37	AV	Vertical
	2390.00	72.24	3.14	27.21	43.80	58.79	74	4	-15.21	Pk	Vertical
	2390.00	49.38	3.14	27.21	43.80	35.93	54	4	-18.07	AV	Vertical
	2390.00	71.36	3.14	27.21	43.80	57.91	74	4	-16.09	Pk	Horizontal
	2390.00	50.56	3.14	27.21	43.80	37.11	54	4	-16.89	AV	Horizontal
	2483.50	68.98	3.58	27.70	44.00	56.26	74	4	-17.74	Pk	Vertical
	2483.50	49.21	3.58	27.70	44.00	36.49	54	4	-17.51	AV	Vertical
	2483.50	70.46	3.58	27.70	44.00	57.74	74	4	-16.26	Pk	Horizontal
	2483.50	49.4	3.58	27.70	44.00	36.68	54	4	-17.32	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

JT:	Tablet			Model I	Model No.:			UF1001		
emperature:	20 ℃		Relative Humidity:			48%				
est Mode:	est Mode: Mode2/ Mode4		Test By	Test By: Joe Yan						
Frequency	Reading Level	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Lii	mits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBj	µV/m)	(dB)	Туре	
3260	70.22	4.04	29.57	44.70	59.13	-	74	-14.87	Pk	Vertical
3260	48.85	4.04	29.57	44.70	37.76	ļ	54	-16.24	AV	Vertical
3260	70.93	4.04	29.57	44.70	59.84	-	74	-14.16	Pk	Horizontal
3260	49.02	4.04	29.57	44.70	37.93		54	-16.07	AV	Horizontal
3332	69.90	4.26	29.87	44.40	59.63	-	74	-14.37	Pk	Vertical
3332	46.98	4.26	29.87	44.40	36.71	:	54	-17.29	AV	Vertical
3332	71.03	4.26	29.87	44.40	60.76	-	74	-13.24	Pk	Horizontal
3332	49.31	4.26	29.87	44.40	39.04	;	54	-14.96	AV	Horizontal
17797	55.12	10.99	43.95	43.50	66.56	-	74	-7.44	Pk	Vertical
17797	41.59	10.99	43.95	43.50	53.03	!	54	-0.97	AV	Vertical
17788	52.21	11.81	43.69	44.60	63.11	-	74	-10.89	Pk	Horizontal
17788	35.94	11.81	43.69	44.60	46.84		54	-7.16	AV	Horizontal

ilac-M

ACCRED

Certificate #4298.01

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.

Certificate #4298.01

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:	Tablet	Model No.:	UF1001
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:	Tablet	Model No.:	UF1001
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Joe Yan

ACCREDITED

Certificate #4298.01





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.

Certificate #4298.01

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:	Tablet	Model No.:	UF1001
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.





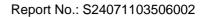
7.6.6 Test Results

EUT:	Tablet	Model No.:	UF1001
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Joe Yan

ACCREDITED

Certificate #4298.01





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:	Tablet	Model No.:	UF1001
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.

Certificate #4298.01

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 26.5GHz.

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 permanent attached FPC antenna (Gain: 0.5 dBi). It comply with the standard requirement.



8 TEST RESULTS

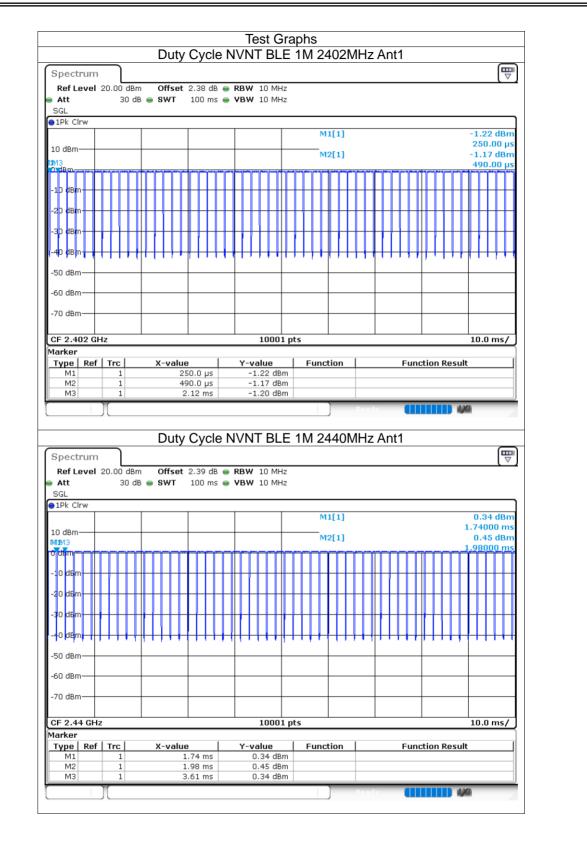
8.1 **1M:**

8.1.1 **Duty Cycle**

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	87.58	0.58	0.61
NVNT	BLE 1M	2440	Ant1	87.71	0.57	0.61
NVNT	BLE 1M	2480	Ant1	87.58	0.58	0.61



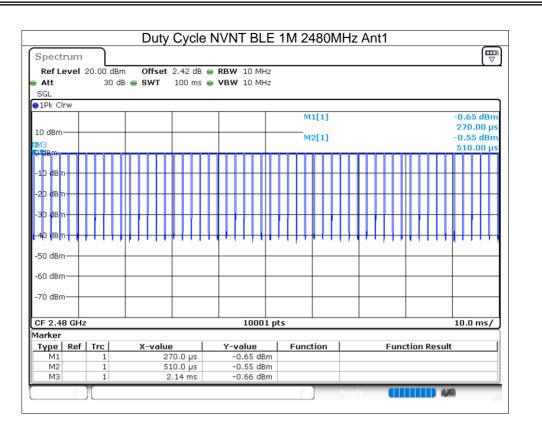
Report No.: S24071103506002



ACCREDITED

Certificate #4298.01





ACCREDITED



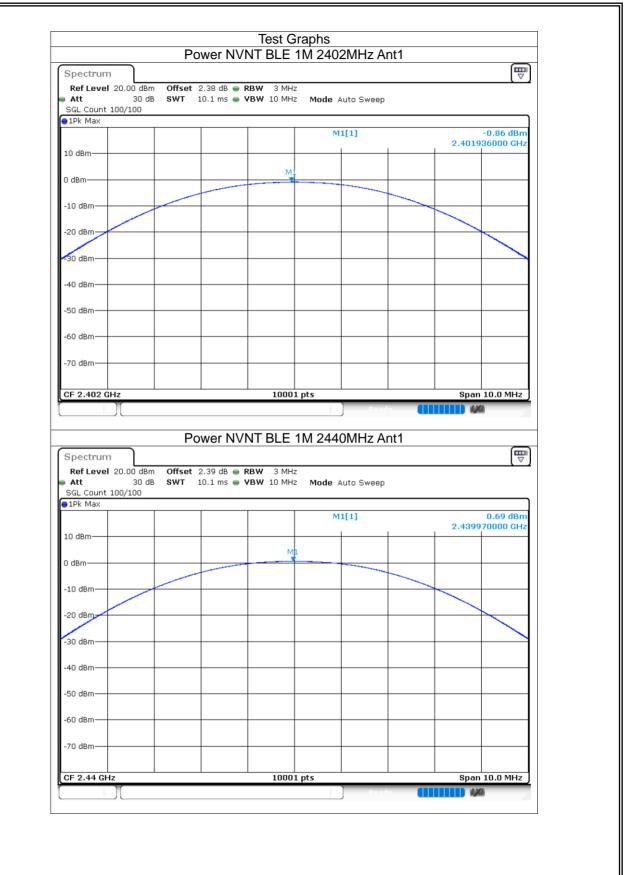
8.1.2 Maximum Conducted Output Power

ilac-MR

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-0.86	30	Pass
NVNT	BLE 1M	2440	Ant1	0.69	30	Pass
NVNT	BLE 1M	2480	Ant1	-0.33	30	Pass

ACCRE





ACCREDITED



	Fowe	INVINI DLE	1M 2480MHz	Anti	
Spectrum					
Ref Level 20.00 d		-			
	dB SWT 10.1	ns 👄 VBW 10 MHz	Mode Auto Swee	p	
SGL Count 100/100					
1Pk Max					0.00.10
			M1[1]		-0.33 dBm 2.479909000 GHz
10 dBm					2.479909000 GH2
) dBm		M1			
abin					
-10 dBm					
10 dBm					
20 dBm					
30 dBm					
40 dBm					
-50 dBm					
60 dBm					
70 dBm					
CF 2.48 GHz		10001	l pts		Span 10.0 MHz

ACCREDITED





8.1.3-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.715	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.653	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.707	0.5	Pass





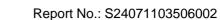
ACCREDITED



pectrum						
Ref Level		Bm Offset 2.42 dB 📢				
Att	20.00 u 30			Mode Auto FFT		
GL Count 1		db 3441 10.5 µ5	707 300 KHZ	MOUE AUTOFFT		
LPk Max	00, 200					
				M1[1]		-1.61 dB
				(inter)		2.480000400 GH
) dBm				M2[1]		-7.61 dBi
			M1			2.479645000 GH
dBm —		M2		M	3	
0.40		I I I I I I I I I I I I I I I I I I I	· · ·			
0 dBm						
0 dBm						
0 ubiii						
0 dBm	/					
0 dBm						
) dBm						
) dBm——						
2.48 GHz	2			s		Span 2.0 MHz
rker			•			•
ype Ref	Trc	X-value	Y-value	Function	Funct	ion Result
M1	1	2.4800004 GHz	-1.61 dBm			
M2	1	2.479645 GHz	-7.61 dBm			
M3	1	2.480353 GHz	-7.61 dBm			

ACCREDITED



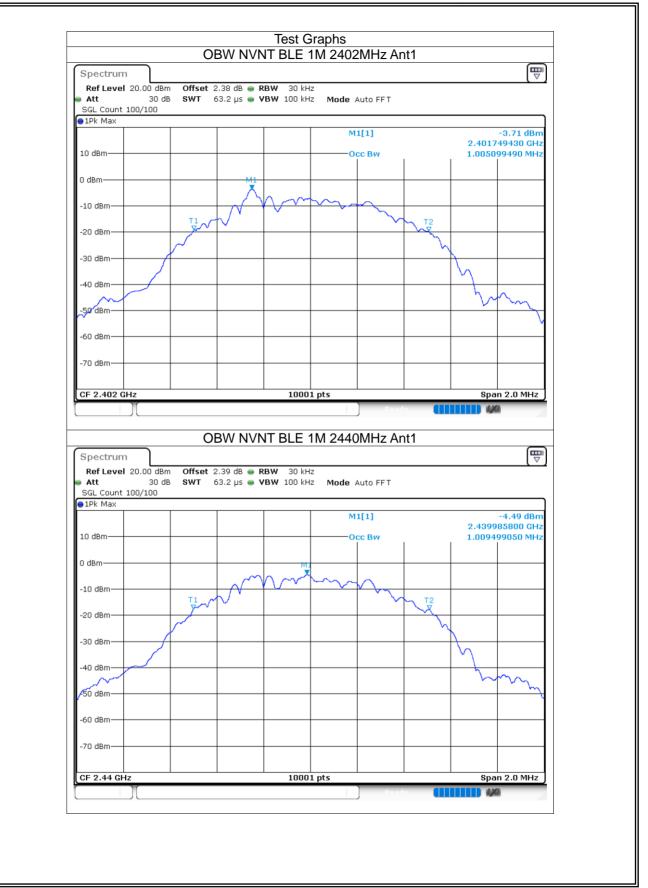


8.1.4 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	1.005	Pass
NVNT	BLE 1M	2440	Ant1	1.009	Pass
NVNT	BLE 1M	2480	Ant1	1.008	Pass

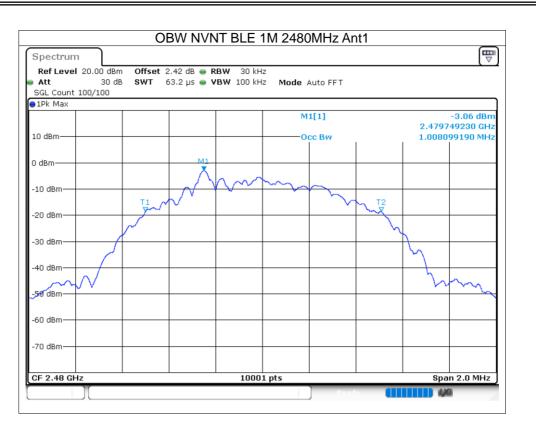
ACCREDITED





ACCREDITED





ACCREDITED

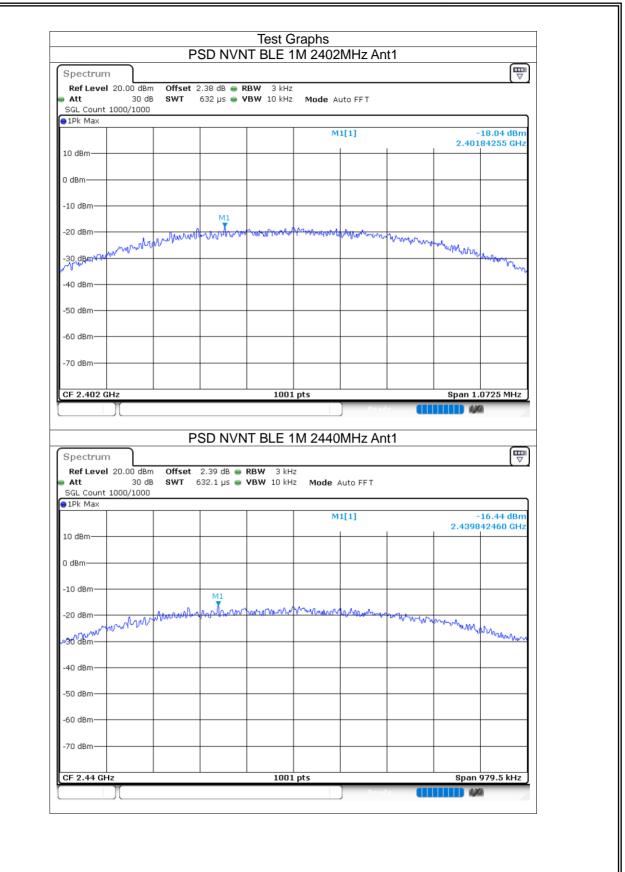




8.1.5 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-18.04	8	Pass
NVNT	BLE 1M	2440	Ant1	-16.44	8	Pass
NVNT	BLE 1M	2480	Ant1	-17.5	8	Pass





ACCREDITED



	BLE 1M 2480MHz Ant1	m
Spectrum		
Ref Level 20.00 dBm Offset 2.42 dB RB		
Att 30 dB SWT 632.2 µs ● VB SGL Count 1000/1000	W 10 kHz Mode Auto FFT	
12Pk Max		
	M1[1]	-17.50 dBm
		2.47984215 GHz
.0 dBm		
) dBm		
10 dBm M1		
20 dBm	and and a second property and and the second and the second s	Mound 1
and a share a sh		- Annow Marine
20 dBm	manade Marine and allow a way way	and the state
40 dBm		
50 dBm		
60 dBm		
70 dBm		
CF 2.48 GHz	1001 pts	Span 1.0605 MHz

ACCREDITED





8.1.6Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-58.83	-20	Pass
NVNT	BLE 1M	2480	Ant1	-59.92	-20	Pass

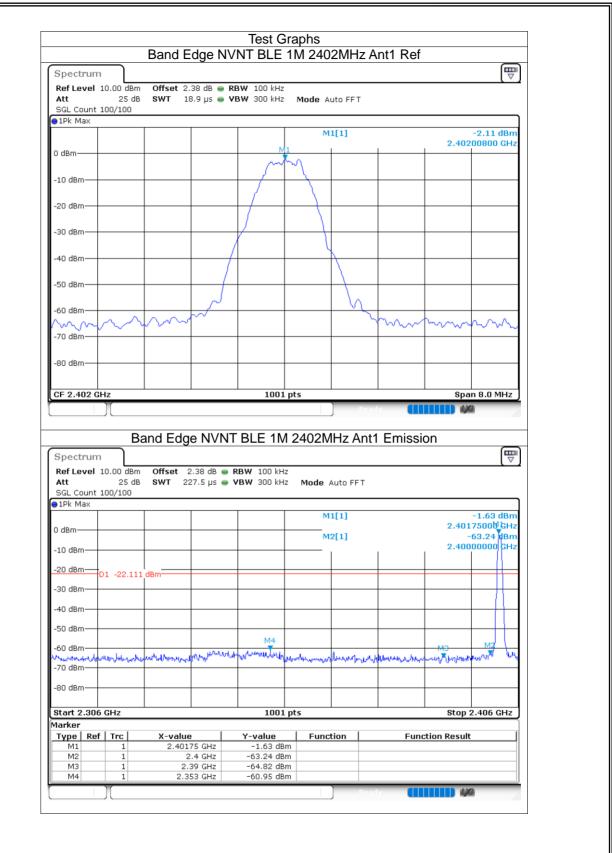


Iac-MR

ACCREDITED

Certificate #4298.01

Report No.: S24071103506002





Att SGL Count :	10.00 dBm 25 dB	Offset 2.4 SWT 18.		BW 100 kHz BW 300 kHz	Mode A	uto FFT			
1Pk Max					M.	1[1]			-0.97 dBm
				M1		1[1]		2.479	75220 GHz
0 dBm				M	\sim				
-10 dBm									
-20 dBm					\rightarrow				
-30 dBm					\rightarrow				
-40 dBm				+		\sim			
-50 dBm									
-60 dBm	\sim	m	\sim			Jul	m	\sim	m
-70 dBm	v								
-80 dBm									
CF 2.48 GH	-			1001	pts			Spa	n 8.0 MHz
	Ba	and Edge	e NVNT	BLE 1M) Rear IHz Ant	I Emissi	on	
Spectrum	Ba 10.00 dBm 25 dB	Offset 2.	42 dB 🖷 F		2480M		I Emissi	on	
Spectrum Ref Level Att	Ba 10.00 dBm 25 dB	Offset 2.	42 dB 🖷 F	BLE 1M	2480M Mode 4	Auto FFT	Emissi	on	
Spectrum Ref Level Att SGL Count IPk Max	Ba 10.00 dBm 25 dB	Offset 2.	42 dB 🖷 F	BLE 1M	2480M Mode /		I Emissio	2.479	-0.99 dBm 75000 GHz 64.73 dBm
Spectrum Ref Level Att SGL Count IRk Max 0 dBm -10 dBm	Ba 10.00 dBm 25 dB 100/100	Offset 2. SWT 227	42 dB 🖷 F	BLE 1M	2480M Mode /	Auto FFT 1[1]		2.479	-0.99 dBm
Spectrum Ref Level Att SGL Count IPk Max	Ba 10.00 dBm 25 dB 100/100	Offset 2. SWT 227	42 dB 🖷 F	BLE 1M	2480M Mode /	Auto FFT 1[1]		2.479	-0.99 dBm 75000 GHz 64.73 dBm
Spectrum Ref Level Att SGL Count IPk Max 0 dim -10 dBm -20 cBm -30 cBm -40 dBm	Ba 10.00 dBm 25 dB 100/100	Offset 2. SWT 227	42 dB 🖷 F	BLE 1M	2480M Mode /	Auto FFT 1[1]		2.479	-0.99 dBm 75000 GHz 64.73 dBm
Spectrum Ref Level Att SGL Count IPK Max 0 dBm -10 dBm -20 cBm -30 cBm	Ba 10.00 dBm 25 dB 100/100 D1 -20.968	Offset 2. SWT 227	42 dB ● F 7.5 µs ● N	BLE 1M	2480M Mode / M	Auto FFT 1[1] 2[1]		2.479	-0.99 dBm 75000 GHz 64.73 dBm 50000 GHz
Spectrum Ref Level Att SGL Count JIPK Max 0 dam -10 dBm -20 cBm -30 cBm -30 cBm -50 dBm -50 dBm -70 dBm	Ba 10.00 dBm 25 dB 100/100	Offset 2. SWT 227	42 dB 🖷 F	BLE 1M	2480M Mode / M	Auto FFT 1[1]		2.479	-0.99 dBm 75000 GHz 64.73 dBm 50000 GHz
Spectrum Ref Level Att SGL Count IPk Max M1 0 dam -10 dBm -20 cBm -20 cBm -30 cBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm	Ba 10.00 dBm 25 dB 100/100 D1 -20.968	Offset 2. SWT 227	42 dB ● F 7.5 µs ● N		2480M Mode A M M	Auto FFT 1[1] 2[1]		2.479 - 2.483 	-0.99 dBm 75000 GHz 64.73 dBm 550000 GHz
Spectrum Ref Level Att SGL Count IPk Max 0 dam -10 dBm -20 cBm -30 cBm -40 dBm -50 dBm -50 dBm	Ba 10.00 dBm 25 dB 100/100 D1 -20.968	Offset 2. SWT 227	42 dB ● F 7.5 µs ● N	BLE 1M	2480M Mode A M M	Auto FFT 1[1] 2[1]		2.479 - 2.483 	-0.99 dBm 75000 GHz 64.73 dBm 50000 GHz
Spectrum Ref Level Att SGL Count IPK Max 0 dBm -10 dBm -20 cBm -30 cBm -40 dBm -60 dBm -60 dBm -60 dBm -70 dBm -80	Ba 10.00 dBm 25 dB 100/100 D1 -20.968 	Offset 2. SWT 227	42 dB ● F 7.5 μs ● N	BLE 1M	2480M Mode A M M M	Auto FFT 1[1] 2[1]		2.479 - 2.483 	-0.99 dBm 75000 GHz 64.73 dBm 50000 GHz
Spectrum Ref Level Att SGL Count IPk Max M1 0 dam -10 dBm -20 cBm -20 cBm -30 cBm -40 dBm -50 dBm -60 dBm -60 dBm -70 dBm -70 dBm -80 dBm -90 dBm	Ba 10.00 dBm 25 dB 100/100 D1 -20.968 	Offset 2. SWT 227	42 dB • Γ 7.5 μs • Ν	BLE 1M	2480M Mode 4 M M M M M	Auto FFT 1[1] 2[1]		2.479 - 2.483 ////.j. ^{[//Aut./with.} Stop :	-0.99 dBm 75000 GHz 64.73 dBm 50000 GHz
Spectrum Ref Level Att SGL Count J1Pk Max 0 dBm -10 dBm -20 cBm -30 cBm -30 cBm -50 dBm -50 dBm -69 dBm -70 dBm -70 dBm -70 dBm -80 dBm -80 dBm -80 dBm -70 dBm -70 dBm -70 dBm -80 dBm -80 dBm -80 dBm -80 dBm -70 dBm -70 dBm -70 dBm -70 dBm -80 dBm -80 dBm -80 dBm -80 dBm -70 dBm -70 dBm -80 dBm -80 dBm -80 dBm -80 dBm -70 dBm -80	Ba 10.00 dBm 25 dB 100/100 D1 -20.968 	Offset 2. SWT 227	42 dB 7.5 μs 1.5 μs	BLE 1M	2480M	Auto FFT 1[1] 2[1]		2.479 - 2.483 ////.j. ^{[//Aut./with.} Stop :	-0.99 dBm 75000 GHz 64.73 dBm 50000 GHz

ACCREDITED





8.1.7Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-48.78	-20	Pass
NVNT	BLE 1M	2440	Ant1	-49.85	-20	Pass
NVNT	BLE 1M	2480	Ant1	-48.81	-20	Verdict Pass Pass Pass

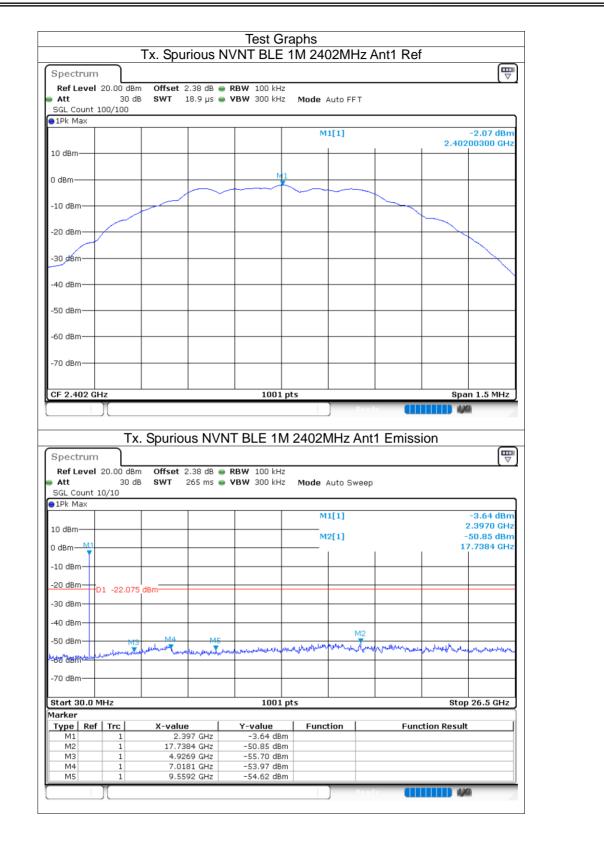


ilac-MR

ACCREDITED

Certificate #4298.01

Report No.: S24071103506002





Ref Level Att SGL Count 1	30 dE		 RBW 100 kHz VBW 300 kHz 	Mode Auto FFT			
●1Pk Max							
		M1		M1[1]		2.4397	-0.78 dBm 509580 GHz
0 dBm							
-10 dBm						-	
-20 dBm							
-30 dBm							
40 d0m							
-40 dBm							
-50 dBm							┼───┨│
-60 dBm							
-70 dBm							↓]
-80 dBm							┼───┨│
05 0 44 011-			00001	te.	•	Spa	n 1.5 MHz
CF 2.44 GHz Spectrum Ref Level	Tx 10.00 dBm		e RBW 100 kHz	2440MHz Ai			
Spectrum Ref Level Att SGL Count 1	Tx 10.00 dBn 30 dE	n Offset 2.39 dB	NT BLE 1M	2440MHz Ai			4
Spectrum Ref Level Att	Tx 10.00 dBn 30 dE	n Offset 2.39 dB	NT BLE 1M	2440MHz Ai Mode Auto Swe			
Spectrum Ref Level Att SGL Count 1	Tx 10.00 dBn 30 dE	n Offset 2.39 dB	NT BLE 1M	2440MHz An Mode Auto Swe		sion 2	-1.41 dBm 440010 GHz
Spectrum Ref Level Att SGL Count 1 1Pk Max M1	Tx 10.00 dBn 30 dE	n Offset 2.39 dB	NT BLE 1M	2440MHz Ai Mode Auto Swe		sion 2.4	-1.41 dBm
Spectrum Ref Level Att SGL Count 1 PIPk Max 0 dBm -10 dBm	Tx Tx 10.00 dBn 30 dE 0/10	• Offset 2.39 dB • SWT 265 ms	NT BLE 1M	2440MHz An Mode Auto Swe		sion 2.4	-1.41 dBm 440010 GHz -50.63 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm	Tx Tx 10.00 dBn 30 dE 0/10	• Offset 2.39 dB • SWT 265 ms	NT BLE 1M	2440MHz An Mode Auto Swe		sion 2.4	-1.41 dBm 440010 GHz -50.63 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm	Tx Tx 10.00 dBn 30 dE 0/10	• Offset 2.39 dB • SWT 265 ms	NT BLE 1M	2440MHz An Mode Auto Swe		sion 2.4	-1.41 dBm 440010 GHz -50.63 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm	Tx Tx 10.00 dBn 30 dE 0/10	• Offset 2.39 dB • SWT 265 ms	NT BLE 1M	2440MHz An Mode Auto Swe		sion 2.4	-1.41 dBm 440010 GHz -50.63 dBm
Spectrum Ref Level Att SGL Count 1 JIPk Max M1 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	Tx 10.00 dBm 30 dE 0/10 1 -20.777	dBm	/NT BLE 1M	Mode Auto Swe	Эр 	2 15.7	-1.41 dBm 440010 GHz -50.63 dBm 710828 GHz
Spectrum Ref Level Att SGL Count 1 JIPk Max M1 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	Tx Tx 10.00 dBn 30 dE 0/10	dBm	/NT BLE 1M	Mode Auto Swe	2p	2 15.7	-1.41 dBm 440010 GHz -50.63 dBm 710828 GHz
Spectrum Ref Level Att SGL Count 1 JIPk Max M1 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	Tx 10.00 dBm 30 dE 0/10 1 -20.777	dBm	/NT BLE 1M	Mode Auto Swe	Эр 	2 15.7	-1.41 dBm 440010 GHz -50.63 dBm 710828 GHz
Spectrum Ref Level Att SGL Count 1 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Tx 10.00 dBm 30 dE 0/10 1 -20.777	dBm	/NT BLE 1M	Mode Auto Swe	Эр 	2 15.7	-1.41 dBm 440010 GHz -50.63 dBm 710828 GHz
Spectrum Ref Level Att SGL Count 1 IPK Max 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	Tx 10.00 dBn 30 dE 0/10 1 -20.777	dBm	/NT BLE 1M	Mode Auto Swe	Эр 	2 15	-1.41 dBm 440010 GHz -50.63 dBm 710828 GHz
Spectrum Ref Level Att SGL Count 1 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm -70 dBm -80 dBm -80 dBm -80 dBm	Tx 10.00 dBn 30 dE 0/10 1 -20.777 M3 M3 M3 M4 M4 M4 M4 M4 M4	dBm	/NT BLE 1M	2440MHz Ai 2440MHz Ai Mode Auto Swe M1[1] M2[1] M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	2p	2 15.7	-1.41 dBm 440010 GHz -50.63 dBm 710828 GHz
Spectrum Ref Level Att SGL Count 1 IPK Max O dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 d	Tx 10.00 dBn 30 dE 0/10 1 -20.777 M3 M3 M3 M4 M4 M4 M4 M4 M4	dBm	/NT BLE 1M	Mode Auto Swe	2p	2 15	-1.41 dBm 440010 GHz -50.63 dBm 710828 GHz
Spectrum Ref Level Att SGL Count 1 IPK Max U dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50 d	Tx 10.00 dBn 30 dE 0/10 1 -20.777 1 -20.777 HIZ HIZ Trc 1 1	A Offset 2.39 dB 3 SWT 265 ms dBm dBm M4 M4 M4	/NT BLE 1M	2440MHz Ai 2440MHz Ai Mode Auto Swe M1[1] M2[1] M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	2p	2 15.7	-1.41 dBm 440010 GHz -50.63 dBm 710828 GHz
Spectrum Ref Level SGL Count 1 IPk Max O dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -50 dBm -50 dBm -50 dBm -50 dBm -70 dBm -80 dBm	Tx 10.00 dBm 30 dE 0/10 1 -20.777 M3 M3 M3 M4 1 -20.777 M3 M4 1 -20.777 M3 1 -20.777	Offset 2.39 dB SWT 265 ms dBm	/NT BLE 1M	2440MHz Ai 2440MHz Ai Mode Auto Swe M1[1] M2[1] M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	2p	2 15.7	-1.41 dBm 440010 GHz -50.63 dBm 710828 GHz
Spectrum Ref Level Att SGL Count 1 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -80 dBm -70 dBm -70 dBm -80 dBm -70 dBm -80 dBm -80 dBm -80 dBm -80 dBm -70 dBm -80 dBm -80 dBm -80 dBm -80 dBm -70 dBm -80 dBm -70 dBm -80 dBm -80 dBm -70 dBm -80 dBm -80 dBm -80 dBm -80 dBm -80 dBm -90 dBm <t< td=""><td>Tx 10.00 dBn 30 dE 0/10 1 -20.777 1 -20.777 1 -20.777 1 -20.777 1 -20.777</td><td>Modified 2.39 dB SWT 265 ms dBm </td><td>/NT BLE 1M</td><td>2440MHz Ai 2440MHz Ai Mode Auto Swe M1[1] M2[1] M2 M2 M2 M2 M2 M2 M2 M2 M2 M2</td><td>2p</td><td>2 15.7</td><td>-1.41 dBm +40010 GHz -50.63 dBm 710828 GHz 10828 GHz 10828 GHz 10828 GHz 10828 GHz 10828 GHz 10828 GHz 10828 GHz</td></t<>	Tx 10.00 dBn 30 dE 0/10 1 -20.777 1 -20.777 1 -20.777 1 -20.777 1 -20.777	Modified 2.39 dB SWT 265 ms dBm	/NT BLE 1M	2440MHz Ai 2440MHz Ai Mode Auto Swe M1[1] M2[1] M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	2p	2 15.7	-1.41 dBm +40010 GHz -50.63 dBm 710828 GHz 10828 GHz 10828 GHz 10828 GHz 10828 GHz 10828 GHz 10828 GHz 10828 GHz

ACCREDITED



Spectrum Ref Level Att SGL Count 1	30 dB			BW 100 kHz BW 300 kHz	Mode Au	to FFT			
1Pk Max					M1[11			-1.83 dBm
			М1			-1		2.4797	540080 GHz
0 dBm			-		~~~~	~			
-10 dBm							~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
-20 dBm									
-30,eBm									
-40 dBm									
-50 dBm									
-60 dBm									+
-70 dBm									
, 5 ubili									
-80 dBm									
							•	Sna	an 1.5 MHz
CF 2.48 GHz Spectrum Ref Level	Т <u>тх.</u>	Spurious				Peer Hz Ant	1 Emiss		
Spectrum Ref Level Att SGL Count 1	Tx.	Offset 2.4	2 dB 👄 RI		1 2480MI				
Spectrum Ref Level Att	Tx.	Offset 2.4	2 dB 👄 RI	BLE 1M	1 2480MI	to Sweep			
Spectrum Ref Level Att SGL Count 1	Tx.	Offset 2.4	2 dB 👄 RI	BLE 1M	1 2480MI Mode Au 	to Sweep 1]		iion 2	-2.91 dBm 479720 GHz
Spectrum Ref Level Att SGL Count 1 JPk Max	Tx.	Offset 2.4	2 dB 👄 RI	BLE 1M	1 2480MI Mode Au	to Sweep 1]		ion 2.4	-2.91 dBm
Spectrum Ref Level o Att SGL Count 1 PIPK Max 0 dBm -10 dBm	Tx. 10.00 dBm 30 dB 0/10	Offset 2.4 SWT 265	2 dB 👄 RI	BLE 1M	1 2480MI Mode Au 	to Sweep 1]		ion 2.4	-2.91 dBm 479720 GHz -50.65 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 0 dBm	Tx. 10.00 dBm 30 dB 0/10	Offset 2.4 SWT 265	2 dB 👄 RI	BLE 1M	1 2480MI Mode Au 	to Sweep 1]		ion 2.4	-2.91 dBm 479720 GHz -50.65 dBm
Spectrum Ref Level Att SGL Count 1 PIPk Max 0 dBm M1 -10 dBm	Tx. 10.00 dBm 30 dB 0/10	Offset 2.4 SWT 265	2 dB 👄 RI	BLE 1M	1 2480MI Mode Au 	to Sweep 1]		ion 2.4	-2.91 dBm 479720 GHz -50.65 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 10.00 dBm 30 dB 0/10 1 -21.833 of 1	Offset 2.4: SWT 269	2 dB • R 5 ms • V	BUE 1M	Mode Au Mode Au	to Sweep 1] 1]	 	2 20	-2.91 dBm +79720 GHz -50.65 dBm 140141 GHz
Spectrum Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm	Tx. 10.00 dBm 30 dB 0/10	Offset 2.4: SWT 269	2 dB • R 5 ms • V	BLE 1M	Mode Au Mode Au M1[to Sweep 1] 1]	M2 M2	2 20	-2.91 dBm +79720 GHz -50.65 dBm 140141 GHz
Spectrum Ref Level Att SGL Count 1 IPk Max O dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm	Tx. 10.00 dBm 30 dB 0/10 1 -21.833 of 1	Offset 2.4: SWT 269	2 dB • R 5 ms • V	BUE 1M	Mode Au Mode Au M1[to Sweep 1] 1]	 	2 20	-2.91 dBm √79720 GHz -50.65 dBm 140141 GHz
Spectrum Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm	Tx. 10.00 dBm 30 dB 0/10 1 -21.833 d	Offset 2.4: SWT 269	2 dB • R 5 ms • V	BUE 1M	Mode Au Mode Au M1[to Sweep 1] 1]	M2 M2	2 20	-2.91 dBm √79720 GHz -50.65 dBm 140141 GHz
Spectrum Ref Level Att SGL Count 1 IPk Max O dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm	Tx. 10.00 dBm 30 dB 0/10 1 -21.833 d	Offset 2.4: SWT 269	2 dB • R 5 ms • V	BUE 1M	Mode Au Mode Au M1[to Sweep 1] 1]	M2 M2	2 20	-2.91 dBm √79720 GHz -50.65 dBm 140141 GHz
Spectrum Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm	Tx. 10.00 dBm 30 dB 0/10 1 -21.833 (Offset 2.4: SWT 269	2 dB • R 5 ms • V	BUE 1M	Mode Au Mode Au M1[M2[to Sweep 1] 1]	M2 M2	2.: 20.:	-2.91 dBm √79720 GHz -50.65 dBm 140141 GHz
Spectrum Ref Level Att SGL Count 1 IPK Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 d	Tx. 10.00 dBm 30 dB 0/10 1 -21.833 d M3 M3	Offset 2.4 SWT 265	2 dB • R 5 ms • V	BLE 1M	Mode Au Mode Au M1[M2[M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	to Sweep 1] 1]	M2	2 20	-2.91 dBm 479720 GHz -50.65 dBm 140141 GHz
Spectrum Ref Level SGL Count 1 IPK Max O dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -	Tx. 10.00 dBm 30 dB 0/10 1 -21.833 d M3 M3	Offset 2.4: SWT 269	2 dB • R 5 ms • V	BUE 1M	Mode Au Mode Au M1[M2[m2[m2] m2 m2[m2] m2] m2[] m2[to Sweep 1] 1]	M2	2.: 20.:	-2.91 dBm 479720 GHz -50.65 dBm 140141 GHz
Spectrum Ref Level SGL Count 1 IPk Max GdBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm -50 dBm -50 dBm -50 dBm -70 dBm -80 dBm -8	Tx. 10.00 dBm 30 dB 0/10 1 -21.833 (1 -21.833 (M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	Offset 2.4 SWT 265	2 dB R 5 ms V M5 M5 M5 GHz GHz GHz GHz	BLE 1M	Mode Au Mode Au M1[M2[M2[M2] M2[M2] M2[M2] M2[M2] M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	to Sweep 1] 1]	M2	2 20	-2.91 dBm 479720 GHz -50.65 dBm 140141 GHz
Spectrum Ref Level Att SGL Count 1 PPK Max O dBm 10 dBm 0 dBm	Tx. 10.00 dBm 30 dB 0/10 1 -21.833 d MS MS MS MS MS MS MS MS MS MS	Offset 2.4: SWT 263	2 dB R 5 ms V V M5 M5 M5 GHZ GHZ GHZ GHZ GHZ	BUE 1M	Mode Au Mode Au M1[M2[to Sweep 1] 1]	M2	2 20	-2.91 dBm 479720 GHz -50.65 dBm 140141 GHz
Spectrum Ref Level Att SGL Count 1 PIPk Max O dBm	Tx. 10.00 dBm 30 dB 0/10 1 -21.833 (1 -21.833 (MB 1 -21.833 (1 -21.833 (Offset 2.4 SWT 263 JBm JBm K-value 2.47972 20.140141 5.132534	2 dB R 5 ms V	BLE 1M	Mode Au Mode Au M1[M2[M2[M2[M2[M2[M2[M2[M2	to Sweep 1] 1]	M2	2 20	-2.91 dBm 479720 GHz -50.65 dBm 140141 GHz

ACCREDITED





8.2 **2M**:

8.2.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 2M	2402	Ant1	67.2	1.73	1.2
NVNT	BLE 2M	2440	Ant1	66.39	1.78	1.22
NVNT	BLE 2M	2480	Ant1	67.2	1.73	1.2

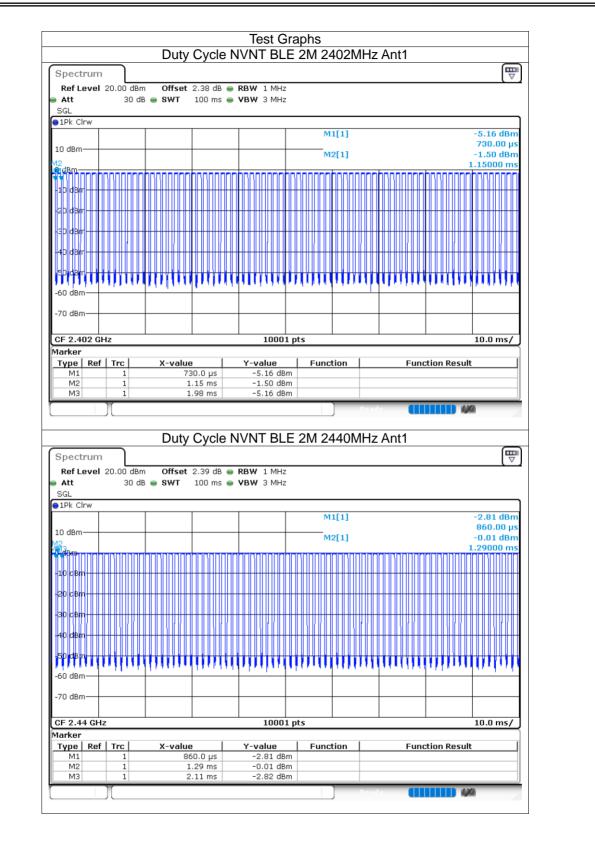


ILAC-MR

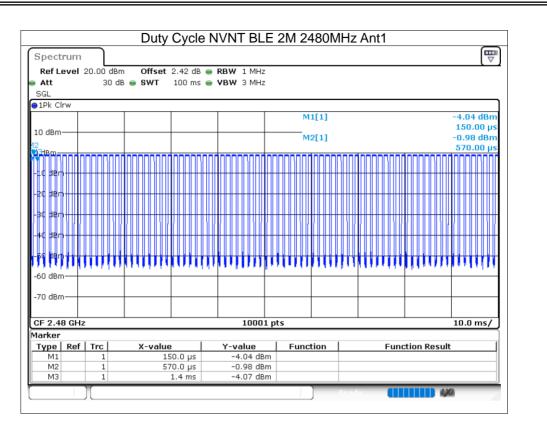
ACCREDITED

Certificate #4298.01

Report No.: S24071103506002







ACCREDITED

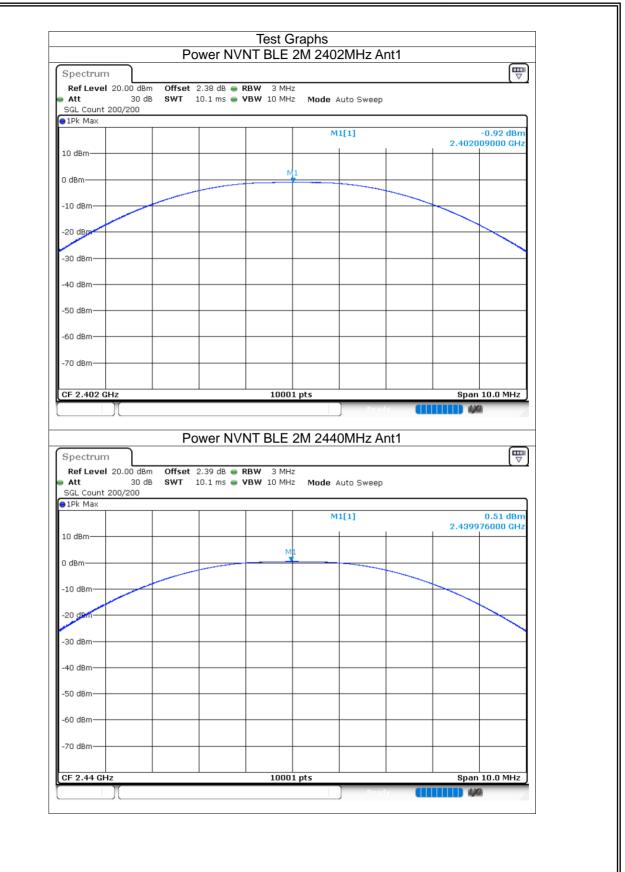




8.2.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	-0.92	30	Pass
NVNT	BLE 2M	2440	Ant1	0.51	30	Pass
NVNT	BLE 2M	2480	Ant1	-0.43	30	Pass





ACCREDITED



	PowerINVINI	BLE 2M 2480MHz Ant	
Spectrum			
Ref Level 20.00 dBm	Offset 2.42 dB 🖷 RBW	3 MHz	
Att 30 dB	SWT 10.1 ms 👄 VBW	10 MHz Mode Auto Sweep	
SGL Count 200/200 1Pk Max			
IPK Max		M1[1]	-0.43 dBm
		mili	2.480018000 GHz
LO dBm			
		M1	
D dBm		1011	
-10 dBm			
20 dBm			
-30 dBm			
40 dBm			
50 dBm			
60 dBm			
70 dB			
70 dBm			
CF 2.48 GHz	1	10001 pts	Span 10.0 MHz
		Ready	

ACCREDITED

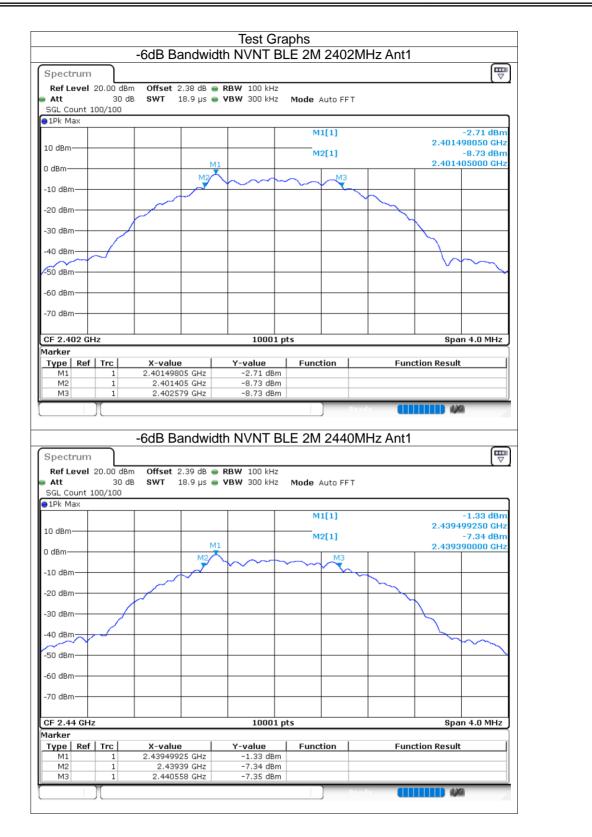




8.2.3-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 2M	2402	Ant1	1.174	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.168	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.1	0.5	Pass





ACCREDITED

Certificate #4298.01

Version.1.3



pectrum							₩
Ref Level		3m Offset 2.42 dB 🖷	RBW 100 kHz				L.
Att	30		VBW 300 kHz	Mode Auto FET			
GL Count :	100/100						
1Pk Max							
				M1[1]			-1.47 dBm
0 40						2.479	499650 GHz
.0 dBm				M2[1]			-7.40 dBm
dBm		M	1			2.479	424000 GHz
ubin		Ma		M3			
10 dBm			Y~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u>~</u>			
		1 ml					
20 dBm —					~ \		
30 dBm —		4				\searrow	
40 dBm 🚽							
50 dBm —							~
50 dBm							
70 dBm —							
F 2.48 GH	z		10001 pt	s		Sp.	an 4.0 MHz
arker							
'ype Ref	Trc	X-value	Y-value	Function	Fund	tion Resu	t
M1	1	2.47949965 GHz	-1.47 dBm				
M2	1	2.479424 GHz	-7.40 dBm				
M3	1	2.480524 GHz	-7.46 dBm				

ACCREDITED



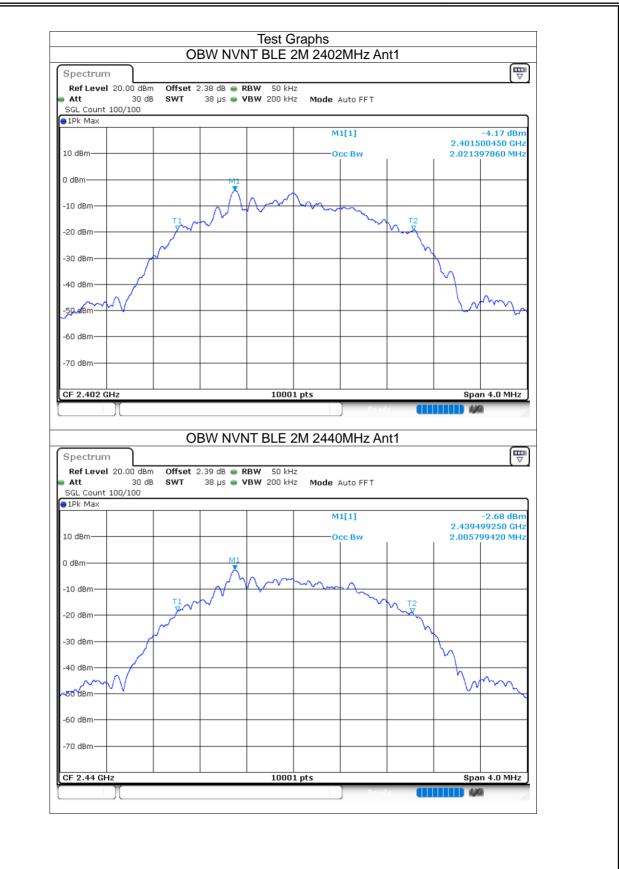
8.2.4Occupied Channel Bandwidth

ilac-MR

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Verdict
NVNT	BLE 2M	2402	Ant1	2.021	Pass
NVNT	BLE 2M	2440	Ant1	2.006	Pass
NVNT	BLE 2M	2480	Ant1	2.021	Pass

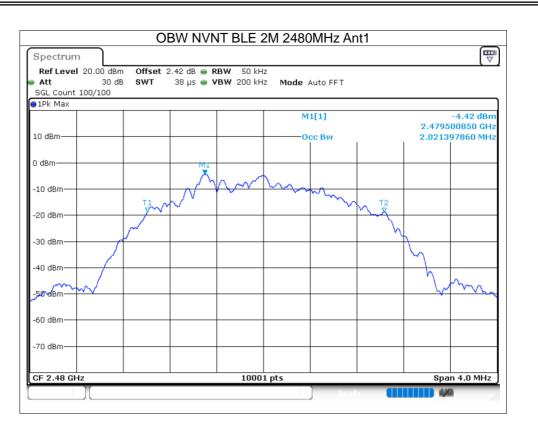
ACCREE





ACCREDITED





ACCREDITED





8.2.5 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	-21.2	8	Pass
NVNT	BLE 2M	2440	Ant1	-19.78	8	Verdict Pass Pass Pass
NVNT	BLE 2M	2480	Ant1	-20.78	8	Pass



	Р	SD NVN	IT BLE 2	Graphs 2M 2402	MHz An	nt1		
Spectrum								E
Ref Level 20.00		2.38 dB 👄						<u> </u>
Att 3 SGL Count 100/10		631.9 µs 👄	VBW 10 kH	z Mode /	Auto FFT			
●1Pk Max								
				м	1[1]			-21.20 dBm)25530 GHz
10 dBm						+		
0 dBm								
-10 dBm								
00 db				M1				
-20 dBm	MMMMun	Munder	mannerllel	Juneamouth	ernerender	Alexand a la		
-30 dBm	"W. MAAKI, MAANI BETTER A					an and a second s	manne lab	month for the first of the second
-40 dBm								
-50 dBm								
60 d0-								
-60 dBm								
-70 dBm								
CF 2.402 GHz			1000	1 pts		1	Span	1.761 MHz
Spectrum								Ē
Ref Level 20.00		2.39 dB 👄 R						
Att 3 SGL Count 100/10	80 dB SWT	2.39 dB 🖷 R 632 µs 🖶 V			uto FFT			
Att 3 SGL Count 100/10	80 dB SWT			Mode A				
Att 3 SGL Count 100/10 1Pk Max	80 dB SWT			Mode A	uto FFT 1[1]			-19.78 dBm 25580 GHz
Att 3 SGL Count 100/10 1Pk Max	80 dB SWT			Mode A				-19.78 dBm
Att 3 SGL Count 100/10 1Pk Max 10 dBm	80 dB SWT			Mode A				-19.78 dBm
Att 3 SGL Count 100/10 100/10 IPk Max 10 0 dBm 0	80 dB SWT			Mode A				-19.78 dBm
Att 3 SGL Count 100/10 100/10 1Pk Max 10 10 dBm 0	80 dB SWT			Mode A				-19.78 dBm
Att 3 SGL Count 100/10 IPk Max 10 dBm 0 dBm -10 dBm	00 dB SWT	632 µs ● V	'BW 10 kHz	Mode A	1[1]		2.4400	-19.78 dBm 125580 GHz
Att 3 SGL Count 100/10 IPk Max 10 dBm 0 dBm -10 dBm	00 dB SWT	632 µs ● V	'BW 10 kHz	Mode A	1[1]	- Magain may have	2.4400	-19.78 dBm 125580 GHz
Att 3 SGL Count 100/10 IPk Max 10 dBm 0 dBm -10 dBm	00 dB SWT	632 µs ● V	'BW 10 kHz	Mode A	1[1]	- Magazine Andre Labor	2.4400	-19.78 dBm 125580 GHz
Att 3 SGL Count 100/10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm	00 dB SWT	632 µs ● V	'BW 10 kHz	Mode A	1[1]	-Worken ray hades	2.4400	-19.78 dBm 125580 GHz
Att 3 SGL Count 100/10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm	00 dB SWT	632 µs ● V	'BW 10 kHz	Mode A	1[1]	- Mayer ray balan	2.4400	-19.78 dBm 125580 GHz
Att 3 SGL Count 100/10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm	00 dB SWT	632 µs ● V	'BW 10 kHz	Mode A	1[1]	- Magain and all	2.4400	-19.78 dBm 125580 GHz
Att 3 SGL Count 100/10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm	00 dB SWT	632 µs ● V	'BW 10 kHz	Mode A	1[1]	- Margalan Angla alas	2.4400	-19.78 dBm 125580 GHz
Att 3 SGL Count 100/10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30/dBhrother -40 dBm -50 dBm	00 dB SWT	632 µs ● V	'BW 10 kHz	Mode A	1[1]	Montenne	2.4400	-19.78 dBm 125580 GHz
Att 3 SGL Count 100/10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30/dBhrother -40 dBm -50 dBm	00 dB SWT	632 µs ● V	'BW 10 kHz	Mode A	1[1]		2.4400	-19.78 dBm 125580 GHz
Att 3 SGL Count 100/10 IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -60 dBm	00 dB SWT	632 µs ● V	/BW 10 kHz	Mode A	1[1]		2.4400	-19.78 dBm 125580 GHz
Att 3	00 dB SWT	632 µs ● V	/BW 10 kHz	Mode A	1[1]		2.4400	19.78 dBm 125580 GHz

ACCREDITED



PSD	NVNT BLE 2M 248	80MHz Ant1	_
Spectrum			
	dB 😑 RBW 3 kHz		
	2 µs 🖷 VBW 10 kHz 🛛 Mode	e Auto FFT	
SGL Count 100/100 PIPk Max)
		M1[1]	-20.78 dBm
			2.479966510 GHz
10 dBm			
0 dBm			
10 10-			
-10 dBm			
-20 dBm	M1		
	manuppopul limple	Herner all	
Bartom lun MMMMMM			where have marked and a set
Photogram.			
-40 dBm			
-50 dBm			
-60 dBm			
-70 dBm			
CF 2.48 GHz	10001 pts		Span 1.65 MHz
	· · · · ·		

ACCREDITED





8.2.6Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 2M	2402	Ant1	-57.87	-20	Pass
NVNT	BLE 2M	2480	Ant1	-50.99	-20	Pass

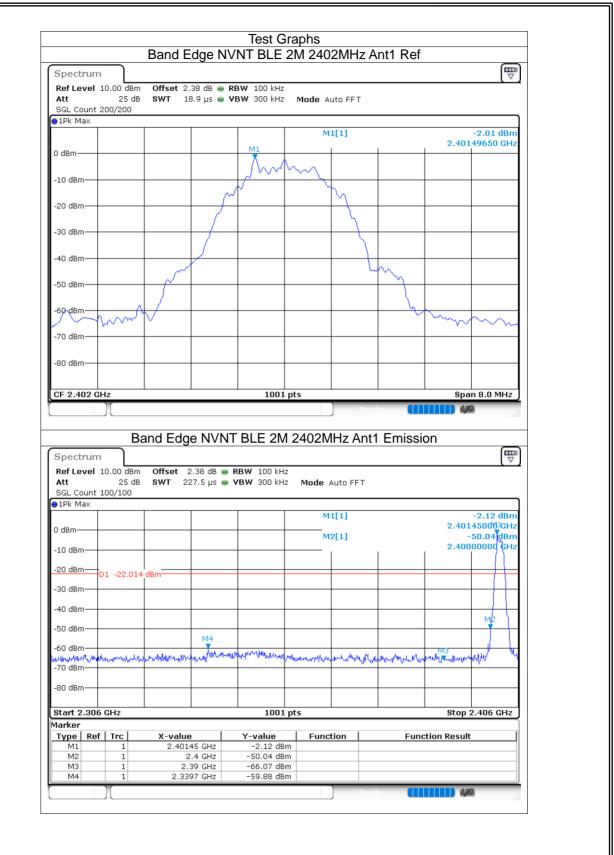


ilac-MR

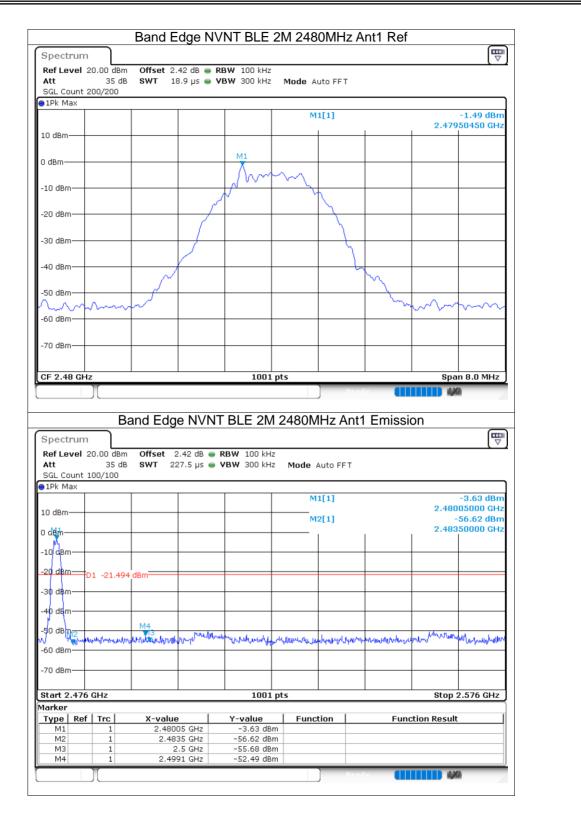
ACCREDITED

Certificate #4298.01

Report No.: S24071103506002







ACCREDITED

NTEK 北测[®]



8.2.7Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 2M	2402	Ant1	-48.63	-20	Pass
NVNT	BLE 2M	2440	Ant1	-50.62	-20	Pass
NVNT	BLE 2M	2480	Ant1	-48.83	-20	Pass

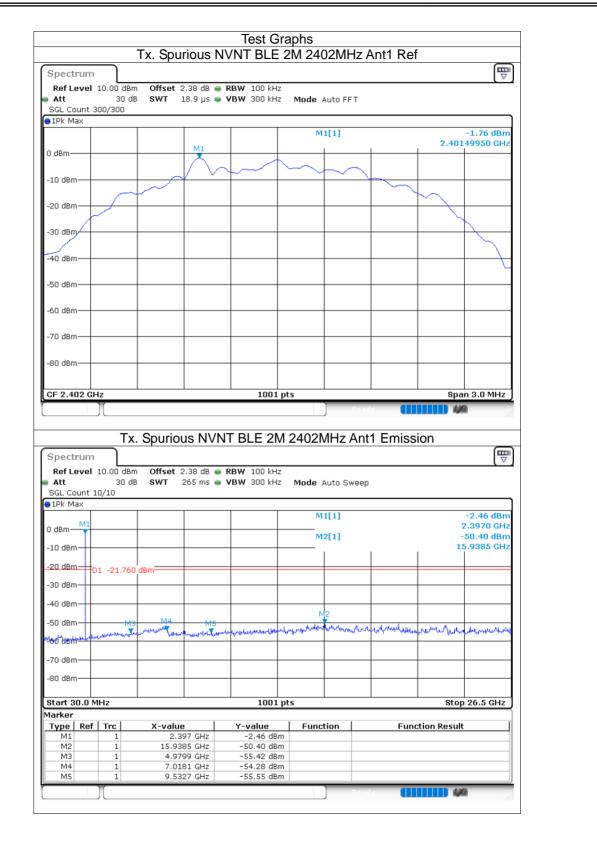


ilac-MR

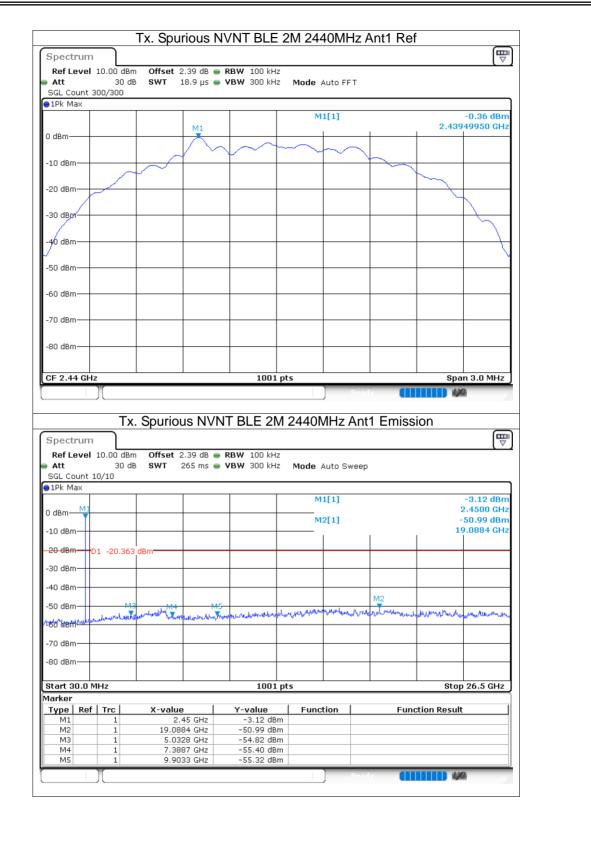
ACCREDITED

Certificate #4298.01

Report No.: S24071103506002







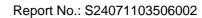
ACCREDITED



Att SGL Co	ount 3	10.00 dB 30 d 00/300			RBW 100 kHz VBW 300 kHz		Auto FFT			
1Pk M	ax									
						M	1[1]		2.479	-2.00 dBm)49650 GHz
) dBm–	-			M1				-	-	
				$/ \sim$	$1 \sim 1$	$\sim\sim$	\sim			
-10 dBn	n — —									
-20 dBn									\square	
	\mathbf{x}	Sec. 1								
-30 dBn	4									<u> </u>
<u></u>										
40 dBn	n									\sim
-50 dBn	n- -									
-60 dBn	n+		+ +		+ +					
-70 dBn										
-70 UBN										
-80 dBn	n									
CF 2.4	8 GHz	:			1001	pts			Spa	in 3.0 MHz
Spect			•	IS NVN	IT BLE 2M	1 2480N	/Hz An	at1 Emiss	sion	
Ref L Att	evel	10.00 dB 30 d	m Offset 2.	.42 dB 👄	NT BLE 2M				sion	
Ref L	evel ount 1	10.00 dB 30 d	m Offset 2.	.42 dB 👄	RBW 100 kHz	Mode /	Auto Swee		sion	
Ref L Att SGL Co 1Pk M	evel ount 1 ax	10.00 dB 30 d	m Offset 2.	.42 dB 👄	RBW 100 kHz	Mode /				-4.33 dBm
Ref L SGL Co 1Pk M	evel	10.00 dB 30 d	m Offset 2.	.42 dB 👄	RBW 100 kHz	Mode /	Auto Swee			-4.33 dBm 2.4760 GHz -50.83 dBm
Ref L SGL Co 1Pk M 0 dBm-	evel	10.00 dB 30 c 0/10	m Offset 2. dB SWT 2	.42 dB 👄	RBW 100 kHz	Mode /	Auto Swee			-4.33 dBm 2.4760 GHz
Ref L SGL Co 1Pk M 0 dBm-	evel	10.00 dB 30 c 0/10	m Offset 2. dB SWT 2	.42 dB 👄	RBW 100 kHz	Mode /	Auto Swee			-4.33 dBm 2.4760 GHz -50.83 dBm
Ref L SGL Co 1Pk M 0 dBm-	evel	10.00 dB 30 d	m Offset 2. dB SWT 2	.42 dB 👄	RBW 100 kHz	Mode /	Auto Swee			-4.33 dBm 2.4760 GHz -50.83 dBm
Ref L Att SGL Co 1Pk M 0 dBm- 10 dBm-	evel	10.00 dB 30 c 0/10	m Offset 2. dB SWT 2	.42 dB 👄	RBW 100 kHz	Mode /	Auto Swee			-4.33 dBm 2.4760 GHz -50.83 dBm
Ref L SGL Co 1Pk M 0 dBm- -10 dBm -20 dBm -30 dBm	evel	10.00 dB 30 c 0/10 1 -22.00	m Offset 2. B SWT 2 2 dBm	.42 dB 🖷	RBW 100 kHz VBW 300 kHz	Mode /	Auto Swee	p	1	-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz
Ref L SGL Co 1Pk M 0 dBm- -10 dBm -20 dBm -30 dBm	evel	10.00 dB 30 c 0/10 1 -22.00	m Offset 2. B SWT 2 2 dBm	.42 dB 🖷	RBW 100 kHz VBW 300 kHz	Mode /	Auto Swee	p	1	-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz
Ref L SGL Co SGL Co IPk M O dBm- 10 dBm- 10 dBm- 30 dBm 30 dBm 40 dBm 50 dBm		10.00 dB 30 c 0/10 1 -22.00	m Offset 2. dB SWT 2	.42 dB 🖷	RBW 100 kHz VBW 300 kHz	Mode /	Auto Swee	p	1	-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz
Ref L SGL Co 1Pk M 0 dBm- -10 dBm -20 dBm -30 dBm		10.00 dB 30 c 0/10 1 -22.00	m Offset 2. B SWT 2 2 dBm	.42 dB 🖷	RBW 100 kHz VBW 300 kHz	Mode /	Auto Swee	p	1	-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz
Ref L SGL Co SGL Co IPk M O dBm- 10 dBm- 10 dBm- 30 dBm 30 dBm 40 dBm 50 dBm		10.00 dB 30 c 0/10 1 -22.00	m Offset 2. B SWT 2 2 dBm	.42 dB 🖷	RBW 100 kHz VBW 300 kHz	Mode /	Auto Swee	p	1	-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz
Ref L Att SGL Cc SGL Cc IPk M IPk M IPk M IPk M IO dBm IO dBm IO dBm IO dBm I		10.00 dB 30 c 0/10 1 -22.00	m Offset 2. B SWT 2 2 dBm	.42 dB 🖷	RBW 100 kHz VBW 300 kHz	Mode /	Auto Swee	p	1	-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz
Ref L Att SGL Cc IPk M O dBm- -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm	evel ount 1 ax M D D D D D D D D D D D D D	10.00 dB 30 c 0/10 1 -22.00	m Offset 2. B SWT 2 2 dBm	.42 dB 🖷	RBW 100 kHz VBW 300 kHz	Mode /	Auto Swee	p	1	-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz
Ref L Att Att SGL Cc SGL Cc 1Pk M J DR 1Pk M J O dBm 10 dBm -10 dBm - -20 dBm - -30 dBm - -30 dBm - -50 dBm - -70 dBm - -70 dBm - -80 dBm - -70 dBm -	evel	10.00 dB 30 c 0/10 1 -22.00 M 	m Offset 2. dB SWT 2 2 dBm 2 dBm 3 M4 4 M4	.42 dB	RBW 100 kHz VBW 300 kHz	Mode / M M M M M M M M	2[1] 2[1] 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		1	-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz
Ref L Att SGL CC 11Pk M 0 dBm- -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm -80 dBm -70 dBm	evel	10.00 dB 30 c 0/10 1 -22.00	m Offset 2. dB SWT 2 2 dBm 2 dBm 3 M4 4 M4	.42 dB .42 dB	RBW 100 kHz VBW 300 kHz	Mode /	2[1] 2[1] 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		1 notion the store	-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz
Ref L Att SGL CC 11Pk M 0 dBm- -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm	evel	10.00 dB 30 c 0/10 1 -22.00 М ни ни ттс 1 1 1	m Offset 2. B SWT 2 2 dBm 2 dBm 3 M4 4 M4 4 979	.42 dB .45 ms .45 ms .45 ms .44 ms .	RBW 100 kHz VBW 300 kHz	Mode / 	2[1] 2[1] 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		1 notion the store	-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz
Ref L Att SGL CC SGL CC 1Pk M 0 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50 dBm -60 dBm -60 dBm -70 dBm -80 dBm -80 dBm -70 dBm -80 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -80 dBm -70 dBm <td>evel</td> <td>10.00 dB 30 c 0/10 1 -22.00 M Hz Hz 1 1</td> <td>m Offset 2. dB SWT 2 2 dBm 2 dBm 3 M4 4 979 7.388</td> <td>.42 dB .42 dB</td> <td>RBW 100 kHz VBW 300 kHz </td> <td>Mode / M </td> <td>2[1] 2[1] 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</td> <td></td> <td>1 notion the store</td> <td>-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz</td>	evel	10.00 dB 30 c 0/10 1 -22.00 M Hz Hz 1 1	m Offset 2. dB SWT 2 2 dBm 2 dBm 3 M4 4 979 7.388	.42 dB .42 dB	RBW 100 kHz VBW 300 kHz	Mode / M 	2[1] 2[1] 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		1 notion the store	-4.33 dBm 2.4760 GHz -50.83 dBm 5.9649 GHz

ACCREDITED





END OF REPORT

ACCREDITED