

RADIO TEST REPORT FCC ID: 2ABYN050

Product: Bi-color Silent LED Light Trade Mark: Godox Model No.: UL60Bi, ULC60Bi(Controller) Family Model: N/A Report No.: S21092700706001 Issue Date: Apr 22. 2022

Prepared for

GODOX PHOTO EQUIPMENT CO.LTD

1st to 4th Floor, Building 2/1st to 4th Floor, Building 4 ,Yaochuan Industrial Zone, Tangwei Community, Fuhai Street, Baoan District, Shenzhen, 518103 China

Prepared by

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1 TEST RESULT CERTIFICATION

GODOX PHOTO EQUIPMENT CO.LTD
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Bi-color Silent LED Light
JL60Bi, ULC60Bi(Controller)
V/A

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	Complied	
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.

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

Date of Test	:	Sep 27. 2021 ~ Apr 22. 2022	
		Krang. Hu	
Testing Engineer	:	(Many Hu)	
		(Mary Hu)	
Authorized Signatory	:	German	
		(Alex Li)	



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:

 "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

4 GENERAL DESCRIPTION OF EUT

NTEK 北测

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Product Feature and Specification					
Equipment	Bi-color Silent LED Light				
Trade Mark	Godox				
FCC ID	2ABYN050				
Model No.	UL60Bi, ULC60Bi(Controller)				
Family Model	N/A				
Model Difference	N/A				
Operating Frequency	2402MHz~2480MHz				
Modulation	GFSK				
Number of Channels	40 Channels				
Antenna Type	PCB Antenna				
Antenna Gain	0.54dBi				
Power supply	Input: AC100~240V,50/60Hz ,0.9A Battery Rating: DC 14.8V				
Adapter	N/A				
HW Version	20210323L02				
SW Version	V1.0				

Certificate #4298.01

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.



Certificate #4298.01 Revision History				
Report No.	Version	Description	Issued Date	
S21092700706001	Rev.01	Initial issue of report	Apr 22. 2022	



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 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 Cases	Mode 3: GFSK Tx Ch19_2440MHz_1Mbps/2Mbps	
Cases	Mode 4: GFSK Tx Ch39_2480MHz_1Mbps/2Mbps	

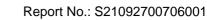
Note:

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



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





6.2 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

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-3	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

	ona Conducted I	estequipment	-				
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2021.04.27	2022.04.26	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2021.07.01	2022.06.30	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2021.07.01	2022.06.30	1 year
4	Test Receiver	R&S	ESPI7	101318	2021.04.27	2022.04.26	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2021.04.27	2022.04.26	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2021.04.27	2022.04.26	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2021.07.01	2022.06.30	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2021.07.01	2022.06.30	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2021.07.01	2022.06.30	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2021.07.01	2022.06.30	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2019.08.06	2022.08.05	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2019.08.06	2022.08.05	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2019.06.28	2022.06.27	3 year
15	High Test Cable(1G-40G Hz)	N/A	R-04	N/A	2019.08.06	2022.08.05	3 year
16	Filter	TRILTHIC	2400MHz	29	2021.07.01	2022.06.30	1 year
17	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	2021.04.27	2022.04.26	1 year
2	LISN	R&S	ENV216	101313	2021.04.27	2022.04.26	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2021.04.27	2022.04.26	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2020.05.11	2023.05.10	3 year

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 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a)

7.1.2 Conformance Limit

	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	

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

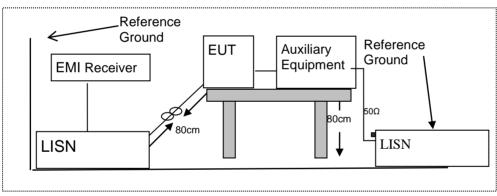
2. The lower limit shall apply at the transition frequencies

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.



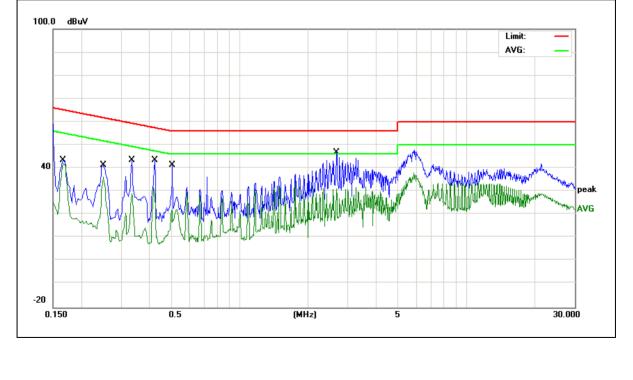
7.1.6 Test Results

EUT:	Bi-color Silent	Bi-color Silent LED Light		Model Name : UL		UL60Bi, ULC60Bi(Controller)	
Temperature:	22 ℃	22 ℃		Relative Humidity: 57%		7%	
Pressure:	1010hPa		Phase :		L		
Test Voltage :	DC 5V from Adapter		Test Mode:	Test Mode: Mode		1	
Frequency	Reading Level	Correct Factor	Measure-ment	Lim	its	Margin	Damark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBj	V۱)	(dB)	Remark
0.1660	33.88	9.63	43.51	65.	15	-21.64	QP
0.1660	32.32	9.63	41.95	55.	15	-13.20	AVG
0.2500	31.77	9.65	41.42	61.	75	-20.33	QP
0.2500	26.55	9.65	36.20	51.	75	-15.55	AVG
0.3339	33.81	9.67	43.48	59.	35	-15.87	QP
0.3339	19.28	9.67	28.95	49.	35	-20.40	AVG
0.4180	33.88	9.71	43.59	57.	49	-13.90	QP
0.4180	22.01	9.71	31.72	47.	49	-15.77	AVG
0.5060	31.67	9.74	41.41	56.	00	-14.59	QP
0.5060	12.51	9.74	22.25	46.	00	-23.75	AVG
2.6740	36.94	9.69	46.63	56.	00	-9.37	QP
2.6740	21.47	9.69	31.16	46.	00	-14.84	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.



Version.1.3

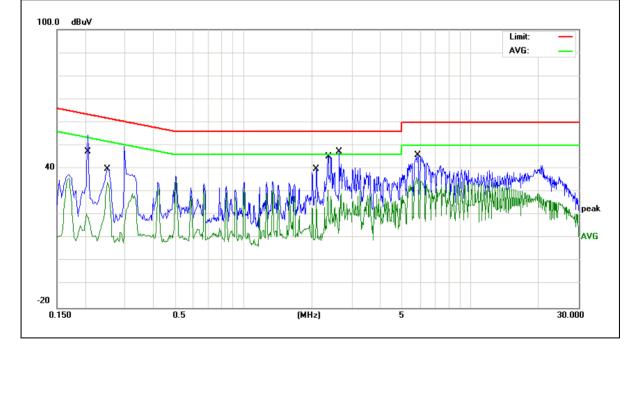


EUT:	Bi-color Silent	LED Light	Model Nam	е:	UL60B	i, ULC60Bi(C	ontroller)
Temperature:	22 ℃		Relative Hu	Relative Humidity: 57%			
Pressure:	1010hPa		Phase :	Phase : N			
Test Voltage :	DC 5V from Adapter		Test Mode:	Test Mode: Mode 7		1	
Frequency	Reading Level	Correct Factor	Measure-ment	Lim	nits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV)	(dB	μV)	(dB)	- Remarl
0.2020	45.00	9.63	54.63	63.	52	-8.89	QP
0.2020	11.11	9.63	20.74	53.	52	-32.78	AVG
0.2500	30.23	9.65	39.88	61.	75	-21.87	QP
0.2500	24.47	9.65	34.12	51.	75	-17.63	AVG
2.0900	30.18	9.66	39.84	56.	00	-16.16	QP
2.0900	17.02	9.66	26.68	46.	00	-19.32	AVG
2.3500	35.67	9.68	45.35	56.	00	-10.65	QP
2.3500	21.05	9.68	30.73	46.	00	-15.27	AVG
2.6380	37.61	9.69	47.30	56.	00	-8.70	QP
2.6380	19.76	9.69	29.45	46.	00	-16.55	AVG
5.7779	36.01	9.79	45.80	60.	00	-14.20	QP
5.7779	26.33	9.79	36.12	50.	00	-13.88	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	GHz		
16.42-16.423	399.9-410	4.5-5.15		
16.69475-16.69525	608-614	5.35-5.46		
16.80425-16.80475	960-1240	7.25-7.75		
25.5-25.67	1300-1427	8.025-8.5		
37.5-38.25	1435-1626.5	9.0-9.2		
73-74.6	1645.5-1646.5	9.3-9.5		
74.8-75.2	1660-1710	10.6-12.7		
123-138	2200-2300	14.47-14.5		
149.9-150.05	2310-2390	15.35-16.2		
156.52475-156.52525	2483.5-2500	17.7-21.4		
156.7-156.9	2690-2900	22.01-23.12		
162.0125-167.17	3260-3267	23.6-24.0		
167.72-173.2	3332-3339	31.2-31.8		
240-285	3345.8-3358	36.43-36.5		
322-335.4	3600-4400	(2)		
	MHz 16.42-16.423 16.69475-16.69525 16.80425-16.80475 25.5-25.67 37.5-38.25 73-74.6 74.8-75.2 123-138 149.9-150.05 156.52475-156.52525 156.7-156.9 162.0125-167.17 167.72-173.2 240-285	MHzMHz16.42-16.423399.9-41016.69475-16.69525608-61416.80425-16.80475960-124025.5-25.671300-142737.5-38.251435-1626.573-74.61645.5-1646.574.8-75.21660-1710123-1382200-2300149.9-150.052310-2390156.52475-156.525252483.5-2500156.7-156.92690-2900162.0125-167.173260-3267167.72-173.23332-3339240-2853345.8-3358		

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.



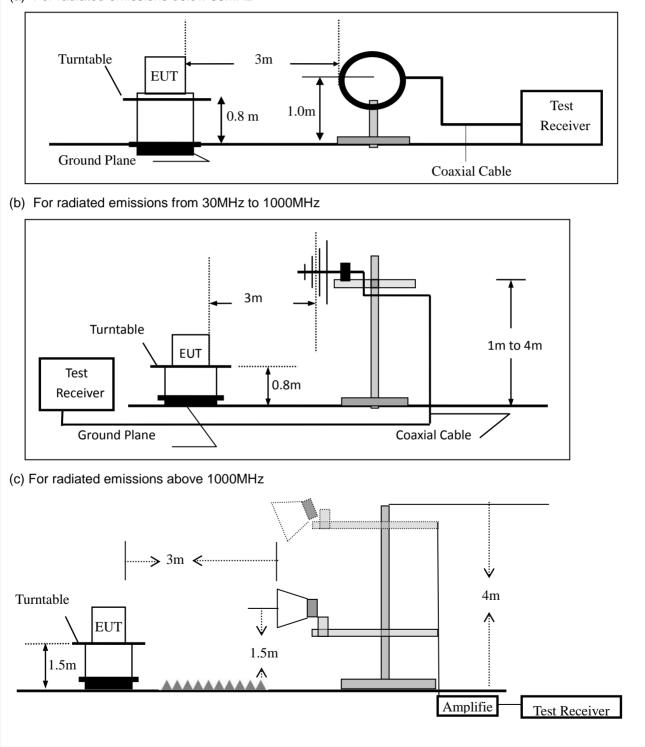
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The Measuring equipment is listed in the section 6.3 of this test report.

Certificate #4298.01

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.

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 t	est, the Spectrum An	alyzer was set with the follow	ving configurations:
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Ab aug 1000	Peak	1 MHz	1 MHz
Above 1000	Average	1 MHz	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:	Bi-color Silent LED Light		UL60Bi, ULC60Bi(Controller)				
Temperature:	20 ℃	Relative Humidity:	48%				
Test Mode:	Mode1/Mode2/Mode3/ Mode4	Test By:	Mary Hu				

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.

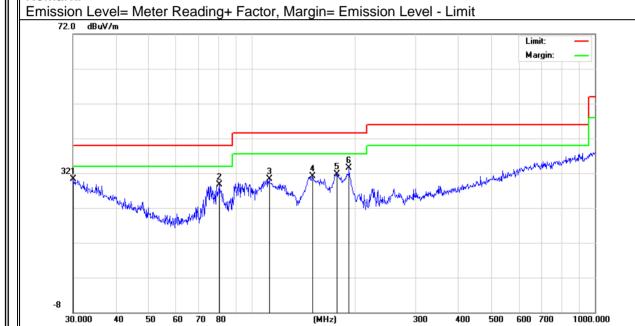


Spurious Emission below 1GHz (30MHz to 1GHz) All the modulation modes have been tested, and the worst result was report as below:

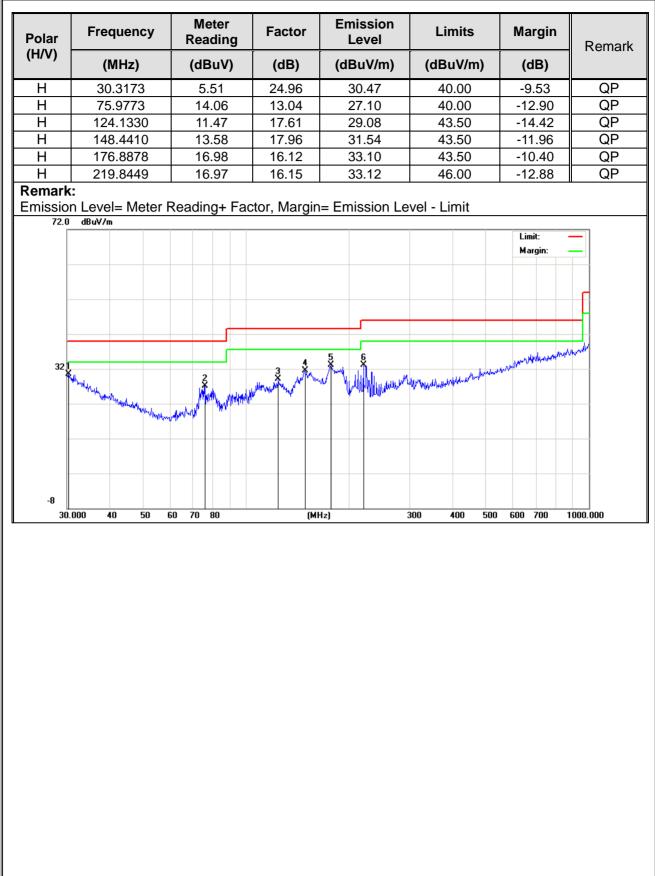
7 11 110 11100001010	All the modulation modes have been tested, and the worst result was report as below.							
EUT:	Bi-color Silent LED Light	Model Name :	UL60Bi, ULC60Bi(Controller)					
Temperature:	25 ℃	Relative Humidity:	55%					
Pressure:	1010hPa	Test Mode:	Mode 1					
Test Voltage :	DC 14.8V							

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	30.0000	5.05	25.31	30.36	40.00	-9.64	QP
V	80.3619	14.95	13.82	28.77	40.00	-11.23	QP
V	112.1305	13.21	17.04	30.25	43.50	-13.25	QP
V	150.0108	13.03	17.99	31.02	43.50	-12.48	QP
V	176.8876	15.68	16.12	31.80	43.50	-11.70	QP
V	191.7450	18.12	15.31	33.43	43.50	-10.07	QP

Remark:









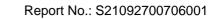
Spurious	s Emissi	on Above	1GHz (1G	Hz to 2	5GHz)		-			
EUT:	В	i-color Sile	ent LED Li	ght M	odel No.:		UL6	0Bi, ULC	60Bi(Contr	oller)
Temperature	e: 2	0 °C		R	elative Humid	ity:	ty: 48%			
Test Mode:	est Mode: Mode2/Mode3/Mode4 Te			est By:		Mary	/ Hu			
Frequency	Read Level	Cable loss	Antenna Factor	Pream Facto		Lim	its	Margin	Remark	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ\	//m)	(dB)		
			Low Cha	annel (24	l02 MHz)(GFSH	()Abo	ve 1G	i		
4802.89	60.38	5.21	35.59	44.30	56.88	74.	00	-17.12	Pk	Vertical
4802.89	43.15	5.21	35.59	44.30	39.65	54.	00	-14.35	AV	Vertical
7206.74	61.90	6.48	36.27	44.60	60.05	74.	00	-13.95	Pk	Vertical
7206.74	43.77	6.48	36.27	44.60	41.92	54.	00	-12.08	AV	Vertical
4804.85	62.80	5.21	35.55	44.30	59.26	74.	00	-14.74	Pk	Horizontal
4804.85	43.48	5.21	35.55	44.30	39.94	54.	00	-14.06	AV	Horizontal
7206.78	64.86	6.48	36.27	44.52	63.09	74.	00	-10.91	Pk	Horizontal
7206.78	43.18	6.48	36.27	44.52	41.41	54.	00	-12.59	AV	Horizontal
	Mid Channel (2440 MHz)(GFSK)Above 1G									
4880.250	62.96	5.21	35.66	44.20	59.63	74.	00	-14.37	Pk	Vertical
4880.250	43.76	5.21	35.66	44.20	40.43	54.	00	-13.57	AV	Vertical
7320.763	61.19	7.10	36.50	44.43	60.36	74.	00	-13.64	Pk	Vertical
7320.763	43.30	7.10	36.50	44.43	42.47	54.	00	-11.53	AV	Vertical
4880.077	62.44	5.21	35.66	44.20	59.11	74.	00	-14.89	Pk	Horizontal
4880.077	43.96	5.21	35.66	44.20	40.63	54.	00	-13.37	AV	Horizontal
7320.710	60.66	7.10	36.50	44.43	59.83	74.	00	-14.17	Pk	Horizontal
7320.710	43.21	7.10	36.50	44.43		54.		-11.62	AV	Horizontal
			High Cha	annel (24	80 MHz)(GFSH	() Abc	ove 10	3		
4960.458	62.32	5.21	35.52	44.21	58.84	74.	00	-15.16	Pk	Vertical
4960.458	43.19	5.21	35.52	44.21	39.71	54.	00	-14.29	AV	Vertical
7440.296	61.82	7.10	36.53	44.60	60.85	74.	00	-13.15	Pk	Vertical
7440.296	43.51	7.10	36.53	44.60	42.54	54.	00	-11.46	AV	Vertical
4960.751	63.20	5.21	35.52	44.21		74.	00	-14.28	Pk	Horizontal
4960.751	43.65	5.21	35.52	44.21	40.17	54.	00	-13.83	AV	Horizontal
7440.063	60.92	7.10	36.53	44.60	59.95	74.	00	-14.05	Pk	Horizontal
7440.063	43.62	7.10	36.53	44.60	42.65	54.	00	-11.35	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





EUT:	Bi-color	Silent L	lent LED Light			Model No.:		UL60Bi, ULC60Bi(Controller)			
Cemperature:	20 ℃			1	Relative Humidity:			48%			
est Mode:	Mode2/	Mode4		-	Test By:		Mary	′ Hu			
Frequency	Meter Reading	Cable Loss	Antenna Factor	Prea Fac		Emission Level	Lim	nits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dl	B)	(dBµV/m)	(dBµ	V/m)	(dB)	Туре	
					1Mbp	os(GFSK)					
2310.00	64.18	2.97	27.80	43.	.80	51.15	74	4	-22.85	Pk	Horizonta
2310.00	39.34	2.97	27.80	43.	.80	26.31	54	4	-27.69	AV	Horizonta
2310.00	60.67	2.97	27.80	43.	.80	47.64	74	4	-26.36	Pk	Vertical
2310.00	43.81	2.97	27.80	43.	.80	30.78	54	4	-23.22	AV	Vertical
2390.00	63.23	3.14	27.21	43.	.80	49.78	74	4	-24.22	Pk	Vertical
2390.00	43.53	3.14	27.21	43.	.80	30.08	54	4	-23.92	AV	Vertical
2390.00	64.96	3.14	27.21	43.	.80	51.51	74	4	-22.49	Pk	Horizontal
2390.00	43.51	3.14	27.21	43.	.80	30.06	54	4	-23.94	AV	Horizonta
2483.50	60.63	3.58	27.70	44.	.00	47.91	74	4	-26.09	Pk	Vertical
2483.50	43.19	3.58	27.70	44.	.00	30.47	54	4	-23.53	AV	Vertical
2483.50	64.52	3.58	27.70	44.	.00	51.80	74	4	-22.20	Pk	Horizontal
2483.50	43.13	3.58	27.70	44.	.00	30.41	54	4	-23.59	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



UT:	Bi-colo	r Silent	LED Light	Mod	el No.:		UL60Bi, ULC60Bi(Controller)			
emperature:	20 ℃			Rela	tive Humidit	y:	48%			
est Mode:	Mode2	/ Mode4	ŀ	Test	By:		Mary	Hu		
Frequency	Reading Level	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Lin	nits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	ıV/m)	(dB)	Туре	
3260	63.31	4.04	29.57	44.70	52.22	7	'4	-21.78	Pk	Vertical
3260	43.93	4.04	29.57	44.70	32.84	5	64	-21.16	AV	Vertical
3260	60.90	4.04	29.57	44.70	49.81	7	'4	-24.19	Pk	Horizontal
3260	43.58	4.04	29.57	44.70	32.49	5	64	-21.51	AV	Horizontal
3332	62.02	4.26	29.87	44.40	51.75	7	'4	-22.25	Pk	Vertical
3332	43.99	4.26	29.87	44.40	33.72	5	64	-20.28	AV	Vertical
3332	63.16	4.26	29.87	44.40	52.89	7	'4	-21.11	Pk	Horizontal
3332	43.54	4.26	29.87	44.40	33.27	5	54	-20.73	AV	Horizontal
17797	46.18	10.99	43.95	43.50	57.62	7	'4	-16.38	Pk	Vertical
17797	34.51	10.99	43.95	43.50	45.95	5	64	-8.05	AV	Vertical
17788	48.93	11.81	43.69	44.60	59.83	7	'4	-14.17	Pk	Horizontal
17788	34.79	11.81	43.69	44.60	45.69	5	4	-8.31	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



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) \ge 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:	Bi-color Silent LED Light	INIOGELINO .	UL60Bi, ULC60Bi(Controller)
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



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:	Bi-color Silent LED Light		UL60Bi, ULC60Bi(Controller)
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	N/A	Test By:	N/A

Note: Not Applicable



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:	Bi-color Silent LED Light		UL60Bi, ULC60Bi(Controller)
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



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:	Bi-color Silent LED Light		UL60Bi, ULC60Bi(Controller)
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



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:	Bi-color Silent LED Light	Model No.:	UL60Bi, ULC60Bi(Controller)
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode4	Test By:	Mary Hu



7.8 SPURIOUS RF CONDUCTED EMISSIONS

7.8.1 Conformance Limit

Below -20dB of the highest emission level in operating band.
 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 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 PCB antenna (Gain: 0.54 dBi). It comply with the standard requirement.



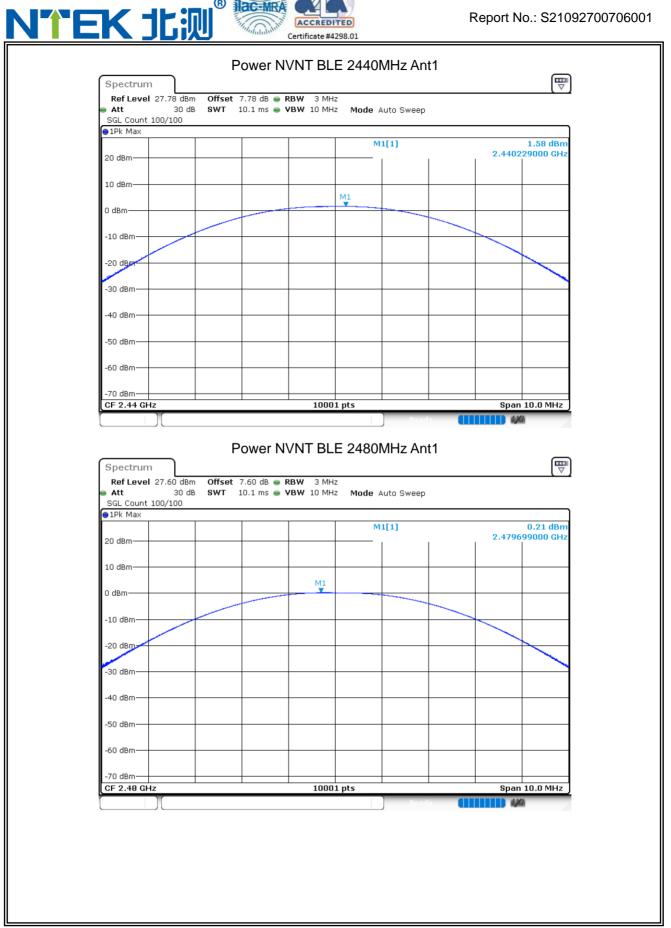
8 TEST RESULTS

1M:

8.1.1 MAXIMUM CONDUCTED OUTPUT POWER

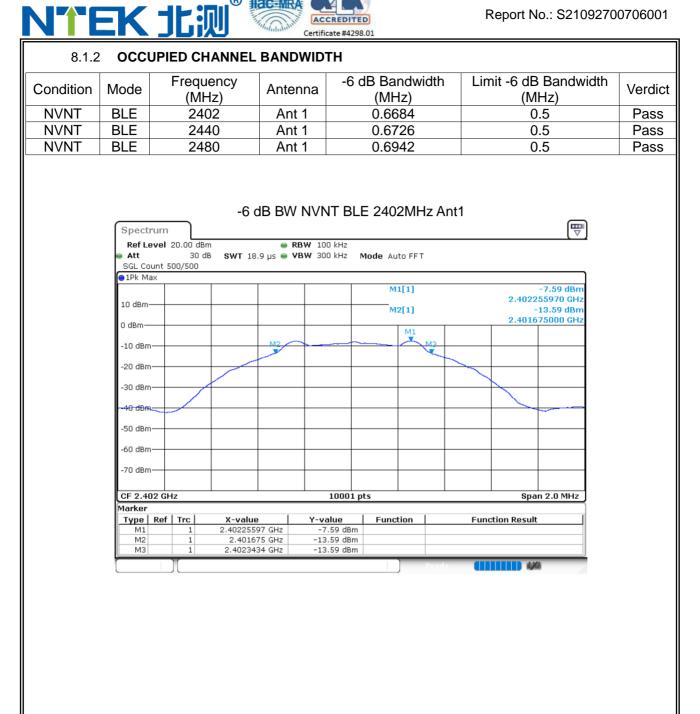
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)
Condition NVNT NVNT	BLE	2402	Ant 1	0.33	30
NVNT	BLE	2440	Ant 1	1.58	30
NVNT	BLE	2480	Ant 1	0.21	30

Power NVNT BLE 2402MHz Ant1 ₽ Spectrum Ref Level 27.62 dBm Offset 7.62 dB 👄 RBW 3 MHz 30 dB SWT 10.1 ms - VBW 10 MHz Mode Auto Sweep Att SGL Count 100/100 ⊖1Pk Max M1[1] 0.33 dBm 2.401804000 GHz 20 dBm· 10 dBm M1 0 dBm -10 dBm--20 dBm -30 dBm· -40 dBm· -50 dBm· -60 dBm -70 dBm-Span 10.0 MHz CF 2.402 GHz 10001 pts 10



® ilac-M

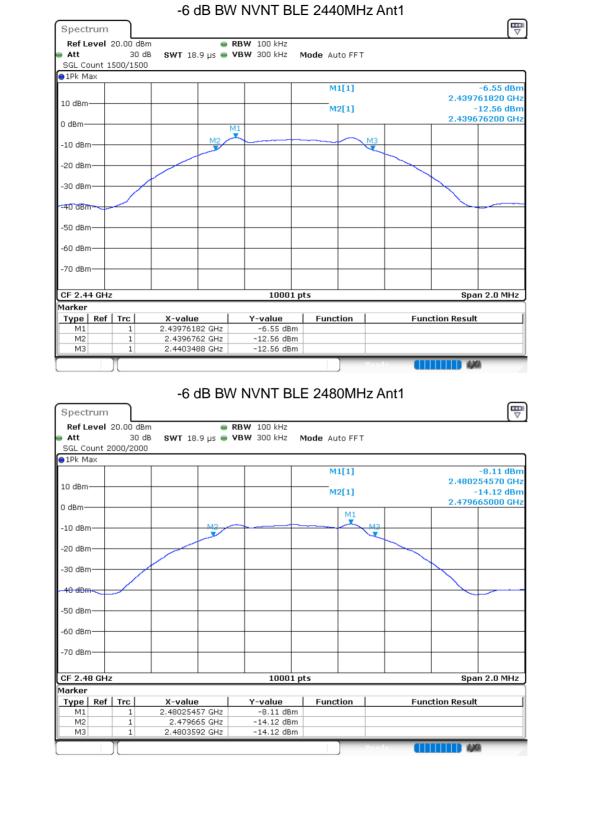
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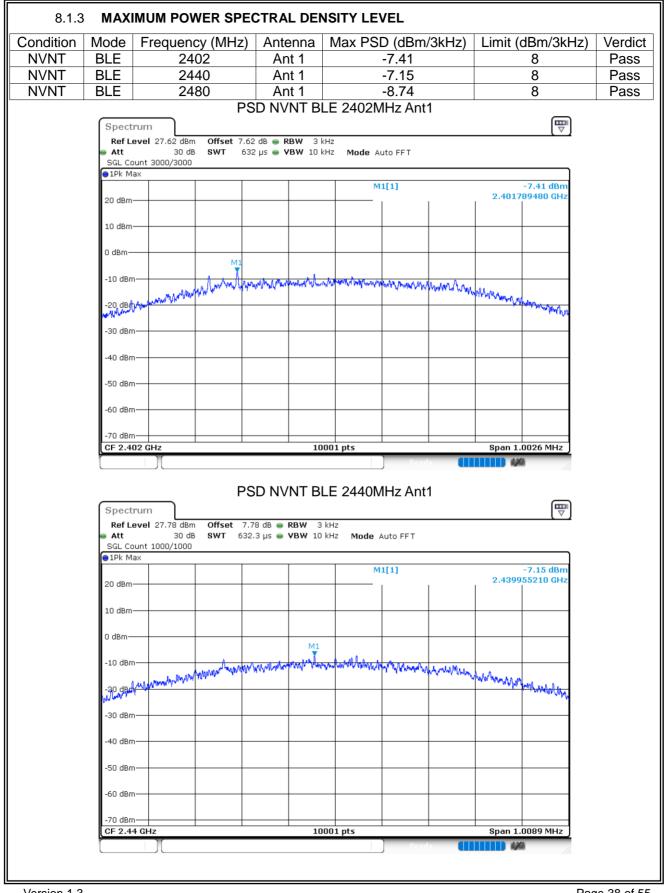


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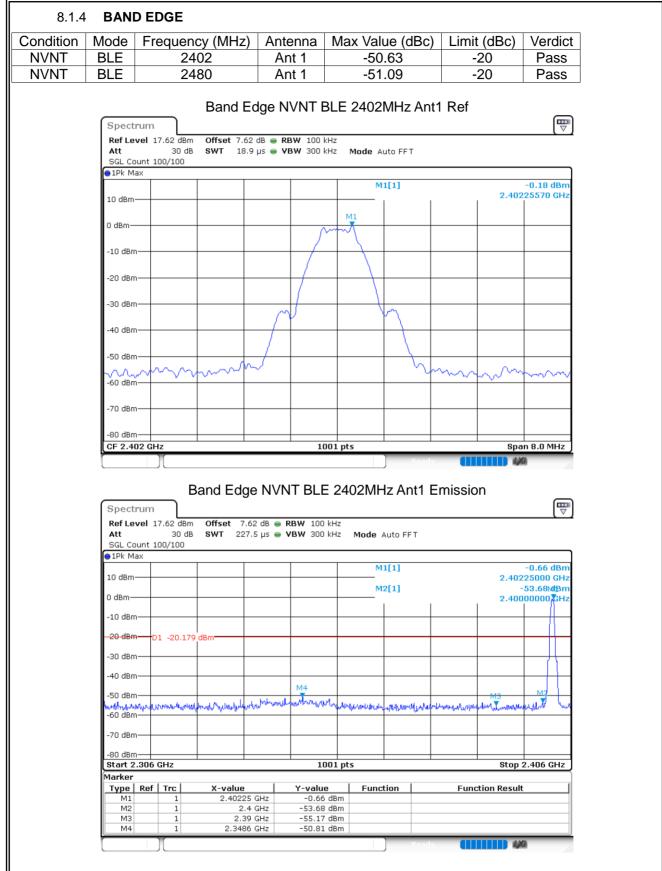
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ACCREDITED Certificate #4298.01

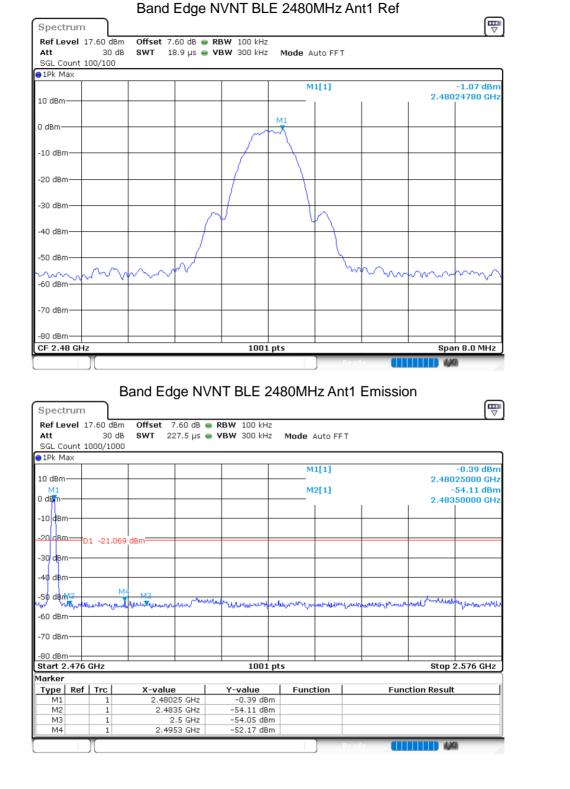


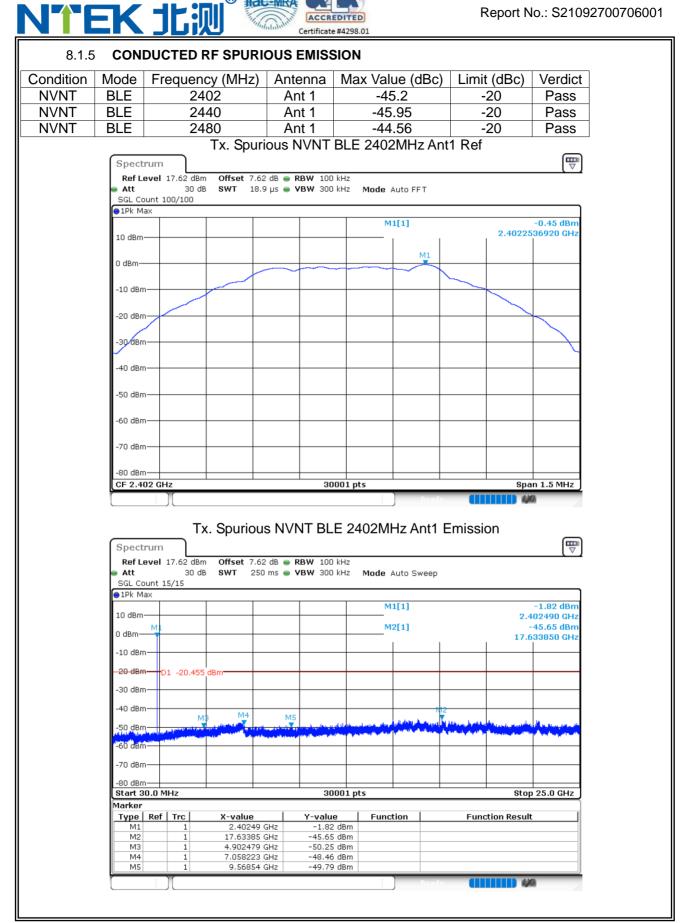
		PSD NVN	T BLE	2480N	IHz Ant	1		
Spectrum								
Ref Level 27.60 Att SGL Count 1000/3	30 dB SWT	7.60 dB 👄 RB 631.9 µs 👄 VB			uto FFT			
1Pk Max								
20 dBm				M:	1[1]	I	2.480	-8.74 dBm 009155 GHz
10 dBm								
0 dBm				M1				
-10 dBm	man	mymumul	mbun	-	whitemp	www.	Ann A	
-10 dBm -20 dBm	March							WWWWW
-30 dBm								
-40 dBm								
-50 dBm								
-60 dBm								
-70 dBm								
CF 2.48 GHz			1001	pts			Span 1	.0413 MHz
					Rea	Y		u //











lac-M

ACCREDITED

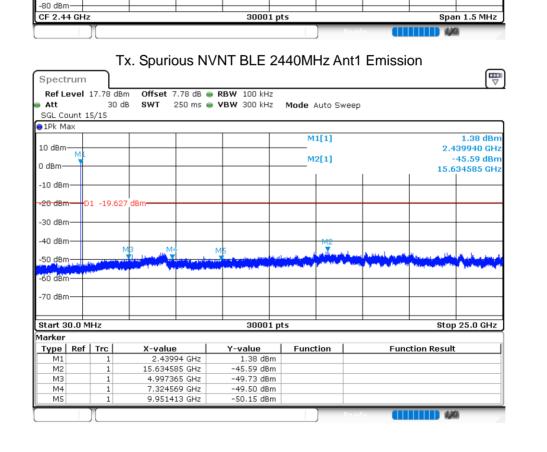
ඐ

0.37 dBn



-50 dBm

-60 dBm -70 dBm



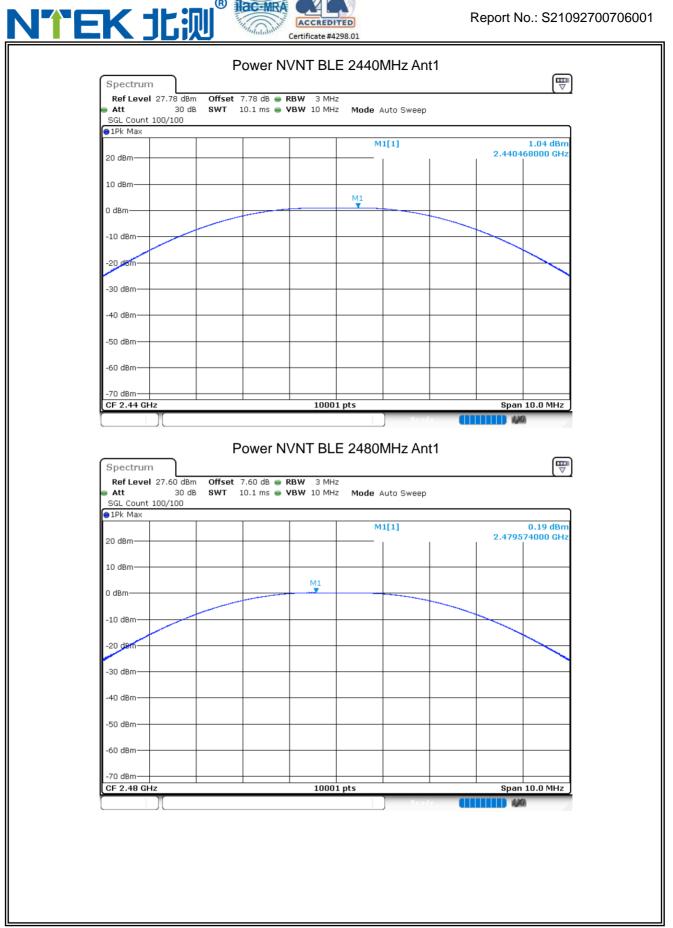




2M:

8.1.6 MAXIMUM CONDUCTED OUTPUT POWER

NVNT BLE 2402 Ant 1 0.28 Image: Second system Image: Second	(dBm) 30 30 30 30 ₩ ₩
NVNT BLE 2402 Ant 1 0.28 Image: Second system NVNT BLE 2440 Ant 1 1.04 Image: Second system Image: Second system <t< td=""><td>30 30 30 30 .28 dBm</td></t<>	30 30 30 30 .28 dBm
NVNT BLE 2480 Ant 1 0.19 Power NVNT BLE 2402MHz Ant1 Spectrum Ref Level 27.62 dB 0 ffset 7.62 dB RBW 3 MHz Att 30 dB SWT 10.1 ms VBW 10 MHz Mode Auto Sweep SGL Count 100/100 ©1Pk Max	30 ♥ 0.28 dBm
Power NVNT BLE 2402MHz Ant1 Spectrum Ref Level 27.62 dBm Offset 7.62 dB SWT 10.1 ms VBW 10 MHz Mode Auto Sweep SGL Count 100/100 FIPK Max 20 dBm 10 dB	(₩ ▽) 0.28 dBm
Spectrum Ref Level 27.62 dBm Offset 7.62 dB RBW 3 MHz Att 30 dB SWT 10.1 ms VBW 10 MHz Mode Auto Sweep SGL Count 100/100 Interview M1[1] 2.40239 Interview M1 M1 M1	0.28 dBm
20 dBm 2.40239	0000 012-
	9000 GHZ
-10 dBm -20 dBm -30 dBm	
-40 dBm	
-50 dBm-	
-60 dBm	
-70 dBm	



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(MHz)

0.5

0.5

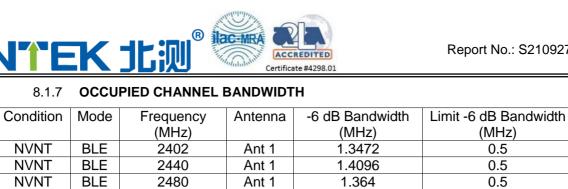
0.5

Verdict

Pass

Pass

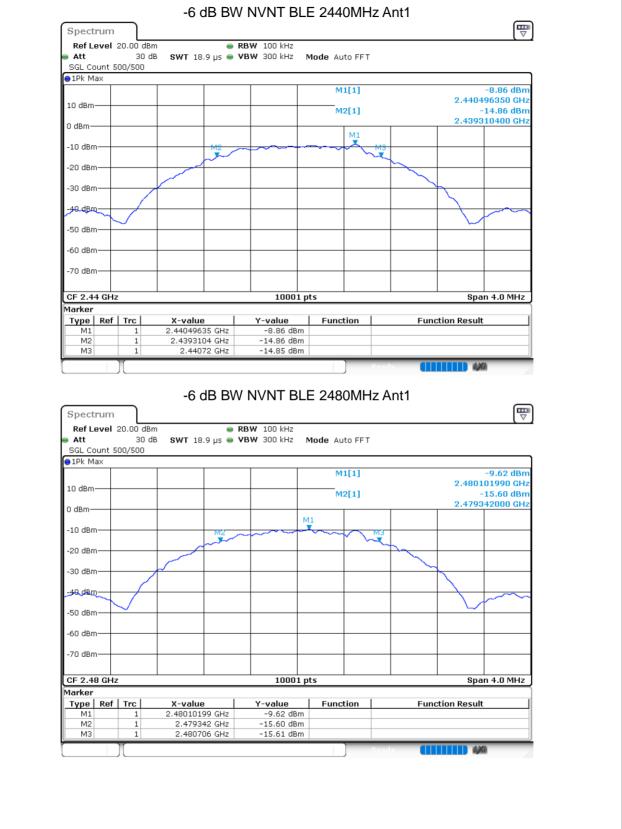
Pass

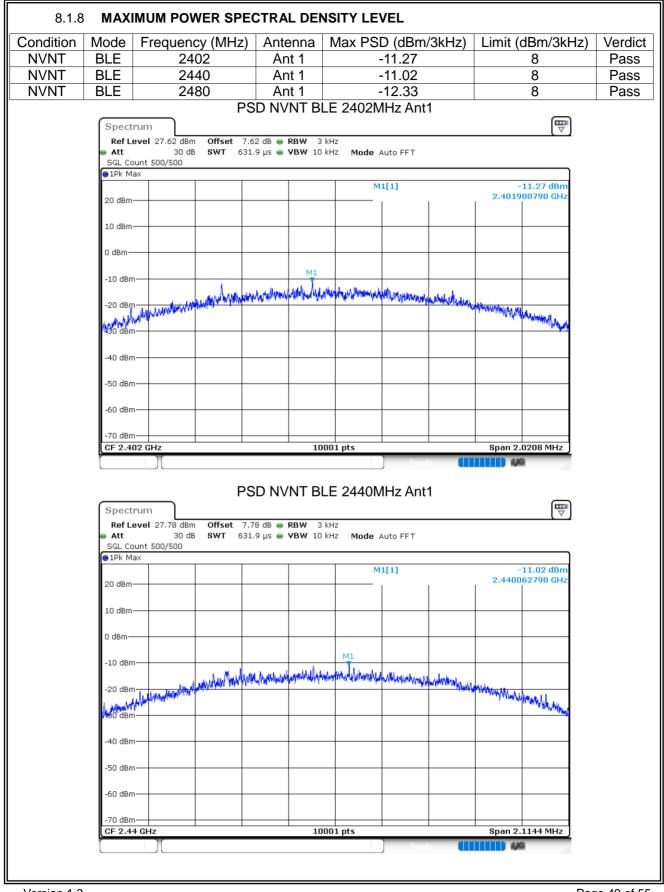


-6 dB BW NVNT BLE 2402MHz Ant1

Ref Level	20.00 dB	n 🖷	RBW 100 kHz				[
Att	30 d			Mode Auto FFT			
SGL Count !	500/500						
1Pk Max							
				M1[1]			-9.45 dB
10 dBm						2.4018	96010 G
				M2[1]			15.44 dE
) dBm						2.4013	15600 G
5 abili			M1				
-10 dBm		11/12	- And And				
		J-1					
-20 dBm							
-30 dBm —					`		
40 dBm							-
>	\checkmark						-
-50 dBm							
-60 dBm							
-70 dBm							
CF 2.402 GI	Hz		10001	pts		Spa	n 4.0 MH
1arker				•		· · ·	
Type Ref	Trc	X-value	Y-value	Function	Fund	tion Result	
M1	1	2.40189601 GHz	-9.45 dBm	1			
M2	1	2.4013156 GHz	-15.44 dBm	1			
MЗ	1	2.4026628 GHz	-15.43 dBm	1			







EK 1L

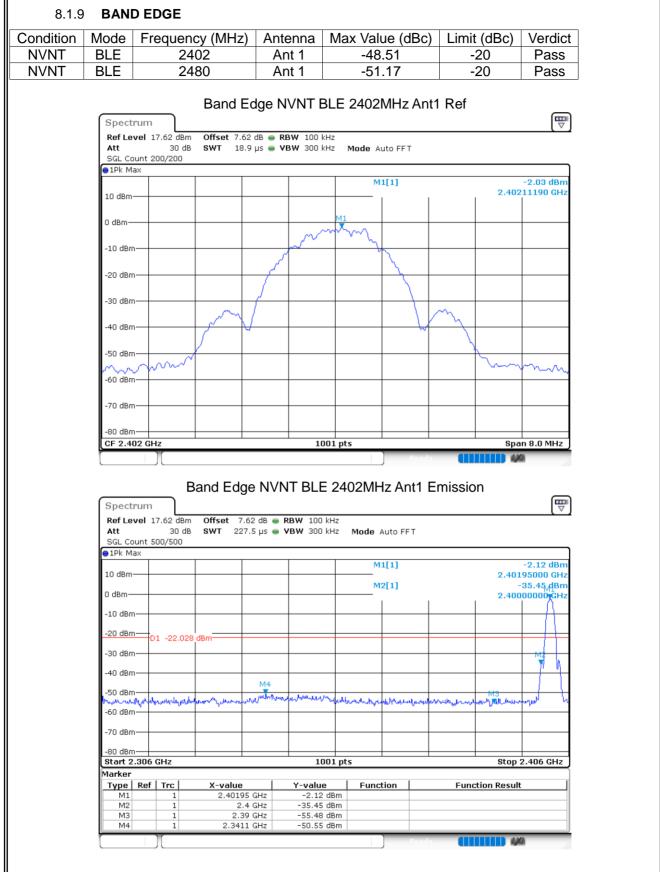
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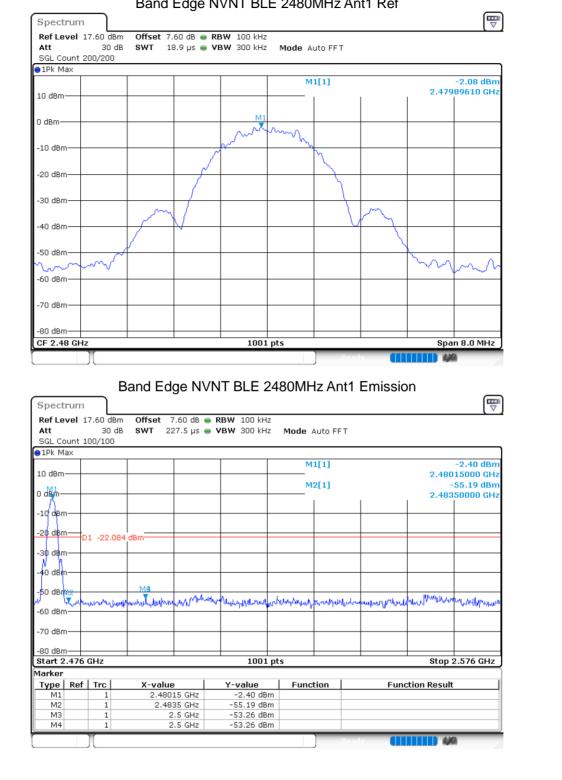


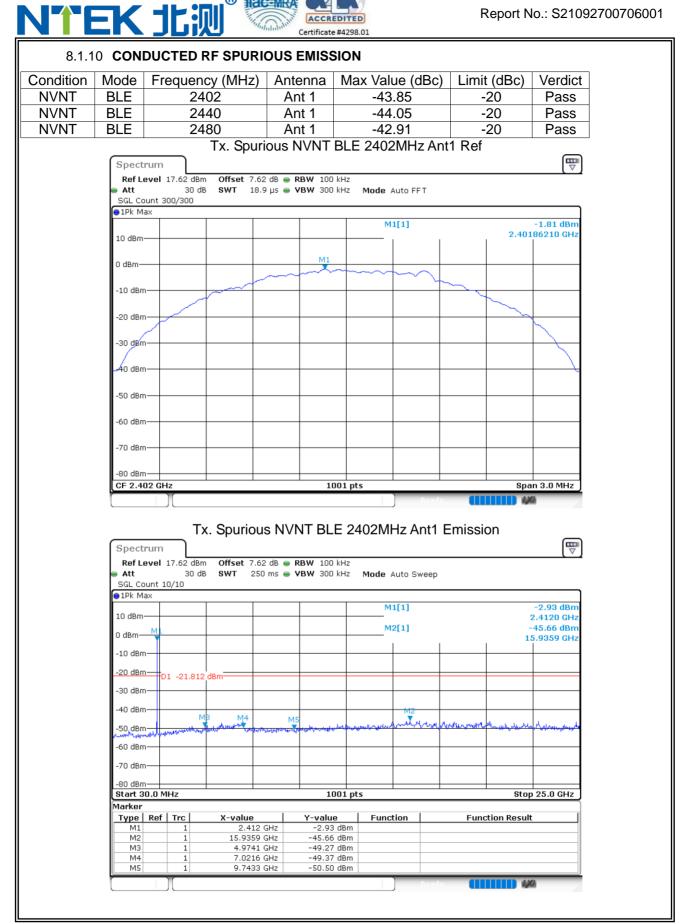
	PSD N	VNT BLE 2	2480MHz Ar	nt1		
Spectrum						Ē
Ref Level 27.60	dBm Offset 7.60 dB 🖷	RBW 3 kHz				
		• VBW 10 kHz	Mode Auto FFT			
SGL Count 500/50	0					
●1Pk Max						
			M1[1]			12.33 dBm
20 dBm				1 1	2.4800	84700 GHz
10 dBm						
0 dBm						
-10 dBm			M1			
	uddallaan Komponen kanta kanta	. Where the market of	All Maria Maria Maria			
-20 dBm	The second secon	A Sector Sector Sector Sector	and a second second second	and the state of the second	Hadakh wa	
a day have by the property	Ma-1				AND A DAY OF A DAY	WWWWWWWW
-90 dBm						- WWW
-40 dBm						
-50 dBm						
oo abiii						
-60 dBm						
oo abiii						
-70 dBm						
CF 2.48 GHz		10001 g	ots		Span 2	2.046 MHz
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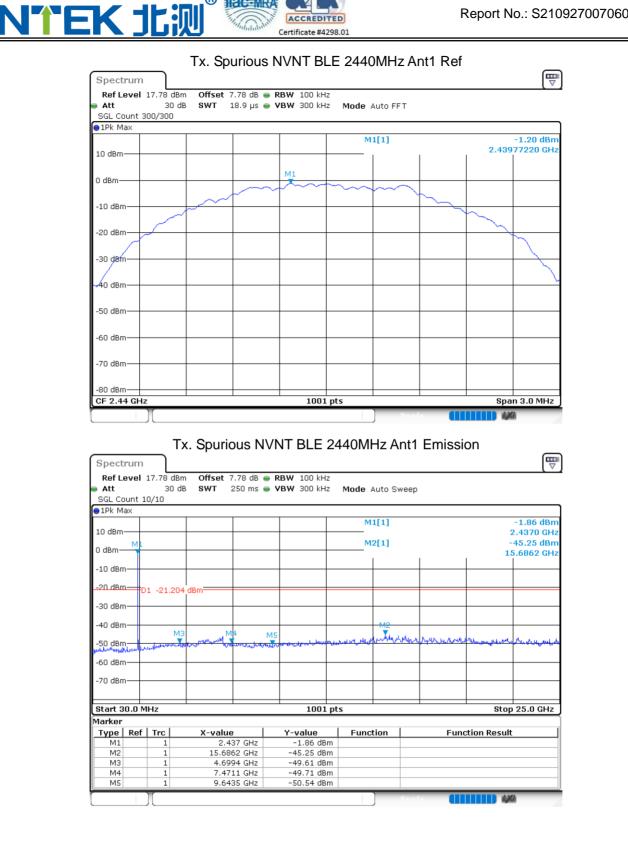




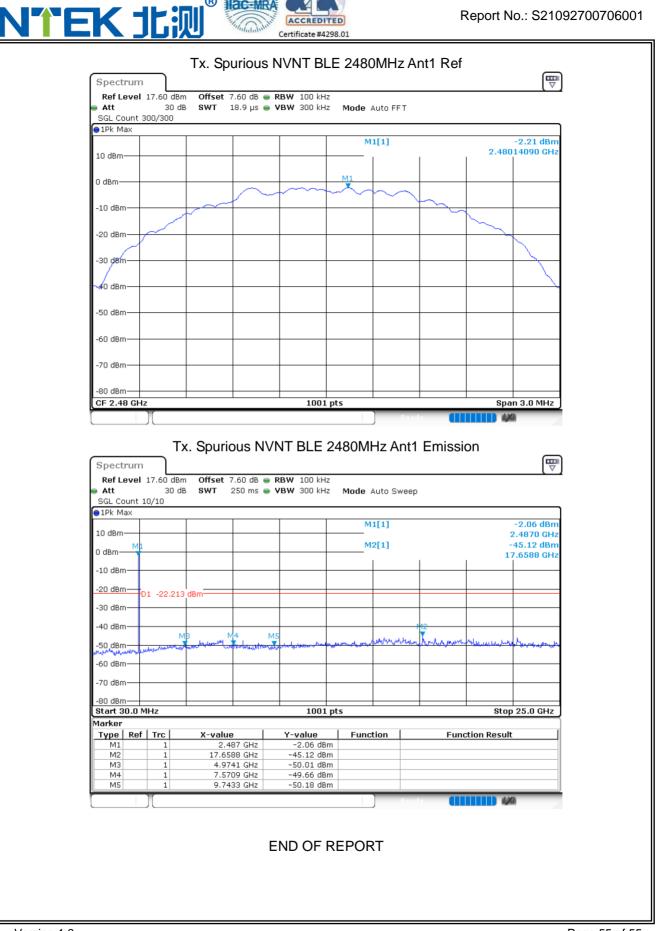


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