

RADIO TEST REPORT FCC ID: 2AL6KBL-M8733BS2

Product: 802.11a/b/g/n 150Mbps WLAN + BT v5.2 Combo SDIO Module

Trade Mark: N/A

Model No.: BL-M8733BS2

Family Model: N/A Report No.: S24070807404002 Issue Date: Sept. 12, 2024

Prepared for

ShenZhen BiLian Electronic Co.,Ltd.

Room 501, Building 3, No. 32, Dafu Road, Zhangge Community, FuchengStreet, Longhua District, Shenzhen, China

Prepared by

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TEST RESULT

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1 TEST RESULT CERTIFICATION

Applicant's name	ShenZhen BiLian Electronic Co.,Ltd.
Address	Room 501,Building 3,No.32,Dafu Road,Zhangge Community,FuchengStreet,Longhua District,Shenzhen,China
Manufacturer's Name	ShenZhen BiLian Electronic Co.,Ltd.
Address	Room 501,Building 3,No.32,Dafu Road,Zhangge Community,FuchengStreet,Longhua District,Shenzhen,China
Product description	
Product name	802.11a/b/g/n 150Mbps WLAN + BT v5.2 Combo SDIO Module
Trade Mark	N/A
Model and/or type reference	BL-M8733BS2
Family Model	N/A
Test Sample number	S240708074004
Date (s) of performance of tests	Jul. 17, 2024 ~ Sept. 12, 2024
Measurement Procedure Used:	

APPLICABLE STANDARDS

APPLICABLE STANDARD/ TEST PROCEDURE

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart C

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.

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

Prepared By: Mary Hu By: Mary Hu By: Aaron Cheng (Supervisor) Approved Alex Li (Manager) (Supervisor) (Project Engineer) (Manager)

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SUMMARY OF TEST RESULTS 2

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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)	PASS			
15.247 (d) Spurious RF Conducted Emission PASS				
15.203	Antenna Requirement	PASS		

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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,PSD	±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	±4.7%

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4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification			
Equipment 802.11a/b/g/n 150Mbps WLAN + BT v5.2 Combo SDIO Module			
Trade Mark N/A			
FCC ID	2AL6KBL-M8733BS2		
Model No.	BL-M8733BS2		
Family Model	N/A		
Model Difference	N/A		
Operating Frequency	2402~2480 MHz		
Modulation	GFSK		
Number of Channels	40 Channels		
Antenna Type	ANT1: FPC Antenna ANT2: FPC Antenna		
Antenna Gain	ANT1: 1.7dBi ANT2: 2.3dBi		
Adapter	N/A		
Battery	N/A		
Power supply	DC 3.3V		
HW Version	V1.0		
SW Version	V1.0		

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.

Note 3: Antenna information

Antenna Type	Antenna model	Antenna Supplier
Ant1: FPC	450L	Shen Zhen Cicent Communication Technology Co.,Ltd
Ant2: FPC	Irobot	Shen Zhen Cicent Communication Technology Co.,Ltd



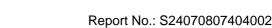


Revision History

		-	
Report No.	Version	Description	Issued Date
S24070807404002	Rev.01	Initial issue of report	Sept. 12, 2024
			_
	I		



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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.

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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)
00	2402
01	2404
19	2440
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 Cases	Mode 2: GFSK Tx Ch00_2402MHz_1Mbps/2Mbps				
	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				
08363	Mode 4: GFSK Tx Ch39_2480MHz_1Mbps/2Mbps				

Note:

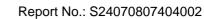
- 1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode(duty cycle =100% during the test)
- 2. AC power line Conducted Emission was tested under maximum output power.
- 3. For radiated test cases, the worst mode data rate 1Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

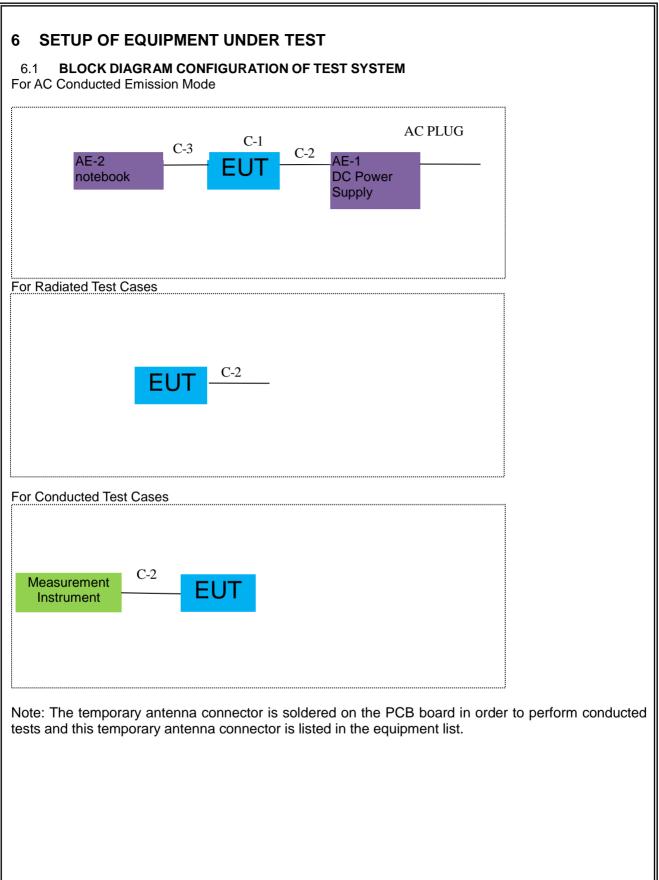
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6.2 SUPPORT EQUIPMENT

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	AE-1 DC Power Supply N/A		N/A	Peripherals
AE-2	Notebook	Vostro 3420	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	USB Cable	NO	NO	1.0m
C-2	Power Cable	NO	NO	0.8m
C-3	RF Cable	YES	NO	0.1m
C-4				

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".

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6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

		cst cquipment			1		
	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Agilent	E4440A	MY41000130	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	2024.04.26	2025.04.25	1 year
4	Test Receiver	R&S	ESPI7	101318	2024.03.12	2025.03.11	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2024.03.11	2025.03.10	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2023.05.06	2026.05.05	3 year
7	Horn Antenna	SCHWARZBE CK	BBHA 9120 D	2816	2023.01.12	2026.01.11	3 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2022.11.07	2025.11.06	3 year
9	Amplifier	EMC	EMC051835 SE	980246	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	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2022.06.17	2025.06.16	3 year
12	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
13	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2022.06.17	2025.06.16	3 year
14	Filter	TRILTHIC	2400MHz	29	2023.03.26	2026.03.25	3 year
15	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A
16	RF Control Unit	MWRFtest	MW100-RFC B	MW230608N TEK-43	N/A	N/A	N/A
17	Power sensor	MWRFtest	MW100-PD	MW2021043	2023.12.19	2024.12.18	1 year

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	onduction Test	equipment					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2024.04.26	2025.04.25	1 year
2	LISN	R&S	ENV216	101313	2024.04.25	2025.04.24	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2024.04.25	2025.04.24	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2024.04.26	2027.04.25	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

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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.

Measurement Software

Item	Manufacturer	Software Name	Software Version	Description
1	MWRFtest	MTS 8310 2.4GHz/5GHz	2.0	RF Conducted Test
2	Farad	EZ-EMC_RE	AIT-03A	RadiatedTest
3	raditeq	RadiMation	2023.1.3	RadiatedTest
4	Farad	EZ-EMC_CE	AIT-03A	AC Conducted Test

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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(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

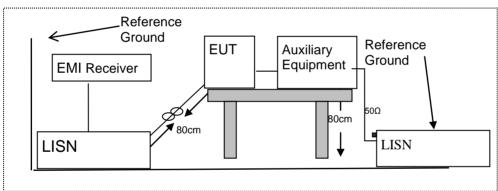
2. The lower limit shall apply at the transition frequencies

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:		n 150Mbps WL SDIO Module		odel ame :	BL-M	8733BS2	
Temperature:	22 ℃		Re	elative umidity:	57%	57%	
Pressure:	1010hPa		Ph	hase :	L		
Fest Voltage :	DC 3.3V from 120V/60Hz	m DC power su	Ipply AC Te	est Mode:	Mode	1-ANT1	
Frequency	Reading Level	Correct Factor	Measure-mer	nt Limi	s	Margin	Demente
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµ'	V)	(dB)	- Remark
0.3140	6.70	10.21	16.91	59.8	6	-42.95	QP
0.3140	-4.81	10.21	5.40	49.8	6	-44.46	AVG
1.2420	4.42	12.14	16.56	56.0	0	-39.44	QP
1.2420	-6.78	12.14	5.36	46.0	0	-40.64	AVG
3.6420	6.49	9.71	16.20	56.0	0	-39.80	QP
3.6420	-4.71	9.71	5.00	46.0	0	-41.00	AVG
12.5340	23.27	9.81	33.08	60.0	0	-26.92	QP
12.5340	16.73	9.81	26.54	50.0	0	-23.46	AVG
18.1060	17.93	9.87	27.80	60.0	0	-32.20	QP
18.1060	13.66	9.87	23.53	50.0	0	-26.47	AVG
25.9140	15.48	10.00	25.48	60.0	0	-34.52	QP
			20.40	00.0	0	-34.52	QF
	8.28	10.00	18.28	50.0		-31.72	AVG
Remark: 1. All readings	8.28 are Quasi-Peak ertion Loss + Ca	10.00 and Average va	18.28				
Remark: 1. All readings 2. Factor = Inse 100.0 dBuV 90 80 70 60 50 40 30 20 10 10 10 10 10 10 10 10 10 1	are Quasi-Peak	10.00 and Average va able Loss.	18.28	50.0			AVG



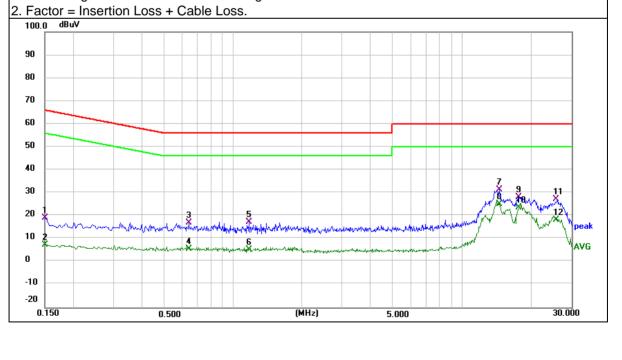


E	UT:		o/g/n 150Mbps WLAN + BT bo SDIO Module):	BL-M8	733BS2	
Τe	emperature:	199 C			Relati Humio		57%		
Pr	ressure:	1010hPa		Phase	e :	N			
Τe	est Voltage :	DC 3.3V from DC power supply AC 120V/60Hz		Test N	/lode:	Mode ⁻	1-ANT1		
				-					
	Frequency	Reading Level	Correct Factor	Measure	-ment	Lin	nits	Margin	Remark

	· · · · · · · · · · · · · · · · · · ·				June 201	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1500	9.13	10.01	19.14	66.00	-46.86	QP
0.1500	-2.46	10.01	7.55	56.00	-48.45	AVG
0.6380	5.93	11.00	16.93	56.00	-39.07	QP
0.6380	-5.33	11.00	5.67	46.00	-40.33	AVG
1.1780	5.20	12.10	17.30	56.00	-38.70	QP
1.1780	-6.85	12.10	5.25	46.00	-40.75	AVG
14.5340	21.66	9.88	31.54	60.00	-28.46	QP
14.5340	15.40	9.88	25.28	50.00	-24.72	AVG
17.7260	18.30	9.92	28.22	60.00	-31.78	QP
17.7260	13.65	9.92	23.57	50.00	-26.43	AVG
25.8180	17.25	10.04	27.29	60.00	-32.71	QP
25.8180	8.34	10.04	18.38	50.00	-31.62	AVG

Remark:

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







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

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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
ſ	0.009~0.490	2400/F(KHz)	20 log (uV/m)	300
F	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
ſ	88-216	150	43.5	3
l	216-960	200	46	3
	Above 960	500	54	3

Limits of Radiated Emission Measurement(Above 1000MHz)

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

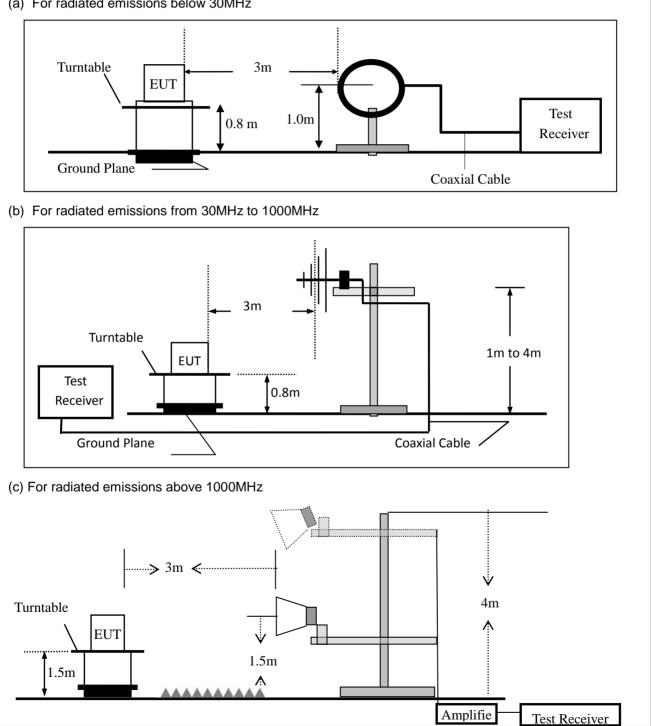
Certificate #4298.01

7.2.3 **Measuring Instruments**

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

Test Configuration 7.2.4

(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 test, the Spectrum Analyzer was set with the following configurations:

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Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Ab ave 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:	802.11a/b/g/n 150Mbps WLAN + BT v5.2 Combo SDIO Module		BL-M8733BS2
Temperature:	20 ℃	Relative Humidity:	48%
Lest 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)

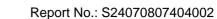
_			J112)						
	All the modulation	modes have been tested, a	and the worst result was repor	t as below:					
	EUT:	802.11a/b/g/n 150Mbps WLAN + BT v5.2 Combo SDIO Module		BL-M8733BS2					
	Temperature:	25 ℃	Relative Humidity:	55%					
	Pressure:	1010hPa	Test Mode:	Mode 3-ANT1					
	Test Voltage : DC 3.3V from DC power supply								

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Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Roman
V	48.3318	7.42	19.70	27.12	40.00	-12.88	QP
V	90.2205	11.39	15.97	27.36	43.50	-16.14	QP
V	150.0108	10.82	14.60	25.42	43.50	-18.08	QP
V	299.3158	10.68	20.43	31.11	46.00	-14.89	QP
V	480.5276	9.88	24.26	34.14	46.00	-11.86	QP
V	625.0780	9.91	26.59	36.50	46.00	-9.50	QP
Remark Emissio 80.0	K: n Level= Meter F dBuV/m	Reading+ Fac	tor, Margin	= Emission Le	vel - Limit		
70							
60							
50 40							
20	White work the work of the	2	3	were and the second with a second	to the second se	April Land Constant	lede-overler
20	Whither would be a second and a second	anindadiwa w	how where the	Ward Ward and Marked Wardson			
10							
0.0 30	1.000 60	0.00	(MHz) 3	800.00		1000.000





Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	49.8814	5.94	19.69	25.63	40.00	-14.37	QP
Н	93.1132	8.62	16.47	25.09	43.50	-18.41	QP
Н	143.8295	17.67	14.47	32.14	43.50	-11.36	QP
Н	285.9778	13.07	20.13	33.20	46.00	-12.80	QP
Н	468.8762	8.04	24.12	32.16	46.00	-13.84	QP
Н	818.8341	6.68	29.88	36.56	46.00	-9.44	QP
Remark Emission 80.0	: <u>n Level= Meter</u> dBuV/m	Reading+ Fa	ctor, Margin	= Emission Le	vel - Limit		
70							
60 - 50 -							
40 30	wind war when when we		A MANA MANA	the descent the second water	the when the work the first	Aluna March	and a chin
20		and a share a s					
0.0							
L	000	50.00		(MHz)	300.00		1000.000

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EUT:		802.11a/b/ WLAN + SDIO Moc	BT v5.2 C)Mbps ombo		el No.:		BL-	M8733BS	2		
Temperatu	ire:	20 ℃			Relat	ive Humic						
Test Mode	:	Mode2/Mo -ANT1	ode3/Mode	4	Test By:			Mai	Mary Hu			
Frequency	Read Level	Cable loss	Antenna Factor	Prear Facto		Emission Level	Limits	s	Margin	Remark	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/	'n)	(dB)			
			Low Ch	nannel ((2402	MHz)(GFS	K)Abo	ve 1	G			
4804.21	65.94	5.21	35.59	44.3	30	62.44	74.0	0	-11.56	Pk	Vertical	
4804.21	46.54	5.21	35.59	44.3	30	43.04	54.0	0	-10.96	AV	Vertical	
7206.92	68.62	6.48	36.27	44.6	60	66.77	74.0	0	-7.23	Pk	Vertical	
7206.92	44.90	6.48	36.27	44.6	50	43.05	54.00	0	-10.95	AV	Vertical	
4804.13	66.83	5.21	35.55	44.3	80	63.29	74.0	0	-10.71	Pk	Horizontal	
4804.13	44.75	5.21	35.55	44.3	0 41.21 5		54.00	0	-12.79	AV	Horizontal	
7206.73	67.86	6.48	36.27	44.5	52	66.09	74.0	0	-7.91	Pk	Horizonta	
7206.73	46.71	6.48	36.27	44.5	52	44.94	54.0	0	-9.06	AV	Horizontal	
Mid Channe				annel (2440 I	MHz)(GFS	K)Abo	ve 10	G			
4880.30	67.70	5.21	35.66	44.2	20	64.37	74.0	0	-9.63	Pk	Vertical	
4880.30	44.98	5.21	35.66	44.2	20	41.65	54.0	0	-12.35	AV	Vertical	
7320.82	64.92	7.10	36.50	44.4	3	64.09	74.0	0	-9.91	Pk	Vertical	
7320.82	46.66	7.10	36.50	44.4	3	45.83	54.0	0	-8.17	AV	Vertical	
4880.31	67.73	5.21	35.66	44.2	20	64.40	74.0	0	-9.60	Pk	Horizontal	
4880.31	45.49	5.21	35.66	44.2	20	42.16	54.00	0	-11.84	AV	Horizontal	
7320.96	67.92	7.10	36.50	44.4	13	67.09	74.0	0	-6.91	Pk	Horizontal	
7320.96	46.41	7.10	36.50	44.4	13	45.58	54.00	0	-8.42	AV	Horizontal	
			High Ch	annel ((2480	MHz)(GFS	K) Abo	ove 1	G		1	
4960.72	68.19	5.21	35.66	44.2	20	64.86	74.0	0	-9.14	Pk	Vertical	
4960.72	44.62	5.21	35.66	44.2		41.29	54.0		-12.71	AV	Vertical	
7440.27	66.76	7.10	36.50	44.4	3	65.93	74.0	0	-8.07	Pk	Vertical	
7440.27	44.47	7.10	36.50	44.4	13	43.64	54.0	0	-10.36	AV	Vertical	
4960.27	64.50	5.21	35.66	44.2	20	61.17	74.0	0	-12.83	Pk	Horizontal	
4960.27	46.64	5.21	35.66	44.2	20	43.31	54.0	0	-10.69	AV	Horizontal	
7440.27	64.78	7.10	36.50	44.4	13	63.95	74.0	0	-10.05	Pk	Horizontal	
7440.27	44.66	7.10	36.50	44.4	3	43.83	54.00	0	-10.17	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:			50Mbps 2 Combo	Mode	l No.:		BL-M	8733BS2		
Temperature:	20 ℃			Relati	Relative Humidity: 48%					
Test Mode:	Mode2/ ANT1	Mode4		Test E	st By: Mary Hu					
Frequency	Meter Cable Antenna Preamp Emission Loss Factor Factor Level					Lim	nits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)		(dB)	Туре	
				1Mbp	s(GFSK)					
2310.00	64.48	2.97	27.80	43.80	51.45	74.	.00	-22.55	Pk	Horizontal
2310.00	44.08	2.97	27.80	43.80	31.05	54.	.00	-22.95	AV	Horizontal
2310.00	64.89	2.97	27.80	43.80	51.86	74.	.00	-22.14	Pk	Vertical
2310.00	45.94	2.97	27.80	43.80	32.91	54.	.00	-21.09	AV	Vertical
2390.00	67.30	3.14	27.21	43.80	53.85	74.	.00	-20.15	Pk	Vertical
2390.00	45.18	3.14	27.21	43.80	31.73	54.	.00	-22.27	AV	Vertical
2390.00	67.06	3.14	27.21	43.80	53.61	74.	.00	-20.39	Pk	Horizontal
2390.00	46.01	3.14	27.21	43.80	32.56	54.	.00	-21.44	AV	Horizontal
2483.50	66.34	3.58	27.70	44.00	53.62	74.	.00	-20.38	Pk	Vertical
2483.50	46.41	3.58	27.70	44.00	33.69	54.00		-20.31	AV	Vertical
2483.50	67.48	3.58	27.70	44.00	54.76	74.	.00	-19.24	Pk	Horizontal
2483.50	46.31	3.58	27.70	44.00	33.59	54.	.00	-20.41	AV	Horizontal

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

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





Spurious	s Emission	in Restric	cted Band 3	3260MHz-	18000MHz					
EUT:	802.1 WLAI	1a/b/g/n	150Mb v5.2 Com	ps			BL-M8	3733BS2		
Temperature	e: 20 ℃			Relativ	ve Humidity	:	48%			
Test Mode:	Mode ANT1	2/ Mode4	ļ	Test E	Test By: Ma			Hu		
Frequency	Reading Level	Cable Loss	Preamp Factor	Emission Level	Li	mits	Margin	Detector	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dB	μV/m)	(dB)	Туре	
3260	65.92	4.04	29.57	44.70	54.83	7	4.00	-19.17	Pk	Vertical
3260	45.21	4.04	29.57	44.70	34.12	5	4.00	-19.88	AV	Vertical
3260	68.35	4.04	29.57	44.70	57.26	74.00		-16.74	Pk	Horizontal
3260	45.26	4.04	29.57	44.70	34.17	54.00		-19.83	AV	Horizontal
3332	66.59	4.26	29.87	44.40	56.32	7	4.00	-17.68	Pk	Vertical
3332	46.36	4.26	29.87	44.40	36.09	5	4.00	-17.91	AV	Vertical
3332	66.69	4.26	29.87	44.40	56.42	7	4.00	-17.58	Pk	Horizontal
3332	45.25	4.26	29.87	44.40	34.98	5	4.00	-19.02	AV	Horizontal
17797	53.30	10.99	43.95	43.50	64.74	7	4.00	-9.26	Pk	Vertical
17797	33.28 10.99 43.95 43.50 44.72		44.72	5	4.00	-9.28	AV	Vertical		
17788	51.14	11.81	43.69	44.60	62.04	7	4.00	-11.96	Pk	Horizontal
17788	32.48	11.81	43.69	44.60	43.38	5	4.00	-10.62	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





EUT:		sion Above 802.11a/b WLAN + SDIO Moo	/g/n 150 BT v5.2 C)Mbps	Model No.		В	BL-M8733BS	2		
Temperatu	ire:	20 ℃			Relative H	umidity:	4	48%			
Test Mode	:	Mode2/Mo ANT2	ode3/Mode	4	Test By:			/ary Hu			
Frequency	Read Level	Cable loss	Antenna Factor	Prear Fact			mits	Margin	Remark	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(dB) (dBµV	m) (dB	μV/m)) (dB)			
			Low (Channel	(2402 MHz)(GFSK)Ab	ove 1	G			
4804.61	65.41	5.21	35.59	44.3	61.9	1 74	4.00	-12.09	Pk	Vertical	
4804.61	45.64	5.21	35.59	44.3	30 42.1	4 54	4.00	-11.86	AV	Vertical	
7206.88	68.95	6.48	36.27	44.6	67.1	0 74	4.00	-6.90	Pk	Vertical	
7206.88	46.49	6.48	36.27	44.6	60 44.6	4 54	1.00	-9.36	AV	Vertical	
4804.15	66.91	5.21	35.55	44.3	63.3	7 74	4.00	-10.63	Pk	Horizontal	
4804.15	46.31	5.21	35.55	44.3	30 42.7	7 54	4.00	-11.23	AV	Horizontal	
7206.10	65.69	6.48	36.27	44.5	63.9	2 74	4.00	-10.08	Pk	Horizontal	
7206.10	44.52	6.48	36.27	44.5	52 42.7	5 54	4.00	-11.25	AV	Horizontal	
			Mid Cha	nnel (2	2440 MHz)(GFSK)	Abov	ve 1G		-	
4880.98	68.00	5.21	35.66	44.2		7 74	4.00	-9.33	Pk	Vertical	
4880.98	46.54	5.21	35.66	44.2	20 43.2	1 54	4.00	-10.79	AV	Vertical	
7320.93	67.98	7.10	36.50	44.4			1.00	-6.85	Pk	Vertical	
7320.93	46.63	7.10	36.50	44.4	45.8	0 54	1.00	-8.20	AV	Vertical	
4880.26	65.45	5.21	35.66	44.2			1.00	-11.88	Pk	Horizontal	
4880.26	44.25	5.21	35.66	44.2			1.00	-13.08	AV	Horizontal	
7320.80	67.85	7.10	36.50	44.4			1.00	-6.98	Pk	Horizontal	
7320.80	45.03	7.10	36.50	44.4			1.00	-9.80	AV	Horizontal	
			_		2480 MHz)			1			
4960.32	65.30	5.21	35.66	44.2	20 61.9	7 74	1.00	-12.03	Pk	Vertical	
4960.32	46.21	5.21	35.66	44.2	42.8	8 54	1.00	-11.12	AV	Vertical	
7440.08	67.52	7.10	36.50	44.4			1.00	-7.31	Pk	Vertical	
7440.08	45.83		36.50	44.4	45.0		4.00	-9.00	AV	Vertical	
4960.89	68.26	5.21	35.66	44.2	.0 64.9	3 74	4.00	-9.07	Pk	Horizontal	
4960.89	44.40	5.21	35.66	44.2	20 41.0	7 54	4.00	-12.93	AV	Horizontal	
7440.88	68.61	7.10	36.50	44.4	3 67.7	8 74	4.00	-6.22	Pk	Horizontal	
7440.88	44.05	7.10	36.50	44.4	43.2	2 54	4.00	-10.78	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:		+ BŤ v5.	50Mbps 2 Combo	Mo	del No.:		BL-N	//8733BS	2	
Temperature:	: 20 ℃			Rel	Relative Humidity: 48%					
Fest Mode:	Mode2/ ANT2	Mode4		Tes	Test By: Mary Hu					
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor				Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	V/m)	(dB)	Туре	
1MbpsGFSK										
2310.00	66.92	2.97	27.80	43.80	53.89	74.	00	-20.11	Pk	Horizontal
2310.00	44.47	2.97	27.80	43.80	31.44	54.	00	-22.56	AV	Horizontal
2310.00	67.81	2.97	27.80	43.80	54.78	74.	00	-19.22	Pk	Vertical
2310.00	44.09	2.97	27.80	43.80	31.06	54.	00	-22.94	AV	Vertical
2390.00	67.18	3.14	27.21	43.80	53.73	74.	00	-20.27	Pk	Vertical
2390.00	46.82	3.14	27.21	43.80	33.37	54.	00	-20.63	AV	Vertical
2390.00	66.23	3.14	27.21	43.80	52.78	74.	00	-21.22	Pk	Horizontal
2390.00	44.26	3.14	27.21	43.80	30.81	54.	00	-23.19	AV	Horizontal
2483.50	66.85	3.58	27.70	44.00	54.13	74.	00	-19.87	Pk	Vertical
2483.50	44.23	3.58	27.70	44.00	31.51	54.	00	-22.49	AV	Vertical
2483.50	66.52	3.58	27.70	44.00	53.80	74.	00	-20.20	Pk	Horizontal
2483.50	45.44	3.58	27.70	44.00	32.72	54.	00	-21.28	AV	Horizontal

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

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





■ Spurious					z-18000MH	z				
EUT:	WLA	l1a/b/g/n N + BT Module	150M v5.2 Cor		el No.:		BL-M	18733BS2	2	
Temperature	e: 20 °C	2		Rela	tive Humidit	y:	48%			
Test Mode:	Mode ANT2	e2/ Mode 2	4	Test	Test By:			Hu		
Frequency	y Reading Cable Antenna Preamp Emission Level Loss Factor Factor Level				Lim	nits	Margin	Detector	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	V/m)	(dB)	Туре	
3260	64.47	4.04	29.57	44.70	53.38	74.	00	-20.62	Pk	Vertical
3260	46.76	4.04	29.57	44.70	35.67	54.	00	-18.33	AV	Vertical
3260	66.92	4.04	29.57	44.70	55.83	74.	00	-18.17	Pk	Horizontal
3260	46.85	4.04	29.57	44.70	35.76	54.	00	-18.24	AV	Horizontal
3332	67.30	4.26	29.87	44.40	57.03	74.	00	-16.97	Pk	Vertical
3332	46.53	4.26	29.87	44.40	36.26	54.	00	-17.74	AV	Vertical
3332	67.16	4.26	29.87	44.40	56.89	74.	00	-17.11	Pk	Horizontal
3332	44.74	4.26	29.87	44.40	34.47	54.	00	-19.53	AV	Horizontal
17797	50.48	10.99	43.95	43.50	61.92	74.	00	-12.08	Pk	Vertical
17797	35.84	10.99	43.95	43.50	3.50 47.28 54		00	-6.72	AV	Vertical
17788	54.13	11.81	43.69	44.60	65.03	74.	00	-8.97	Pk	Horizontal
17788	35.60	11.81	43.69	44.60	46.50	54.	00	-7.50	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.

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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:	802.11a/b/g/n 150Mbps WLAN + BT v5.2 Combo SDIO Module		BL-M8733BS2
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:	802.11a/b/g/n 150Mbps WLAN + BT v5.2 Combo SDIO Module		BL-M8733BS2
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	N/A	Test By:	N/A

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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.

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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:	802.11a/b/g/n 150Mbps WLAN + BT v5.2 Combo SDIO Module		BL-M8733BS2
Temperature:	20 ℃	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:	802.11a/b/g/n 150Mbps WLAN + BT v5.2 Combo SDIO Module	Model No.:	BL-M8733BS2
Temperature:	20 ℃	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:	802.11a/b/g/n 150Mbps WLAN + BT v5.2 Combo SDIO Module		BL-M8733BS2
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode4	Test By:	Mary Hu





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.

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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 (ANT1:Gain: 1.7dBi; ANT2: 2.3dBi). It comply with the standard requirement.





8 TEST RESULTS

8.1 **ANT1-1M**

8.1.1 Duty Cycle

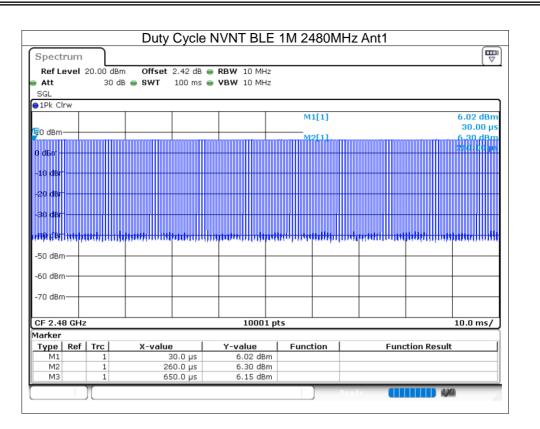
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	64.79	1.88	2.5
NVNT	BLE 1M	2440	Ant1	64.79	1.88	2.5
NVNT	BLE 1M	2480	Ant1	64.8	1.88	2.56





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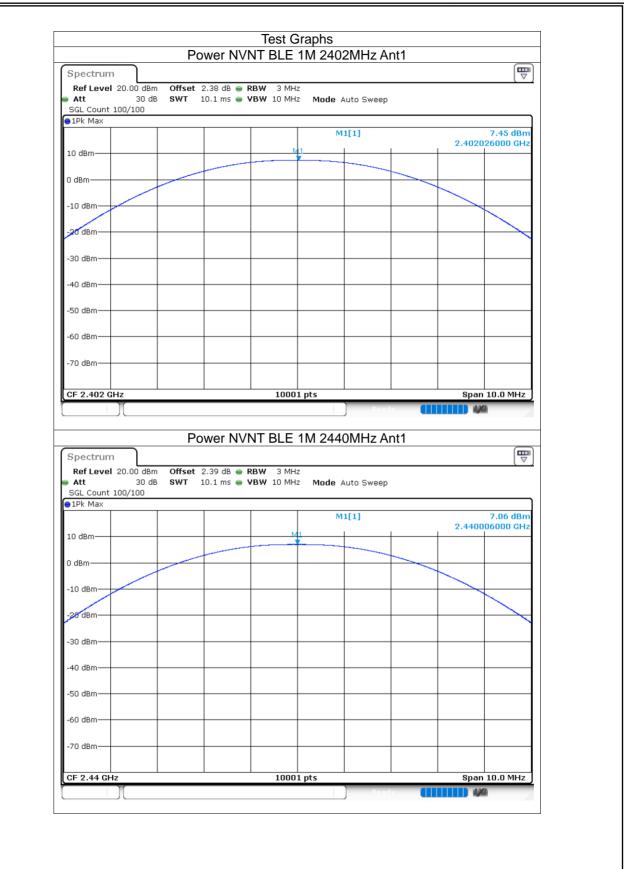
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8.1.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	7.45	30	Pass
NVNT	BLE 1M	2440	Ant1	7.06	30	Pass
NVNT	BLE 1M	2480	Ant1	6.33	30	Pass





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	Power NVN	NT BLE 1M 2	480MHz Ant1		
Spectrum				ſ	₽
Ref Level 20.00 dBm Att 30 dE SGL Count 100/100	_		le Auto Sweep	(
●1Pk Max					
			M1[1]	6.33 di 2.480072000 G	
10 dBm					
0 dBm					\neg
-10 dBm					\neg
-20 dBm				\rightarrow	
-30 dBm					
-40 dBm					
-50 dBm					
-60 dBm					
-70 dBm					\neg
CF 2.48 GHz		10001 pts		Span 10.0 MF	Ηz
			Ready		

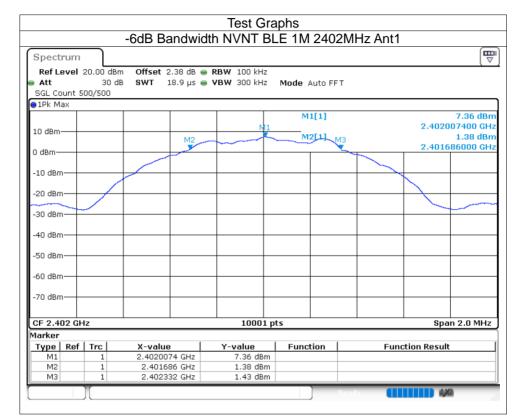
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8.1.3 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.646	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.655	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.641	0.5	Pass







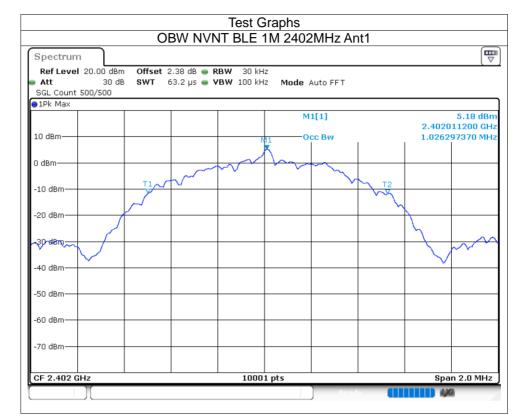
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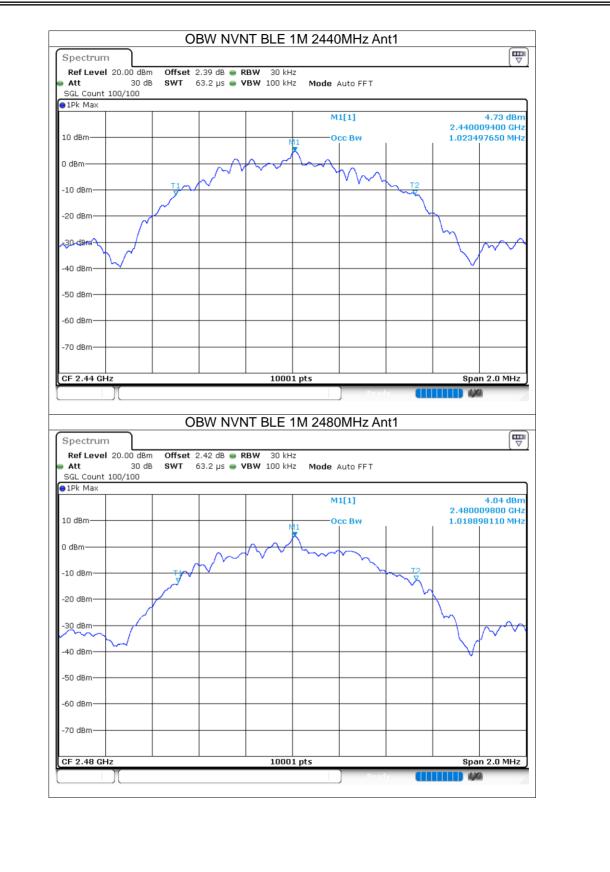


8.1.4 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.026
NVNT	BLE 1M	2440	Ant1	1.023
NVNT	BLE 1M	2480	Ant1	1.019







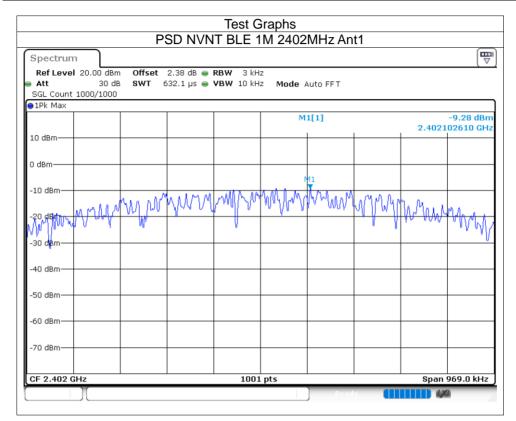
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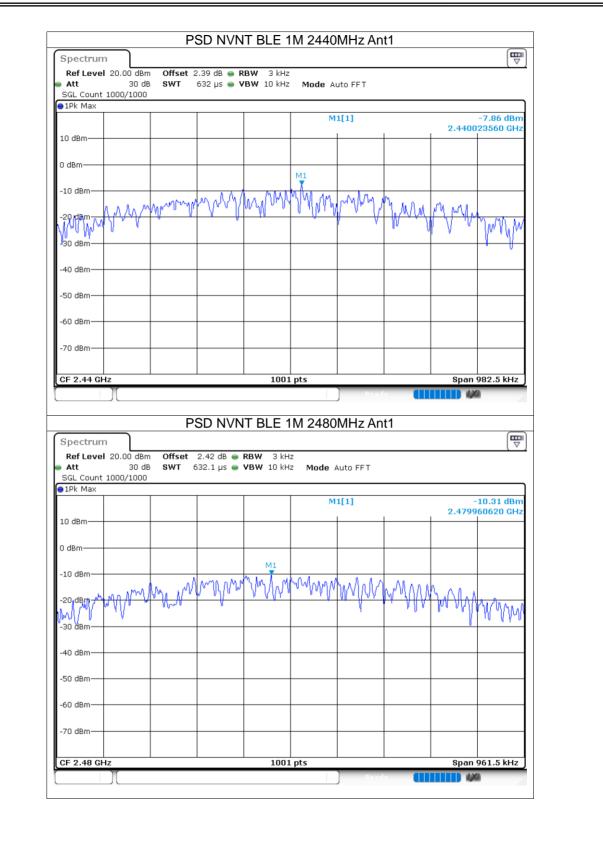


8.1.5 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-9.28	8	Pass
NVNT	BLE 1M	2440	Ant1	-7.86	8	Pass
NVNT	BLE 1M	2480	Ant1	-10.31	8	Pass







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8.1.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-67.32	-20	Pass
NVNT	BLE 1M	2480	Ant1	-67.25	-20	Pass

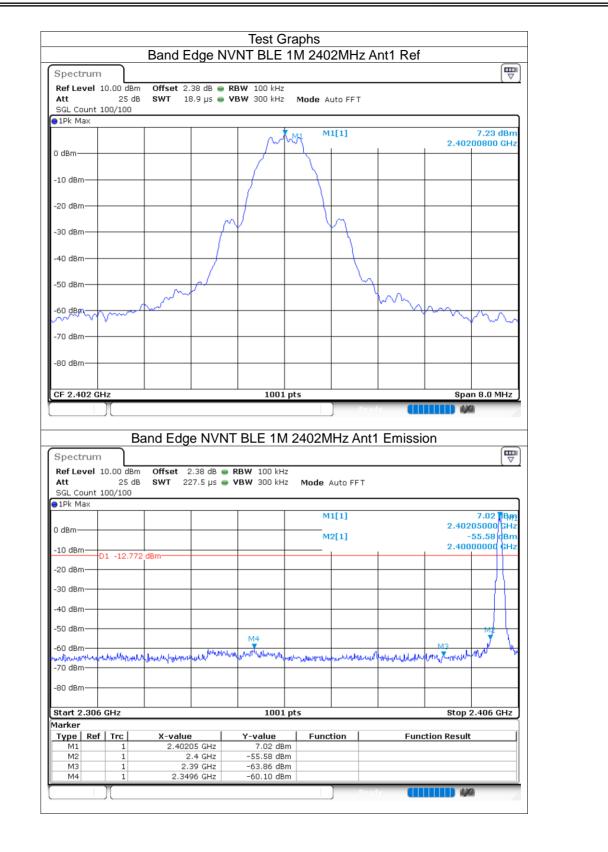


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Spectrum									
Ref Level		Offset 2	42 dB 👄 🛙	RBW 100 kHz					
Att	25 dB			VBW 300 kHz	Mode A	uto FFT			
SGL Count	100/100								
1Pk Max		1							
				1	M1 M	1[1]		9 400	6.26 dBm 00800 GHz
) dBm					\sim			2.40	00000 0112
					7				
10 dBm				+/-+					├ ───
					1				
20 dBm —				+					
			∧	J/	Į	~			
30 dBm				Ť					
40 40.									
40 dBm									
50 dBm			\square			L.			
		m	2				m		
60 dBm							my		
Nin	~~~~	1					V	"V~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1 m
70 dBm				+					├ ───
80 dBm		-		+ +					
F 2.48 GH	z	1	1	1001	pts	I	I	Spa	n 8.0 MHz
	JB	and Edg	e NVN	T BLE 1M	2480M) Read IHz Ant1	Emissi	on	
-	ı) Pead IHz Ant1	Emissi	on	
Spectrum Ref Level Att	10.00 dBm	Offset 2	2.42 dB 👄	RBW 100 kHz			Emissi	on	
Ref Level Att	1 10.00 dBm 25 dB	Offset 2	2.42 dB 👄				Emissi	on	
Ref Level Att SGL Count	1 10.00 dBm 25 dB	Offset 2	2.42 dB 👄	RBW 100 kHz	Mode /	Auto FFT	Emissi	on	
Ref Level Att SGL Count 1Pk Max	1 10.00 dBm 25 dB	Offset 2	2.42 dB 👄	RBW 100 kHz	Mode /				6.18 dBm
Ref Level Att SGL Count 1Pk Max	1 10.00 dBm 25 dB	Offset 2	2.42 dB 👄	RBW 100 kHz	Mode /	Auto FFT 1[1]	Emissi	2.480	
Ref Level Att SGL Count IPk Max M1 I dBm 10 dBm	10.00 dBm 25 dB 100/100	Offset 2 SWT 22	2.42 dB 👄	RBW 100 kHz	Mode /	Auto FFT		2.480	6.18 dBm 05000 GHz
Ref Level Att SGL Count 1Pk Max M1 I dB n 10 dBm	1 10.00 dBm 25 dB	Offset 2 SWT 22	2.42 dB 👄	RBW 100 kHz	Mode /	Auto FFT 1[1]	Emissi	2.480	6.18 dBm 05000 GHz 63.37 dBm
Ref Level Att SGL Count 1Pk Max M1 I dB n 10 dBm	10.00 dBm 25 dB 100/100	Offset 2 SWT 22	2.42 dB 👄	RBW 100 kHz	Mode /	Auto FFT 1[1]	Emissi	2.480	6.18 dBm 05000 GHz 63.37 dBm
Ref Level Att SGL Count 1Pk Max M1 dBn 10 dBm 20 dBm	10.00 dBm 25 dB 100/100	Offset 2 SWT 22	2.42 dB 👄	RBW 100 kHz	Mode /	Auto FFT 1[1]		2.480	6.18 dBm 05000 GHz 63.37 dBm
Ref Level Att SGL Count 1Pk Max M1 dBm 10 dBm 20 dBm 30 dBm	10.00 dBm 25 dB 100/100	Offset 2 SWT 22	2.42 dB 👄	RBW 100 kHz	Mode /	Auto FFT 1[1]		2.480	6.18 dBm 05000 GHz 63.37 dBm
Ref Level Att SGL Count IPk Max M1 dBn 10 dBm 20 dBm 40 dBm	10.00 dBm 25 dB 100/100	Offset 2 SWT 22	2.42 dB 👄	RBW 100 kHz	Mode /	Auto FFT 1[1]		2.480	6.18 dBm 05000 GHz 63.37 dBm
Mathematical Mathematical SGL Count IPK Max IPK Max M1 IdB n ID 10 dB n ID 20 dB m ID 30 dB m ID 40 dB m ID	10.00 dBm 25 dB 100/100	Offset 2 SWT 22	2.42 dB 👄	RBW 100 kHz	Mode /	Auto FFT 1[1]		2.480	6.18 dBm 05000 GHz 63.37 dBm
Main Ministry SGL Count IPk Max IPk Max M1 ID dBm ID dBm 20 dBm ID dBm 30 dBm ID dBm 40 dBm ID dBm	10.00 dBm 25 dB 100/100	7 dBm	2.42 dB •	RBW 100 kHz	Mode /	Auto FFT 1[1] 2[1]		2.480	6.18 dBm 05000 GHz 63.37 dBm 50000 GHz
Mathematical Mathematical SGL Count SGL Count 1Pk Max M1 1D dBm M1 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm M4	10.00 dBm 25 dB 100/100	7 dBm	2.42 dB •	RBW 100 kHz	Mode /	Auto FFT 1[1] 2[1]		2.480	6.18 dBm 05000 GHz 63.37 dBm
Mathematical Mathematical SGL Count SGL Count 1Pk Max M1 1D dBm M1 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm M4	10.00 dBm 25 dB 100/100	7 dBm	2.42 dB •	RBW 100 kHz	Mode /	Auto FFT 1[1] 2[1]		2.480	6.18 dBm 05000 GHz 63.37 dBm 50000 GHz
Aref Level Att SGL Count IPk Max IPk Max <t< td=""><td>10.00 dBm 25 dB 100/100</td><td>7 dBm</td><td>2.42 dB •</td><td>RBW 100 kHz</td><td>Mode /</td><td>Auto FFT 1[1] 2[1]</td><td></td><td>2.480</td><td>6.18 dBm 05000 GHz 63.37 dBm 50000 GHz</td></t<>	10.00 dBm 25 dB 100/100	7 dBm	2.42 dB •	RBW 100 kHz	Mode /	Auto FFT 1[1] 2[1]		2.480	6.18 dBm 05000 GHz 63.37 dBm 50000 GHz
Mathematical Mathematical SGL Count IPk Max IPk Max M1 IdB m ID 10 dB m ID 20 dBm ID 40 dBm ID 50 dBm ID 50 dBm ID 60 dBm ID 80 dBm ID	10.00 dBm 25 dB 100/100 D1 -13.73	7 dBm	2.42 dB •	RBW 100 kHz VBW 300 kHz	Mode /	Auto FFT 1[1] 2[1]		2.480 2.483	6.18 dBm 05000 GHz 63.37 dBm 50000 GHz
Mathematical Mathematical SGL Count SGL Count SGL Count IPk Max IPk Max M1 IdB m GBM 20 dBm GBM 30 dBm GBM 40 dBm GBM 50 dBm GBM 60 dBm GBM 80 dBm GBM 80 dBm GBM	10.00 dBm 25 dB 100/100 D1 -13.73	7 dBm	2.42 dB •	RBW 100 kHz	Mode /	Auto FFT 1[1] 2[1]		2.480 2.483	6.18 dBm 05000 GHz 63.37 dBm 50000 GHz
Aref Level Att SGL Count IPK Max IPK Max IPK Max ID dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 60 dBm 80 dBm 80 dBm Start 2.476	10.00 dBm 25 dE 100/100 D1 -13.73	Offset 2 SWT 22	2.42 dB • 7.5 µs •	RBW 100 kHz VBW 300 kHz	Mode /	Auto FFT 1[1] 2[1] 		2.480 2.483	6.18 dBm 05000 GHz 63.37 dBm 50000 GHz //// ///////////////////////////////
Aref Level Att SGL Count 1Pk Max M1 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 80 dBm 80 dBm 80 dBm 80 dBm 80 dBm 31 dBm 70 dBm 80 dBm 31 dBm 80 dBm 80 dBm 90 dBm 91 dBm	10.00 dBm 25 dB 100/100 D1 -13.73	Offset 2 SWT 22 7 dBm 7 dBm M3 444444 M3 444444 X-value 2.4800	2.42 dB • ?7.5 µs •	RBW 100 kHz VBW 300 kHz	Mode / M M M M M M M M M M M M M M M M M M M	Auto FFT 1[1] 2[1] 		2.480 2.483	6.18 dBm 05000 GHz 63.37 dBm 50000 GHz //// ///////////////////////////////
Aref Level Att SGL Count 1Pk Max IPk Max IPk Max IO dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 50 dBm 60 dBm 80 dBm	10.00 dBm 25 dE 100/100 D1 -13.73 Amr.,uu.,uyu 5 GHz 5 GHz 1 1	7 dBm M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	2.42 dB	RBW 100 kHz VBW 300 kHz	Mode / 	Auto FFT 1[1] 2[1] 		2.480 2.483	6.18 dBm 05000 GHz 63.37 dBm 50000 GHz //// ///////////////////////////////
Ref Level Att SGL Count IPk Max IPk Max <td< td=""><td>10.00 dBm 25 dB 100/100 D1 -13.73</td><td>Offset 2 SWT 22 SWT 22 7 dBm 7 dBm 7 dBm 8 7 dBm 7 dBm 8 7 dBm 8 7 dBm 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>2.42 dB • ?7.5 µs •</td><td>RBW 100 kHz VBW 300 kHz</td><td>Mode / </td><td>Auto FFT 1[1] 2[1] </td><td></td><td>2.480 2.483</td><td>6.18 dBm 05000 GHz 63.37 dBm 50000 GHz //// ///////////////////////////////</td></td<>	10.00 dBm 25 dB 100/100 D1 -13.73	Offset 2 SWT 22 SWT 22 7 dBm 7 dBm 7 dBm 8 7 dBm 7 dBm 8 7 dBm 8 7 dBm 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2.42 dB • ?7.5 µs •	RBW 100 kHz VBW 300 kHz	Mode / 	Auto FFT 1[1] 2[1] 		2.480 2.483	6.18 dBm 05000 GHz 63.37 dBm 50000 GHz //// ///////////////////////////////

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8.1.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-57.74	-20	Pass
NVNT	BLE 1M	2440	Ant1	-57.02	-20	Pass
NVNT	BLE 1M	2480	Ant1	-56.88	-20	Pass

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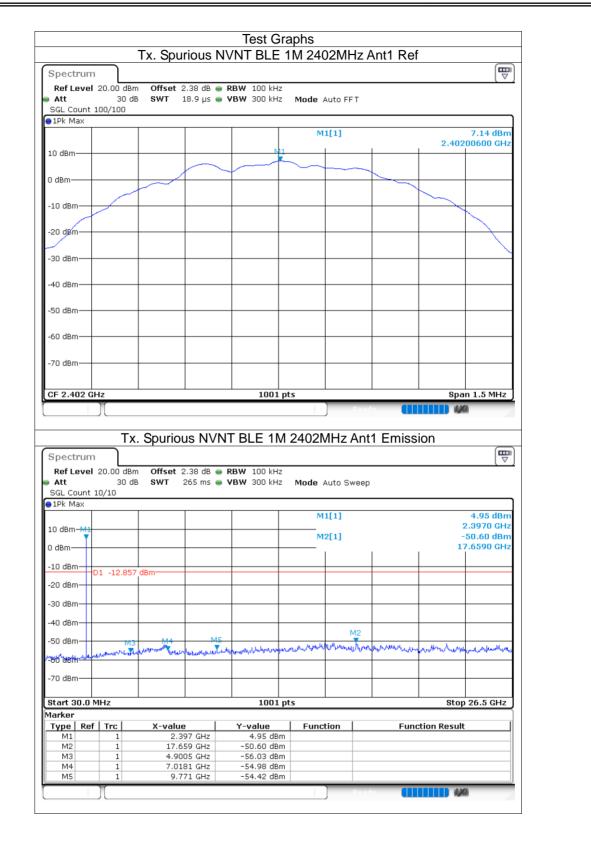


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	10.00 dBm			RBW 100 kHz					
Att SGL Count :	30 dB 100/100	SWT 18	в.а hz 🥌	VBW 300 kHz	Mode A	uto FFT			
1Pk Max									
			\langle		M1	l[1]			6.47 dBm
0 dBm								2.44000	66000 GHz
-10 dBm									
-20 dBm									
-30 dBm									
-30 0611									
-40 dBm									
-50 dBm									
(d b a									
-60 dBm									
-70 dBm									
-80 dBm				+ +					
CF 2.44 GH	17			30001	nte		-	Sna	n 1.5 MHz
	2			30001	pts			opa	
	JTx.	Spuriou	s NVN	IT BLE 1M) 1Hz Ar	odv 🛄 nt1 Emiss		
-	JTx.	Offset 2.	39 dB 👄		I 2440N				
Ref Level Att SGL Count	Tx.	Offset 2.	39 dB 👄	IT BLE 1N	I 2440N				
Ref Level Att SGL Count	Tx. 10.00 dBm 30 dB 10/10	Offset 2.	39 dB 👄	IT BLE 1N	1 2440N Mode A	uto Swei			
Ref Level Att SGL Count : 1Pk Max	Tx.	Offset 2.	39 dB 👄	IT BLE 1N	1 2440N Mode A	uto Swee		sion 2.4	€.51 dBm 40010 GHz
Ref Level Att SGL Count 1Pk Max	Tx. 10.00 dBm 30 dB 10/10	Offset 2. SWT 2	39 dB 👄	IT BLE 1N	1 2440N Mode A	uto Swei		sion 2.4	.51 dBm
Ref Level Att SGL Count 1Pk Max 0 dBm -10 dBm	Tx. 10.00 dBm 30 dB 10/10	Offset 2. SWT 2	39 dB 👄	IT BLE 1N	1 2440N Mode A	uto Swee		sion 2.4	6.51 dBm 40010 GHz 50.56 dBm
Ref Level Att SGL Count : 1Pk Max 0 dBm -10 dBm -20 dBm	Tx. 10.00 dBm 30 dB 10/10	Offset 2. SWT 2	39 dB 👄	IT BLE 1N	1 2440N Mode A	uto Swee		sion 2.4	6.51 dBm 40010 GHz 50.56 dBm
Ref Level Att SGL Count : 1Pk Max 0 dBm -10 dBm -20 dBm	Tx. 10.00 dBm 30 dB 10/10	Offset 2. SWT 2	39 dB 👄	IT BLE 1N	1 2440N Mode A	uto Swee		sion 2.4	6.51 dBm 40010 GHz 50.56 dBm
Ref Level Att SGL Count : 1Pk Max D dBm -10 dBm -20 dBm -30 dBm	Tx. 10.00 dBm 30 dB 10/10	Offset 2. SWT 2	39 dB 👄	IT BLE 1N	Mode A	uto Swee		sion 2.4	6.51 dBm 40010 GHz 50.56 dBm
Ref Level Att SGL Count : 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 10.00 dBm 30 dB 10/10 M1 D1 -13.533	Offset 2. SWT 2 dBm	39 dB ● 65 ms ●	RBW 100 kHz YBW 300 kHz	Mode A Mode A M1	L[1] 2[1]	эр	2.4 	€.51 dBm 40010 GHz 50.56 dBm 86432 GHz
Ref Level Att SGL Count : 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 10.00 dBm 30 dB 10/10 M1 D1 -13.533	Offset 2. SWT 2	39 dB ● 65 ms ●	RBW 100 kHz YBW 300 kHz	Mode A Mode A M1 M2	uto Swee		2.4 	€.51 dBm 40010 GHz 50.56 dBm 86432 GHz
Ref Level Att SGL Count IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 10.00 dBm 30 dB 10/10 M1 D1 -13.533	Offset 2. SWT 2: dBm	39 dB ● 65 ms ●	RBW 100 kHz YBW 300 kHz	Mode A Mode A M1 M2	uto Swee	2p	2.4 	6.51 dBm 40010 GHz 50.56 dBm 86432 GHz
Ref Level Att SGL Count 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	Tx. 10.00 dBm 30 dB 10/10 M1 D1 -13.533	Offset 2. SWT 2: dBm	39 dB ● 65 ms ●	RBW 100 kHz YBW 300 kHz	Mode A Mode A M1 M2	uto Swee	2p	2.4 	6.51 dBm 40010 GHz 50.56 dBm 86432 GHz
Att SGL Count : 1Pk Max 0 dBm	Tx. 10.00 dBm 30 dB 10/10 M1 D1 -13.533	Offset 2. SWT 2: dBm	39 dB ● 65 ms ●	RBW 100 kHz YBW 300 kHz	Mode A Mode A M1 M2	uto Swee	2p	2.4 	6.51 dBm 40010 GHz 50.56 dBm 86432 GHz
Ref Level Att SGL Count IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -80 dBm	Tx. 10.00 dBm 30 dB 10/10 M1 D1 -13.533 M2 Luffermus	Offset 2. SWT 2: dBm	39 dB ● 65 ms ●	RBW 100 kHz VBW 300 kHz	Mode A	uto Swee	2p	2.4 	6.51 dBm 40010 GHz 50.56 dBm 86432 GHz
Ref Level Att SGL Count IPk Max D dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -50 dBm -50 dBm -70 dBm -80 dBm -10 dBm -70 dBm -70 dBm -70 dBm -70 dBm -80 dBm -70 dBm	Tx. 10.00 dBm 30 dB 10/10 M1 D1 -13.533 M3 Uniferit M4 MHz	Offset 2. SWT 2: dBm	39 dB ● 65 ms ●	RBW 100 kHz YBW 300 kHz	Mode A	uto Swee	2p	2.4 	6.51 dBm 40010 GHz 50.56 dBm 86432 GHz
Ref Level Att SGL Count SGL Count IPk Max O dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -80 dBm -70 dBm	Tx. 10.00 dBm 30 dB 10/10 M1 D1 -13.533 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1	Offset 2. SWT 2: dBm	39 dB	RBW 100 kHz VBW 300 kHz	Mode A Mode A M1 M2 M2 pts Funct	L[1] 2[1]	≥p	2.4 	€.51 dBm 40010 GHz 50.56 dBm 86432 GHz
Ref Level Att SGL Count 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	Tx. 10.00 dBm 30 dB 10/10 M1 D1 -13.533 M3 Uniferit M4 MHz	Offset 2. SWT 2:	39 dB	TBLE 1N	Mode A Mode A M3 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	L[1] 2[1]	≥p	2.4 	€.51 dBm 40010 GHz 50.56 dBm 86432 GHz
Ref Level Att SGL Count IPk Max D dBm 10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -50 dBm -70 dBm -80 dBm -70 dBm -7	Tx. 10.00 dBm 30 dB 10/10 M1 D1 -13.533 M3 Utile 10 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	Offset 2. SWT 2 dBm dBm X-value 2.4400 14.96643 5.03018	39 dB 65 ms 65 ms 1 GHz 2 GHz 3 GHz 3 GHz	TBLE 1M	Mode A Mode A M1 M2 M2 pts Funct	L[1] 2[1]	≥p	2.4 	€.51 dBm 40010 GHz 50.56 dBm 86432 GHz
Ref Level Att SGL Count IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -80 dBm -80 dBm -80 dBm -80 dBm -80 dBm -80 dBm -70 dBm -80 dBm -90 dBm -10 dBm -	Tx. 10.00 dBm 30 dB 10/10 M1 D1 -13.533 M3 MHz MHz Trc 1 1	Offset 2. SWT 2: dBm dBm x-value 2.4400 14.98643;	39 dB 65 ms	IT BLE 1N RBW 100 kHz VBW 300 kHz I I I I I I I I I I I I I	Mode A Mode A M1 M2 M2 pts	L[1] 2[1]	≥p	2.4 	€.51 dBm 40010 GHz 50.56 dBm 86432 GHz

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Ref Level 10.00 dB Att 30 d SGL Count 100/100		RBW 100 kHz VBW 300 kHz	Mode Auto FFT			
1Pk Max	1	1 1				
			M1[1]	-	2.48000	6.22 dBm 87500 GHz
D dBm						
-10 dBm					-	
-10 UBIII						
-20 dBm						
30 dBm						
-40 dBm						
-50 dBm						
-60 dBm					_	
-70 dBm						
-80 dBm						
CF 2.48 GHz						n 1.5 MHz
			-		spa	11.0 10112
)[x. Spurious NVN	NT BLE 1M 2	R	ootv 🚺 .nt1 Emis		
Spectrum Ref Level 10.00 dB Att 30 d	m Offset 2.42 dB 👄	• RBW 100 kHz	2480MHz A			
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10	om Offset 2.42 dB 👄	• RBW 100 kHz	2480MHz A			
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10)1Pk Max	om Offset 2.42 dB 👄	• RBW 100 kHz	2480MHz A		sion	
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 p1Pk Max	om Offset 2.42 dB 👄	• RBW 100 kHz	2480MHz A Mode Auto Swe		ssion 2.4	
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 PIPk Max 0 dBm M1 -10 dBm	im Offset 2.42 dB dB SWT 265 ms	• RBW 100 kHz	2480MHz A Mode Auto Swa 		2.4	
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 PIPk Max M1 0 dBm M1 -10 dBm D1 -13.77	im Offset 2.42 dB dB SWT 265 ms	• RBW 100 kHz	2480MHz A Mode Auto Swa 		2.4	4.97 dBm 79720 GHz 50.66 dBm
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 PIPk Max M1 0 dBm M1 -10 dBm D1 -13.77	im Offset 2.42 dB dB SWT 265 ms	• RBW 100 kHz	2480MHz A Mode Auto Swa 		2.4	4.97 dBm 79720 GHz 50.66 dBm
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 PIPk Max 0 dBm -10 dBm -20 dBm -30 dBm	im Offset 2.42 dB dB SWT 265 ms	• RBW 100 kHz	2480MHz A Mode Auto Swa 		2.4	4.97 dBm 79720 GHz 50.66 dBm
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 PIPk Max M1 0 dBm D1 -13.77 -20 dBm	im Offset 2.42 dB dB SWT 265 ms //6 dBm	RBW 100 kHz VBW 300 kHz	2480MHz A Mode Auto Swa M1[1] M2[1]	эер 	2.4 	4.97 dBm 79720 GHz 50.66 dBm 18702 GHz
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 PIPk Max M1 0 dBm D1 -13.77 -20 dBm	im Offset 2.42 dB dB SWT 265 ms //6 dBm	8 RBW 100 kHz VBW 300 kHz	2480MHz A Mode Auto Swa M1[1] M2[1]	эер И И2	2.4 	4.97 dBm 79720 GHz 50.66 dBm 18702 GHz
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 1Pk Max M1 0 dBm D1 -13.77 -10 dBm D1 -13.77 -20 dBm	im Offset 2.42 dB dB SWT 265 ms dB SWT 266 ms	8 RBW 100 kHz VBW 300 kHz	Mode Auto Swe	эер И И2	2.4 	4.97 dBm 79720 GHz 50.66 dBm 18702 GHz
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 PIPk Max M1 0 dBm M1 -10 dBm D1 -13.77 -20 dBm	im Offset 2.42 dB dB SWT 265 ms dB SWT 266 ms	8 RBW 100 kHz VBW 300 kHz	Mode Auto Swe	эер И И2	2.4 	4.97 dBm 79720 GHz 50.66 dBm 18702 GHz
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 1Pk Max M1 0 dBm D1 -13.77 -10 dBm D1 -13.77 -20 dBm	im Offset 2.42 dB dB SWT 265 ms dB SWT 266 ms	8 RBW 100 kHz VBW 300 kHz	Mode Auto Swe	эер И И2	2.4 	4.97 dBm 79720 GHz 50.66 dBm 18702 GHz
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 PK Max M1 0 dBm D1 -13.77 -20 dBm D1 -13.77 -30 dBm	im Offset 2.42 dB dB SWT 265 ms dB SWT 266 ms	8 RBW 100 kHz VBW 300 kHz	2480MHz A	эер И И2	2.4 	4.97 dBm 79720 GHz 50.66 dBm 18702 GHz
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 IPk Max M1 0 dBm D1 -13.77 20 dBm D1 -13.77 -20 dBm	im Offset 2.42 dB JB SWT 265 ms 6 dBm 13 M1 M 14 United at a state of the second s	8 RBW 100 kHz 9 VBW 300 kHz 9 VBW 300 kHz 9 10 kHz 10 kHz 10 kHz 10 kHz 10 kHz 10 kHz 10 kHz	2480MHz A Mode Auto Swe M1[1] M2[1	Pep	2.4 	4.97 dBm 79720 GHz 50.66 dBm 18702 GHz
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 IPk Max M1 0 dBm 01 -13.77 20 dBm 01 -13.77 -20 dBm	im Offset 2.42 dB dB SWT 265 ms	RBW 100 kHz VBW 300 kHz	2480MHz A	Pep	2.4 	4.97 dBm 79720 GHz 50.66 dBm 18702 GHz
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 IPk Max M1 0 dBm D1 -13.77 -10 dBm D1 -13.77 -20 dBm	im Offset 2.42 dB dB SWT 265 ms	RBW 100 kHz VBW 300 kHz	2480MHz A Mode Auto Swe M1[1] M2[1	Pep	2.4 	4.97 dBm 79720 GHz 50.66 dBm 18702 GHz
Spectrum Ref Level 10.00 dB Att 30 d SGL Count 10/10 IPk Max M1 0 dBm M1 0 dBm D1 -13.77 -20 dBm -01 -13.77 -30 dBm -01 -13.77 -30 dBm -01 -13.77 -50 dBm -01 -13.77 -60 dBm -01 -13.77 -70 dBm -01 -13.77 -80 dBm -01 -13.77 -80 dBm -01 -13.77 -70 dBm -01 -13.77 -80 dBm -01 -13.77 -80 dBm -01 -13.77 -80 dBm -01 -13.77 -80 dBm -01 -13.77 -70 dBm -01 -13.77 -80 dBm -01 -13.77 -80 dBm -01 -13.77 -80 dBm -01 -13.77 -70 dBm -10 -13.77	im Offset 2.42 dB JB SWT 265 ms JB SWT 265 ms	RBW 100 kHz VBW 300 kHz	2480MHz A Mode Auto Swe M1[1] M2[1	Pep	2.4 	4.97 dBm 79720 GHz 50.66 dBm 18702 GHz

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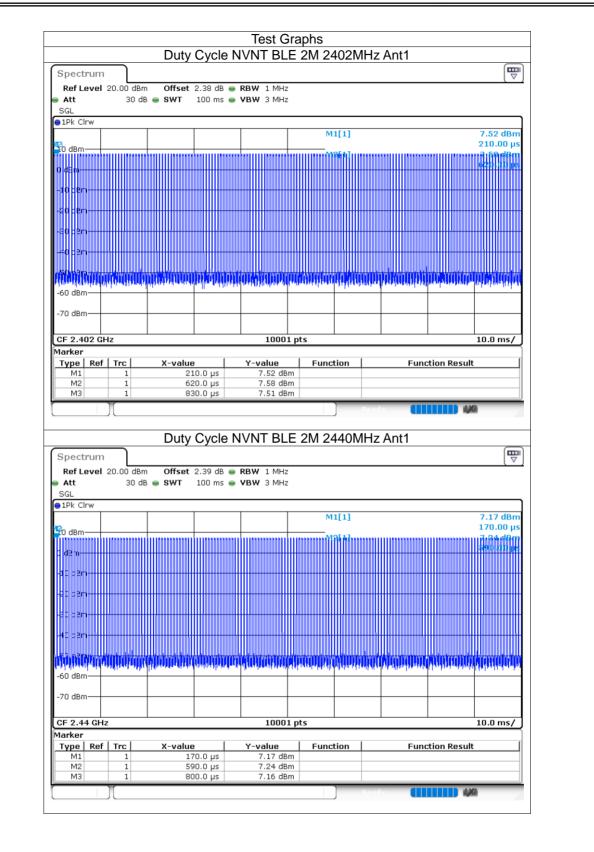


8.2 **ANT1-2M**

8.2.1 Duty Cycle

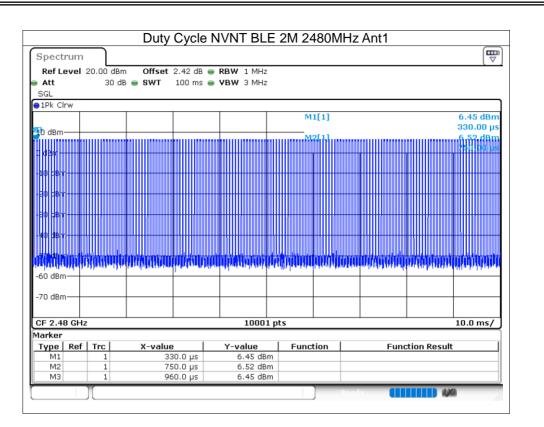
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 2M	2402	Ant1	35.21	4.53	4.76
NVNT	BLE 2M	2440	Ant1	35.21	4.53	4.76
NVNT	BLE 2M	2480	Ant1	35.2	4.54	4.76





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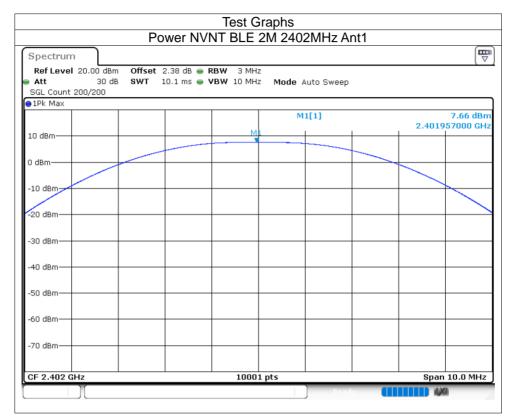


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8.2.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	7.66	30	Pass
NVNT	BLE 2M	2440	Ant1	7.29	30	Pass
NVNT	BLE 2M	2480	Ant1	6.58	30	Pass







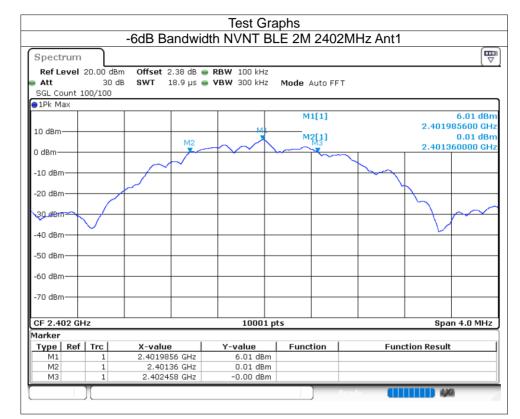
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8.2.3 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 2M	2402	Ant1	1.097	0.5	Pass
NVNT	BLE 2M	2440	Ant1	0.81	0.5	Pass
NVNT	BLE 2M	2480	Ant1	0.948	0.5	Pass







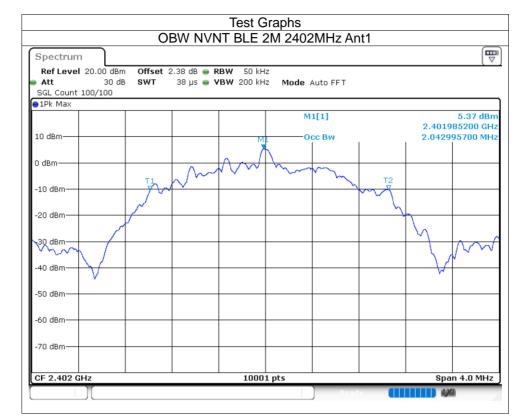
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8.2.4 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 2M	2402	Ant1	2.043
NVNT	BLE 2M	2440	Ant1	2.041
NVNT	BLE 2M	2480	Ant1	2.042









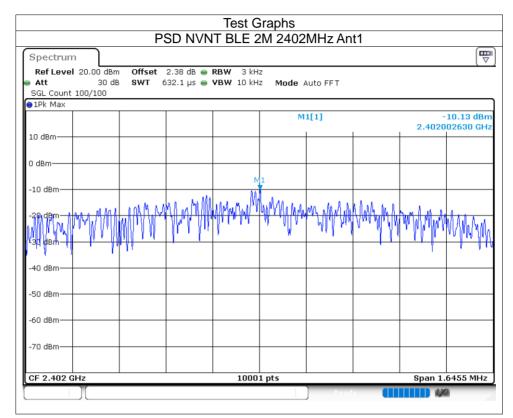
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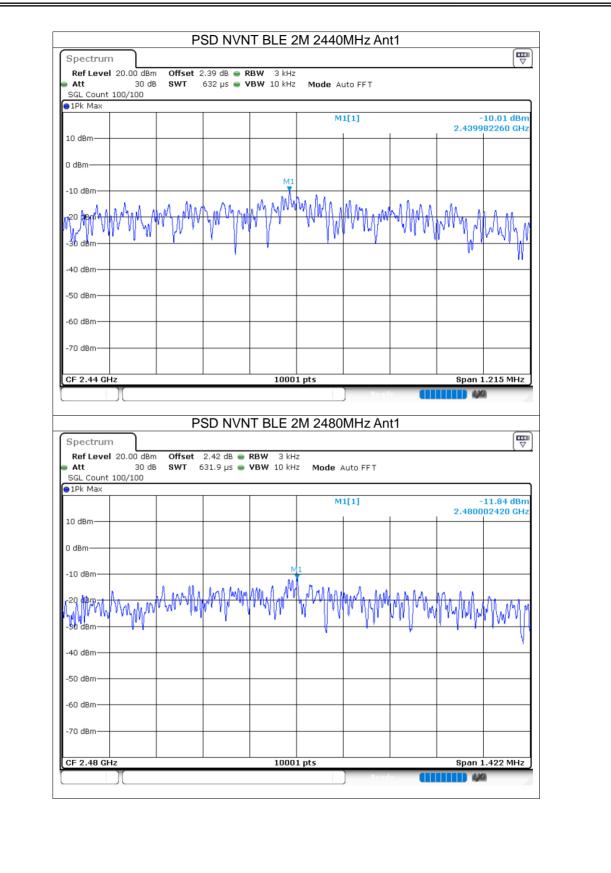


8.2.5 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	-10.13	8	Pass
NVNT	BLE 2M	2440	Ant1	-10.01	8	Pass
NVNT	BLE 2M	2480	Ant1	-11.84	8	Pass







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8.2.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 2M	2402	Ant1	-67.99	-20	Pass
NVNT	BLE 2M	2480	Ant1	-58.51	-20	Pass

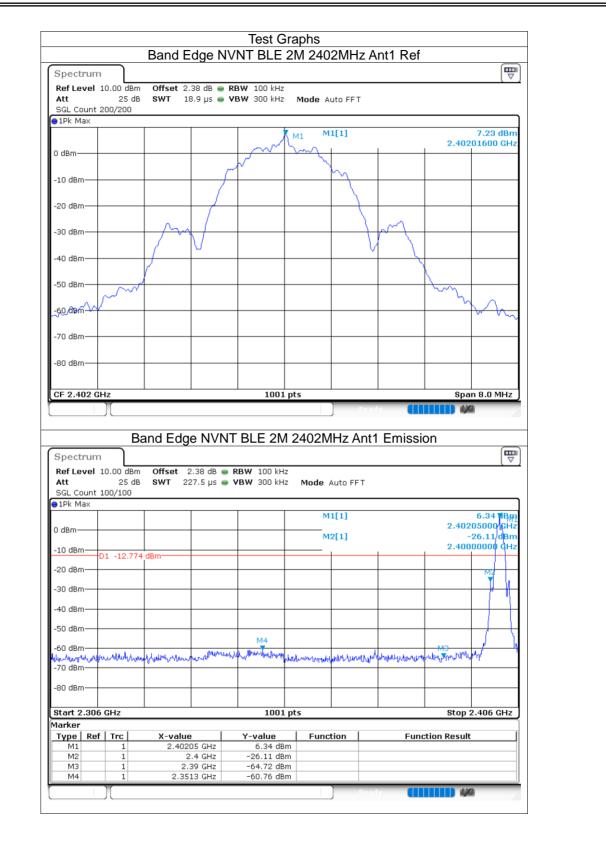


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Ref Level Att SGL Count	35 dB			RBW 100 kHz VBW 300 kHz	Mode Aut	o FFT			
1Pk Max	200/200								
					M1[1]		0.40	6.45 dBm
10 dBm				M	1			2.48	001600 GHz
0 dBm——					June				
-10 dBm			~	~	<u>}</u>	\sim			
10 000			1			λ			
-20 dBm—						<u>}</u>			
						$\langle \rangle$	~~~		
-30 dBm									
-40 dBm		5	V			V			
		/							
-50 dBm	har	1						how	\wedge
~~~~	10 ·								~~~v~~v
-60 dBm									
-70 dBm									
									an 8.0 MHz
		and Edg	e NVN	1001 T BLE 2M		Tead Iz Ant1	Emissi		
Spectrun Ref Level Att	Bi n 20.00 dBm 35 dB	Offset 2	2.42 dB 👄		2480MH		Emissi		
Spectrun Ref Level Att SGL Count	Bi n 20.00 dBm 35 dB	Offset 2	2.42 dB 👄	T BLE 2M	2480MH		Emissi		
Spectrun Ref Level Att SGL Count JPk Max	Bi n 20.00 dBm 35 dB	Offset 2	2.42 dB 👄	T BLE 2M	2480MH	to FFT	Emissi	on	6.41 dBm
Spectrun Ref Level Att SGL Count JPk Max	Bi n 20.00 dBm 35 dB	Offset 2	2.42 dB 👄	T BLE 2M	2 2 2 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3	to FFT 1]	Emissi	on 2.480	6.41 dBm 005000 GHz -53.56 dBm
Spectrun Ref Level Att SGL Count 1Pk Max	Bi n 20.00 dBm 35 dB	Offset 2	2.42 dB 👄	T BLE 2M	2 2 2 Mode Au M1[	to FFT 1]	Emissi	on 2.480	6.41 dBm 005000 GHz
Spectrum Ref Level Att SGL Count 1Pk Max 10 ¹⁰ 6m	Bi 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.42 dB 👄	T BLE 2M	2 2 2 Mode Au M1[	to FFT 1]	Emissi	on 2.480	6.41 dBm 005000 GHz -53.56 dBm
Att SGL Count 1Pk Max 10 ¹ dBm	Bi n 20.00 dBm 35 dB	Offset 2 SWT 22	2.42 dB 👄	T BLE 2M	2 2 2 Mode Au M1[	to FFT 1]	Emissi	on 2.480	6.41 dBm 005000 GHz -53.56 dBm
Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm-	Bi 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.42 dB 👄	T BLE 2M	2 2 2 Mode Au M1[	to FFT 1]	Emissi	on 2.480	6.41 dBm 005000 GHz -53.56 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 ^h dåm	Bi 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.42 dB 👄	T BLE 2M	2 2 2 Mode Au M1[	to FFT 1]	Emissi	on 2.480	6.41 dBm 005000 GHz -53.56 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 ^h dåm	Bi 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.42 dB 👄	T BLE 2M	2 2 2 Mode Au M1[	to FFT 1]	Emissi	on 2.480	6.41 dBm 005000 GHz -53.56 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 ¹ dßm 0 dßm -10 ¹ dßm -20 dßm -30 ¹ dßm -30 ¹ dßm -30 ¹ dßm	Bi 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.42 dB • 27.5 µs •	T BLE 2M	2 Mode Au Mode Au M1[	to FFT 1] 1]		0n 2.48 2.48	6.41 dBm 005000 GHz -53.56 dBm 350000 GHz
Spectrun Ref Level Att SGL Count IPk Max IPk Max O dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm	Bi 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.42 dB 👄	T BLE 2M	2 2 2 Mode Au M1[	to FFT 1] 1]		0n 2.48 2.48	6.41 dBm 005000 GHz -53.56 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -60 dBm	Bi 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.42 dB • 27.5 µs •	T BLE 2M	2 Mode Au Mode Au M1[	to FFT 1] 1]		0n 2.48 2.48	6.41 dBm 005000 GHz -53.56 dBm 350000 GHz
Spectrum Ref Level Att SGL Count IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -60 dBm	Bi 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.42 dB • 27.5 µs •	T BLE 2M	2 Mode Au Mode Au M1[	to FFT 1] 1]		0n 2.48 2.48	6.41 dBm 005000 GHz -53.56 dBm 350000 GHz
Spectrum Ref Level Att SGL Count 1Pk Max 1Pk Max 10 ¹ 06m -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm	Bi 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.42 dB • 27.5 µs •	T BLE 2M	2 Mode Au 2 Mode Au M1[ 	to FFT 1] 1]		2.480 2.480 2.480	6.41 dBm 005000 GHz -53.56 dBm 350000 GHz
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Ba 20.00 dBm 35 dB 100/100 	Offset 2 SWT 22	2.42 dB • 27.5 µs • 		2 Mode Au M1[ 	to FFT 1] 1]	նորես:Կլյար-մո 	On 2.48 2.48 2.48 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.41 dBm 005000 GHz -53.56 dBm 350000 GHz 
Spectrum Ref Level Att SGL Count IPk Max IPk Max IPk Max IPk Max IO dBm -20 dBm -20 dBm -20 dBm -30	Bi 20.00 dBm 35 dB 100/100 101 -13.554	Offset 2 SWT 22 dBm dBm m M3 m y y y y y y y y y y y y y y y y y y	2.42 dB • 27.5 µs • 	T BLE 2M	2480MH	to FFT 1] 1]	նորես:Կլյար-մո 	2.480 2.480 2.480	6.41 dBm 005000 GHz -53.56 dBm 350000 GHz 
Spectrum Ref Level Att SGL Count 10 d8m -10 d8m -20 d8m -20 d8m -30 d8m -0 d8m -70 d70 d8m -70 d8m	Ba 20.00 dBm 35 dB 100/100 -D1 -13.554 44 44 44 6 GHz 6 GHz	Offset 2 SWT 22 dBm dBm www.value x-value 2.480 2.480 2.480	2.42 dB • 2.7.5 µs •	T BLE 2M	2 Mode Au 2 Mode Au M1[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2	to FFT 1] 1]	նորես:Կլյար-մո 	On 2.48 2.48 2.48 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.41 dBm 005000 GHz -53.56 dBm 350000 GHz 

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# 8.2.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 2M	2402	Ant1	-58.49	-20	Pass
NVNT	BLE 2M	2440	Ant1	-58.32	-20	Pass
NVNT	BLE 2M	2480	Ant1	-57.21	-20	Pass

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Att SGL Count 3	10.00 dBn 30 dE 300/300			W 100 kHz W 300 kHz	Mode A	uto FFT			
1Pk Max					M1	L[1]			7.11 dBm
			$\sim$	$\sim$	M1 M1	~		2.440	01800 GHz
0 dBm						$\sim$	h~~		
-10 dBm	$- \frown$							$\sim$	
	$\sim$								
-20 dBm									
-30 dBm									
-40 dBm									
-50 dBm									
-60 dBm									
-70 dBm									
-80 dBm									
CF 2.44 GH	)[	. Spurious				) Rea 1Hz An	t1 Emiss		n 3.0 MHz )
Spectrum Ref Level Att	Tx 10.00 dBn 30 dE	n Offset 2.39	ə dB 👄 RB'	BLE 2M	2440M				
Spectrum Ref Level	Tx 10.00 dBn 30 dE	n Offset 2.39	ə dB 👄 RB'	BLE 2M	2440M Mode A	uto Swee			
Spectrum Ref Level Att SGL Count : 1Pk Max	Tx 10.00 dBn 30 dE	n Offset 2.39	ə dB 👄 RB'	BLE 2M	2440M Mode A			ion	
Spectrum Ref Level Att SGL Count : IPk Max 0 dBm	Tx 10.00 dBn 30 dE 10/10	n Offset 2.3 3 SWT 265	ə dB 👄 RB'	BLE 2M	Mode A	uto Swee		ion	0.09 dBm 2.4500 GHz 51.22 dBm
Spectrum Ref Level Att SGL Count : JIPk Max 0 dBm -10 dBm	Tx 10.00 dBn 30 dE 10/10	n Offset 2.3 3 SWT 265	ə dB 👄 RB'	BLE 2M	Mode A	uto Swee		ion	0.09 dBm 2.4500 GHz
Spectrum Ref Level Att SGL Count 3 1Pk Max 0 dBm -10 dBm -20 dBm	Tx 10.00 dBn 30 dE 10/10	n Offset 2.3 3 SWT 265	ə dB 👄 RB'	BLE 2M	Mode A	uto Swee		ion	0.09 dBm 2.4500 GHz 51.22 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm	Tx 10.00 dBn 30 dE 10/10	n Offset 2.3 3 SWT 265	ə dB 👄 RB'	BLE 2M	Mode A	uto Swee		ion	0.09 dBm 2.4500 GHz 51.22 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx 10.00 dBm 30 dE 10/10	n Offset 2.33	9 dB ● RB 5 ms ● VB	BLE 2M	Mode A	uto Swee	p		0.09 dBm 2.4500 GHz 51.22 dBm 5.3620 GHz
Spectrum Ref Level Att SGL Count : IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Tx 10.00 dBm 30 dE 10/10	n Offset 2.33	9 dB ● RB 5 ms ● VB	BLE 2M	Mode A	uto Swee	p		0.09 dBm 2.4500 GHz 51.22 dBm 5.3620 GHz
Spectrum Ref Level Att SGL Count : 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx 10.00 dBm 30 dE 10/10	n Offset 2.3 3 SWT 265	9 dB ● RB 5 ms ● VB	BLE 2M	Mode A	uto Swee	p		0.09 dBm 2.4500 GHz 51.22 dBm 5.3620 GHz
Spectrum Ref Level ) Att SGL Count : SGL Count : IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Tx 10.00 dBm 30 dE 10/10	n Offset 2.33	9 dB ● RB 5 ms ● VB	BLE 2M	Mode A	uto Swee	p		0.09 dBm 2.4500 GHz 51.22 dBm 5.3620 GHz
Spectrum Ref Level a Att SGL Count : SGL Count : SGL Count : M1 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Tx 10.00 dBm 30 dE 10/10	n Offset 2.33	9 dB ● RB 5 ms ● VB	BLE 2M	Mode A	uto Swee	p		0.09 dBm 2.4500 GHz 51.22 dBm 5.3620 GHz
Spectrum Ref Level o Att SGL Count : SGL Count : SGL Count : IPk Max M1 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -80 dBm	Tx 10.00 dBn 30 dE 10/10 01 -12.894	n Offset 2.33	9 dB ● RB 5 ms ● VB	BLE 2M	Mode A Mode A M1	uto Swee	p	ion ::	0.09 dBm 2.4500 GHz 51.22 dBm 5.3620 GHz
Spectrum Ref Level Att SGL Count : SGL Count : SGL Count : IPk Max M1 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -80 dBm -80 dBm	Tx 10.00 dBn 30 dE 10/10 01 -12.894	n Offset 2.33	9 dB ● RB 5 ms ● VB	BLE 2M	Mode A Mode A M1	uto Swee	p	ion ::	0.09 dBm 2.4500 GHz 51.22 dBm 5.3620 GHz
Spectrum Ref Level ) Att SGL Count : ) IPk Max ) IPk Max ) U dBm -10 dBm -20 dBm -20 dBm -40 dBm -40 dBm -70 dBm -70 dBm -70 dBm -80 dBm Start 30.0 M Aarker Type Ref	Tx 10.00 dBm 30 dE 10/10 D1 -12.894 01 -12.894 01 -12.894 01 -12.894 01 -12.894	dBm	9 dB • RB 5 ms • VB	BLE 2M	Mode A Mode A M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	L[1] 2[1] M2		ion ::	0.09 dBm 2.4500 GHz 51.22 dBm 5.3620 GHz
Spectrum Ref Level SGL Count : SGL Count : SGL Count : SGL Count : SGL Count : SGL Count : SGL Count : Provide Count : Start 30.0 M Control Count : Start 30.0 M Start 30.0 M Sta	Тх 10.00 dBn 30 df 10/10 01 -12.894 01 -12.894 Маз маз маз маз маз маз маз маз м	A Offset 2.39 SWT 265 dBm dBm M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	GHz GHz	BLE 2M w 100 kHz w 300 kHz i 300 kHz i 100 kHz i 1	ا 2440N Mode ۸ 	L[1] 2[1] M2		ion 	0.09 dBm 2.4500 GHz 51.22 dBm 5.3620 GHz
Spectrum Ref Level ) Att SGL Count : SGL Count : SGL Count : IPk Max M1 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -80 dBm -80 dBm -80 dBm -70 dB	Tx 10.00 dBn 30 dE 10/10 01 -12.894 01 -12.894 M42 MHz MHz	M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	B dB  RB RB MS VB	BLE 2M	ا 2440N Mode A M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	L[1] 2[1] M2		ion 	0.09 dBm 2.4500 GHz 51.22 dBm 5.3620 GHz

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Ref Level Att	10.00 dBm 30 dB			<b>BW</b> 100 kHz <b>/BW</b> 300 kHz	z 2 <b>Mode</b> Au	ito FFT			
SGL Count 3 1Pk Max	00/300								
					M1 M1[	[1]		2.480	6.31 dBm 01500 GHz
0 dBm		~				$\sim$	-		
-10 dBm	$- \frown$	~						$\sim$	
-20 dBm									
-30/dBm									
-40 dBm									
-50 dBm									
-60 dBm									
-70 dBm									
-80 dBm									
CF 2.48 GHz	2			1001	pts			Spa	n 3.0 MHz
Ref Level Att	10.00 dBm 30 dB	Offset 2	.42 dB 👄 R	<b>BW</b> 100 kHz	/ 2480M			ion	
Ref Level Att SGL Count 1	10.00 dBm 30 dB	Offset 2	.42 dB 👄 R	<b>BW</b> 100 kHz	z Mode Au	ito Sweep		on	
Ref Level Att SGL Count 1 1Pk Max	10.00 dBm 30 dB	Offset 2	.42 dB 👄 R	<b>BW</b> 100 kHz	2 2 <b>Mode</b> Au M1[	uto Sweep [1]			4.85 dBm 2.4760 GHz
Ref Level Att SGL Count 1 1Pk Max 0 dBm	10.00 dBm 30 dB .0/10	Offset 2 SWT 2	.42 dB 👄 R	<b>BW</b> 100 kHz	z Mode Au	uto Sweep [1]			4.85 dBm
Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm	10.00 dBm 30 dB 0/10	Offset 2 SWT 2	.42 dB 👄 R	<b>BW</b> 100 kHz	2 2 <b>Mode</b> Au M1[	uto Sweep [1]			4.85 dBm 2.4760 GHz 50.90 dBm
Ref Level Att SGL Count 1 PR Max 0 dBm -10 dBm -20 dBm -30 dBm	10.00 dBm 30 dB 0/10	Offset 2 SWT 2	.42 dB 👄 R	<b>BW</b> 100 kHz	2 2 <b>Mode</b> Au M1[	uto Sweep [1]			4.85 dBm 2.4760 GHz 50.90 dBm
Ref Level Att SGL Count 1 PR Max 0 dBm -10 dBm -20 dBm -30 dBm	10.00 dBm 30 dB 0/10 11 -13.686	Offset 2 SWT 2	.42 dB ● R 265 ms ● V	28W 100 kHz 78W 300 kHz	2 Mode Au M1[ 	(1)		10	4.85 dBm 2.4760 GHz 50.90 dBm 5.3620 GHz
Ref Level           Att           SGL Count 1           1Pk Max           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	10.00 dBm 30 dB 0/10	Offset 2 SWT 2	.42 dB 👄 R	28W 100 kHz 78W 300 kHz	2 Mode Au M1[ 	(1)		10	4.85 dBm 2.4760 GHz 50.90 dBm 5.3620 GHz
Att           SGL Count 1           JIPk Max           0 dBm           -10 dBm           -20 dBm           -30 dBm	10.00 dBm 30 dB 0/10 11 -13.686	Offset 2 SWT 2	.42 dB ● R 265 ms ● V	28W 100 kHz 78W 300 kHz	2 Mode Au M1[ 	(1)		10	4.85 dBm 2.4760 GHz 50.90 dBm 5.3620 GHz
Ref Level           Att           SGL Count 1           IPk Max           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -70 dBm	10.00 dBm 30 dB 0/10 11 -13.686	Offset 2 SWT 2	.42 dB ● R 265 ms ● V	28W 100 kHz 78W 300 kHz	2 Mode Au M1[ 	(1)		10	4.85 dBm 2.4760 GHz 50.90 dBm 5.3620 GHz
Ref Level           Att           SGL Count 1           IPk Max           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm	10.00 dBm 30 dB 0/10 41 	Offset 2 SWT 2	.42 dB ● R 265 ms ● V	28W 100 kHz 78W 300 kHz	2 2 Mode Au M1[ 	(1)		t 1 http://ghakka	4.85 dBm 2.4760 GHz 50.90 dBm 5.3620 GHz
Ref Level           Att           SGL Count 1           IPk Max           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -60 dBm           -70 dBm           -80 dBm           -80 dBm	10.00 dBm 30 dB 0/10 11 -13.686	Offset 2 SWT 2 dBm	.42 dB	28W 100 kHz /8W 300 kHz	2 2 Mode Au M1[ 	11 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	)                   	t 1 http://ghakka	4.85 dBm 2.4760 GHz 50.90 dBm 5.3620 GHz
Ref Level           Att           SGL Count 1           1Pk Max           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -50 dBm           -50 dBm           -60 dBm           -70 dBm           -70 dBm           -70 dBm           -70 dBm           -70 dBm           -80 dBm           -80 dBm           -70 dBm           -70 dBm           -70 dBm	10.00 dBm 30 dB 0/10 11 -13.686 11 -13.686 11 -13.686	Offset 2 SWT 2 dBm dBm	.42 dB ● R 265 ms ● V	2BW 100 kH2 2BW 300 kH2 2BW 30	2 2 Mode Au M1[ M2[ M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2	11 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	)                   	10 Julian Julian Julian Stop	4.85 dBm 2.4760 GHz 50.90 dBm 5.3620 GHz
Ref Level           Att           SGL Count 1           IPk Max           0 dBm           10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -50 dBm           -50 dBm           -60 dBm           -70 dBm           -80 dBm           -80 dBm           -70 dBm           -80 dBm           -80 dBm           -70 dBm           -80 dBm           -80 dBm           -70 dBm	10.00 dBm 30 dB 0/10 11 -13.686 11 -13.686 11 -13.686 11 -13.686	Offset 2 SWT 2 dBm dBm X-value 2.47 16.36 4.84 7.415	.42 dB   R	2BW 100 kH2 /BW 300 kH2 /BW 300 kH2 /BW 300 kH2 /BW 300 kH2 /BW 300 kH2 /BW 100 kH2 /BW 100 kH2 /BW 100 kH2 /BW 100 kH2 /BW 300 kH2 /BW 3	2 2 Mode Au M1[ 	11 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	)                   	10 Julian Julian Julian Stop	4.85 dBm 2.4760 GHz 50.90 dBm 5.3620 GHz
Ref Level           Att           SGL Count 1           1Pk Max           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -50 dBm           -50 dBm           -50 dBm           -70 dBm           -70 dBm           -70 dBm           -80 dBm           Marker           Type           M1           M2           M3           M4	10.00 dBm 30 dB 0/10 11 -13.686 11 -13.686 11 -13.686 11 -13.686 11 -13.686 11 -13.686	Offset 2 SWT 2 dBm dBm X-value 2.47 16.36 4.84 7.415	.42 dB   R  A55 ms  V	BW 100 kHz BW 300 kHz BW 300 kHz CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRA	2 2 Mode Au M1[ 	11 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	)                   	10 Julian Julian Julian Stop	4.85 dBm 2.4760 GHz 50.90 dBm 5.3620 GHz
Ref Level           Att           SGL Count 1           1Pk Max           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -50 dBm           -50 dBm           -50 dBm           -70 dBm           -70 dBm           -70 dBm           -80 dBm           Marker           Type           M1           M2           M3           M4	10.00 dBm 30 dB 0/10 11 -13.686 11 -13.686 11 -13.686 11 -13.686 11 -13.686 11 -13.686	Offset 2 SWT 2 dBm dBm X-value 2.47 16.36 4.84 7.415	.42 dB   R  A55 ms  V	BW 100 kHz BW 300 kHz BW 300 kHz CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRA	2 2 Mode Au M1[ 	11 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	)                   	10 Julian Julian Julian Stop	4.85 dBm 2.4760 GHz 50.90 dBm 5.3620 GHz

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