



FCC Radio Test Report

FCC ID: 2AF82-BXP350

Report No. : BTL-FCCP-2-2408T098

Equipment : Box PC
Model Name : BXP-350
Brand Name : Qbic

Applicant: Qbic Technology Co., Ltd.

Address : 26F.-12, NO.99, SEC. 1, XINTAI 5TH RD., XIZHI DIST., NEW TAIPEI CITY

22175, TAIWAN

Radio Function : Bluetooth Low Energy

FCC Rule Part(s) : FCC CFR Title 47, Part 15, Subpart C (15.247)

Measurement

: ANSI C63.10-2013

Procedure(s)

Date of Receipt : 2024/8/21

Date of Test : 2024/9/9 ~ 2024/9/26

Issued Date : 2024/10/8

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

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TAF

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** assumes no responsibility for the data provided by the Customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by **BTL**.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2408T098	R00	Original Report.	2024/10/8	Valid

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SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	Pass	
15.205 15.209 15.247(d)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	Pass	
15.247(a)(2)	Bandwidth	APPENDIX E	Pass	
15.247(b)(3)	Output Power	APPENDIX F	Pass	
15.247(e)	Power Spectral Density	APPENDIX G	Pass	
15.247(d)	Antenna conducted Spurious Emission	APPENDIX H	Pass	
15.203	Antenna Requirement		Pass	

Statement of Conformity

The statement of conformity is based on the binary decision rule according to IEC Guide 115 and ILAC G8 "simple acceptance" principle. Without considering measurement uncertainty, its specific risk is less than 50% PFA. (PFA: Probability of False Accept)

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.(2) The report format version is TP.1.1.1.

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1.1 TEST FACILITY

The test locations stated below are under the TAF Accreditation Number 0659.

The test location(s) used to collect the test data in this report are:

No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan

(FCC DN: TW0030)

□ C03 ⊠ CB18 □ CB19

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

(FCC DN: TW0659)

□ C05 □ CB08 □ CB11 □ SR10 ☒ SR11

No. 68-2, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

(FCC DN: TW0659)

□ CB12 ⊠ SR05

No. 72, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

(FCC DN: TW0659)

□ C06 ⊠ CB21 □ CB22

1.2 MEASUREMENT UNCERTAINTY

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

A. AC power line conducted emissions test:

ĺ	Test Site	Method	Measurement Frequency Range	U (dB)
ĺ	SR05	CISPR	150 kHz ~ 30MHz	3.44

B. Radiated emissions test:

Test Site	Measurement Frequency Range	U (dB)
CB21	0.03 GHz ~ 0.2 GHz	4.17
CBZT	0.2 GHz ~ 1 GHz	4.72

Test Site	Measurement Frequency Range	U (dB)
	1 GHz ~ 6 GHz	4.62
CB18	1 GHz ~ 6 GHz	4.62
CB16	6 GHz ~ 18 GHz	4.24
	6 GHz ~ 18 GHz	4.06

C. Conducted test:

1 1001 1				
Test Item	U (dB)			
Occupied Bandwidth	0.5334			
Output power	0.3669			
Power Spectral Density	0.6591			
Conducted Spurious emissions	0.5416			
Conducted Band edges	0.5348			

NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.





1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	26 °C, 42 %	AC 120V	Ken Lan
Radiated emissions below 1 GHz	Refer to data	AC 120V	Emily Chang
Radiated emissions above 1 GHz	Refer to data	AC 120V	Sean Huang
Bandwidth	25.3 °C, 49 %	AC 120V	Ken Lan
Output Power	25.3 °C, 49 %	AC 120V	Ken Lan
Power Spectral Density	25.3 °C, 49 %	AC 120V	Ken Lan
Antenna conducted Spurious Emission	25.3 °C, 49 %	AC 120V	Ken Lan

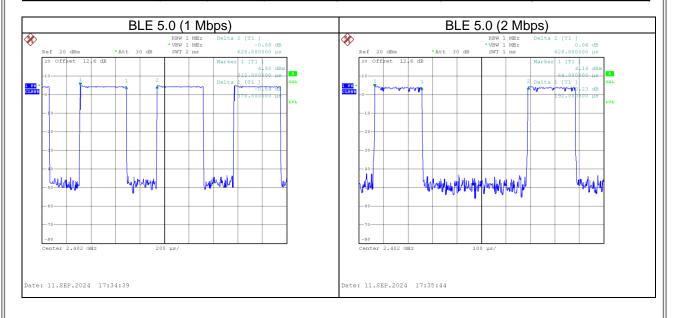
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1.4 DUTY CYCLE

If duty cycle is \geq 98 %, duty factor is not required. If duty cycle is < 98 %, duty factor shall be considered.

Remark	Delta 2			Delta 3	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
BLE 5.0 (1 Mbps)	0.376	1	0.376	0.628	59.87%	2.23
BLE 5.0 (2 Mbps)	0.192	1	0.192	0.628	30.57%	5.15





2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

- , ,	In
Equipment	Box PC
Model Name	BXP-350
Brand Name	Qbic
Model Difference	N/A
Power Source	DC Voltage supplied from AC/DC adapter.
	EUT: DC 12V, 2.5A
Power Rating	For Adapter
-	I/P: 100-240V~, 50-60Hz, 0.9A Max
	O/P: DC 12.0V, 2.5A 30.0W
Products Covered	1 * Adapter: APD / WA-30P12R
Operation Band	2400 MHz ~ 2483.5 MHz
Operation Frequency	2402 MHz ~ 2480 MHz
Modulation Technology	GFSK
Transfer Rate	1 Mbps, 2 Mbps
Output Power Max.	1 Mbps: 7.83 dBm (0.0061 W)
Output Power Max.	2 Mbps: 8.18 dBm (0.0066 W)
Test Software Version	ADB
Test Model	BXP-350
Sample Status	Engineering Sample
EUT Modification(s)	N/A

NOTE:

(1) The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

(2) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

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(3) Table for Filed Antenna:

Antenna	Manufacture	Model name	Туре	Connector	Frequency (MHz)	Gain (dBi)
1	Joymax	TWX-100BRS3B-1 242	Dipole	RP SMA Plug	2400-2500	2.08

(4) The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

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2.2 TEST MODES

Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal/Idle	-	-
Transmitter Radiated Emissions (below 1GHz)	2 Mbps	00	-
Transmitter Radiated Emissions	1/2 Mbps	00/39	Bandedge
(above 1GHz)	1/2 Mbps	00/19/39	Harmonic
Transmitter Radiated Emissions (above 18GHz)	2 Mbps	00	-
Bandwidth	1/2 Mbps	00/19/39	-
Output Power	1/2 Mbps	00/19/39	-
Power Spectral Density	1/2 Mbps	00/19/39	-
Antenna conducted Spurious Emission	1/2 Mbps	00/19/39	-

- (1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Horizontal) is recorded.
 (2) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.
 (3) The EUT supports both BLE 4.0 and 5.0, we will pick BLE 5.0 for testing.

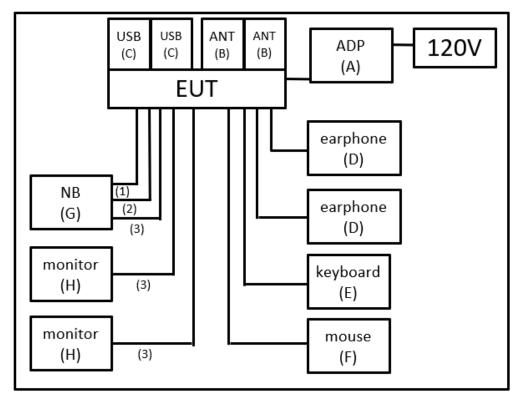
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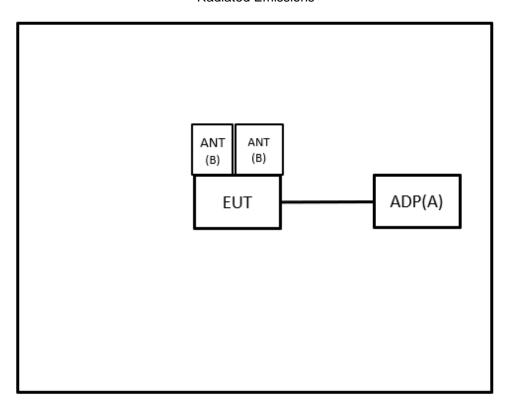
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.

AC power line conducted emissions



Radiated Emissions



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2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
Α	ADP	WA-30P12R	N/A	N/A	Supplied by test requester
В	ANT	N/A	N/A	N/A	Supplied by test requester
С	USB	N/A	N/A	N/A	Furnished by test lab.
D	Earphone	N/A	N/A	N/A	Furnished by test lab.
E	Keyboard	N/A	N/A	N/A	Furnished by test lab.
F	Mouse	N/A	N/A	N/A	Furnished by test lab.
G	NB	N/A	N/A	N/A	Furnished by test lab.
Н	Monitor	N/A	N/A	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	0.7m	Lan	Furnished by test lab.
2	N/A	N/A	0.7m	Type-C	Furnished by test lab.
3	N/A	N/A	2m	HDMI	Furnished by test lab.

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3 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency	Limit (dBμV)		
(MHz)	Quasi-peak	Average	
0.15 - 0.5	66 - 56 *	56 - 46 *	
0.50 - 5.0	56	46	
5.0 - 30.0	60	50	

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

Reading Level (dBµV)		Correct Factor (dB)		Measurement Value (dBµV)
38.22	+	3.45	=	41.67

Measurement Value		Limit Value		Margin Level
(dBµV) 41.67	_	(dBµV) 60	_	(dB) -18.33

The following table is the setting of the receiver.

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
 - All other support equipment were powered from an additional LISN(s).
 - The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle to keep the cable above 40 cm.
- c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.
 - The end of the cable will be terminated, using the correct terminating impedance.
 - The overall length shall not exceed 1 m.
- d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
- e. For the actual test configuration, please refer to the related Item EUT TEST PHOTO.

NOTE:

- (1) In the results, each reading is marked as Peak, QP or AVG per the detector used. BW=9 kHz (6 dB Bandwidth)
- (2) All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.

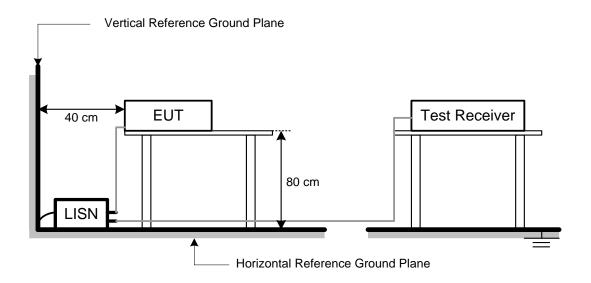
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3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 TEST RESULT

Please refer to the APPENDIX A.



4 RADIATED EMISSIONS TEST

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205, then the 15.209 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF RADIATED EMISSIONS MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Radiated (dBu	Measurement Distance	
(IVITIZ)	Peak	Average	(meters)
Above 1000	74	54	3

NOTE:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

Reading Level (dBµV)		Correct Factor (dB/m)		Measurement Value (dBµV/m)
41.91	+	-8.36	II	33.55

Measurement Value (dBµV/m)		Limit Value (dBµV/m)		Margin Level (dB)
33.55	-	43.50	=	-9.95

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW	1MHz / 3MHz for Peak,
(Emission in restricted band)	1MHz / 1/T for Average

Spectrum Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

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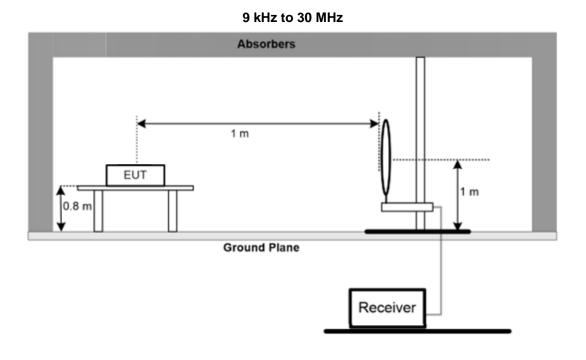
4.2 TEST PROCEDURE

- a. The measuring distance of 1 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 30MHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- c. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- d. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, 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.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- f. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- g. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- h. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- i. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- j. For the actual test configuration, please refer to the related Item EUT TEST PHOTO.

4.3 DEVIATION FROM TEST STANDARD

No deviation.

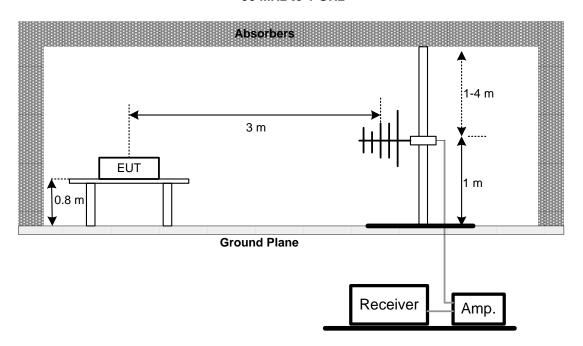
4.4 TEST SETUP



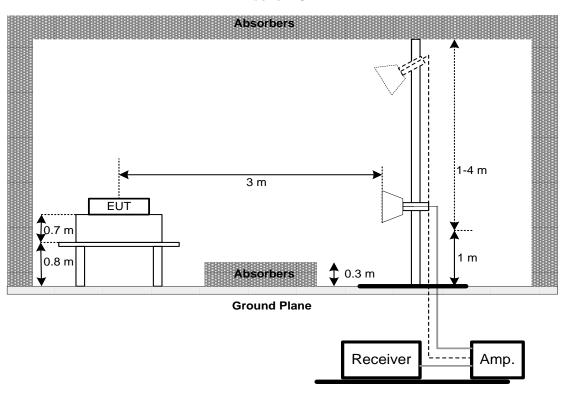
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30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.



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4.6	TEST RESULT – 9 KHZ TO 30 MHZ	
Plea	e refer to the APPENDIX B.	
4.7	TEST RESULT – 30 MHZ TO 1 GHZ	
Plea	e refer to the APPENDIX C.	
4.8	TEST RESULT – ABOVE 1 GHZ	
Plea	e refer to the APPENDIX D.	
NO ⁻	i: (1) No limit: This is fundamental signal, the judgment is not applica For fundamental signal judgment was referred to Peak output to	ble. est.

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5 BANDWIDTH TEST

5.1 APPLIED PROCEDURES / LIMIT

Section	Test Item	Limit	Frequency Range (MHz)	Result
15 247(2)(2)	Pandwidth	>= 500KHz	2400-2483.5	PASS
15.247 (a)(2)	15.247(a)(2) Bandwidth		2400-2463.3	PASS

5.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

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6 OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Maximum Output Power	1 watt or 30dBm	2400-2483.5	PASS

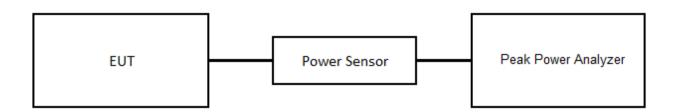
6.2 TEST PROCEDURE

- a. The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below,
- b. The maximum peak conducted output power was performed in accordance with FCC KDB 558074 D01 15.247 Meas Guidance.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

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7 POWER SPECTRAL DENSITY TEST

7.1 APPLIED PROCEDURES / LIMIT

Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

7.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW=3KHz, VBW=10 KHz, Sweep time = auto.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

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8 ANTENNA CONDUCTED SPURIOUS EMISSION

8.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits.

8.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 10 ms.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP

EUT SPECTRUM ANALYZER

8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

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9 LIST OF MEASURING EQUIPMENTS

	AC Power Line Conducted Emissions					
Iter	m Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	TWO-LINE V-NETWORK	R&S	ENV216	101497	2024/5/20	2025/5/19
2	Test Cable	EMCI	EMC400-BM-BM- 5000	170501	2024/7/31	2025/7/30
3	EMI Test Receiver	R&S	ESR3	102950	2024/4/12	2025/4/11
4	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

	Radiated Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC330N	980850	2024/9/5	2025/9/4
2	Preamplifier	EMCI	EMC001340	980579	2024/9/4	2025/9/3
3	Test Cable	EMCI	EMC104-SM-100 0	180809	2024/3/8	2025/3/7
4	Test Cable	EMCI	EMC104-SM-SM- 3000	220322	2024/3/8	2025/3/7
5	Test Cable	EMCI	EMC104-SM-SM- 7000	220324	2024/3/8	2025/3/7
6	EXA Signal Analyzer	keysight	N9020B	MY57120120	2024/2/23	2025/2/22
7	Loop Ant	Electro-Metrics	EMCI-LPA600	291	2024/9/9	2025/9/8
8	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2024/6/14	2025/6/13
9	6dB Attenuator	EMCI	EMCI-N-6-06	AT-06001	2024/6/14	2025/6/13
10	Preamplifier	EMCI	EMC12630SE	980577	2023/9/20	2024/9/19
11	Pre-Amplifier	EMCI	EMC012645SE	980410	2023/9/20	2024/9/19
12	Test Cable	EMCI	EMC104-SM-SM- 1500	210630	2023/9/20	2024/9/19
13	Test Cable	EMCI	EMC104-SM-SM- 3000	170204	2023/9/20	2024/9/19
14	Test Cable	EMCI	EMC104-SM-SM- 7000	240110	2024/1/30	2025/1/29
15	EXA Signal Analyzer	keysight	N9020B	MY60112534	2024/5/2	2025/5/1
16	Horn Antenna	RFSPIN	BBHA-9120D	9120D-1297	2023/11/21	2024/11/20
17	Horn Ant	Broad-Band Horn	BBHA 9170	764	2024/7/4	2025/7/3
18	Test Cable	EMCI	EMC120-KM-KM- 3300	181204	2023/9/19	2024/9/18
19	Test Cable	EMCI	EMC120-KM-KM- 1000	150805	2023/9/19	2024/9/18
20	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A



			Bandwidth			
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2024/3/27	2025/3/26

			Output Power			
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Peak Power Analyzer	Keysight	8990B	MY51000517	2024/3/12	2025/3/11
2	Power Sensor	Anritsu	MA2411B	1126001	2024/5/11	2025/5/10

		F	ower Spectral De	nsity		
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2024/3/27	2025/3/26

		Antenna	conducted Spurio	ous Emission		
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2024/3/27	2025/3/26

Remark: "N/A" denotes no model name, no serial no. or no calibration specified. All calibration period of equipment list is one year.

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10 EUT TEST PHOTO
Please refer to document Appendix No.: TP-2408T098-FCCP-1 (APPENDIX-TEST PHOTOS).
11 EUT PHOTOS
Please refer to document Appendix No.: EP-2408T098-1 (APPENDIX-EUT PHOTOS).

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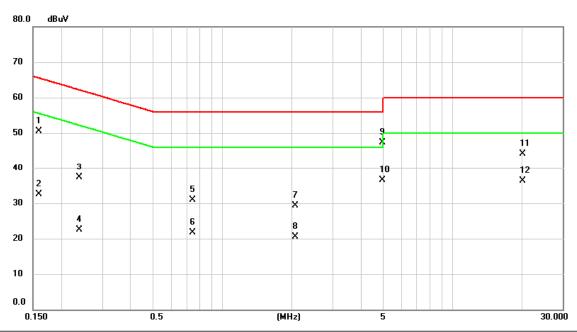


APPENDIX A	AC POWER LINE CONDUCTED EMISSIONS

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Test Mode	Normal	Tested Date	2024/9/13
Test Frequency	-	Phase	Line

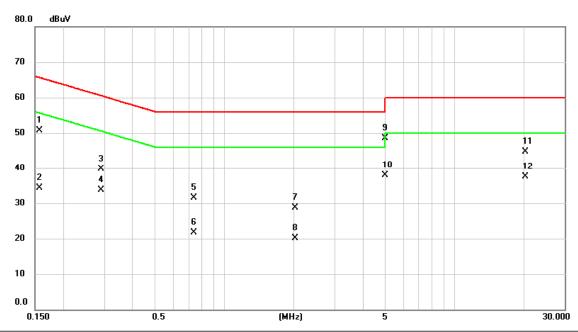


No. M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBu∨	dB	dBu∨	dBu∨	dB	Detector	Comment
1	0.1590	40.84	9.59	50.43	65.52	-15.09	QР	
2	0.1590	22.87	9.59	32.46	55.52	-23.06	AVG	
3	0.2378	27.72	9.59	37.31	62.17	-24.86	QP	
4	0.2378	12.88	9.59	22.47	52.17	-29.70	AVG	
5	0.7417	21.22	9.60	30.82	56.00	-25.18	QP	
6	0.7417	12.15	9.60	21.75	46.00	-24.25	AVG	
7	2.0760	19.72	9.64	29.36	56.00	-26.64	QP	
8	2.0760	10.86	9.64	20.50	46.00	-25.50	AVG	
9 *	4.9718	37.45	9.78	47.23	56.00	-8.77	QP	
10	4.9718	26.63	9.78	36.41	46.00	-9.59	AVG	
11	20.1143	33.82	10.24	44.06	60.00	-15.94	QP	
12	20.1143	26.09	10.24	36.33	50.00	-13.67	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test Mode	Normal	Tested Date	2024/9/13
ı	Test Frequency	-	Phase	Neutral

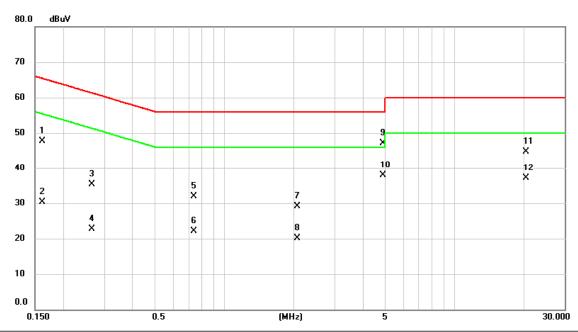


No. M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBu∨	dB	dBu∨	dBu∨	dB	Detector	Comment
1	0.1568	41.13	9.57	50.70	65.63	-14.93	QР	
2	0.1568	24.71	9.57	34.28	55.63	-21.35	AVG	
3	0.2895	30.03	9.58	39.61	60.54	-20.93	QP	
4	0.2895	24.20	9.58	33.78	50.54	-16.76	AVG	
5	0.7395	21.94	9.60	31.54	56.00	-24.46	QP	
6	0.7395	12.18	9.60	21.78	46.00	-24.22	AVG	
7	2.0288	19.03	9.65	28.68	56.00	-27.32	QP	
8	2.0288	10.48	9.65	20.13	46.00	-25.87	AVG	
9 *	4.9920	38.75	9.81	48.56	56.00	-7.44	QP	
10	4.9920	28.09	9.81	37.90	46.00	-8.10	AVG	
11	20.2268	34.35	10.41	44.76	60.00	-15.24	QP	
12	20.2268	27.15	10.41	37.56	50.00	-12.44	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode	Idle	Tested Date	2024/9/13
Test Frequency	-	Phase	Line

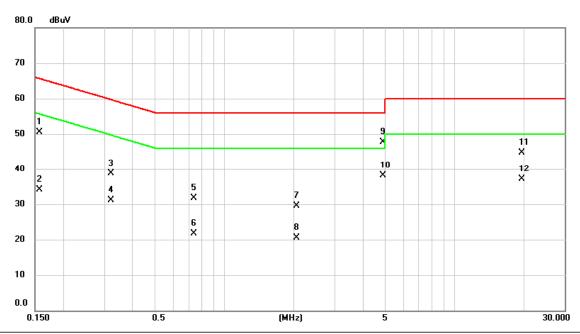


No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBu∨	dB	dBu∨	dBu∨	dB	Detector	Comment
1	0.1613	38.11	9.59	47.70	65.40	-17.70	QP	
2	0.1613	20.69	9.59	30.28	55.40	-25.12	AVG	
3	0.2647	25.74	9.59	35.33	61.28	-25.95	QP	
4	0.2647	13.12	9.59	22.71	51.28	-28.57	AVG	
5	0.7395	22.29	9.60	31.89	56.00	-24.11	QP	
6	0.7395	12.46	9.60	22.06	46.00	-23.94	AVG	
7	2.0738	19.44	9.64	29.08	56.00	-26.92	QP	
8	2.0738	10.40	9.64	20.04	46.00	-25.96	AVG	
9	4.9020	37.35	9.78	47.13	56.00	-8.87	QP	
10 *	4.9020	28.13	9.78	37.91	46.00	-8.09	AVG	
11	20.3753	34.52	10.23	44.75	60.00	-15.25	QP	
12	20.3753	26.96	10.23	37.19	50.00	-12.81	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode	Idle	Tested Date	2024/9/13
Test Frequency	-	Phase	Neutral



No. N	Иk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBu∨	dB	dBu∨	dBu∨	dB	Detector	Comment
1		0.1568	41.01	9.57	50.58	65.63	-15.05	QР	
2		0.1568	24.63	9.57	34.20	55.63	-21.43	AVG	
3		0.3210	29.09	9.58	38.67	59.68	-21.01	QP	
4		0.3210	21.59	9.58	31.17	49.68	-18.51	AVG	
5		0.7395	22.12	9.60	31.72	56.00	-24.28	QP	
6		0.7395	12.08	9.60	21.68	46.00	-24.32	AVG	
7		2.0558	19.95	9.65	29.60	56.00	-26.40	QP	
8		2.0558	10.79	9.65	20.44	46.00	-25.56	AVG	
9		4.9020	37.85	9.81	47.66	56.00	-8.34	QP	
10 *	*	4.9020	28.26	9.81	38.07	46.00	-7.93	AVG	
11		19.5405	34.30	10.39	44.69	60.00	-15.31	QP	
12		19.5405	26.67	10.39	37.06	50.00	-12.94	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



APPENDIX B	RADIATED EMISSIONS - 9 KHZ TO 30 MHZ

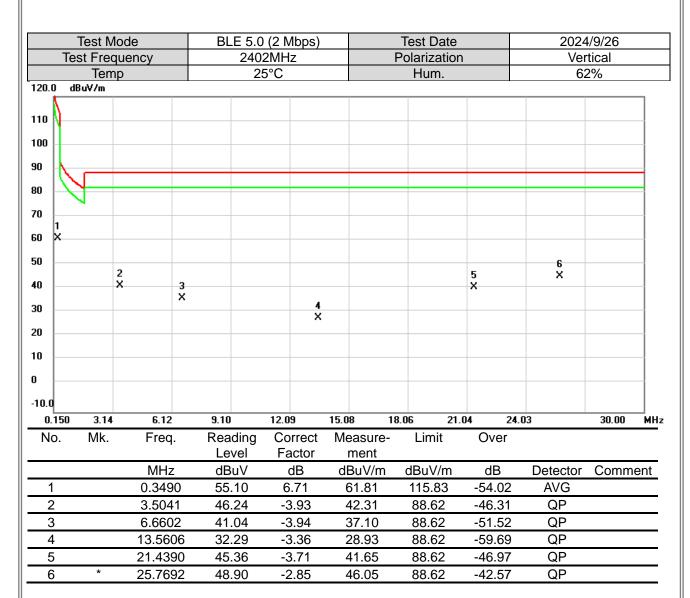
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Test Mod	de	BLE 5.0) (2 Mbps)		Test Date		2024	1/9/26		
Test Frequency					Polarization			Vertical		
Temp		2	5°C		Hum.		62	2%		
BuV/m						1			_	
									+	
									_	
									1	
									+	
									4	
				1					1	
				*					-	
								0.15	MH	
Mk.	Freq.				Limit	Over				
	MHz				dBu\//m	ЧB	Detector	Comm	ont	
*	0.0740	35.80	19.91	55.71	129.30	-73.59	AVG	COMMI	CIIL	
	Temp BuV/m 0.02 Mk.	Temp BuV/m 0.02 0.04 Mk. Freq. MHz	St Frequency 240 Temp 2 StW/m 0.02 0.04 0.05 Mk. Freq. Reading Level MHz dBuV	St Frequency 2402MHz Temp 25°C BuV/m 0.02 0.04 0.05 0.07 Mk. Freq. Reading Correct Level Factor MHz dBuV dB	St Frequency 2402MHz	St Frequency 2402MHz Polarization Temp 25°C Hum. SuV/m	### St Frequency	St Frequency	Set Frequency	

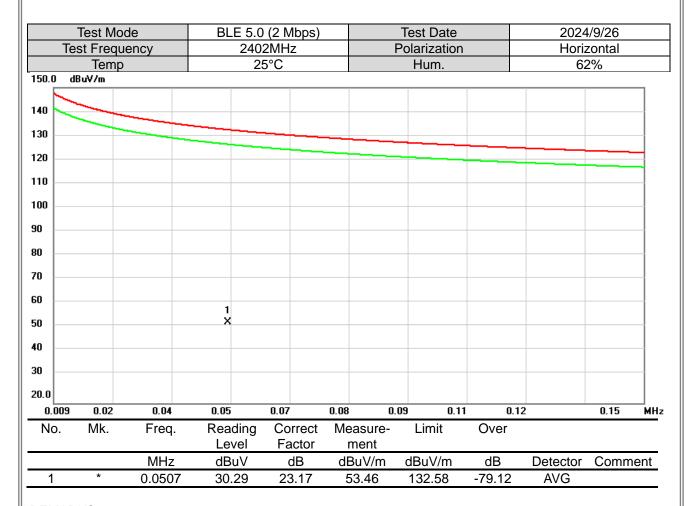
- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





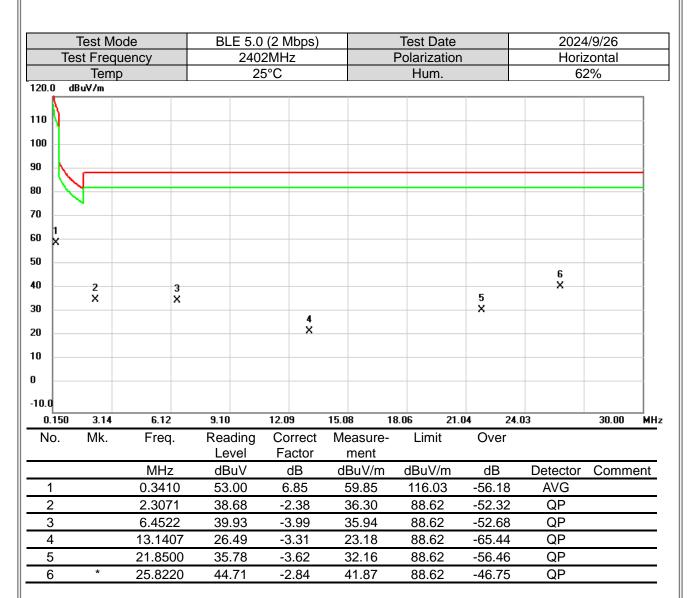
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.





- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.





- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



APPENDIX C RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

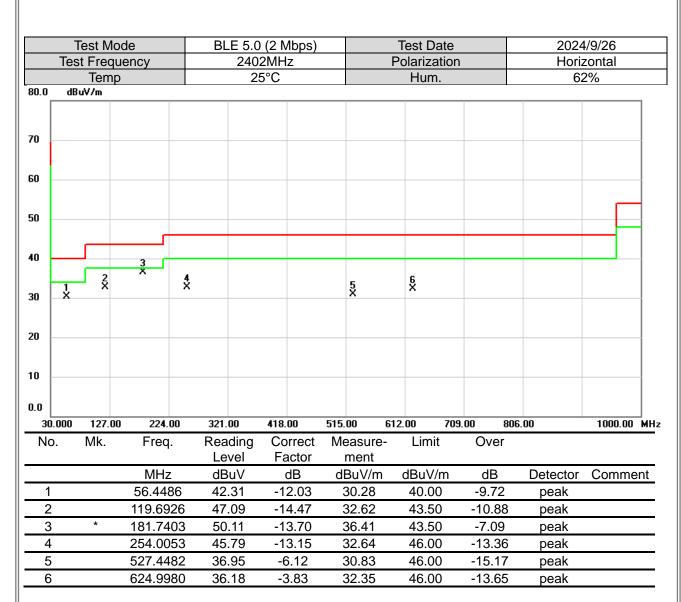
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Report No.: BTL-FCCP-2-2408T098

	Test Mo					(2 Mbps)			Test Date			/9/26	
Te	est Frequ					2MHz			Polarizatio	n		tical	
	Temp)			25	5°C			Hum.		62	2%	
70 — 50 —	1BuV/m												
40 — 30 —× 20 —		ž		3 X	4 ×		5 X		Š.				
10 0.0													
30.000	127.00	224.0	0	321.00)	418.00	515.	00 61	12.00 70	9.00 806	5.00	1000.00	_мн
No.	Mk.	Freq.		Readi Leve		Correct Factor		easure- ment	Limit	Over			
		MHz		dBu'	V	dB	dl	3uV/m	dBuV/m	dB	Detector	Comme	ent
1	*	56.481	0	41.8	7	-12.03	2	29.84	40.00	-10.16	QP		
2		181.223	30	42.7	3	-13.63	2	29.10	43.50	-14.40	peak		
3		288.117	70	38.4	7	-11.72	2	26.75	46.00	-19.25	peak		
4		375.158	33	35.8	9	-9.67		26.22	46.00	-19.78	peak		
5		500.029	97	35.8	6	-6.66		29.20	46.00	-16.80	peak		
6		624.998	RΛ	39.2	1	-3.83	•	35.38	46.00	-10.62	peak		

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





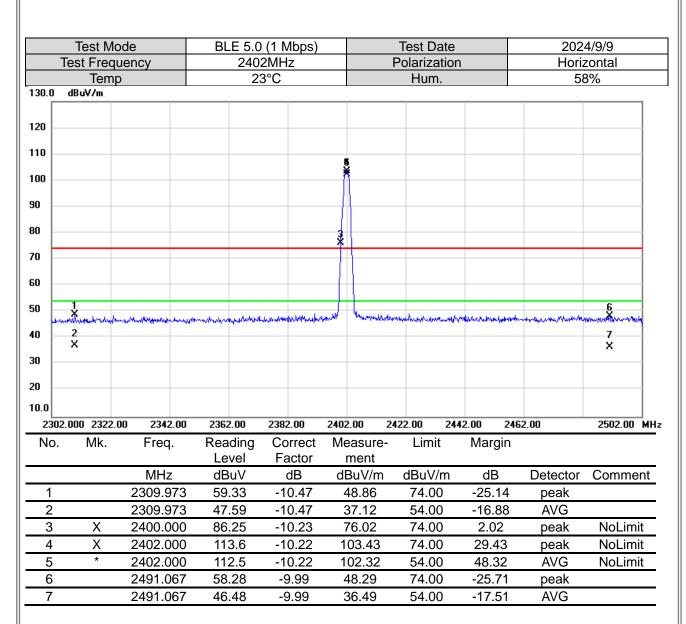
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



APPENDIX D RADIATED EMISSIONS - ABOVE 1 GHZ

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- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Te	Test Mo			5.0 (1 Mbps) 480MHz	1	Test Date Polarization	1		4/9/9 zontal	
	Temp		-	23°C		Hum.			3%	
130.0	dBuV/m									_
120										
110					3					
100					—∭—					-
90										-
80										-
70										
60 —										-
50 1	Emmanda mada mada mada mada mada mada mad	protestation and the second	and good a galantees white was	Maripaga ayan da Marika Marika da da Marika da	The state of the s	Handrid of the state of the s		n de santa de la compansión de la compan	principal de la company de	4
40 2 X	<u> </u>				8 X					
20										
10.0										
2200.0	000 2400.0	0 2420.00	2440.00	2460.00	2480.00 2	2500.00 252	20.00 254	0.00	2580.00	_
2300.0					2100.00					МП
No.	Mk.	Freq.	Readin Level	g Correct			Margin			MI
	Mk.	Freq. MHz	Readin Level dBuV		Measure-		Margin dB	Detector	Comme	
	Mk.		Level dBuV	g Correct Factor	Measure- ment	Limit		Detector peak	Comme	
No.	Mk.	MHz	Level dBuV 59.15	g Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	dB		Comme	
No.	Mk.	MHz 2385.360	Level dBuV 59.15 46.88	g Correct Factor dB -10.27	Measure- ment dBuV/m 48.88	Limit dBuV/m 74.00	dB -25.12	peak	Comme	ent
No.		MHz 2385.360 2385.360	Level dBuV 59.15 46.88 116.9	g Correct Factor dB -10.27 -10.27	Measure- ment dBuV/m 48.88 36.61	Limit dBuV/m 74.00 54.00	dB -25.12 -17.39	peak AVG		ent it
No. 1 2 3	X	MHz 2385.360 2385.360 2480.000	Level dBuV 59.15 46.88 116.9	G Correct Factor dB -10.27 -10.27	Measure- ment dBuV/m 48.88 36.61 106.94	Limit dBuV/m 74.00 54.00 74.00	dB -25.12 -17.39 32.94	peak AVG peak	NoLim	ent it

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test Mo			(2 Mbps)		Test Date			4/9/9
16	est Frequ	ency		2MHz		Polarizatio	on		zontal
120.0	Temp dBuV/m		2	3°C		Hum.		58	8%
130.0	abuy/m								
120									
110									
100					***************************************				
90 —					-				
80					×				
70									
60									
50		, *						and the second	b
40	والمالية وا	ndelpalpalpalpalpalpalpalpalpalpalpalpalpal	horporanishbaga	anglesson and apply the second should be self	MAN MANAGEM	parameter of the parame	donner der almost application	and the state of t	**************************************
		×							×
30									
20									
10.0	200 200 0	2 2242.00	2000 00	2000 00	0400.00	100.00		200	2500.00
	000 2322.0		2362.00	2382.00				2.00	2502.00 Mi
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2342.220	60.94	-10.38	50.56	74.00	-23.44	peak	
2		2342.220	49.02	-10.38	38.64	54.00	-15.36	AVG	
3	Χ	2400.000	92.27	-10.23	82.04	74.00	8.04	peak	NoLimit
4	Χ	2402.000	112.9	-10.22	102.69	74.00	28.69	peak	NoLimit
	*	2402.000	110.7	-10.22	100.48	54.00	46.48	AVG	NoLimit
5	*	2402.000	110.7	10.22	100110	0 1100		7.10	HOLIIII
	*	2490.953 2490.953	59.31 47.39	-9.99 -9.99	49.32 37.40	74.00 54.00	-24.68 -16.60	peak AVG	HOLITIK

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.



	Test Mo			0 (2 Mbps) 80MHz		Test Date Polarization			4/9/9 zontal
	Test Frequ Temp			3°C		Hum.	1		3%
130.0						i idili.			<i>570</i>
120									
110					2				
					₫				
100									
90									
.									
80									
70									
60									
50	1 maring the state of the state	walter and beautiful	Andrew were brook	at organical property and a second of	war marine	realist of the second and the	to decept the track to be a com-	an Marsan with a Marketine	whenhand
40	2				ь Х				
	X								
30									
20									
10.0									
23	80.000 2400.0	0 2420.00	2440.00	2460.00	2480.00 2	500.00 25	20.00 254	0.00	2580.00 MHz
No	. Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.167	58.15	-10.26	47.89	74.00	-26.11	peak	
3	X	2388.167 2480.000	47.19 116.3	-10.26 -10.01	36.93 106.35	54.00 74.00	-17.07 32.35	AVG	NoLimit
4	*	2480.000	116.3	-10.01	106.35	54.00	50.20	peak AVG	NoLimit
- 4 5		2483.607	60.67	-10.01	50.67	74.00	-23.33	peak	INOLIIIII
$\frac{3}{6}$		2483.607	50.49	-10.00	40.49	54.00	-13.51	AVG	
		2-100.001	55.∓5	10.00	70.70	07.00	10.01	/ \V O	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.



_	Test				BL			/lbps)				Test Da					4/9/9	
	Test Fre		ency				<u>2MH</u> 3°C				<u> </u>	olariza					tical 3%	
130.0	dBuV/m	mp				۷.	3 C					Hum	•			30	5%	
	ab a i i ii																	\neg
120																		_
110 _																		_
100																		
90																		
80																		
70																		\dashv
60 _																		_
50																		\dashv
40				1 X														
30				2 X														
20																		
10.0																		
1000	0.000 27	00.00	4400	0.00	6100).00	7800	0.00	9500).00	112	00.00	1290	00.00	14600	.00	18000.	00 MH
No.	Mk		Freq			ding vel		rrect		easure ment	9-	Limit		Margi	in			
			MHz			uV		dB		3uV/n	า	dBuV/	m	dB		Detector	Comm	ent
1			4804.0	00		.94	-4	1.15		13.79		74.00)	-30.2		peak		
2	*		4804.0	00	36	.52	-2	1.15	3	32.37		54.00)	-21.6	3	AVG		

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test M					(1 Mb	ps)				Test Da				24/9/9
	Test Free					2MHz				Р	olariza				rizontal
	Ten	пр			23	3°C					Hum				58%
130.0	dBuV/m														
120															
110 -															
100															
00															
30															
'o															
io															
50 -			1												
10			X 2												
30 L			2 X												
20															
0.0															
	0.000 2700			6100.0		7800.0		9500			200.00			14600.00	18000.00 M
No.	Mk.	Freq		Read Lev		Corre Fact			easur ment	e-	Limit	t	Margi	n	
		MHz	<u> </u>	dBu		dB	.	dl	3uV/r	n	dBuV/	m	dB	Detecto	r Comment
1		4804.0	000	48.2		-4.1	5	4	14.09		74.00)	-29.9		
2	*	4804.0	000	37.1	8	-4.1	5	3	33.03		54.00)	-20.9	7 AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



_	Test Mo		BLI		(1 Mbps)				st Date				4/9/9	
ı	est Frequ			2440					arizatio	on			tical	
130.0	Temp dBuV/m)		23°	C				Hum.			58	3%	
130.0	UDUY/III													7
120														
110														-
100														1
90														-
80														-
70														-
60														
50			1											
40			1 X											
30			2 X											
20														
10.0														
1000.	.000 2700.0	00 4400.00	0 6100.	.00	7800.00	9500.0	00 1	11200	.00 1	2900.00	1460	0.00	18000.00	MHz
No.	Mk.	Freq.	Read Lev		Correct Factor		asure- ient		Limit	Març	gin			
		MHz	dBı		dB		uV/m	dE	3uV/m	dE	3	Detector	Comme	nt
1		4880.000			-3.91		1.29		74.00	-29.		peak		_
2	*	4880.000			-3.91	33	3.45	Ę	54.00	-20.	55	AVG		

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test M				BL	E 5.0						est Da					24/9/9	
Т	est Fred		су				0MHz	<u> </u>			Р	olariza					zontal	
	Tem	np				2:	3°C					Hum				5	8%	
130.0	dBuV/m																	_
120																		_
110 —																		
100 -																		-
90																		_
BO																		
70																		
SO																		-
50				1														
10 <u> </u>				1 X 2 X														
30				×														
20																		
10.0																		
	000 2700).00	4400		6100		7800		9500			00.00			14600.0	00	18000	.00 MF
No.	Mk.		Freq			ding vel		rrect ctor		easure ment)-	Limit	t	Margi	n			
			MHz			uV		IB		3uV/m)	dBuV/	m	dB	D	etector	Comr	nent
1		4	880.0	00	47	.56	-3	.91		13.65		74.00)	-30.3		peak		
2	*	4	880.0	00	38	.02	-3	.91	- (34.11		54.00))	-19.8	9	AVG		

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test M				(1 Mbps)		Test D			4/9/9
٦	Test Freq				0MHz		Polariza			rtical
	Tem	р		2	3°C		Hum).	5	8%
130.0	dBuV/m									
120										
110										
100										
90										
80										
70										
60										
50			1							
40			1 X 2							
30			x							
20										
10.0										
	.000 2700.			6100.00	7800.00	9500.00	11200.00		4600.00	18000.00 MHz
No.	Mk.	Freq.		Reading Level	Correct Factor	Measure ment	e- Limi	t Margin		
		MHz		dBuV	dB	dBuV/n	n dBuV	/m dB	Detector	Comment
1		4960.00	00	47.16	-3.64	43.52	74.0			
2	*	4960.00	00	36.77	-3.64	33.13	54.0	0 -20.87	AVG	-

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test Mo			.0 (1 Mbps)		Test Date			4/9/9
T	est Frequ			80MHz		Polarization	1		zontal
	Temp			23°C		Hum.		58	3%
130.0	dBuV/m								
120									
110									
100									
90									
80									
70									
60									
50									
40			1 × 2 ×						
30		:	×						
20									
10.0									
	000 2700.0			7800.00				00.00	18000.00 MHz
No.	Mk.	Freq.	Readino Level	Correct Factor	Measure ment	- Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	46.48	-3.64	42.84	74.00	-31.16	peak	
2	*	4960.000	37.71	-3.64	34.07	54.00	-19.93	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test Mo			(2 Mbps)		Test Date			4/9/9
Te	est Frequ			2MHz		Polarization	1		tical
100.0	Temp)	2:	3°C		Hum.		58	3%
130.0	dBuV/m								
120									
110									
100									
90									
80									
70									
60									
50		_							
40		*							
30		2 X							
20									
10.0									
1000.	000 2700.0	00 4400.00	6100.00	7800.00			300.00 146	00.00	18000.00 MHz
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	47.96	-4.15	43.81	74.00	-30.19	peak	
2	*	4804.000	37.12	-4.15	32.97	54.00	-21.03	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



_	Test Mo			(2 Mbps)		Test Date			4/9/9
Т	Test Frequ			2MHz		Polarization	n		ontal
130.0	Temp dBuV/m)	2	3°C		Hum.		58	3%
130.0	agavim								
120									
110									
100									
90									
80									
70									
60									
50		1							
40		1 X 2							
30		×							
20									
10.0									
	.000 2700.0			7800.00				00.00	18000.00 MHz
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	- Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000		-4.15	43.97	74.00	-30.03	peak	
2	*	4804.000		-4.15	34.73	54.00	-19.27	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test M					(2 Mbps)				Test Da				4/9/9
T	est Fred)MHz			Р	olariza				tical
100.0	Tem	ıp			23	3°C				Hum.			58	3%
130.0	dBuV/m													
120														
110 —														
100														
90														
BO														
'o														
io														
50			1											
10 <u> </u>			1 X											
10			2 X											
20														
0.0														
1000.	.000 2700	.00 44	00.00	6100.0	0	7800.00	9500	0.00	112	200.00	1290	00.00 146	500.00	18000.00 MF
No.	Mk.	Fre	eq.	Readi Leve		Correct Factor		easure ment) -	Limit		Margin		
		MI	Ηz	dBu'		dB		3uV/n	1	dBuV/	m	dB	Detector	Comment
1		4880	.000	47.2	5	-3.91		13.34		74.00)	-30.66	peak	
2	*	4880	.000	37.2	8	-3.91	3	33.37		54.00)	-20.63	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test Mo			BL	E 5.0						Test Da					4/9/9	
10	est Frequ					0MH	Z			Р	olariza					zontal	
130.0	Temp				2	3°C					Hum.				58	3%	
130.0	abuv/m																\neg
120																	_
110																	
100																	
90																	
80																	
70																	4
60																	
50			1 ×														
40 —			2														+
30			x														4
20																	4
10.0																	
1000.	000 2700.0	0 4400	.00	6100).00	7800		9500).00	112	200.00		00.00	14600	0.00	18000.0	00 MH
No.	Mk.	Freq.	ı	Rea Le	ding vel		rrect ctor		easure ment) -	Limit	İ	Marg	in			
		MHz		dB			B B		BuV/m)	dBuV/	m	dB		Detector	Comm	ent
1		4880.0	00	47.		-3	.91		13.66		74.00		-30.3	4	peak		
2	*	4880.0	00	36.	.66	-3	.91	3	32.75		54.00)	-21.2	25	AVG		

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test M			BL			lbps)				Test D					4/9/9	
Te	est Freq					0MH	Z			F	Polariza					tical	
100.0	Tem	р			23	3°C					Hum	۱.			58	3%	
130.0	dBuV/m																_
120																	-
110 -																	4
100																	-
90																	-
BO																	-
70 <u> </u>																	-
io —																	-
50			-														-
ю			X X														_
io			2 X														
20																	
0.0																	
	000 2700.		00.00	6100		7800		9500).00	11	200.00			1460	0.00	18000.0	10 MH
No.	Mk.	Fre	q.	Read Lev			rrect ctor		easui ment	-	Limi	t	Margi	in			
		MH	z	dBı	uV	(dΒ	dl	3uV/ı	m	dBuV	/m	dB		Detector	Comm	ent
1		4960.		46.	47	-3	3.64	4	12.83	3	74.0	0	-31.1	7	peak		
2	*	4960.	000	35.	85	-3	.64	(32.21		54.0	0	-21.7	9	AVG		

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test Mo			BL	E 5.0						Test Da				24/9/9
<u>le</u>	est Frequ					OMH.	Z			Р	olariza				izontal
130.0	Temp dBuV/m				2	3°C					Hum.] 5	8%
130.0	abuv/m														
120															
110															
100															
30															
30															
BO -															
70															
50 <u> </u>															
50															
40 L			1 X												
			2 X												
30															
20 —															
10.0															
	000 2700.0			6100		7800		9500			00.00	1290		14600.00	18000.00 MI
No.	Mk.	Freq	•	Rea Le	ding vel		rrect		easure ment	:-	Limit		Margii	n	
		MHz		dB	uV		dB		3uV/m	1	dBuV/ı	m	dB	Detector	Comment
1	•	4960.0			.90		3.64		12.26		74.00		-31.74		•
2	*	4960.0	00	36	.79	-3	3.64	3	33.15		54.00)	-20.85	5 AVG	·

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



	Test M	ode			BL	E 5.0	(2 N	1bps)				Test D					1/9/10	
T	est Fred		:y				2MH	Z			P	olariza					tical	
	Tem	р				2	6°C					Hum	١.			53	3%	
130.0	dBuV/m																	\neg
120																		4
110																		4
100 -																		4
90																		4
30																		\perp
70 <u> </u>																		
io																		-
io																		
10																		\parallel
30		1 X																4
20		2 X																_
10.0																		
	0.000 1885		1970			50.00		00.00		0.00		00.00			24800.00		26500.	DO MI
No.	Mk.		Freq			ding vel		rrect		easure ment	9-	Limi	t	Margii	n			
			MHz			suV		dB		BuV/m	1	dBuV/	m	dB	Dete	ector	Comm	ent
1		19	216.	00	33	.27	-1	.19	3	32.08		74.00	0	-41.92		ak		
2	*	19	216.	00	22	.53	-1	.19	2	21.34		54.00	0	-32.66	6 A\	/G		

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



_	Test M			BL	E 5.0					est Da				1/9/10
T	est Freq					2MH	Z		Po	<u>olariza</u>				zontal
120.0	Tem dBuV/m	p			2	6°C				Hum	•		53	3%
130.0	dBuV/m				1									
120														
110														
100														
90														
80														
70														
60														
50														
40														
30		1 X 2												
20		X												
10.0														
	0.000 18850		9700.00		50.00		00.00	50.00		00.00	2395		00.00	26500.00 MH
No.	Mk.	Fr	eq.		ding vel		rrect actor	easure ment) -	Limit	t	Margin		
		M	Hz		uV		dB	BuV/m	1	dBuV/	m	dB	Detector	Comment
1			16.00		.33		1.19	32.14		74.00		-41.86	peak	
2	*		16.00		.53		.19	23.34		54.00		-30.66	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

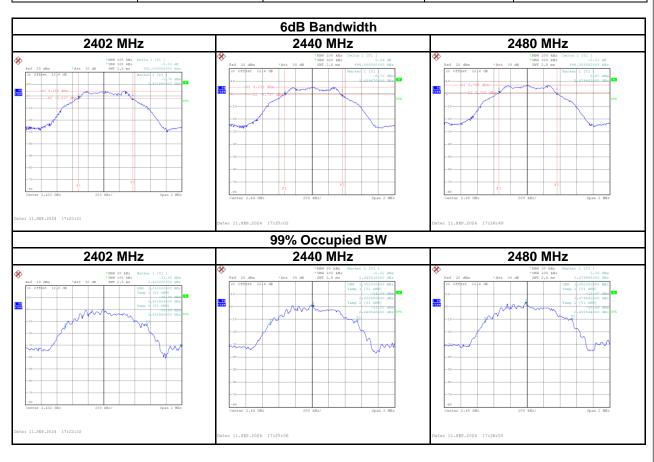


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Test Mode: 1Mbps

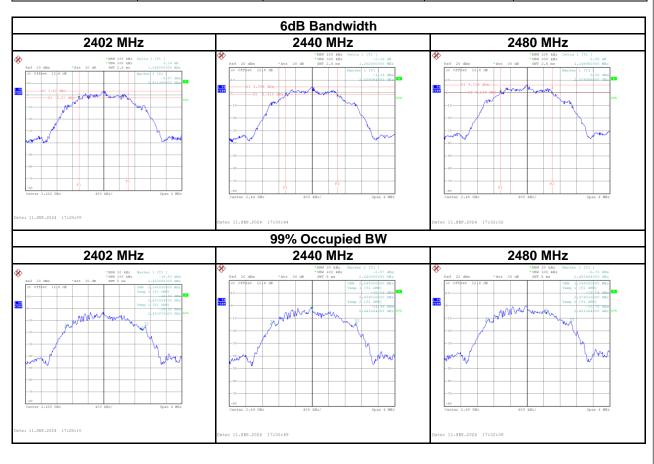
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2402	0.69	1.05	500	Pass
2440	0.70	1.05	500	Pass
2480	0.70	1.05	500	Pass





Test Mode: 2Mbps

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2402	1.26	2.05	500	Pass
2440	1.25	2.05	500	Pass
2480	1.25	2.05	500	Pass







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APPENDIX F	OUTPUT POWER

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Test wode. Thisps Tested Date (2024/9/11		Test Mode :	1Mbps	Tested Date	2024/9/11
--	--	-------------	-------	-------------	-----------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	5.39	0.0035	30.00	1.0000	Pass
2440	6.22	0.0042	30.00	1.0000	Pass
2480	7.83	0.0061	30.00	1.0000	Pass

Test Mode : 2Mbps Tested Date 2	2024/9/11
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	5.78	0.0038	30.00	1.0000	Pass
2440	6.58	0.0045	30.00	1.0000	Pass
2480	8.18	0.0066	30.00	1.0000	Pass

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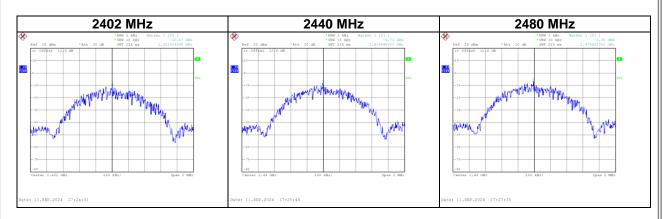
	Report No.: BTL-FCCP-2-24081098
APPENDIX G	POWER SPECTRAL DENSITY TEST

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T4 N/I	A NAIs is a
Test Mode :	1Mbps
TOOL WIOGO .	TWOPS

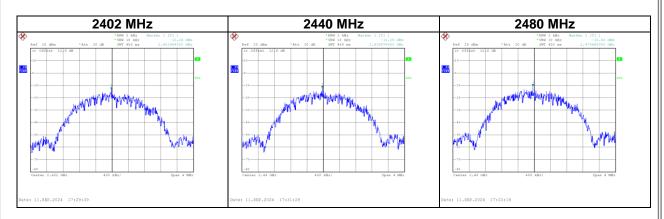
Frequency (MHz)	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Test Result
2402	-10.87	8	Pass
2440	-9.74	8	Pass
2480	-8.25	8	Pass



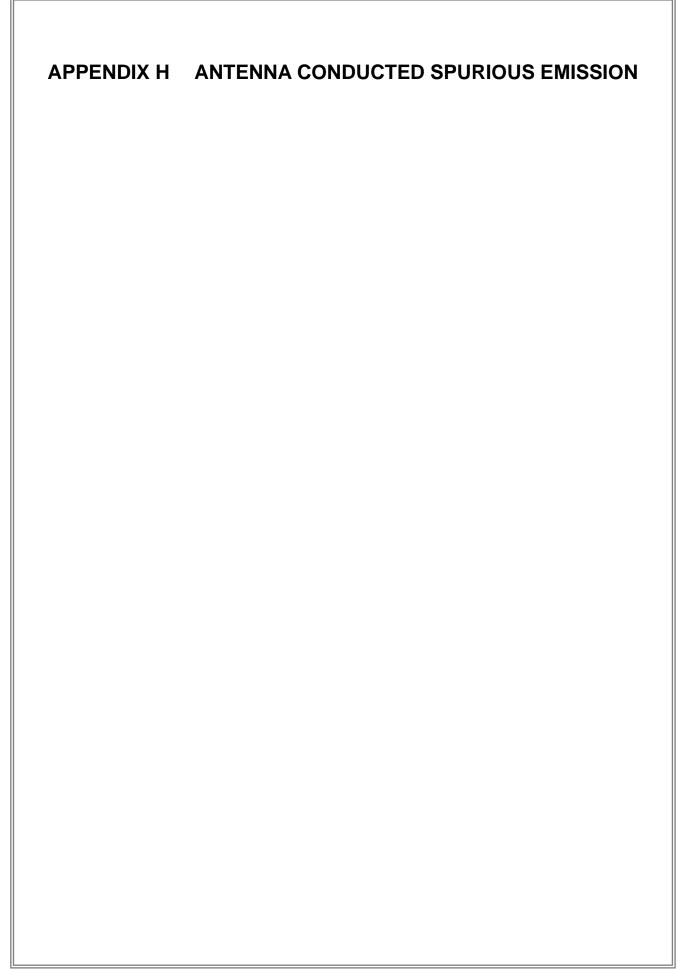


Test Mode: 2Mbps

Frequency (MHz)	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Test Result
2402	-13.26	8	Pass
2440	-12.25	8	Pass
2480	-10.64	8	Pass







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