



FCC Radio Test Report

FCC ID: 2AX7S-ATC53R

Report No. : BTL-FCCP-2-2410T032

Equipment Tablet PC **Model Name** : ATC53R **Brand Name** : AlMobile

AlMobîle

Applicant : AlMobile Co., Ltd.

Address : 6F, No. 166, Section 4, Chengde Road, Shilin District, Taipei City, 11167

Taiwan

Radio Function : Bluetooth Low Energy

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

Measurement : ANSI C63.10-2013

Procedure(s)

: 2024/10/4 Date of Receipt

: 2024/10/24 ~ 2024/11/15 Date of Test

Issued Date : 2024/12/18

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

Prepared by

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0659

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Approved by

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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**.

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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-2-2410T032	R00	Original Report.	2024/12/18	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. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

(FCC DN: TW0659)

oximes C05 oximes CB08 oximes CB11 oximes SR10 oximes SR11

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:

Test Site	Method	Measurement Frequency Range	U (dB)
C05	CISPR	150 kHz ~ 30MHz	3.44

B. Radiated emissions test:

Test Site	Measurement Frequency Range	U (dB)
	0.03 GHz ~ 0.2 GHz	4.17
	0.2 GHz ~ 1 GHz	4.72
CB21	1 GHz ~ 6 GHz	5.21
CB21	6 GHz ~ 18 GHz	5.51
	18 GHz ~ 26 GHz	3.69
	26 GHz ~ 40 GHz	4.23

C. Conducted test:

1 1031.				
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	22 °C, 55 %	AC 120V	Ken Lan
Radiated emissions below 1 GHz	Refer to data	AC 120V	Mark Wang
Radiated emissions above 1 GHz	Refer to data	AC 120V	Mark Wang
Bandwidth	23 °C, 61 %	AC 120V	Easton Tsai
Output Power	23 °C, 61 %	AC 120V	Easton Tsai
Power Spectral Density	23 °C, 61 %	AC 120V	Easton Tsai
Antenna conducted Spurious Emission	23 °C, 61 %	AC 120V	Easton Tsai

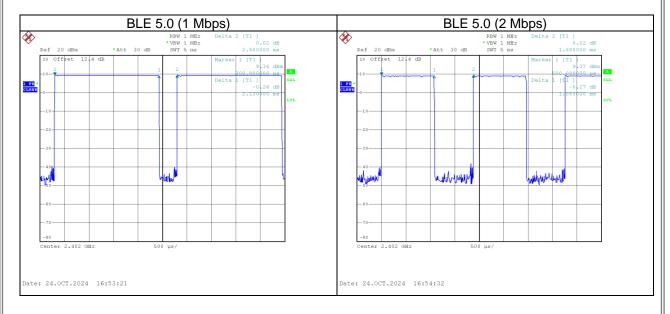
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1.4 DUTY CYCLE

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

Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mada	ON	Numbers	On Time (B)	Period (ON+OFF)	Duty Cycle	Duty Factor
Mode	(ms)	(ON)	(ms)	(ms)	(%)	(dB)
BLE 5.0 (1 Mbps)	2.130	1	2.130	2.500	85.20%	0.70
BLE 5.0 (2 Mbps)	1.080	1	1.080	1.880	57.45%	2.41



2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Tablet PC
Model Name	ATC53R
Brand Name	AlMobile AlMobile
Model Difference	N/A
Power Source	DC Voltage supplied from AC/DC adapter.
Power Rating	EUT: DC 20V, 3.25A For PA-1650-58 I/P: 100-240V~, 1.6A, 50-60Hz O/P: 20.0Vdc, 3.25A For FSP065M-DUA I/P: 100-240V, 50-60Hz, 1.8A-1.0A O/P: 20.0Vdc, 3.25A
Products Covered	2 * Adapter: (1) LITEON / PA-1650-58 (2) FSP / FSP065M-DUA 1 * Docking(Optional): AlMobile / AlMDS 1 * DC Jack to Type C Dongle(Optional): Polywell Enterprise / DC5525
WLAN Card	Intel/AX210NGW
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: 9.97 dBm (0.0099 W) 2 Mbps: 9.99 dBm (0.0100 W)
Test Software Version	DRTU Version 07302.23.80.0
Test Model	ATC53R
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) The EUT includes two SKUs:

Key	part	SKU1	SKU2
WLAN Card	Intel/AX210NGW	V	V
NFC	Wistron NeWeb Corporation/XRAV-1	V	٧
Al Accelerator (Optional)	Hailo		V
Barcode Scanner (Optional)	ZEBRA		V
Battery	AlMobile/ATC-63E-BAT	V	V
Adoptor	FSP Group Inc/ FSP065M-DUA	V	V
Adapter	LITE-ON/ PA-1650-58	V	V

SKU 2 is used for final testing and collecting test data included in this report.

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(3) 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

(4) Table for Filed Antenna:

Antenna	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
Aux	AWAN	AYP6Y-100422	PIFA	IPEX	2.22

(5) 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	-

NOTE:

- (1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Vertical) 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.
- (4) All adapter are evaluated, the Adapter (LITEON /PA-1650-58)is the worst and recorded as below test data.

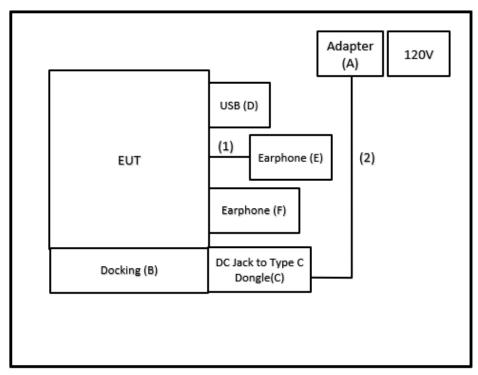
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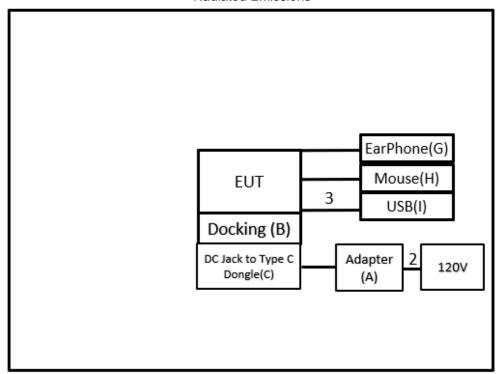
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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

AC power line conducted emissions



Radiated Emissions





2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
Α	Adapter	LITEON	PA-1650-58	N/A	Supplied by test requester
В	Docking	AlMobile	AIMDS	N/A	Supplied by test requester
С	DC Jack to Type C Dongle	Polywell Enterprise	DC5525	N/A	Supplied by test requester
D	USB	N/A	N/A	N/A	Furnished by test lab.
E	Earphone	N/A	N/A	N/A	Furnished by test lab.
F	Earphone	N/A	N/A	N/A	Furnished by test lab.
G	Earphone	N/A	N/A	N/A	Furnished by test lab.
Н	Mouse	Logitech	B100	N/A	Furnished by test lab.
	USB	ADATA	UV150	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	1m	Type C to Type C	Furnished by test lab.
2	N/A	N/A	1.5m	Power cord	Supplied by test requester
3	N/A	N/A	0.1m	USB-C to USB 3.0 CABLE	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)		(dBµV)		(dB)
41.67	-	60	=	-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.

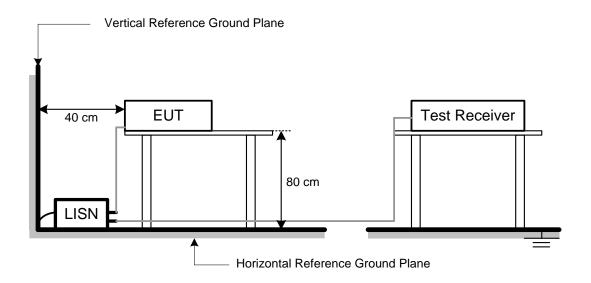
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3.3 DEVIATION FROM TEST STANDARD

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	
(IVITZ)	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	=	33.55

Measurement Value		Limit Value		Margin Level
(dBµV/m) 33.55	_	(dBµV/m) 43.50	_	(dB) -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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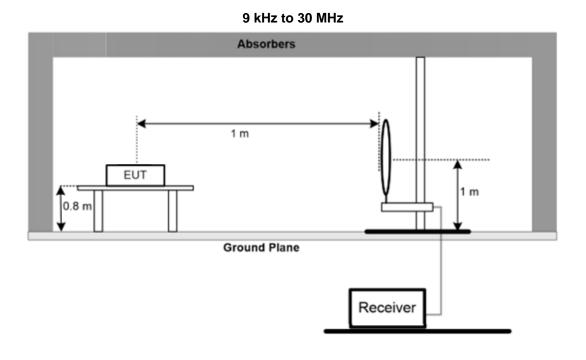
4.2 TEST PROCEDURE

- 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.

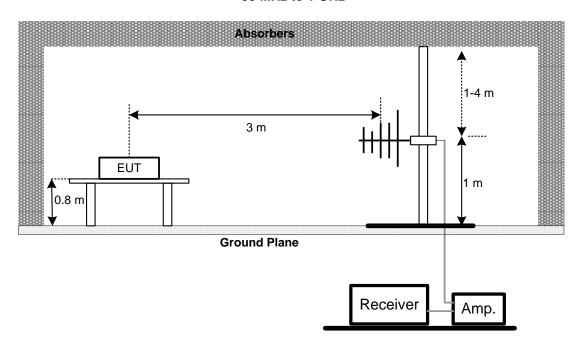
4.4 TEST SETUP



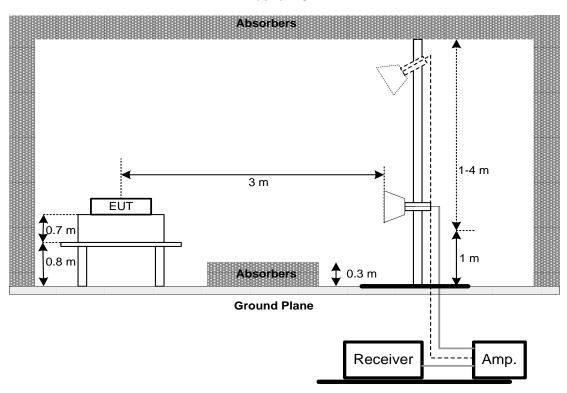
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30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.



4.6 TEST RESULT - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

4.7 TEST RESULT - 30 MHZ TO 1 GHZ

Please refer to the APPENDIX C.

4.8 TEST RESULT - ABOVE 1 GHZ

Please refer to the APPENDIX D.

NOTE:

(1) No limit: This is fundamental signal, the judgment is not applicable. For fundamental signal judgment was referred to Peak output test.

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5 BANDWIDTH TEST

5.1 APPLIED PROCEDURES / LIMIT

Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	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

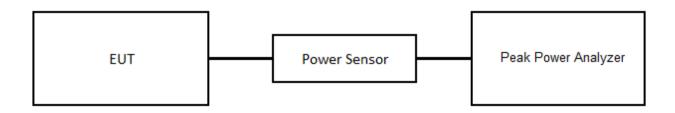
6.2 TEST PROCEDURE

- 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



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						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until	
1	TWO-LINE V-NETWORK	R&S	ENV216	101521	2024/9/5	2025/9/4	
2	Test Cable	EMCI	EMCCFD300-BM -BMR-5000	220331	2024/3/30	2025/3/29	
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	EMC118A45SE	980819	2024/3/6	2025/3/5		
3	Pre-Amplifier	EMCI	EMC184045SE	980907	2024/9/4	2025/9/3		
4	Preamplifier	EMCI	EMC001340	980579	2024/9/4	2025/9/3		
5	Test Cable	EMCI	EMC104-SM-100 0	180809	2024/3/8	2025/3/7		
6	Test Cable	EMCI	EMC104-SM-SM- 3000	220322	2024/3/8	2025/3/7		
7	Test Cable	EMCI	EMC104-SM-SM- 7000	220324	2024/3/8	2025/3/7		
8	EXA Signal Analyzer	keysight	N9020B	MY57120120	2024/2/23	2025/2/22		
9	Loop Ant	Electro-Metrics	EMCI-LPA600	291	2024/9/9	2025/9/8		
10	Horn Antenna	RFSPIN	DRH18-E	211202A18EN	2024/5/9	2025/5/8		
11	Horn Ant	Schwarzbeck	BBHA 9170D	1136	2024/5/17	2025/5/16		
12	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2024/6/14	2025/6/13		
13	6dB Attenuator	EMCI	EMCI-N-6-06	AT-06001	2024/6/14	2025/6/13		
14	Test Cable	EMCI	EMC101G-KM-K M-3000	220329	2024/3/13	2025/3/12		
15	Test Cable	EMCI	EMC102-KM-KM- 1000	220327	2024/3/13	2025/3/12		
16	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	101139	2024/3/8	2025/3/7	

	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	Keysight	N1923A	MY58310005	2024/3/12	2025/3/11	



Power Spectral Density							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until	
1	Spectrum Analyzer	R&S	FSP 40	101139	2024/3/8	2025/3/7	

	Antenna conducted Spurious Emission							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until		
1	Spectrum Analyzer	R&S	FSP 40	101139	2024/3/8	2025/3/7		

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-2410T032-FCCP-1 (APPENDIX-TEST PHOTOS).
11 EUT PHOTOS
Please refer to document Appendix No.: EP-2410T032-1 (APPENDIX-EUT PHOTOS).

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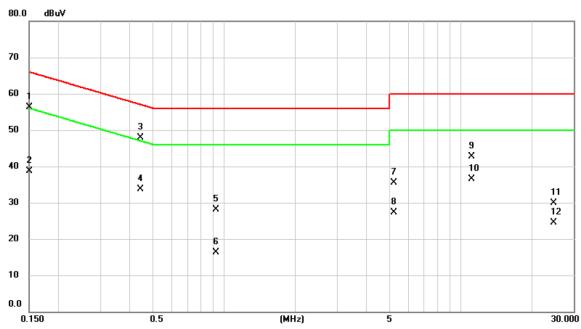


APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

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Test Mode	Normal	Tested Date	2024/11/5
Test Frequency	-	Phase	Line

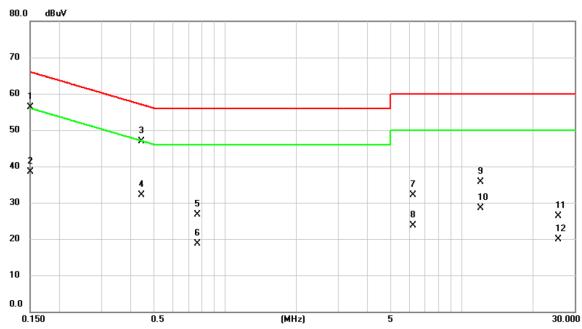


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	37.20	19.05	56.25	66.00	-9.75	QP	
2		0.1500	19.75	19.05	38.80	56.00	-17.20	AVG	
3	*	0.4447	28.62	19.36	47.98	56.97	-8.99	QP	
4		0.4447	14.28	19.36	33.64	46.97	-13.33	AVG	
5		0.9240	8.81	19.37	28.18	56.00	-27.82	QP	
6		0.9240	-3.14	19.37	16.23	46.00	-29.77	AVG	
7		5.2350	16.72	18.83	35.55	60.00	-24.45	QP	
8		5.2350	8.54	18.83	27.37	50.00	-22.63	AVG	
9		11.0895	23.82	18.97	42.79	60.00	-17.21	QP	
10		11.0895	17.56	18.97	36.53	50.00	-13.47	AVG	
11		24.6615	10.83	19.01	29.84	60.00	-30.16	QP	
12		24.6615	5.41	19.01	24.42	50.00	-25.58	AVG	

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



Test Mode	Normal	Tested Date	2024/11/5
Test Frequency	-	Phase	Neutral

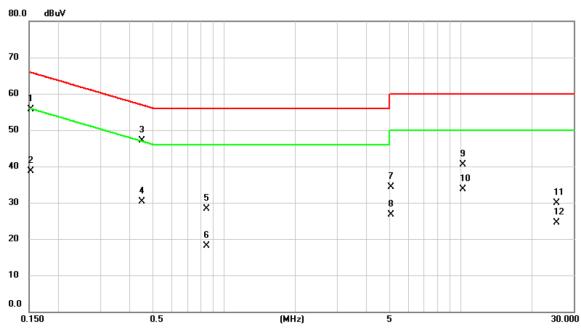


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1508	37.24	19.05	56.29	65.96	-9.67	QP	
2		0.1508	19.49	19.05	38.54	55.96	-17.42	AVG	
3		0.4447	27.48	19.35	46.83	56.97	-10.14	QP	
4		0.4447	12.81	19.35	32.16	46.97	-14.81	AVG	
5		0.7620	7.38	19.35	26.73	56.00	-29.27	QP	
6		0.7620	-0.66	19.35	18.69	46.00	-27.31	AVG	
7		6.2204	13.19	18.88	32.07	60.00	-27.93	QP	
8		6.2204	4.84	18.88	23.72	50.00	-26.28	AVG	
9		11.9895	16.70	19.00	35.70	60.00	-24.30	QP	
10		11.9895	9.55	19.00	28.55	50.00	-21.45	AVG	
11		25.5750	7.11	19.14	26.25	60.00	-33.75	QP	
12		25.5750	0.76	19.14	19.90	50.00	-30.10	AVG	

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



Test Mode	Idle	Tested Date	2024/11/5
Test Frequency	-	Phase	Line

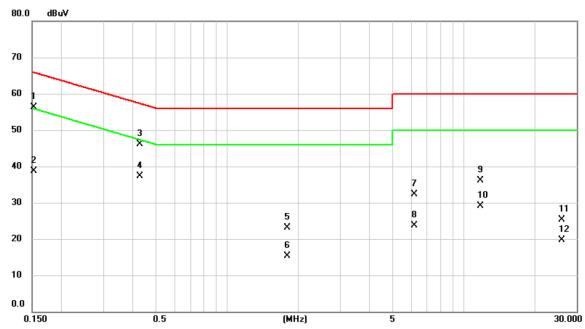


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1522	36.64	19.08	55.72	65.88	-10.16	QP	
2		0.1522	19.62	19.08	38.70	55.88	-17.18	AVG	
3	*	0.4492	27.77	19.36	47.13	56.89	-9.76	QP	
4		0.4492	10.89	19.36	30.25	46.89	-16.64	AVG	
5		0.8452	9.04	19.36	28.40	56.00	-27.60	QP	
6		0.8452	-1.23	19.36	18.13	46.00	-27.87	AVG	
7		5.0775	15.46	18.82	34.28	60.00	-25.72	QP	
8		5.0775	7.83	18.82	26.65	50.00	-23.35	AVG	
9		10.1963	21.46	18.97	40.43	60.00	-19.57	QP	
10		10.1963	14.80	18.97	33.77	50.00	-16.23	AVG	
11		25.3478	10.91	19.02	29.93	60.00	-30.07	QP	
12		25.3478	5.50	19.02	24.52	50.00	-25.48	AVG	

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



Test Mode	Idle	Tested Date	2024/11/5
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1522	37.23	19.06	56.29	65.88	-9.59	QP	
2		0.1522	19.64	19.06	38.70	55.88	-17.18	AVG	
3		0.4290	26.68	19.35	46.03	57.27	-11.24	QP	
4		0.4290	18.02	19.35	37.37	47.27	-9.90	AVG	
5		1.7993	3.89	19.15	23.04	56.00	-32.96	QP	
6		1.7993	-3.86	19.15	15.29	46.00	-30.71	AVG	
7		6.1643	13.52	18.88	32.40	60.00	-27.60	QP	
8		6.1643	4.78	18.88	23.66	50.00	-26.34	AVG	
9		11.7285	17.02	19.01	36.03	60.00	-23.97	QP	
10		11.7285	10.03	19.01	29.04	50.00	-20.96	AVG	
11		26.0340	6.15	19.16	25.31	60.00	-34.69	QP	
12		26.0340	0.52	19.16	19.68	50.00	-30.32	AVG	

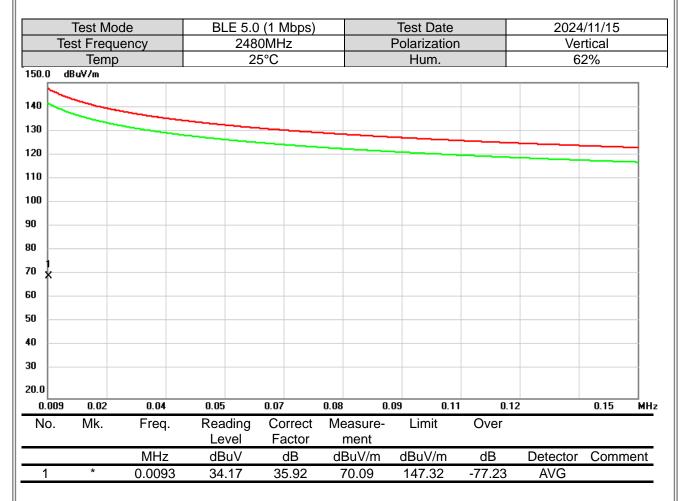
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



APPENDIX B RADIATED EMISSIONS - 9 KHZ TO 30 MHZ

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



	Test Mo			0 (1 Mbps)		Test Date			/11/15	
le	st Frequ			BOMHz		Polarization	1		rtical	
20.0 1	Temp		Ź	25°C		Hum.		62	2%	
20.0 d	RUY/M									\neg
10										
- []										
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0 —										\dashv
10.0	211	0.10	0.10	12.00	15.08 18	200 24	04 044	20	20.00	ᆜ
0.150 No.	3.1 4 Mk.	6.12	9.10	12.09 Correct	Measure-	8.06 21.1 Limit	04 24.0 Over	J3	30.00	MI
INO.	IVIK.	Freq.	Reading Level	Factor	ment	LIIIIII	Ovei			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comm	ant
1		0.3161	53.22	7.29	60.51	116.69	-56.18	QP	COITIII	iGIIL
2	*	1.2443	53.02	-0.26	52.76	84.78	-32.02	QP		
3		8.7428	49.35	-3.36	45.99	88.62	-42.63	QP		
4		13.5606	49.94	-3.36	46.58	88.62	-42.04	QP		
5		14.9854	43.41	-3.50	39.91	88.62	-48.71	QP		
				3.00	23.0.			⊸.		

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



•	Test Mod	de	BLE 5.0) (1 Mbps)		Test Date		2024/11/15			
Te	st Frequ	ency		0MHz		Polarization			zontal		
	Temp		2	5°C		Hum.		62%			
50.0 dE	BuV/m									_	
_	_										
40	_									1	
30										-	
20										-	
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10										1	
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0										1	
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0.0 0.009	0.02	0.04	0.05	0.07	0.08 0.0	09 0.11	0.12		0.15	_ MH	
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		0.13	mi	
INU.	IVIN.	1 164.	Level	Factor	ment	LIIIII	Ovei				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comm	ent	
1	*	0.0092	22.67	35.96	58.63	147.41	-88.78	AVG			

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



	Test Mo			BL		/lbps)	1			Date ization			1/11/15	
ie	st Frequ Temp				<u>0MH</u> 5°C	Z				ızatıor ım.	1	Horizontal 62%		
120.0 dE	<u>renip</u> BuV/m)			 5 C		I		П	лн. -		U	Z 70	
1100 90 80 70 60 50 1 40 30 20 10	2 X		3 X	4 ×		55 X						6 X		
-10.0														
0.150	3.14	6.12		9.10	12.0		15.08		8.06	21.0		.03	30.00	МН
No.	Mk.	Freq.		Rea Le		rrect		asure- nent	LII	nit	Over			
		MHz		dB		dB		BuV/m	dBu	\//m	dB	Detector	Comn	nent
1		0.2315	5	38.		0.37		8.79	119		-70.60	QP	0011111	iont
2		2.1260		41.		2.02		9.43	88		-49.19	QP		
3		7.1866		41.		3.79		7.27	88		-51.35	QP		
4		8.7458		40.	-3.79		36.65		88		-51.97	QP		
5	*	13.559		50.		3.36		7.50	88.62		-41.12	QP		
6		24.485		18.		3.11		5.27	88		-73.35	QP		

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



APPENDIX C	RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

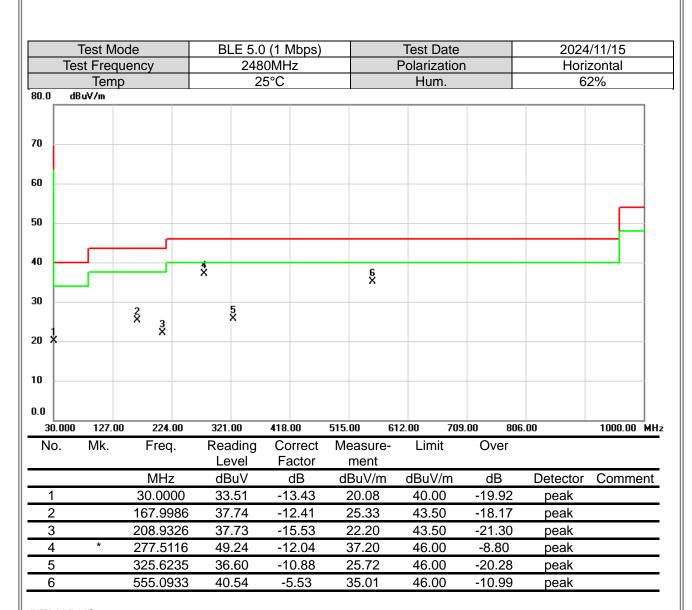
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Report No.: BTL-FCCP-2-2410T032

-	Test Mo	de	BI	_E 5.0) (1 N	(lbps			Test Date		2024	/11/15	
Tes	st Frequ	iency		248	омн	Z			Polarizatio	n	Vei	tical	
	Temp)		2	5°C				Hum.		62	2%	
80.0 dB	uV/m												٦
70													
60													
50													
40			3					5					
30 🛊							4 ×				6 ×		
20													
10													
0.0													
30.000	127.00	224.00	321.	00	418.	00	515.	00 61	2.00 709	9.00 806	.00	1000.00	_мн
No.	Mk.	Freq.		iding vel		rrect ctor		easure- ment	Limit	Over			
		MHz	dE	₿uV	(dΒ	d	BuV/m	dBuV/m	dB	Detector	Comme	ent
1		30.0000	43	.09	-1:	3.43		29.66	40.00	-10.34	peak		
2		119.9837	7 40	.05	-1	4.45		25.60	43.50	-17.90	peak		
3		277.1883	3 51	.89	-12	2.06	,	39.83	46.00	-6.17	peak		
4		475.0037	7 31	.65	-6	.96		24.69	46.00	-21.31	peak		
5	*	555.0933	3 45	.42	-5	.53	,	39.89	46.00	-6.11	peak		
6		831.9637	7 30	.31	-0	.96	-	29.35	46.00	-16.65	peak		

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





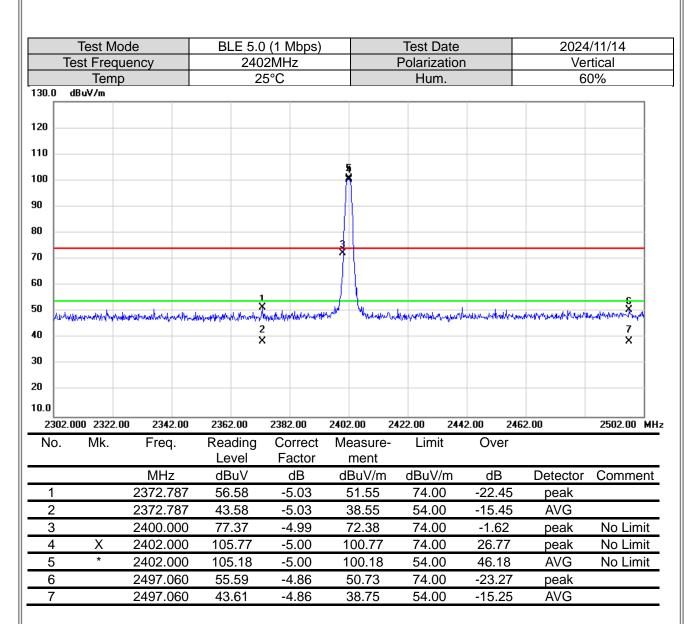
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



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.



	Test Mo		BL		(1 Mbps))		Test Date			/11/14	
Te	Test Frequ				0MHz			Polarization	1		rtical	
400.0	Temp	כ		2	5°C			Hum.		60	0%	
130.0	dBuV/m											7
120												-
110 -												-
100						3						-
90												-
80												-
70												
60						-+	-					-
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50					2460.00	2480.			6 X	0.00	<i>\</i> ~ _{\$} \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
50	2 X		2440 Rea). 00 ding	2460.00 Correct	2480. Me	00 25 asure-		6 X			
50 40 30 20 10.0	2 X	00 2420.00	2440 Rea Le).00	2460.00	2480. Me	00 29	500.00 252	6 X 20.00 254			MH
50	2 X	00 2420.00 Freq.	Rea Le	0.00 ding vel	2460.00 Correct Factor	2480. Me n	00 29 asure- nent	500.00 252 Limit	0.00 254 Over	0.00	2580.00	MH
80 80 0.0 2380.0 No.	2 X	00 2420.00 Freq. MHz	2440 Rea Le dB	o.oo ding vel	2460.00 Correct Factor dB	2480. Me n dB	oo 29 asure- nent BuV/m	500.00 252 Limit dBuV/m	6 X 20.00 254 Over	0.00 Detector	2580.00	MH
60 0.0 0.0 2380.0 No.	2 X	00 2420.00 Freq. MHz 2388.900	2440 Rea Le dB 0 54	o.oo ding vel uV	2460.00 Correct Factor dB -5.01	2480. Me n dB 4	00 25 asure- nent BuV/m 9.85	500.00 252 Limit dBuV/m 74.00	0.00 254 Over dB -24.15	0.00 Detector peak	2580.00	MH
10.0 2380.1 No.	2 X .000 2400.0 Mk.	00 2420.00 Freq. MHz 2388.900 2388.900	2440 Rea Le dB 54 0 54 0 106	0.00 ding vel suV .86	2460.00 Correct Factor dB -5.01	2480. Me n dB 4	00 25 asure- nent BuV/m 9.85 8.25	500.00 252 Limit dBuV/m 74.00 54.00	0.00 254 Over dB -24.15 -15.75	Detector peak AVG	2580.00 Comme	ent
40 30 220 10.0 2380.1 No.	2 X .000 2400.0 Mk.	00 2420.00 Freq. MHz 2388.900 2388.900 2480.000	Rea Le dB 54.0 1060	0.00 ding vel uV .86 .26	2460.00 Correct Factor dB -5.01 -5.01	2480. Me n dB 4 3	00 25 asure- nent BuV/m 9.85 8.25)1.48	500.00 252 Limit dBuV/m 74.00 54.00 74.00	0.00 254 Over dB -24.15 -15.75 27.48	Detector peak AVG peak	2580.00 Comme	ent

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



	Test Mo			.0 (2 Mbps)		Test Date			/11/14
Tes	st Frequ			02MHz		Polarizatio	n		rtical
130.0 dB	Temp			25°C		Hum.		6	0%
130.0 06	SUY/M								
120									
110									
100					À				
90									
BO					3				
70									
50									
50 Number	والمعارب والمعاربين	Larrana di	alt sodal a homovaloble	1 Lotableson Hallyson	brief Typhyshory	ayaadhadahahahahaha	Annorthica A. Antallas	Walle Marian and a second	S CONTRACTOR OF THE STATE OF TH
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30									
20									
10.0									
	0 2322.0	0 2342.00		2382.00	2402.00 2			2.00	2502.00 MH
No.	Mk.	Freq.	Reading Level	g Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2387.967	56.40	-5.01	51.39	74.00	-22.61	peak	
2		2387.967	43.95	-5.01	38.94	54.00	-15.06	AVG	
3	Χ	2400.000	85.61	-4.99	80.62	74.00	6.62	peak	No Limit
	Х	2402.000	106.38	-5.00	101.38	74.00	27.38	peak	No Limit
4									
5	*	2402.000	104.56	-5.00	99.56	54.00	45.56	AVG	No Limit
			104.56	-5.00 -4.88 -4.88	99.56 51.29 39.02	54.00 74.00 54.00	45.56 -22.71 -14.98	AVG peak AVG	No Limit

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



	Test Mo			0 (2 Mbps)		Test Date	-		/11/14	
	Test Frequence	•		BOMHz		Polarization	1		rtical	
130.0	Temp dBuV/m	p		25°C		Hum.		60	0%	
										7
120 —										-
10										
					3					
00										1
10										-
80										
'0 -										1
					111					
so										-1
	1				5					1
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50 40 30		rr, starrage, diponentina tibel	berneral Magazine	and the state of t	Sandanan X	eritoris in entretario esperimente de la constante de la const	d had see he was a see a s	Aghara, Late Agrady agrava, vivo	pop de populações de provincia	
50	2 X									
60	2 X 0.000 2400.1	00 2420.00	2440.00	2460.00	2480.00 25	500.00 252	20.00 254	1944	2580.00	
50 10 30 20	2 X		2440.00 Reading	2460.00 Correct	2480.00 25 Measure-					
60	2 X 0.000 2400.1	00 2420.00 Freq.	2440.00 Reading Level	2460.00 Correct Factor	2480.00 25 Measure- ment	500.00 252 Limit	20.00 25 4 Over	0.00	2580.00	MI
0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2 X 0.000 2400.1	00 2420.00 Freq.	2440.00 Reading Level dBuV	2460.00 Correct Factor dB	2480.00 25 Measure- ment dBuV/m	500.00 252 Limit dBuV/m	20.00 254 Over dB	0.00 Detector		MI
00 00 0.0 2380 No.	2 X 0.000 2400.1	00 2420.00 Freq.	2440.00 Reading Level	2460.00 Correct Factor	2480.00 25 Measure- ment	500.00 252 Limit	20.00 25 4 Over	0.00	2580.00	MI
0 0 0 0 0.0 2380. No.	2 X 0.000 2400.1	00 2420.00 Freq. MHz 2388.947	2440.00 Reading Level dBuV 54.75	2460.00 Correct Factor dB -5.01	2480.00 25 Measure- ment dBuV/m 49.74	500.00 252 Limit dBuV/m 74.00	20.00 254 Over dB -24.26	Detector peak	2580.00	MI ent
0 0 0 0 0 0 0 2380 No.	2 X 0.000 2400.0 Mk.	00 2420.00 Freq. MHz 2388.947 2388.947	2440.00 Reading Level dBuV 54.75 43.61	2460.00 Correct Factor dB -5.01 -5.01	2480.00 25 Measure- ment dBuV/m 49.74 38.60	500.00 252 Limit dBuV/m 74.00 54.00	20.00 254 Over dB -24.26 -15.40	Detector peak AVG	2580.00 Comme	MI-
60 60 0.0 2380 No.	2 X 0.000 2400.0 Mk.	00 2420.00 Freq. MHz 2388.947 2388.947 2480.000	2440.00 Reading Level dBuV 54.75 43.61 107.47	2460.00 Correct Factor dB -5.01 -5.01 -4.89	2480.00 25 Measure- ment dBuV/m 49.74 38.60 102.58	500.00 252 Limit dBuV/m 74.00 54.00 74.00	20.00 254 Over dB -24.26 -15.40 28.58	Detector peak AVG peak	2580.00 Comme	MI-

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



	Test Mo			BLI) (1 M					Test D					/11/12
	Test Freq					2MHz	-			P	olariza					rtical
	Tem	p			2	3°C					Hum	۱.			6	1%
130.0	dBuV/m															
120																
110 —																
100																
90																
80																
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50			1 X													
ю _																
30			2 X													
20																
10.0																
	.000 2700.		00	6100.		7800.		9500			00.00		00.00	1460	0.00	18000.00 MF
No.	Mk.	Freq.		Read Lev			rect ctor		easure ment	9-	Limit	t	Ove	er		
		MHz		dBu			В		3uV/m	1	dBuV/	m	dB		Detector	Comment
1		4804.00	00	43.8		0.8			4.76		74.00		-29.2		peak	
2	*	4804.00	00	30.9		0.8	38	3	31.86		54.00)	-22.1	4	AVG	

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



		st Mo			BL) (1 M 2MH					Test D Polariz					/11/12 zontal	
		Temp	uency				201⊓2 3°C	<u> </u>				Hun		<u> </u>			2011(a) 1%	
130.0	dBuV)				3 C					Hull	[].			0	170	
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120																		
110																		
100																		
90																		
во																		
70 F																		
so <u> </u>																		
50				1 X														
10																		
30				2 X														
20																		
10.0																		
		2700.0		00.00	6100		7800.		9500			200.00		00.00		00.00	18000.00 N	ИH
No.	1	Иk.	Fre	q.		ding vel		rect ctor		easu ment		Lim	it	Ov	er			
			MH	Z	dB	uV	d	В	dl	BuV/	m	dBuV	/m	dE	3	Detector	Commer	٦t
1			4804.	000	44	.05	0.	88		14.93	3	74.0	0	-29.	07	peak		
2		*	4804.	000	31	.05	0.	88	(31.93	3	54.0	0	-22.	07	AVG		

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



		st Mo			BL		(1 Mb)	os)			Test D				1/11/12
		Frequ					0MHz				Polariza				rtical
30.0	dBuV	Temp				2	3°C				Hum	1.		6	1%
JU.U	ubut	7 1111													
120 _															
10															
00															
90															
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20															
0.0															
		2700.0			6100		7800.00		500.00		200.00			14600.00	18000.00 MH
No.	N	Лk.	Freq	•	Rea Le		Corre Fact		Measu men		Limi	t	Ove	r	
			MHz		dB		dB		dBuV	/m	dBuV/	/m	dB	Detector	Comment
1			4880.0	00	44.	.47	1.03	3	45.5	0	74.0	0	-28.5		
2		*	4880.0	00	32.	.04	1.03	3	33.0	7	54.0	0	-20.9	3 AVG	

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



		st Mo			BL		(1 Mbr	os)			Test D				4/11/12
		Frequ					0MHz				Polariza				izontal
30.0	dBuV	Temp					3°C				Hum	1.			61%
	0001														
20 _															
10															
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o F															
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80															
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10.0															
No.		2700.0			6100		7800.00		00.00		200.00 Limi		00.00 Ove	14600.00	18000.00 MH
INO.	IV	Лk.	Freq	•	Le	ding vel	Corre Facto		Measu men		LIIIII	ι	Ove	II.	
			MHz		dB		dB		dBuV/	m_	dBuV/	/m	dB	Detector	Comment
1			4880.0	00	44.		1.03		45.2		74.0		-28.7		
2		*	4880.0	00	32	.08	1.03	3	33.1	1	54.0	0	-20.8	9 AVG	

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



		t Mod			BL		(1 M					Test D					/11/12	
	Test F		ency				0MHz	<u> </u>				Polariza)			rtical	
		emp				2	3°C					Hun	n.			6	1%	
130.0	dBuV/	m																7
120																		
10																		-
100																		-
90																		-
30																		-
'o																		-
io _																		-
io =				1 X														†
0																		-
30 <u> </u>				2 X														-
20																		
0.0																		
).000 2				6100		7800.		9500			200.00		00.00	1460	0.00	18000.00) MH
No.	M	k.	Freq		Read Lev			rect ctor		easur ment		Limi	it	Ove	er			
			MHz		dB		d	В	dl	3uV/r	m	dBuV	/m	dB	}	Detector	Comme	ent
1_			4960.0	00	45.	18	1.	21		16.39)	74.0	0	-27.6	61	peak		
2	,	k	4960.0	00	32.	06	1.	21	- (33.27	,	54.0	0	-20.	73	AVG		

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



	Test Mo		В) (1 Mbps)			Test Da			1/11/12
To	est Frequ				0MHz			Polariza			zontal
	Temp)		2	3°C			Hum		6	1%
130.0	dBuV/m										
120											
110											
100											
90											
80											
70											
60											
50			1 X								
40											
30			2 X								
20											
10.0											
	000 2700.0			0.00	7800.00	9500.00		200.00	12900.00	14600.00	18000.00 MHz
No.	Mk.	Freq.		ading evel	Correct Factor	Meas me		Limit	Ove	er	
		MHz		BuV	dB	dBu		dBuV/	m dB	Detector	Comment
1		4960.00	0 4	3.45	1.21	44.		74.00	-29.3	34 peak	
2	*	4960.00	0 32	2.02	1.21	33.	.23	54.00	-20.7	77 AVG	

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



		st Mo			BL		(2 Mb	ps)				Test D					/11/12
		Frequ					2MHz		-		ŀ	Polariza					rtical
130.0	dBuV	Temp				2	3°C					Hun	٦.			6	1%
130.0	ubuv	7111															
120																	
110																	
100																	
30																	
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o																	
io																	
io				1 X													
10 <u> </u>																	
30				2 X													
20																	
10.0																	
		2700.0			6100		7800.00		9500.			200.00		00.00		00.00	18000.00 MI
No.	ſ	Иk.	Freq	•	Rea Le	ding vel	Corre Fact			asur nent	e-	Limi	t	Ove	er		
			MHz		dB	uV	dB		dB	uV/r	n	dBuV	/m	dE	3	Detector	Comment
1			4804.0	00	44.	.06	0.8	8	4	4.94		74.0	0	-29.	06	peak	
2		*	4804.0	00	31.	.03	0.8	8	3	1.91		54.0	0	-22.	09	AVG	

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



		st Mo			BL) (2 M 2MHz					Test D Polariz					/11/12 zontal	
		Temp	iency				3°C					Hun					2011(a) 1%	
130.0	dBuV)				3 C					nun	l			0	170	
T	abar	·																
120																		
110																		
100																		
90																		
во																		
70 F																		
50 <u> </u>																		
50				1 X														
4 0																		
30				2 X														
20																		
10.0																		
		2700.0		0.00	6100		7800.0		9500			200.00		00.00		0.00	18000.00 M	4H
No.	ľ	Лk.	Fred	٦.	Rea Le		Cor Fac			easu ment		Lim	it	Ov	er			
			MH:	Z	dB	uV	d			3uV/		dBuV	/m	dE	3	Detector	Commen	nt
1			4804.0	000	44.	.57	0.0	38	4	15.45	5	74.0	0	-28.	55	peak		
2		*	4804.0	000	30	92	0.0	38	(31.80)	54.0	0	-22.	20	AVG		

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



		st Mo			BL	E 5.0						Test D					/11/12	
			iency				0MH	<u>Z</u>				Polariz		1			rtical	
130.0	dBuV	Temp)			2	3°C					Hun	n.			6	1%	
130.0	ubu¥	7111																
120																		
110																		
100																		
90																		
80																		
70																		
50 _																		
50				1 X														
10 <u> </u>																		
30				2 X														
20																		
10.0																		
		2700.0	0 4400	0.00	6100		7800.	00	9500			200.00		00.00		00.00	18000.00 N	ИH
No.	N	Λk.	Freq	.	Rea Le			rect ctor		easu ment		Lim	it	Ov	er			
			MHz	7	dB	uV		ΙB		BuV/		dBuV	/m	dE	3	Detector	Commer	nt
1			4880.0	000	44.	.65	1.	03		45.68	3	74.0	0	-28.	32	peak		
2		*	4880.0	000	31.	.95	1.	03	(32.98	3	54.0	0	-21.	02	AVG		

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



		st Mo			BL	E 5.0						Test D					/11/12
			iency				0MH	Z				Polariz		1			zontal
130.0	dBuV	Temp				2	3°C					Hur	n.			6	1%
130.0	ubuv	7111															
120																	
110																	
100																	
90																	
во																	
70																	
so <u> </u>																	
50 =				1													
10 <u> </u>				1 X													
30				2 X													
20																	
10.0																	
		2700.0	0 4400).00	6100		7800	.00	9500			200.00		00.00		00.00	18000.00 M
No.	N	/lk.	Freq	•		ding vel		rrect		easu ment		Lim	it	Ov	er		
			MHz	<u>-</u>	dB	uV		dΒ		BuV/		dBuV	/m	dE	3	Detector	Commen
1			4880.0	000	43.	.58	1	.03	4	14.61		74.0	0	-29.	39	peak	
2		*	4880.0	000	31	.92	1	.03	- (32.95	5	54.0	0	-21.	05	AVG	

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



т	Test fest Fre				BL	E 5.0	0 (2 M 0MH					Test Descrizion					/11/12 rtical	_
<u> </u>		ique np	ericy				3°C					-olariz Hur		<u> </u>			1%	
130.0	dBuV/m	пр					3 C					i iui	11.			0	1 /0	
120 🕌																		
110																		
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10.0																		
	000 270				6100		7800		9500			200.00		00.00		00.00	18000.00	ИH
No.	Mk.		Freq	•		ding vel		rrect ctor		easu ment		Lim	it	Ov	er			
			MHz		dB			B		BuV/		dBu√	//m	dE	3	Detector	Commer	nt
1			4960.0	00	44	.59	1.	.21	4	45.80)	74.0	00	-28.	20	peak		
2	*		4960.0	00	31	.97	1.	.21	(33.18	3	54.0	00	-20.	82	AVG		

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



	Test Mo		BL		(2 Mbps)			Test Da			024/11/12
Te	est Frequ				0MHz			Polariza		F	lorizontal
	Temp)		23	3°C			Hum			61%
130.0	dBuV/m										
120											
110											
100											
90											
80											
70											
60											
50			1 X								
40											
30			2 X								
20											
10.0											
1000.0	000 2700.0	00 4400.00	0 6100	0.00	7800.00	9500.0	0 1	1200.00	12900.00	14600.00	18000.00 MHz
No.	Mk.	Freq.	Rea Le	ding vel	Correct Factor		sure- ent	Limit	: Ov	er	
		MHz	dB	uV	dB		ıV/m	dBuV/	m dE	B Detec	tor Comment
1		4960.000) 44	.29	1.21		.50	74.00) -28.	50 peal	<
2	*	4960.000	31	.96	1.21	33	.17	54.00	-20.	83 AVG	3

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



	Test M			BL		(1 Mbps	s)			Test D				/11/15
	Test Freq					0MHz			<u> </u>	Polariza				rtical
	Tem	р			2	5°C				Hum	١.		6	2%
130.0	dBuV/m													
120 _														
110														
100														
90														
во														
70 F														
so														
50			1 X											
10 L														
30 L			2 X											
20														
10.0														
180	00.000 18850	0.00 19	700.00	2055	0.00	21400.00	222	50.00	23	100.00	239	50.00 2	24800.00	26500.00 MH
No.	Mk.	Fre	eq.	Rea Le		Correct Factor		easur ment	e-	Limi	t	Over		
		M	Ηz	dB		dB		BuV/r	n	dBuV/	/m	dB	Detector	Comment
1		1984	0.00	53.	.66	-7.30		46.36		74.0	0	-27.64		
2	*	1984	0.00	42.	.05	-7.30		34.75		54.0	0	-19.25	5 AVG	

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



	Test Mo			BL		(1 Mbps)			Test D				/11/15
	Test Frequ					0MHz			F	Polariza				zontal
130.0	Temp dBuV/m)			2	5°C				Hum	l		6	2%
130.0	UDUY/III													
120 _														
110														
100														
30 <u> </u>														
BO														
'o														
io														
50			1 X											
10 L			2											
80			×											
20														
0.0														
180	00.000 18850	.00 1970	00.00	20550	0.00	21400.00	222	50.00	23	100.00	2395	0.00	24800.00	26500.00 MH
No.	Mk.	Freq		Read Lev		Correct Factor		easure ment)-	Limit	t	Ove	r	
		MHz	<u>-</u>	dBu		dB		BuV/m	1	dBuV/	m	dB	Detector	Comment
1		19840		53.3		-7.30		46.03		74.00		-27.9		
2	*	19840	.00	41.9	93	-7.30		34.63		54.00)	-19.3	7 AVG	

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



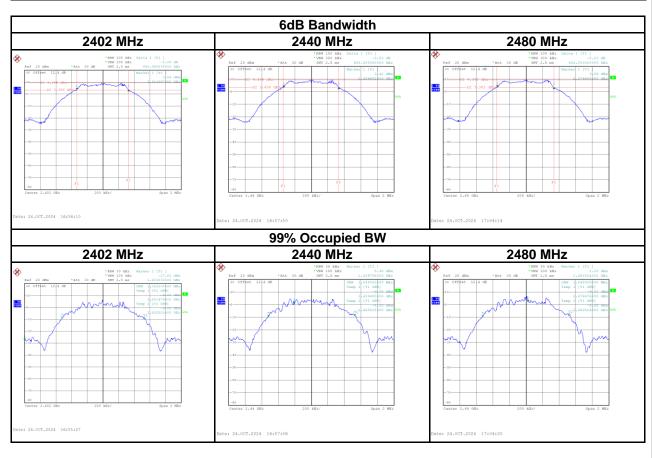
Report No.: BTL-FCCP-2-2410T032 APPENDIX E BANDWIDTH

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Test Mode: 1Mbps

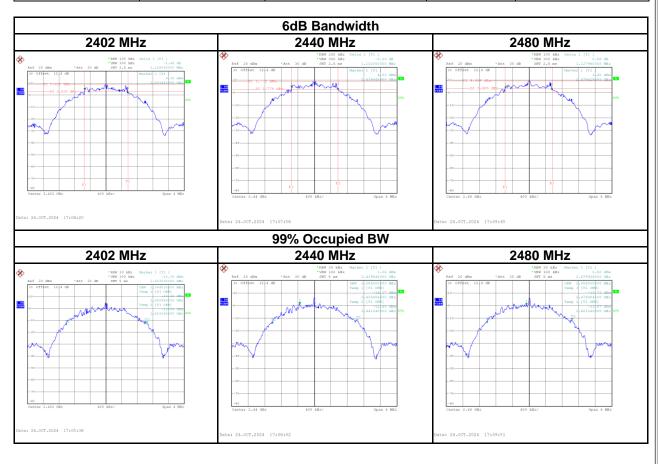
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2402	0.66	1.05	500	Pass
2440	0.67	1.05	500	Pass
2480	0.68	1.05	500	Pass

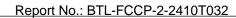




Test Mode: 2Mbps

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2402	1.12	2.06	500	Pass
2440	1.13	2.06	500	Pass
2480	1.13	2.06	500	Pass







APPENDIX F OUTPUT POWER

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Report No.: BTL-FCCP-2-2410T032

Test Mode: 1Mbps Tested Date 2024/10/24	Test Mode :	1Mbps	Tested Date	2024/10/24
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	9.76	0.0095	30.00	1.0000	Pass
2440	9.97	0.0099	30.00	1.0000	Pass
2480	9.96	0.0099	30.00	1.0000	Pass

Test Mode :	2Mbps	Tested Date	2024/10/24
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	9.95	0.0099	30.00	1.0000	Pass
2440	9.99	0.0100	30.00	1.0000	Pass
2480	9.98	0.0100	30.00	1.0000	Pass

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APPENDIX G POWER SPECTRAL DENSITY TEST

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Test Mode: 1Mbps

Frequency (MHz)	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Test Result
2402	-7.02	8	Pass
2440	-7.23	8	Pass
2480	-7.23	8	Pass





Test Mode: 2Mbps

Frequency (MHz)	Power Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Test Result
2402	-9.52	8	Pass
2440	-9.70	8	Pass
2480	-7.59	8	Pass





APPENDIX H	ANTENNA CONDUCTED SPURIOUS EMISSION

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