



Prüfbericht-Nr.: <i>Test report no.:</i>	CN232OYL (FCC-Colocated) 001	Auftrags-Nr.: <i>Order no.:</i>	48224241	Seite 1 von 17 Page 1 of 17
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2023-09-23	
Auftraggeber: <i>Client:</i>	Getac Technology Corporation. 5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang Dist., Taipei City 11568, Taiwan, R.O.C.			
Prüfgegenstand: <i>Test item:</i>	Tablet PC			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	F110,F110-501			
Auftrags-Inhalt: <i>Order content:</i>	Spot Checking Emissions (FCC)			
Prüfgrundlage: <i>Test specification:</i>	FCC 47CFR Part 15: Subpart C Section 15.247 FCC 47CFR Part 15: Subpart E Section 15.407			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2023-09-26			
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003570410-001			
Prüfzeitraum: <i>Testing period:</i>	2023-10-04			
Ort der Prüfung: <i>Place of testing:</i>	EMC/RF Taipei Testing Site			
Prüflaboratorium: <i>Testing laboratory:</i>	Taipei Testing Laboratories			
Prüfergebnis*: <i>Test result*:</i>	Pass			
zusammengestellt von: <i>compiled by:</i>		genehmigt von: <i>authorized by:</i>		
Datum: <i>Date:</i> 2023-10-23	David Huang	Ausstellungsdatum: <i>Issue date:</i> 2023-10-23	Brenda Chen	
Stellung / Position:	Project Manager	Stellung / Position:	Senior Project Manager	
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend 3 = satisfactory	4 = ausreichend N/A = nicht anwendbar 4 = sufficient N/A = not applicable
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	5 = mangelhaft N/T = nicht getestet 5 = poor N/T = not tested	
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>				

TEST SUMMARY

Report Section	FCC Clause	Test Item	Result
5.1.1	15.247(d) & 15.407(b) & 15.205 & 15.209	Radiated Spurious Emissions and Band Edges	Pass
-	15.207	Mains Conducted Emission	Not Applicable

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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APPENDIX A - TEST RESULT OF RADIATED EMISSIONS

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HISTORY OF THIS TEST REPORT

Revision	Description	Date Issued
R01	Original Release	2023-10-23

1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A - Test Result of Radiated Emissions

Appendix SP - Photographs of Test Setup

Appendix EP - Photographs of EUT

Applied Standard and Test Levels

Radio
FCC CFR47 Part 15: Subpart C Section 15.247
FCC CFR47 Part 15: Subpart E Section 15.407
FCC CFR47 Part 2: Subpart J Section 2.1091
ANSI C63.10:2013
KDB 558074 D01 15.247 Meas Guidance v05r02
KDB 996369 D04 Module Integration Guide v01

1.2 Decision Rule of Conformity

The decision rule of conformity of this test report is following the requirements of the requested standard in the quotation, and agreed among testing laboratory and manufacturer (applicant) to exclude the consideration of Measurement Uncertainty, unless it is required by the specific standard.

2. Test Sites

2.1 Test Laboratory

Taipei Testing Laboratories

11F. No.758, Sec. 4, Bade Rd., Songshan Dist.
Taipei City 105
Taiwan (R.O.C.)

2.2 Test Facility

Taipei Testing Laboratories

No.458-18, Sec. 2, Fenliao Rd., Linkou Dist.,
New Taipei City 244
Taiwan (R.O.C.)
FCC Registration No.: 180491
ISED Registration No.: 25563

2.3 Traceability

All measurement equipment calibrations are traceable to NML(Taiwan)/NIST(USA) or where calibration is performed outside Taiwan, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically in a suitably accredited Calibration Lab. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

All measurement uncertainty values are shown with a coverage factor of $k=2$ to indicate a 95% level of confidence.

Emission Measurement Uncertainty

Parameter	Uncertainty
Radiated Emission (9 kHz ~ 30 MHz)	± 1.15 dB
Radiated Emission (30 MHz ~ 200 MHz)	± 1.30 dB
Radiated Emission (200 MHz ~ 1 GHz)	± 1.30 dB
Radiated Emission (1 GHz ~ 18 GHz)	± 1.54 dB
Radiated Emission (18 GHz ~ 40 GHz)	± 2.52 dB
Mains Conducted Emission	± 1.65 dB

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a Tablet PC. It contains WLAN compatible module enabling the user to communicate data through a Wireless interface.

For details refer to the User Guide, Data Sheet and Circuit Diagram.

3.2 System Details and Ratings

Basic Information of EUT

Item	EUT information
Kind of Equipment/Test Item	Tablet PC
Type Identification	F110,F110-501
FCC ID	QYL-AX201NG

Technical Specification of EUT

Item	EUT information
Operating Frequency	BLE: 2402 MHz ~ 2480 MHz BR/EDR: 2402 MHz ~ 2480 MHz WLAN 2.4G: 2412 MHz ~ 2462 MHz WLAN 5G: Band 1: 5180 MHz ~ 5240 MHz Band 2: 5260 MHz ~ 5320 MHz Band 3: 5500 MHz ~ 5720 MHz Band 4: 5745 MHz ~ 5825 MHz
Operation Voltage	120Vac
Modulation	BLE: GFSK BR/EDR: GFSK, $\pi/4$ -DQPSK, 8DPSK WiFi: DSSS (DBPSK, DQPSK, CCK) OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) OFDMA (1024QAM)
Antenna Information	Refer to note 2 as below

Note:

- All models are listed as below.

Main Model	Series Model	Difference
F110	F110-501	The purpose of model naming differents is for market segmentation purpose only.

2. The antenna list is as below.

ANT No.	Antenna Type	Gain (dBi)				
		WiFi 2.4GHz	WiFi 5GHz			
		2412~2462 MHz	5180~5240 MHz	5260~5320 MHz	5500~5720 MHz	5720~5825 MHz
1	PIFA	1.83	0.58	0.58	0.80	1.11
2	PIFA	1.86	2.15	2.07	1.74	1.40
Max Peak Gain =		1.86	2.15	2.07	1.74	1.40
CDD Mode	Power Directional Gain =	1.86	2.15	2.07	1.74	1.40
	PSD Directional Gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] =$	4.86	4.41	4.37	4.29	4.27
BLE	PIFA	1.83				
BR/EDR	PIFA	1.83				

Note: PSD Directional Gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$

3.3 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.4 Submitted Documents

- Circuit Diagram
- Instruction Manual
- Rating Label
- Technical Description

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The test modes were adapted accordingly in reference to the instructions for use.

During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output expected by the customer and is going to be fixed on the firmware of the final end product.

4.2 Test Operation and Test Software

Setup for testing: Test samples are provided with a LAN interface which makes it possible to control them through a test software installed on a notebook computer.

This software was running on the laptop computer connected to the EUT. It was used to enable the operation modes listed as below.

The samples were used as follows:

A003570410-001 for radiated test

Full test was applied on all test modes, but only worst case was shown.

EUT Configure Mode	Applicable To		Description
	Radiated Spurious Emissions	Mains Conducted Emission	
-	√	-	-

Note:

1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when position on **Y-plane**.
2. "-" means no effect.

Radiated Spurious Emissions

- Pre-Scan full test was applied on all test modes, but only worst case was shown.
- Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode
Bluetooth LE_2M_2440MHz + WiFi 2.4GHz 802.11ax HE20_2437MHz
Bluetooth LE_2M_2440MHz + WiFi 5G 802.11ax HE160_5250MHz
Bluetooth_π/4-DQPSK_2441MHz + WiFi 2.4GHz 802.11ax HE20_2437MHz
Bluetooth_π/4-DQPSK_2441MHz + WiFi 5G 802.11ax HE160_5250MHz

Test Condition

Test Item	Ambient Temperature	Relative Humidity	Tested by
Radiated Spurious Emissions	22.6-24.5 °C	52-54 %	Roger Liao

4.3 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

Accessory of EUT

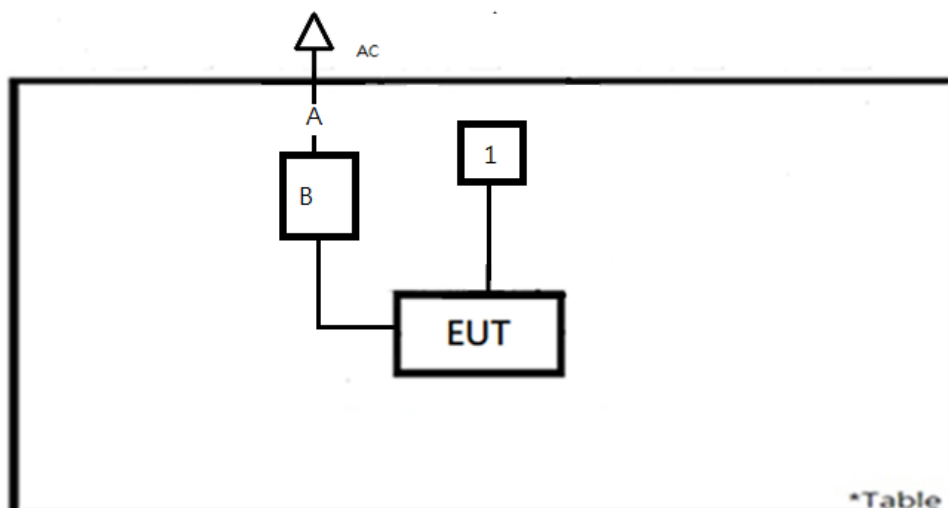
No.	Product	Brand	Model	Description
B	Switching Power Adapter	FSP	FSP090-ABBN3	I/P: 100-240 Vac, 50/60 Hz, 1.2 A O/P: 19 Vdc, 4.74 A A003570410-008

Support Unit

No	Description	Brand	Model	S/N	Shielded	Ferrite Core (Qty)	Length (cm)	Remark
Radiated Test								
A	Power cord	Getac	Getac-01	--	NO	--	180	--
1	Headset	TUV	TUV-01	--	--	--	--	--

4.4 Test Setup Diagram

<Radiated Spurious Emissions Mode>



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Radiated Spurious Emissions

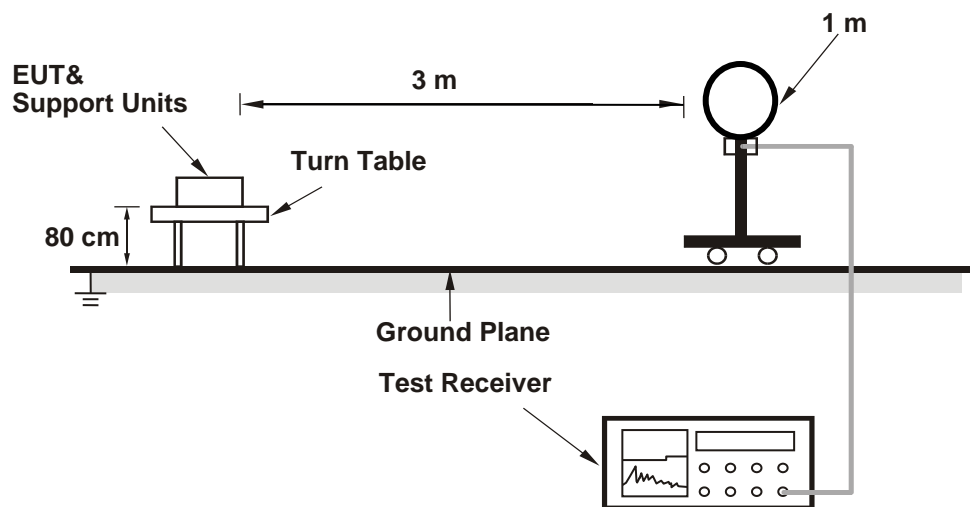
Limit

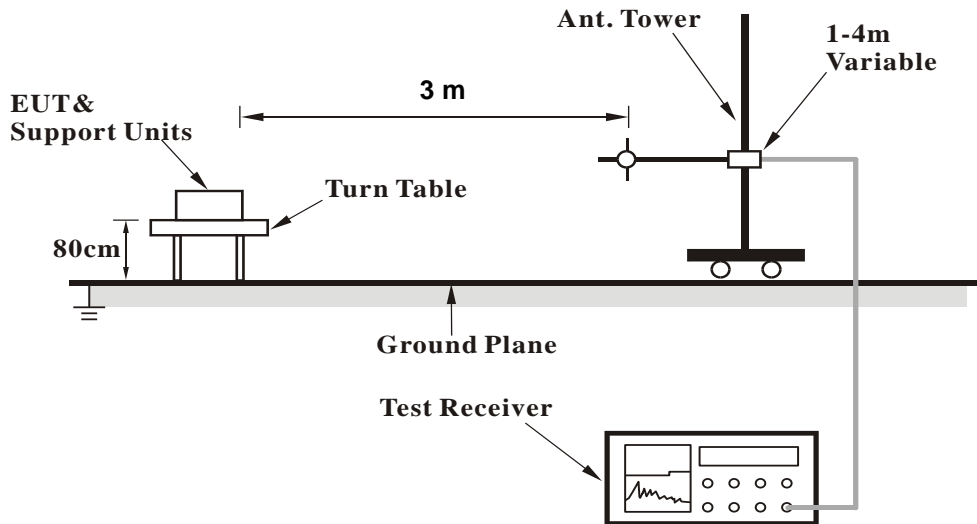
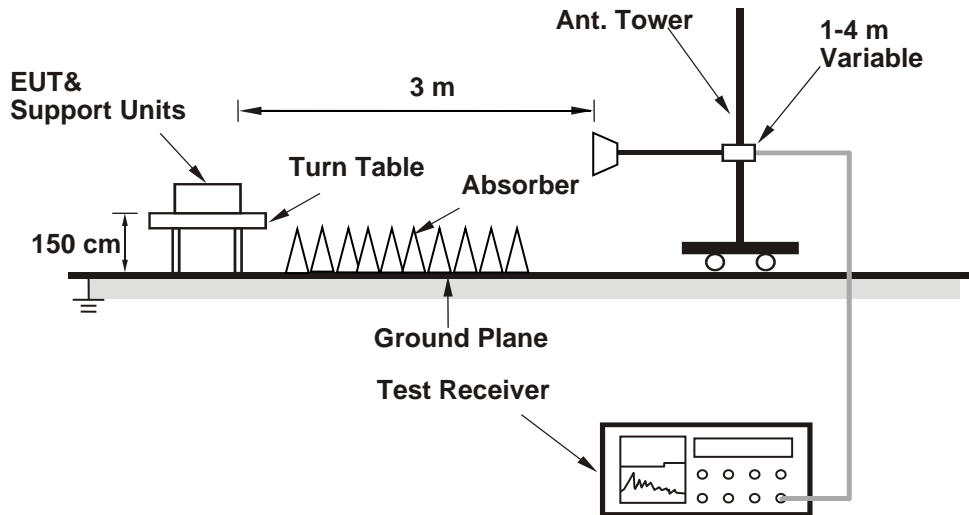
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

Kind of Test Site 3m Semi-Anechoic Chamber

Test Setup

<Radiated Emissions below 30 MHz>



<Radiated Emissions 30 MHz to 1 GHz>

<Radiated Emissions above 1 GHz>


For the actual test configuration, please refer to the attached file (Test Setup Photo).

Test Instruments

Test Date: 2023/10/4

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Above 1 GHz					
Signal Analyzer	R&S	FSV40	101509	2023/4/26	2024/4/24
Horn Antenna	ETS-Lindgren	3117	00218929	2022/11/17	2023/11/16
Horn Antenna	SCHWARZBECK	BBHA 9170	00890	2023/5/4	2024/5/2
HF-AMP + AC source	EMCI	EMC051845SE	980635	2023/2/16	2024/2/15
HF-AMP + AC source	EMCI	EMC051845SE	980656	2023/1/16	2024/1/15
30 MHz ~ 1 GHz					
Receiver	R&S	ESR7	102109	2023/2/24	2024/2/23
Bilog Antenna	SCHWARZBECK	VULB-9168	00951	2023/3/31	2024/3/29
LF-AMP	Agilent	8447D	2944A107722	2023/3/22	2024/3/20
Below 30 MHz					
Receiver	R&S	ESR7	102109	2023/2/24	2024/2/23
Loop Antenna	SCHWARZBECK	FMZB 1519B	00215	2023/1/4	2024/1/3

Test Procedures**For Radiated Emissions below 30 MHz**

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.

For Radiated Emissions above 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98 %) or 10 Hz (Duty cycle ≥ 98 %) for Average detection (AV) at frequency above 1 GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.
5. The Radiated Emissions testing was performed in the X(E1), Y(H) and Z(E2) axis orientation. The worst-case Axis orientation is recorded in this test report.

Test Results

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)
Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)

Please refer to Appendix A.

Appendix A: Test Results of Radiated Emissions

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

Bluetooth LE_2M_2440MHz + WiFi 5G 802.11ax HE160_5250MHz																																																																																																																																																																	
9kHz~150kHz (Open)	150kHz~30MHz (Open)																																																																																																																																																																
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 8px;"> TÜV Rheinland Taiwan Ltd. No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.) Tel: +886-2172-1000 Fax: +886-2172-1322 </div> </div> <div style="text-align: right; font-size: 10px; margin-top: 10px;">Date: 2023-10-04</div> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px; margin-top: 10px;"> <thead> <tr> <th>Freq</th><th>Level</th><th>Read</th><th>Limit</th><th>Over</th><th>APos</th><th>TPos</th><th>Remark</th><th>Pol/Phase</th><th>Note</th> </tr> <tr> <th>MHz</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dBuV/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th> </tr> </thead> <tbody> <tr><td>1</td><td>0.01</td><td>59.12</td><td>41.40</td><td>17.72</td><td>127.60</td><td>-68.48</td><td>100</td><td>26 Peak</td><td>Open</td></tr> <tr><td>2</td><td>0.03</td><td>65.81</td><td>46.86</td><td>18.95</td><td>119.13</td><td>-53.32</td><td>100</td><td>218 Peak</td><td>Open</td></tr> <tr><td>3</td><td>0.05</td><td>46.33</td><td>27.29</td><td>19.04</td><td>113.11</td><td>-66.78</td><td>100</td><td>300 Peak</td><td>Open</td></tr> <tr><td>4</td><td>0.08</td><td>37.06</td><td>18.56</td><td>18.50</td><td>110.00</td><td>-72.94</td><td>100</td><td>284 Peak</td><td>Open</td></tr> <tr><td>5</td><td>0.11</td><td>40.06</td><td>22.10</td><td>17.96</td><td>106.72</td><td>-66.66</td><td>100</td><td>294 Peak</td><td>Open</td></tr> <tr><td>6</td><td>0.13</td><td>34.99</td><td>16.94</td><td>18.05</td><td>105.15</td><td>-70.16</td><td>100</td><td>300 Peak</td><td>Open</td></tr> </tbody> </table>	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			1	0.01	59.12	41.40	17.72	127.60	-68.48	100	26 Peak	Open	2	0.03	65.81	46.86	18.95	119.13	-53.32	100	218 Peak	Open	3	0.05	46.33	27.29	19.04	113.11	-66.78	100	300 Peak	Open	4	0.08	37.06	18.56	18.50	110.00	-72.94	100	284 Peak	Open	5	0.11	40.06	22.10	17.96	106.72	-66.66	100	294 Peak	Open	6	0.13	34.99	16.94	18.05	105.15	-70.16	100	300 Peak	Open	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 8px;"> TÜV Rheinland Taiwan Ltd. No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.) Tel: +886-2172-1000 Fax: +886-2172-1322 </div> </div> <div style="text-align: right; font-size: 10px; margin-top: 10px;">Date: 2023-10-04</div> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px; margin-top: 10px;"> <thead> <tr> <th>Freq</th><th>Level</th><th>Read</th><th>Limit</th><th>Over</th><th>APos</th><th>TPos</th><th>Remark</th><th>Pol/Phase</th><th>Note</th> </tr> <tr> <th>MHz</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dBuV/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th> </tr> </thead> <tbody> <tr><td>1</td><td>0.54</td><td>40.76</td><td>21.09</td><td>18.07</td><td>72.99</td><td>-32.23</td><td>100</td><td>332 Peak</td><td>Open</td></tr> <tr><td>2</td><td>6.48</td><td>33.24</td><td>13.12</td><td>20.12</td><td>69.50</td><td>-36.26</td><td>100</td><td>85 Peak</td><td>Open</td></tr> <tr><td>3</td><td>11.19</td><td>34.59</td><td>12.93</td><td>21.66</td><td>69.50</td><td>-34.91</td><td>100</td><td>235 Peak</td><td>Open</td></tr> <tr><td>4</td><td>17.49</td><td>35.04</td><td>12.92</td><td>22.12</td><td>69.50</td><td>-34.46</td><td>100</td><td>54 Peak</td><td>Open</td></tr> <tr><td>5</td><td>21.31</td><td>35.48</td><td>13.17</td><td>22.31</td><td>69.50</td><td>-34.02</td><td>100</td><td>158 Peak</td><td>Open</td></tr> <tr><td>6</td><td>27.02</td><td>35.78</td><td>13.42</td><td>22.36</td><td>69.50</td><td>-33.72</td><td>100</td><td>254 Peak</td><td>Open</td></tr> </tbody> </table>	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			1	0.54	40.76	21.09	18.07	72.99	-32.23	100	332 Peak	Open	2	6.48	33.24	13.12	20.12	69.50	-36.26	100	85 Peak	Open	3	11.19	34.59	12.93	21.66	69.50	-34.91	100	235 Peak	Open	4	17.49	35.04	12.92	22.12	69.50	-34.46	100	54 Peak	Open	5	21.31	35.48	13.17	22.31	69.50	-34.02	100	158 Peak	Open	6	27.02	35.78	13.42	22.36	69.50	-33.72	100	254 Peak	Open
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2	6.48	33.24	13.12	20.12	69.50	-36.26	100	85 Peak	Open																																																																																																																																																								
3	11.19	34.59	12.93	21.66	69.50	-34.91	100	235 Peak	Open																																																																																																																																																								
4	17.49	35.04	12.92	22.12	69.50	-34.46	100	54 Peak	Open																																																																																																																																																								
5	21.31	35.48	13.17	22.31	69.50	-34.02	100	158 Peak	Open																																																																																																																																																								
6	27.02	35.78	13.42	22.36	69.50	-33.72	100	254 Peak	Open																																																																																																																																																								

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

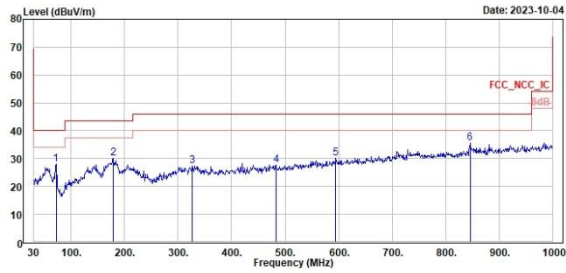
Bluetooth LE_2M_2440MHz + WiFi 2.4GHz 802.11ax HE20_2437MHz

Horizontal

Vertical



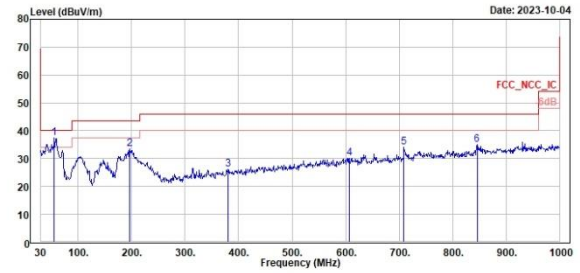
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1	2	3	4	5	6					
Level	Level	Level	Level	Level	Level					
Factor	Factor	Factor	Factor	Factor	Factor					
Line	Line	Line	Line	Line	Line					
Limit	Limit	Limit	Limit	Limit	Limit					
Over	Over	Over	Over	Over	Over					
Limit	Limit	Limit	Limit	Limit	Limit					
Apos	Apos	Apos	Apos	Apos	Apos					
TPos	TPos	TPos	TPos	TPos	TPos					
Remark	Remark	Remark	Remark	Remark	Remark					
Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase					
Note	Note	Note	Note	Note	Note					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB					
71.71	28.03	37.07	-9.04	40.00	-11.97	200	239	Peak	Horizontal	
178.41	30.04	36.65	-6.61	43.50	-13.46	200	280	Peak	Horizontal	
326.82	27.39	31.40	-4.01	46.00	-18.61	100	323	Peak	Horizontal	
482.99	27.65	29.41	-1.76	46.00	-18.35	200	54	Peak	Horizontal	
594.54	30.22	29.86	0.36	46.00	-15.78	100	290	Peak	Horizontal	
845.77	35.67	31.57	4.10	46.00	-10.33	100	348	Peak	Horizontal	



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1	2	3	4	5	6					
Level	Level	Level	Level	Level	Level					
Factor	Factor	Factor	Factor	Factor	Factor					
Line	Line	Line	Line	Line	Line					
Limit	Limit	Limit	Limit	Limit	Limit					
Over	Over	Over	Over	Over	Over					
Limit	Limit	Limit	Limit	Limit	Limit					
Apos	Apos	Apos	Apos	Apos	Apos					
TPos	TPos	TPos	TPos	TPos	TPos					
Remark	Remark	Remark	Remark	Remark	Remark					
Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase					
Note	Note	Note	Note	Note	Note					
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB					
55.22	37.30	43.24	-5.94	40.00	-2.70	100	274	Peak	Vertical	
196.04	33.41	41.00	-7.59	43.50	-10.09	100	64	Peak	Vertical	
380.17	26.00	29.32	-3.32	46.00	-19.92	200	207	Peak	Vertical	
607.15	30.15	29.72	0.43	46.00	-15.85	100	358	Peak	Vertical	
709.00	34.22	32.01	2.21	46.00	-11.78	200	215	Peak	Vertical	
845.77	34.98	30.88	4.10	46.00	-11.02	200	272	Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

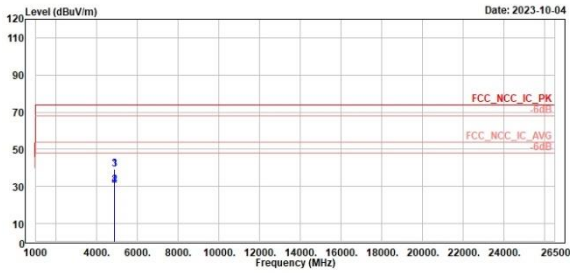
Bluetooth LE_2M_2440MHz + WiFi 2.4GHz 802.11ax HE20_2437MHz

(Horizontal) Peak

(Vertical) Peak



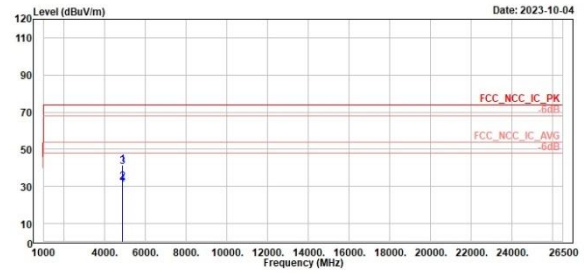
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Line	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4874.00	39.12	48.15	-9.03	74.00	-34.88	390	338 Peak	Horizontal	
2	4874.00	30.40	39.43	-9.03	54.00	-23.60	390	338 Average	Horizontal	
3	4880.00	39.28	48.32	-9.04	74.00	-34.72	200	2 Peak	Horizontal	
4	4880.00	30.60	39.64	-9.04	54.00	-23.40	200	2 Average	Horizontal	



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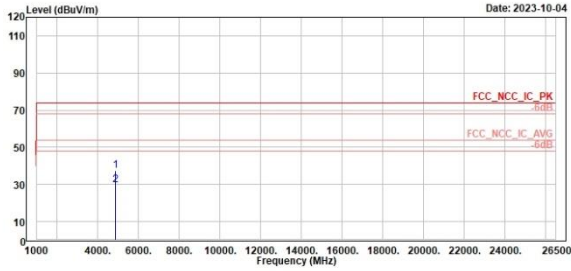


Line	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4874.00	41.67	50.70	-9.03	74.00	-32.33	180	290 Peak	Vertical	
2	4874.00	32.23	41.26	-9.03	54.00	-21.77	180	290 Average	Vertical	
3	4880.00	40.75	49.79	-9.04	74.00	-33.25	158	360 Peak	Vertical	
4	4880.00	30.87	39.91	-9.04	54.00	-23.13	158	360 Average	Vertical	

Bluetooth LE_2M_2440MHz + WiFi 5G 802.11ax HE160_5250MHz
(Horizontal) Peak (Vertical) Peak



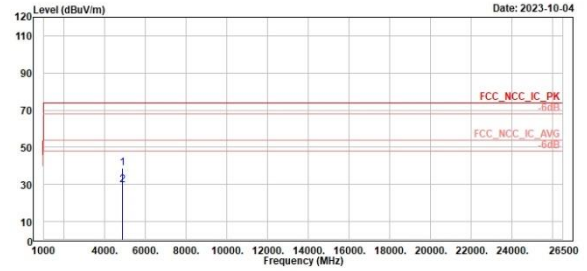
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Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4880.00	37.27	46.31	-9.04	74.00	-36.73	100	328	Peak	Horizontal
2	4880.00	29.85	38.09	-9.04	54.00	-24.15	100	328	Average	Horizontal



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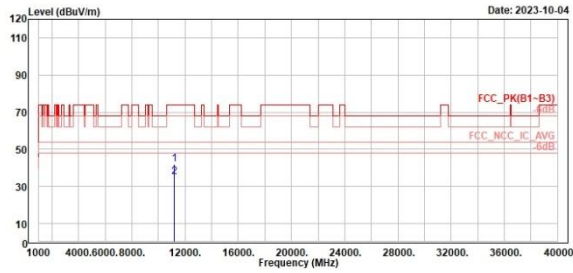


Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4880.00	38.73	47.77	-9.04	74.00	-35.27	100	38	Peak	Vertical
2	4880.00	29.76	38.00	-9.04	54.00	-24.24	100	38	Average	Vertical

Bluetooth LE_2M_2440MHz + WiFi 5G 802.11ax HE160_5250MHz
(Horizontal) Peak (Vertical) Peak



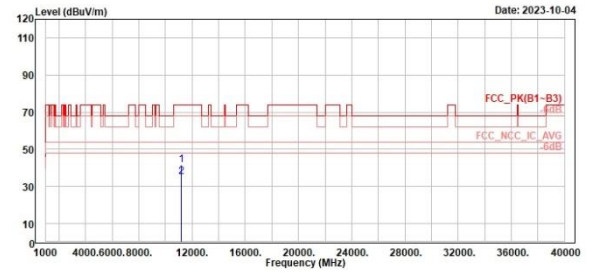
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Read	Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11220.00	41.92	43.59	-1.67	74.00	-32.08	300	316 Peak	Horizontal
2	11220.00	35.13	36.00	-1.67	54.00	-18.87	300	316 Average	Horizontal



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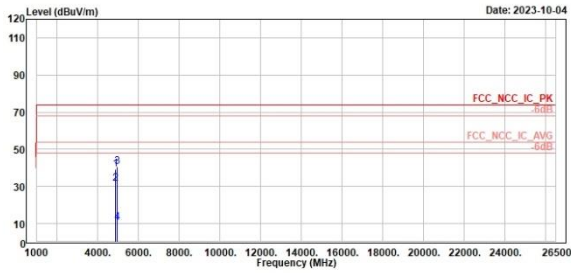


Read	Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	11220.00	41.36	43.03	-1.67	74.00	-32.64	300	100 Peak	Vertical
2	11220.00	35.24	36.91	-1.67	54.00	-18.76	300	100 Average	Vertical

Bluetooth LE_2M_2440MHz + WiFi 5G 802.11ax HE160_5250MHz
(Horizontal) Peak (Vertical) Peak



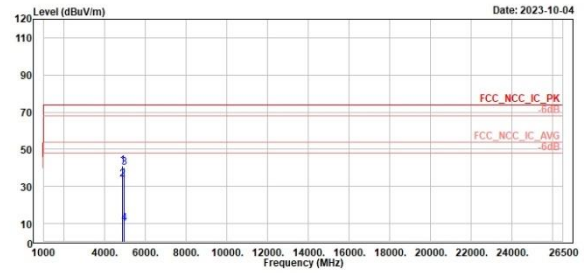
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Line	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4874.00	39.24	48.27	-9.03	74.00	-34.75	180	43	Peak	Horizontal	
2	4874.00	31.27	40.30	-9.03	54.00	-22.73	180	43	Average	Horizontal	
3	4968.00	40.46	49.30	-8.84	74.00	-33.54	300	74	Peak	Horizontal	
4	4968.00	10.36	19.20	-8.84	54.00	-43.64	300	74	Average	Horizontal	CF



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Line	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4874.00	40.95	49.98	-9.03	74.00	-33.05	200	318	Peak	Vertical	
2	4874.00	33.57	42.60	-9.03	54.00	-20.43	200	318	Average	Vertical	
3	4968.00	39.95	48.79	-8.84	74.00	-34.05	180	360	Peak	Vertical	
4	4968.00	9.85	18.69	-8.84	54.00	-44.15	180	360	Average	Vertical	CF

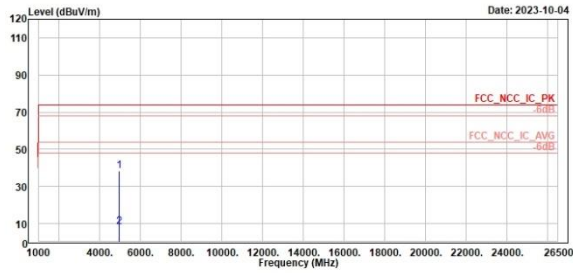
Bluetooth_π/4-DQPSK_2441MHz + WiFi 5G 802.11ax HE160_5250MHz

(Horizontal) Peak

(Vertical) Peak



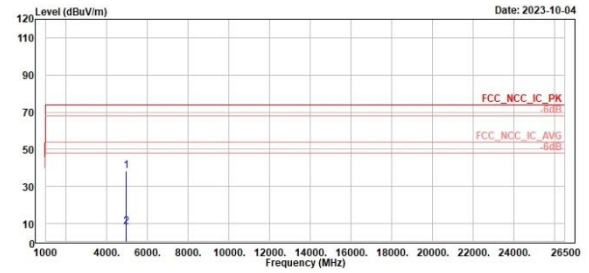
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Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4968.00	38.39	47.23	-8.84	74.00	-35.61	100	104 Peak	Horizontal
2	4968.00	8.29	17.13	-8.84	54.00	-45.71	100	104 Average	Horizontal CF



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Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4968.00	38.12	46.96	-8.84	74.00	-35.88	100	94 Peak	Vertical
2	4968.00	8.02	16.86	-8.84	54.00	-45.98	100	94 Average	Vertical CF

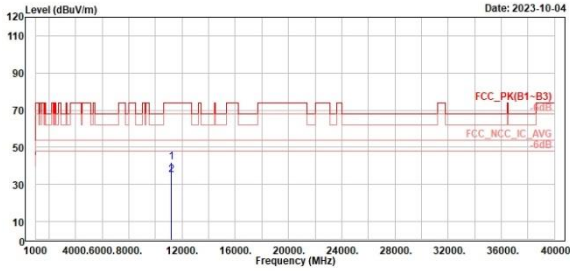
Bluetooth_π/4-DQPSK_2441MHz + WiFi 5G 802.11ax HE160_5250MHz

(Horizontal) Peak

(Vertical) Peak



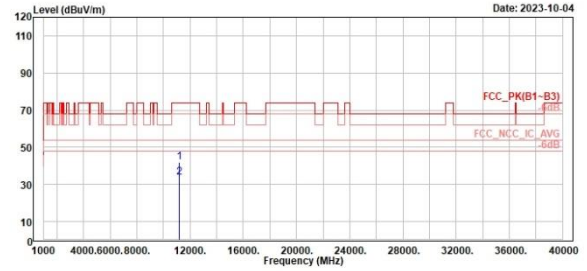
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1	11220.00	42.20	43.87	-1.67	74.00	-31.80	100	59	Peak	Horizontal	
2	11220.00	35.18	36.85	-1.67	54.00	-18.82	100	59	Average	Horizontal	



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1	11220.00	42.20	43.87	-1.67	74.00	-31.80	100	228	Peak	Vertical	
2	11220.00	33.74	35.41	-1.67	54.00	-20.26	100	228	Average	Vertical	