

CLASS II PERMISSIVE CHANGE

RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART C

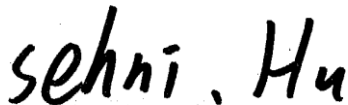
Test Standard	FCC Part 15.247
Product name	7.8" Digital Note Pad; 7.8" Color Digital Note Pad; 7.8" Digital Reader; 7.8" Color Digital Reader
Brand Name	MobiScribe
Model No.	E70P24
Test Result	Pass
Statements of Conformity	Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

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

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc. (Wugu Laboratory)

Approved by:



Sehni Hu
Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	November 23, 2023	Initial Issue	ALL	Peggy Tsai

Table of contents

1. GENERAL INFORMATION.....	4
1.1 EUT INFORMATION.....	4
1.2 EUT CHANNEL INFORMATION.....	6
1.3 ANTENNA INFORMATION.....	6
1.4 MEASUREMENT UNCERTAINTY	7
1.5 FACILITIES AND TEST LOCATION.....	8
1.6 INSTRUMENT CALIBRATION	8
1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT	9
1.8 TEST METHODOLOGY AND APPLIED STANDARDS.....	9
2. TEST SUMMARY.....	10
3. DESCRIPTION OF TEST MODES.....	11
3.1 THE WORST MODE OF OPERATING CONDITION	11
3.2 THE WORST MODE OF MEASUREMENT.....	12
4. TEST RESULT.....	13
4.1 AC POWER LINE CONDUCTED EMISSION.....	13
4.2 RADIATION BANDEDGE AND SPURIOUS EMISSION.....	18
APPENDIX 1 - PHOTOGRAPHS OF EUT	A-1

Report No.: TMWK2311004082KR





1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	NETRONIX, INC. No. 945, Boai St., Jubei City, Hsin-Chu, 30265, Taiwan		
Manufacturer	NETRONIX, INC. No. 945, Boai St., Jubei City, Hsin-Chu, 30265, Taiwan		
Equipment	7.8" Digital Note Pad; 7.8" Color Digital Note Pad; 7.8" Digital Reader; 7.8" Color Digital Reader		
Model Name	E70P24		
Product Discrepancy	Please see remark as below.		
Brand Name	MobiScribe		
Received Date	October 13, 2023		
Date of Test	October 26, 2023		
Power Supply	1. Power from Host System. (DC 5V) 2. Power from Battery. Brand / Model: EVE Energy Co., LTD. / EVE2275A7GH Rating: 3.85VDC, 9.63Wh		
Class II Permissive Change	The major change filed under this application is: Product Name: 7.8" Color Digital Note Pad, Adding EPD Panel with two different configurations as follows: 1. Configured with the new Digitizer on the newly modified PCBA. 2. Configured with the old Digitizer and the old PCBA.		
		Update Model	
		Original Model	
	Panel (CFA)	EC078KH7	EC078KH5
	Wacom Digitizer	SUEE-07S01MI-02X	SUDE-07S01MI-01A
PCBA	B3	B2	

Remark:

1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.
3. Disclaimer: Variant information between/among model numbers / trademarks is provided by the applicant, test results of this report are applicable to the sample EUT received of main test model name.
4. Model Discrepancy:

Product Name	7.8" Digital Note Pad	7.8" Color Digital Note Pad	7.8" Digital Reader	7.8" Color Digital Reader
Model Name	E70P24			
Button	N/A	N/A	Yes	Yes
Touch Pen	Yes	Yes	N/A	N/A
Panel display	Black and White	Color	Black and White	Color
Appearance				

Report No.: TMWK2311004082KR

1.2 EUT CHANNEL INFORMATION

Frequency Range	802.11b/g/n HT 20: 2412 MHz ~ 2462 MHz
Modulation Type	1. IEEE 802.11b mode: CCK 2. IEEE 802.11g mode: OFDM 3. IEEE 802.11n HT 20 Mode: OFDM
Number of channel	1. IEEE 802.11b mode: 11 Channels 2. IEEE 802.11g mode: 11 Channels 3. IEEE 802.11n HT 20 Mode : 11 Channels

Remark:

Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 for test channels

Number of frequencies to be tested		
Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
<input type="checkbox"/> 1 MHz or less	1	Middle
<input type="checkbox"/> 1 MHz to 10 MHz	2	1 near top and 1 near bottom
<input checked="" type="checkbox"/> More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

1.3 ANTENNA INFORMATION

Antenna Specification	<input type="checkbox"/> PIFA <input checked="" type="checkbox"/> PCB <input type="checkbox"/> Dipole <input type="checkbox"/> Coils
Antenna Gain	Gain: 2.64 dBi
Brand / Model	INPAQ Technology Co., Ltd. / RFPCA310710EMLB301

Notes:

1.The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203.

1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	± 2.213 dB
Radiated Emission_9kHz-30MHz	± 3.761 dB
Radiated Emission_30MHz-200MHz	± 3.473 dB
Radiated Emission_200MHz-1GHz	± 3.946 dB

Remark:

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

Report No.: TMWK2311004082KR

1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

No. 12, Ln. 116, Wugong 3rd Rd., Wugu Dist., New Taipei City, Taiwan.

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	Tony Chao	-
Radiation	Ray Li, Tony Chao	-

Remark: The lab has been recognized as the FCC accredited lab. under the KDB 974614 D01 and is listed in the FCC public Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309

1.6 INSTRUMENT CALIBRATION

966A_Radiated_30M~1G					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Bi-Log Antenna	Sunol Sciences	JB3	A030105	2023-08-08	2024-08-07
Signal Analyzer	KEYSIGHT	N9010A	MY54200716	2023-10-13	2024-10-12
Thermo-Hygro Meter	WISEWIND	1206	D07	2022-12-19	2023-12-18
Preamplifier	EMEC	EM330	060609	2023-02-22	2024-02-21
Cable	Huber+Suhner	104PEA	20995+21000+ 182330	2023-02-22	2024-02-21
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Software	e3 V9-210616c				

RF_Conduction(RF)					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI	100064	2023-06-07	2024-06-06
LISN	TESEQ	LN2-16N	22012	2023-03-08	2024-03-07
Cable	EMCI	CFD300-NL	CERF	2023-06-27	2024-06-26
Software	EZ-EMC(CCS-3A1-CE-WUKU)				

Remark:

1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R. = No Calibration Required.

1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

EUT Accessories Equipment						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
	N/A					

Support Equipment						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	NB	Lenovo	IBM 7663	N/A	N/A	N/A
2	NB(D)	Lenovo	ThinkPad X260	N/A	N/A	N/A

1.8 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10:2013, FCC Part 2, FCC Part 15.247 and KDB 558074 D01.

Report No.: TMWK2311004082KR

2. TEST SUMMARY

FCC Standard Section	Report Section	Test Item	Result
15.203	1.3	Antenna Requirement	Pass
15.207(a)	4.1	AC Conducted Emission	Pass
15.247(d) 15.209 15.205	4.2	Radiation Spurious Emission	Pass

Note:

Per check with the RF output power, the RF parameters are same with the certified device. So the changes are not affect the test result of RF conducted tests. Therefore, the AC Line conducted test, Radiation Below 1GHz test were performed. other test items please refer to the original FCC ID report.

Report No.: TMWK2311004082KR

3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	IEEE 802.11b mode :1Mbps IEEE 802.11g mode :6Mbps IEEE 802.11n HT20 mode :MCS0
Test Channel Frequencies	IEEE 802.11b mode : Low CH: 2412 MHz Mid CH: 2437 MHz High CH: 2462 MHz IEEE 802.11g mode : Low CH: 2412 MHz Mid CH: 2437 MHz High CH: 2462 MHz IEEE 802.11n HT20 mode : Low CH: 2412 MHz Mid CH: 2437 MHz High CH: 2462 MHz
Operation Transmitter	IEEE 802.11b mode : 1T1R IEEE 802.11g mode : 1T1R IEEE 802.11n HT20 mode : 1T1R

Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.
2. The worst-case data rates are determined to be as follows for each mode based upon investigations by measuring the average power and PSD across all data rates, bandwidths, and modulations.

Report No.: TMWK2311004082KR

3.2 THE WORST MODE OF MEASUREMENT

AC Power Line Conducted Emission	
Test Condition	AC Power line conducted emission for line and neutral
Power supply Mode	Mode 1: EUT power by Host System(New PCB) Mode 2: EUT power by Host System(Old PCB)
Worst Mode	<input checked="" type="checkbox"/> Mode 1 <input checked="" type="checkbox"/> Mode 2 <input type="checkbox"/> Mode 3 <input type="checkbox"/> Mode 4

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT power by Host System(New PCB) Mode 2: EUT power by Host System(Old PCB)
Worst Mode	<input checked="" type="checkbox"/> Mode 1 <input checked="" type="checkbox"/> Mode 2 <input type="checkbox"/> Mode 3 <input type="checkbox"/> Mode 4

Remark:

1. The worst mode was record in this test report.
2. AC power line conducted emission and for below 1G radiation emission were performed the EUT transmit at the highest output power channel as worse case.
3. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(X-Plane) were recorded in this repor.t

Report No.: TMWK2311004082KR

4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a)(2)

Frequency Range (MHz)	Limits(dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

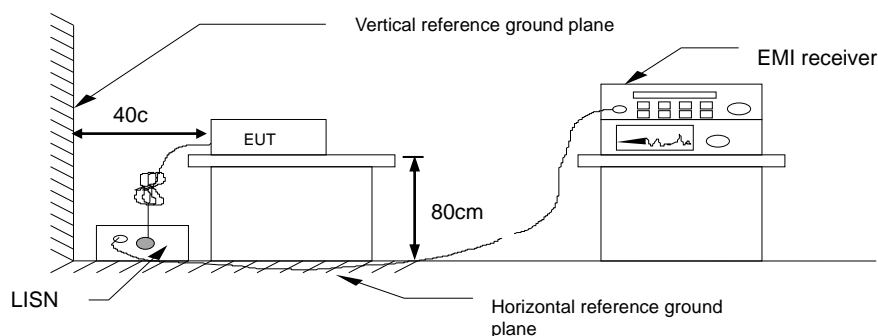
* Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

Test method Refer as ANSI C63.10: 2013 clause 6.2,

1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
2. EUT connected to the line impedance stabilization network (LISN)
3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. Recorded Line for Neutral and Line.

4.1.3 Test Setup



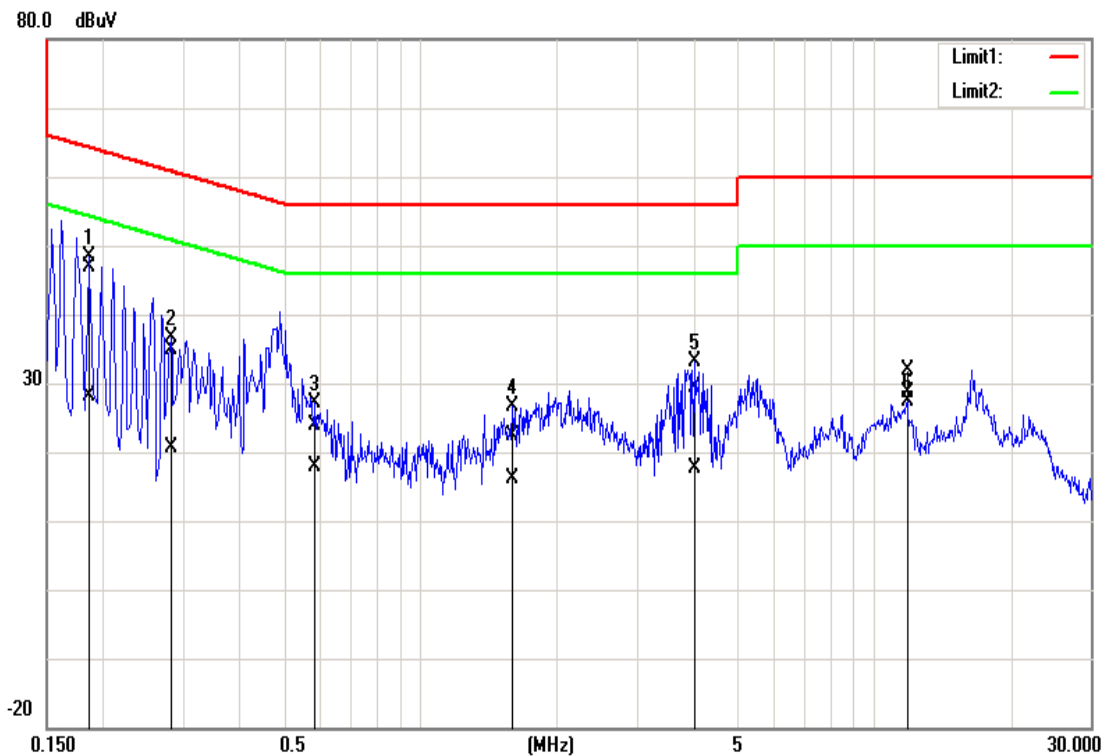
4.1.4 Test Result

PASS.

Report No.: TMWK2311004082KR

Test Data

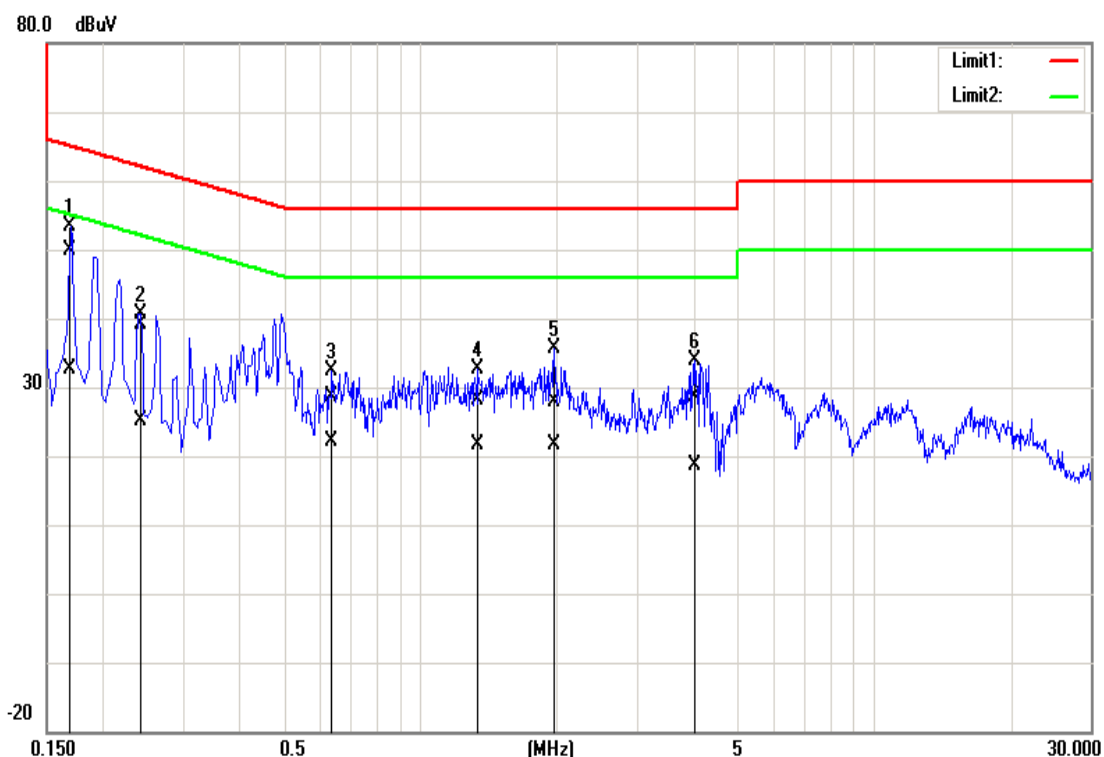
Test Mode:	Mode 1	Temp/Hum	24.3(°C)/ 52%RH
Phase:	Line	Test Date	October 26, 2023
Test Voltage:	120Vac, 60Hz	Test Engineer	Tony Chao



Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1860	46.63	27.99	0.15	46.78	28.14	64.21	54.21	-17.43	-26.07	Pass
0.2820	34.64	20.49	0.15	34.79	20.64	60.76	50.76	-25.97	-30.12	Pass
0.5860	23.82	17.75	0.15	23.97	17.90	56.00	46.00	-32.03	-28.10	Pass
1.5980	22.07	15.84	0.19	22.26	16.03	56.00	46.00	-33.74	-29.97	Pass
4.0140	29.24	17.47	0.26	29.50	17.73	56.00	46.00	-26.50	-28.27	Pass
11.8140	31.51	28.23	0.38	31.89	28.61	60.00	50.00	-28.11	-21.39	Pass

Note: Correction factor = LISN loss + Cable loss.

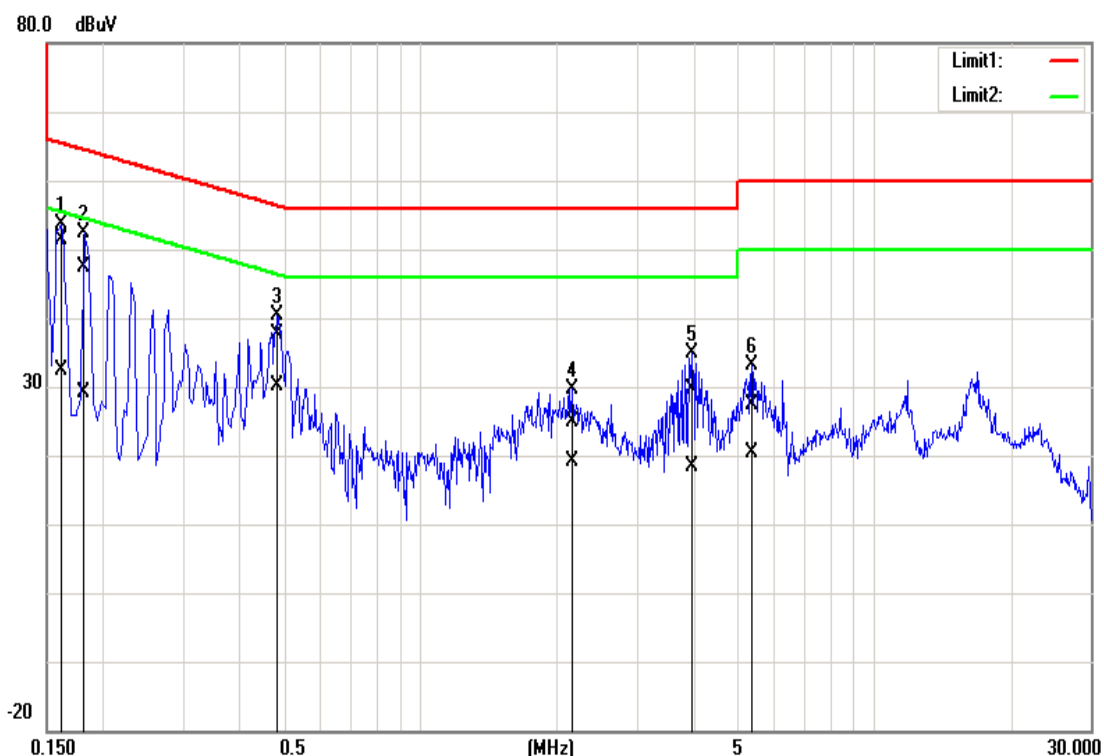
Test Mode:	Mode 1	Temp/Hum	24.3(°C)/ 52%RH
Phase:	Neutral	Test Date	October 26, 2023
Test Voltage:	120Vac, 60Hz	Test Engineer	Tony Chao



Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1700	49.58	32.40	0.19	49.77	32.59	64.96	54.96	-15.19	-22.37	Pass
0.2420	39.06	25.05	0.19	39.25	25.24	62.03	52.03	-22.78	-26.79	Pass
0.6380	28.48	21.96	0.19	28.67	22.15	56.00	46.00	-27.33	-23.85	Pass
1.3420	27.88	21.53	0.22	28.10	21.75	56.00	46.00	-27.90	-24.25	Pass
1.9700	27.57	21.41	0.26	27.83	21.67	56.00	46.00	-28.17	-24.33	Pass
4.0260	28.23	18.35	0.31	28.54	18.66	56.00	46.00	-27.46	-27.34	Pass

Note: Correction factor = LISN loss + Cable loss.

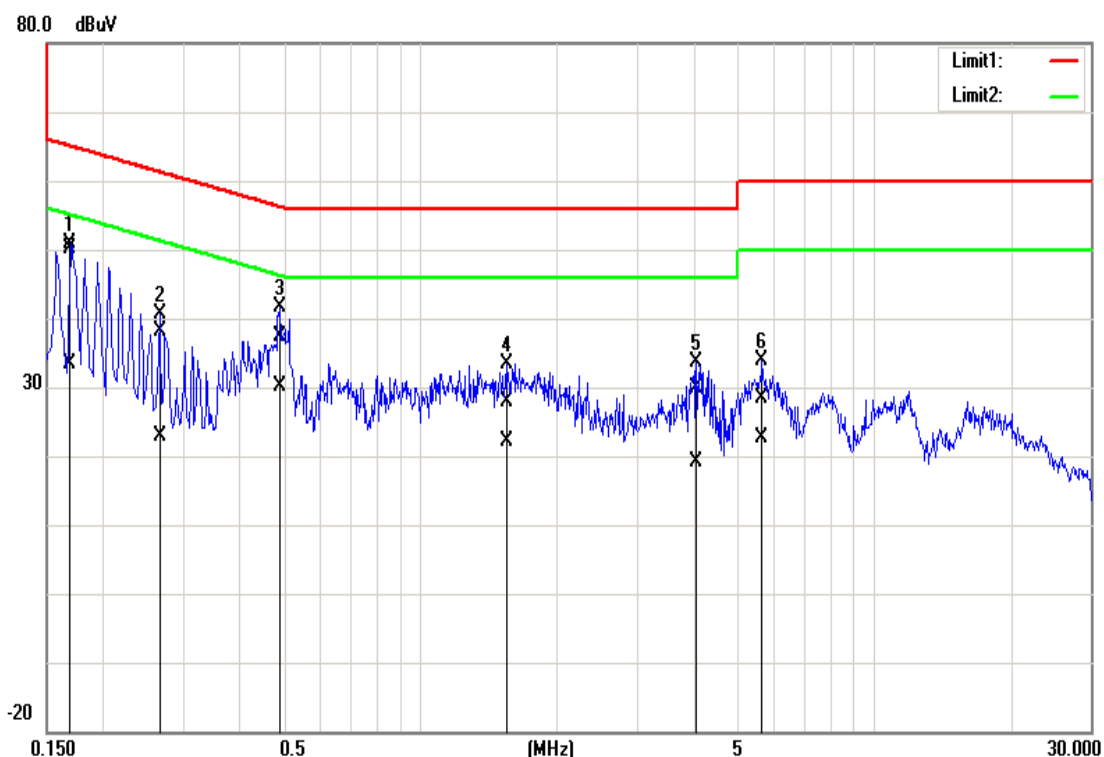
Test Mode:	Mode 2	Temp/Hum	24.3(°C)/ 52%RH
Phase:	Line	Test Date	October 26, 2023
Test Voltage:	120Vac, 60Hz	Test Engineer	Tony Chao



Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1620	51.14	32.24	0.15	51.29	32.39	65.36	55.36	-14.07	-22.97	Pass
0.1820	47.35	28.94	0.15	47.50	29.09	64.39	54.39	-16.89	-25.30	Pass
0.4860	37.39	30.05	0.15	37.54	30.20	56.24	46.24	-18.70	-16.04	Pass
2.1620	24.72	18.86	0.22	24.94	19.08	56.00	46.00	-31.06	-26.92	Pass
3.9820	29.46	18.06	0.26	29.72	18.32	56.00	46.00	-26.28	-27.68	Pass
5.3780	27.10	20.06	0.29	27.39	20.35	60.00	50.00	-32.61	-29.65	Pass

Note: Correction factor = LISN loss + Cable loss.

Test Mode:	Mode 2	Temp/Hum	24.3(°C)/ 52%RH
Phase:	Neutral	Test Date	October 26, 2023
Test Voltage:	120Vac, 60Hz	Test Engineer	Tony Chao



Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1700	49.99	33.23	0.19	50.18	33.42	64.96	54.96	-14.78	-21.54	Pass
0.2660	37.97	22.69	0.19	38.16	22.88	61.24	51.24	-23.08	-28.36	Pass
0.4900	37.07	29.89	0.19	37.26	30.08	56.17	46.17	-18.91	-16.09	Pass
1.5500	27.72	21.83	0.24	27.96	22.07	56.00	46.00	-28.04	-23.93	Pass
4.0580	29.66	18.78	0.31	29.97	19.09	56.00	46.00	-26.03	-26.91	Pass
5.6700	28.03	22.26	0.33	28.36	22.59	60.00	50.00	-31.64	-27.41	Pass

Note: Correction factor = LISN loss + Cable loss.

Report No.: TMWK2311004082KR

4.2 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.2.1 Test Limit

FCC according to §15.247(d), §15.209 and §15.205,

In any 100 kHz bandwidth outside the authorized frequency band, all harmonic and spurious must be least 20 dB below the highest emission level with the authorized frequency band. Radiation emission which fall in the restricted bands must also follow the FCC section 15.209 as below limit in table.

Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Above 30 MHz

Frequency	Field Strength (microvolts/m)	Measurement Distance (metres)
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Report No.: TMWK2311004082KR

4.2.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

1. The EUT is placed on a turntable, below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.

2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.

3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 1GHz set to high power channels with the EUT transmit.

Note: No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

4. The SA setting following :

Below 1G : RBW = 100kHz, VBW \geq 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.

5. Data result :

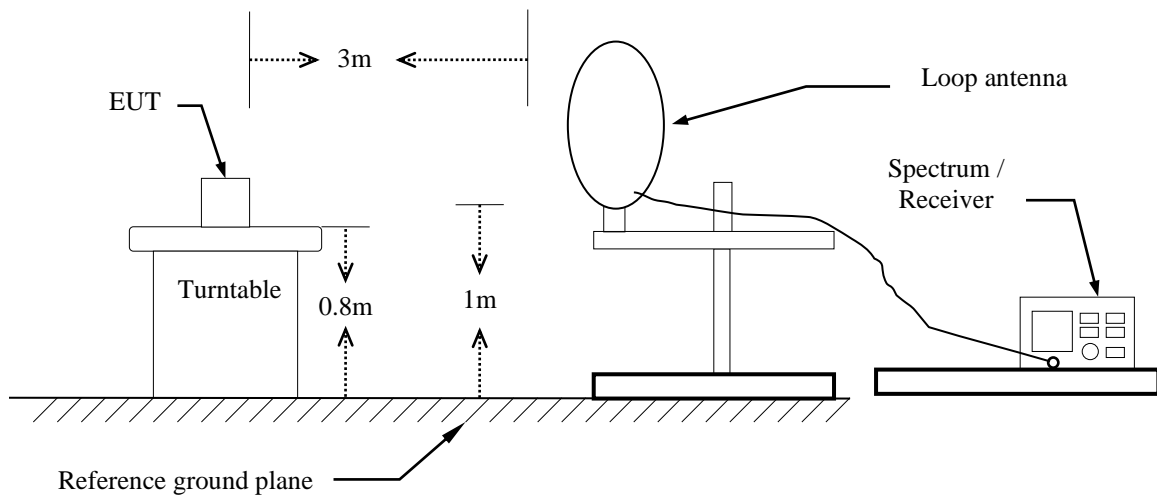
Actual FS=Spectrum Reading Level + Factor

Margin=Actual FS- Limit

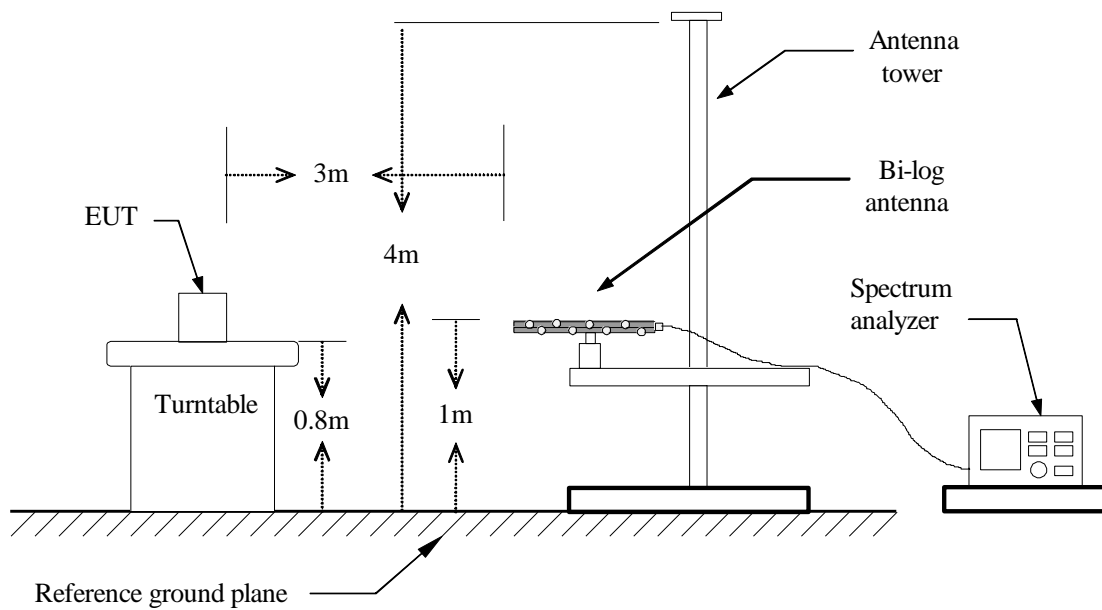
Report No.: TMWK2311004082KR

4.2.3 Test Setup

9kHz ~ 30MHz



30MHz ~ 1GHz

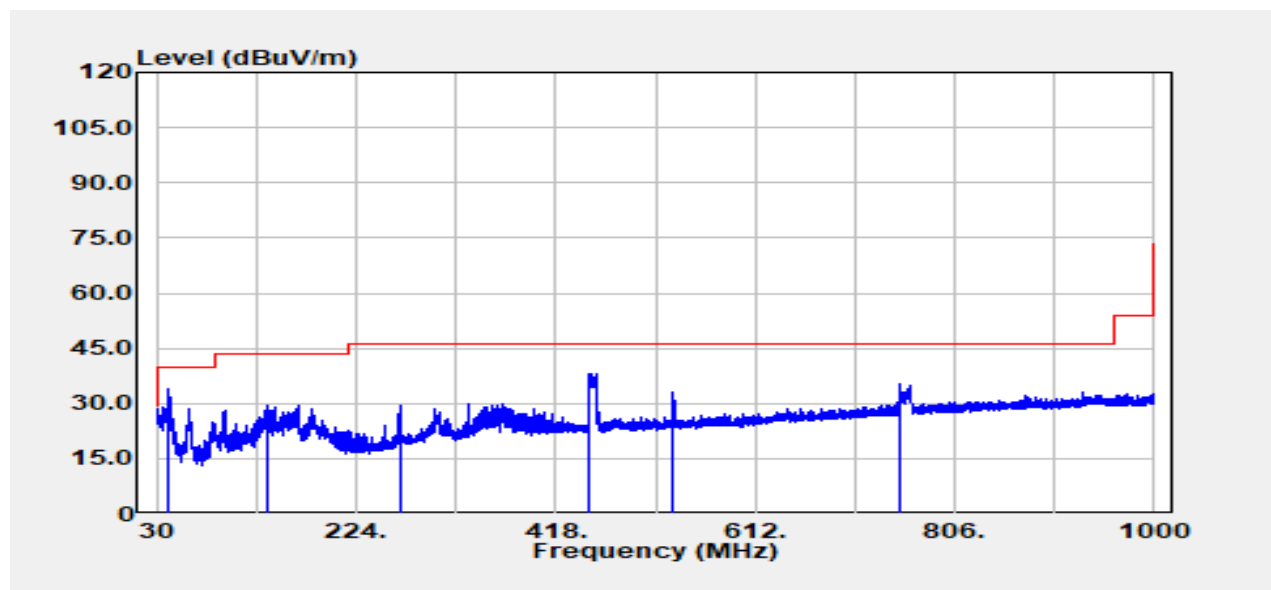


Report No.: TMWK2311004082KR

4.2.4 Test Result

Below 1G Test Data

Test Mode	IEEE 802.11b 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 1

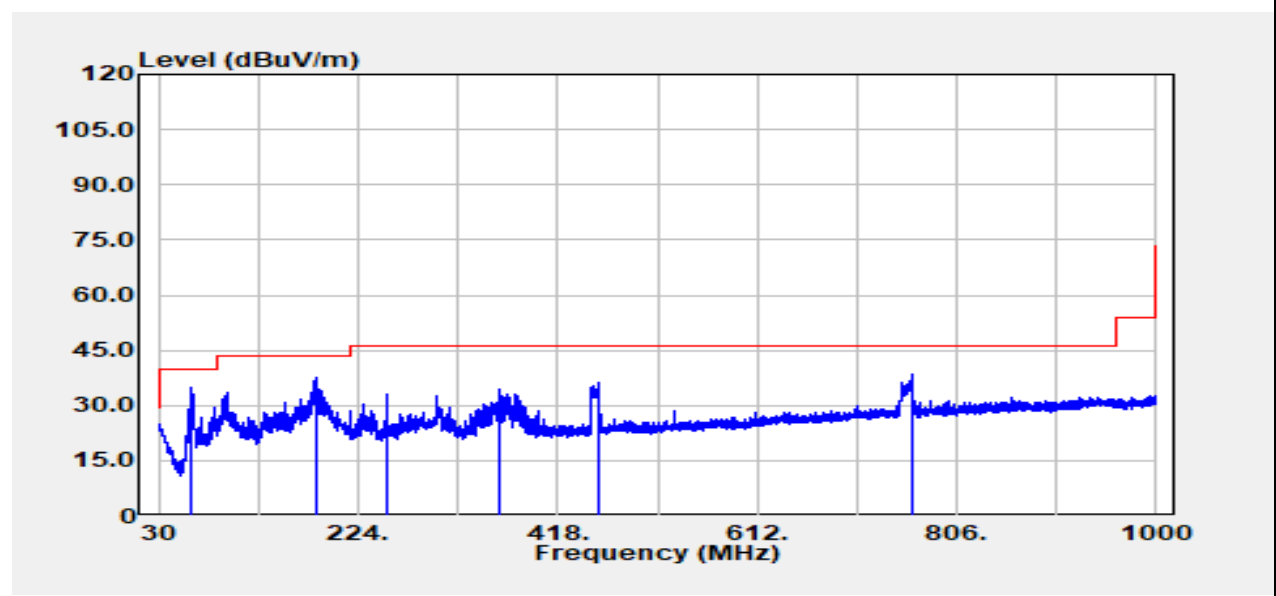


Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBUV)	Factor (dB)	Actual FS (dBUV/m)	Limit @3m (dBUV/m)	Margin (dB)
41.88	Peak	44.76	-10.99	33.78	40.00	-6.22
137.67	Peak	39.46	-9.86	29.59	43.50	-13.91
267.04	Peak	38.78	-9.36	29.42	46.00	-16.58
451.22	Peak	42.78	-4.54	38.24	46.00	-7.76
531.01	Peak	36.18	-3.14	33.04	46.00	-12.96
751.92	Peak	34.73	0.45	35.18	46.00	-10.82

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Report No.: TMWK2311004082KR

Test Mode	IEEE 802.11b 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 1

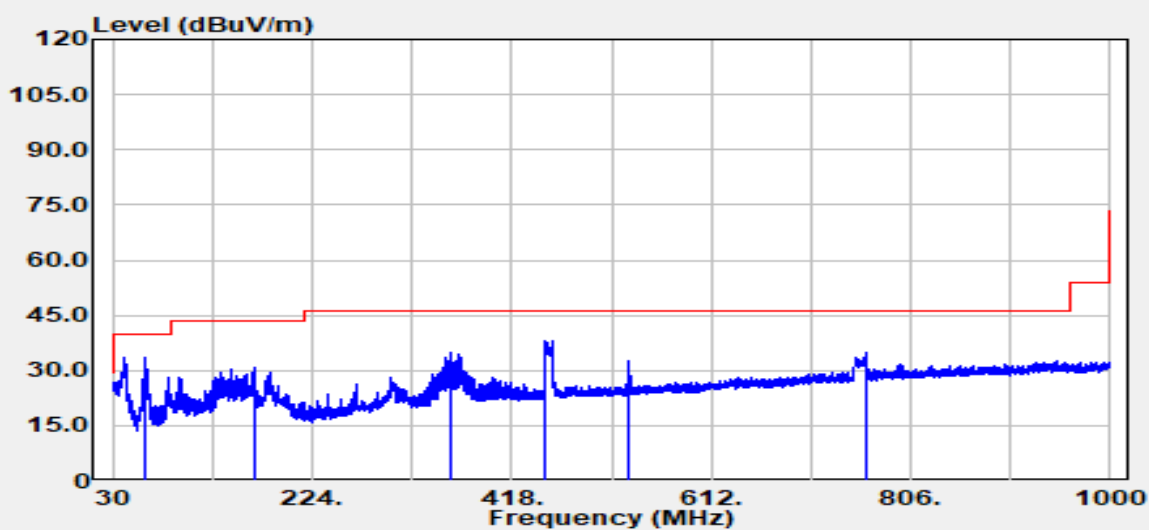


Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
62.37	Peak	50.63	-15.72	34.91	40.00	-5.09
182.90	Peak	49.02	-11.64	37.39	43.50	-6.11
251.28	Peak	44.03	-10.86	33.17	46.00	-12.83
362.35	Peak	41.73	-7.14	34.59	46.00	-11.41
457.41	Peak	40.45	-4.30	36.15	46.00	-9.85
762.23	Peak	37.86	0.66	38.51	46.00	-7.49

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Report No.: TMWK2311004082KR

Test Mode	IEEE 802.11g 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 1

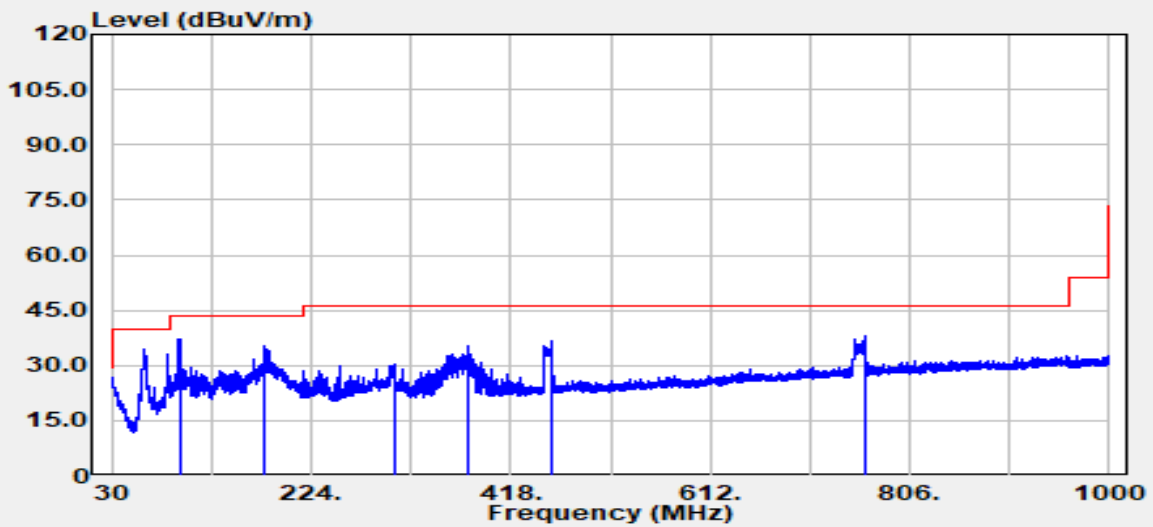


Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
62.25	Peak	49.32	-15.72	33.60	40.00	-6.40
167.50	Peak	41.67	-10.99	30.68	43.50	-12.82
358.83	Peak	42.02	-7.21	34.81	46.00	-11.19
451.22	Peak	42.54	-4.54	38.01	46.00	-7.99
532.70	Peak	35.92	-3.13	32.79	46.00	-13.21
762.23	Peak	34.20	0.66	34.85	46.00	-11.15

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Report No.: TMWK2311004082KR

Test Mode	IEEE 802.11g 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 1

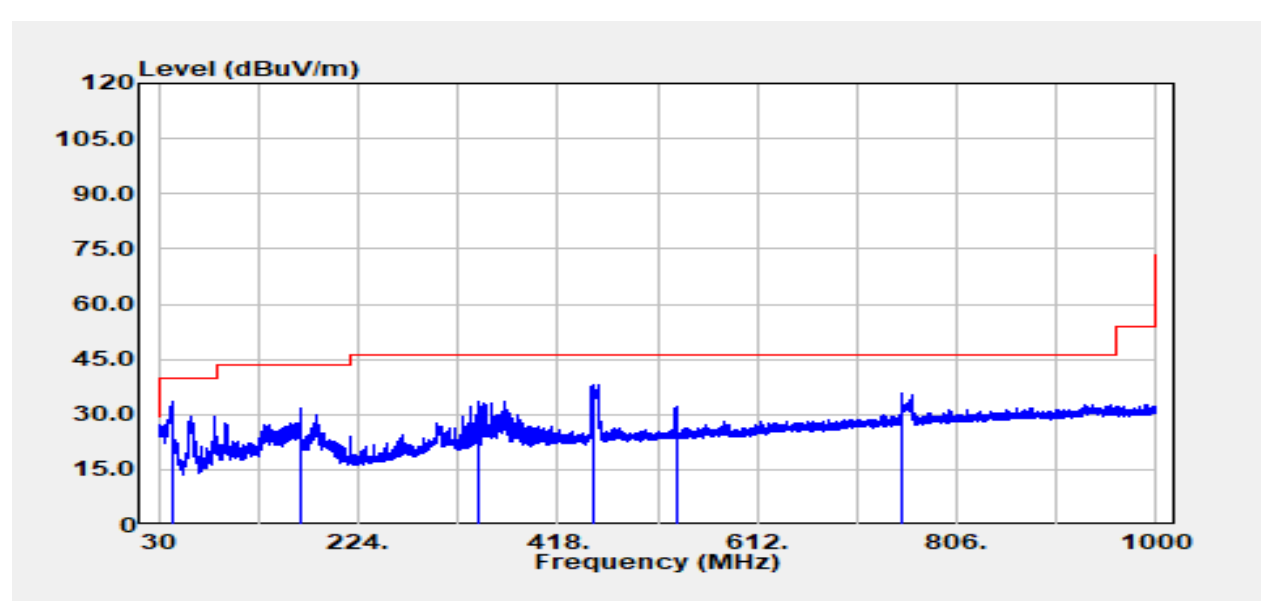


Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
95.84	Peak	51.29	-13.97	37.32	43.50	-6.18
179.50	Peak	47.08	-11.56	35.52	43.50	-7.98
305.12	Peak	38.65	-8.53	30.12	46.00	-15.88
375.32	Peak	41.95	-6.83	35.12	46.00	-10.88
457.41	Peak	40.81	-4.30	36.51	46.00	-9.49
763.20	Peak	37.17	0.65	37.82	46.00	-8.18

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Report No.: TMWK2311004082KR

Test Mode	IEEE 802.11n HT20 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 1

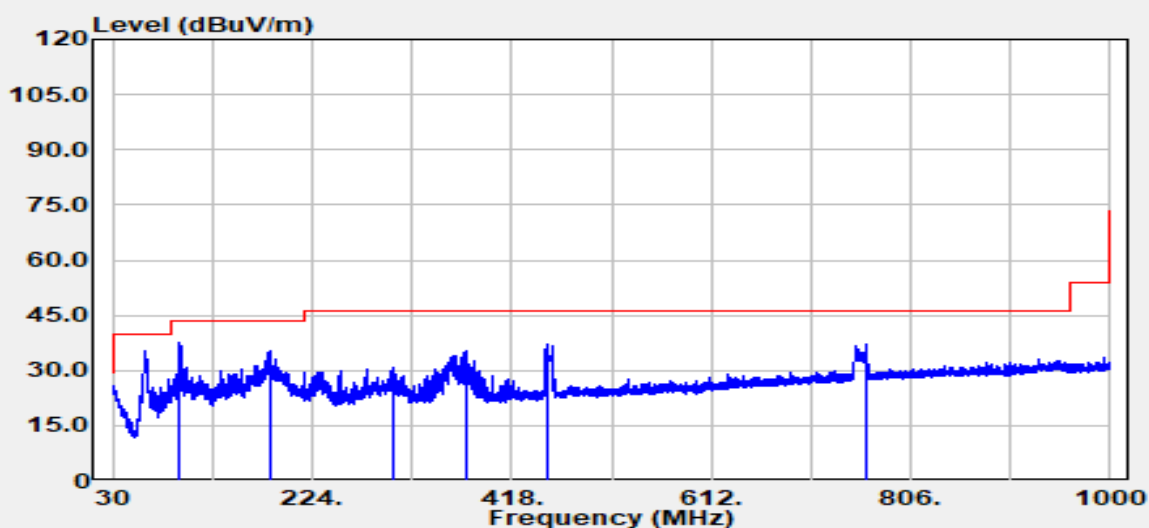


Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
42.37	Peak	44.53	-11.16	33.37	40.00	-6.63
167.38	Peak	42.81	-10.99	31.82	43.50	-11.68
340.28	Peak	41.26	-7.79	33.47	46.00	-12.53
451.59	Peak	42.63	-4.52	38.11	46.00	-7.89
532.95	Peak	35.17	-3.13	32.05	46.00	-13.95
753.01	Peak	35.25	0.47	35.72	46.00	-10.28

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Report No.: TMWK2311004082KR

Test Mode	IEEE 802.11n HT20 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 1

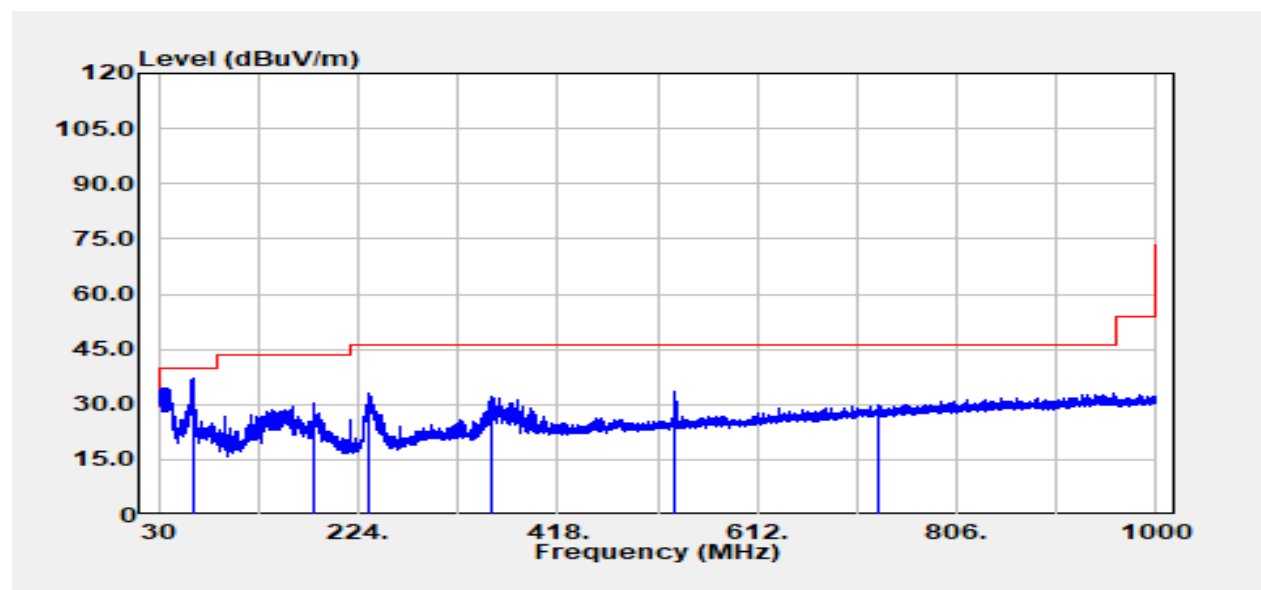


Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBUV/m)	Limit @3m (dBUV/m)	Margin (dB)
95.72	Peak	51.62	-14.05	37.57	43.50	-5.93
183.14	Peak	47.05	-11.63	35.42	43.50	-8.08
301.60	Peak	39.49	-8.63	30.86	46.00	-15.14
373.26	Peak	41.99	-6.88	35.11	46.00	-10.89
451.59	Peak	41.84	-4.52	37.32	46.00	-8.68
763.20	Peak	36.40	0.65	37.06	46.00	-8.94

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Report No.: TMWK2311004082KR

Test Mode	IEEE 802.11b 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 2

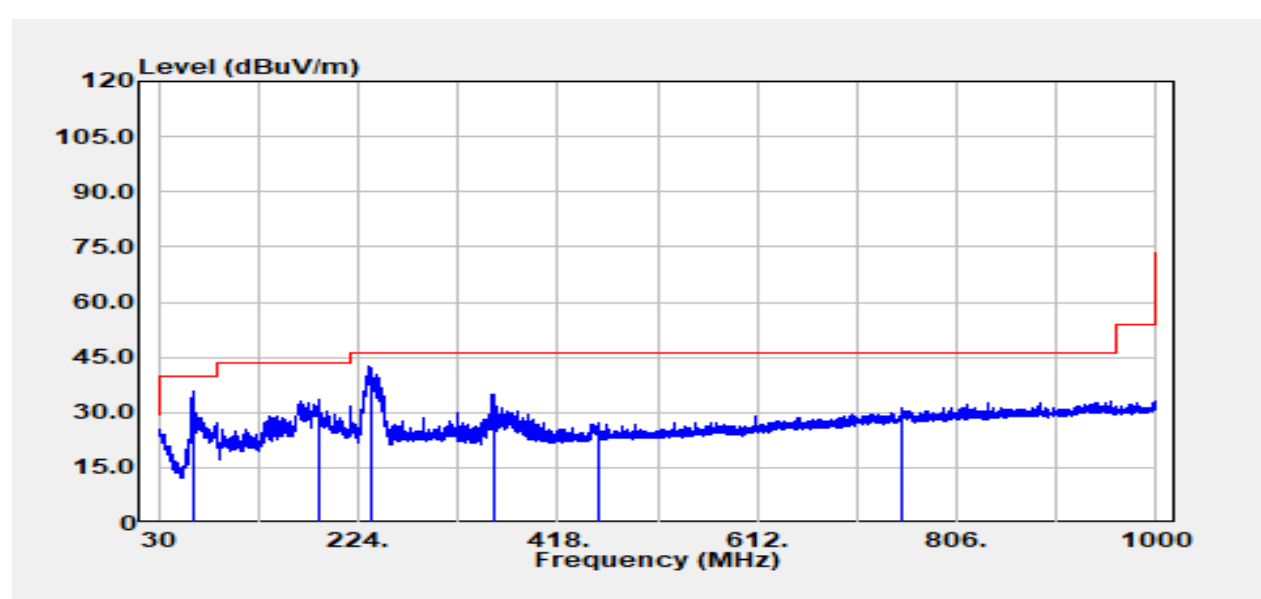


Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
63.10	Peak	52.64	-15.69	36.96	40.00	-3.04
181.56	Peak	42.17	-11.69	30.48	43.50	-13.02
233.70	Peak	44.28	-11.07	33.21	46.00	-12.79
354.83	Peak	39.66	-7.33	32.33	46.00	-13.67
532.58	Peak	36.86	-3.13	33.73	46.00	-12.27
729.98	Peak	29.35	0.32	29.67	46.00	-16.33

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Report No.: TMWK2311004082KR

Test Mode	IEEE 802.11b 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 2

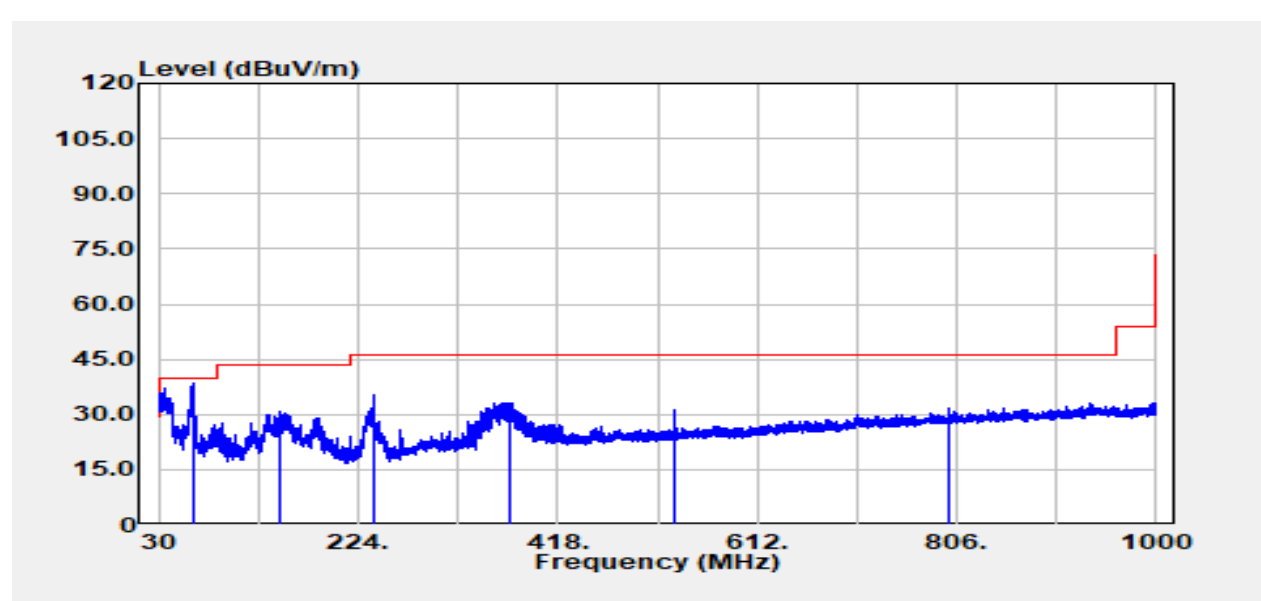


Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBµV)	Factor (dB)	Actual FS (dBµV/m)	Limit @3m (dBµV/m)	Margin (dB)
62.86	Peak	51.41	-15.71	35.70	40.00	-4.30
184.96	Peak	45.19	-11.62	33.57	43.50	-9.93
237.34	Peak	53.06	-10.92	42.13	46.00	-3.87
354.95	Peak	42.07	-7.32	34.75	46.00	-11.25
457.89	Peak	31.31	-4.29	27.02	46.00	-18.98
751.92	Peak	30.90	0.45	31.35	46.00	-14.65

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Report No.: TMWK2311004082KR

Test Mode	IEEE 802.11g 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 2

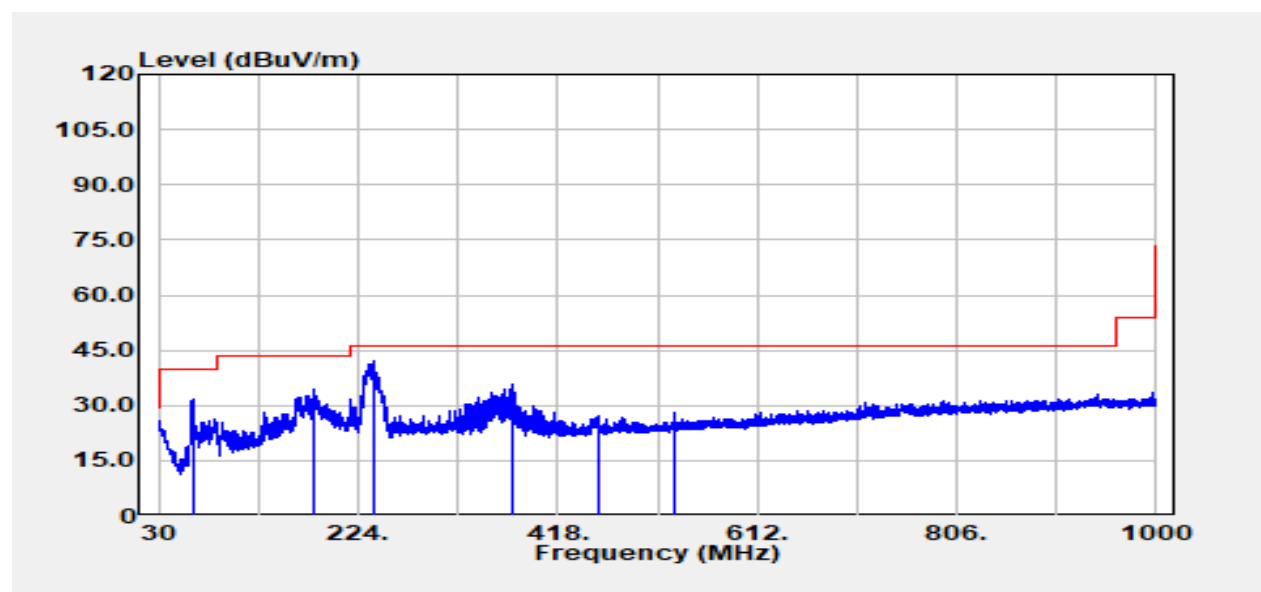


Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
63.22	Peak	54.05	-15.66	38.39	40.00	-1.61
148.95	Peak	41.16	-10.50	30.66	43.50	-12.84
239.76	Peak	46.35	-10.86	35.49	46.00	-10.51
370.23	Peak	40.23	-6.95	33.27	46.00	-12.73
532.22	Peak	34.46	-3.13	31.33	46.00	-14.67
799.57	Peak	30.18	1.32	31.49	46.00	-14.51

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Report No.: TMWK2311004082KR

Test Mode	IEEE 802.11g 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 2

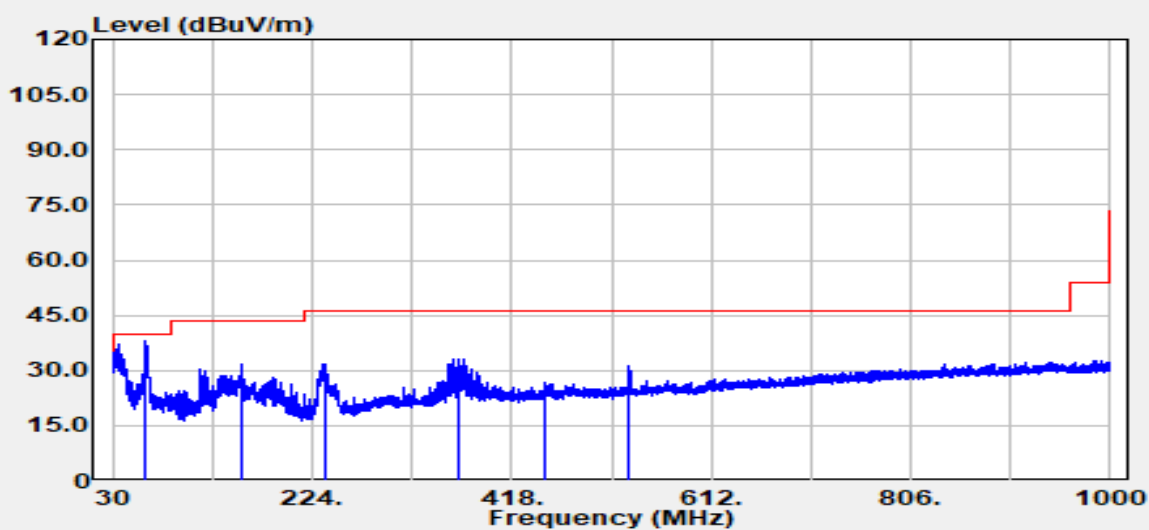


Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
62.74	Peak	47.47	-15.71	31.76	40.00	-8.24
179.74	Peak	46.10	-11.56	34.54	43.50	-8.96
238.55	Peak	52.90	-10.89	42.00	46.00	-4.00
374.47	Peak	42.66	-6.85	35.81	46.00	-10.19
457.89	Peak	31.50	-4.29	27.21	46.00	-18.79
531.85	Peak	31.33	-3.14	28.20	46.00	-17.80

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Report No.: TMWK2311004082KR

Test Mode	IEEE 802.11n HT20 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 2

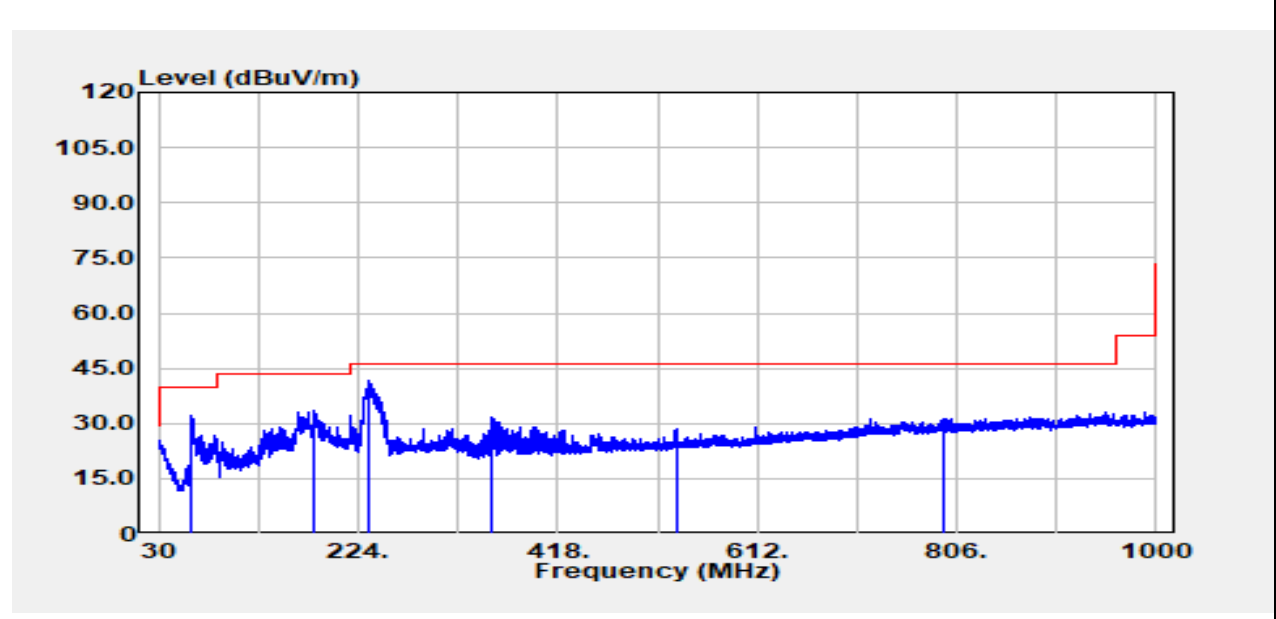


Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
62.37	Peak	53.82	-15.72	38.09	40.00	-1.91
155.49	Peak	42.15	-10.47	31.68	43.50	-11.82
237.70	Peak	42.71	-10.91	31.80	46.00	-14.20
366.71	Peak	40.32	-7.05	33.27	46.00	-12.73
451.10	Peak	31.23	-4.54	26.69	46.00	-19.31
531.85	Peak	34.45	-3.14	31.31	46.00	-14.69

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Report No.: TMWK2311004082KR

Test Mode	IEEE 802.11n HT20 2437 MHz	Temp/Hum	24.6(°C) / 56%RH
Test Item	30MHz-1GHz	Test Date	October 26, 2023
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak	Test Mode	Mode 2



Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBµV)	Factor (dB)	Actual FS (dBµV/m)	Limit @3m (dBµV/m)	Margin (dB)
62.50	Peak	48.04	-15.72	32.32	40.00	-7.68
180.96	Peak	45.11	-11.74	33.37	43.50	-10.13
233.34	Peak	52.83	-11.09	41.73	46.00	-4.27
354.83	Peak	38.97	-7.33	31.64	46.00	-14.36
532.82	Peak	31.45	-3.13	28.33	46.00	-17.67
792.06	Peak	30.00	1.32	31.32	46.00	-14.68

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

- End of Test Report -