

Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

FCC ID: EMJKTPA-P010K  
IC: 4251A-KTPAP010K

Page 1 / 34  
Rev. 01

# FCC RADIO TEST REPORT

## FCC 47 CFR PART 15 SUBPART C

### INDUSTRY CANADA RSS-210

Test Standard	FCC Part 15.249 RSS-210 Issue 11 and IC RSS-GEN issue 5
Product name	Wireless Keyboard
Brand Name	hp
Model No.	TPA-P010K
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 C63.10-2020+Cor.1-2023 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.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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## Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	July 30, 2025	Initial Issue	ALL	Peggy Tsai
01	August 13, 2025	See the following Note Rev. (01)	P.4, 7, 10	Peggy Tsai

### Rev. (01)

1. Modify date of test, instrument calibration and the worst mode of measurement.

## Table of contents

<b>1. GENERAL INFORMATION .....</b>	<b>4</b>
<b>1.1 EUT INFORMATION .....</b>	<b>4</b>
<b>1.2 EUT CHANNEL INFORMATION .....</b>	<b>5</b>
<b>1.3 ANTENNA INFORMATION .....</b>	<b>5</b>
<b>1.4 MEASUREMENT UNCERTAINTY .....</b>	<b>6</b>
<b>1.5 FACILITIES AND TEST LOCATION .....</b>	<b>6</b>
<b>1.6 INSTRUMENT CALIBRATION.....</b>	<b>7</b>
<b>1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT .....</b>	<b>8</b>
<b>1.8 TEST SET UP DIAGRAM .....</b>	<b>8</b>
<b>1.9 TEST PROGRAM.....</b>	<b>8</b>
<b>1.10TEST METHODOLOGY AND APPLIED STANDARDS .....</b>	<b>8</b>
<b>2. TEST SUMMARY .....</b>	<b>9</b>
<b>3. DESCRIPTION OF TEST MODES .....</b>	<b>10</b>
<b>3.1 THE WORST MODE OF MEASUREMENT .....</b>	<b>10</b>
<b>3.2 EUT DUTY CYCLE .....</b>	<b>11</b>
<b>4. TEST RESULT .....</b>	<b>12</b>
<b>4.1 AC POWER LINE CONDUCTED EMISSION .....</b>	<b>12</b>
<b>4.2 20DB BANDWIDTH AND OCCUPIED BANDWIDTH (99%) .....</b>	<b>13</b>
<b>4.3 FIELD STRENGTH OF FUNDAMENTAL AND SPURIOUS EMISSION .....</b>	<b>16</b>
<b>APPENDIX 1 - PHOTOGRAPHS OF EUT</b>	

## 1. GENERAL INFORMATION

### 1.1 EUT INFORMATION

<b>Applicant</b>	Primax Electronics Ltd. No.669,Ruey Kuang Road,Neihu,Taipei,114, Taiwan, R.O.C.
<b>Manufacturer</b>	Primax Electronics Ltd. No.669,Ruey Kuang Road,Neihu,Taipei,114, Taiwan, R.O.C.
<b>Equipment</b>	Wireless Kryboard
<b>Model No. / HVIN</b>	TPA-P010K
<b>Model Discrepancy</b>	N/A
<b>Trade Name</b>	hp
<b>Received Date</b>	June 23, 2025
<b>Date of Test</b>	July 6 ~ August 8, 2025
<b>Power Operation</b>	Powered from Battery (AAA, DC 1.5V*2) (Not for sell) DURACELL / LR03
<b>PMN</b>	HP Multi-Device Wireless Keyboard
<b>EUT Serial</b>	9CP521Q0HB
<b>HW Version</b>	V01
<b>FW Version</b>	N/A

**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.

## 1.2 EUT CHANNEL INFORMATION

Frequency Range	2405~2476MHz					
Modulation Technique	GFSK					
Number of channels	12 Channels					
Channel	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
	1	2405	2	2407	3	2408
	4	2422	5	2423	6	2427
	7	2447	8	2451	9	2452
	10	2473	11	2474	12	2476

## 1.3 ANTENNA INFORMATION

Antenna Type	<input type="checkbox"/> CHIP <input checked="" type="checkbox"/> PCB <input type="checkbox"/> Dipole Antenna
Antenna Brand / Model	Primax / TPA-P010K
Antenna Gain	Gain: 4.21 dBi

### 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 and RSS-GEN 6.8.

## 1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	$\pm 2.21$ dB
Channel Bandwidth	$\pm 2.79$ dB
Radiated Emission_9kHz-30MHz	$\pm 3.492$ dB
Radiated Emission_30MHz-200MHz	$\pm 3.683$ dB
Radiated Emission_200MHz-1GHz	$\pm 3.966$ dB
Radiated Emission_1GHz-6GHz	$\pm 5.063$ dB
Radiated Emission_6GHz-18GHz	$\pm 5.122$ dB
Radiated Emission_18GHz-26GHz	$\pm 3.032$ dB
Radiated Emission_26GHz-40GHz	$\pm 3.271$ 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.

## 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.

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	-	Not applicable, because EUT not connect to AC Main Source direct.
Radiation	Tony Chao 、 Ben Yang	--
RF Conducted	Jerry Chang	--

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

## 1.6 INSTRUMENT CALIBRATION

Conducted FCC/IC/NCC (All)					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
PXA Signal Analyzer	Keysight	N9030B	MY62291089	2024-10-04	2025-10-03
Power Sensor	Anritsu	MA2411B	1911387	2024-08-30	2025-08-29
Power Sensor	Anritsu	MA2411B	1911386	2025-07-07	2026-07-06
Power Meter	Anritsu	ML2496A	2136002	2025-07-07	2026-07-06
DC Blocks	Marvelous Microwave	MVE6411	MVE-001	2024-08-08	2025-08-07
Software	Radio Test Software Ver. 21				

966A Radiated					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Analyzer	KEYSIGHT	N9010A	MY52220817	2025-03-05	2026-03-04
Active Loop Antenna	COM-POWER	AL-130	121051	2025-02-18	2026-02-17
Thermo-Hygro Meter	HTC	HTC-1	HTC-D06	2025-05-26	2026-05-25
Bi-Log Antenna	Sunol Sciences	JB3	A030105&532	2025-06-26	2026-06-25
Preamplifier	EMEC	EM330	060609	2025-02-20	2026-02-19
Cable	Huber+Suhner	104PEA	20995+21000+1 82330	2024-08-07 2025-08-06	2025-08-06 2026-08-05
Horn Antenna	ETC	MCTD 1209	DRH13M02003	2024-12-20	2025-12-19
Preamplifier	HP	8449B	3008A00965	2024-12-18	2025-12-17
Cable	EMCI	EMC101G	221012+230205 +250412	2025-04-24	2026-04-23
Attenuator	Mini-Circuits	BW-S9W5	BWS9W5-09- 966A-01	2025-02-06	2026-02-05
High Pass Filters	Titan Microwave	T04H300018000 70S01	22011402-4	2025-06-03	2026-06-02
Pre-Amplifier	EMCI	EMC184045SE	980860	2024-12-02	2025-12-01
Horn Antenna	SCHWARZBECK	BBHA9170	1047	2024-12-06	2025-12-05
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				

### Remark:

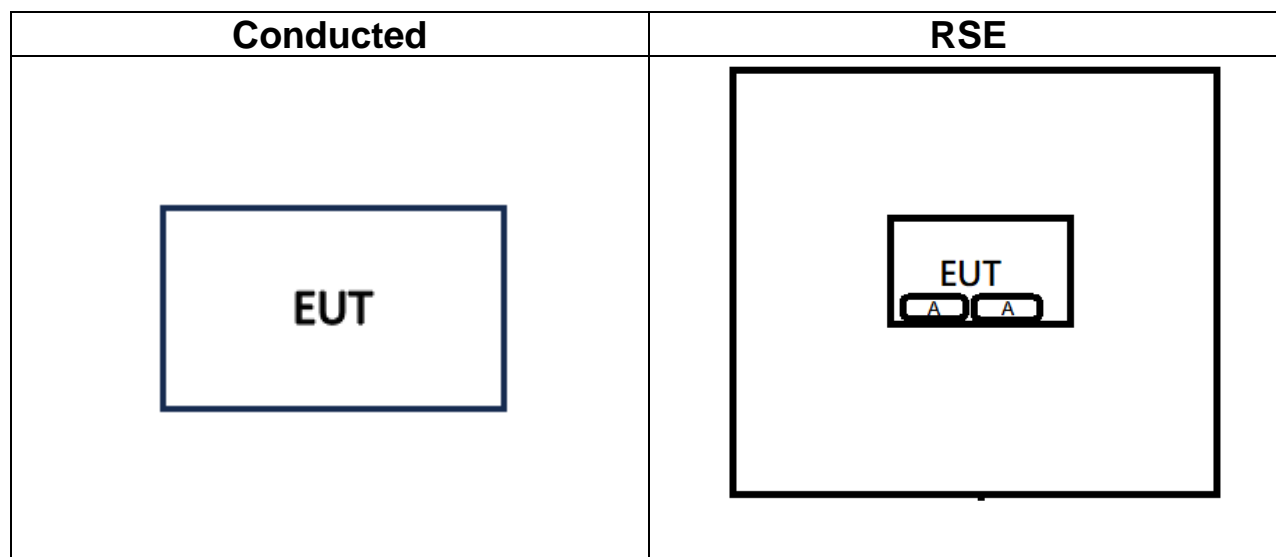
- Each piece of equipment is scheduled for calibration once a year.
- N.C.R. = No Calibration Required.

## 1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

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

Support Equipment (Radiated)					
No.	Equipment	Brand	Model	Series No.	FCC ID
A	Battery	DURACELL	LR03	N/A	N/A

## 1.8 TEST SET UP DIAGRAM



## 1.9 TEST PROGRAM

This EUT uses push-buttons to set the frequency, modulation, and power to allow the sample to continuously transmit.

## 1.10 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10-2020+Cor.1-2023, FCC Part 15.249, RSS-210 and RSS-Gen.



## 2. TEST SUMMARY

FCC Standard Sec.	IC Standard Sec.	Report Section	Test Item	Result
15.203	RSS-GEN Sec. 6.8	1.3	Antenna Requirement	Pass
15.207(a)	RSS-GEN Sec. 8.8	4.1	AC Conducted Emission	Pass
15.215	RSS-GEN 6.7	4.2	20dB Bandwidth and Occupied Bandwidth (99%)	Pass
15.249(a)	RSS-210 B.10 a	4.3	Filed strength of fundamental	Pass
15.249(d) 15.209 15.205	RSS-210 B.10 b, RSS-GEN Sec 8.9 / 8.10	4.3	Radiation Spurious Emission	Pass

### 3. DESCRIPTION OF TEST MODES

#### 3.1 THE WORST MODE OF MEASUREMENT

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT power by Battery(Color: White)
Worst Mode	<input checked="" type="checkbox"/> Mode 1 <input type="checkbox"/> Mode 2 <input type="checkbox"/> Mode 3 <input type="checkbox"/> Mode 4
Worst Position	<input type="checkbox"/> Placed in fixed position. <input checked="" type="checkbox"/> Placed in fixed position at X-Plane (E2-Plane) <input type="checkbox"/> Placed in fixed position at Y-Plane (E1-Plane) <input type="checkbox"/> Placed in fixed position at Z-Plane (H-Plane)

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT power by Battery(Color: White) Mode 2: EUT power by Battery(Color: Black)
Worst Mode	<input checked="" type="checkbox"/> Mode 1 <input 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. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(X-Plane) were recorded in this report

## 3.2 EUT DUTY CYCLE

Temperature: 25.2 ~ 25.4°C

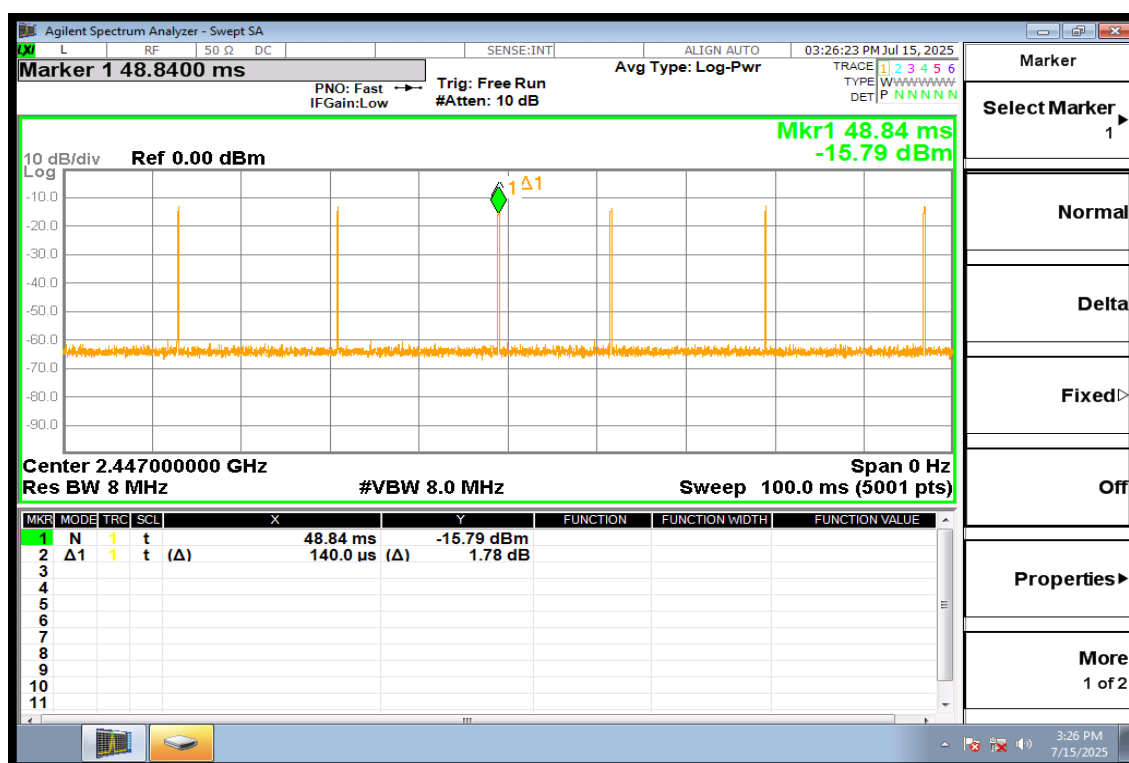
Test date: July 6 ~ 15, 2025

Humidity: 51 ~ 54% RH

Tested by: Ben Yang

20log(D)			
Time On(ms)	Time On+Off(ms)	Duty cycle	20log(D)
0.84	100	0.0084	-41.51

Note: duty cycle= (0.14ms\*6)/100ms



## 4. TEST RESULT

### 4.1 AC POWER LINE CONDUCTED EMISSION

#### 4.1.1 Test Limit

According to §15.207(a) and RSS-Gen §8.8,

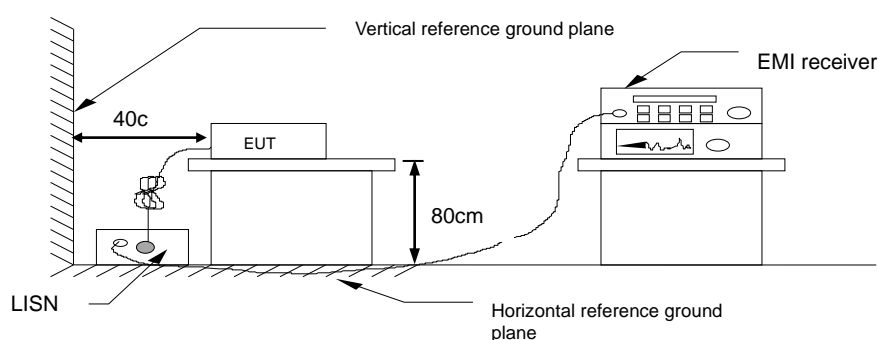
Frequency Range (MHz)	Limits(dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

\* Decreases with the logarithm of the frequency.

#### 4.1.2 Test Procedure

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

Not applicable, because EUT not connect to AC Main Source direct.

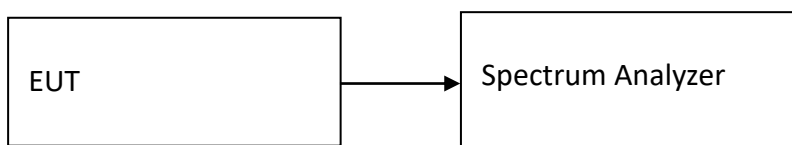
## 4.2 20dB BANDWIDTH AND OCCUPIED BANDWIDTH (99%)

### LIMIT

**20 dB Bandwidth** : For reporting purposes only.

**Occupied Bandwidth(99%)** : For reporting purposes only.

### Test Configuration



### TEST PROCEDURE

Test method Refer as ANSI C63.10-2020+Cor.1-2023.

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 1% ~ 5% OBW, VBW = three times the RBW and Detector = Peak, to measurement 20 dB Bandwidth.
4. SA set RBW = 1% ~ 5% OBW, VBW = three times the RBW and Detector = Peak, to measurement 99% Bandwidth
5. Measure and record the result of 20 dB Bandwidth and 99% Bandwidth. in the test report.

## **TEST RESULTS**

Compliance.

**Temperature:** 21.8 ~ 24.2°C

**Test date:** July 8 ~ 14, 2025

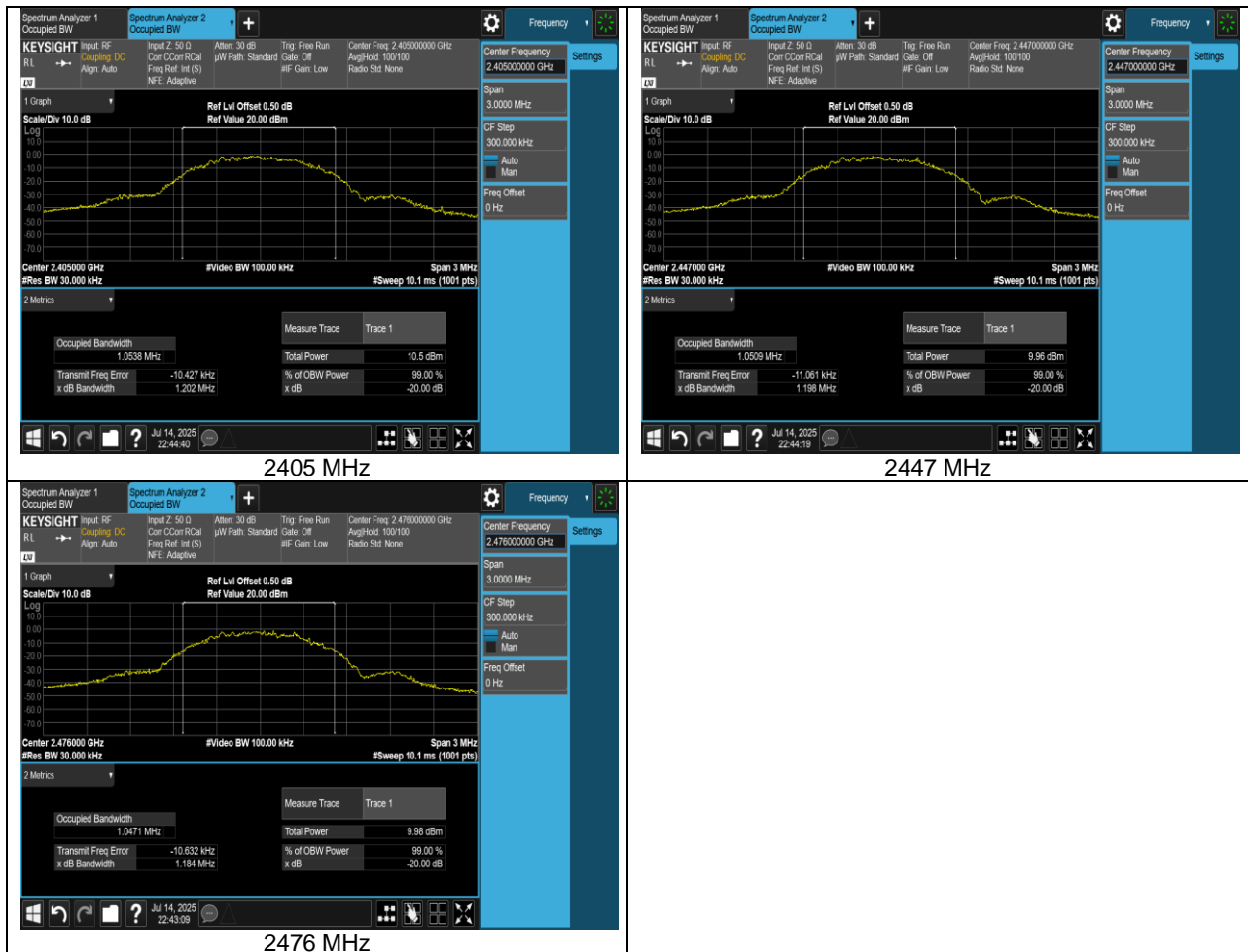
**Humidity:** 56 ~ 62% RH

**Tested by:** Jerry Chang

Frequency (MHz)	Occupied Bandwidth 99% (MHz)	20 dB Bandwidth (MHz)
2405	1.0538	1.202
2447	1.0509	1.198
2476	1.0471	1.184

## Test Plot

### 20dB Bandwidth & BANDWIDTH (99%)



## 4.3 FIELD STRENGTH OF FUNDAMENTAL AND SPURIOUS EMISSION

### 4.3.1 Test Limit

According to FCC Part 15.249(a)(d) and RSS-210 B.10 a./b.

(1) The field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902–928 MHz	50	500
2400–2483.5 MHz	50	500
5725–5875 MHz	50	500
24.0–24.25 GHz	250	2500

\* Field strength limits are specified at a distance of 3 meters

Fundamental Limit Conversion		
Average (mV/m) at 3M	Average (dBuV/m) at 3M	Peak (dBuV/m) at 3M
50	93.98	113.98

\*(Limit=20LOG(50\*1000)=93.98 dBuV/m)

Harmonic Limit Conversion		
Average (uV/m) at 3M	Average (dBuV/m) at 3M	Peak (dBuV/m) at 1M
500	53.97	73.97

\*(Limit=20LOG(500)=53.79 dBuV/m)



According to FCC Part 15.249, 15.209, 15.205 and RSS-210, RSS-Gen sec 8.9 / 8.10

(2) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209(follow the table), whichever is the lesser attenuation

### **Below 30 MHz**

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

### 4.3.2 Test Procedure

1. The EUT is placed on a turntable, Above 1 GHz is 1.5m high and below 1 GHz is 0.8m high above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).

Radiated emission below 30MHz is measured in a 9m\*6m\*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site. There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

7. The SA setting following:

(1) Below 30MHz:

(1.1) 9KHz-490KHz : RBW=200Hz / VBW=1kHz / Sweep=AUTO

(1.2) 490KHz-30MHz : RBW=10kHz / VBW=30kHz / Sweep=AUTO

(2) 30MHz to 1GHz : RBW = 100kHz, VBW  $\geq 3 \times$  RBW, Sweep = Auto,

Detector = Peak, Trace = Max hold.

(3) Above 1GHz :

(3.1) For Peak measurement : RBW = 1MHz, VBW  $\geq 3 \times$  RBW, Sweep = Auto,

Detector = Peak, Trace = Max hold.

(3.2) For Average measurement : RBW = 1MHz, VBW

If Duty Cycle  $\geq 98\%$ , VBW=10Hz.

If Duty Cycle  $< 98\%$ , VBW=1/T.

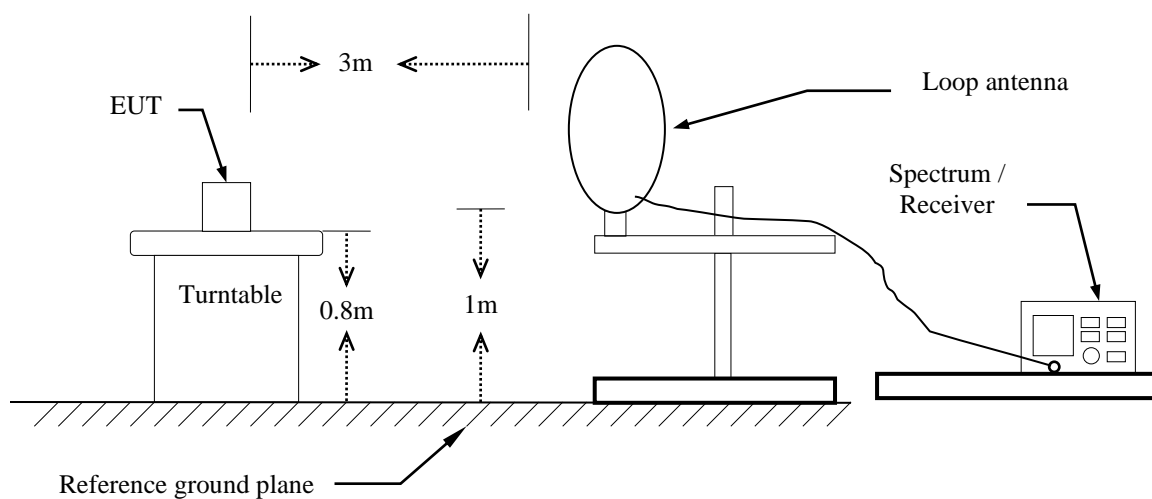
8. Data result

Actual FS=Spectrum Reading Level+Factor

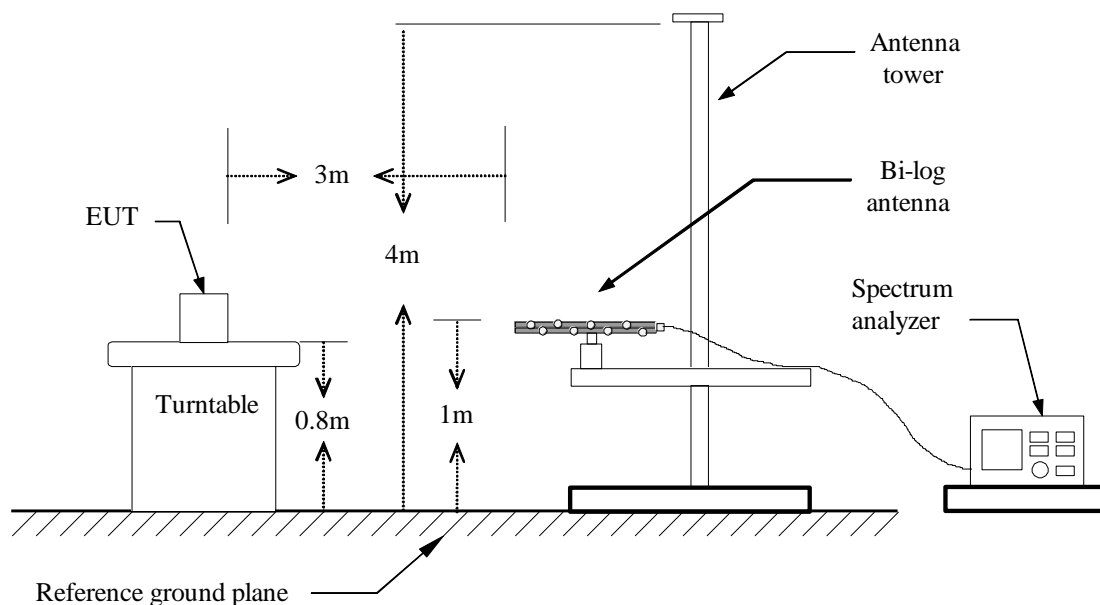
Margin=Actual FS- Limit

## 4.3.3 Test Setup

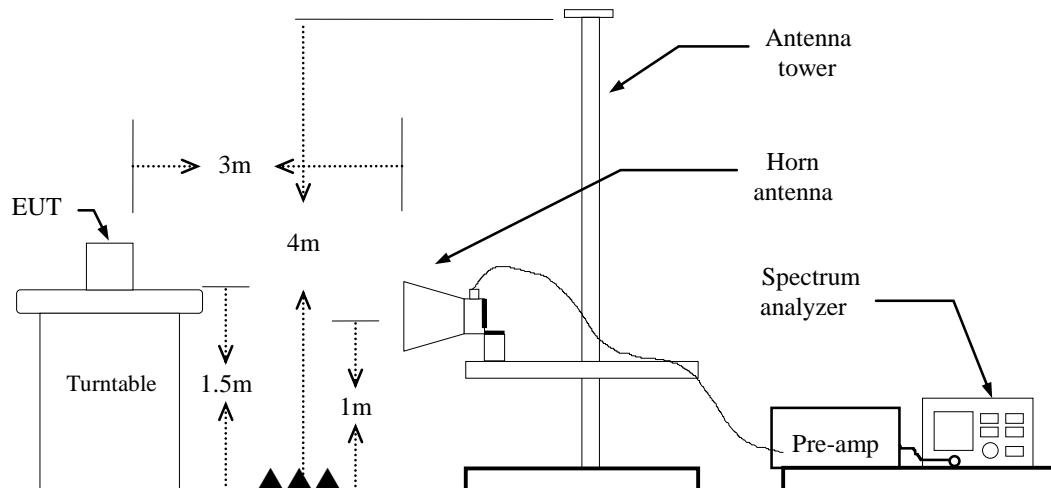
### 9kHz ~ 30MHz



### 30MHz ~ 1GHz



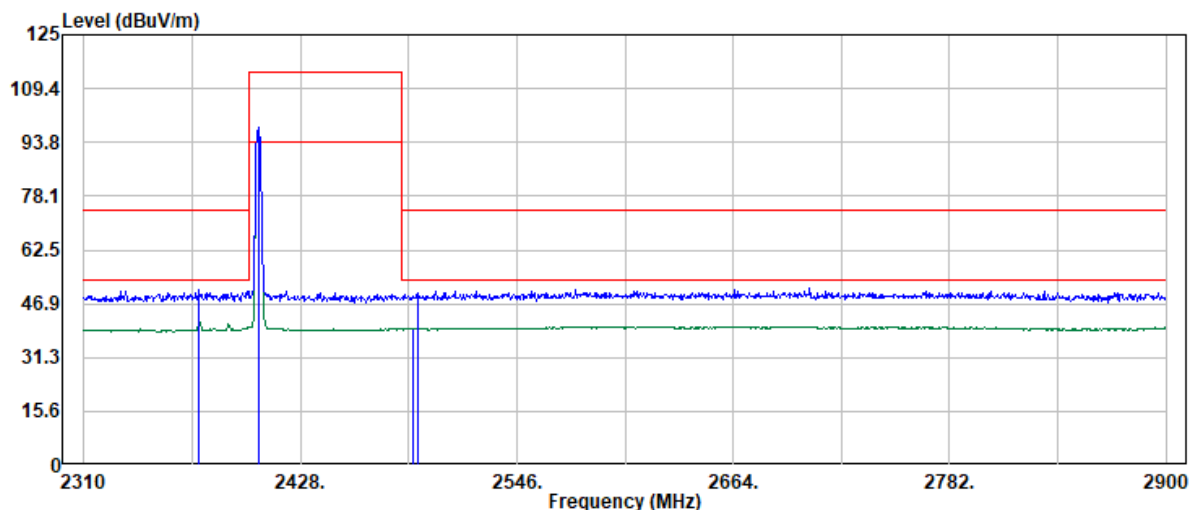
## Above 1 GHz



## 4.3.4 Test Result

### Band Edge Test Data

Project No	: TM-2506000255P	Test Date	: 2025-07-06
Operation Band	: GFSK	Temp./Humi.	: 25.4/52
Frequency	: 2405 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: Bandedge	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	:		



Trace: 1

Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2372.95	44.63	6.21	50.84	74.00	-23.16	Peak
2372.95	35.73	6.21	41.94	54.00	-12.06	Average
2404.92	91.48	6.37	97.85	114.00	-16.15	Peak
2404.92	97.85	-41.51	56.34	94.00	-37.66	Average
2489.35	32.99	6.81	39.80	54.00	-14.20	Average
2491.85	43.09	6.82	49.91	74.00	-24.09	Peak

**Note:**

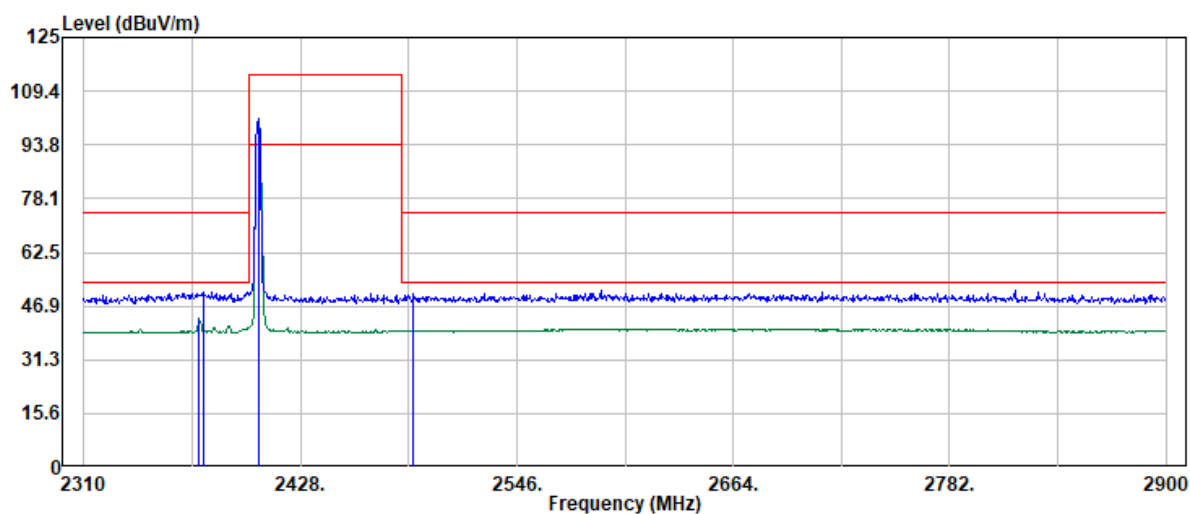
For Average measurement(when 7.3.2 cannot meet the requirements) : PK Results+ 20 log(Duty cycle)  
where the duty cycle correction factor is calculated from follow formula:  $20 \cdot \log((0.14\text{ms} \cdot 6)/100\text{ms})$

Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

Page 22 / 34  
Rev. 01

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2405 MHz  
Operation Mode : Bandedge  
EUT Pol : E2  
Setting :

Test Date : 2025-07-06  
Temp./Humi. : 25.4/52  
Antenna Pol. : HORIZONTAL  
Engineer : Ben.Yang  
Test Chamber : 966A



Trace: 1

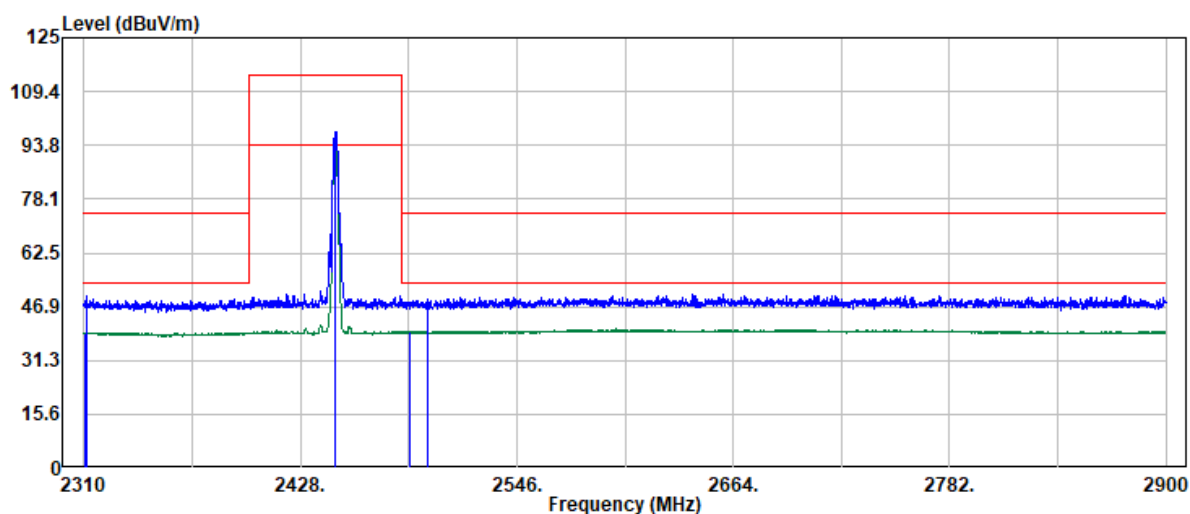
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2372.95	37.37	6.21	43.58	54.00	-10.42	Average
2375.45	44.85	6.23	51.08	74.00	-22.92	Peak
2405.00	94.83	6.37	101.20	114.00	-12.80	Peak
2405.00	101.20	-41.51	59.69	94.00	-34.31	Average
2489.85	43.45	6.82	50.27	74.00	-23.73	Peak
2489.85	32.87	6.82	39.69	54.00	-14.31	Average

Note:

For Average measurement(when 7.3.2 cannot meet the requirements) : PK Results+ 20 log(Duty cycle)  
where the duty cycle correction factor is calculated from follow formula:  $20 \cdot \log((0.14\text{ms} \cdot 6)/100\text{ms})$

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2447 MHz  
Operation Mode : Bandedge  
EUT Pol : E2  
Setting :

Test Date : 2025-07-15  
Temp./Humi. : 25.4/51  
Antenna Pol. : VERTICAL  
Engineer : Tony.Chao  
Test Chamber : 966A



Trace: 1

Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2310.24	32.95	6.39	39.34	54.00	-14.66	Average
2311.18	43.42	6.38	49.80	74.00	-24.20	Peak
2447.00	91.09	6.53	97.62	114.00	-16.38	Peak
2447.00	97.62	-41.51	56.11	94.00	-37.89	Average
2487.47	32.91	6.80	39.71	54.00	-14.29	Average
2497.27	42.22	6.82	49.04	74.00	-24.96	Peak

**Note:**

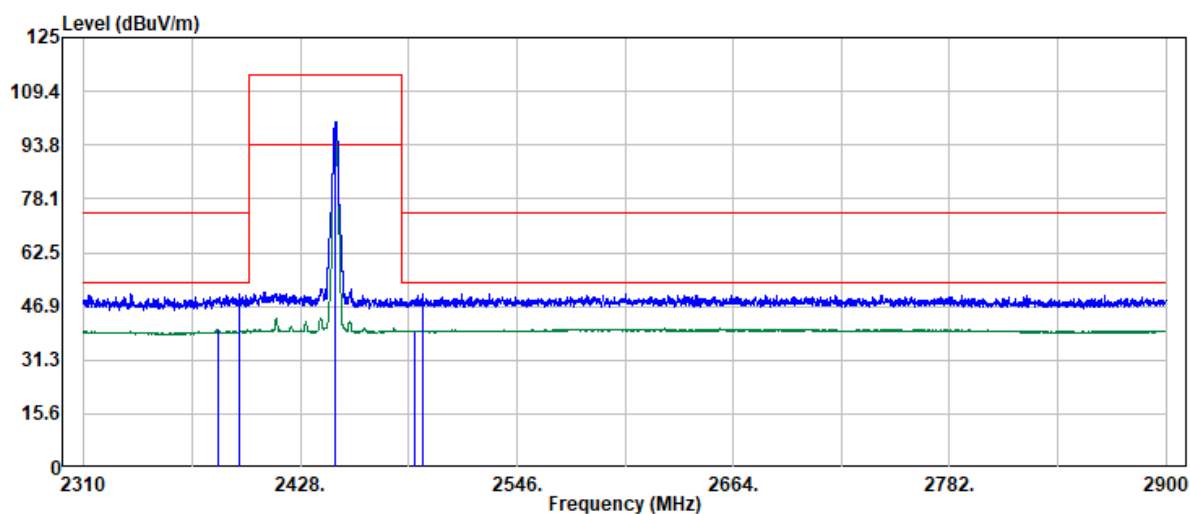
For Average measurement(when 7.3.2 cannot meet the requirements) : PK Results+ 20 log(Duty cycle)  
where the duty cycle correction factor is calculated from follow formula:  $20 \cdot \log((0.14\text{ms} \cdot 6)/100\text{ms})$

Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

Page 24 / 34  
Rev. 01

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2447 MHz  
Operation Mode : Bandedge  
EUT Pol : E2  
Setting :

Test Date : 2025-07-15  
Temp./Humi. : 25.4/51  
Antenna Pol. : HORIZONTAL  
Engineer : Tony.Chao  
Test Chamber : 966A



Trace: 1

Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2383.04	33.98	6.28	40.26	54.00	-13.74	Average
2394.72	44.07	6.34	50.41	74.00	-23.59	Peak
2447.00	93.97	6.53	100.50	114.00	-13.50	Peak
2447.00	100.50	-41.51	58.99	94.00	-35.01	Average
2490.07	32.98	6.82	39.80	54.00	-14.20	Average
2494.55	43.44	6.81	50.25	74.00	-23.75	Peak

Note:

For Average measurement(when 7.3.2 cannot meet the requirements) : PK Results+ 20 log(Duty cycle)  
where the duty cycle correction factor is calculated from follow formula:  $20 \cdot \log((0.14\text{ms} \cdot 6)/100\text{ms})$

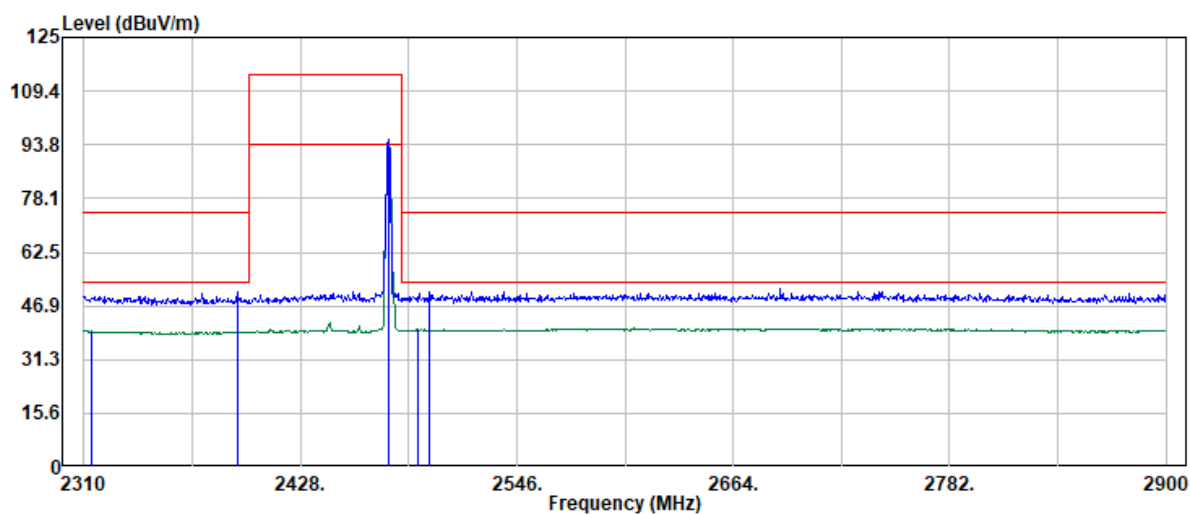


Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

Page 25 / 34  
Rev. 01

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2476 MHz  
Operation Mode : Bandedge  
EUT Pol : E2  
Setting :

Test Date : 2025-07-06  
Temp./Humi. : 25.4/52  
Antenna Pol. : VERTICAL  
Engineer : Ben.Yang  
Test Chamber : 966A



Trace: 1

Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2314.50	33.24	6.35	39.59	54.00	-14.41	Average
2393.43	44.74	6.34	51.08	74.00	-22.92	Peak
2476.00	88.51	6.66	95.17	114.00	-18.83	Peak
2476.00	95.17	-41.51	53.66	94.00	-40.34	Average
2492.35	33.23	6.82	40.05	54.00	-13.95	Average
2498.34	44.58	6.81	51.39	74.00	-22.61	Peak

Note:

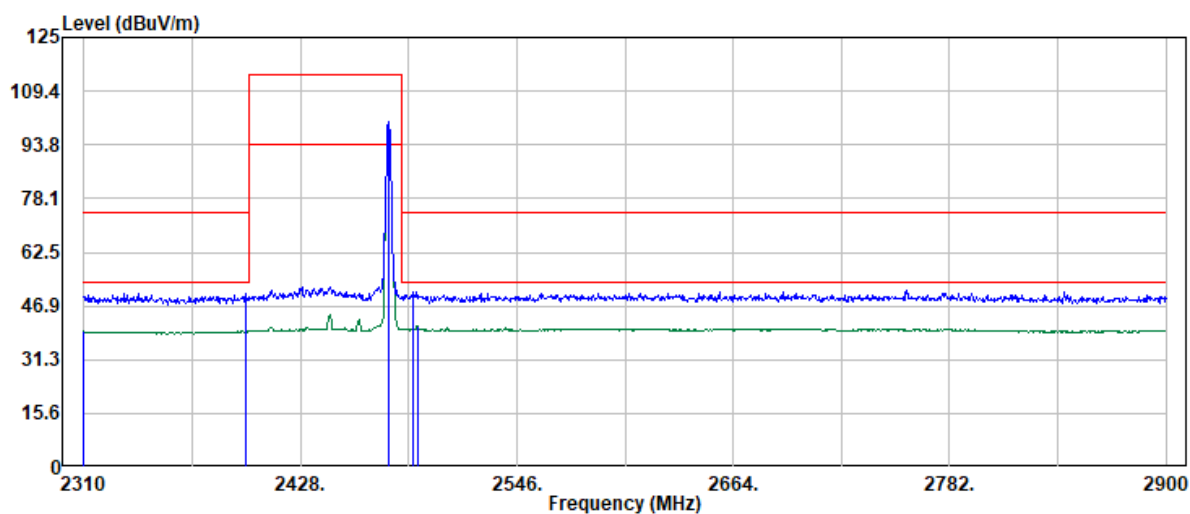
For Average measurement(when 7.3.2 cannot meet the requirements) : PK Results+ 20 log(Duty cycle)  
where the duty cycle correction factor is calculated from follow formula:  $20 \cdot \log((0.14\text{ms} \cdot 6)/100\text{ms})$

Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

Page 26 / 34  
Rev. 01

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2476 MHz  
Operation Mode : Bandedge  
EUT Pol : E2  
Setting :

Test Date : 2025-07-06  
Temp./Humi. : 25.4/52  
Antenna Pol. : HORIZONTAL  
Engineer : Ben.Yang  
Test Chamber : 966A



Trace: 1

Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2310.00	33.01	6.40	39.41	54.00	-14.59	Average
2397.93	44.17	6.37	50.54	74.00	-23.46	Peak
2476.00	93.63	6.66	100.29	114.00	-13.71	Peak
2476.00	100.29	-41.51	58.78	94.00	-35.22	Average
2489.85	44.23	6.82	51.05	74.00	-22.95	Peak
2491.85	34.38	6.82	41.20	54.00	-12.80	Average

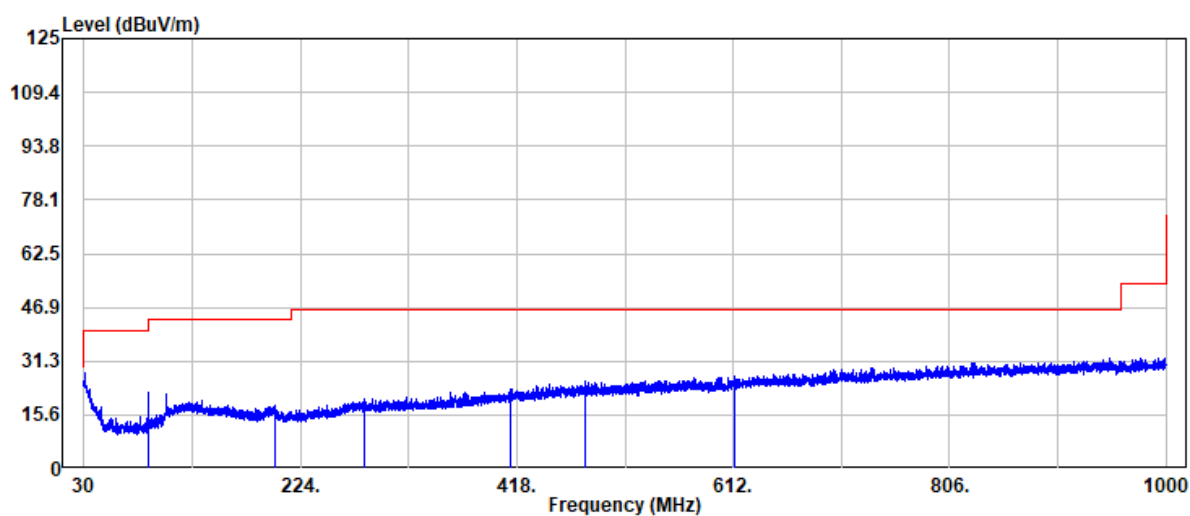
Note:

For Average measurement(when 7.3.2 cannot meet the requirements) : PK Results+ 20 log(Duty cycle)  
where the duty cycle correction factor is calculated from follow formula:  $20 \cdot \log((0.14\text{ms} \cdot 6)/100\text{ms})$

## TX Test Data

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2476 MHz  
Operation Mode : TX  
EUT Pol : E2  
Setting :

Test Date : 2025-07-06  
Temp./Humi. : 25.4/52  
Antenna Pol. : VERTICAL  
Engineer : Ben.Yang  
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
87.96	38.69	-16.32	22.37	40.00	-17.63	Peak
201.69	29.20	-10.94	18.26	43.50	-25.24	Peak
281.35	29.92	-9.54	20.38	46.00	-25.62	Peak
412.54	29.58	-6.38	23.20	46.00	-22.80	Peak
479.72	29.99	-4.50	25.49	46.00	-20.51	Peak
613.82	29.25	-2.51	26.74	46.00	-19.26	Peak

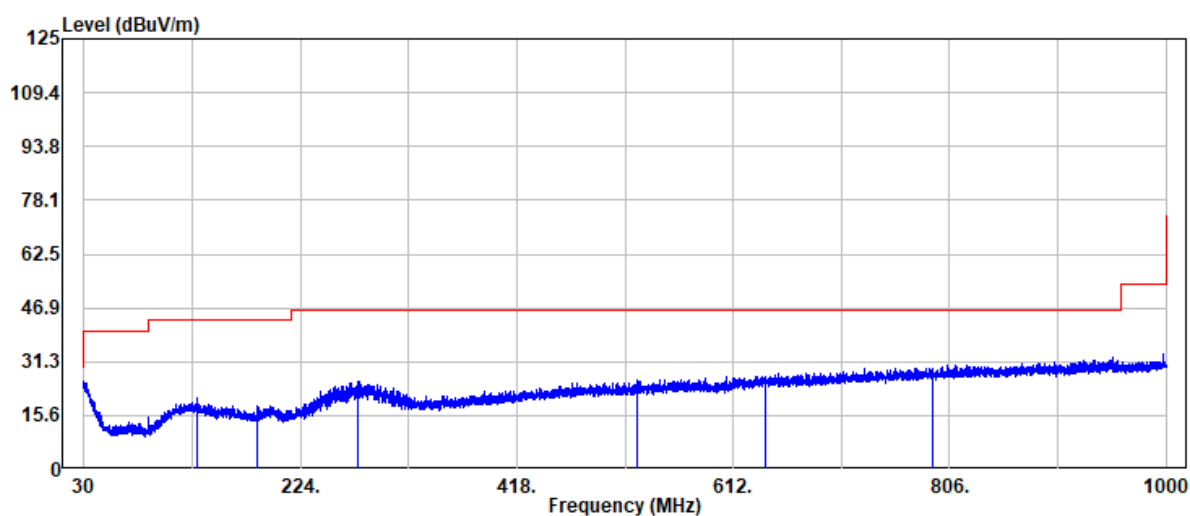
Note: PK results to meet QP and AVG limit value.

Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

Page 28 / 34  
Rev. 01

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2476 MHz  
Operation Mode : TX  
EUT Pol : E2  
Setting :

Test Date : 2025-07-06  
Temp./Humi. : 25.4/52  
Antenna Pol. : HORIZONTAL  
Engineer : Ben.Yang  
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
131.24	30.61	-9.79	20.82	43.50	-22.68	Peak
185.56	30.51	-12.11	18.40	43.50	-25.10	Peak
276.26	34.91	-9.51	25.40	46.00	-20.60	Peak
526.64	30.16	-4.13	26.03	46.00	-19.97	Peak
641.22	28.61	-1.71	26.90	46.00	-19.10	Peak
790.24	29.18	0.24	29.42	46.00	-16.58	Peak

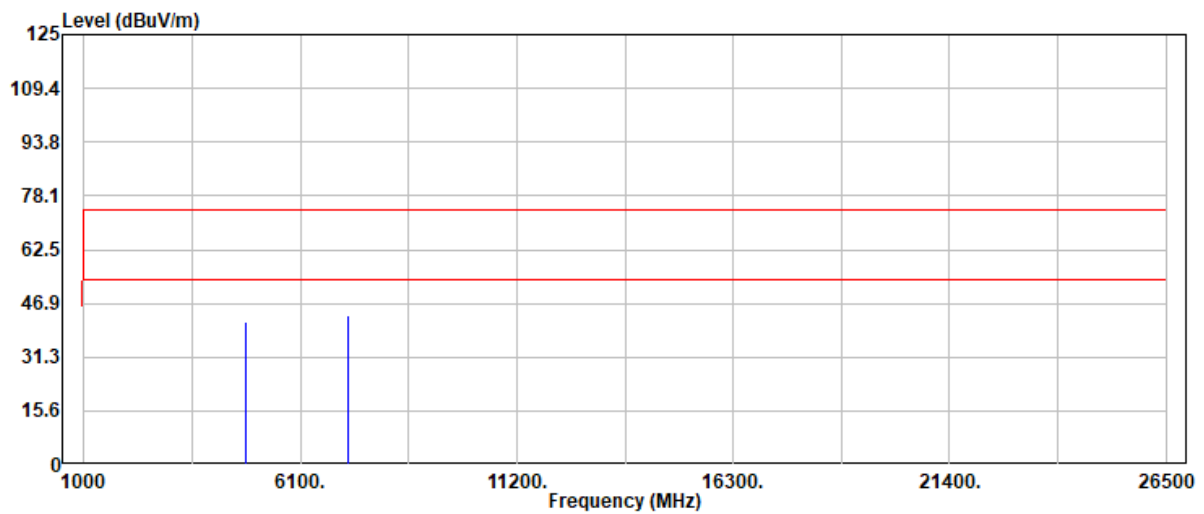
Note: PK results to meet QP and AVG limit value.

Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

Page 29 / 34  
Rev. 01

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2405 MHz  
Operation Mode : TX  
EUT Pol : E2  
Setting :

Test Date : 2025-07-06  
Temp./Humi. : 25.4/52  
Antenna Pol. : VERTICAL  
Engineer : Ben.Yang  
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4810.00	39.21	2.41	41.62	74.00	-32.38	Peak
7215.00	34.51	9.02	43.53	74.00	-30.47	Peak

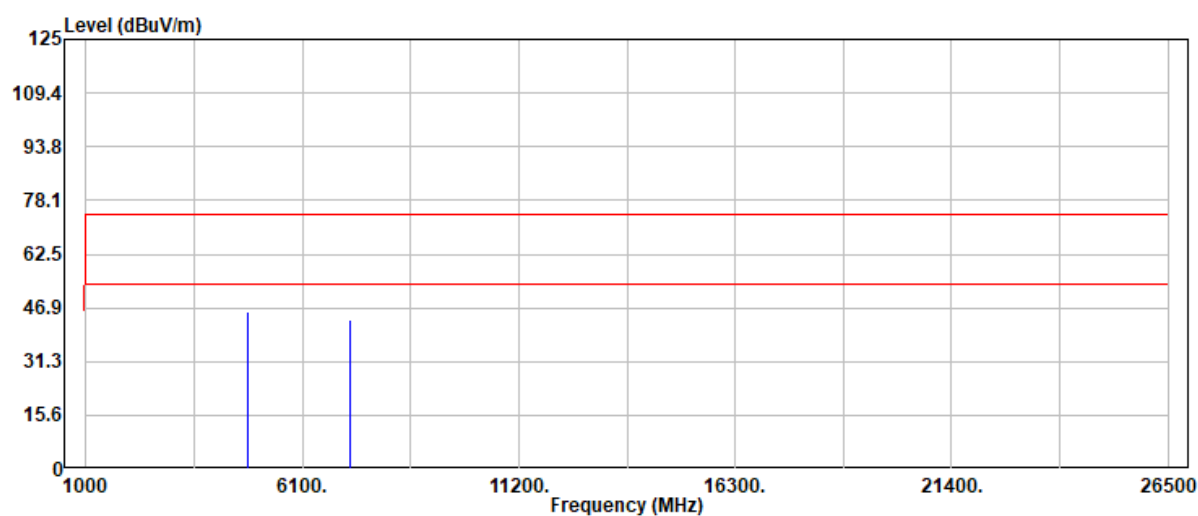
Note: PK results to meet AVG limit value.

Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

Page 30 / 34  
Rev. 01

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2405 MHz  
Operation Mode : TX  
EUT Pol : E2  
Setting :

Test Date : 2025-07-06  
Temp./Humi. : 25.4/52  
Antenna Pol. : HORIZONTAL  
Engineer : Ben.Yang  
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4810.00	43.38	2.41	45.79	74.00	-28.21	Peak
7215.00	34.30	9.02	43.32	74.00	-30.68	Peak

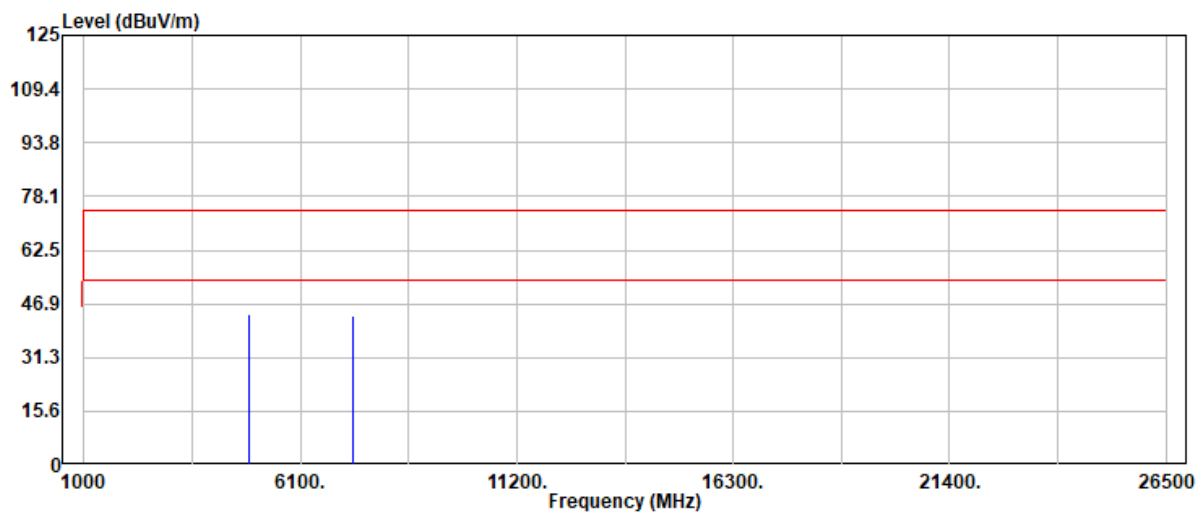
Note: PK results to meet AVG limit value.

Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

Page 31 / 34  
Rev. 01

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2447 MHz  
Operation Mode : TX  
EUT Pol : E2  
Setting :

Test Date : 2025-07-06  
Temp./Humi. : 25.4/52  
Antenna Pol. : VERTICAL  
Engineer : Ben.Yang  
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4894.00	40.90	2.81	43.71	74.00	-30.29	Peak
7341.00	33.79	9.47	43.26	74.00	-30.74	Peak

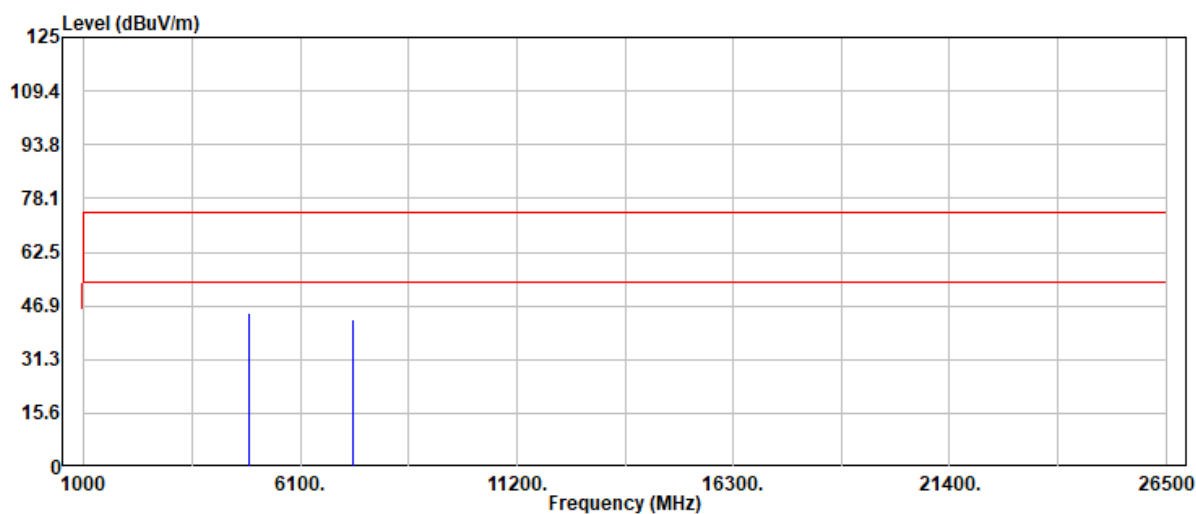
Note: PK results to meet AVG limit value.

Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

Page 32 / 34  
Rev. 01

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2447 MHz  
Operation Mode : TX  
EUT Pol : E2  
Setting :

Test Date : 2025-07-06  
Temp./Humi. : 25.4/52  
Antenna Pol. : HORIZONTAL  
Engineer : Ben.Yang  
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4894.00	41.94	2.81	44.75	74.00	-29.25	Peak
7341.00	33.35	9.47	42.82	74.00	-31.18	Peak

Note: PK results to meet AVG limit value.

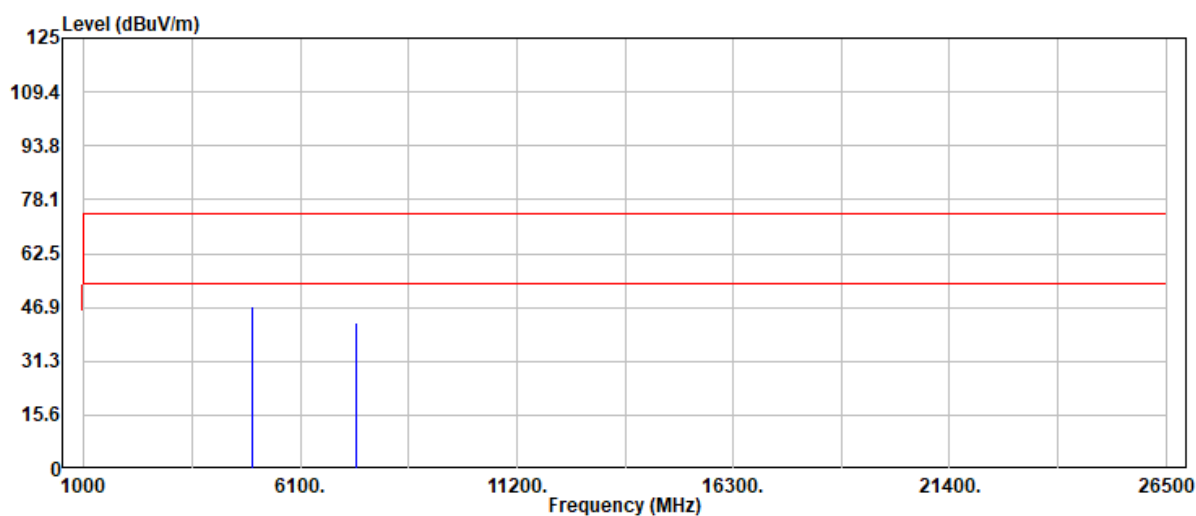


Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

Page 33 / 34  
Rev. 01

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2476 MHz  
Operation Mode : TX  
EUT Pol : E2  
Setting :

Test Date : 2025-07-06  
Temp./Humi. : 25.4/52  
Antenna Pol. : VERTICAL  
Engineer : Ben.Yang  
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4952.00	43.46	3.48	46.94	74.00	-27.06	Peak
7428.00	32.98	9.49	42.47	74.00	-31.53	Peak

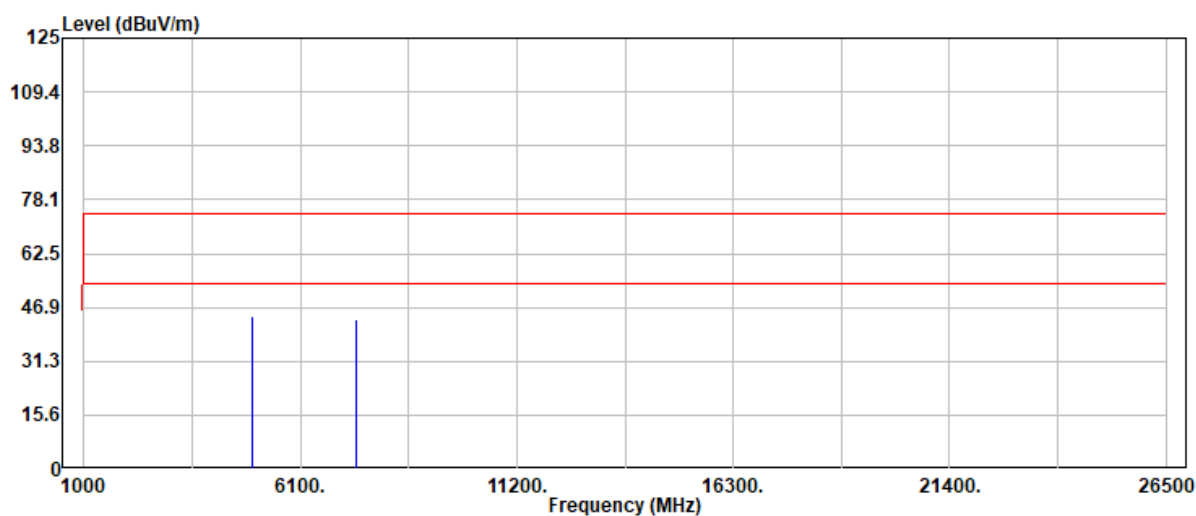
Note: PK results to meet AVG limit value.

Project No: TM-2506000255P  
Report No.: TMWK2506002423KR

Page 34 / 34  
Rev. 01

Project No : TM-2506000255P  
Operation Band : GFSK  
Frequency : 2476 MHz  
Operation Mode : TX  
EUT Pol : E2  
Setting :

Test Date : 2025-07-06  
Temp./Humi. : 25.4/52  
Antenna Pol. : HORIZONTAL  
Engineer : Ben.Yang  
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4952.00	40.64	3.48	44.12	74.00	-29.88	Peak
7428.00	33.81	9.49	43.30	74.00	-30.70	Peak

Note: PK results to meet AVG limit value.

**- End of Test Report -**