

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

FCC ID: 2BG7FSCALE2251

Page: 1 / 51
Rev.: 01

RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART C (CLASS II PERMISSIVE CHANGE)

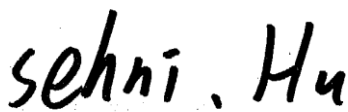
Test Standard	FCC Part 15.247
Product name	Module
Brand Name	N/A
Model No.	SKI.WB921AU.1
Test Result	Pass
Statements of Conformity	Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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.

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。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 2 / 51
Rev.: 01

Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	February 7, 2025	Initial Issue	ALL	Peggy Tsai
01	February 13, 2025	See the following Note Rev. (01)	P.15, 16, A-3	Peggy Tsai

Note:

Rev. (01)

1. Added EUT duty cycle in section 3.3.
2. Modify Conducted Emission Set Up Photo.

Table of contents

1. GENERAL INFORMATION	4
1.1 EUT INFORMATION	4
1.2 INFORMATION ABOUT THE FHSS CHARACTERISTICS.....	5
1.3 EUT CHANNEL INFORMATION	6
1.4 ANTENNA INFORMATION	6
1.5 MEASUREMENT UNCERTAINTY	7
1.6 FACILITIES AND TEST LOCATION	7
1.7 INSTRUMENT CALIBRATION.....	8
1.8 SUPPORT AND EUT ACCESSORIES EQUIPMENT.....	10
1.9 TEST SETUP DIAGRAM	10
1.10TEST PROGRAM	11
1.11TEST METHODOLOGY AND APPLIED STANDARDS	11
2. TEST SUMMARY	12
3. DESCRIPTION OF TEST MODES	13
3.1 THE WORST MODE OF OPERATING CONDITION.....	13
3.2 THE WORST MODE OF MEASUREMENT	14
3.3 EUT DUTY CYCLE	15
4. TEST RESULT	17
4.1 AC POWER LINE CONDUCTED EMISSION.....	17
4.2 OUTPUT POWER MEASUREMENT.....	20
4.3 RADIATION BANDEGE AND SPURIOUS EMISSION	22
APPENDIX-A TEST PHOTO	A-1

1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	D'Crypt Pte Ltd 11 Bishan Street 21, #06-01, Singapore 573943
Manufacturer	Pronology Services Inc 6F, NO. 48, Wu-Chuan Rd., Wu-Ku Industrial Park New Taipei City.
Equipment	Module
Model No.	SKI.WB921AU.1
Model Discrepancy	N/A
Brand Name	N/A
Host Equipment	Secure Computing Anywhere
Host Model	SCA-LE
Host Brand Name	Secure Computing Anywhere
Received Date	March 27, 2024
Date of Test	May 23 ~ June 18, 2024
Power Supply	Power from 9Vdc (Typical: USB Type C)
Class II Permissive Change	1. Request approval for mobile category specific host, host model number –SCA-LE with antenna, model number: AYP6P-100034 (WiFi MAIN Antenna), AYP6P-100035 (WiFi AUX Antenna) and AYP6P-100036 (BT Antenna). 2. When modules are migrated to the host, BT1 antenna is not connected and is disabled by default. Other RF functions remain unchanged. RF output power and Radiation emissions were performed to verify RF compliance.

Remark:

- For more details, please refer to the User's manual of the EUT.
- Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

1.2 INFORMATION ABOUT THE FHSS CHARACTERISTICS

1.2.1 Pseudorandom Frequency Hopping Sequence

The channel is represented by a pseudo-random hopping sequence hopping through the 79 RF channels. The hopping sequence is unique for the piconet and is determined by the Bluetooth device address of the master; the phase in the hopping sequence is determined by the Bluetooth clock of the master. The channel is divided into time slots where each slot corresponds to an RF hop frequency. Consecutive hops correspond to different RF hop frequencies. The nominal hop rate is 1 600 hops/s.

1.2.2 Equal Hopping Frequency Use

The channels of this system will be used equally over the long-term distribution of the hopsets.

1.2.3 Example of a 79 hopping sequence in data mode:

02, 05, 31, 24, 20, 10, 43, 36, 30, 23, 40, 06, 21, 50, 44, 09, 71, 78, 01, 13, 73, 07, 70, 72, 35, 62, 42, 11, 41, 08, 16, 29, 60, 15, 34, 61, 58, 04, 67, 12, 22, 53, 57, 18, 27, 76, 39, 32, 17, 77, 52, 33, 56, 46, 37, 47, 64, 49, 45, 38, 69, 14, 51, 26, 79, 19, 28, 65, 75, 54, 48, 03, 25, 66, 05, 16, 68, 74, 59, 63, 55

1.2.4 System Receiver Input Bandwidth

Each channel bandwidth is 1MHz.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.

1.2.5 Equipment Description

The Rx input bandwidths shift frequencies in synchronization with the transmitted signals.

In accordance with the Bluetooth Industry Standard, the system is designed to comply with all of the regulations in standard when the transmitter is presented with a continuous data (or information) system.

In accordance with the Bluetooth Industry Standard, the system does not coordinate its channels selection/ hopping sequence with other frequency hopping systems for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters.

1.3 EUT CHANNEL INFORMATION

Frequency Range	2402MHz-2480MHz
Modulation Type	1. GFSK for BDR-1Mbps 2. $\pi/4$ -DQPSK for EDR-2Mbps 3. 8DPSK for EDR-3Mbps
Number of channel	79 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
☐ 1 MHz or less	1	Middle
☐ 1 MHz to 10 MHz	2	1 near top and 1 near bottom
☒ More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

1.4 ANTENNA INFORMATION

Antenna Specification	☒ PIFA ☐ PCB ☐ Dipole ☐ Coils
Antenna Gain	Gain: 1.69 dBi
Brand / Model	AWAN / AYP6P-100036

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.

1.5 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	± 2.213 dB
RF output power (Power Meter + Power sensor)	± 0.243 dB
Radiated Emission_9kHz-30MHz	± 3.761 dB
Radiated Emission_30MHz-200MHz	± 3.473 dB
Radiated Emission_200MHz-1GHz	± 3.946 dB
Radiated Emission_1GHz-6GHz	± 4.797 dB
Radiated Emission_6GHz-18GHz	± 4.803 dB
Radiated Emission_18GHz-26GHz	± 3.459 dB
Radiated Emission_26GHz-40GHz	± 3.297 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.

1.6 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	Ben Yang	-
Radiation	Tony Chao 、 Czerny Lin	-
RF Conducted	Marco Chan	-

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

1.7 INSTRUMENT CALIBRATION

Conducted_FCC/IC/NCC_ALL					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Power Sensor	Anritsu	MA2411B	1911387	2023-07-25	2024-07-24
Power Meter	Anritsu	ML2496A	2136002	2023-11-16	2024-11-15
EXA Signal Analyzer	Keysight	N9030B	MY62291089	2023-10-13	2024-10-12
Software	Radio Test Software Ver. 21				

966A_Radiated					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Analyzer	KEYSIGHT	N9010A	MY54200716	2023-10-13	2024-10-12
Thermo-Hygro Meter	WISEWIND	1206	D07	2023-12-08	2024-12-07
Active Loop Antenna	SCHWARZBECK	FMZB 1513-60	1513-60-028	2023-12-13	2024-12-12
Bi-Log Antenna	Sunol Sciences	JB3	A030105	2023-08-08	2024-08-07
Preamplifier	EMEC	EM330	060609	2024-02-21	2025-02-20
Cable	Huber+Suhner	104PEA	20995+21000+182330	2024-02-21	2025-02-20
Horn Antenna	ETC	MCTD 1209	DRH13M02003	2023-12-28	2024-12-27
Preamplifier	HP	8449B	3008A00965	2023-12-22	2024-12-21
Cable	EMCI	EMC101G	221213+221011+221012	2023-10-17	2024-10-16
Attenuator	Mini-Circuits	BW-S9W5	BWS9W5-09-966A-01	2024-02-07	2025-02-06
High Pass Filters	Titan Microwave	T04H30001800070S01	22011402-4	2023-06-17	2024-06-16
Horn Antenna	SCHWARZBECK	BBHA9170	1047	2023-12-13	2024-12-12
Pre-Amplifier	EMCI	EMC184045SE	980860	2023-12-12	2024-12-11
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
Site Validation	CCS	966A	N/A	2023-07-10	2024-07-09
Software	e3 V9-210616c				

Remark:

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

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 9 / 51
Rev.: 01

AC Mains Conduction					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI	101073	2023-07-06	2024-07-05
LISN	TESEQ	LN2-16N	22012	2024-02-29	2025-02-27
Cable	EMCI	CFD300-NL	CERF	2023-06-27	2024-06-26
Software	e3 V6-110812				

Remark:

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

1.8 SUPPORT AND EUT ACCESSORIES EQUIPMENT

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

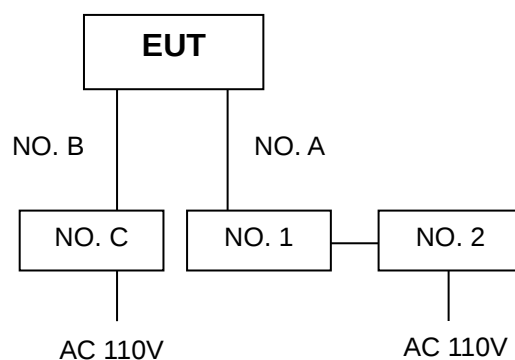
Support Equipment (Conducted)						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	NB(B)	Lenovo	T470	N/A	N/A	N/A

Support Equipment (Conduction)						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	NB(D)	Lenovo	ThinkPad X260	N/A	N/A	N/A
2	Adapter	Lenovo	ADLX45DLC3A	N/A	N/A	N/A
A	USB Cable	N/A	N/A	N/A	N/A	N/A
B	USB Test Cable	N/A	N/A	N/A	N/A	N/A
C	Adapter	MI	MDY-13-EG	N/A	N/A	N/A

Support Equipment (RSE)						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	NB(D)	Lenovo	ThinkPad X260	N/A	N/A	N/A
2	Adapter	Lenovo	ADLX45DLC3A	N/A	N/A	N/A
A	USB Cable	N/A	N/A	N/A	N/A	N/A
B	USB HUB	UGREEN	CM136	N/A	N/A	N/A
C	Adapter	MI	MDY-13-EG	N/A	N/A	N/A

1.9 TEST SETUP DIAGRAM

RSE:



1.10 TEST PROGRAM

The EUT connection corresponds to the surrounding fixture control board.
This EUT uses "MediaTek BT Tool v.1.2" software to set the frequency, modulation, and power to allow the sample to continuously transmit. (including frequency hopping mode).

1.11 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, KDB 558074.

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(b)(1)	4.2	Output Power Measurement	Pass
15.247(d) 15.209 15.205	4.3	Radiation Band Edge	Pass
15.247(d) 15.209 15.205	4.3	Radiation Spurious Emission	Pass

Note:

The host antenna is of a different type than originally approved , RF output power was reduced compared to the original application, so conducted performance in the intended frequency bands is expected to be lower than measured in the original modular approval. However, radiation performance will be fully evaluated for product compliance.

3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	GFSK for BDR-1Mbps (DH5) $\pi/4$ -DQPSK for 2Mbps (2DH5) 8DPSK for EDR-3Mbps (3DH5)
Test Channel Frequencies	GFSK for BDR-1Mbps: 1.Lowest Channel: 2402MHz 2.Middle Channel: 2441MHz 3.Highest Channel: 2480MHz $\pi/4$-DQPSK for 2Mbps: 1.Lowest Channel: 2402MHz 2.Middle Channel: 2441MHz 3.Highest Channel: 2480MHz 8DPSK for EDR-3Mbps: 1.Lowest Channel: 2402MHz 2.Middle Channel: 2441MHz 3.Highest Channel: 2480MHz

Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.
2. The system support GFSK , $\pi/4$ DQPSK ,8DPSK , the 8DPSK were reduced since the identical parameters with $\pi/4$ DQPSK.

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 9Vdc (Typical: USB Type C)
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT Power by 9Vdc (Typical: USB Type C)
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4
Worst Position	☐ Placed in fixed position. ☒ Placed in fixed position at X-Plane (E2-Plane) ☐ Placed in fixed position at Y-Plane (E1-Plane) ☐ 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 9Vdc (Typical: USB Type C)
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ 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 report.

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 15 / 51
Rev.: 01

3.3 EUT DUTY CYCLE

Temperature: 20.3 ~ 22.8°C
Humidity: 60 ~ 62% RH

Test date: May 23 ~ 24, 2024
Tested by: Marco Chan

	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
DH5	76.80	1.15	0.35	1.00
2DH5	76.80	1.15	0.35	1.00
3DH5	76.80	1.15	0.35	1.00

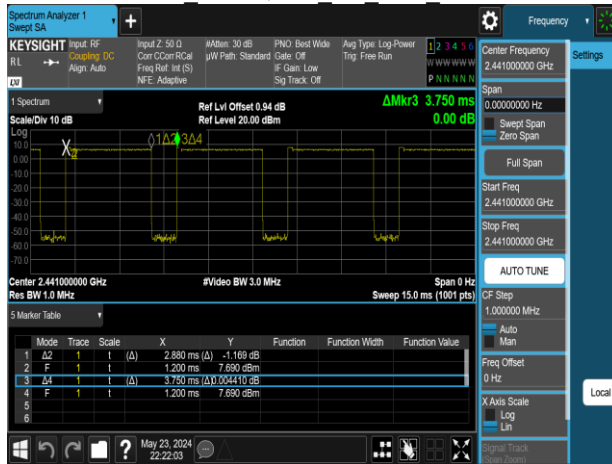
Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 16 / 51
Rev.: 01

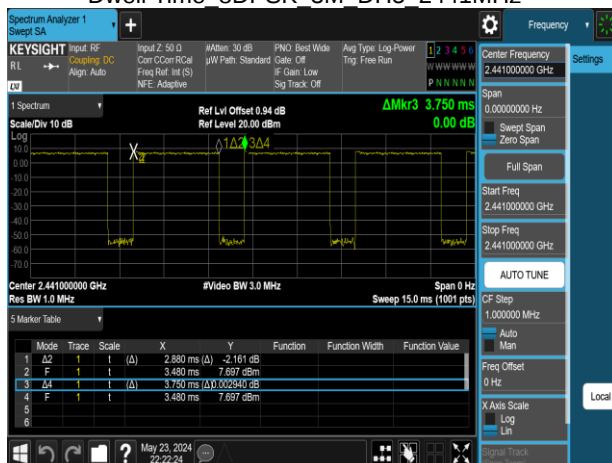
Dwell Time GFSK 1M DH5 2441MHz



Dwell Time $\pi/4$ DQPSK 2M DH5 2441MHz



Dwell Time 8DPSK 3M DH5 2441MHz



4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a) ,

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

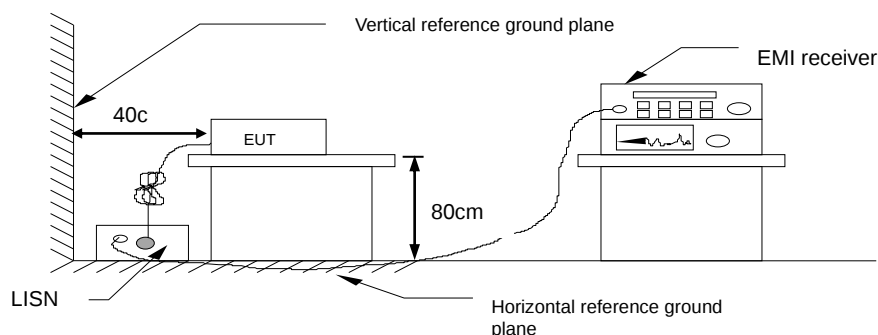
* Decreases with the logarithm of the frequency.

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

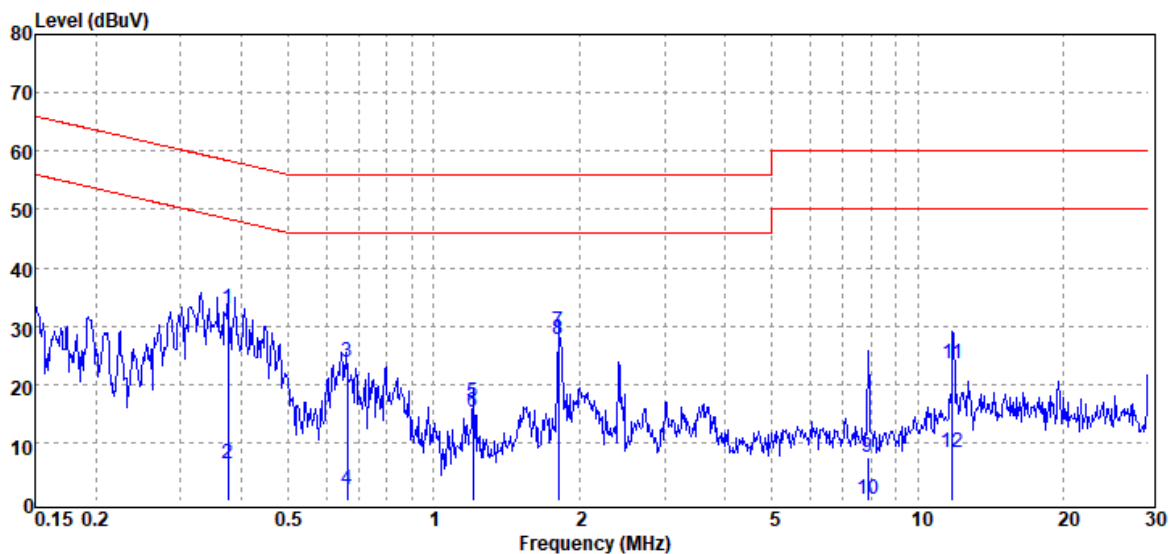
Pass.

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 18 / 51
Rev.: 01

Test Data

Project No	: TM-2403000388P	Test Date	: 2024-06-11
Operation Mode	: BT	Temp./Humi.	: 23.4°C / 54%
Test Chamber	: Conduction	Engineer	: Ben Yang
Probe	: LINE	Test Voltage	: AC 120V/60Hz
Note	:		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.376	QP	32.82	0.15	32.97	58.37	-25.40
0.376	Average	6.21	0.15	6.36	48.37	-42.01
0.662	QP	23.61	0.16	23.77	56.00	-32.23
0.662	Average	1.68	0.16	1.84	46.00	-44.16
1.207	QP	16.62	0.18	16.80	56.00	-39.20
1.207	Average	15.08	0.18	15.26	46.00	-30.74
1.807	QP	28.77	0.21	28.98	56.00	-27.02
1.807	Average	27.45	0.21	27.66	46.00	-18.34
7.878	QP	7.21	0.33	7.54	60.00	-52.46
7.878	Average	0.02	0.33	0.35	50.00	-49.65
11.774	QP	23.02	0.40	23.42	60.00	-36.58
11.774	Average	7.94	0.40	8.34	50.00	-41.66

Note: 1. Actual FS= Spectrum Read Level + Factor

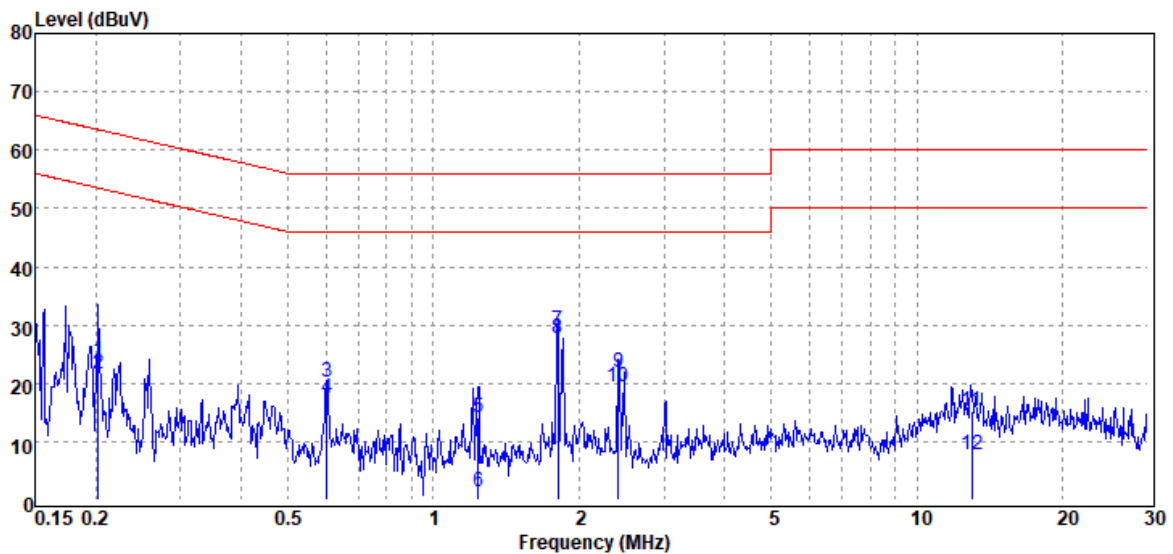
Note: 2. Margin= Actual FS - Limit

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 19 / 51
Rev.: 01

Project No : TM-2403000388P
Operation Mode : BT
Test Chamber : Conduction
Probe : NEUTRAL
Note :

Test Date : 2024-06-11
Temp./Humi. : 23.4°C / 54%
Engineer : Ben Yang
Test Voltage : AC 120V/60Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.203	QP	23.57	0.19	23.76	63.50	-39.74
0.203	Average	21.40	0.19	21.59	53.50	-31.91
0.603	QP	19.98	0.19	20.17	56.00	-35.83
0.603	Average	17.27	0.19	17.46	46.00	-28.54
1.236	QP	13.93	0.22	14.15	56.00	-41.85
1.236	Average	1.27	0.22	1.49	46.00	-44.51
1.809	QP	28.82	0.25	29.07	56.00	-26.93
1.809	Average	27.48	0.25	27.73	46.00	-18.27
2.415	QP	21.64	0.28	21.92	56.00	-34.08
2.415	Average	18.98	0.28	19.26	46.00	-26.74
12.979	QP	14.65	0.44	15.09	60.00	-44.91
12.979	Average	7.25	0.44	7.69	50.00	-42.31

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

4.2 OUTPUT POWER MEASUREMENT

4.2.1 Test Limit

According to §15.247(b)(1),

Peak output power :

FCC

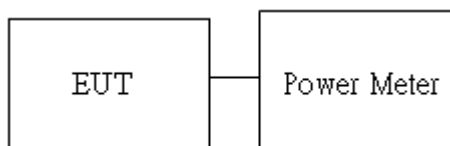
For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

Average output power : For reporting purposes only.

4.2.2 Test Procedure

1. The EUT RF output connected to the power meter by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Peak output power and Average output power. in the test report.

4.2.3 Test Setup



4.2.4 Test Result

Temperature: 20.3 ~ 22.8°C

Humidity: 60 ~ 62% RH

Test date: May 23 ~ 24, 2024

Tested by: Marco Chan

Peak & Average output power :

1M BR mode (Peak):

CH	Freq. (MHz)	Power Setting	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	7	8.24	6.668	1000
Mid	2441	7	8.21	6.622	1000
High	2480	7	8.19	6.592	1000

1M BR mode (Average):

CH	Freq. (MHz)	Power Setting	Avg. Output Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	7	8.16	6.541	1000
Mid	2441	7	8.10	6.451	1000
High	2480	7	8.08	6.422	1000

2M EDR mode (Peak):

CH	Freq. (MHz)	Power Setting	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	7	8.04	6.368	125
Mid	2441	7	8.06	6.397	125
High	2480	7	8.05	6.383	125

2M EDR mode (Average):

CH	Freq. (MHz)	Power Setting	Avg. Output Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	7	5.40	3.464	125
Mid	2441	7	5.37	3.441	125
High	2480	7	5.34	3.417	125

3M EDR mode (Peak):

CH	Freq. (MHz)	Power Setting	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	7	8.28	6.730	125
Mid	2441	7	8.26	6.699	125
High	2480	7	8.25	6.683	125

3M EDR mode (Average):

CH	Freq. (MHz)	Power Setting	Avg. Output Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	7	5.48	3.529	125
Mid	2441	7	5.39	3.457	125
High	2480	7	5.36	3.433	125

Note: Measured by power meter, cable loss + Duty cycle factor has been offsetted to the power meter for Avg. power and cable loss has been offsetted for Peak power measurement.

4.3 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.3.1 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 (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open area 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.

4.3.2 Test Procedure

1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and 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 26.5GHz set to the low, Mid and High channels with the EUT transmit.

4. 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-ane choic 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.

5. 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.

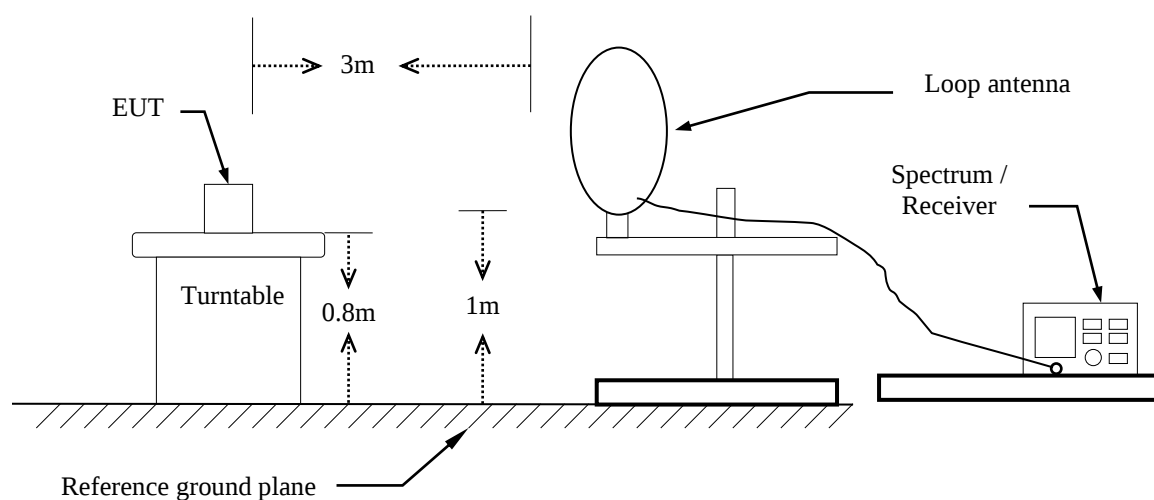
6. Data result

Actual FS=Spectrum Reading Level + Factor

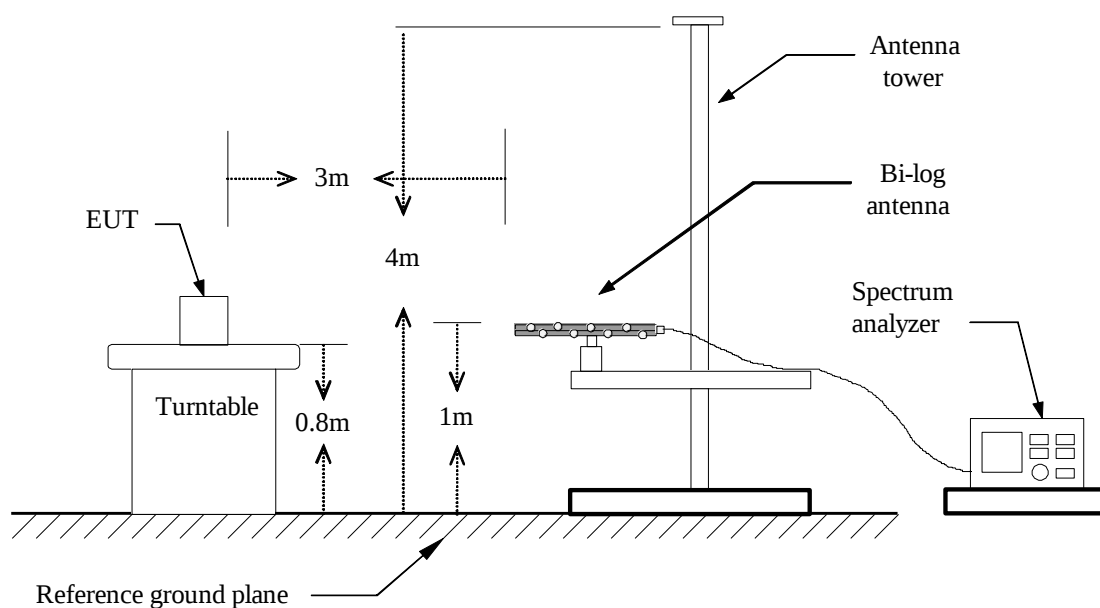
Margin=Actual FS- Limit

4.3.3 Test Setup

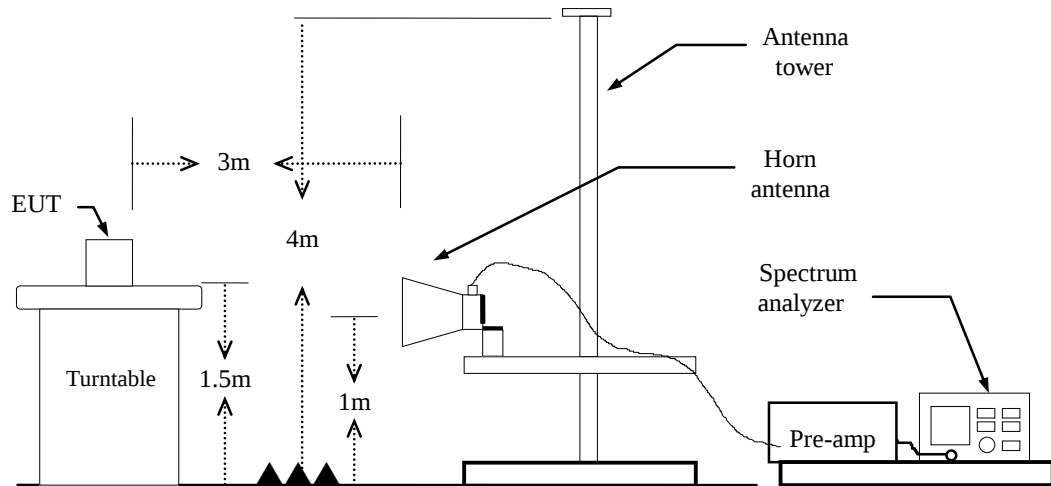
9kHz ~ 30MHz



30MHz ~ 1GHz



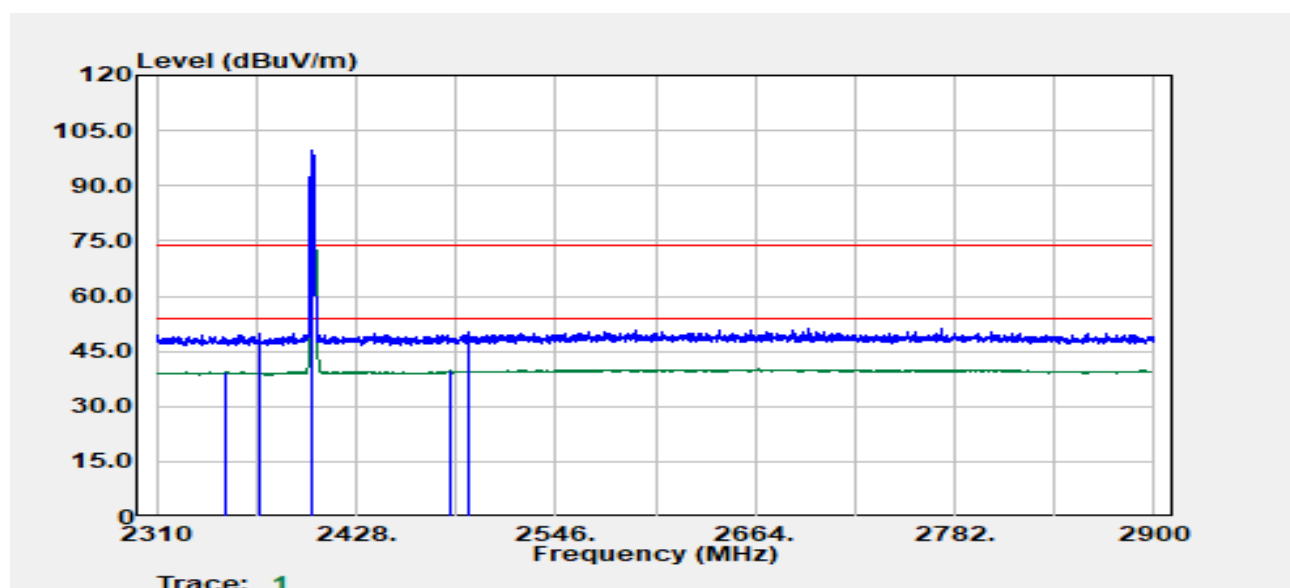
Above 1 GHz



4.3.4 Test Result

Band Edge Test Data

Project No	:TM-2403000388P	Test Date	:2024-06-03
Operation Band	:BT BR	Temp./Humi.	:24.4/59
Frequency	:2402 MHz	Antenna Pol.	:Vertical
Operation Mode	:Bandedge	Engineer	:Tony Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



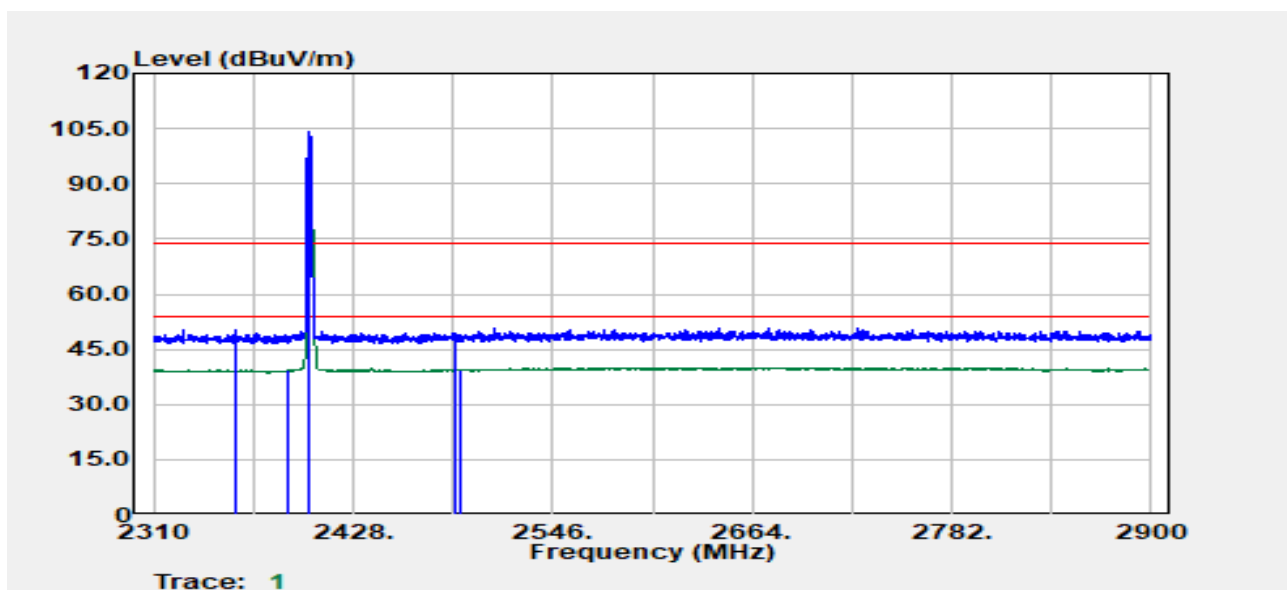
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2350.70	Average	33.13	6.24	39.37	54.00	-14.63
2370.92	Peak	43.49	6.15	49.64	74.00	-24.36
2402.00	Peak	93.25	6.29	99.54	--	--
2402.00	Average	93.12	6.29	99.41	--	--
2483.53	Average	32.99	6.71	39.71	54.00	-14.29
2494.77	Peak	43.53	6.82	50.35	74.00	-23.65

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 27 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2402 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



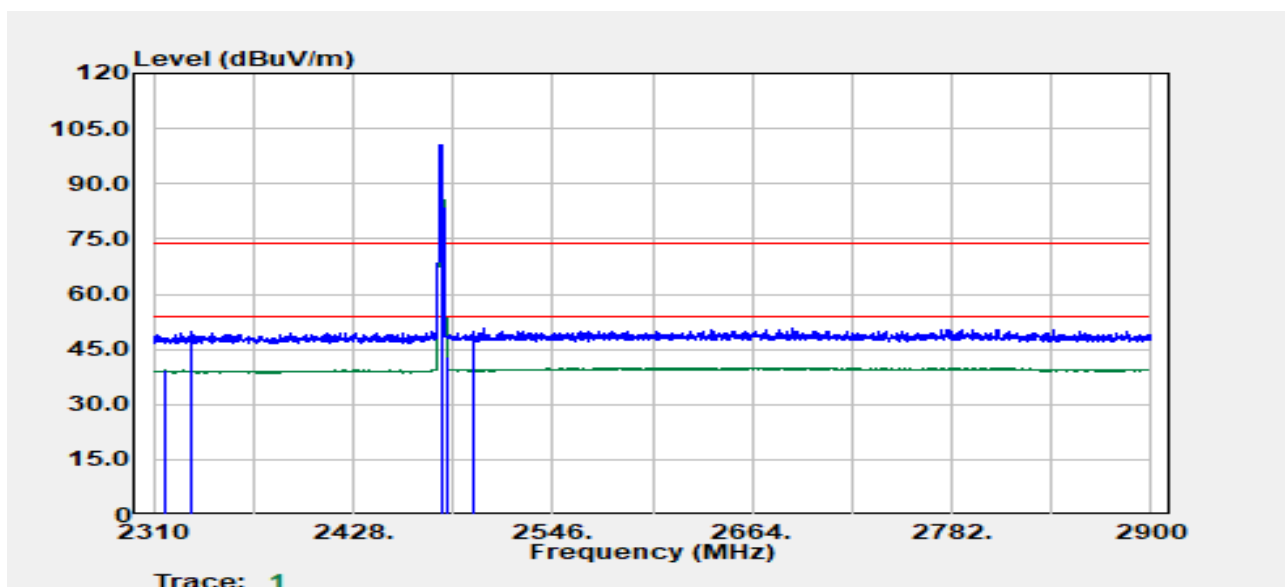
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2358.44	Peak	43.92	6.25	50.17	74.00	-23.83
2389.90	Average	33.07	6.28	39.35	54.00	-14.65
2402.00	Peak	97.86	6.29	104.15	--	--
2402.00	Average	97.69	6.29	103.98	--	--
2489.02	Peak	42.69	6.79	49.48	74.00	-24.52
2491.27	Average	32.73	6.81	39.54	54.00	-14.46

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 28 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2480 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



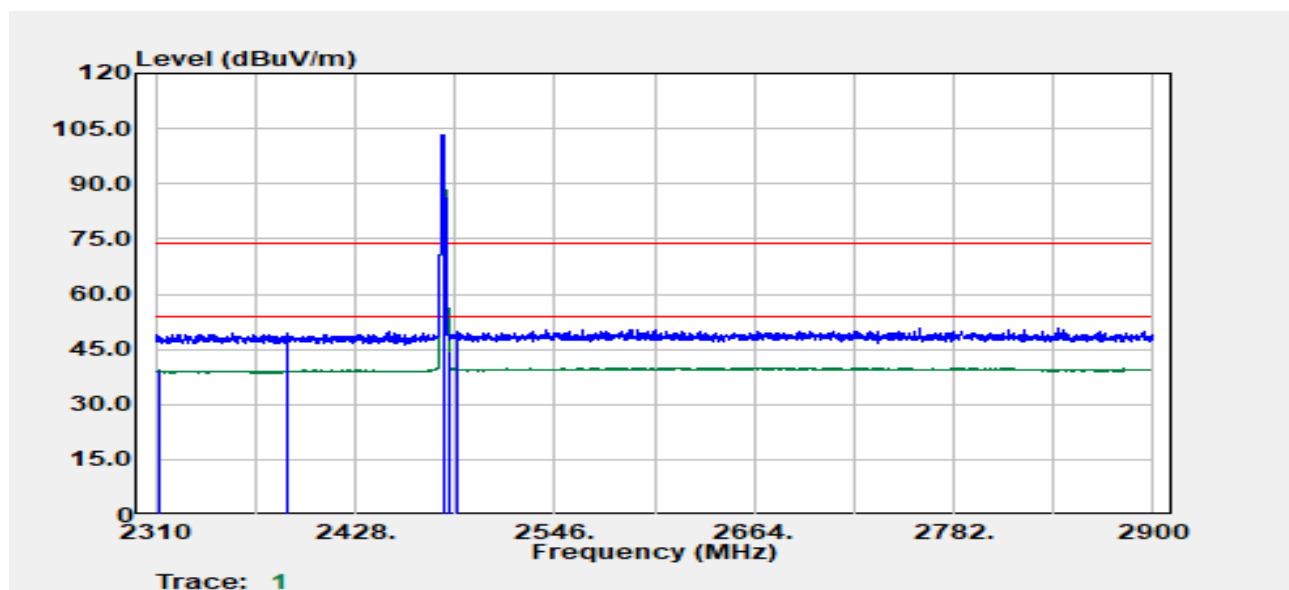
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2315.99	Average	33.09	6.14	39.24	54.00	-14.76
2332.72	Peak	43.79	6.16	49.96	74.00	-24.04
2480.00	Peak	93.97	6.67	100.64	--	--
2480.00	Average	93.66	6.67	100.33	--	--
2483.53	Average	36.20	6.71	42.91	54.00	-11.09
2499.51	Peak	42.81	6.84	49.65	74.00	-24.35

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 29 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2480 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



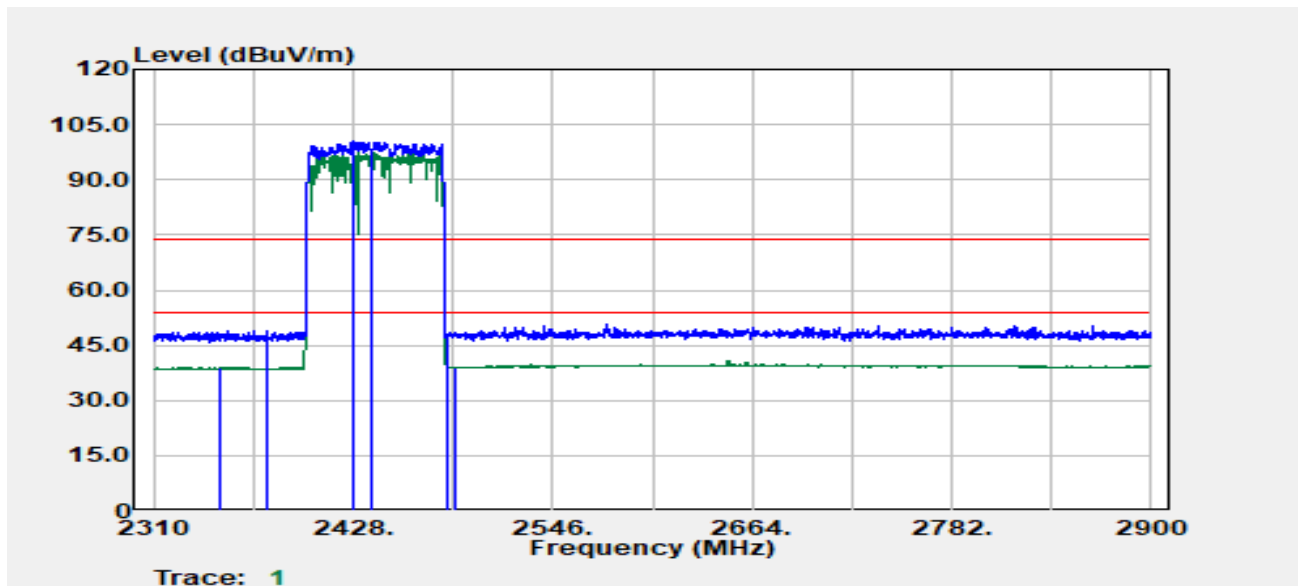
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2312.25	Average	33.11	6.13	39.25	54.00	-14.75
2387.90	Peak	43.29	6.24	49.53	74.00	-24.47
2480.00	Peak	96.58	6.67	103.25	--	--
2480.00	Average	96.44	6.67	103.10	--	--
2483.53	Average	37.68	6.71	44.40	54.00	-9.60
2487.77	Peak	42.86	6.77	49.64	74.00	-24.36

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 30 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2402~2480 MHz
Operation Mode :Hopping
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



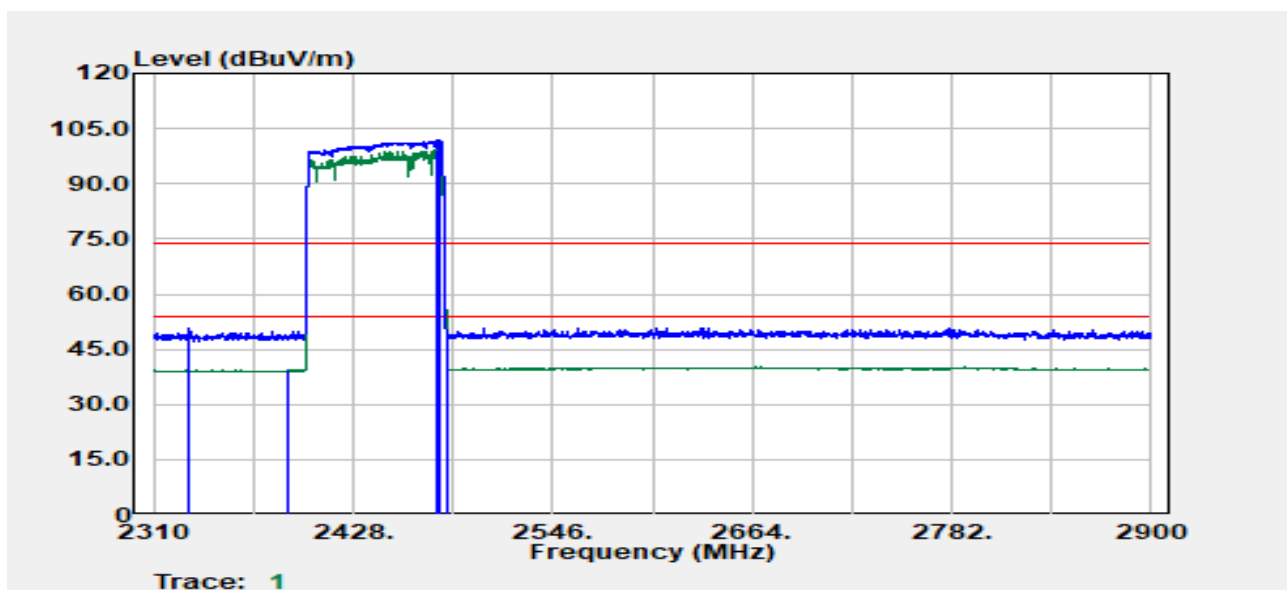
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2348.70	Average	32.77	6.22	38.99	54.00	-15.01
2376.92	Peak	42.66	6.10	48.76	74.00	-25.24
2427.35	Peak	93.90	6.40	100.30	--	--
2438.09	Average	91.10	6.36	97.45	--	--
2483.50	Peak	41.96	6.71	48.68	74.00	-25.32
2487.77	Average	32.38	6.77	39.15	54.00	-14.85

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 31 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2402~2480 MHz
Operation Mode :Hopping
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

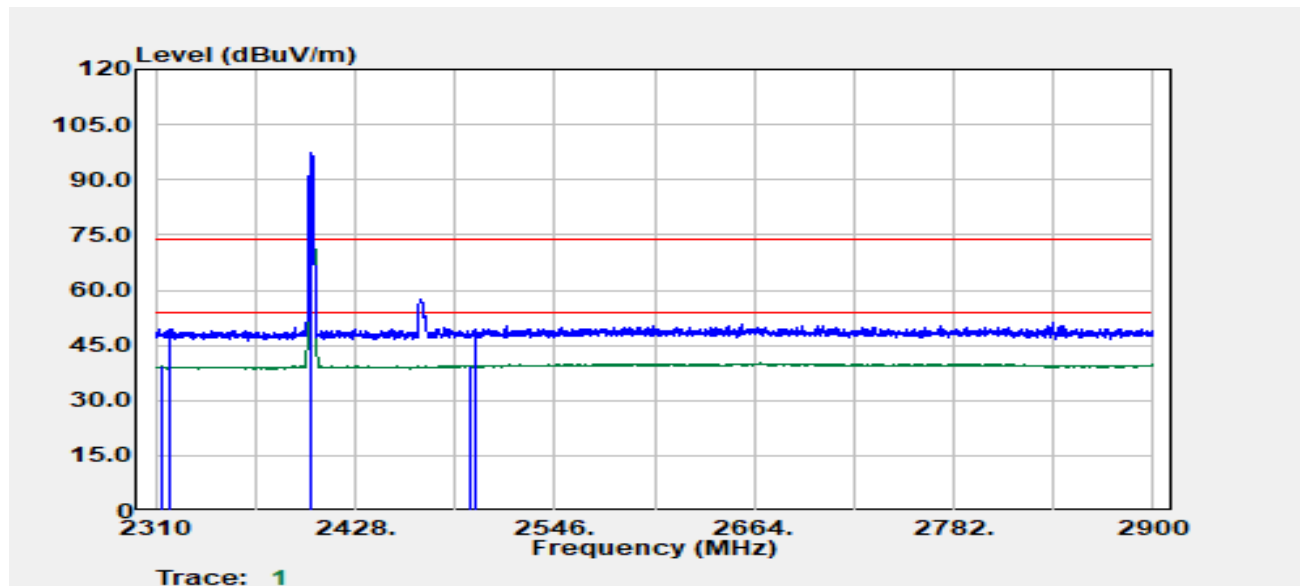


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2331.22	Peak	44.46	6.18	50.64	74.00	-23.36
2389.90	Average	32.96	6.28	39.23	54.00	-14.77
2477.04	Average	92.60	6.60	99.19	--	--
2478.29	Peak	95.12	6.63	101.75	--	--
2483.50	Peak	43.03	6.71	49.75	74.00	-24.25
2483.53	Average	37.21	6.71	43.93	54.00	-10.07

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 32 / 51
Rev.: 01

Project No	:TM-2403000388P	Test Date	:2024-06-03
Operation Band	:BT EDR	Temp./Humi.	:24.4/59
Frequency	:2402 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



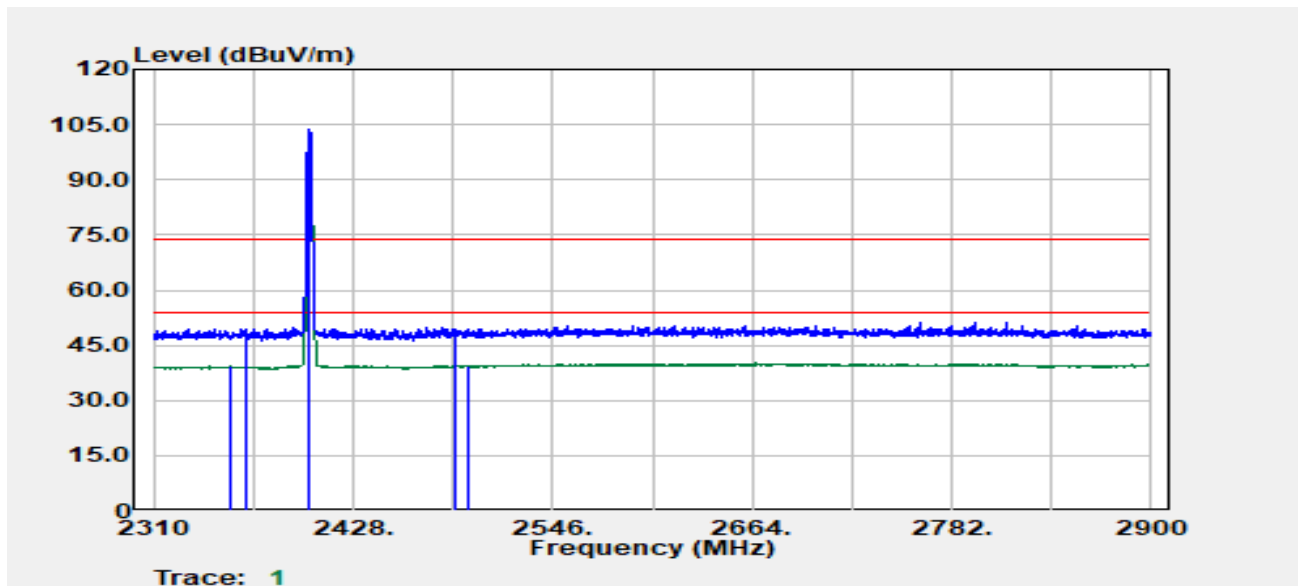
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2314.25	Average	33.08	6.14	39.22	54.00	-14.78
2318.24	Peak	43.30	6.15	49.45	74.00	-24.55
2402.00	Peak	91.04	6.29	97.33	--	--
2402.00	Average	88.71	6.29	95.00	--	--
2495.51	Average	32.60	6.82	39.43	54.00	-14.57
2498.51	Peak	42.54	6.83	49.38	74.00	-24.62

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 33 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT EDR
Frequency :2402 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

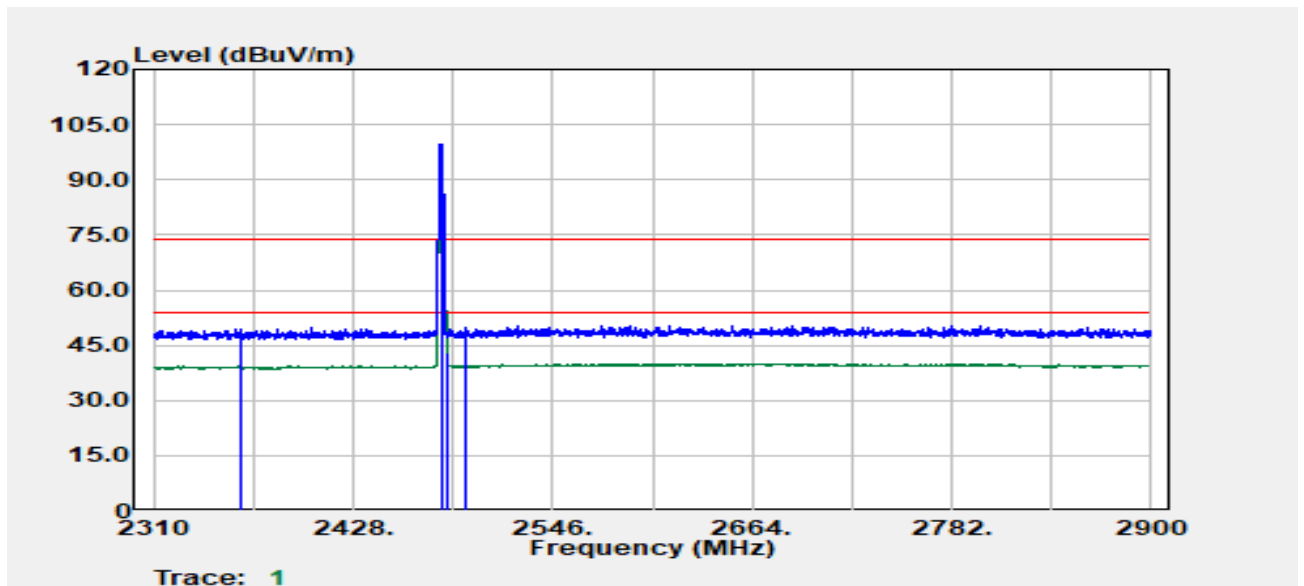


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2355.44	Average	33.01	6.25	39.25	54.00	-14.75
2365.18	Peak	43.36	6.20	49.57	74.00	-24.43
2402.00	Peak	97.44	6.29	103.74	--	--
2402.00	Average	95.07	6.29	101.36	--	--
2488.27	Peak	42.74	6.78	49.52	74.00	-24.48
2496.01	Average	32.64	6.83	39.47	54.00	-14.53

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 34 / 51
Rev.: 01

Project No	:TM-2403000388P	Test Date	:2024-06-03
Operation Band	:BT EDR	Temp./Humi.	:24.4/59
Frequency	:2480 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



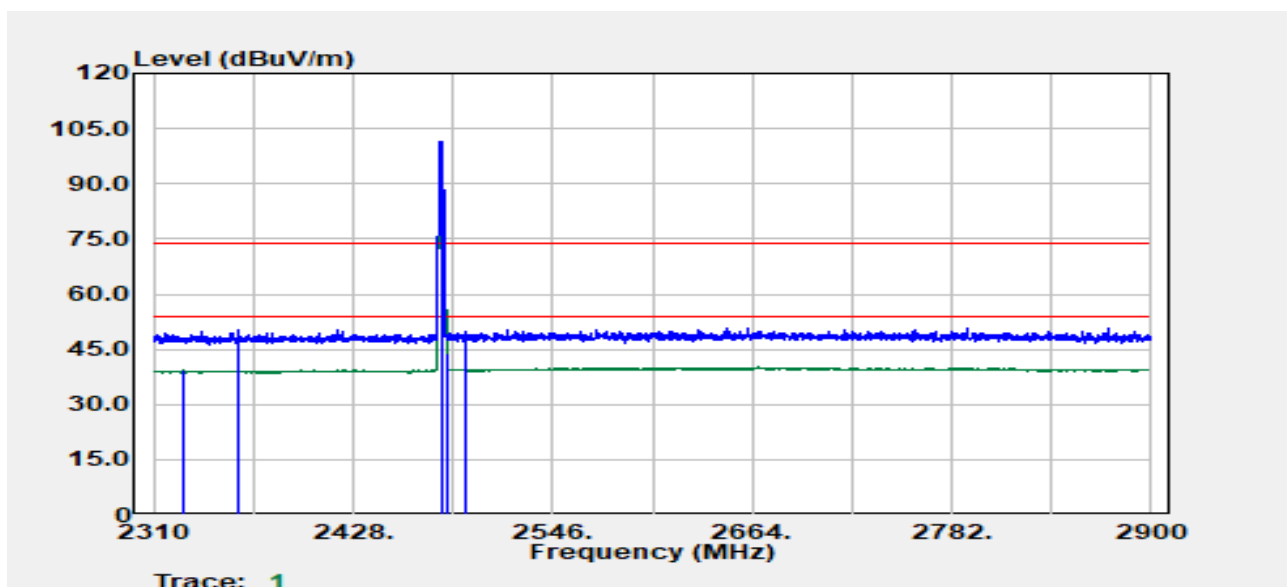
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2361.68	Average	33.00	6.23	39.23	54.00	-14.77
2361.93	Peak	43.11	6.23	49.34	74.00	-24.66
2480.00	Peak	93.12	6.67	99.79	--	--
2480.00	Average	90.67	6.67	97.34	--	--
2483.53	Average	36.36	6.71	43.07	54.00	-10.93
2494.52	Peak	43.07	6.82	49.89	74.00	-24.11

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 35 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT EDR
Frequency :2480 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



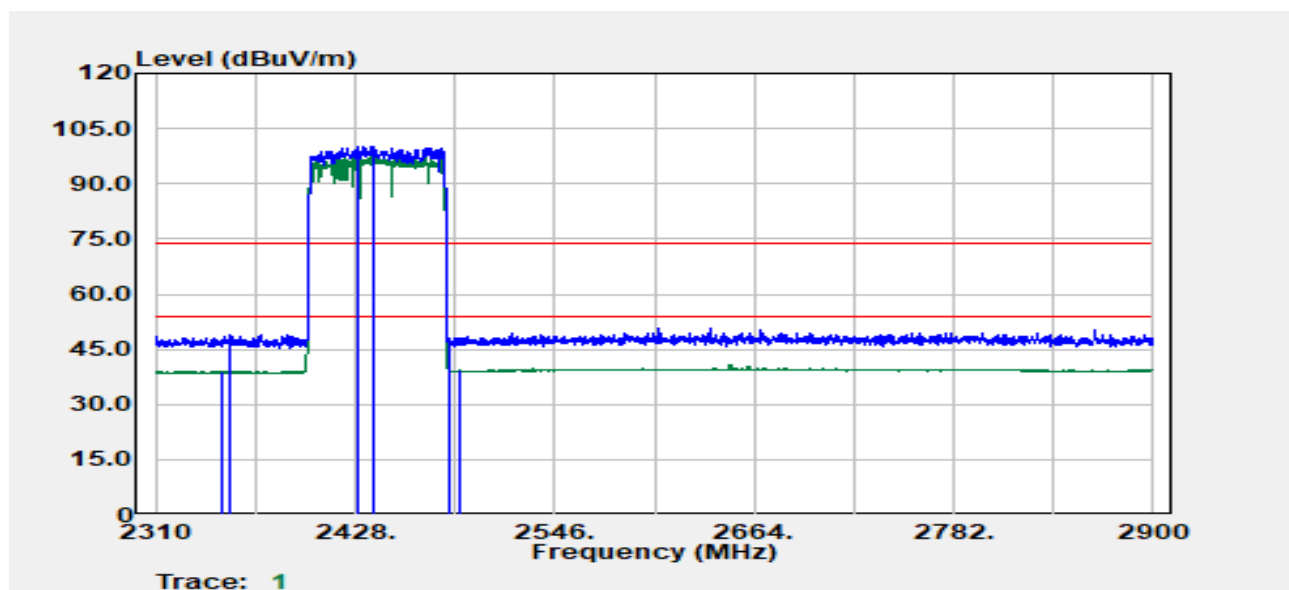
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2327.23	Average	33.00	6.18	39.17	54.00	-14.83
2360.69	Peak	43.88	6.24	50.13	74.00	-23.87
2480.00	Peak	94.85	6.67	101.52	--	--
2480.00	Average	92.60	6.67	99.26	--	--
2483.53	Average	37.36	6.71	44.08	54.00	-9.92
2494.77	Peak	42.93	6.82	49.75	74.00	-24.25

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 36 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT EDR
Frequency :2402~2480 MHz
Operation Mode :Hopping
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



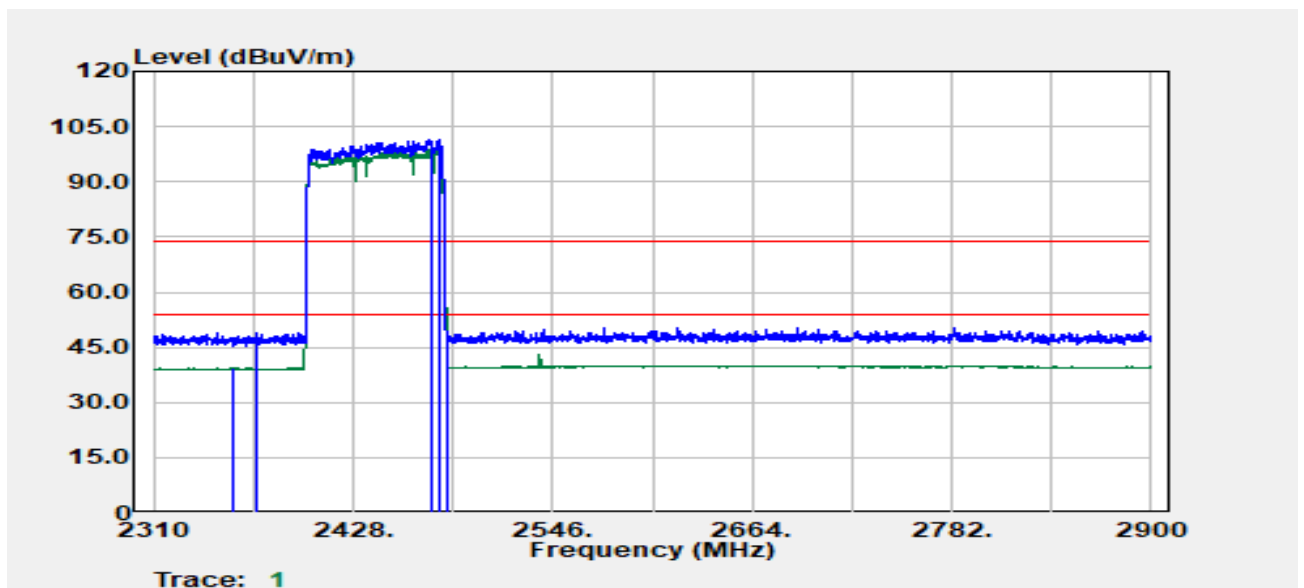
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2348.70	Average	32.77	6.22	38.99	54.00	-15.01
2353.69	Peak	42.84	6.24	49.09	74.00	-24.91
2429.10	Peak	93.81	6.42	100.23	--	--
2438.09	Average	91.10	6.36	97.45	--	--
2483.50	Peak	41.66	6.71	48.38	74.00	-25.62
2489.27	Average	32.42	6.79	39.21	54.00	-14.79

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 37 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT EDR
Frequency :2402~2480 MHz
Operation Mode :Hopping
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



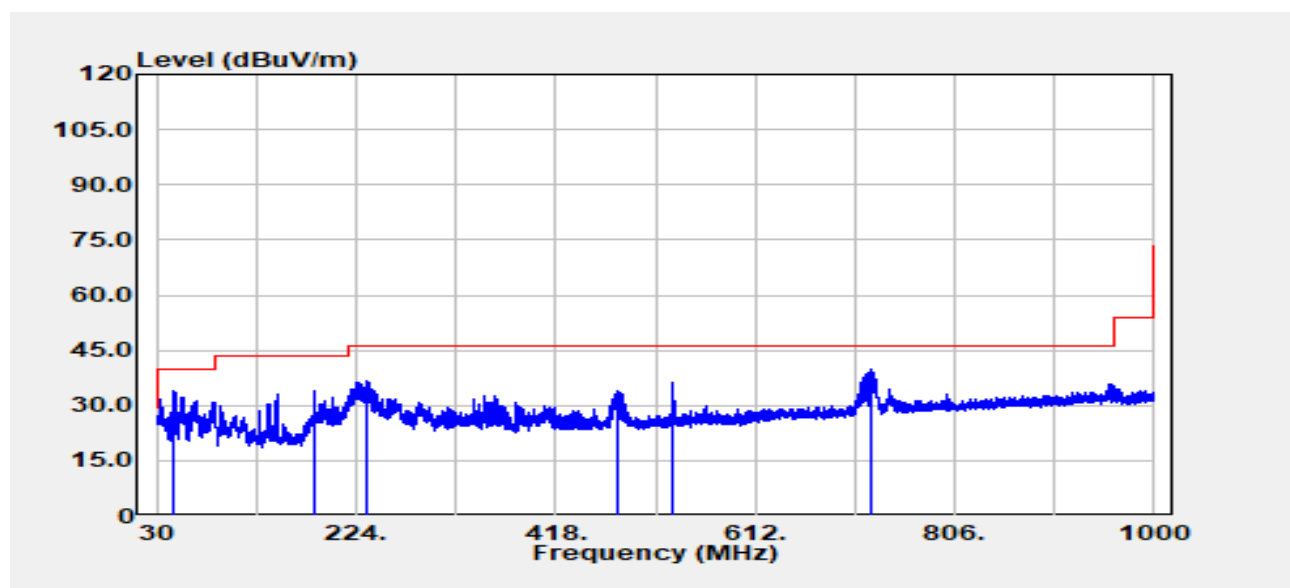
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2356.44	Average	32.97	6.25	39.22	54.00	-14.78
2370.17	Peak	42.75	6.16	48.90	74.00	-25.10
2473.79	Average	92.32	6.52	98.84	--	--
2478.29	Peak	94.61	6.63	101.23	--	--
2483.50	Peak	41.88	6.71	48.59	74.00	-25.41
2483.53	Average	37.19	6.71	43.91	54.00	-10.09

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 38 / 51
Rev.: 01

TX Test Data

Project No	:TM-2403000388P	Test Date	:2024-06-07
Operation Band	:BT BR	Temp./Humi.	:23.9/62
Frequency	:2480 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Czerny Lin
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



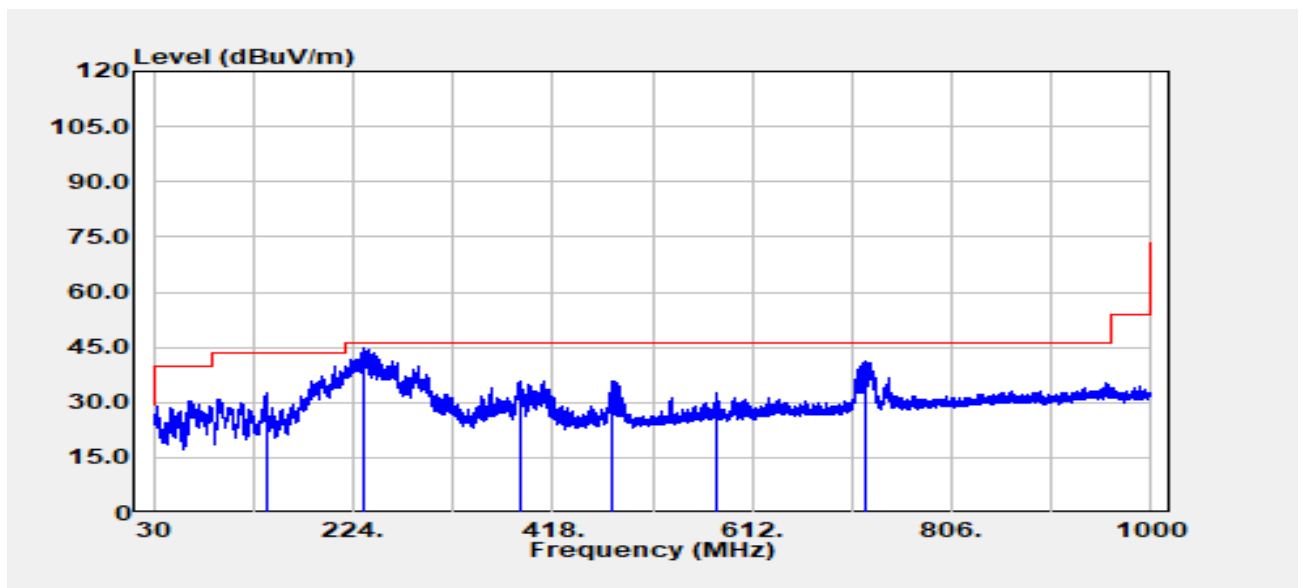
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
47.22	Peak	48.24	-14.31	33.92	40.00	-6.08
184.35	Peak	45.27	-11.50	33.77	43.50	-9.73
233.82	Peak	47.63	-10.98	36.65	46.00	-9.35
477.90	Peak	37.60	-3.52	34.08	46.00	-11.92
531.85	Peak	39.31	-2.96	36.35	46.00	-9.65
724.16	Peak	39.29	0.37	39.66	46.00	-6.34

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 39 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :

Test Date :2024-06-07
Temp./Humi. :23.9/62
Antenna Pol. :HORIZONTAL
Engineer :Czerny Lin
Test Chamber : 966A



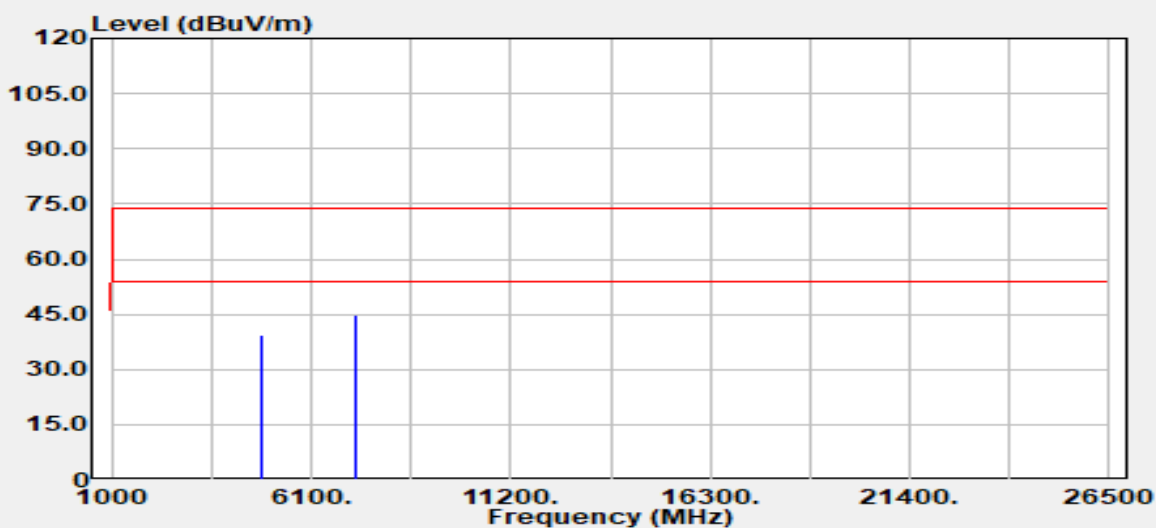
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
139.25	Peak	42.15	-9.71	32.43	43.50	-11.07
234.31	Peak	55.87	-10.94	44.92	46.00	-1.08
385.87	Peak	42.38	-6.41	35.97	46.00	-10.03
476.44	Peak	39.27	-3.59	35.68	46.00	-10.32
576.72	Peak	34.57	-2.13	32.45	46.00	-13.55
722.10	Peak	41.00	0.36	41.36	46.00	-4.64

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 40 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2402 MHz
Operation Mode :TX
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



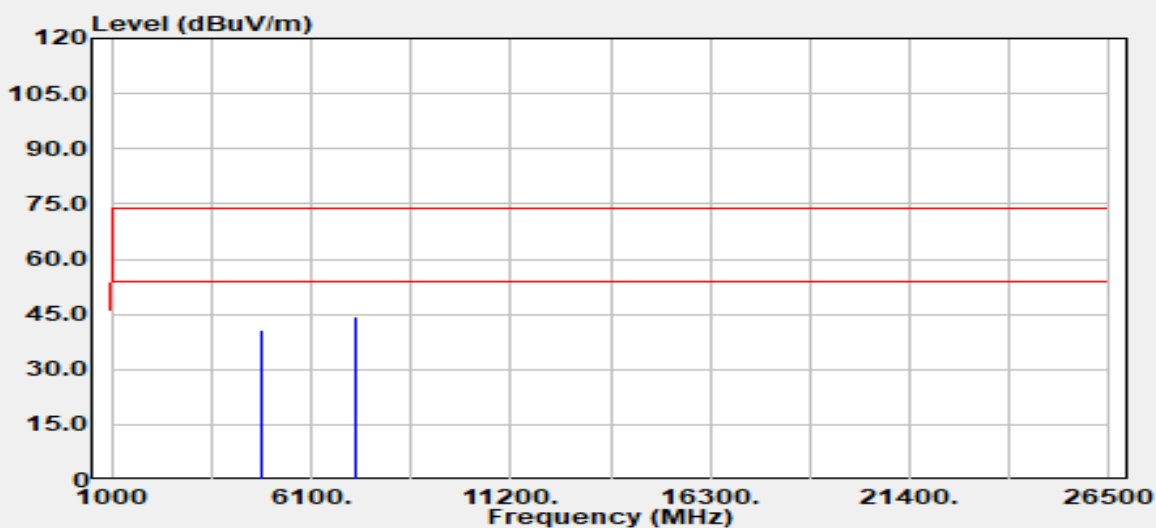
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	37.30	2.23	39.52	74.00	-34.48
4804.00	Average	31.68	2.23	33.90	54.00	-20.10
7206.00	Peak	35.73	9.01	44.74	74.00	-29.26
7206.00	Average	26.13	9.01	35.14	54.00	-18.86

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 41 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2402 MHz
Operation Mode :TX
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



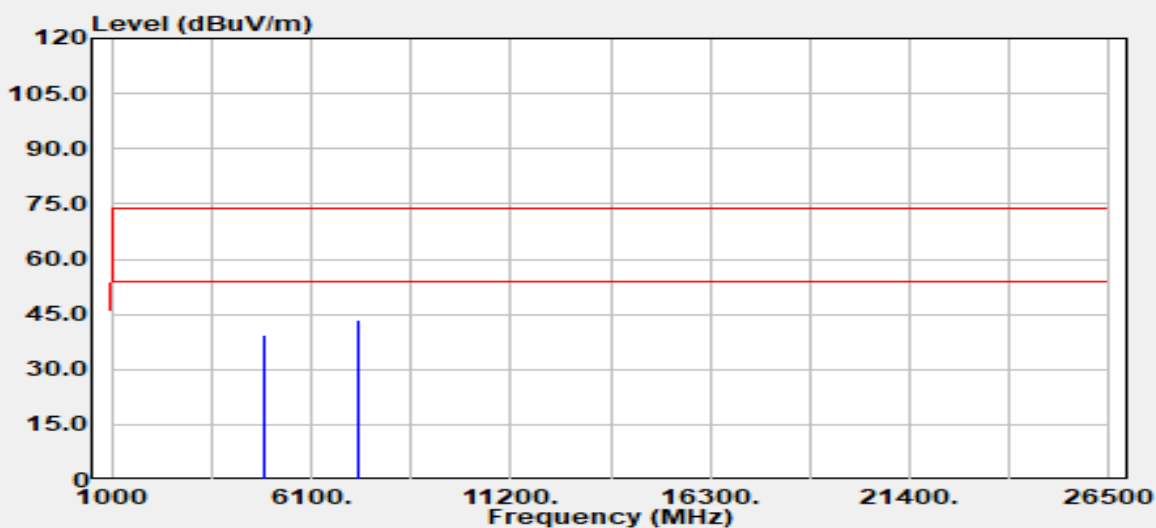
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	38.75	2.23	40.98	74.00	-33.02
4804.00	Average	34.12	2.23	36.34	54.00	-17.66
7206.00	Peak	35.15	9.01	44.16	74.00	-29.84
7206.00	Average	26.19	9.01	35.20	54.00	-18.80

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 42 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2441 MHz
Operation Mode :TX
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



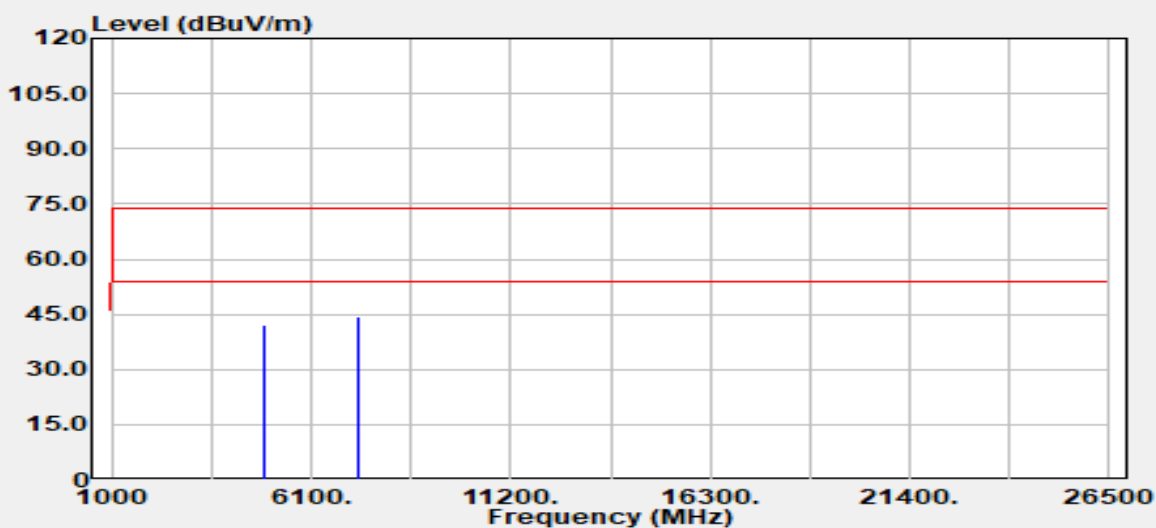
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4882.00	Peak	37.05	2.56	39.61	74.00	-34.39
4882.00	Average	29.42	2.56	31.99	54.00	-22.01
7323.00	Peak	34.48	8.96	43.43	74.00	-30.57
7323.00	Average	26.27	8.96	35.23	54.00	-18.77

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 43 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2441 MHz
Operation Mode :TX
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



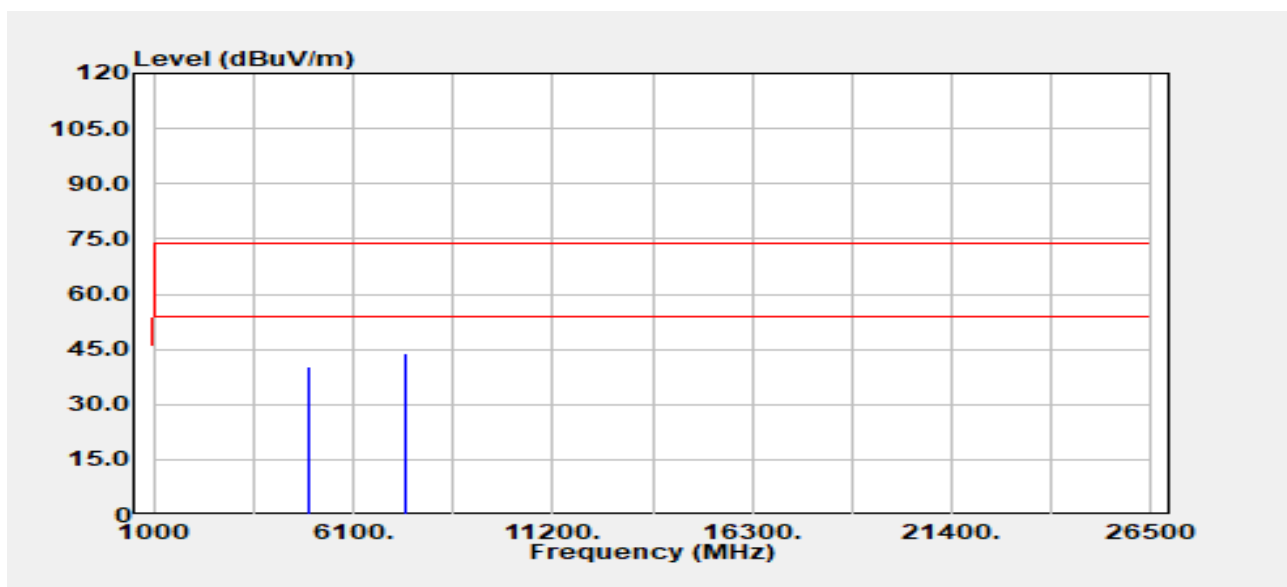
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4882.00	Peak	39.62	2.56	42.18	74.00	-31.82
4882.00	Average	30.46	2.56	33.03	54.00	-20.97
7323.00	Peak	35.33	8.96	44.29	74.00	-29.71
7323.00	Average	26.18	8.96	35.13	54.00	-18.87

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 44 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



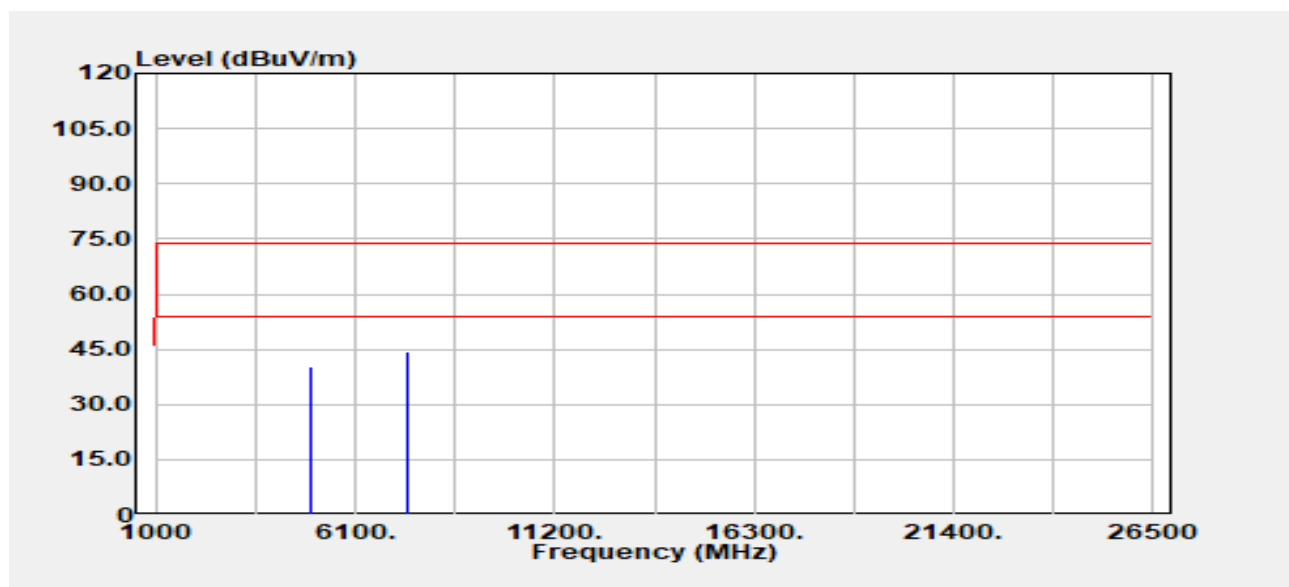
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	36.91	3.21	40.13	74.00	-33.87
4960.00	Average	29.56	3.21	32.77	54.00	-21.23
7440.00	Peak	34.98	8.92	43.90	74.00	-30.10
7440.00	Average	26.02	8.92	34.94	54.00	-19.06

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 45 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT BR
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

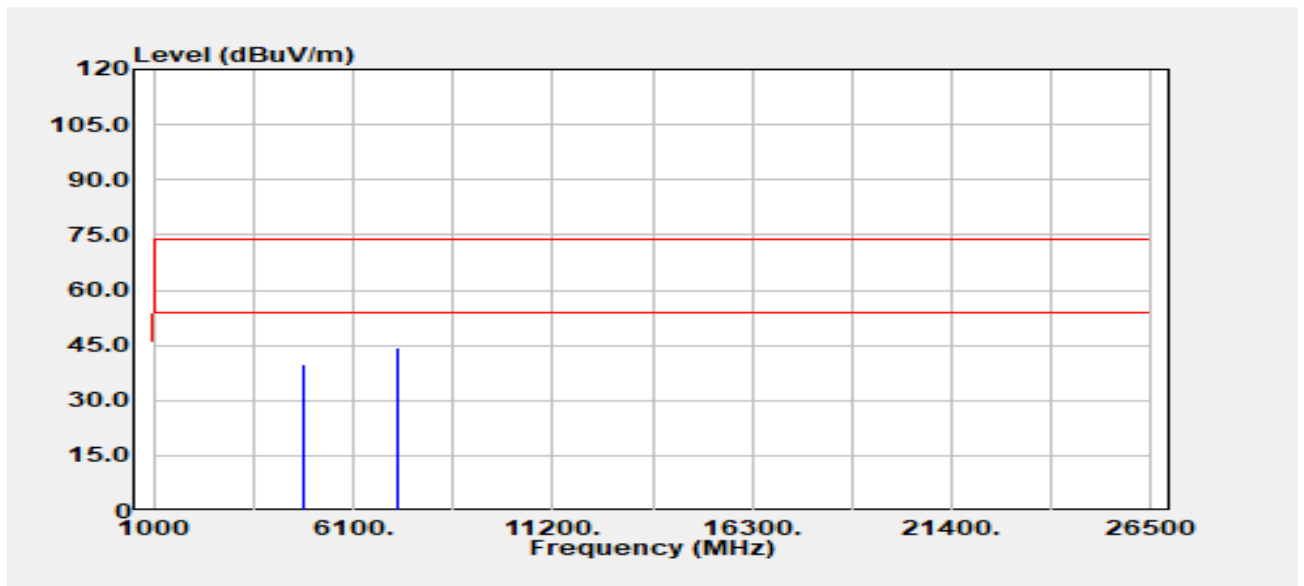


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	37.02	3.21	40.23	74.00	-33.77
4960.00	Average	29.88	3.21	33.10	54.00	-20.90
7440.00	Peak	35.53	8.92	44.45	74.00	-29.55
7440.00	Average	26.11	8.92	35.03	54.00	-18.97

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 46 / 51
Rev.: 01

Project No	:TM-2403000388P	Test Date	:2024-06-03
Operation Band	:BT EDR	Temp./Humi.	:24.4/59
Frequency	:2402 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



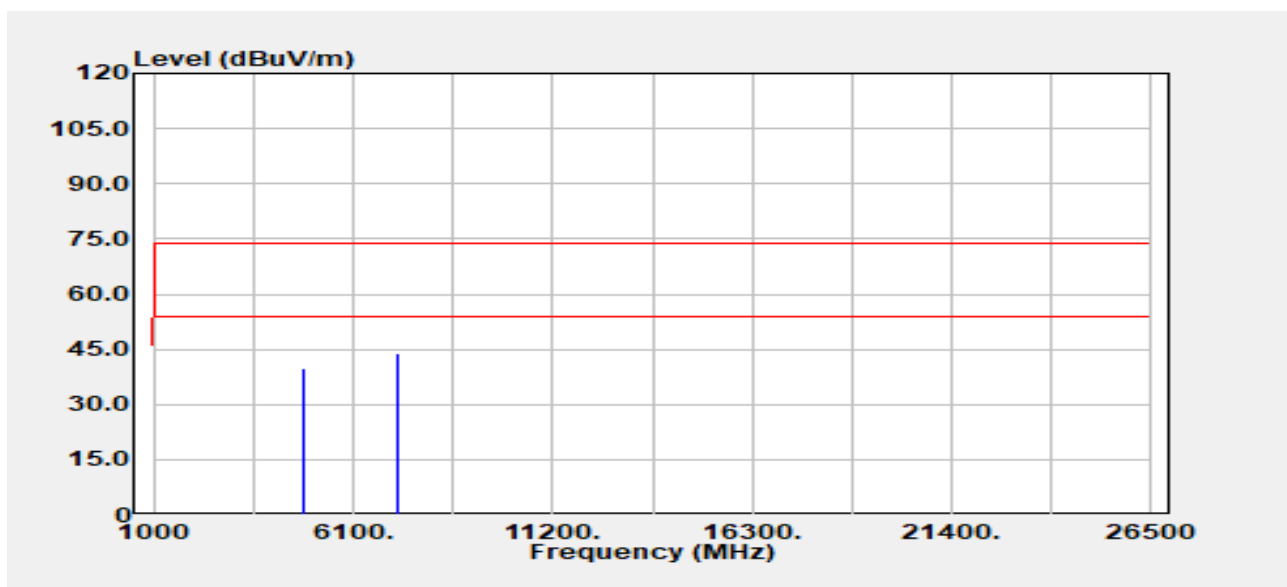
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	37.60	2.23	39.82	74.00	-34.18
4804.00	Average	29.57	2.23	31.79	54.00	-22.21
7206.00	Peak	35.19	9.01	44.20	74.00	-29.80
7206.00	Average	26.21	9.01	35.22	54.00	-18.78

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 47 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT EDR
Frequency :2402 MHz
Operation Mode :TX
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



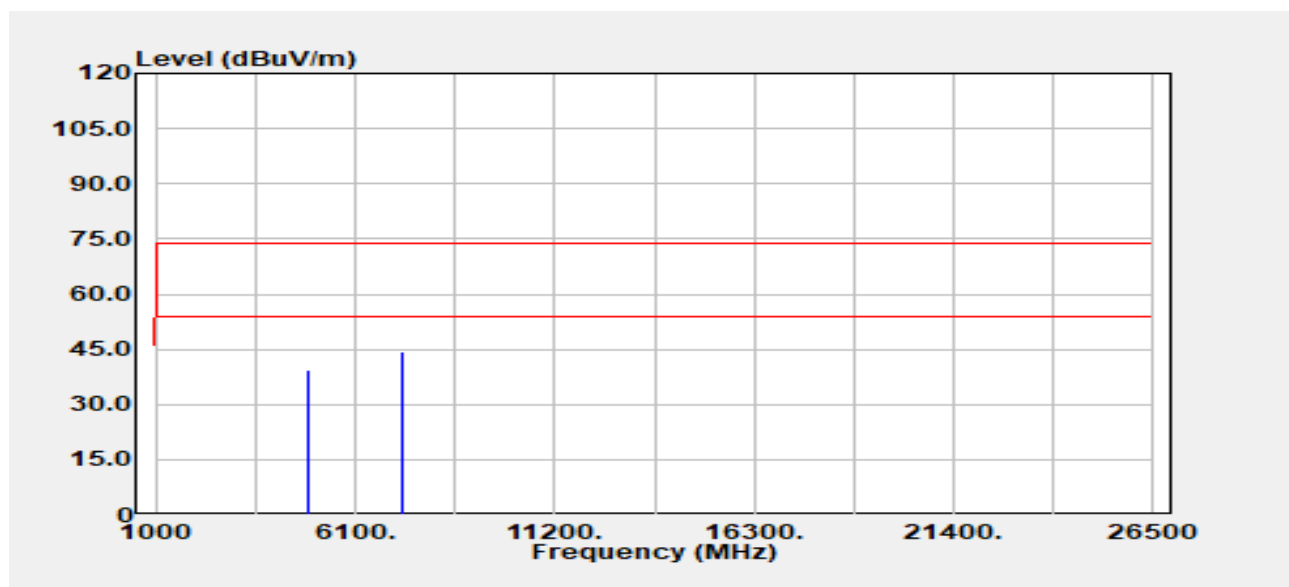
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4804.00	Peak	37.75	2.23	39.98	74.00	-34.02
4804.00	Average	32.15	2.23	34.37	54.00	-19.63
7206.00	Peak	34.85	9.01	43.86	74.00	-30.14
7206.00	Average	26.44	9.01	35.45	54.00	-18.55

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 48 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT EDR
Frequency :2441 MHz
Operation Mode :TX
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



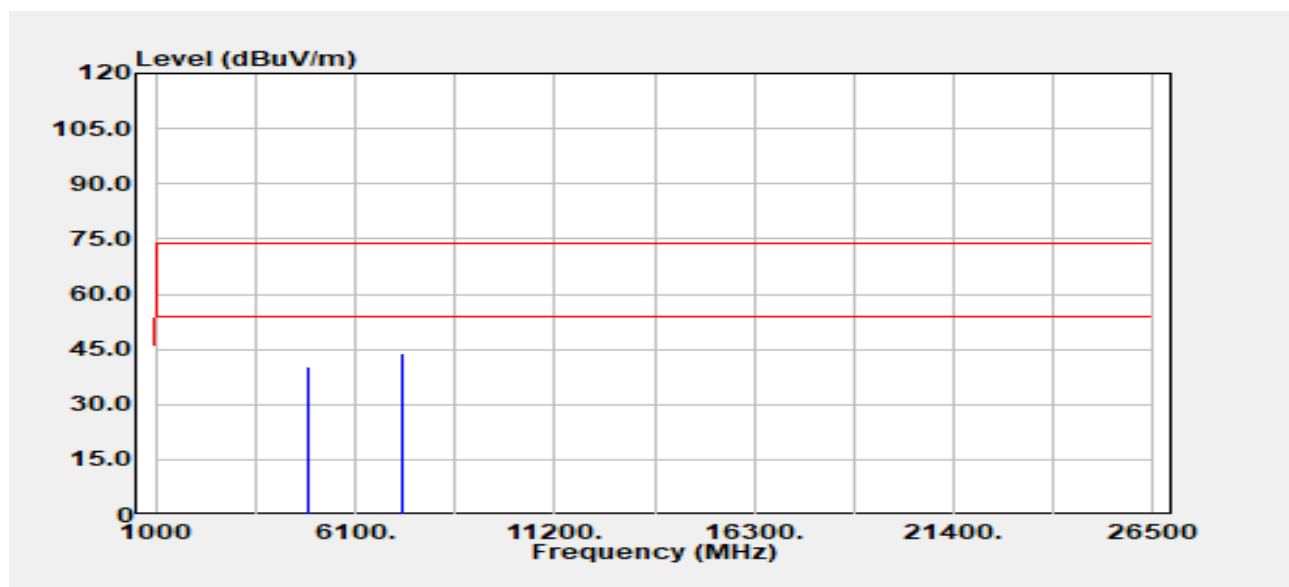
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4882.00	Peak	36.89	2.56	39.46	74.00	-34.54
4882.00	Average	27.51	2.56	30.08	54.00	-23.92
7323.00	Peak	35.44	8.96	44.40	74.00	-29.60
7323.00	Average	26.16	8.96	35.12	54.00	-18.88

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 49 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT EDR
Frequency :2441 MHz
Operation Mode :TX
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

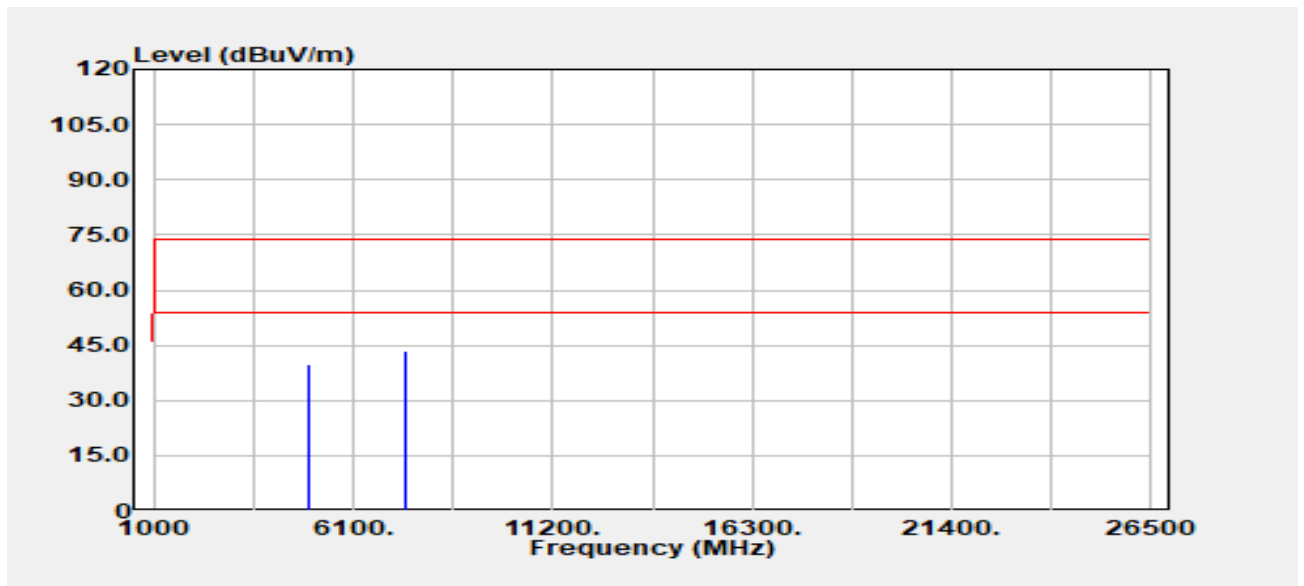


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4882.00	Peak	37.61	2.56	40.17	74.00	-33.83
4882.00	Average	28.75	2.56	31.32	54.00	-22.68
7323.00	Peak	35.14	8.96	44.10	74.00	-29.90
7323.00	Average	26.26	8.96	35.22	54.00	-18.78

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 50 / 51
Rev.: 01

Project No	:TM-2403000388P	Test Date	:2024-06-03
Operation Band	:BT EDR	Temp./Humi.	:24.4/59
Frequency	:2480 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



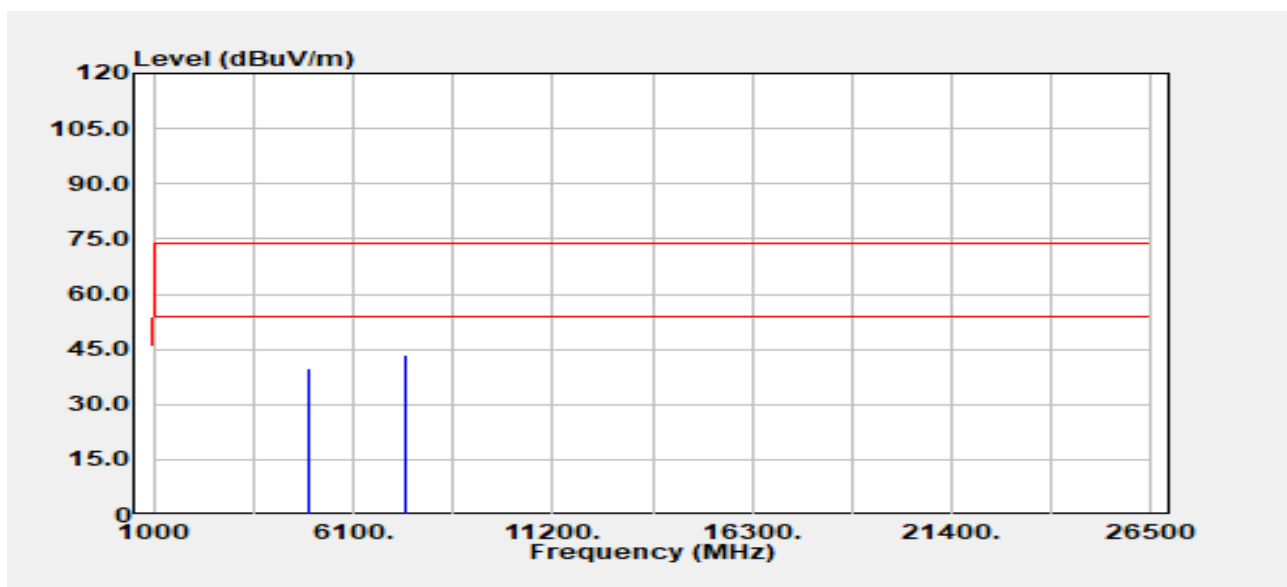
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	36.47	3.21	39.69	74.00	-34.31
4960.00	Average	27.48	3.21	30.69	54.00	-23.31
7440.00	Peak	34.68	8.92	43.60	74.00	-30.40
7440.00	Average	26.01	8.92	34.93	54.00	-19.07

Project No: TM-2403000388P
Report No.: TMWK2406001983KR

Page: 51 / 51
Rev.: 01

Project No :TM-2403000388P
Operation Band :BT EDR
Frequency :2480 MHz
Operation Mode :TX
EUT Pol :E2
Setting :

Test Date :2024-06-03
Temp./Humi. :24.4/59
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4960.00	Peak	36.84	3.21	40.05	74.00	-33.95
4960.00	Average	28.25	3.21	31.47	54.00	-22.53
7440.00	Peak	34.62	8.92	43.54	74.00	-30.46
7440.00	Average	26.02	8.92	34.94	54.00	-19.06

- End of Test Report -