

Project No: TM-2405000413P
Report No.: TMWK2406002104KR

FCC ID: P4Q-SC680A
IC: 2420C-SC680A

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Rev. 00

RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART E (CLASS II PERMISSIVE CHANGE) INDUSTRY CANADA RSS-247 (CLASS IV PERMISSIVE CHANGE)

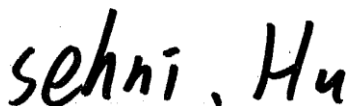
Test Standard	FCC Part 15.407 IC RSS-247 issue 3 and IC RSS-GEN issue 5
Product name	Smart Module
Brand Name	Mio / MAGELLAN / NAVMAN / MiTAC
Model No.	SC680A-NA
Test Result	Pass
Statements of Conformity	Determination of compliance is based on the results of the compliance measurement, not taking into 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。

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	September 16, 2024	Initial Issue	ALL	Peggy Tsai

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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	Mitac Digital Technology Corporation 4F., No. 1, R&D Road 2, Hsinchu Science Park, Hsinchu 30076 Taiwan
Manufacturer	Mitac Digital Technology Corporation 4F., No. 1, R&D Road 2, Hsinchu Science Park, Hsinchu 30076 Taiwan
Equipment	Smart Module
Brand Name	Mio / MAGELLAN / NAVMAN / MITAC
Model Name	SC680A-NA
Model Discrepancy	Difference of the those brand names (list on this report) are just for marketing purpose only.
Host Equipment	Tablet
Host model	N727
HMN	PRO X
Received Date	May 29, 2024
Date of Test	June 20 ~ July 10, 2024
Power Supply	1. Power from Adapter. LUCENT TRANS / 1A52-PD20W I/P: 100-240Vac, 800mA, 50-60Hz O/P: 5Vdc, 3A or 9Vdc, 2.22A 2. Power from Adapter. TTT / MSS050200BI I/P: 100-240Vac, 0.3A, 50-60Hz O/P: 5.0Vdc, 2A(10.0W) 3. Power from Car Charger. TTT/ TCV10100 I/P: DC 12-24V O/P: DC 5V, 2A (MAX) 4. Power from Cradle. Webfleet solutions / N653 Video Cradle I/P (1): DC 12V, 1A or DC 24V, 0.5A (Fleet Port) I/P (2): DC 5V, 2A (USB-C) 5. Power from Battery. Apower Electronics Co., Ltd. / AEC565786B Rating: 3.8Vdc, 4000mAh, 15.2Wh 6. Power from Host System.(DC 5V)

PMN	SC680A-NA
EUT Serial #	HO145U00012
Class II Permissive Change	The product has been granted by FCC dated 03/25/2024 under FCC ID: P4Q-SC680A. The intention of this application is to enable the modular certified FCC ID:P4Q-SC680A to be integrated in MiTAC Tablet N727. The module installed into host platform mentioned above is electronically and mechanically identical to the original certified module. Software security remains unchanged from the original application.
Class IV Permissive Change	The product has been granted by IC dated 03/26/2024 under IC : 2420C-SC680A. The intention of this application is to enable the modular certified IC: 2420C-SC680A to be integrated in MiTAC Tablet N727. The module installed into host platform mentioned above is electronically and mechanically identical to the original certified module. Software security remains unchanged from the original application.

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 trademarks is provided by the applicant, test results of this report are applicable to the sample EUT received of main test model name.

1.2 EUT CHANNEL INFORMATION

Frequency Range	UNII-1	
	IEEE 802.11a	5180 ~ 5240 MHz
	IEEE 802.11n HT20	5180 ~ 5240 MHz
	IEEE 802.11ac VHT20	5180 ~ 5240 MHz
	IEEE 802.11n HT40	5190 ~ 5230 MHz
	IEEE 802.11ac VHT40	5190 ~ 5230 MHz
	IEEE 802.11ac VHT80	5210 MHz
	UNII-2a	
	IEEE 802.11a	5260 ~ 5320 MHz
	IEEE 802.11n HT20	5260 ~ 5320 MHz
	IEEE 802.11ac VHT20	5260 ~ 5320 MHz
	IEEE 802.11n HT40	5270 ~ 5310 MHz
	IEEE 802.11ac VHT40	5270 ~ 5310 MHz
	IEEE 802.11ac VHT80	5290 MHz
	UNII-2c	
	IEEE 802.11a	5500 ~ 5720 MHz
	IEEE 802.11n HT20	5500 ~ 5720 MHz
	IEEE 802.11ac VHT20	5500 ~ 5720 MHz
	IEEE 802.11n HT40	5510 ~ 5710 MHz
	IEEE 802.11ac VHT40	5510 ~ 5710 MHz
	IEEE 802.11ac VHT80	5530 ~ 5690 MHz
	UNII-3	
	IEEE 802.11a	5745 ~ 5825 MHz
	IEEE 802.11n HT20	5745 ~ 5825 MHz
	IEEE 802.11ac VHT20	5745 ~ 5825 MHz
	IEEE 802.11n HT40	5755 ~ 5795 MHz
	IEEE 802.11ac VHT40	5755 ~ 5795 MHz
	IEEE 802.11ac VHT80	5775 MHz
Modulation Type	1. IEEE 802.11a mode: OFDM 2. IEEE 802.11n HT 20 MHz mode: OFDM 3. IEEE 802.11n HT 40 MHz mode: OFDM 4. IEEE 802.11ac VHT 20 MHz mode: OFDM 5. IEEE 802.11ac VHT 40 MHz mode: OFDM 6. IEEE 802.11ac VHT 80 MHz mode: OFDM	

Remark:

1. Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 for test channels
2. For Canada the EUT Frequency Range 5600~5650MHz will be disabled.

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

1.3 ANTENNA INFORMATION

Antenna Specification	☒ PIFA ☐ PCB ☐ Dipole ☐ Coils
Antenna Specification	5150~5250 Gain: -0.74 dBi 5250~5350: Gain: -0.74 dBi 5470~5725: Gain: -0.3 dBi 5725~5850 Gain: 0.53 dBi
Brand / Model	MIO / N722 8" PAD

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	± 2.213 dB
RF output power (Spectrum)	± 2.440 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.



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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	Ben Yang	-
Radiation	Tony Chao 、 Ray Li	-
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 public Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309

1.6 INSTRUMENT CALIBRATION

Conducted FCC/NCC/IC(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
Cable	Woken	SUMITOMO	1	2024-03-02	2025-03-01
Signal Analyzer	KEYSIGHT	N9030B	MY62291089	2023-10-13	2024-10-12
Attenuator	Marvelous Microwave Inc	MVE2213-10	08	2023-11-07	2024-11-06
Software	Radio Test Software Ver. 21				

AC Mains Conduction					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI	100064	2024-06-14	2025-06-13
LISN	TESEQ	LN2-16N	22012	2024-02-29	2025-02-27
Cable	Woken	SFL402	185A	2024-07-08	2025-07-07
Software	e3 V6-110812				

Remark:

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

966A_Radiated Wi-Fi 5GHz					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Analyzer	KEYSIGHT	N9010A	MY52220817	2024-03-15	2025-03-14
Thermo-Hygro Meter	WISEWIND	1206	D07	2023-12-08	2024-12-07
Active Loop Antenna	SCHWARZBEC K	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	MICRO TRONICS	HPM13195	3	2024-01-23	2025-01-22
Horn Antenna	SCHWARZBEC K	BBHA9170	1047	2023-12-13	2024-12-12
Pre-Amplifier	EMCI	EMC184045SE	980860	2023-12-12	2024-12-11
Radio Communication Analyzer	Anritsu	MT-8820C	6201240043	2023-12-24	2024-12-23
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.

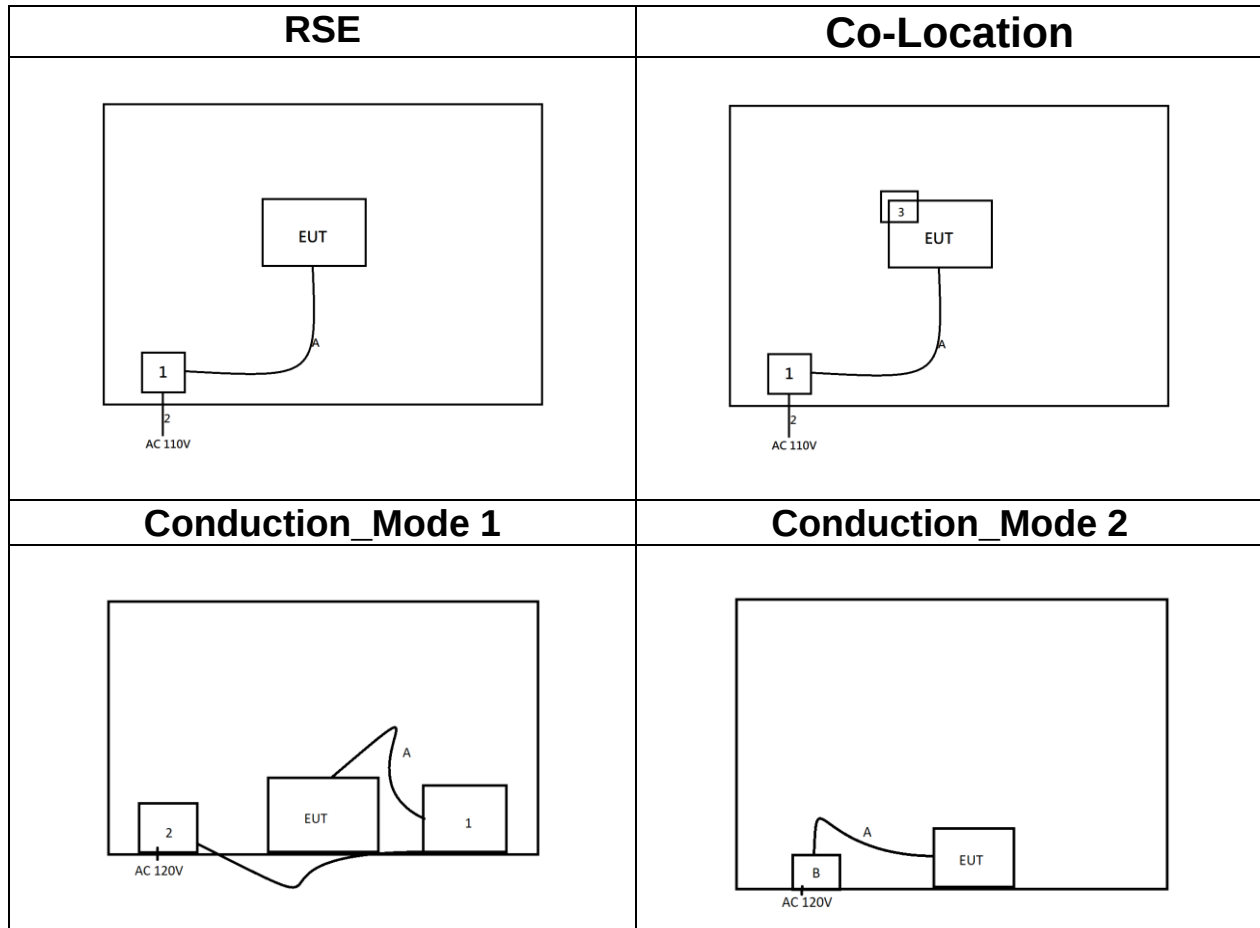
1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

EUT Accessories Equipment						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
	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	Type-C Cable	N/A	N/A	N/A	N/A	N/A
B	Adapter	TTT	MSS050200BI	N/A	N/A	N/A

Support Equipment (RSE 、Co-Location)						
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
3	Proximity card	Easycard	N/A	8380 3765 0294 5360	N/A	N/A
A	USB-A to Type-C Cable	N/A	N/A	N/A	N/A	N/A

1.8 TEST SETUP DIAGRAM



1.9 TEST PROGRAM

The EUT connection corresponds to the surrounding fixture control board.
This EUT uses "QRCT4 v4.0" software 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 C63.10:2013, FCC Part 2, FCC Part 15.407, KDB 789033 D02, KDB 905462 D02, RSS-247 Issue 3 and RSS-GEN Issue 5.

2. TEST SUMMARY

IC Standard Sec.	FCC Standard Sec.	Chapter	Test Item	Result
RSS-Gen (6.8)	15.203	1.3	Antenna Requirement	Pass
RSS-Gen (8.8)	15.207	4.1	AC Conducted Emission	Pass
RSS-247(6.2.1.1)	15.407(a)	4.2	Output Power Measurement	Pass
RSS-247(6.2.3.1) RSS-GEN Clause 8.10	15.407(b) 15.205	4.3	Radiation Band Edge	Pass
RSS-247(6.2.4.1) RSS-GEN Clause 8.10	15.407(b) 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 EUT CHANNEL NUMBER OF OPERATING CONDITION

Operation mode	1. IEEE 802.11a mode: 6Mbps 2. IEEE 802.11n HT20 mode: MCS0 3. IEEE 802.11n HT40 mode: MCS0 4. IEEE 802.11ac VHT20 mode: MCS0 5. IEEE 802.11ac VHT40 mode: MCS0 6. IEEE 802.11ac VHT80 mode: MCS0		
Operating Frequency Range & Number of Channels		Mode	Frequency Range (MHz)
	U-NII-1	IEEE 802.11a	5180, 5220, 5240
		IEEE 802.11n HT20	5180, 5220, 5240
		IEEE 802.11n HT40	5190, 5230
		IEEE 802.11ac VHT20	5180, 5220, 5240
		IEEE 802.11ac VHT40	5190, 5230
		IEEE 802.11ac VHT80	5210
	U-NII-2a	IEEE 802.11a	5260, 5300, 5320
		IEEE 802.11n HT20	5260, 5300, 5320
		IEEE 802.11n HT40	5270, 5310
		IEEE 802.11ac VHT20	5260, 5300, 5320
		IEEE 802.11ac VHT40	5270, 5310
		IEEE 802.11ac VHT80	5290
	U-NII-2c	IEEE 802.11a	5500, 5580, 5700, 5720
		IEEE 802.11n HT20	5500, 5580, 5700, 5720
		IEEE 802.11n HT40	5510, 5550, 5670, 5710
		IEEE 802.11ac VHT20	5500, 5580, 5700, 5720
		IEEE 802.11ac VHT40	5510, 5550, 5670, 5710
		IEEE 802.11ac VHT80	5530, 5610, 5690
	U-NII-3	IEEE 802.11a	5745, 5785, 5825
		IEEE 802.11n HT20	5745, 5785, 5825
		IEEE 802.11n HT40	5755, 5795
		IEEE 802.11ac VHT20	5745, 5785, 5825
		IEEE 802.11ac VHT40	5755, 5795
		IEEE 802.11ac VHT80	5775

Operation Transmitter	1. IEEE 802.11a mode: 1T1R(SISO) 2. IEEE 802.11n HT20 mode: 1T1R(SISO) 3. IEEE 802.11n HT40 mode: 1T1R(SISO) 4. IEEE 802.11ac VHT20 mode: 1T1R(SISO)) 5. IEEE 802.11ac VHT40 mode: 1T1R(SISO) 6. IEEE 802.11ac VHT80 mode: 1T1R(SISO)
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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 802.11a/n ht20/n ht40/ac vht20/40/80, the vht20/vht40 were reduced since the identical parameters with 802.11n ht20 and ht40.
3. The worst-case data rates are determined to be as follows for each mode based upon investigations by evaluation judgment the average power and PSD across all data rates, bandwidths, and modulations.

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 Mode 2: EUT Power by Adapter(TTT)+USB-A Mode 3: EUT Power by Adapter(LUCENT TRANS)+USB-A
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 Host System
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 Adapter(LUCENT TRANS)+Type-C Mode 2: EUT Power by Adapter(TTT)+USB-A Mode 3: EUT Power by Car charger(12V)+Type-C+Cradle Mode 4: EUT Power by Car charger(24V)+Type-C+Cradle Mode 5: EUT Power by Cradle(12V) Mode 6: EUT Power by Cradle(24V) Mode 7: EUT Power by Host System
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4 ☐ Mode 5 ☐ Mode 6 ☐ Mode 7

Radiated Emission Measurement [Co-Location]	
Test Condition	Radiated Emission [Co-Location]
Power supply Mode	Mode 1: EUT Power by NFC+Wi-Fi+LTE_Band2 Mode 2: EUT Power by NFC+Wi-Fi+LTE_Band13
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 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(Z-Plane) were recorded in this report
4. The platform device has an NFC transmitter and a WLAN&WWAN 's module, which evaluates Radiated Emission based on co-location.

4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a) and RSS-GEN section 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

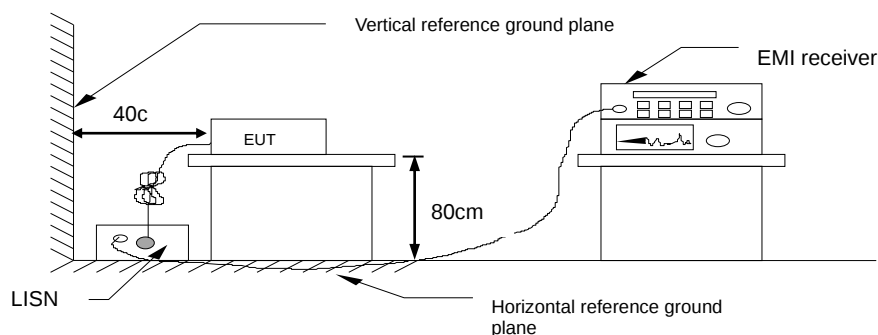
* Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

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

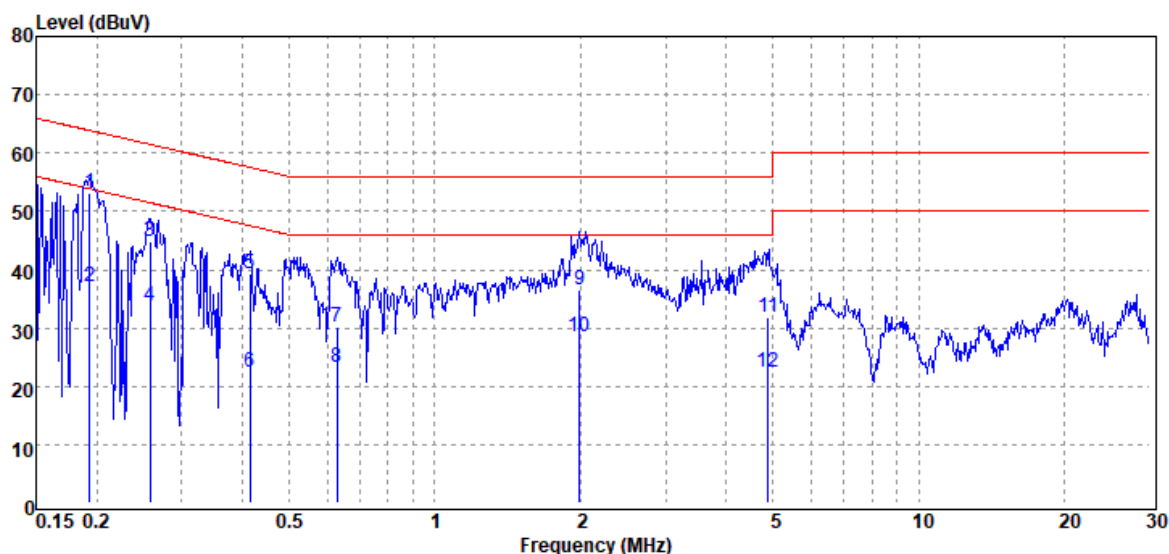
Pass.

Report No.: TMWK2406002104KR

Test Data

Project No : TM-2405000413P
Operation Mode : 5G
Test Chamber : Conduction
Probe : LINE
Note : Mode 1

Test Date : 2024-07-08
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
0.194	QP	52.94	0.12	53.06	63.88	-10.82
0.194	Average	36.94	0.12	37.06	53.88	-16.82
0.258	QP	44.71	0.12	44.83	61.51	-16.68
0.258	Average	33.68	0.12	33.80	51.51	-17.71
0.415	QP	39.16	0.11	39.27	57.54	-18.27
0.415	Average	22.45	0.11	22.56	47.54	-24.98
0.628	QP	29.98	0.11	30.09	56.00	-25.91
0.628	Average	23.22	0.11	23.33	46.00	-22.67
1.992	QP	36.39	0.15	36.54	56.00	-19.46
1.992	Average	28.23	0.15	28.38	46.00	-17.62
4.876	QP	31.54	0.23	31.77	56.00	-24.23
4.876	Average	22.18	0.23	22.41	46.00	-23.59

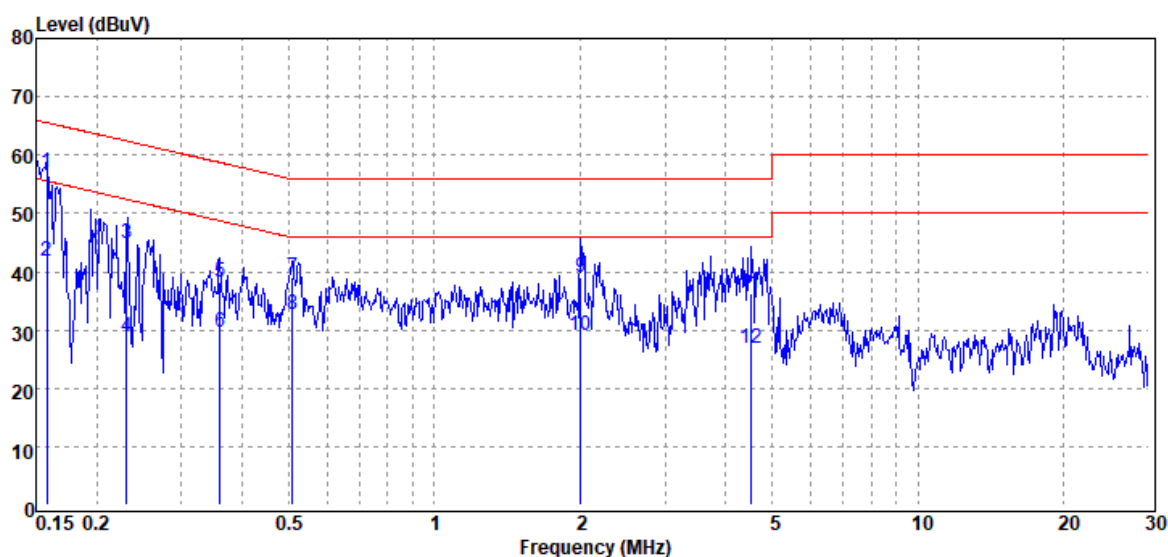
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2406002104KR

Project No : TM-2405000413P
Operation Mode : 5G
Test Chamber : Conduction
Probe : NEUTRAL
Note : Mode 1

Test Date : 2024-07-08
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
0.158	QP	56.87	0.11	56.98	65.57	-8.59
0.158	Average	41.60	0.11	41.71	55.57	-13.86
0.231	QP	44.69	0.09	44.78	62.40	-17.62
0.231	Average	28.62	0.09	28.71	52.40	-23.69
0.361	QP	38.06	0.08	38.14	58.71	-20.57
0.361	Average	29.54	0.08	29.62	48.71	-19.09
0.509	QP	39.05	0.08	39.13	56.00	-16.87
0.509	Average	32.71	0.08	32.79	46.00	-13.21
2.006	QP	38.87	0.13	39.00	56.00	-17.00
2.006	Average	28.93	0.13	29.06	46.00	-16.94
4.510	QP	36.02	0.20	36.22	56.00	-19.78
4.510	Average	26.59	0.20	26.79	46.00	-19.21

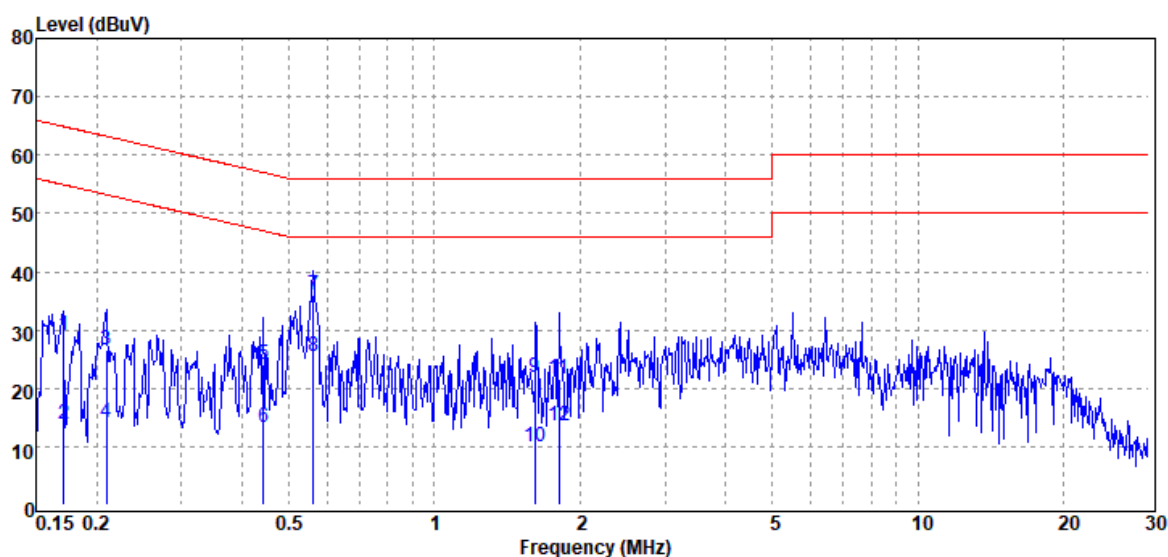
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2406002104KR

Project No : TM-2405000413P
Operation Mode : 5G
Test Chamber : Conduction
Probe : LINE
Note : Mode 2

Test Date : 2024-07-10
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
0.171	QP	28.78	0.25	29.03	64.92	-35.89
0.171	Average	13.70	0.25	13.95	54.92	-40.97
0.210	QP	26.29	0.39	26.68	63.21	-36.53
0.210	Average	13.85	0.39	14.24	53.21	-38.97
0.443	QP	23.65	0.38	24.03	57.01	-32.98
0.443	Average	12.90	0.38	13.28	47.01	-33.73
0.562	QP	35.53	0.38	35.91	56.00	-20.09
0.562	Average	25.19	0.38	25.57	46.00	-20.43
1.613	QP	21.58	0.18	21.76	56.00	-34.24
1.613	Average	9.66	0.18	9.84	46.00	-36.16
1.806	QP	21.46	0.18	21.64	56.00	-34.36
1.806	Average	13.45	0.18	13.63	46.00	-32.37

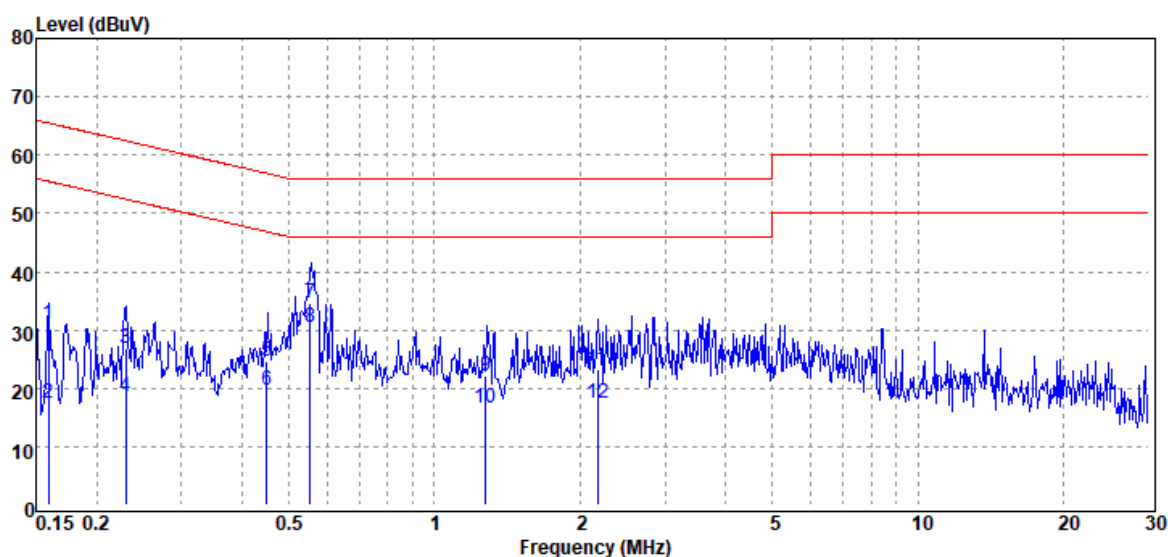
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2406002104KR

Project No : TM-2405000413P
Operation Mode : 5G
Test Chamber : Conduction
Probe : NEUTRAL
Note : Mode 2

Test Date : 2024-07-10
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
0.159	QP	30.86	0.16	31.02	65.50	-34.48
0.159	Average	17.38	0.16	17.54	55.50	-37.96
0.230	QP	26.43	0.36	26.79	62.45	-35.66
0.230	Average	18.21	0.36	18.57	52.45	-33.88
0.451	QP	24.29	0.35	24.64	56.86	-32.22
0.451	Average	19.35	0.35	19.70	46.86	-27.16
0.553	QP	34.26	0.35	34.61	56.00	-21.39
0.553	Average	30.18	0.35	30.53	46.00	-15.47
1.277	QP	22.06	0.14	22.20	56.00	-33.80
1.277	Average	16.47	0.14	16.61	46.00	-29.39
2.177	QP	23.10	0.16	23.26	56.00	-32.74
2.177	Average	17.19	0.16	17.35	46.00	-28.65

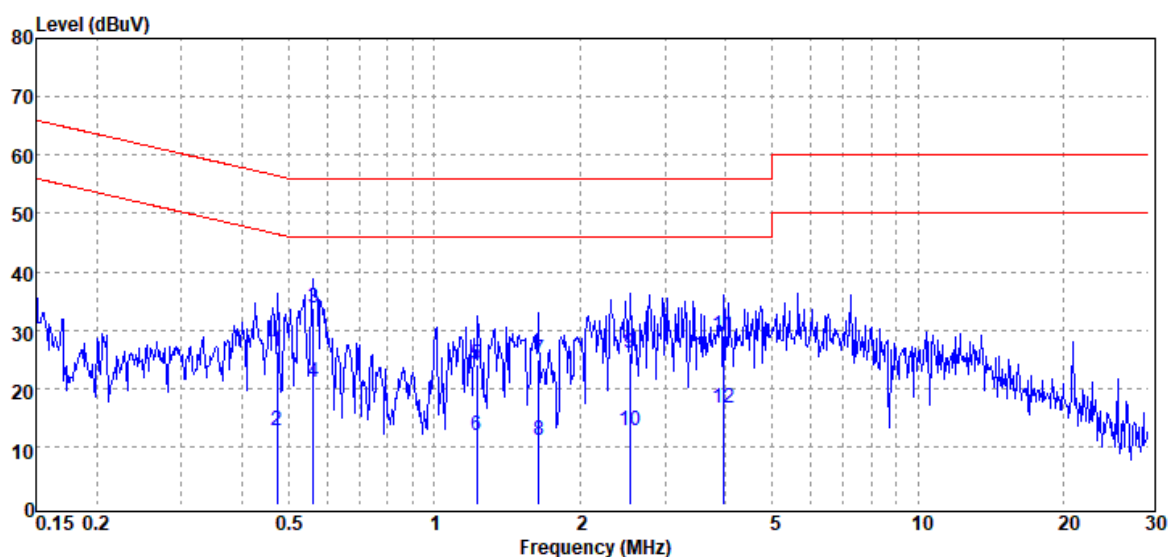
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2406002104KR

Project No : TM-2405000413P
Operation Mode : 5G
Test Chamber : Conduction
Probe : LINE
Note : Mode 2

Test Date : 2024-07-10
Temp./Humi. : 23.4°C / 54%
Engineer : Ben Yang
Test Voltage : AC 230V/60Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.474	QP	25.88	0.38	26.26	56.45	-30.19
0.474	Average	12.38	0.38	12.76	46.45	-33.69
0.562	QP	33.27	0.38	33.65	56.00	-22.35
0.562	Average	20.56	0.38	20.94	46.00	-25.06
1.224	QP	23.93	0.16	24.09	56.00	-31.91
1.224	Average	11.72	0.16	11.88	46.00	-34.12
1.642	QP	24.61	0.18	24.79	56.00	-31.21
1.642	Average	11.02	0.18	11.20	46.00	-34.80
2.538	QP	25.72	0.20	25.92	56.00	-30.08
2.538	Average	12.67	0.20	12.87	46.00	-33.13
3.951	QP	28.72	0.24	28.96	56.00	-27.04
3.951	Average	16.25	0.24	16.49	46.00	-29.51

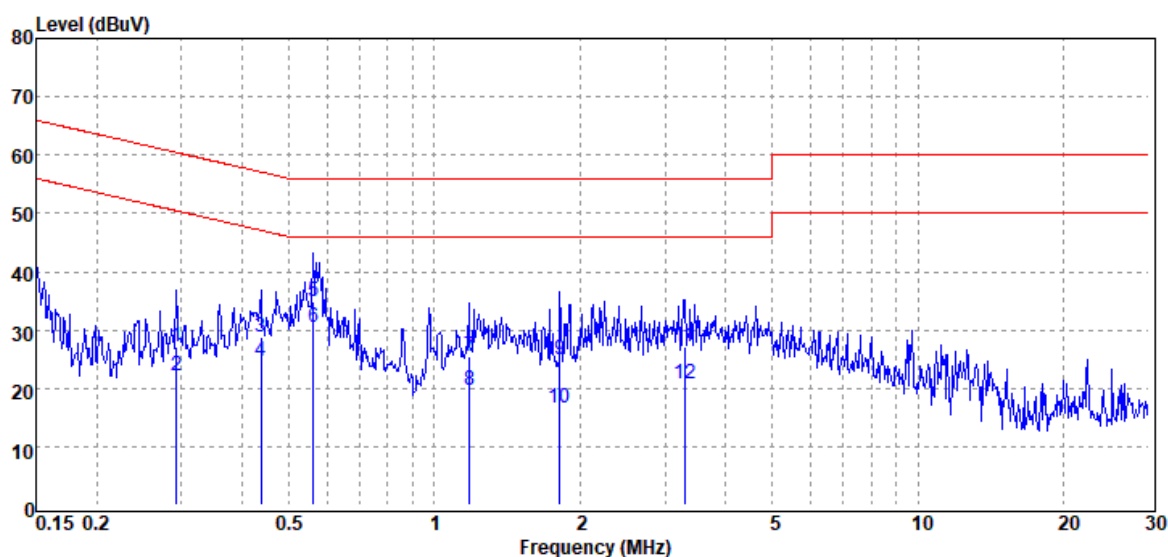
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2406002104KR

Project No : TM-2405000413P
Operation Mode : 5G
Test Chamber : Conduction
Probe : NEUTRAL
Note : Mode 2

Test Date : 2024-07-10
Temp./Humi. : 23.4°C / 54%
Engineer : Ben Yang
Test Voltage : AC 230V/60Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.293	QP	26.81	0.35	27.16	60.44	-33.28
0.293	Average	21.77	0.35	22.12	50.44	-28.32
0.438	QP	28.40	0.35	28.75	57.10	-28.35
0.438	Average	24.31	0.35	24.66	47.10	-22.44
0.561	QP	34.50	0.35	34.85	56.00	-21.15
0.561	Average	30.07	0.35	30.42	46.00	-15.58
1.181	QP	25.29	0.13	25.42	56.00	-30.58
1.181	Average	19.66	0.13	19.79	46.00	-26.21
1.816	QP	24.87	0.16	25.03	56.00	-30.97
1.816	Average	16.33	0.16	16.49	46.00	-29.51
3.295	QP	26.83	0.19	27.02	56.00	-28.98
3.295	Average	20.68	0.19	20.87	46.00	-25.13

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 §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3)

UNII-1 :

The maximum conducted output power over the frequency band of operation shall not exceed 250 mW(24 dBm), whichever power is less. B is the 99% emission bandwidth in megahertz, provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-2a and 2c:

the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-1 Limit	☒ Antenna not exceed 6 dBi : 24dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 24 – (DG – 6)]
UNII-2a/2c Limit	☒ Antenna not exceed 6 dBi : 24dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 24 – (DG – 6)]
UNII-3 Limit	☒ Antenna not exceed 6 dBi : 30dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)]

According to RSS-247 section 6.2.1.1, section 6.2.2.1, section 6.2.3.1 and section 6.2.4.1

UNII-1 :

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

UNII-2a and 2c:

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

Devices, other than devices installed in vehicles, shall comply with the following:

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

UNII-2c (5470-5600 MHz and 5650-5725 MHz)

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-1 Limit	☒ 200mW or $10 + 10 \log_{10} B$ for IC ☐ Antenna with DG greater than 6 dBi : [Limit = $30 - (DG - 6)$]
UNII-2a/2c Limit	☒ 250 mW or $11 + 10 \log_{10} B$ for IC ☐ Antenna with DG greater than 6 dBi : [Limit = $24 - (DG - 6)$]
UNII-3 Limit	☐ Antenna not exceed 6 dBi : 30dBm ☒ Antenna with DG greater than 6 dBi : [Limit = $30 - (DG - 6)$]

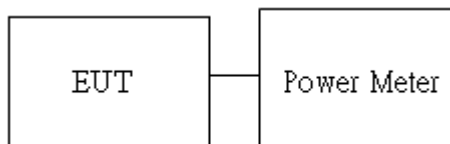
4.2.2 Test Procedure

Test method Refer as KDB 789033 D02, Section E.3.b for BW 20MHz, 40MHz and 80MHz.

1. The EUT RF output connected to the power meter or spectrum 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 Average output power. in the test report.

4.2.3 Test Setup

For BW 20MHz ,40MHz and 80MHz



Report No.: TMWK2406002104KR

4.2.4 Test Result

Temperature: 21.6 ~ 25.3°C

Test date: June 20 ~ July 8, 2024

Humidity: 53 ~ 62% RH

Tested by: Marco Chan

For FCC:

802.11a_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	19.5	34.203	15.34	23.98	PASS
44	5220	6	19.5	34.679	15.40	23.98	PASS
48	5240	6	19.5	34.203	15.34	23.98	PASS
52	5260	6	19	31.338	14.96	23.98	PASS
60	5300	6	19	32.514	15.12	23.98	PASS
64	5320	6	18.5	29.721	14.73	23.98	PASS
100	5500	6	20.5	31.994	15.05	23.98	PASS
116	5580	6	20.5	32.141	15.07	23.98	PASS
140	5700	6	20	28.712	14.58	23.98	PASS
144	5720	6	20.5	31.122	14.93	23.98	PASS
149	5745	6	21	29.858	14.75	30	PASS
157	5785	6	21	28.778	14.59	30	PASS
165	5825	6	21.5	31.628	15.00	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	18	23.993	13.80	23.98	PASS
44	5220	MCS0	18	24.383	13.87	23.98	PASS
48	5240	MCS0	18	24.439	13.88	23.98	PASS
52	5260	MCS0	18	24.552	13.90	23.98	PASS
60	5300	MCS0	18	25.473	14.06	23.98	PASS
64	5320	MCS0	18	24.951	13.97	23.98	PASS
100	5500	MCS0	19	24.271	13.85	23.98	PASS
116	5580	MCS0	19	23.447	13.70	23.98	PASS
140	5700	MCS0	19.5	25.182	14.01	23.98	PASS
144	5720	MCS0	20	26.429	14.22	23.98	PASS
149	5745	MCS0	20	24.836	13.95	30	PASS
157	5785	MCS0	20	23.609	13.73	30	PASS
165	5825	MCS0	20.5	25.415	14.05	30	PASS

802.11ac_VHT20_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	18	23.852	13.775	23.98	PASS
44	5220	MCS0	18	24.240	13.845	23.98	PASS
48	5240	MCS0	18	24.184	13.835	23.98	PASS
52	5260	MCS0	18	24.018	13.805	23.98	PASS
60	5300	MCS0	18	25.207	14.015	23.98	PASS
64	5320	MCS0	18	24.296	13.855	23.98	PASS
100	5500	MCS0	19	24.184	13.835	23.98	PASS
116	5580	MCS0	19	22.989	13.615	23.98	PASS
140	5700	MCS0	19.5	24.464	13.885	23.98	PASS
144	5720	MCS0	20	25.735	14.105	23.98	PASS
149	5745	MCS0	20	24.464	13.885	30	PASS
157	5785	MCS0	20	23.525	13.715	30	PASS
165	5825	MCS0	20.5	24.804	13.945	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	17	25.779	14.11	23.98	PASS
46	5230	MCS0	18	27.943	14.46	23.98	PASS
54	5270	MCS0	18	28.462	14.54	23.98	PASS
62	5310	MCS0	15.5	23.619	13.73	23.98	PASS
102	5510	MCS0	18	30.851	14.89	23.98	PASS
110	5550	MCS0	19.5	29.260	14.66	23.98	PASS
134	5670	MCS0	19.5	27.370	14.37	23.98	PASS
142	5710	MCS0	19	26.563	14.24	23.98	PASS
151	5755	MCS0	19.5	26.078	14.16	30	PASS
159	5795	MCS0	20	27.370	14.37	30	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	18	27.045	14.32	23.98	PASS
46	5230	MCS0	18	27.485	14.39	23.98	PASS
54	5270	MCS0	18	27.548	14.40	23.98	PASS
62	5310	MCS0	18	27.867	14.45	23.98	PASS
102	5510	MCS0	19	27.612	14.41	23.98	PASS
110	5550	MCS0	19.5	28.780	14.59	23.98	PASS
134	5670	MCS0	19.5	26.983	14.31	23.98	PASS
142	5710	MCS0	19	26.067	14.16	23.98	PASS
151	5755	MCS0	19.5	25.888	14.13	30	PASS
159	5795	MCS0	20	26.859	14.29	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	17	28.328	14.52	23.98	PASS
58	5290	MCS0	15.5	20.380	13.09	23.98	PASS
106	5530	MCS0	19	27.683	14.42	23.98	PASS
122	5610	MCS0	20.5	28.722	14.58	23.98	PASS
138	5690	MCS0	19.5	24.901	13.96	23.98	PASS
155	5775	MCS0	19.5	24.616	13.91	30	PASS

For IC:

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
52	5260	31.338	14.96	23.98	PASS
60	5300	32.514	15.12	23.98	PASS
64	5320	29.721	14.73	23.98	PASS
100	5500	31.994	15.05	23.98	PASS
116	5580	32.141	15.07	23.98	PASS
140	5700	28.712	14.58	23.98	PASS
144	5720	31.122	14.93	23.98	PASS
149	5745	29.858	14.75	30	PASS
157	5785	28.778	14.59	30	PASS
165	5825	31.628	15.00	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
52	5260	24.552	13.90	23.98	PASS
60	5300	25.473	14.06	23.98	PASS
64	5320	24.951	13.97	23.98	PASS
100	5500	24.271	13.85	23.98	PASS
116	5580	23.447	13.70	23.98	PASS
140	5700	25.182	14.01	23.98	PASS
144	5720	26.429	14.22	23.98	PASS
149	5745	24.836	13.95	30	PASS
157	5785	23.609	13.73	30	PASS
165	5825	25.415	14.05	30	PASS

802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
52	5260	24.018	13.81	23.98	PASS
60	5300	25.207	14.02	23.98	PASS
64	5320	24.296	13.86	23.98	PASS
100	5500	24.184	13.84	23.98	PASS
116	5580	22.989	13.62	23.98	PASS
140	5700	24.464	13.89	23.98	PASS
144	5720	25.735	14.11	23.98	PASS
149	5745	24.464	13.89	30	PASS
157	5785	23.525	13.72	30	PASS
165	5825	24.804	13.95	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
54	5270	28.462	14.54	23.98	PASS
62	5310	23.619	13.73	23.98	PASS
102	5510	30.851	14.89	23.98	PASS
110	5550	29.260	14.66	23.98	PASS
134	5670	27.370	14.37	23.98	PASS
142	5710	26.563	14.24	23.98	PASS
151	5755	26.078	14.16	30	PASS
159	5795	27.370	14.37	30	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
54	5270	27.548	14.40	23.98	PASS
62	5310	27.867	14.45	23.98	PASS
102	5510	27.612	14.41	23.98	PASS
110	5550	28.780	14.59	23.98	PASS
134	5670	26.983	14.31	23.98	PASS
142	5710	26.067	14.16	23.98	PASS
151	5755	25.888	14.13	30	PASS
159	5795	26.859	14.29	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
58	5290	20.380	13.09	23.98	PASS
106	5530	27.683	14.42	23.98	PASS
122	5610	28.722	14.58	23.98	PASS
138	5690	24.901	13.96	23.98	PASS
155	5775	24.616	13.91	30	PASS

Report No.: TMWK2406002104KR

Rev. 00

EIRP Power:

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	15.34	3.30	73.114	18.64	23.01	PASS
44	5220	15.40	3.30	74.131	18.70	23.01	PASS
48	5240	15.34	3.30	73.114	18.64	23.01	PASS
52	5260	14.96	3.30	66.988	18.26	30	PASS
60	5300	15.12	3.30	69.502	18.42	30	PASS
64	5320	14.73	3.30	63.533	18.03	30	PASS
100	5500	15.05	3.30	68.391	18.35	30	PASS
116	5580	15.07	3.30	68.707	18.37	30	PASS
140	5700	14.58	3.30	61.376	17.88	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	13.80	3.30	51.286	17.10	23.01	PASS
44	5220	13.87	3.30	52.119	17.17	23.01	PASS
48	5240	13.88	3.30	52.240	17.18	23.01	PASS
52	5260	13.90	3.30	52.481	17.20	30	PASS
60	5300	14.06	3.30	54.450	17.36	30	PASS
64	5320	13.97	3.30	53.333	17.27	30	PASS
100	5500	13.85	3.30	51.880	17.15	30	PASS
116	5580	13.70	3.30	50.119	17.00	30	PASS
140	5700	14.01	3.30	53.827	17.31	30	PASS

802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	13.78	3.30	51.050	17.08	23.01	PASS
44	5220	13.85	3.30	51.880	17.15	23.01	PASS
48	5240	13.84	3.30	51.761	17.14	23.01	PASS
52	5260	13.81	3.30	51.404	17.11	30	PASS
60	5300	14.02	3.30	53.951	17.32	30	PASS
64	5320	13.86	3.30	52.000	17.16	30	PASS
100	5500	13.84	3.30	51.761	17.14	30	PASS
116	5580	13.62	3.30	49.204	16.92	30	PASS
140	5700	13.89	3.30	52.360	17.19	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	14.11	3.30	55.081	17.41	23.01	PASS
46	5230	14.46	3.30	59.704	17.76	23.01	PASS
54	5270	14.54	3.30	60.814	17.84	30	PASS
62	5310	13.73	3.30	50.466	17.03	30	PASS
102	5510	14.89	3.30	65.917	18.19	30	PASS
110	5550	14.66	3.30	62.517	17.96	30	PASS
134	5670	14.37	3.30	58.479	17.67	30	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	14.32	3.30	57.810	17.62	23.01	PASS
46	5230	14.39	3.30	58.749	17.69	23.01	PASS
54	5270	14.40	3.30	58.884	17.70	30	PASS
62	5310	14.45	3.30	59.566	17.75	30	PASS
102	5510	14.41	3.30	59.020	17.71	30	PASS
110	5550	14.59	3.30	61.518	17.89	30	PASS
134	5670	14.31	3.30	57.677	17.61	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
42	5210	14.52	3.30	60.534	17.82	23.01	PASS
58	5290	13.09	3.30	43.551	16.39	30	PASS
106	5530	13.09	3.30	43.551	16.39	30	PASS
122	5610	14.42	3.30	59.156	17.72	30	PASS

4.3 RADIATION Bandedge and Spurious Emission

4.3.1 Test Limit

FCC according to §15.407, §15.209 and §15.205,

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)

UNII-1 :

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz. Otherwise, the transmission is considered as intentional and the devices shall implement dynamic frequency selection (DFS) and transmitter power control (TPC) as per the requirements for the band 5250-5350 MHz

UNII-3:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

According to RSS-247 section 6.2.1.2, 6.2.2.2, 6.2.3.2 and 6.2.4.2

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)

RSS-Gen Table 3 and Table 5 – General Field Strength Limits for Transmitters and Receivers at Frequencies Above 30 MHz ^(Note)

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)

Note: Measurements for compliance with the limits in table 3 may be performed at distances other than 3 metres, in accordance with Section 6.6.

RSS-Gen Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)

Frequency	Magnetic field strength (H-Field) ($\mu\text{A/m}$)	Measurement Distance (m)
9-490 kHz ^{Note}	6.37/F (F in kHz)	300
490-1,705 kHz	63.7/F (F in kHz)	30
1.705-30 MHz	0.08	30

Note: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

UNII-1 :

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz. Otherwise, the transmission is considered as intentional and the devices shall implement dynamic frequency selection (DFS) and transmitter power control (TPC) as per the requirements for the band 5250-5350 MHz

UNII-2a and 2c :

For devices with operating frequencies in the band 5250-5350 MHz but having a channel bandwidth that overlaps the band 5150-5250 MHz, the devices' unwanted emission shall not exceed -27 dBm/MHz e.i.r.p. outside the band 5150-5350 MHz and its power shall comply with the spectral power density for operation within the band 5150-5250 MHz. The device shall be labelled "for indoor use only." Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

UNII-3:

For the band 5725-5850 MHz, emissions at frequencies from the band edges to 10 MHz above or below the band edges shall not exceed -17 dBm/MHz e.i.r.p. For emissions at frequencies more than 10 MHz above or below the band edges, the emissions power shall not exceed -27 dBm/MHz

4.3.2 Test Procedure

Test method Refer as KDB 789033 D02.

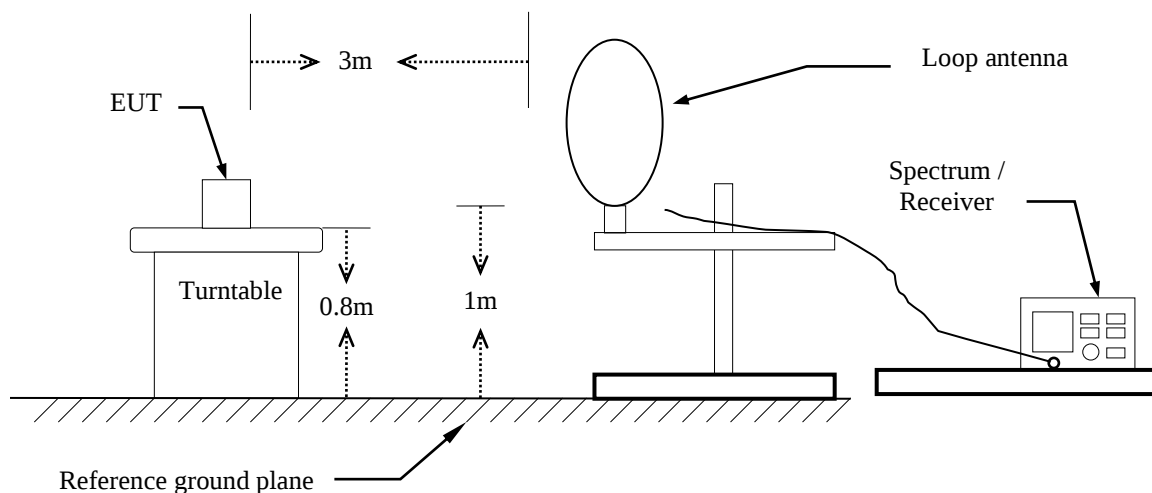
1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And 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 40GHz 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)
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*RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (3) Above 1GHz :
 - (3.1) For Peak measurement : RBW = 1MHz, VBW $\geq$ 3 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

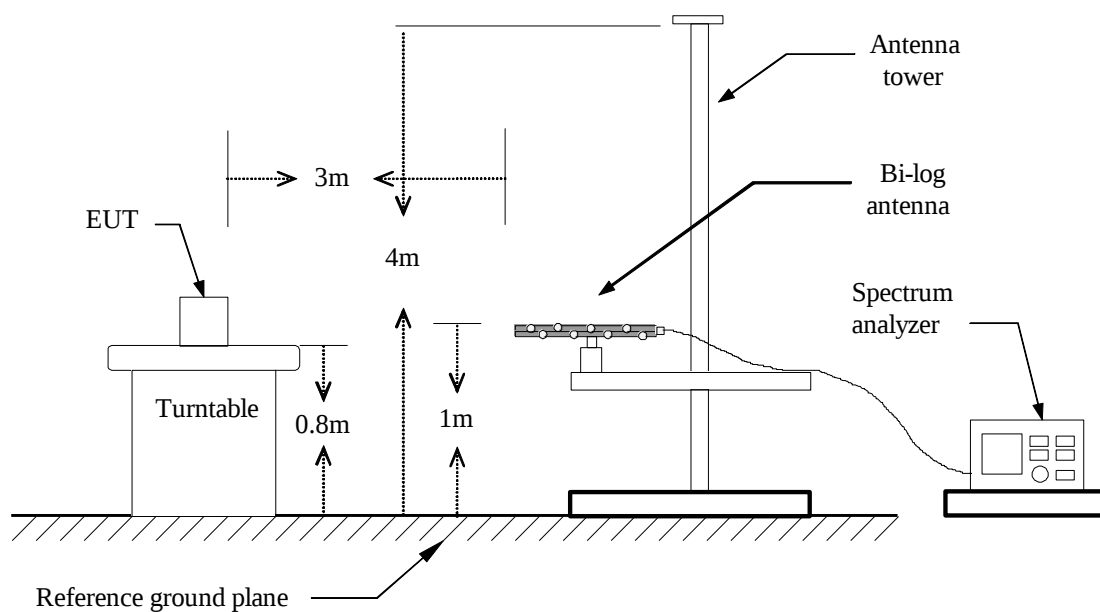
Margin=Actual FS- Limit

4.3.3 Test Setup

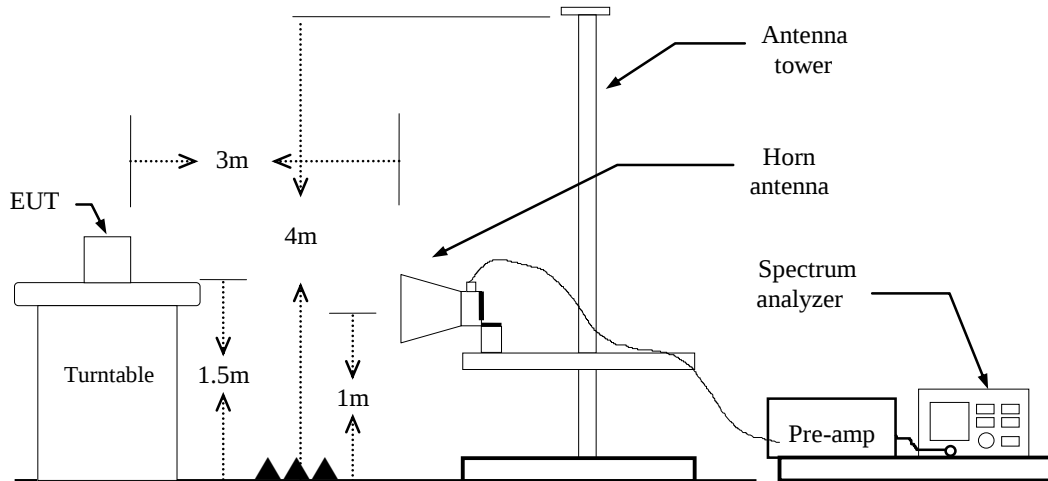
9kHz ~ 30MHz



30MHz ~ 1GHz



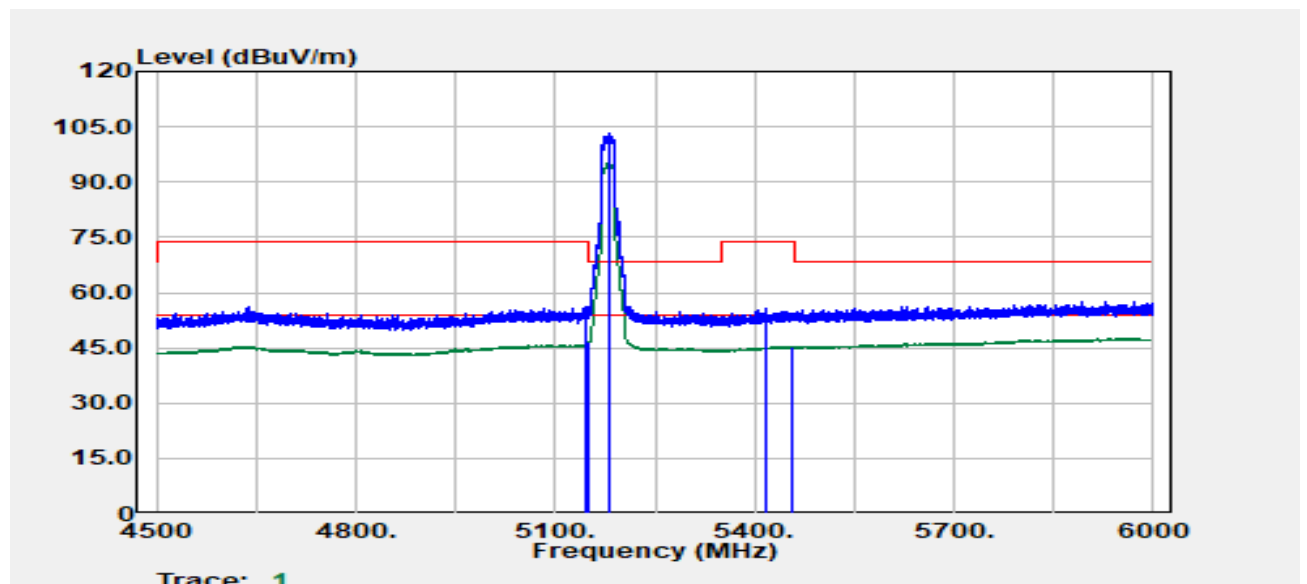
Above 1 GHz



4.3.4 Test Result

Band Edge Test Data

Project No	:TM-2405000413P	Test Date	:2024-07-01
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5180 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony Chao
EUT Pol	:H	Test Chamber	: 966A
Setting	:19.5		

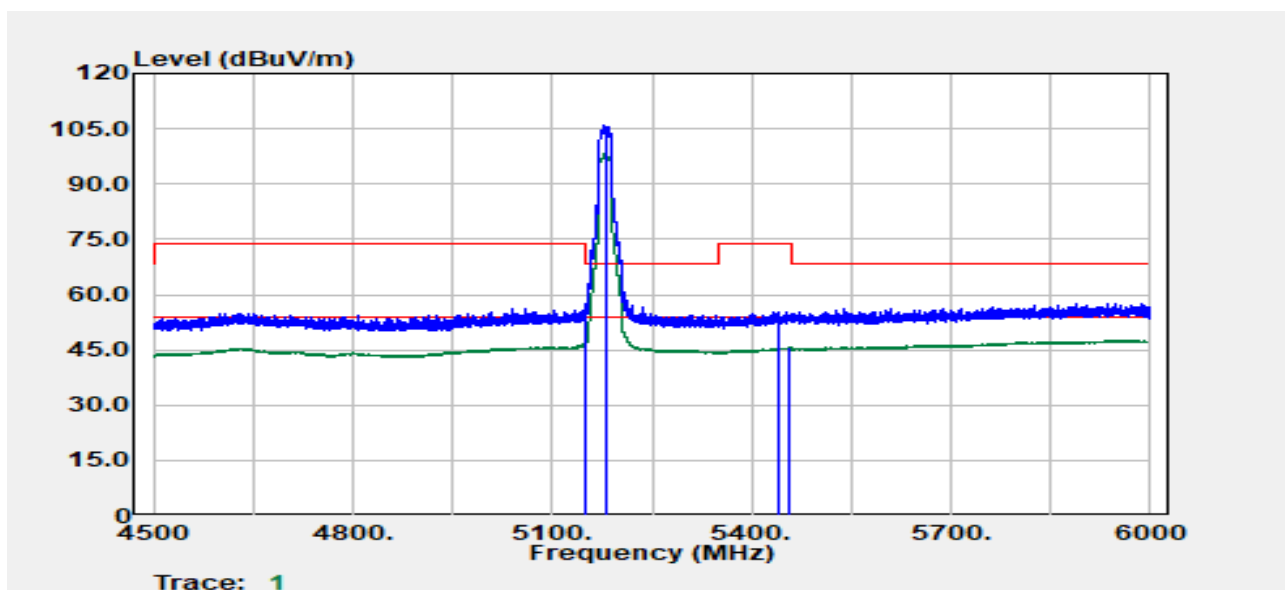


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
5146.11	Peak	42.54	13.73	56.27	74.00	-17.73
5149.86	Average	32.89	13.73	46.62	54.00	-7.38
5180.00	Peak	89.50	13.81	103.31	--	--
5180.00	Average	81.63	13.81	95.43	--	--
5416.90	Peak	41.36	14.17	55.53	74.00	-18.47
5454.91	Average	31.07	14.40	45.47	54.00	-8.53

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band1
Frequency :5180 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :19.5

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

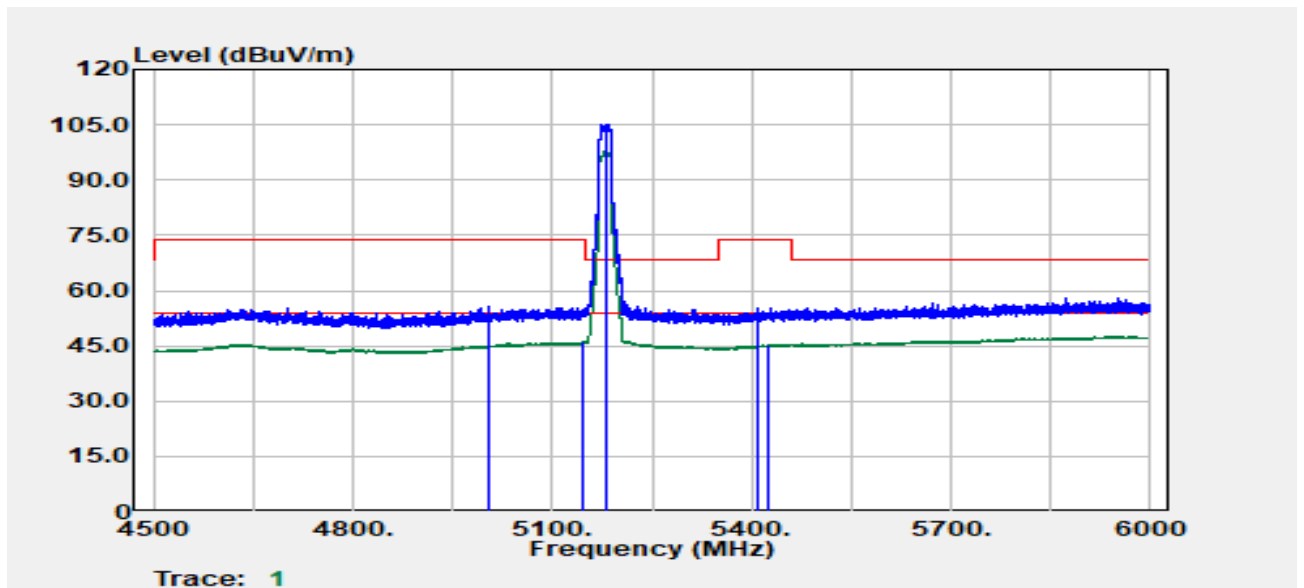


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5148.86	Average	33.13	13.73	46.86	54.00	-7.14
5149.36	Peak	43.63	13.73	57.36	74.00	-16.64
5180.00	Peak	92.04	13.81	105.85	--	--
5180.00	Average	84.52	13.81	98.33	--	--
5440.41	Peak	40.98	14.34	55.32	74.00	-18.68
5455.16	Average	31.12	14.40	45.52	54.00	-8.48

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band1
Frequency :5180 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :18

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

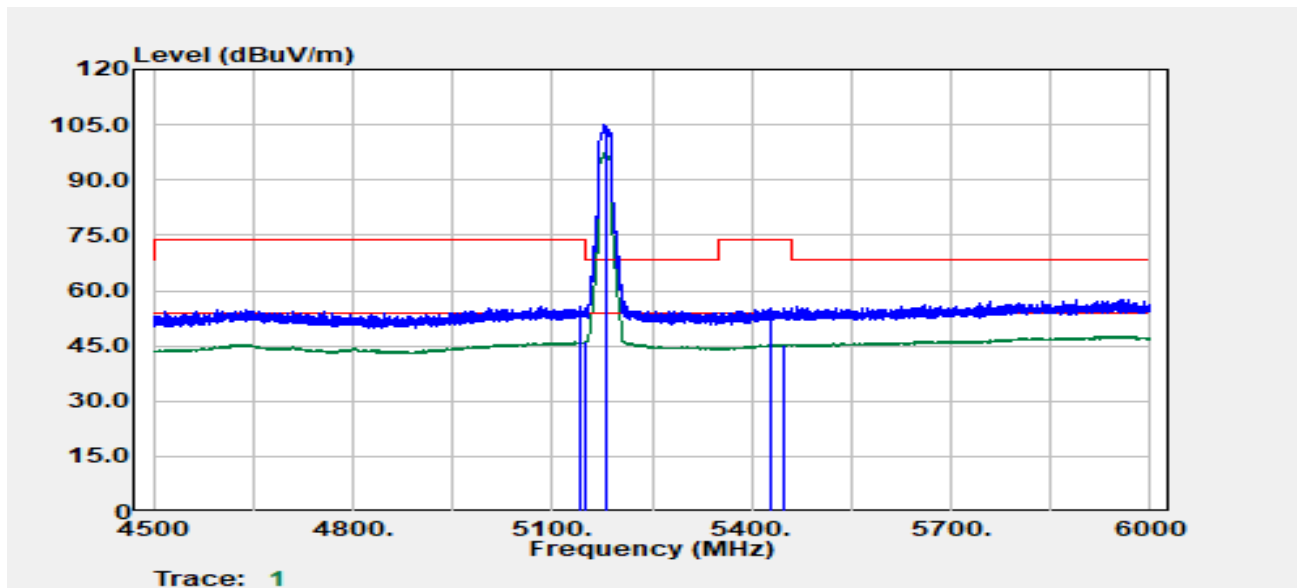


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5003.58	Peak	42.43	13.34	55.77	74.00	-18.23
5146.86	Average	32.33	13.73	46.06	54.00	-7.94
5180.00	Peak	91.37	13.81	105.17	--	--
5180.00	Average	84.08	13.81	97.89	--	--
5407.40	Peak	41.21	14.10	55.30	74.00	-18.70
5426.40	Average	31.18	14.24	45.42	54.00	-8.58

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band1
Frequency :5180 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :18

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

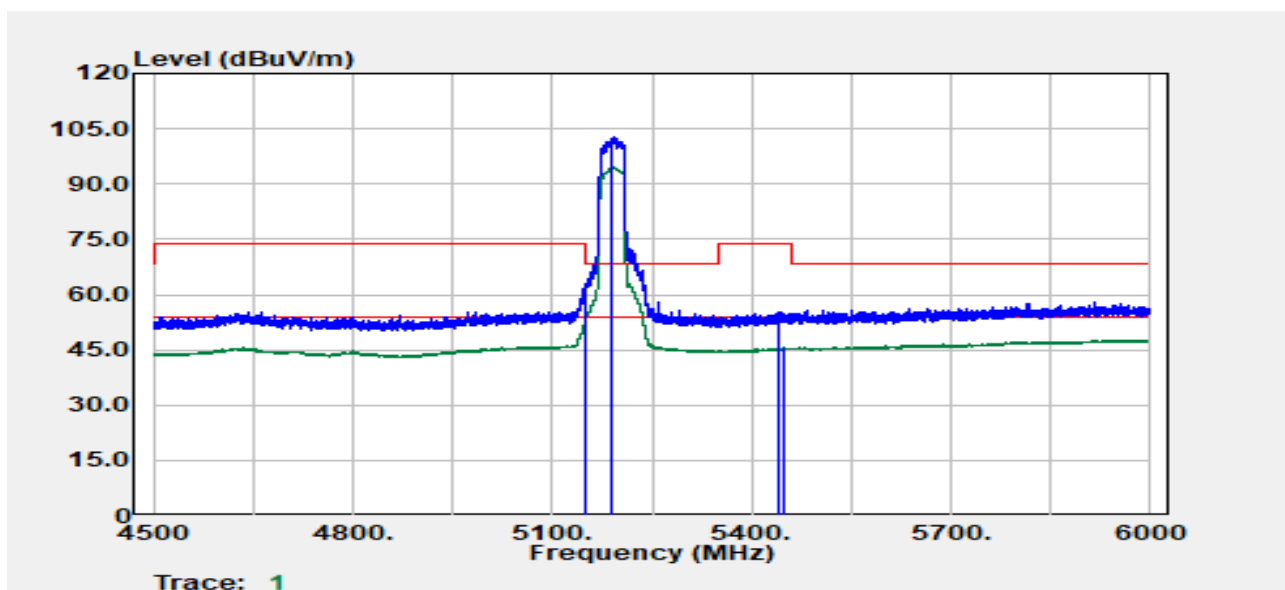


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
5140.86	Peak	42.16	13.73	55.89	74.00	-18.11
5149.86	Average	32.50	13.73	46.23	54.00	-7.77
5180.00	Peak	91.43	13.81	105.24	--	--
5180.00	Average	83.46	13.81	97.26	--	--
5426.90	Peak	41.22	14.24	55.46	74.00	-18.54
5448.16	Average	31.05	14.40	45.45	54.00	-8.55

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band1
Frequency :5190 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :17

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

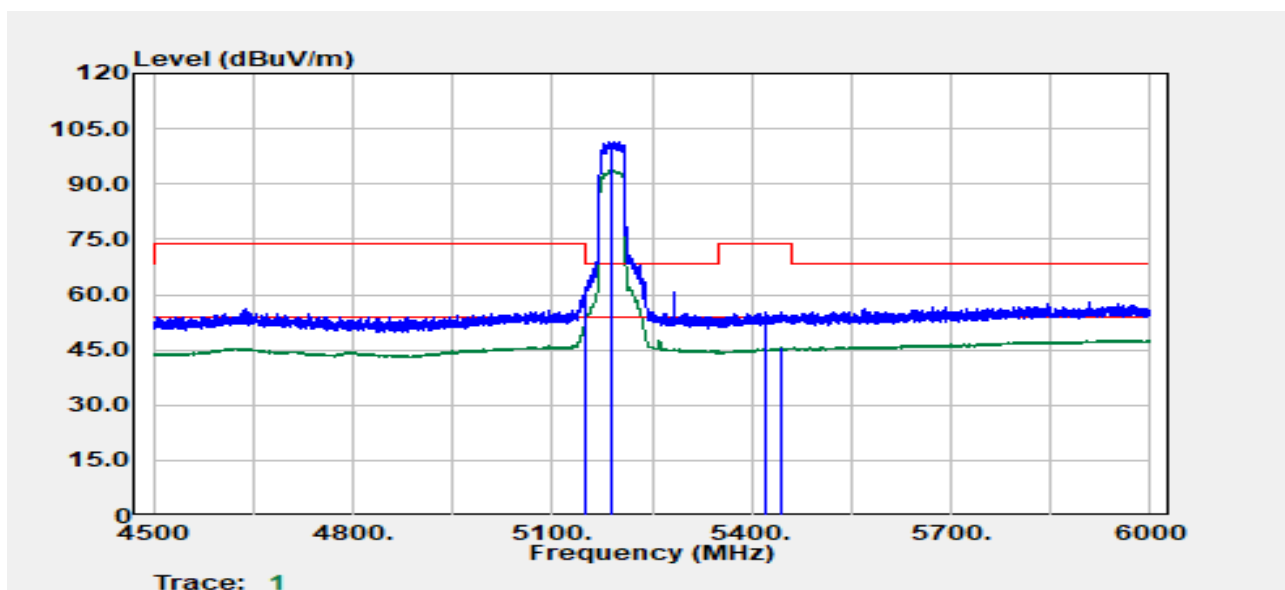


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
5148.18	Peak	48.66	13.73	62.39	74.00	-11.61
5149.93	Average	39.00	13.73	52.73	54.00	-1.27
5190.00	Peak	88.84	13.83	102.68	--	--
5190.00	Average	80.92	13.83	94.75	--	--
5442.53	Peak	40.78	14.36	55.13	74.00	-18.87
5450.28	Average	31.15	14.41	45.56	54.00	-8.44

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band1
Frequency :5190 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :17

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

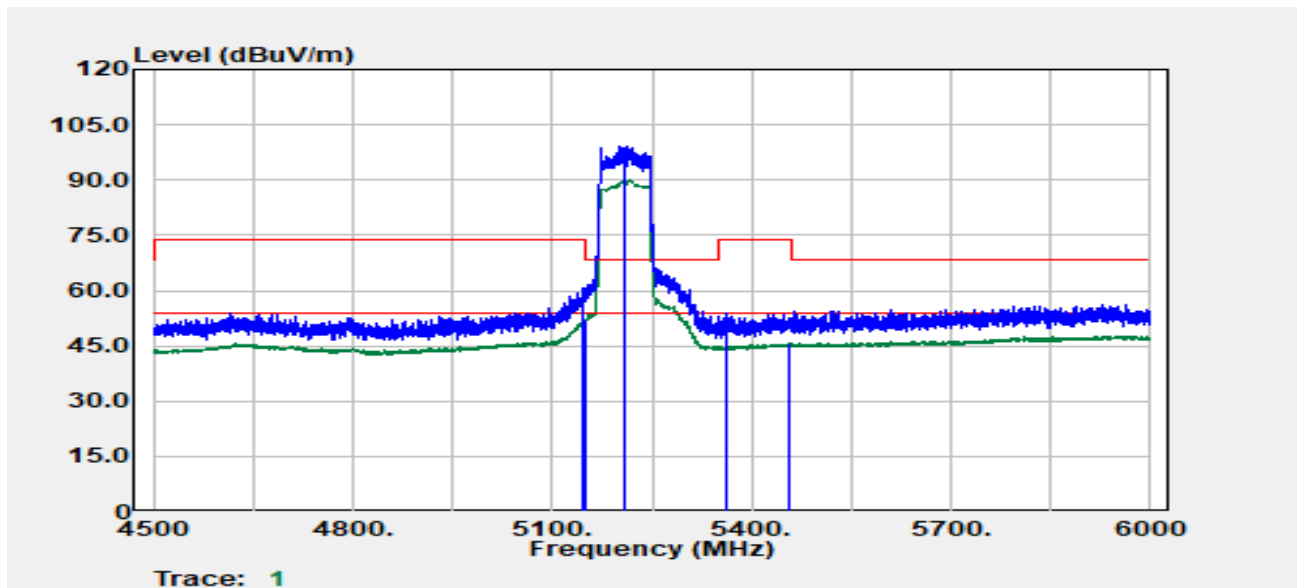


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
5149.61	Peak	47.19	13.73	60.92	74.00	-13.08
5149.61	Average	39.26	13.73	52.99	54.00	-1.01
5190.00	Peak	87.79	13.83	101.63	--	--
5190.00	Average	80.03	13.83	93.86	--	--
5422.15	Peak	40.95	14.21	55.15	74.00	-18.85
5444.91	Average	31.19	14.38	45.57	54.00	-8.43

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band1
Frequency :5210 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :17

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

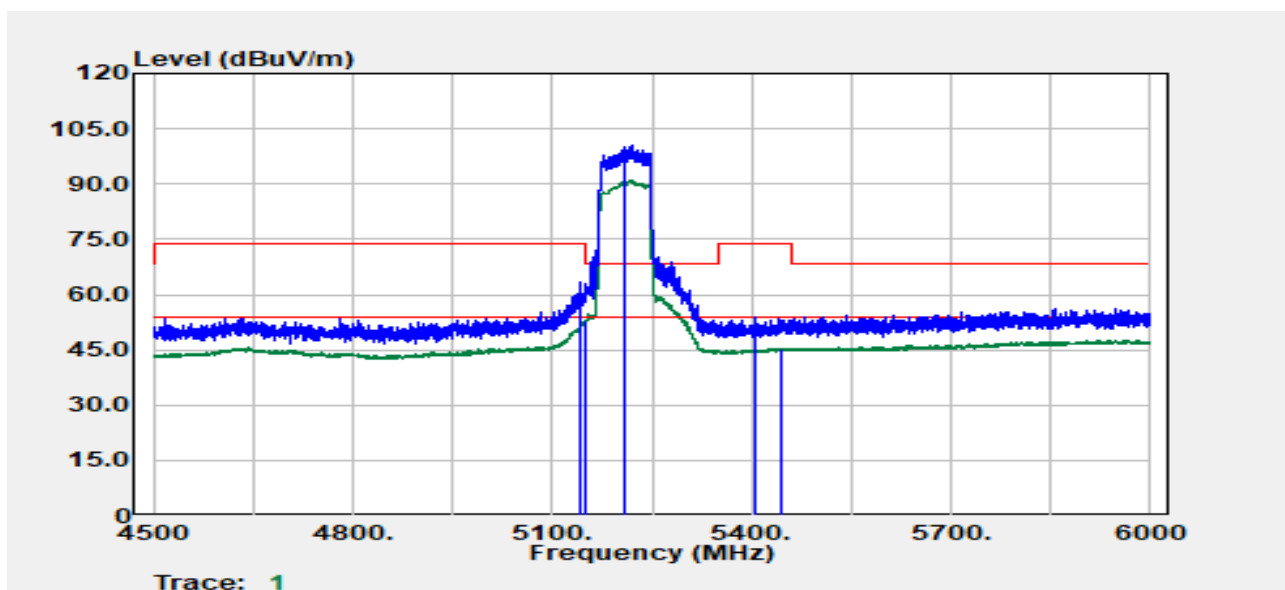


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
5146.36	Peak	47.10	13.73	60.83	74.00	-13.17
5150.11	Average	38.21	13.73	51.94	54.00	-2.06
5210.00	Peak	85.23	13.87	99.11	--	--
5210.00	Average	76.19	13.87	90.07	--	--
5361.89	Peak	40.13	13.94	54.08	74.00	-19.92
5456.41	Average	31.15	14.40	45.54	54.00	-8.46

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band1
Frequency :5210 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :17

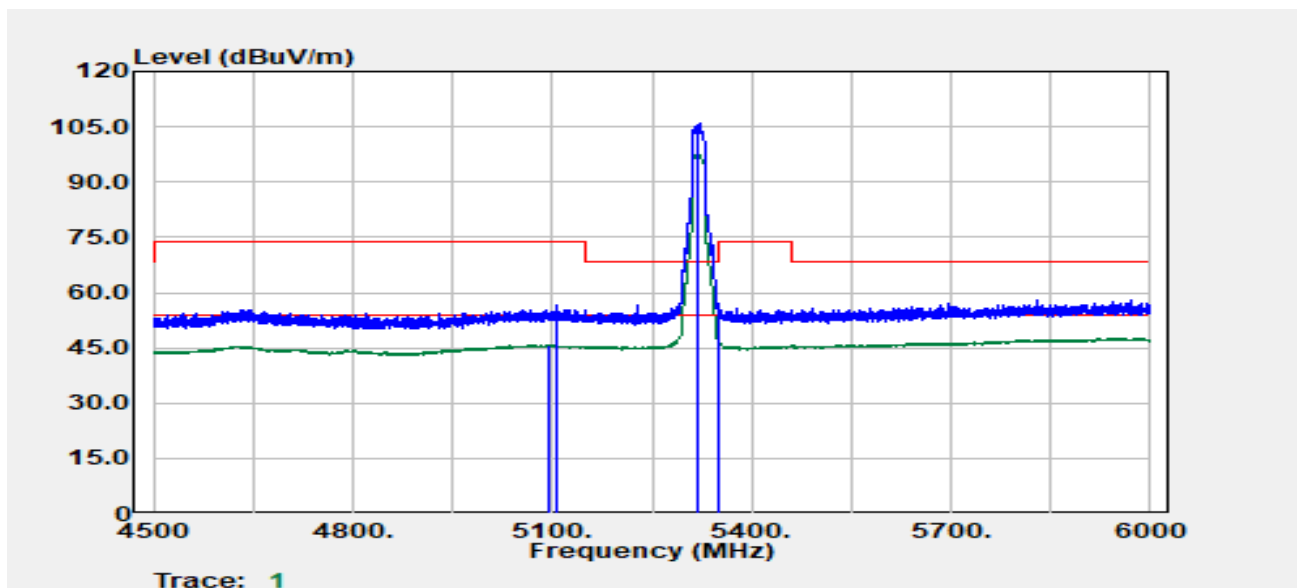
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5140.61	Peak	49.45	13.73	63.18	74.00	-10.82
5149.86	Average	39.28	13.73	53.01	54.00	-0.99
5210.00	Peak	86.74	13.87	100.61	--	--
5210.00	Average	77.35	13.87	91.22	--	--
5404.90	Peak	39.77	14.08	53.85	74.00	-20.15
5443.41	Average	31.12	14.37	45.49	54.00	-8.51

Project No :TM-2405000413P
 Operation Band :802.11a/Band2
 Frequency :5320 MHz
 Operation Mode :Bandedge
 EUT Pol :H
 Setting :18.5

Test Date :2024-07-01
 Temp./Humi. :24.6/57
 Antenna Pol. :VERTICAL
 Engineer :Tony Chao
 Test Chamber : 966A

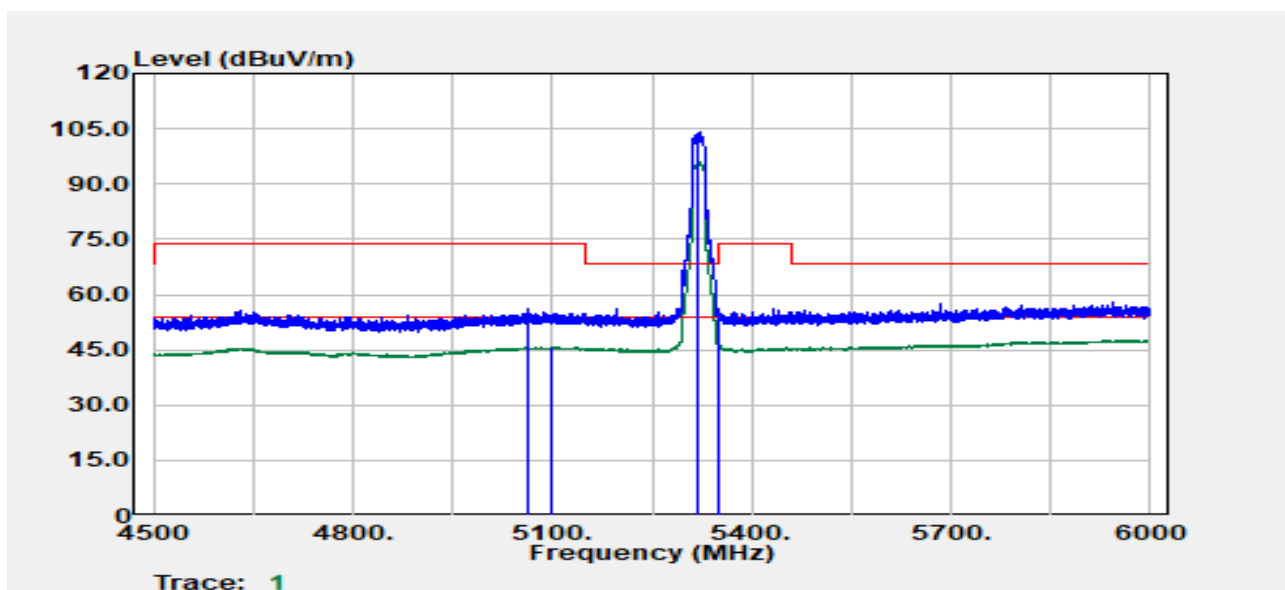


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
5093.85	Average	32.04	13.74	45.77	54.00	-8.23
5108.35	Peak	42.70	13.75	56.44	74.00	-17.56
5320.00	Peak	91.68	14.06	105.74	--	--
5320.00	Average	83.72	14.06	97.78	--	--
5350.00	Peak	42.05	13.91	55.96	68.20	-12.24
5350.00	Average	32.85	13.91	46.77	54.00	-7.23

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band2
Frequency :5320 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :18.5

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

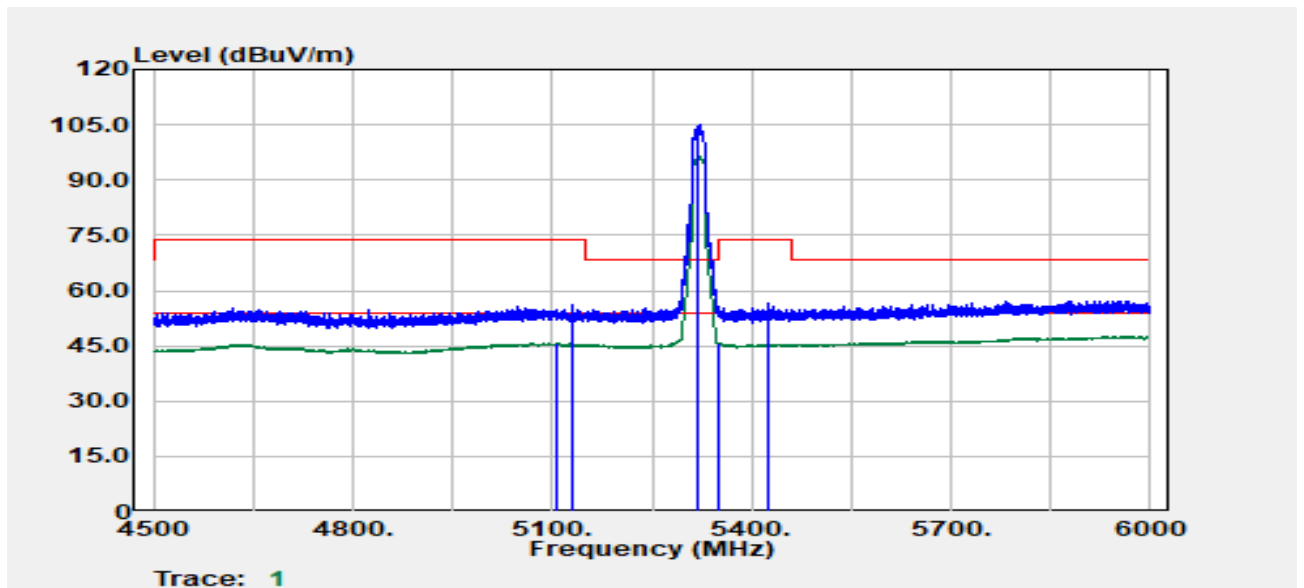


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5064.09	Peak	42.26	13.69	55.95	74.00	-18.05
5097.85	Average	32.13	13.75	45.87	54.00	-8.13
5320.00	Peak	90.01	14.06	104.08	--	--
5320.00	Average	81.95	14.06	96.01	--	--
5350.14	Peak	42.10	13.92	56.02	74.00	-17.98
5350.14	Average	32.81	13.92	46.73	54.00	-7.27

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band2
Frequency :5320 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :18

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

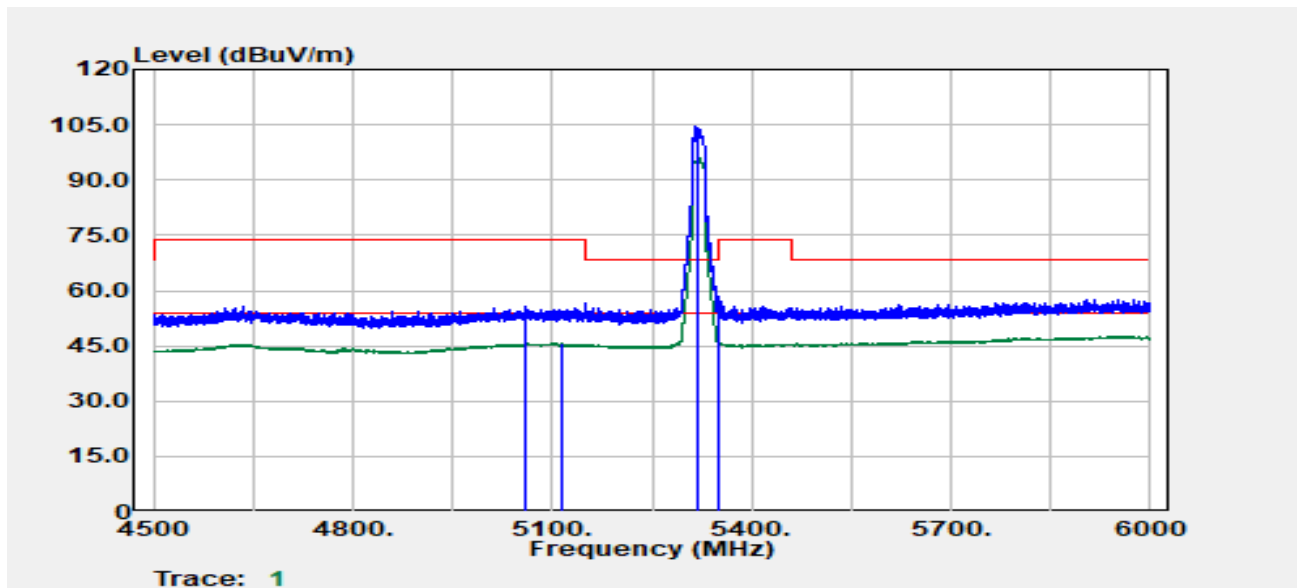


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5108.35	Average	31.85	13.75	45.59	54.00	-8.41
5130.36	Peak	42.20	13.74	55.94	74.00	-18.06
5320.00	Peak	90.87	14.06	104.93	--	--
5320.00	Average	82.38	14.06	96.44	--	--
5351.14	Average	31.96	13.92	45.87	54.00	-8.13
5424.15	Peak	42.31	14.22	56.53	74.00	-17.47

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band2
Frequency :5320 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :18

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

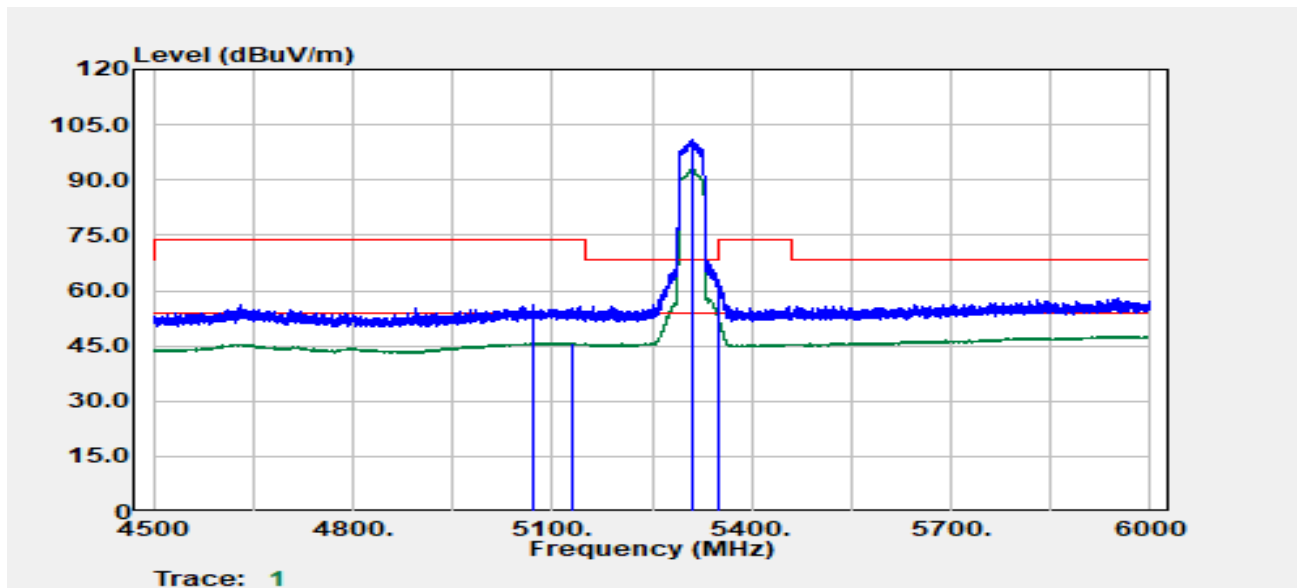


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
5058.59	Peak	42.19	13.68	55.86	74.00	-18.14
5114.60	Average	31.87	13.74	45.61	54.00	-8.39
5320.00	Peak	90.73	14.06	104.79	--	--
5320.00	Average	82.00	14.06	96.07	--	--
5351.39	Average	32.28	13.92	46.20	54.00	-7.80
5352.14	Peak	44.44	13.92	58.36	74.00	-15.64

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band2
Frequency :5310 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :15.5

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

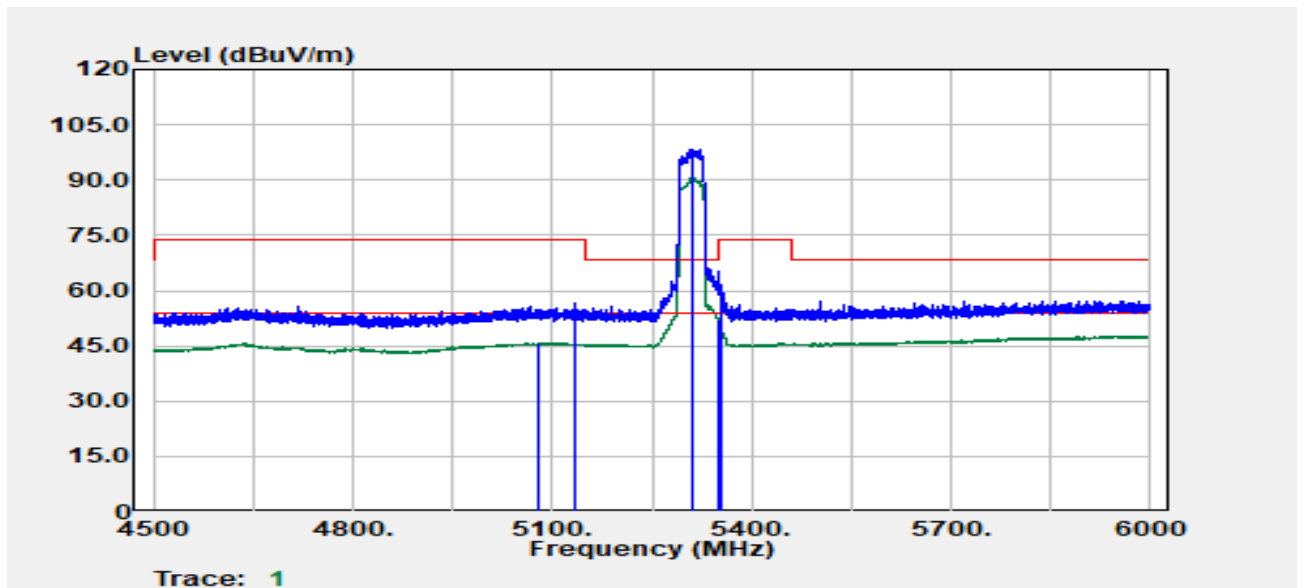


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5072.60	Peak	42.64	13.70	56.34	74.00	-17.66
5132.11	Average	31.99	13.74	45.73	54.00	-8.27
5310.00	Peak	86.74	14.11	100.85	--	--
5310.00	Average	78.69	14.11	92.80	--	--
5350.00	Average	38.72	13.91	52.63	54.00	-1.37
5351.39	Peak	48.93	13.92	62.85	74.00	-11.15

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band2
Frequency :5310 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :15.5

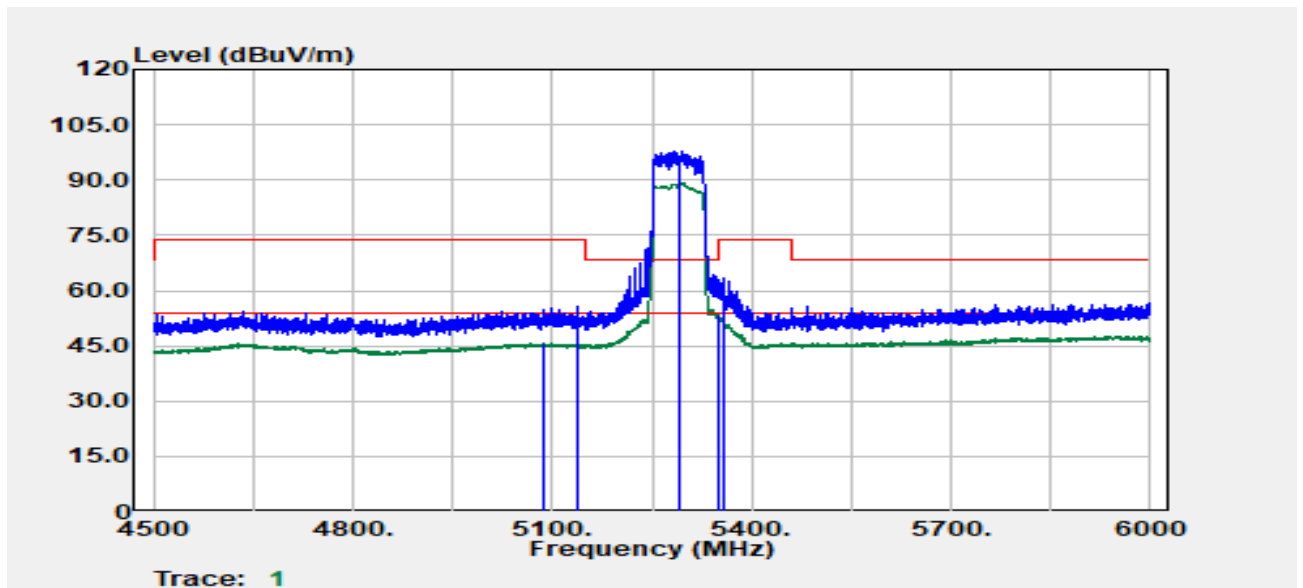
Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5079.35	Average	32.15	13.71	45.86	54.00	-8.14
5135.86	Peak	42.84	13.74	56.57	74.00	-17.43
5310.00	Peak	84.30	14.11	98.42	--	--
5310.00	Average	76.49	14.11	90.60	--	--
5350.14	Average	38.01	13.92	51.92	54.00	-2.08
5353.14	Peak	47.64	13.92	61.56	74.00	-12.44

Project No :TM-2405000413P
 Operation Band :802.11ac80/Band2
 Frequency :5290 MHz
 Operation Mode :Bandedge
 EUT Pol :H
 Setting :15.5

Test Date :2024-07-02
 Temp./Humi. :24.6/57
 Antenna Pol. :VERTICAL
 Engineer :Tony Chao
 Test Chamber : 966A

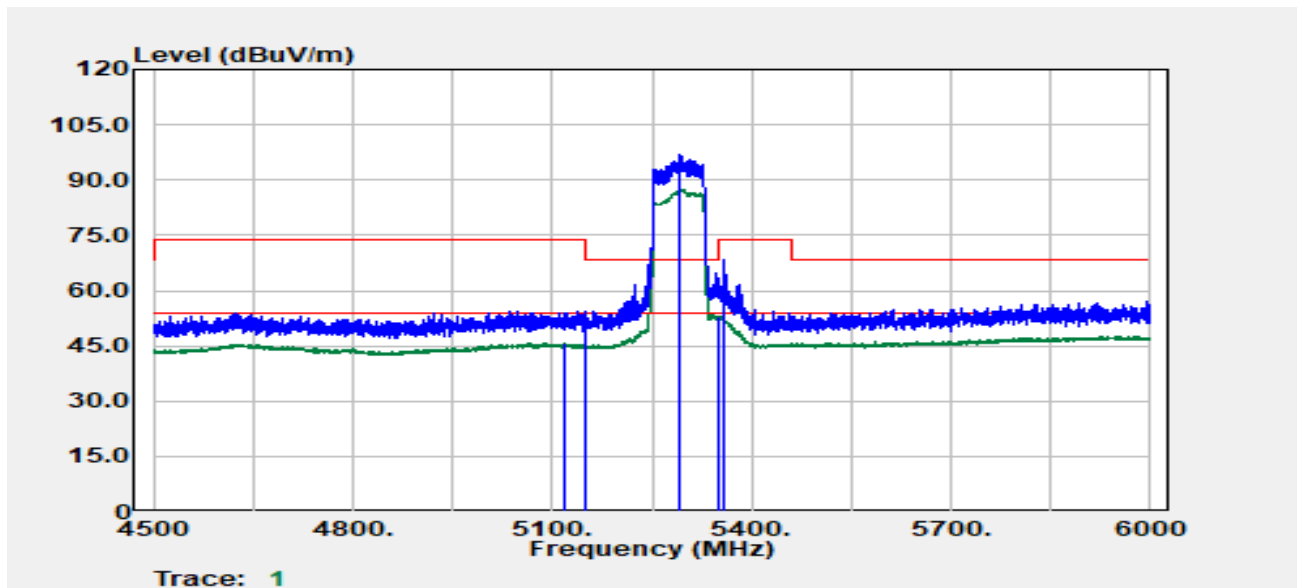


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5088.85	Average	31.89	13.73	45.62	54.00	-8.38
5136.86	Peak	41.77	13.74	55.50	74.00	-18.50
5290.00	Peak	81.85	14.11	95.96	--	--
5290.00	Average	75.24	14.11	89.35	--	--
5350.39	Average	39.41	13.92	53.33	54.00	-0.67
5357.64	Peak	49.47	13.93	63.41	74.00	-10.59

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band2
Frequency :5290 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :15.5

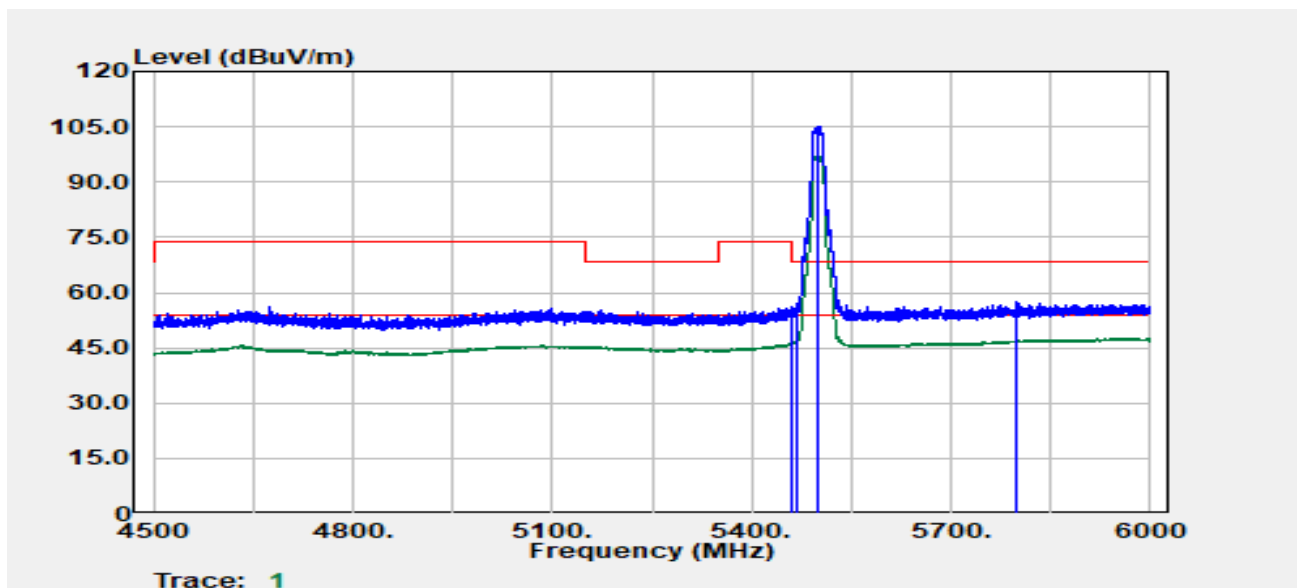
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5119.10	Average	31.90	13.74	45.64	54.00	-8.36
5149.36	Peak	40.49	13.73	54.22	74.00	-19.78
5290.00	Peak	83.32	14.11	97.44	--	--
5290.00	Average	73.26	14.11	87.38	--	--
5352.14	Average	39.08	13.92	53.00	54.00	-1.00
5358.64	Peak	54.66	13.94	68.60	74.00	-5.40

Project No :TM-2405000413P
 Operation Band :802.11a/Band3
 Frequency :5500 MHz
 Operation Mode :Bandedge
 EUT Pol :H
 Setting :20.5

Test Date :2024-07-01
 Temp./Humi. :24.6/57
 Antenna Pol. :VERTICAL
 Engineer :Tony Chao
 Test Chamber : 966A

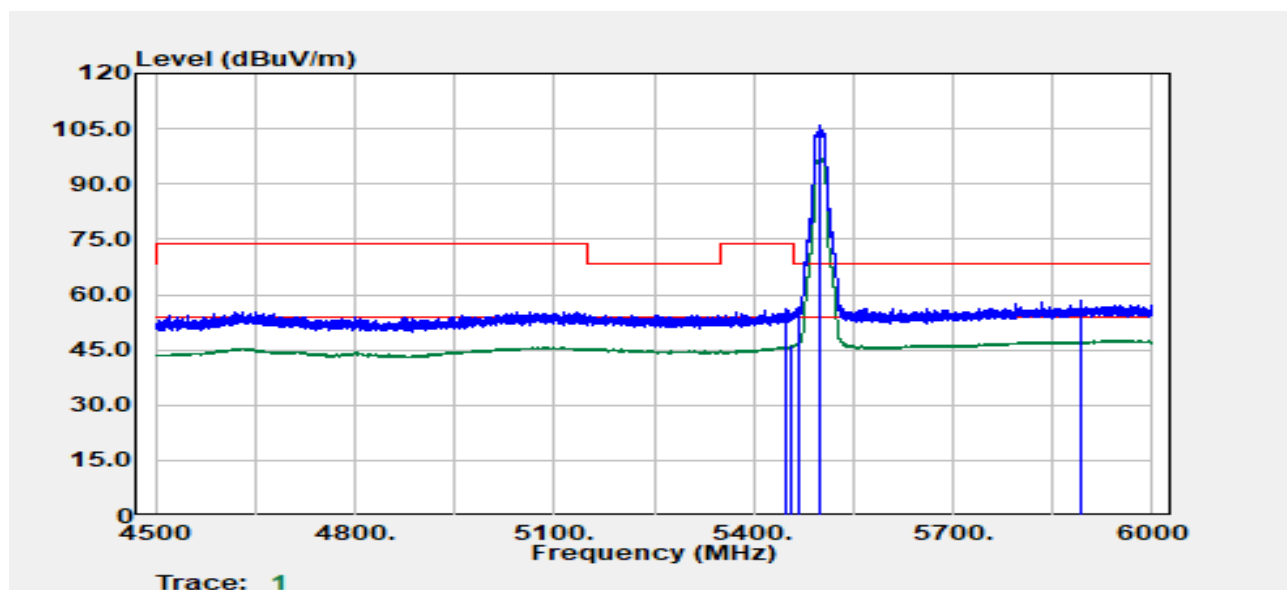


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5458.91	Peak	41.78	14.39	56.16	74.00	-17.84
5458.91	Average	31.70	14.39	46.09	54.00	-7.91
5468.91	Peak	42.60	14.36	56.96	68.20	-11.24
5500.00	Peak	90.92	14.27	105.19	--	--
5500.00	Average	83.09	14.27	97.36	--	--
5798.72	Peak	41.45	16.12	57.56	68.20	-10.64

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band3
Frequency :5500 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :20.5

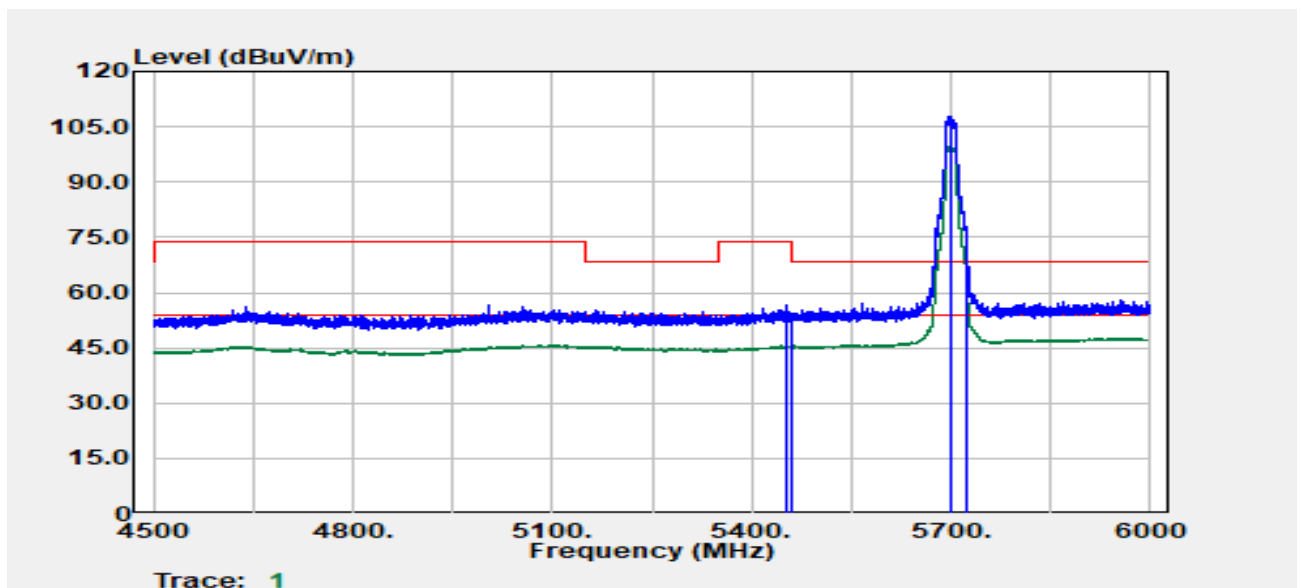
Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5449.41	Peak	41.54	14.41	55.95	74.00	-18.05
5455.41	Average	31.74	14.40	46.14	54.00	-7.86
5468.41	Peak	42.09	14.36	56.45	68.20	-11.75
5500.00	Peak	91.59	14.27	105.86	--	--
5500.00	Average	82.82	14.27	97.09	--	--
5893.73	Peak	42.35	15.92	58.27	68.20	-9.93

Project No :TM-2405000413P
Operation Band :802.11a/Band3
Frequency :5700 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :20

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

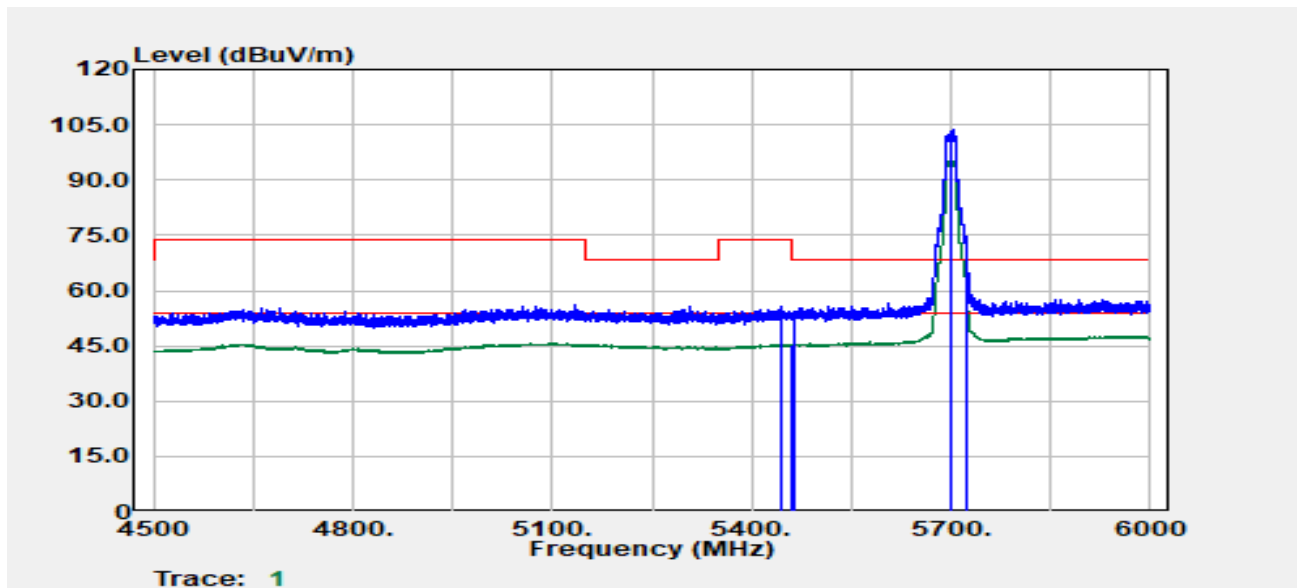


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5451.16	Average	31.17	14.41	45.58	54.00	-8.42
5451.41	Peak	42.22	14.41	56.63	74.00	-17.37
5459.91	Peak	40.12	14.39	54.51	74.00	-19.49
5700.00	Peak	92.09	15.63	107.72	--	--
5700.00	Average	84.19	15.63	99.82	--	--
5725.20	Peak	51.78	15.79	67.57	68.20	-0.63

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band3
Frequency :5700 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :20

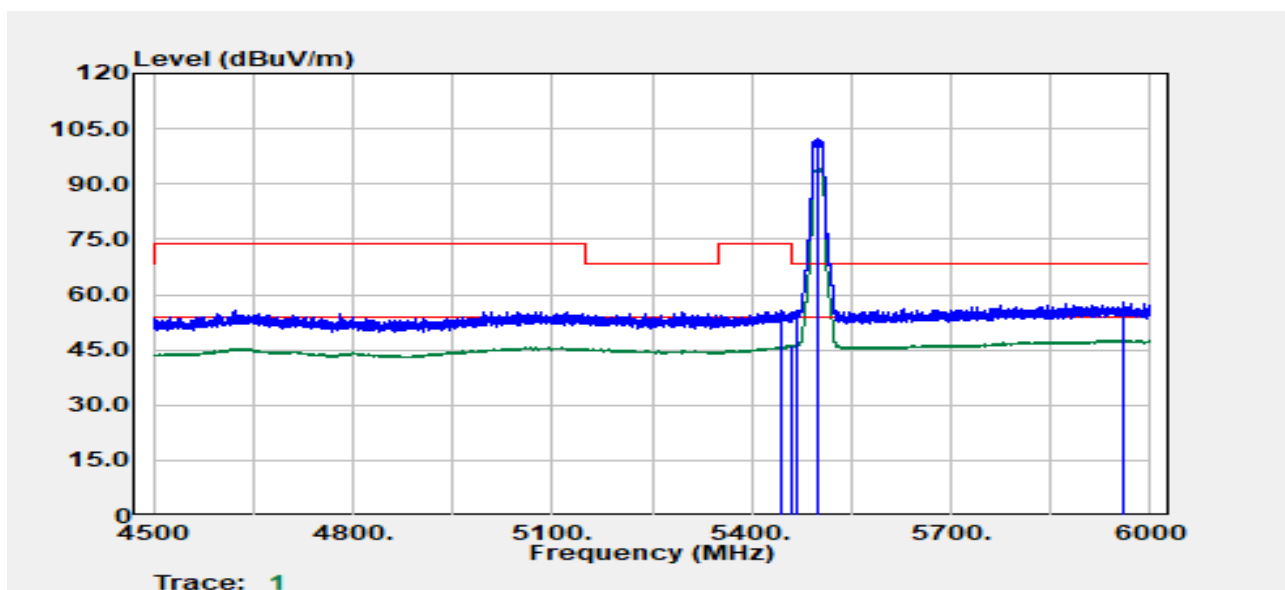
Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5443.66	Peak	41.11	14.37	55.48	74.00	-18.52
5458.41	Average	31.06	14.39	45.45	54.00	-8.55
5464.91	Peak	40.19	14.37	54.56	68.20	-13.64
5700.00	Peak	87.84	15.63	103.48	--	--
5700.00	Average	79.70	15.63	95.33	--	--
5725.00	Peak	50.52	15.79	66.30	68.20	-1.90

Project No :TM-2405000413P
Operation Band :802.11n20/Band3
Frequency :5500 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :19

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

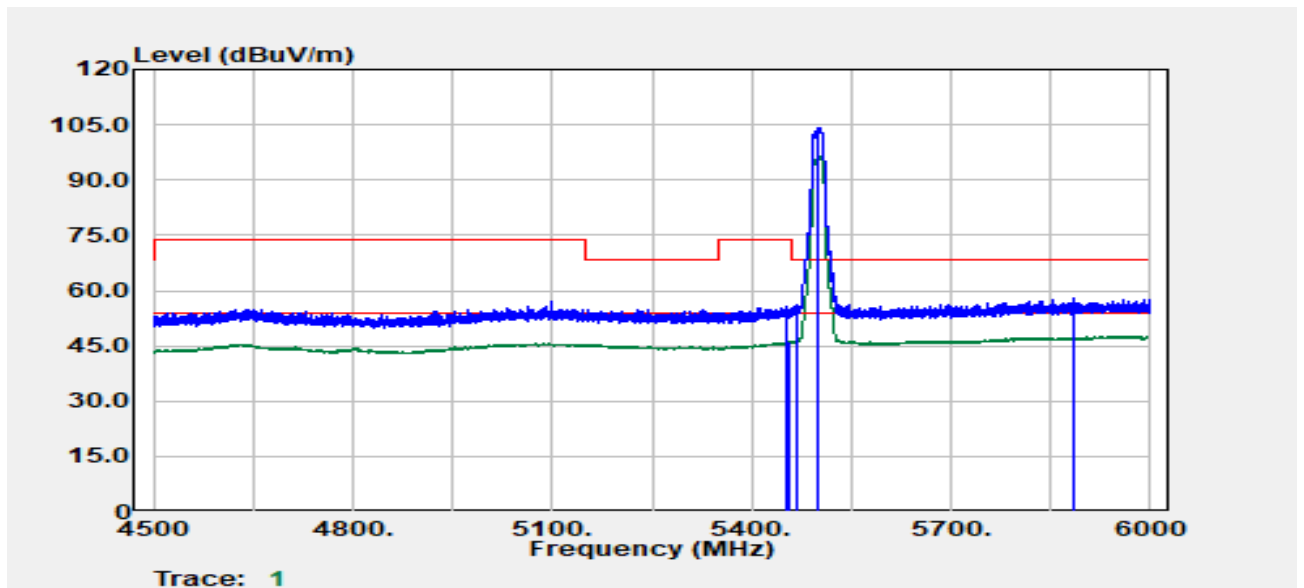


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5444.66	Peak	41.47	14.37	55.84	74.00	-18.16
5458.91	Average	31.63	14.39	46.02	54.00	-7.98
5468.16	Peak	41.33	14.36	55.69	68.20	-12.51
5500.00	Peak	88.26	14.27	102.53	--	--
5500.00	Average	79.94	14.27	94.21	--	--
5960.74	Peak	41.76	16.15	57.91	68.20	-10.29

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band3
Frequency :5500 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :19

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

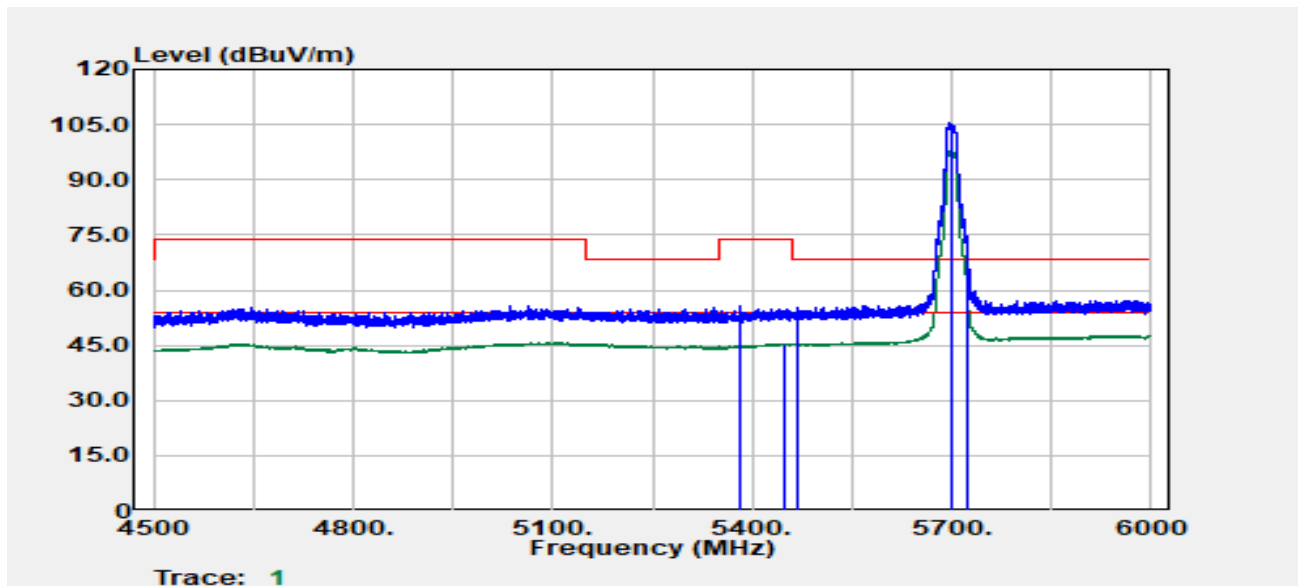


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5454.16	Peak	41.45	14.40	55.85	74.00	-18.15
5456.91	Average	31.67	14.40	46.06	54.00	-7.94
5467.66	Peak	41.63	14.36	55.99	68.20	-12.21
5500.00	Peak	89.97	14.27	104.24	--	--
5500.00	Average	82.27	14.27	96.54	--	--
5882.98	Peak	42.00	15.93	57.93	68.20	-10.27

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band3
Frequency :5700 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :19.5

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

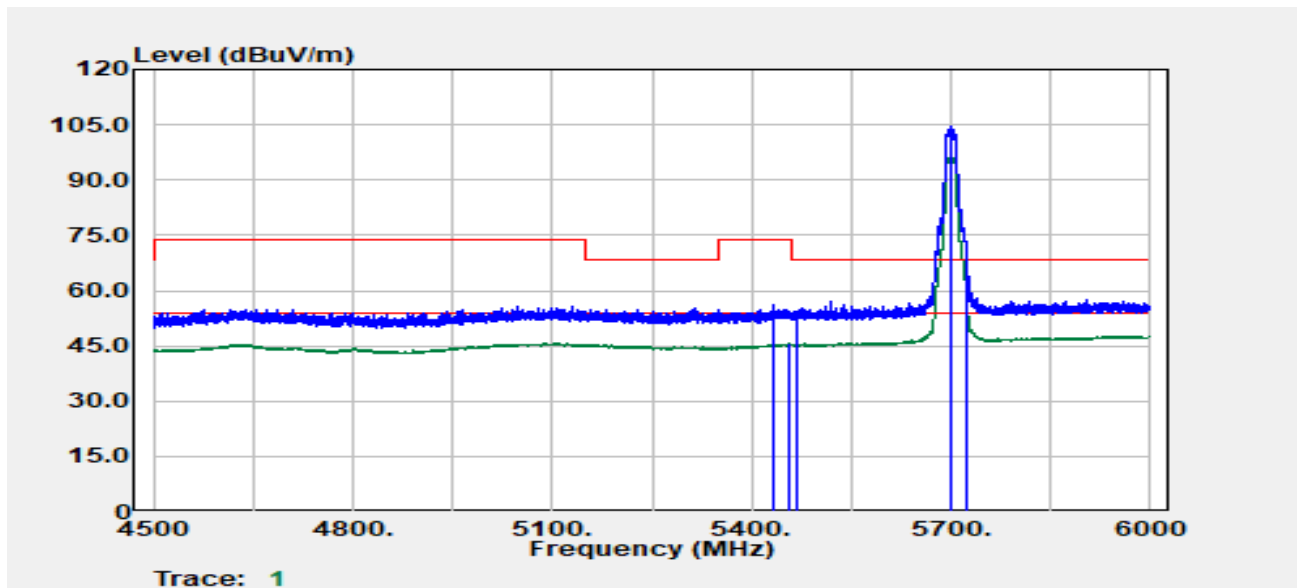


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5381.90	Peak	41.87	13.99	55.87	74.00	-18.13
5449.16	Average	30.98	14.41	45.39	54.00	-8.61
5468.66	Peak	40.76	14.36	55.12	68.20	-13.08
5700.00	Peak	90.00	15.63	105.63	--	--
5700.00	Average	82.22	15.63	97.85	--	--
5725.20	Peak	50.70	15.79	66.49	68.20	-1.71

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band3
Frequency :5700 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :19.5

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

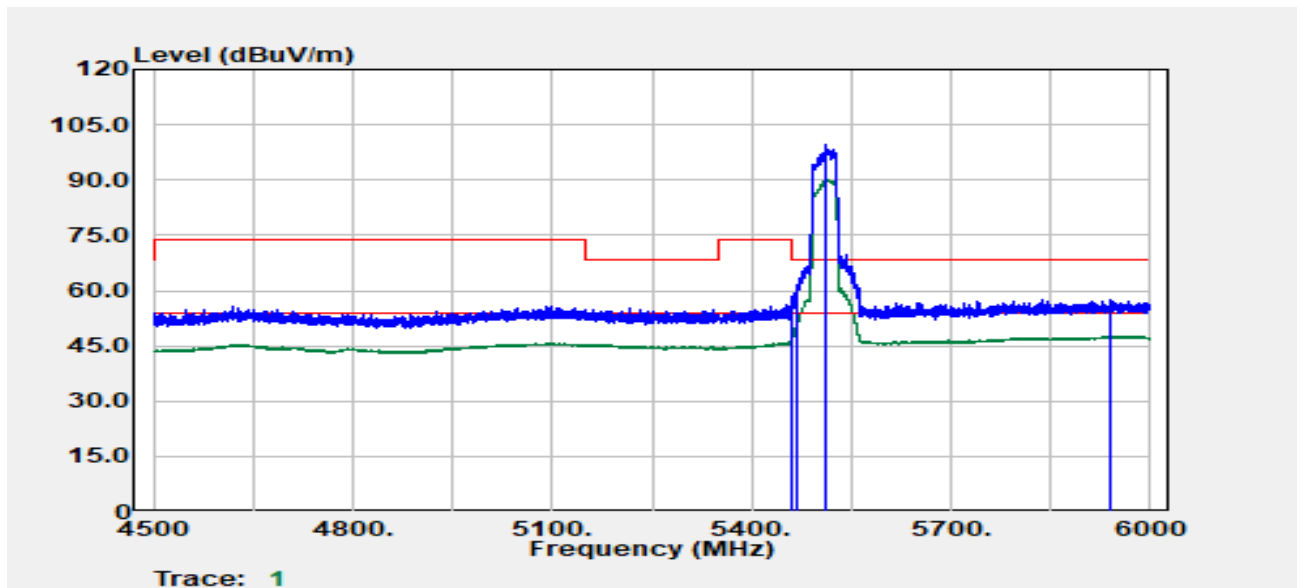


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5433.91	Peak	41.67	14.29	55.96	74.00	-18.04
5454.66	Average	31.16	14.40	45.56	54.00	-8.44
5466.16	Peak	39.96	14.37	54.33	68.20	-13.87
5700.00	Peak	88.86	15.63	104.49	--	--
5700.00	Average	80.64	15.63	96.27	--	--
5725.00	Peak	49.84	15.79	65.63	68.20	-2.57

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band3
Frequency :5510 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :18

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

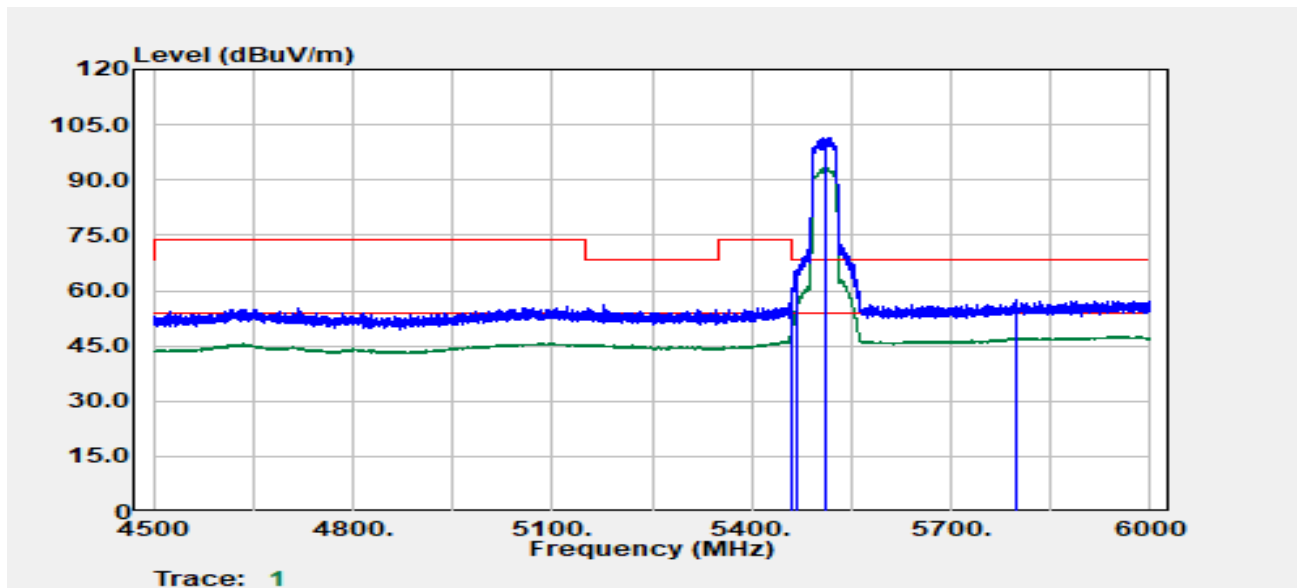


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
5459.91	Peak	42.09	14.39	56.48	74.00	-17.52
5459.91	Average	32.28	14.39	46.66	54.00	-7.34
5467.66	Peak	47.13	14.36	61.49	68.20	-6.71
5510.00	Peak	85.38	14.31	99.69	--	--
5510.00	Average	76.09	14.31	90.39	--	--
5938.49	Peak	41.40	16.11	57.51	68.20	-10.69

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band3
Frequency :5510 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :18

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

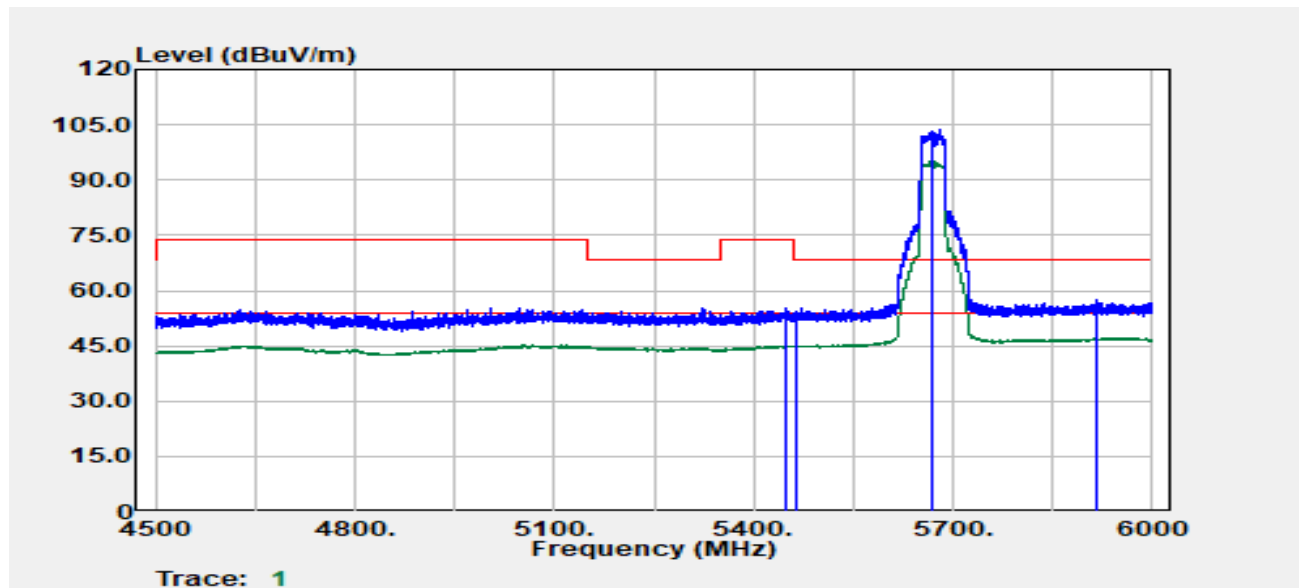


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
5459.66	Average	34.81	14.39	49.19	54.00	-4.81
5459.91	Peak	45.89	14.39	60.27	74.00	-13.73
5469.41	Peak	51.12	14.36	65.48	68.20	-2.72
5510.00	Peak	87.22	14.31	101.53	--	--
5510.00	Average	79.02	14.31	93.32	--	--
5798.97	Peak	41.34	16.12	57.45	68.20	-10.75

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band3
Frequency :5670 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :19.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

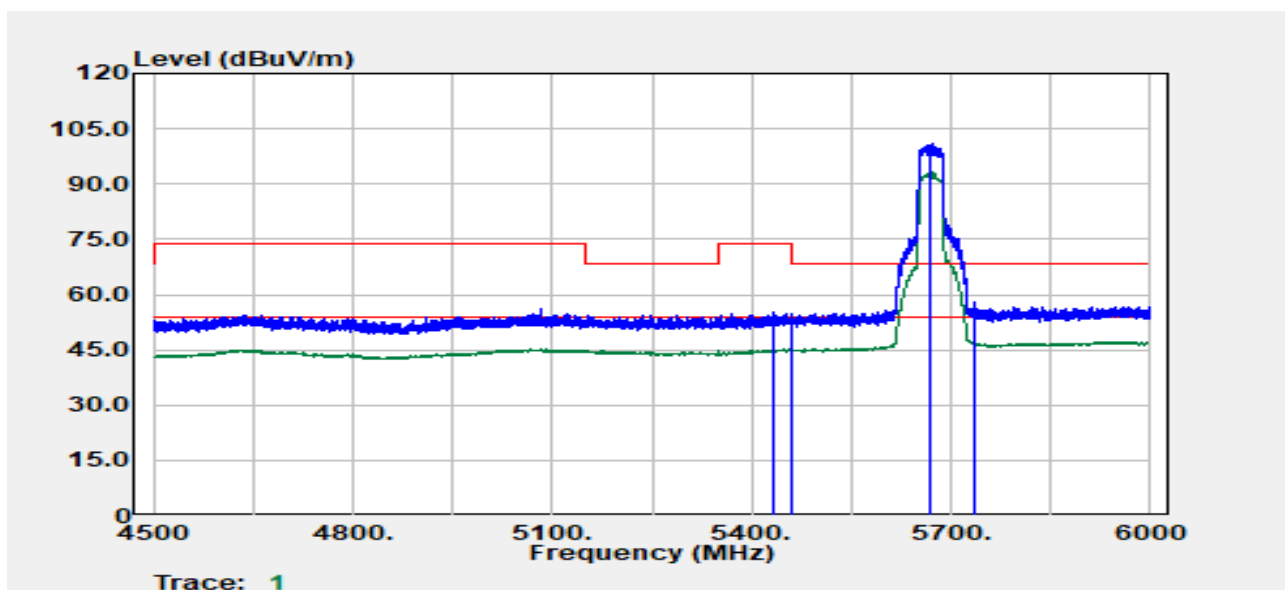


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5448.66	Peak	41.01	14.40	55.42	74.00	-18.58
5449.16	Average	30.66	14.41	45.07	54.00	-8.93
5465.41	Peak	40.13	14.37	54.50	68.20	-13.70
5670.00	Peak	88.24	15.35	103.59	--	--
5670.00	Average	79.72	15.35	95.07	--	--
5915.74	Peak	41.57	16.00	57.57	68.20	-10.63

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band3
Frequency :5670 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :19.5

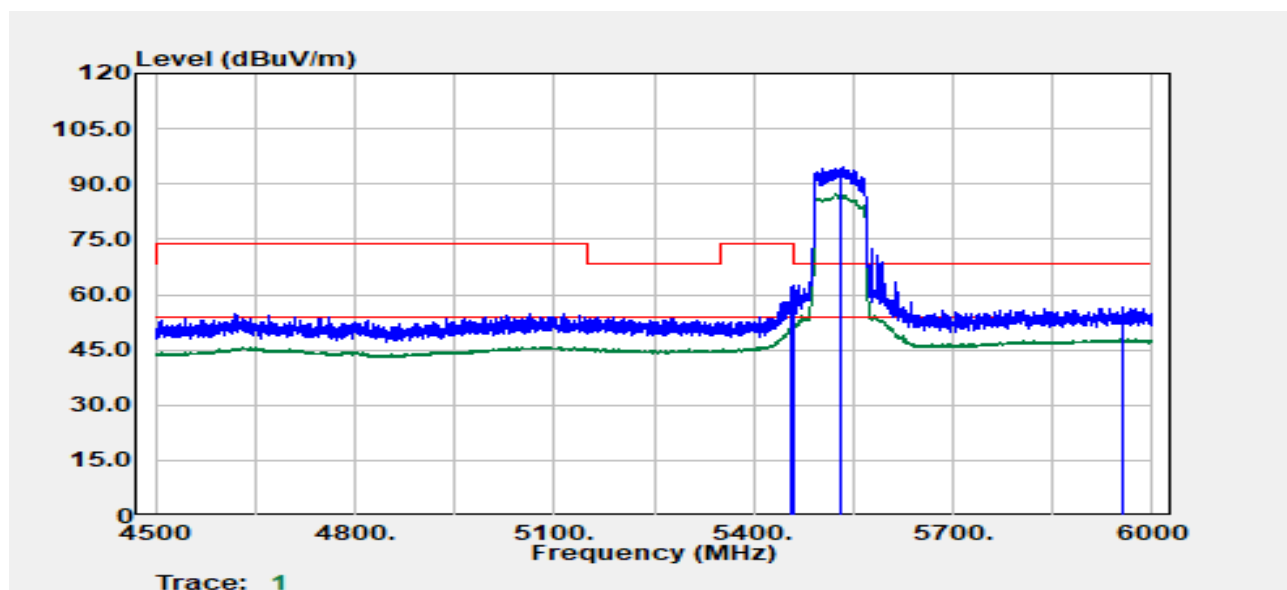
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5433.16	Peak	40.94	14.29	55.23	74.00	-18.77
5458.66	Average	30.72	14.39	45.11	54.00	-8.89
5461.16	Peak	40.51	14.38	54.90	68.20	-13.30
5670.00	Peak	85.42	15.35	100.77	--	--
5670.00	Average	77.73	15.35	93.08	--	--
5737.21	Peak	42.21	15.86	58.07	68.20	-10.13

Project No :TM-2405000413P
Operation Band :802.11ac80/Band3
Frequency :5530 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :17.5

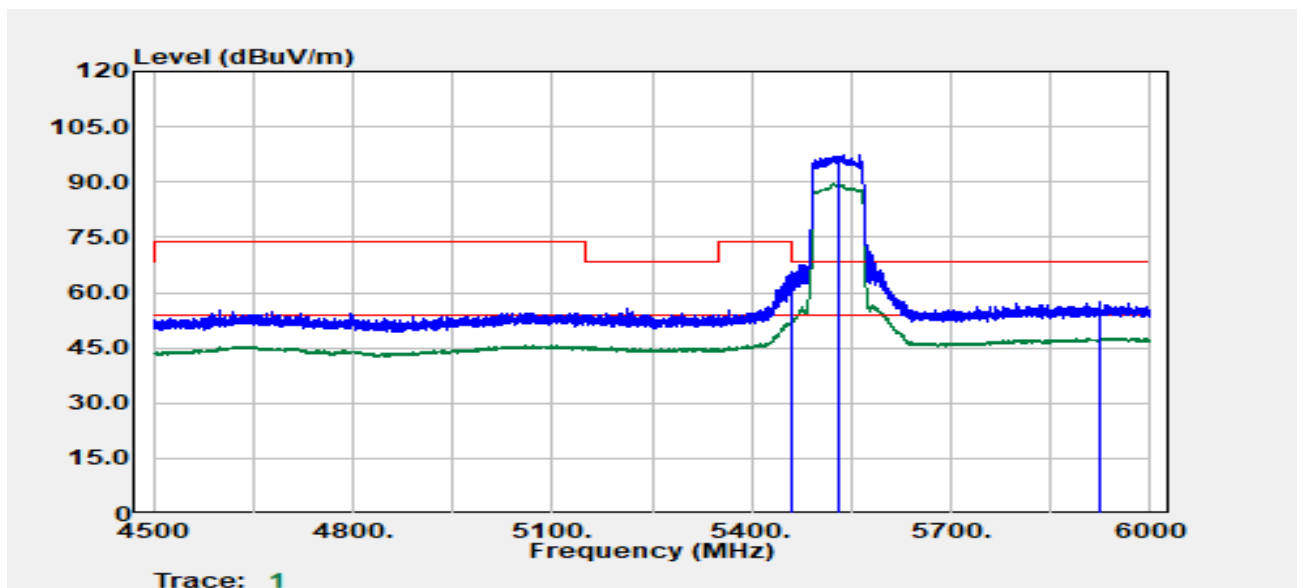
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5458.02	Peak	47.78	14.39	62.17	74.00	-11.83
5459.27	Average	36.74	14.39	51.13	54.00	-2.87
5461.02	Peak	48.25	14.38	62.64	68.20	-5.56
5530.00	Peak	80.24	14.38	94.62	--	--
5530.00	Average	72.85	14.38	87.23	--	--
5954.27	Peak	40.43	16.16	56.59	68.20	-11.61

Project No :TM-2405000413P
Operation Band :802.11ac80/Band3
Frequency :5530 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :17.5

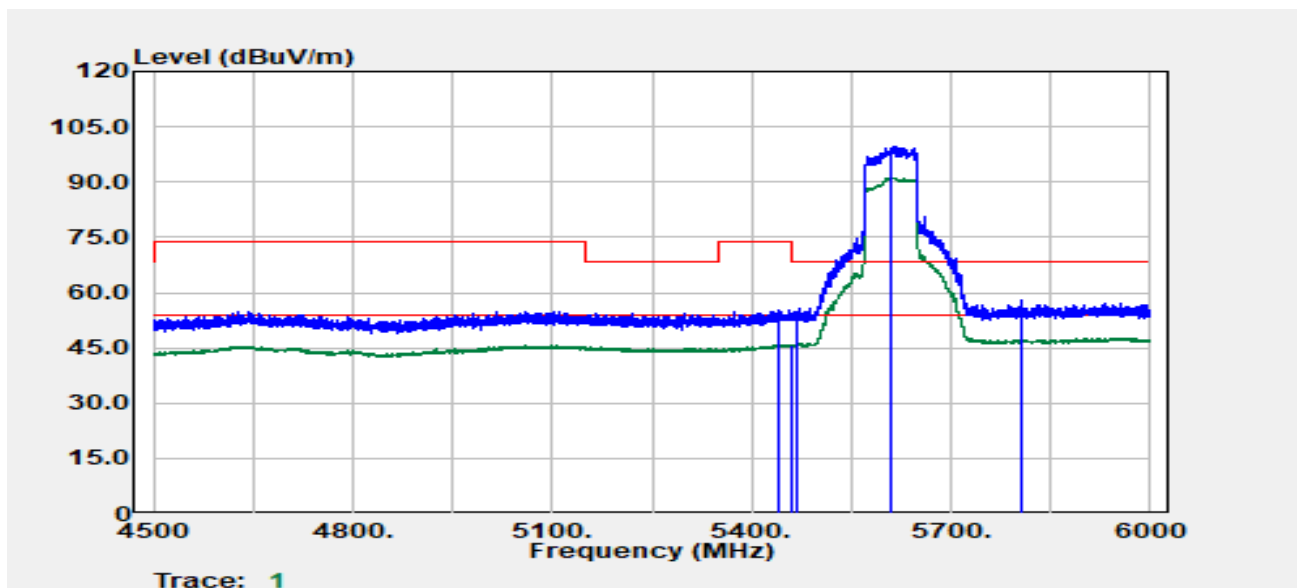
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5459.27	Peak	51.22	14.39	65.61	74.00	-8.39
5460.00	Average	38.26	14.39	52.65	54.00	-1.35
5462.02	Peak	51.50	14.38	65.88	68.20	-2.32
5530.00	Peak	83.14	14.38	97.52	--	--
5530.00	Average	75.33	14.38	89.71	--	--
5924.29	Peak	41.49	16.04	57.53	68.20	-10.67

Project No :TM-2405000413P
Operation Band :802.11ac80/Band3
Frequency :5610 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :20.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

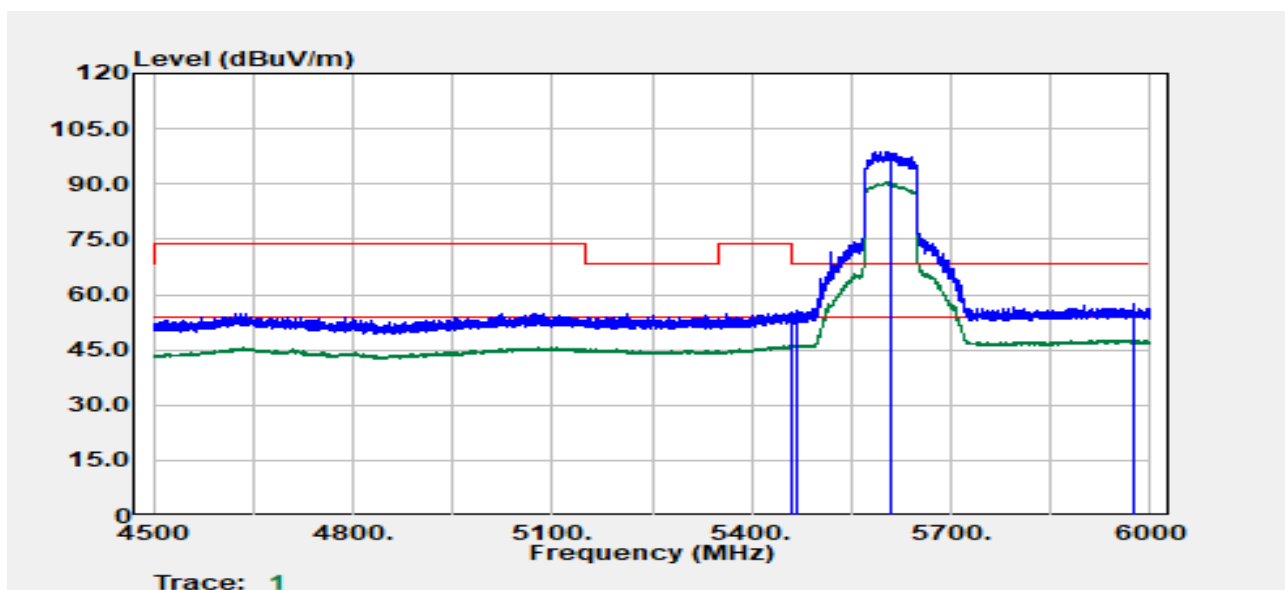


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5439.16	Peak	40.85	14.33	55.19	74.00	-18.81
5459.66	Average	31.52	14.39	45.91	54.00	-8.09
5466.66	Peak	40.57	14.37	54.94	68.20	-13.26
5610.00	Peak	85.03	14.77	99.79	--	--
5610.00	Average	76.45	14.77	91.22	--	--
5804.22	Peak	41.66	16.11	57.77	68.20	-10.43

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band3
Frequency :5610 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :20.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

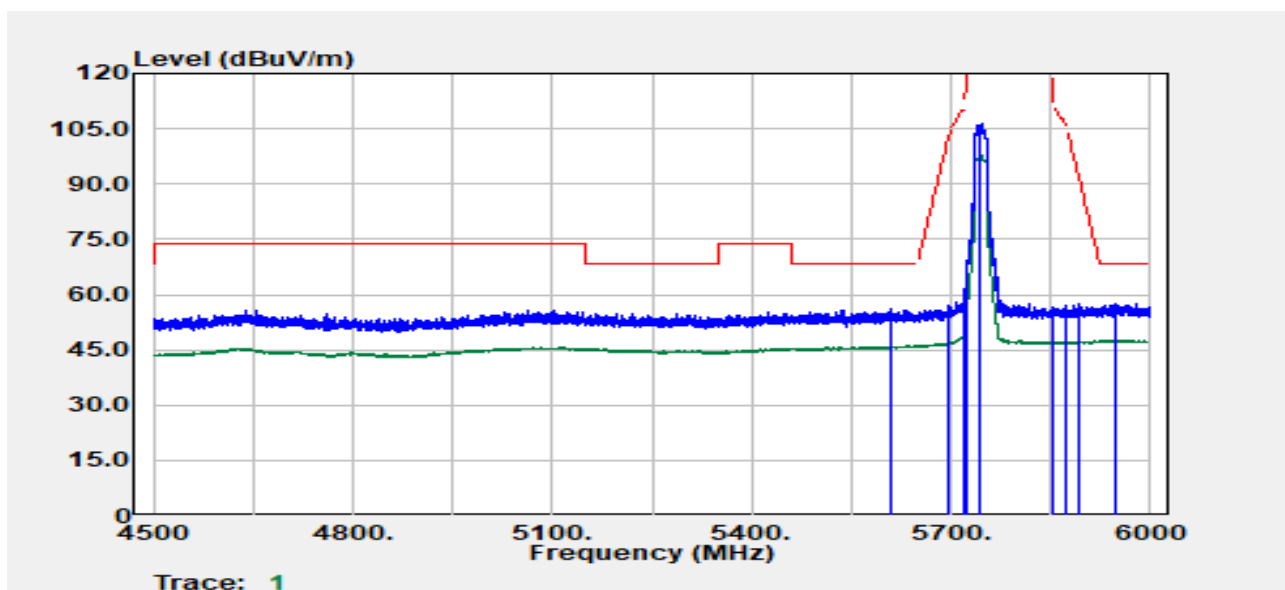


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5458.66	Average	31.72	14.39	46.11	54.00	-7.89
5459.91	Peak	40.44	14.39	54.83	74.00	-19.17
5469.41	Peak	41.46	14.36	55.82	68.20	-12.38
5610.00	Peak	84.17	14.77	98.94	--	--
5610.00	Average	75.90	14.77	90.67	--	--
5974.75	Peak	41.16	16.13	57.29	68.20	-10.91

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band4
Frequency :5745 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :21

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

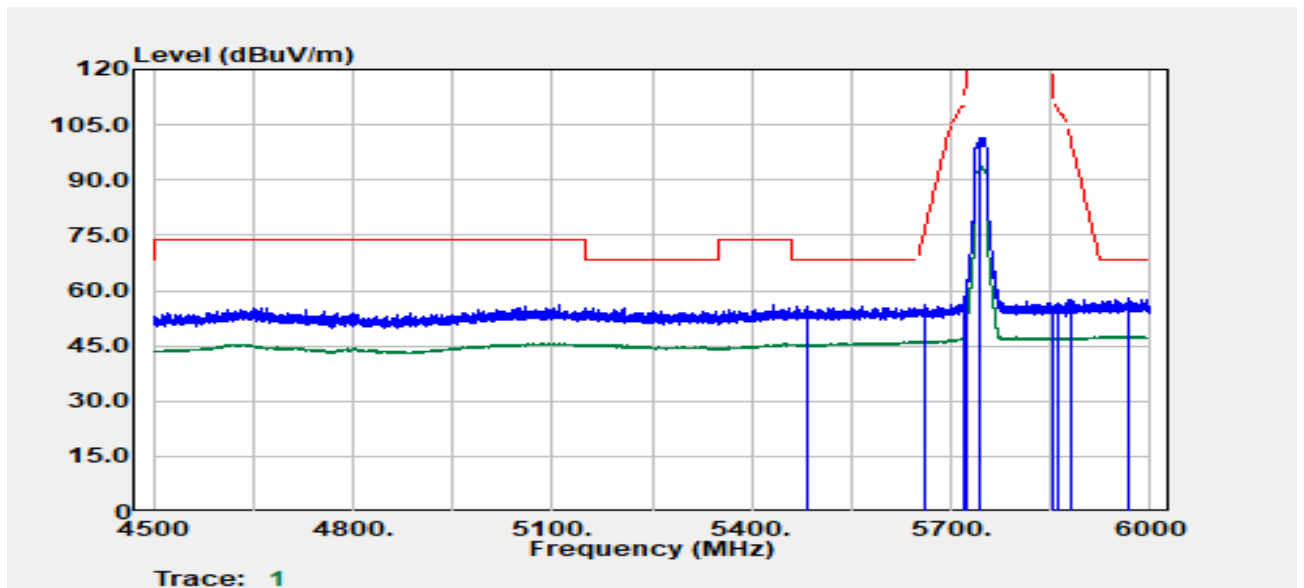


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5608.44	Peak	41.53	14.75	56.28	68.20	-11.92
5696.45	Peak	41.65	15.60	57.25	102.58	-45.34
5719.95	Peak	43.69	15.75	59.44	110.79	-51.35
5724.95	Peak	53.53	15.78	69.32	122.10	-52.78
5745.00	Peak	90.64	15.91	106.55	--	--
5745.00	Average	82.20	15.91	98.11	--	--
5851.23	Peak	40.48	15.94	56.42	119.41	-62.99
5870.98	Peak	41.05	15.93	56.99	106.32	-49.34
5892.23	Peak	41.70	15.92	57.63	92.41	-34.78
5946.99	Peak	41.27	16.15	57.42	68.20	-10.78

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band4
Frequency :5745 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :21

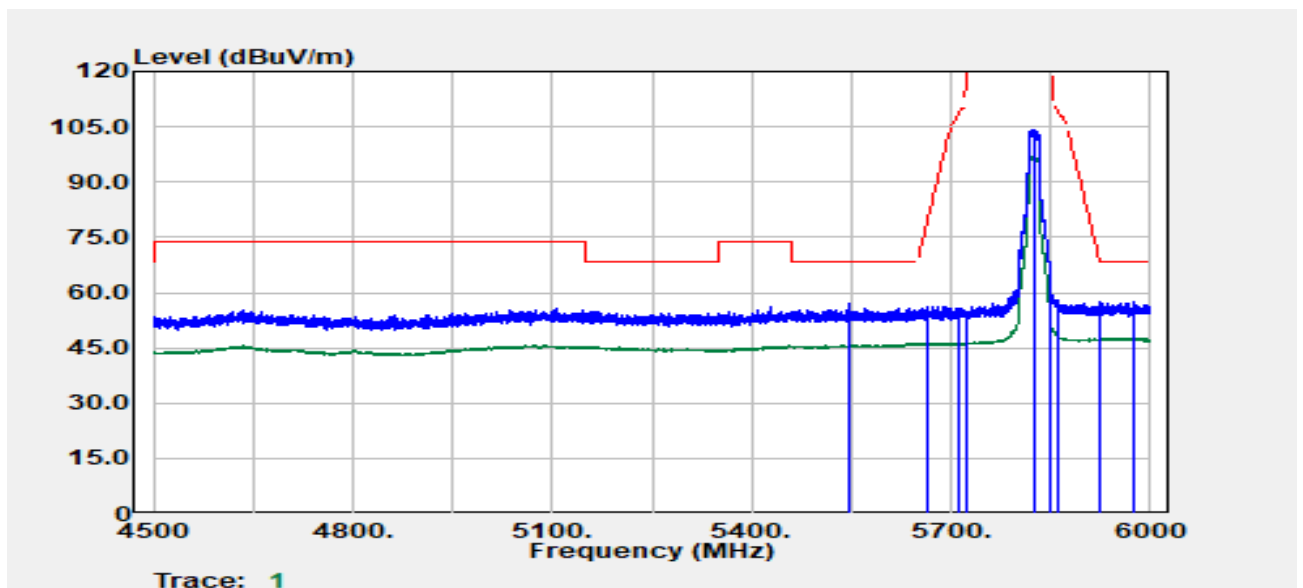
Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5482.16	Peak	41.57	14.32	55.89	68.20	-12.31
5660.44	Peak	40.68	15.26	55.95	75.95	-20.01
5719.95	Peak	40.48	15.75	56.24	110.79	-54.55
5723.95	Peak	45.65	15.78	61.43	119.82	-58.38
5745.00	Peak	85.71	15.91	101.62	--	--
5745.00	Average	77.85	15.91	93.76	--	--
5852.23	Peak	39.90	15.94	55.84	117.12	-61.28
5859.23	Peak	40.76	15.94	56.70	109.61	-52.91
5881.73	Peak	41.75	15.93	57.68	100.20	-42.52
5966.75	Peak	41.61	16.14	57.75	68.20	-10.45

Project No :TM-2405000413P
Operation Band :802.11a/Band4
Frequency :5825 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :21.5

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

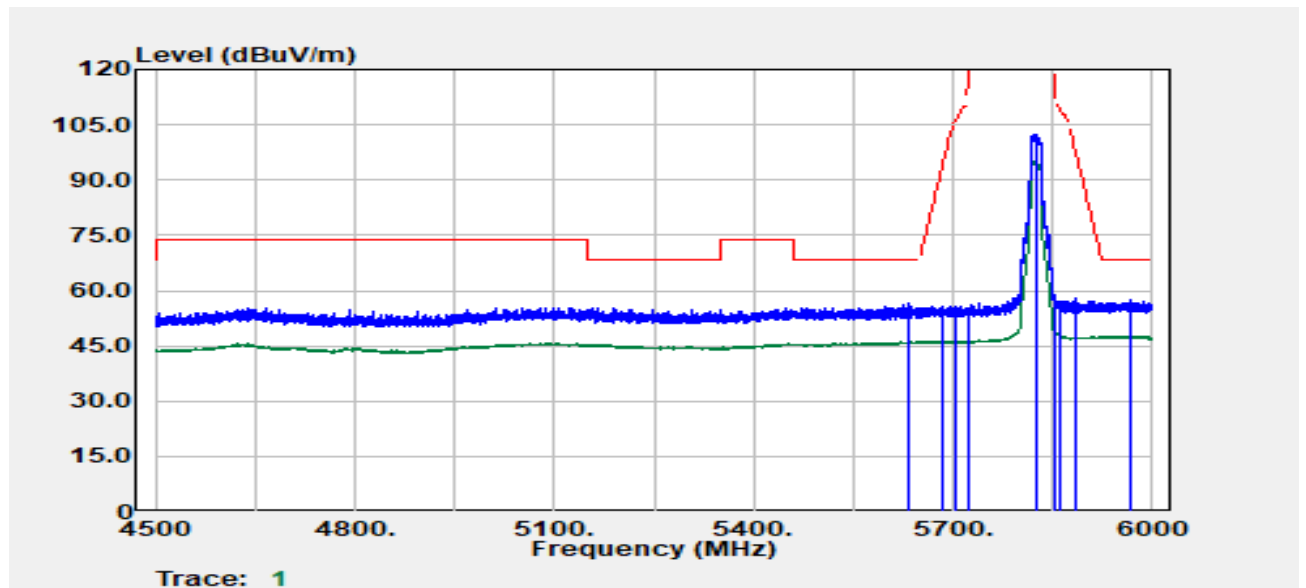


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5547.68	Peak	42.49	14.44	56.93	68.20	-11.27
5666.19	Peak	40.86	15.32	56.18	80.22	-24.04
5711.70	Peak	40.04	15.70	55.75	108.48	-52.73
5723.20	Peak	39.13	15.77	54.91	118.11	-63.20
5825.00	Peak	88.33	16.03	104.36	--	--
5825.00	Average	80.82	16.03	96.85	--	--
5850.00	Peak	43.59	15.95	59.53	122.20	-62.67
5861.48	Peak	42.19	15.94	58.13	108.98	-50.85
5922.99	Peak	41.41	16.03	57.45	69.68	-12.24
5973.50	Peak	41.31	16.13	57.44	68.20	-10.76

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band4
Frequency :5825 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :21.5

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

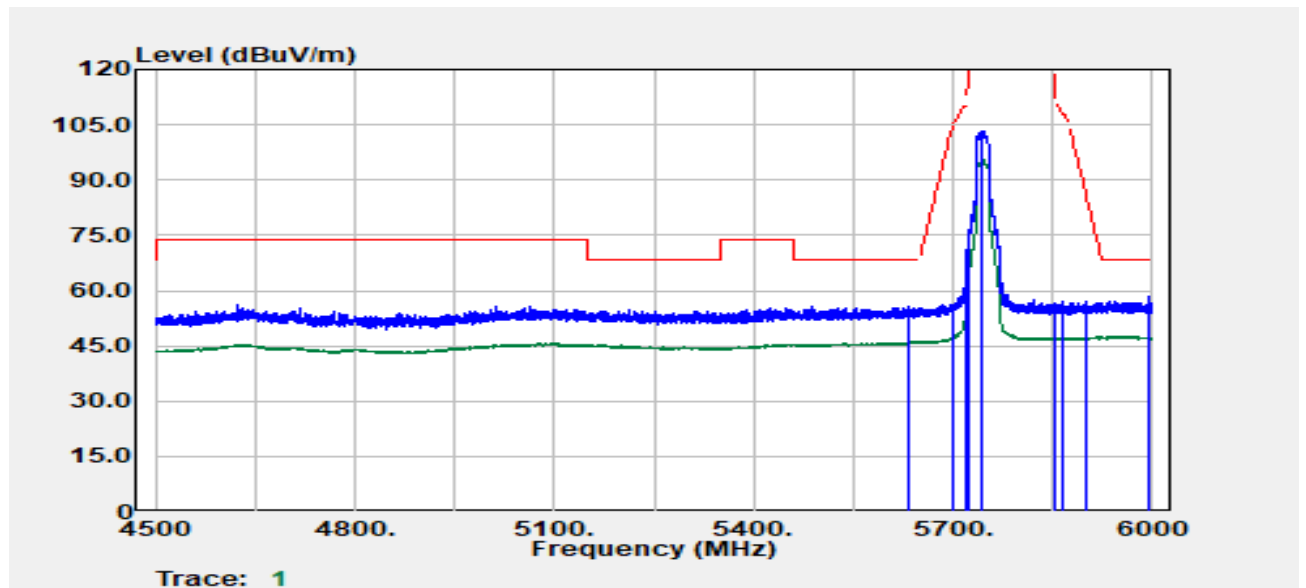


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5633.94	Peak	41.59	15.01	56.60	68.20	-11.60
5685.20	Peak	40.22	15.49	55.71	94.28	-38.57
5703.45	Peak	40.22	15.65	55.87	106.17	-50.30
5722.45	Peak	39.33	15.77	55.10	116.40	-61.30
5825.00	Peak	86.27	16.03	102.30	--	--
5825.00	Average	79.32	16.03	95.35	--	--
5851.98	Peak	42.96	15.94	58.91	117.70	-58.79
5861.98	Peak	41.29	15.94	57.23	108.84	-51.61
5884.48	Peak	42.05	15.93	57.98	98.16	-40.18
5967.75	Peak	41.32	16.14	57.46	68.20	-10.74

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band4
Frequency :5745 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :20

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

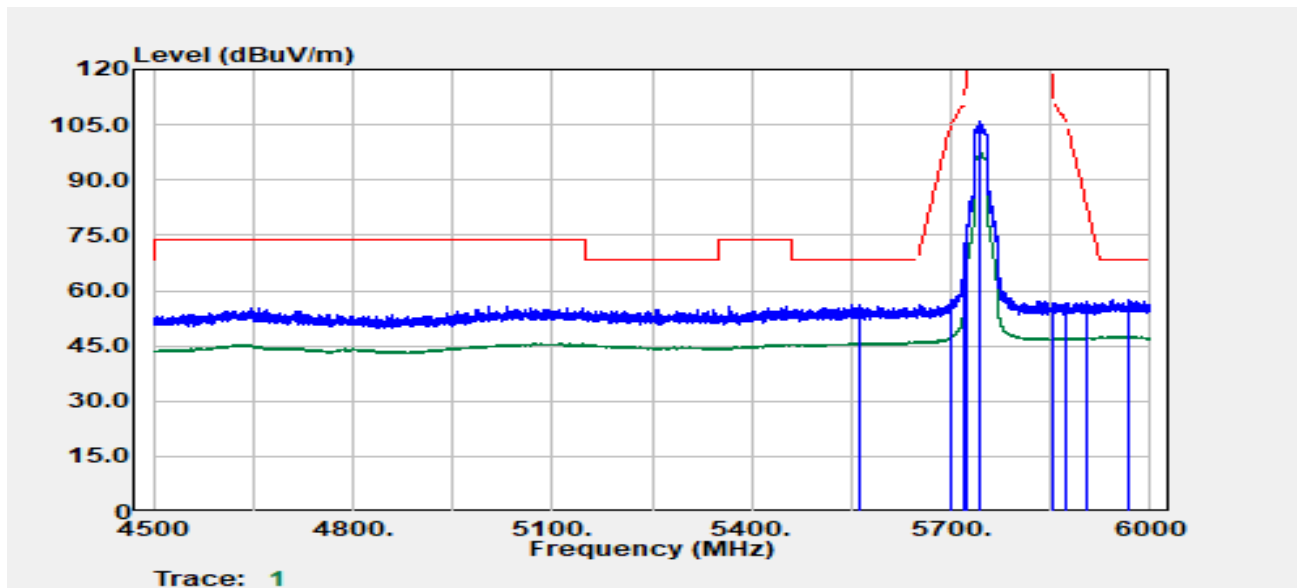


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5632.69	Peak	40.65	14.99	55.64	68.20	-12.56
5699.95	Peak	40.74	15.63	56.37	105.16	-48.79
5719.70	Peak	51.48	15.75	67.24	110.72	-43.48
5724.95	Peak	59.87	15.78	75.66	122.10	-46.44
5745.00	Peak	87.35	15.91	103.26	--	--
5745.00	Average	79.53	15.91	95.44	--	--
5852.48	Peak	40.28	15.94	56.23	116.55	-60.33
5863.23	Peak	41.19	15.94	57.13	108.49	-51.37
5898.73	Peak	40.98	15.92	56.90	87.60	-30.70
5994.25	Peak	42.17	16.10	58.27	68.20	-9.93

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band4
Frequency :5745 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :20

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

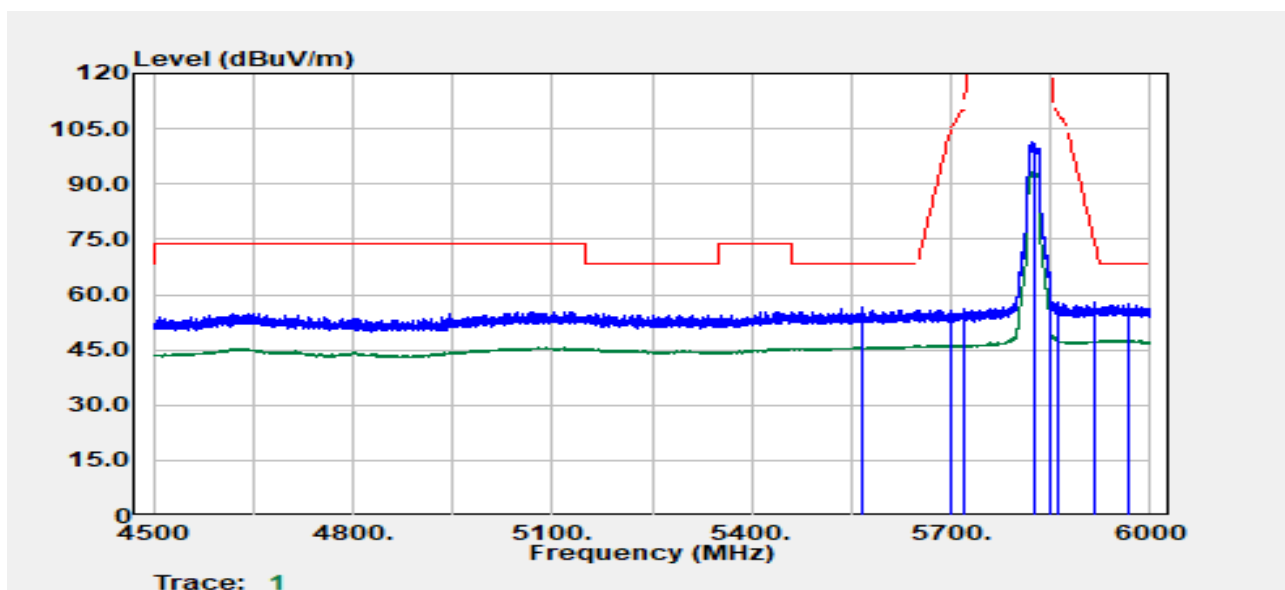


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5563.93	Peak	41.43	14.51	55.95	68.20	-12.25
5699.45	Peak	40.92	15.63	56.55	104.79	-48.25
5719.95	Peak	53.73	15.75	69.48	110.79	-41.30
5724.70	Peak	62.26	15.78	78.04	121.53	-43.48
5745.00	Peak	89.92	15.91	105.83	--	--
5745.00	Average	81.38	15.91	97.28	--	--
5853.23	Peak	40.43	15.94	56.38	114.84	-58.47
5871.23	Peak	40.85	15.93	56.79	106.25	-49.47
5903.73	Peak	41.12	15.94	57.06	83.90	-26.84
5967.25	Peak	41.49	16.14	57.63	68.20	-10.57

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band4
Frequency :5825 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :20.5

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

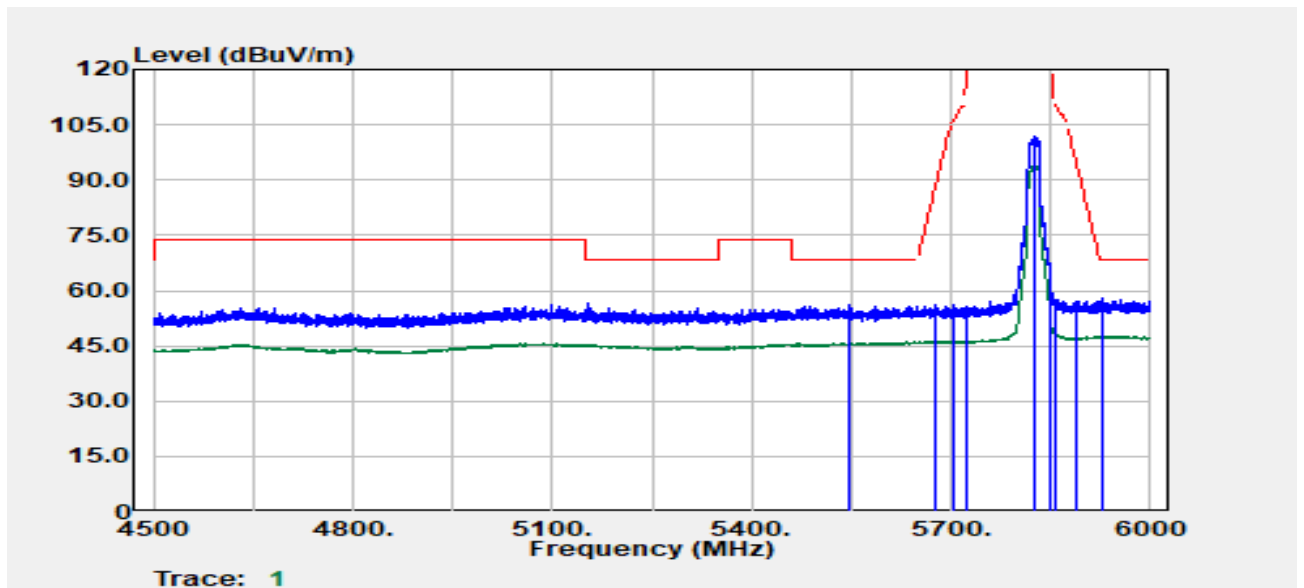


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5564.43	Peak	42.14	14.51	56.65	68.20	-11.55
5699.20	Peak	40.29	15.62	55.91	104.61	-48.70
5718.70	Peak	40.35	15.75	56.09	110.44	-54.34
5720.45	Peak	39.55	15.76	55.31	111.84	-56.52
5825.00	Peak	85.29	16.03	101.33	--	--
5825.00	Average	77.33	16.03	93.37	--	--
5850.73	Peak	44.32	15.94	60.26	120.55	-60.29
5860.98	Peak	41.96	15.94	57.90	109.12	-51.22
5917.99	Peak	42.00	16.01	58.01	73.37	-15.36
5968.50	Peak	41.25	16.14	57.39	68.20	-10.81

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band4
Frequency :5825 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :20.5

Test Date :2024-07-01
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

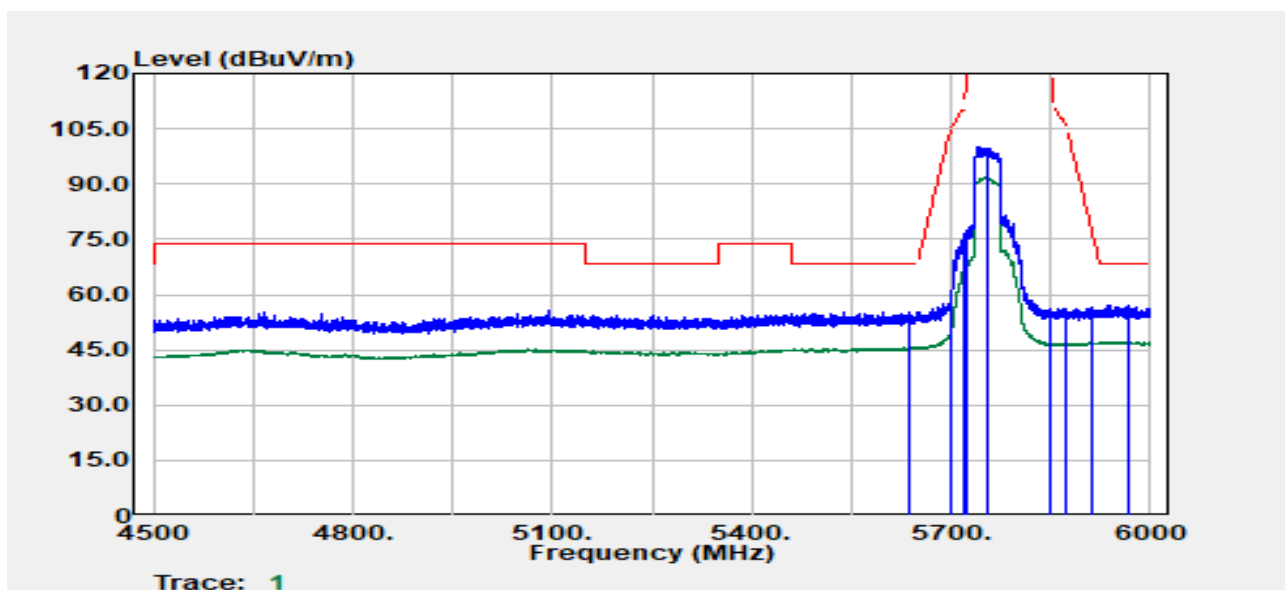


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5547.17	Peak	41.51	14.44	55.95	68.20	-12.25
5676.70	Peak	40.95	15.41	56.37	88.00	-31.63
5705.45	Peak	40.36	15.66	56.03	106.73	-50.70
5721.70	Peak	39.79	15.76	55.56	114.69	-59.13
5825.00	Peak	86.00	16.03	102.03	--	--
5825.00	Average	78.17	16.03	94.20	--	--
5850.00	Peak	45.80	15.95	61.74	122.20	-60.46
5858.23	Peak	41.71	15.94	57.65	109.90	-52.24
5889.23	Peak	41.20	15.93	57.13	94.64	-37.51
5926.49	Peak	42.06	16.05	58.11	68.20	-10.09

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band4
Frequency :5755 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :19.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

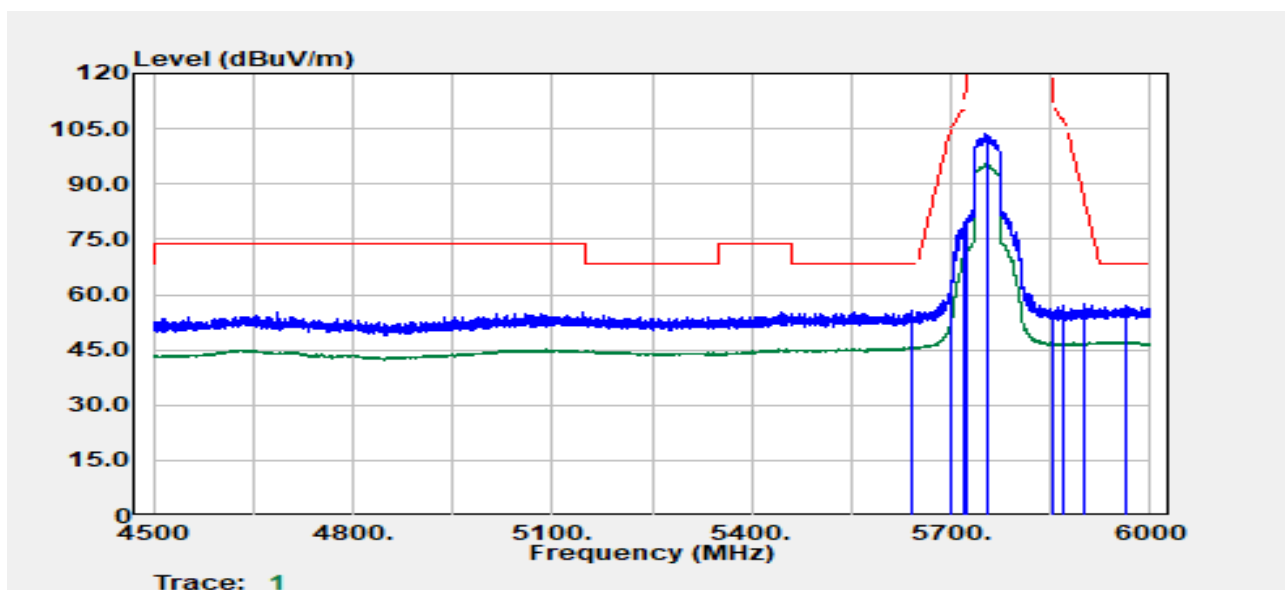


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5638.69	Peak	40.40	15.05	55.45	68.20	-12.75
5699.45	Peak	43.63	15.63	59.26	104.79	-45.54
5719.20	Peak	60.58	15.75	76.33	110.58	-34.25
5723.70	Peak	61.37	15.78	77.15	119.25	-42.10
5755.00	Peak	84.23	15.96	100.19	--	--
5755.00	Average	76.01	15.96	91.97	--	--
5850.00	Peak	40.09	15.95	56.04	122.20	-66.16
5871.23	Peak	40.14	15.93	56.07	106.25	-50.18
5911.49	Peak	40.52	15.98	56.49	78.17	-21.68
5966.24	Peak	40.88	16.14	57.02	68.20	-11.18

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band4
Frequency :5755 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :19.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

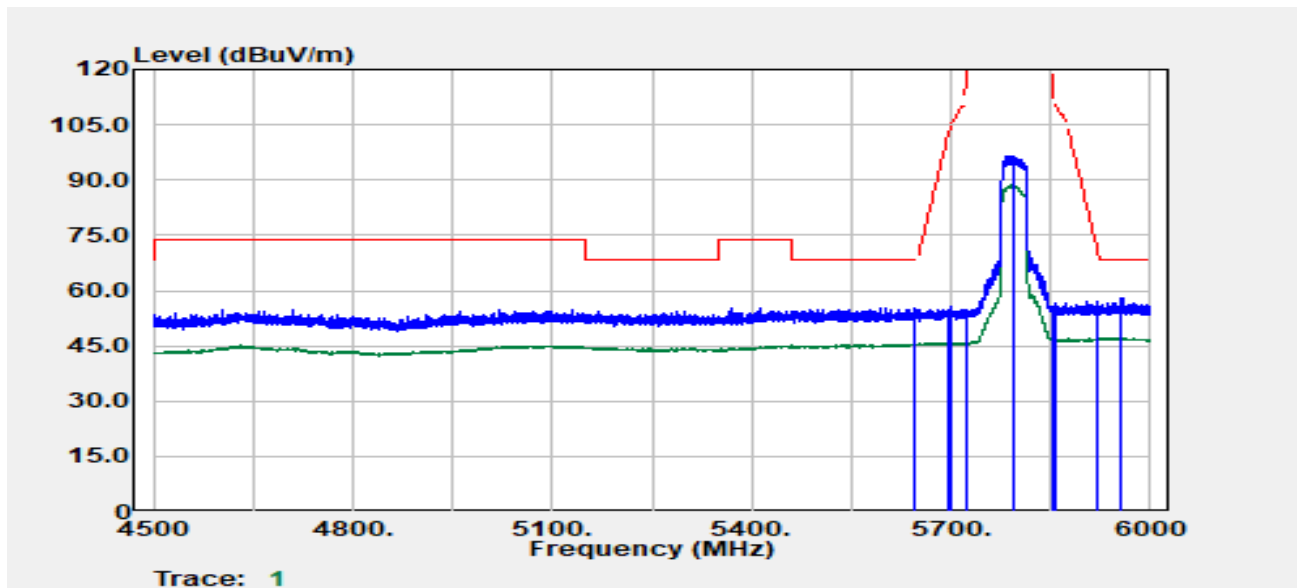


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5642.44	Peak	40.42	15.09	55.51	68.20	-12.69
5698.95	Peak	46.33	15.62	61.95	104.43	-42.47
5718.70	Peak	63.96	15.75	79.71	110.44	-30.73
5724.95	Peak	64.85	15.78	80.64	122.10	-41.46
5755.00	Peak	87.78	15.96	103.74	--	--
5755.00	Average	79.40	15.96	95.36	--	--
5852.98	Peak	39.21	15.94	55.15	115.41	-60.26
5866.98	Peak	41.09	15.94	57.03	107.44	-50.42
5900.98	Peak	41.54	15.92	57.47	85.93	-28.47
5961.24	Peak	40.76	16.15	56.90	68.20	-11.30

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band4
Frequency :5795 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :20

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

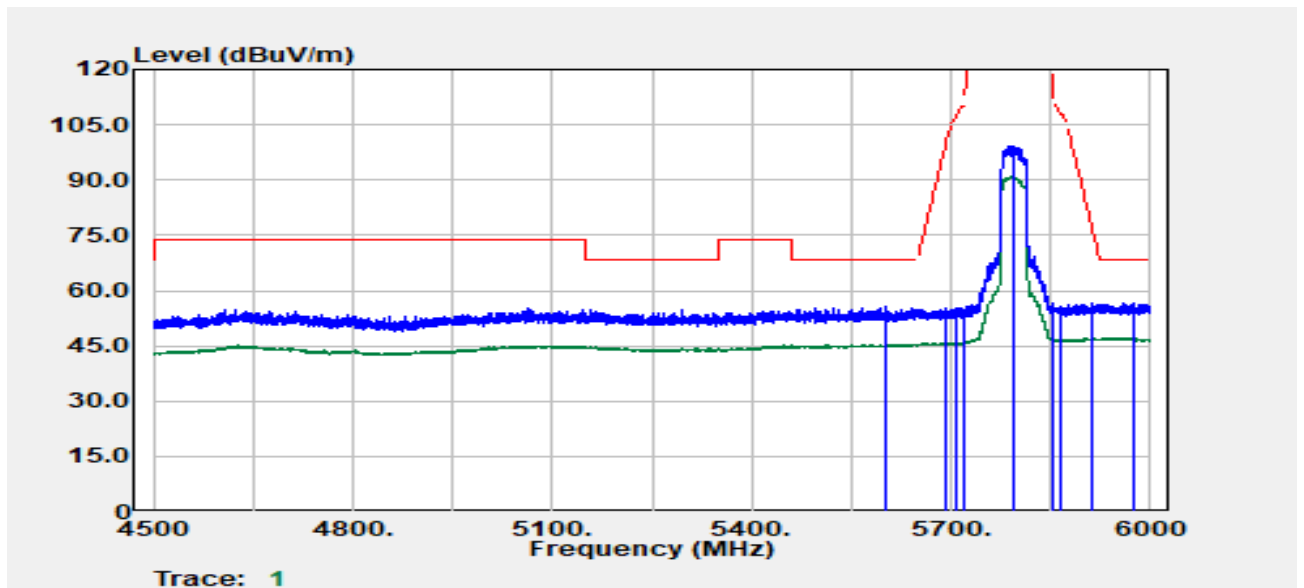


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5644.69	Peak	40.26	15.11	55.38	68.20	-12.82
5694.20	Peak	39.32	15.58	54.90	100.92	-46.02
5700.70	Peak	40.17	15.63	55.81	105.40	-49.59
5723.70	Peak	39.01	15.78	54.79	119.25	-64.46
5795.00	Peak	80.54	16.10	96.64	--	--
5795.00	Average	72.62	16.10	88.72	--	--
5853.23	Peak	39.58	15.94	55.52	114.84	-59.32
5855.73	Peak	40.65	15.94	56.59	110.60	-54.00
5920.24	Peak	40.99	16.02	57.01	71.71	-14.70
5954.49	Peak	41.79	16.16	57.94	68.20	-10.26

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band4
Frequency :5795 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :20

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

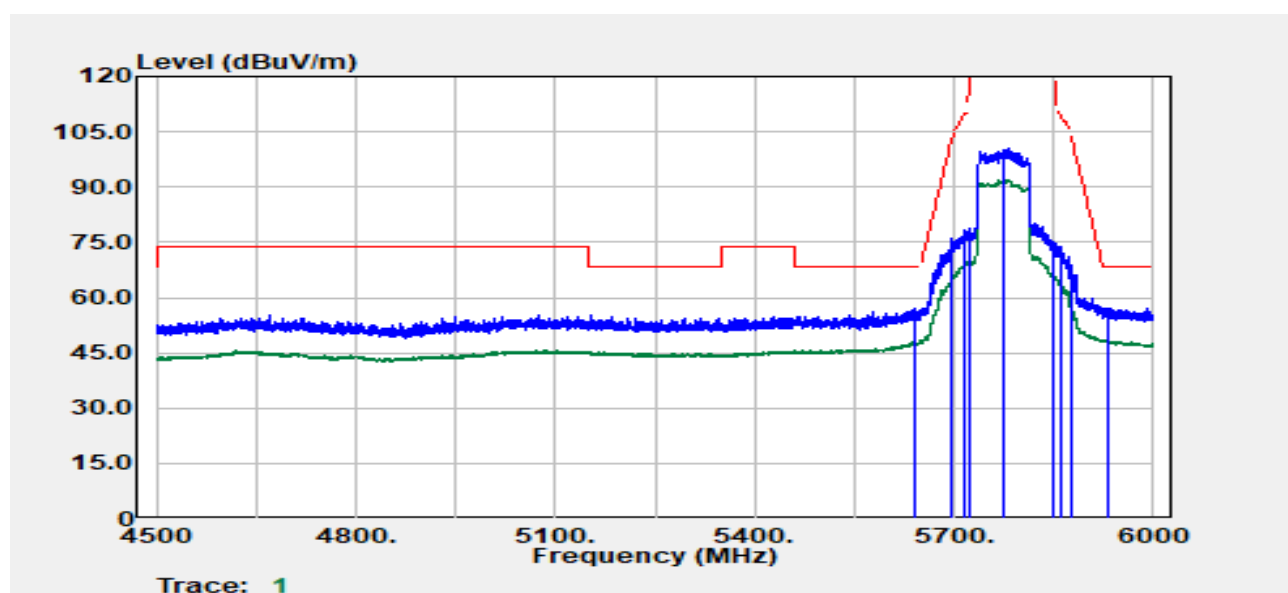


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5601.68	Peak	40.80	14.69	55.49	68.20	-12.71
5690.95	Peak	39.62	15.55	55.16	98.53	-43.36
5706.95	Peak	39.78	15.67	55.45	107.15	-51.70
5721.20	Peak	38.98	15.76	54.74	113.55	-58.81
5795.00	Peak	83.13	16.10	99.23	--	--
5795.00	Average	75.07	16.10	91.18	--	--
5851.73	Peak	40.56	15.94	56.51	118.27	-61.76
5864.23	Peak	39.55	15.94	55.49	108.21	-52.73
5911.99	Peak	40.49	15.98	56.47	77.80	-21.33
5976.50	Peak	40.46	16.13	56.58	68.20	-11.62

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band4
Frequency :5775 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :19.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

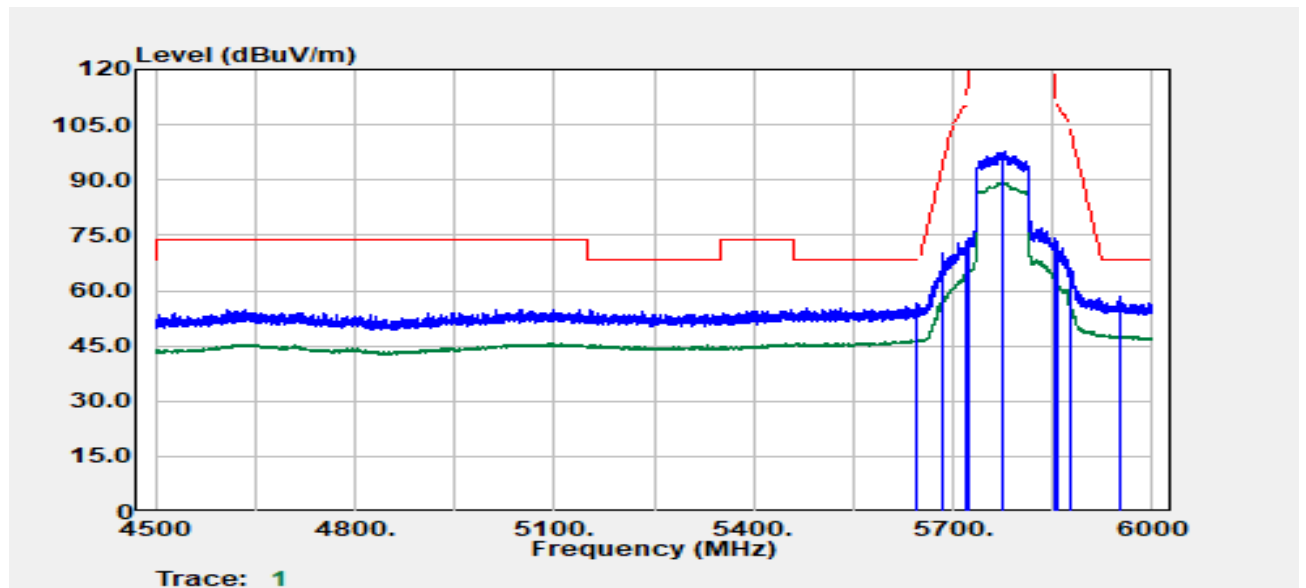


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5640.69	Peak	41.82	15.07	56.89	68.20	-11.31
5697.70	Peak	60.67	15.61	76.28	103.51	-27.23
5715.70	Peak	62.46	15.73	78.19	109.60	-31.41
5722.95	Peak	62.96	15.77	78.74	117.54	-38.80
5775.00	Peak	84.36	16.03	100.39	--	--
5775.00	Average	75.74	16.03	91.77	--	--
5850.00	Peak	59.04	15.95	74.98	122.20	-47.22
5861.98	Peak	57.82	15.94	73.76	108.84	-35.09
5875.73	Peak	53.06	15.93	69.00	104.66	-35.66
5930.74	Peak	41.21	16.07	57.28	68.20	-10.92

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band4
Frequency :5775 MHz
Operation Mode :Bandedge
EUT Pol :H
Setting :19.5

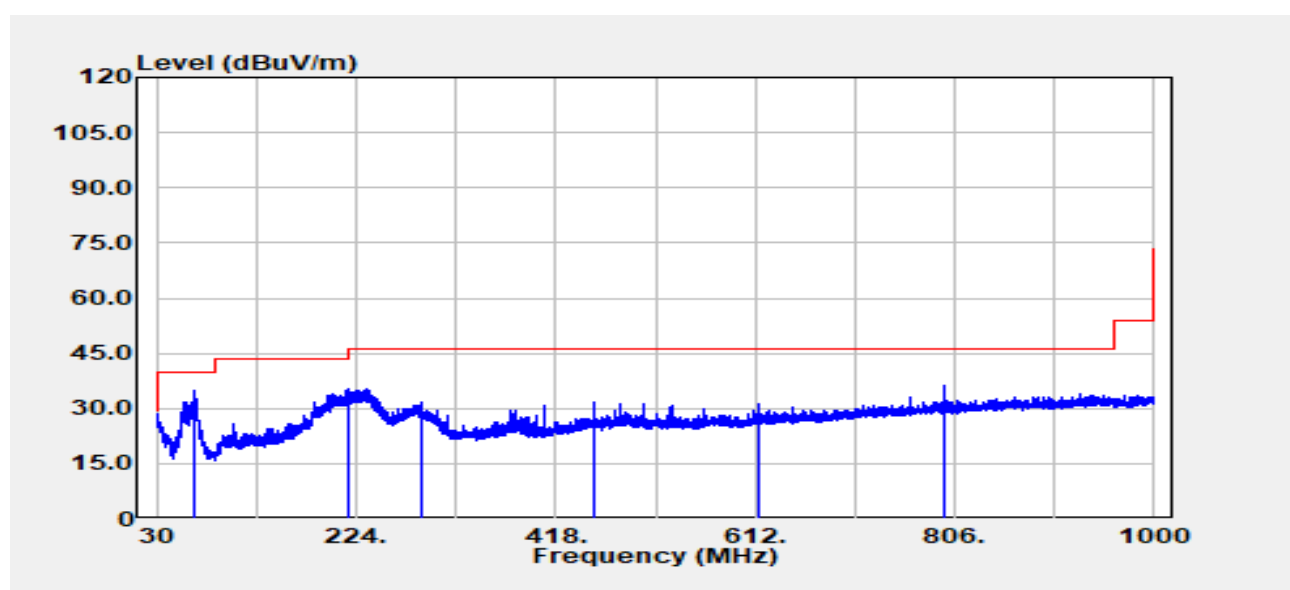
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5644.94	Peak	41.50	15.11	56.61	68.20	-11.59
5683.95	Peak	54.54	15.48	70.02	93.36	-23.34
5718.45	Peak	57.78	15.74	73.52	110.37	-36.85
5724.20	Peak	58.29	15.78	74.07	120.39	-46.32
5775.00	Peak	81.82	16.03	97.85	--	--
5775.00	Average	73.36	16.03	89.39	--	--
5852.98	Peak	58.24	15.94	74.18	115.41	-41.23
5855.98	Peak	57.34	15.94	73.28	110.53	-37.25
5875.48	Peak	50.08	15.93	66.02	104.84	-38.83
5951.24	Peak	42.08	16.16	58.25	68.20	-9.95

TX Test Data

Project No	:TM-2405000413P	Test Date	:2024-07-04
Operation Band	:802.11ac80/Band1	Temp./Humi.	:24.6/57
Frequency	:5210 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A
Setting	:17		

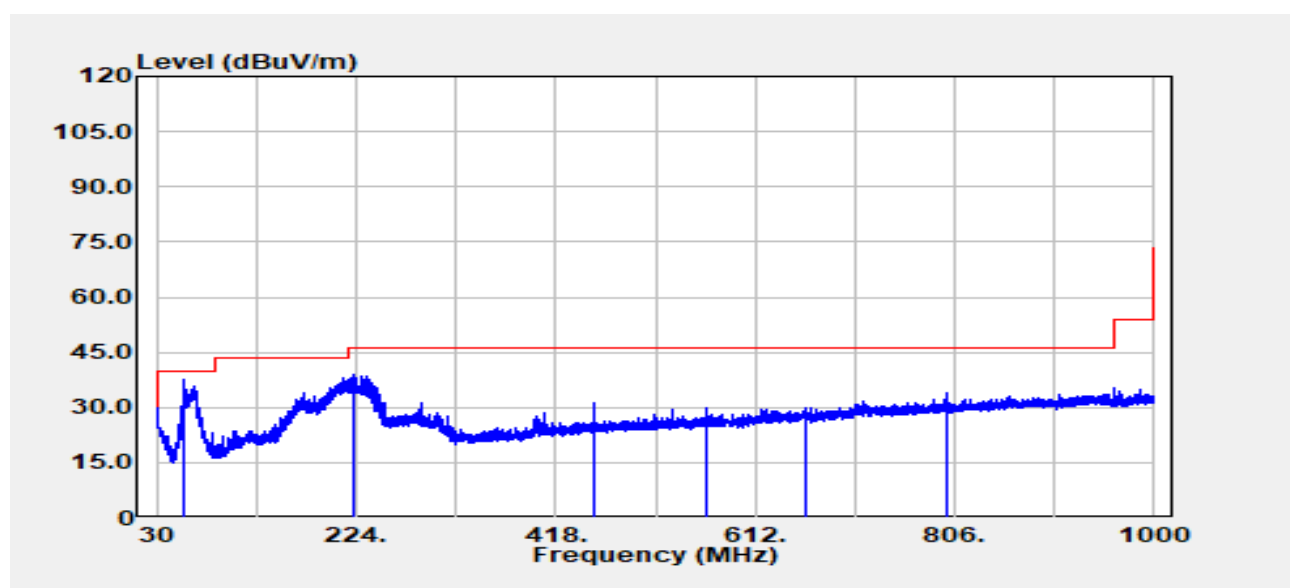


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
66.38	Peak	50.21	-15.45	34.76	40.00	-5.24
216.48	Peak	47.03	-11.78	35.25	46.00	-10.75
288.02	Peak	40.53	-8.76	31.77	46.00	-14.23
456.07	Peak	36.06	-4.21	31.85	46.00	-14.15
615.52	Peak	32.45	-1.41	31.04	46.00	-14.96
796.54	Peak	34.77	1.46	36.23	46.00	-9.77

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band1
Frequency :5210 MHz
Operation Mode :TX
EUT Pol :H
Setting :17

Test Date :2024-07-04
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

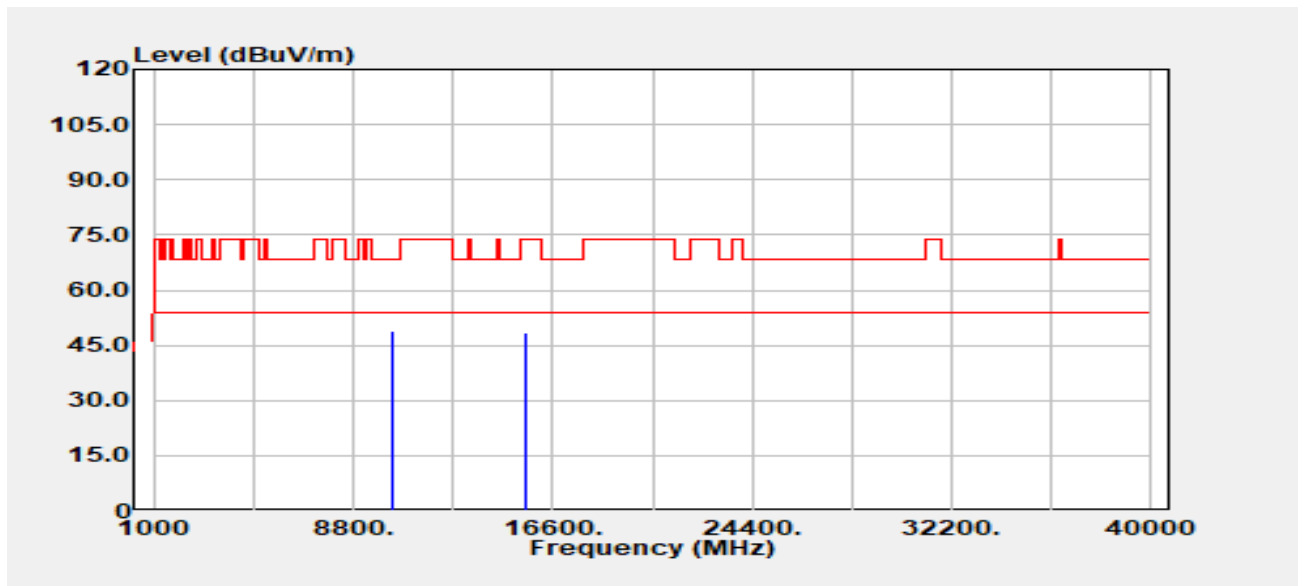


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
56.68	Peak	53.54	-15.74	37.79	40.00	-2.21
222.42	Peak	50.37	-11.65	38.72	46.00	-7.28
455.95	Peak	35.31	-4.21	31.09	46.00	-14.91
565.32	Peak	31.96	-2.21	29.76	46.00	-16.24
661.23	Peak	30.65	-0.57	30.08	46.00	-15.92
798.00	Peak	32.67	1.47	34.14	46.00	-11.86

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band1
Frequency :5180 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

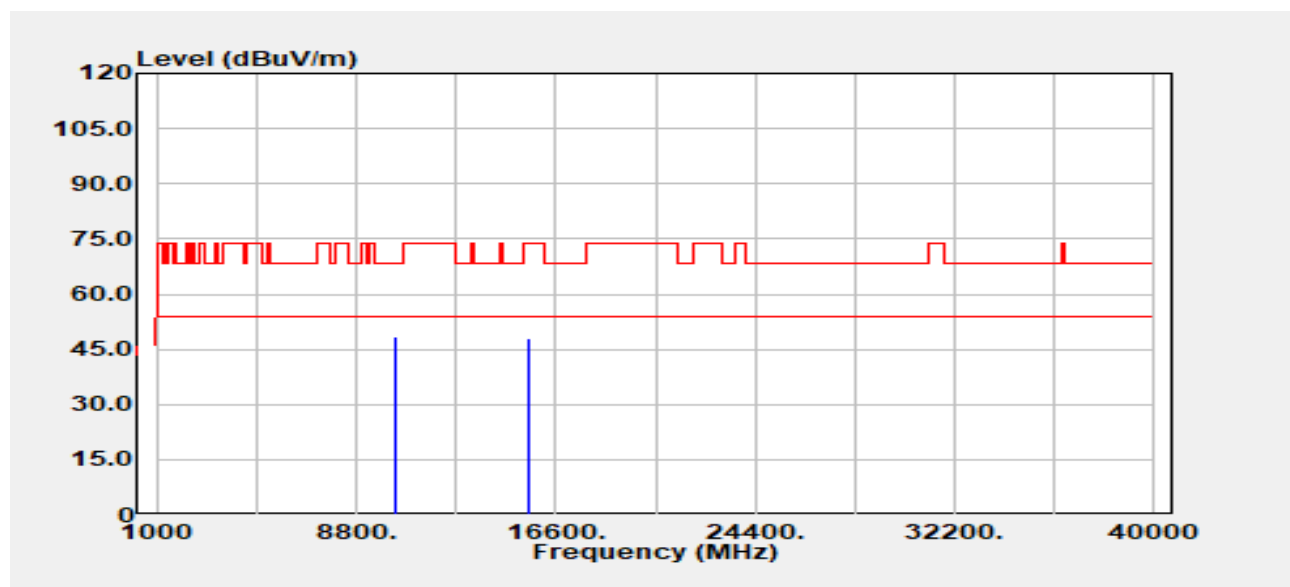
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10360.00	Peak	35.86	12.85	48.71	68.20	-19.49
15540.00	Peak	33.37	14.87	48.24	74.00	-25.76
15540.00	Average	25.68	14.87	40.55	54.00	-13.45

Report No.: TMWK2406002104KR

Project No	:TM-2405000413P	Test Date	:2024-07-02
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5180 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:H	Test Chamber	: 966A
Setting	:19.5		

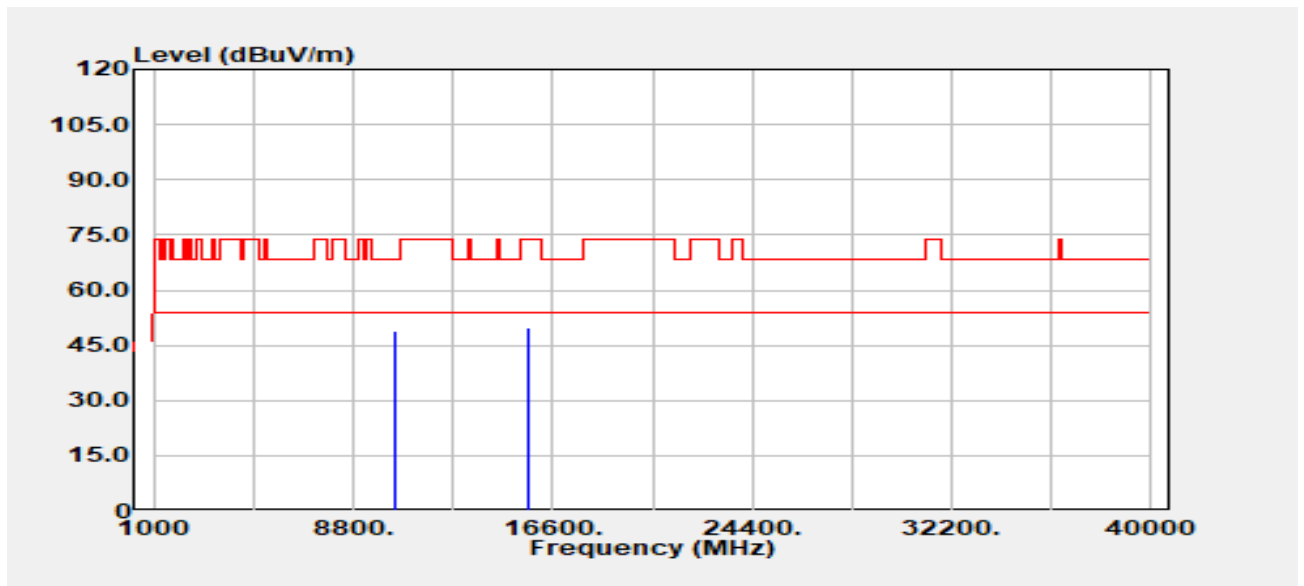


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10360.00	Peak	35.39	12.85	48.23	68.20	-19.97
15540.00	Peak	33.14	14.87	48.01	74.00	-25.99
15540.00	Average	25.89	14.87	40.77	54.00	-13.23

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band1
Frequency :5220 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

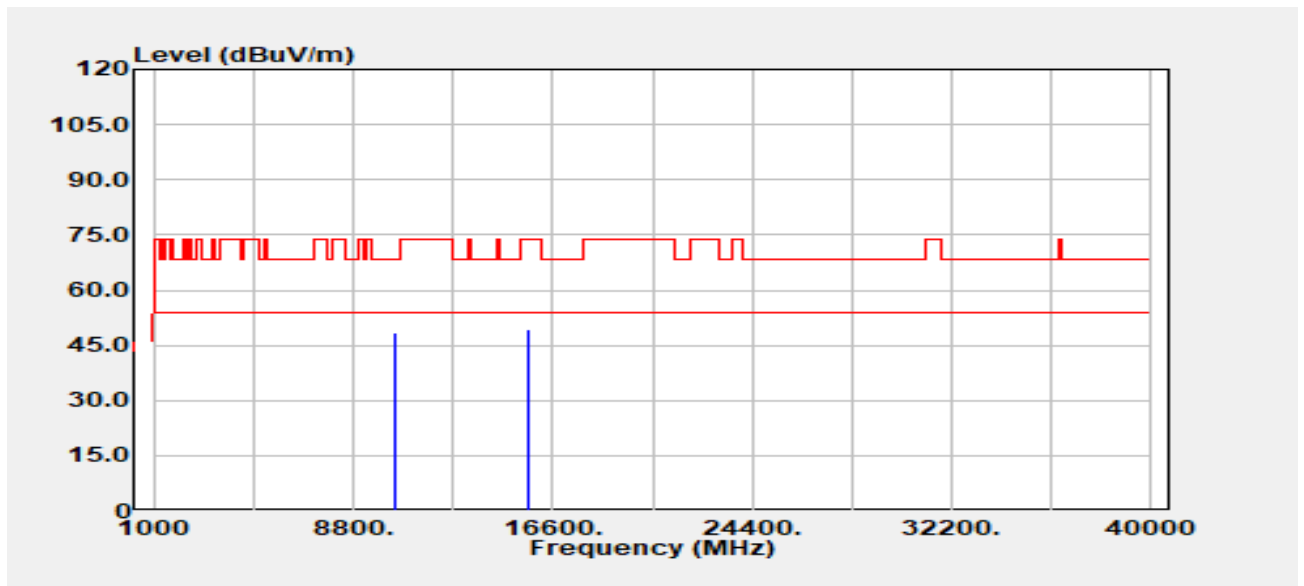


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10440.00	Peak	35.94	12.85	48.79	68.20	-19.41
15660.00	Peak	34.46	15.46	49.92	74.00	-24.08
15660.00	Average	26.10	15.46	41.56	54.00	-12.44

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band1
Frequency :5220 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



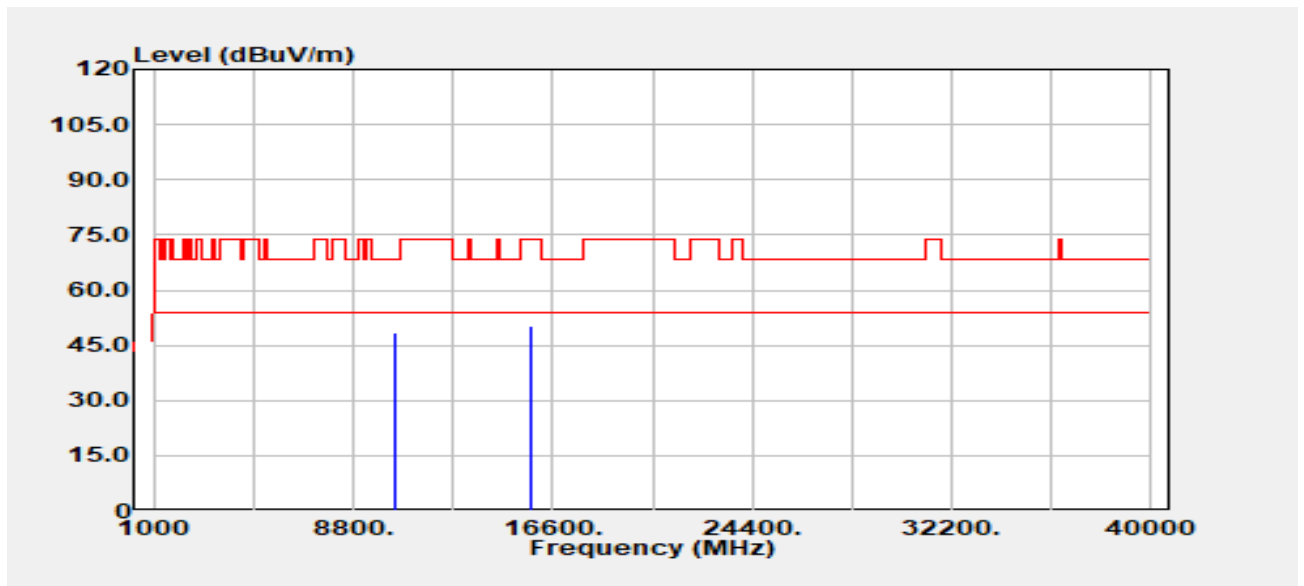
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10440.00	Peak	35.81	12.85	48.66	68.20	-19.54
15660.00	Peak	34.07	15.46	49.53	74.00	-24.47
15660.00	Average	25.98	15.46	41.44	54.00	-12.56

Report No.: TMWK2406002104KR

Rev. 00

Project No :TM-2405000413P
Operation Band :802.11a/Band1
Frequency :5240 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

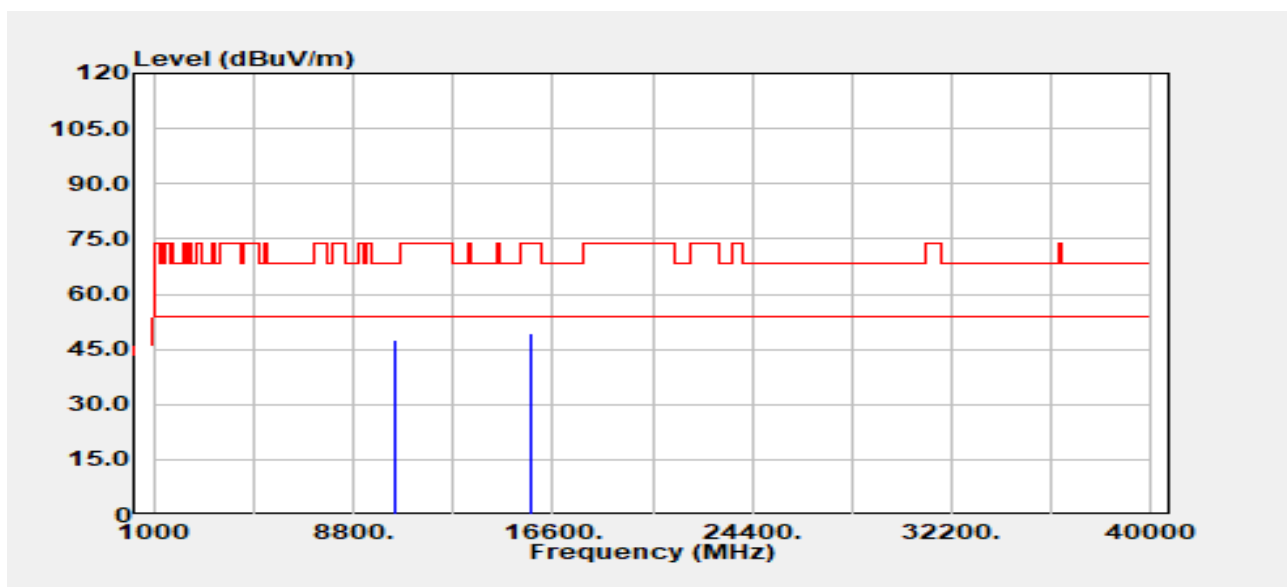


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
10480.00	Peak	35.59	12.72	48.31	68.20	-19.89
15720.00	Peak	34.70	15.73	50.43	74.00	-23.57
15720.00	Average	26.35	15.73	42.08	54.00	-11.92

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band1
Frequency :5240 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

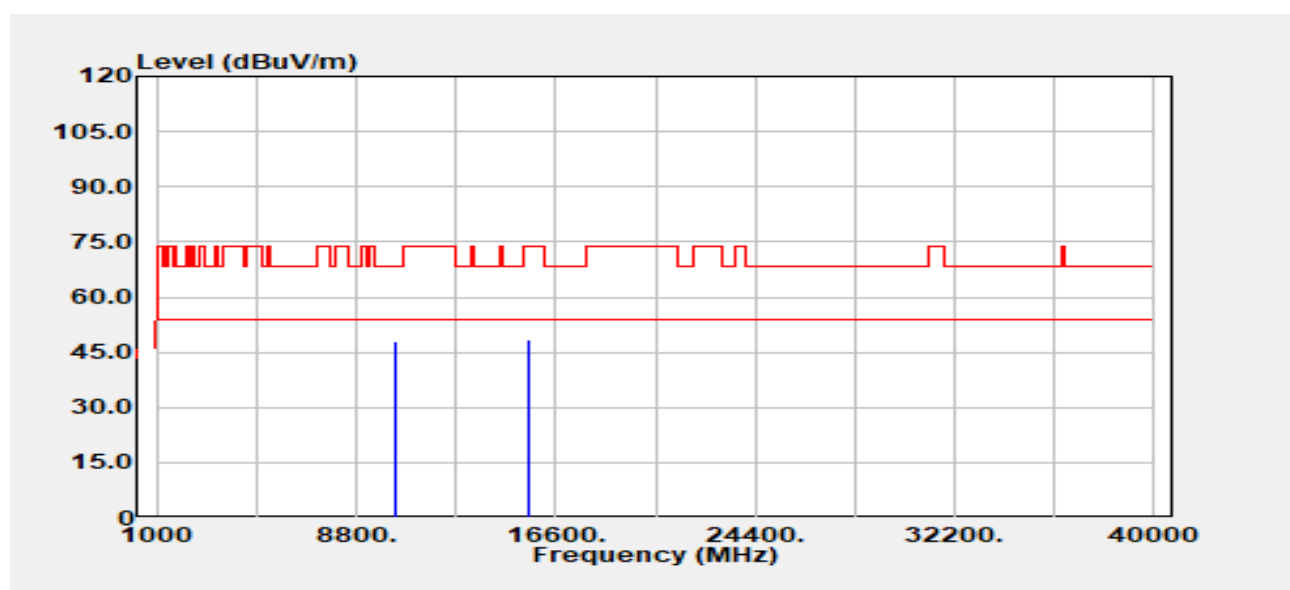


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10480.00	Peak	34.89	12.72	47.61	68.20	-20.59
15720.00	Peak	33.41	15.73	49.14	74.00	-24.86
15720.00	Average	26.46	15.73	42.19	54.00	-11.81

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band1
Frequency :5180 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

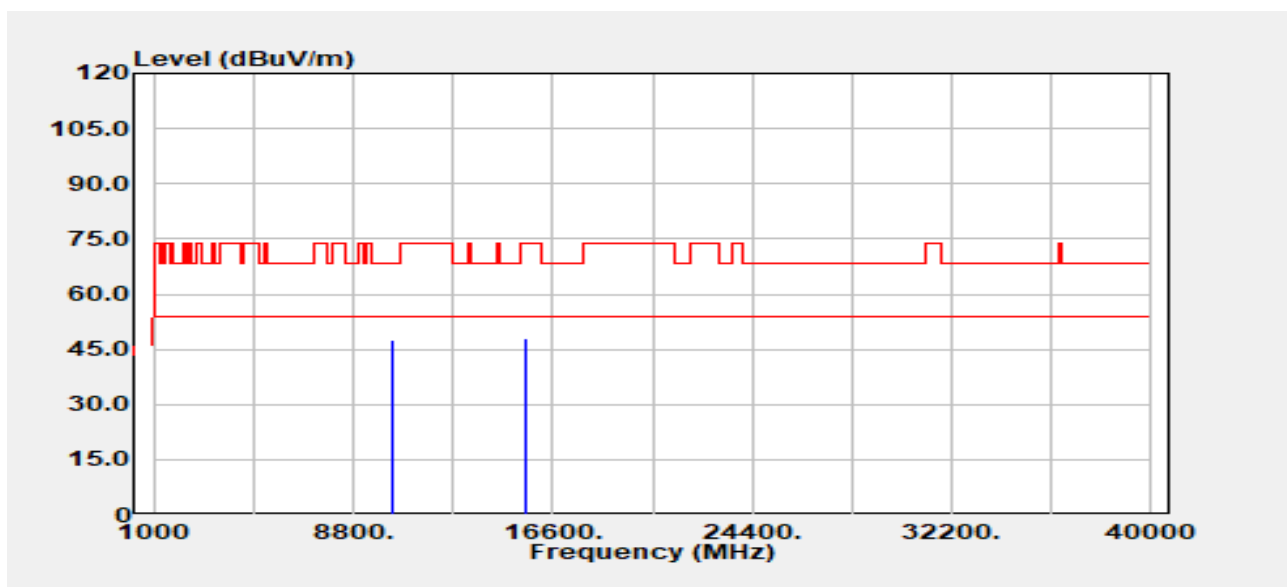


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10360.00	Peak	35.22	12.85	48.07	68.20	-20.13
15540.00	Peak	33.79	14.87	48.66	74.00	-25.34
15540.00	Average	25.40	14.87	40.27	54.00	-13.73

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band1
Frequency :5180 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

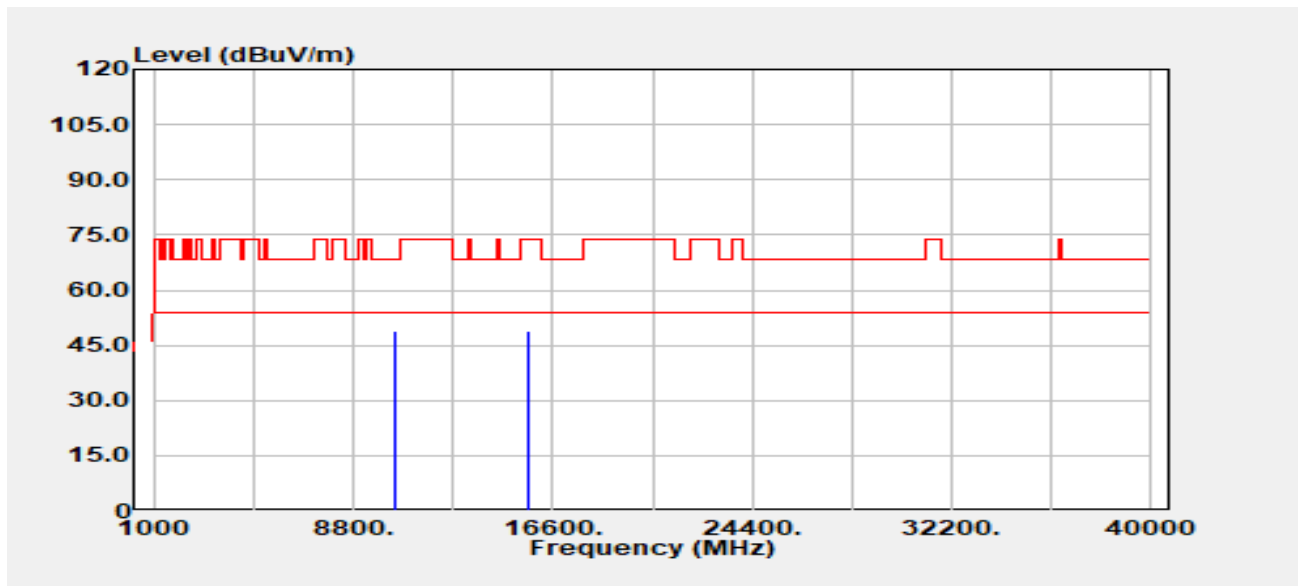


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10360.00	Peak	34.63	12.85	47.48	68.20	-20.72
15540.00	Peak	33.24	14.87	48.12	74.00	-25.88
15540.00	Average	25.56	14.87	40.43	54.00	-13.57

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band1
Frequency :5220 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

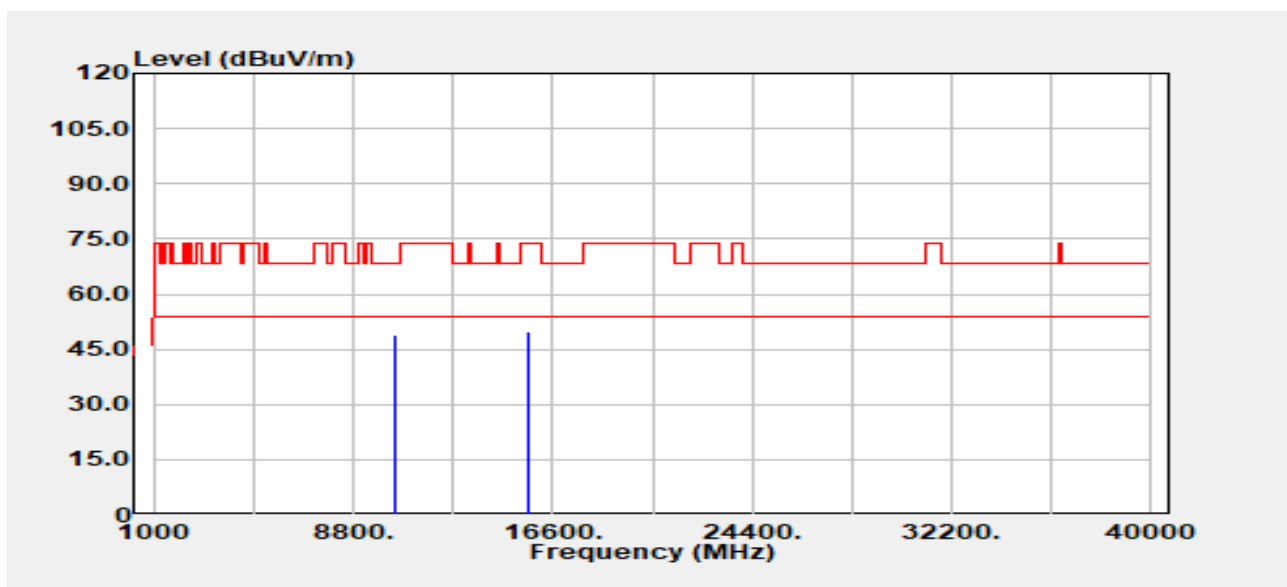


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10440.00	Peak	36.01	12.85	48.86	68.20	-19.34
15660.00	Peak	33.31	15.46	48.77	74.00	-25.23
15660.00	Average	25.94	15.46	41.40	54.00	-12.60

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band1
Frequency :5220 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

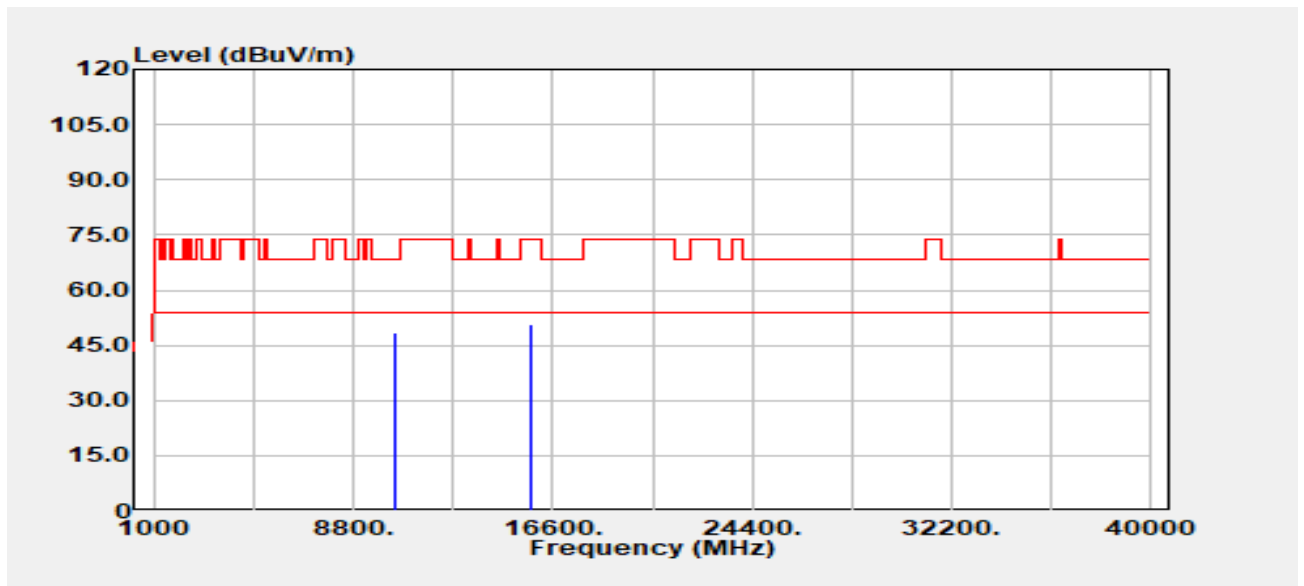


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10440.00	Peak	36.06	12.85	48.91	68.20	-19.29
15660.00	Peak	34.26	15.46	49.72	74.00	-24.28
15660.00	Average	25.84	15.46	41.30	54.00	-12.70

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band1
Frequency :5240 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

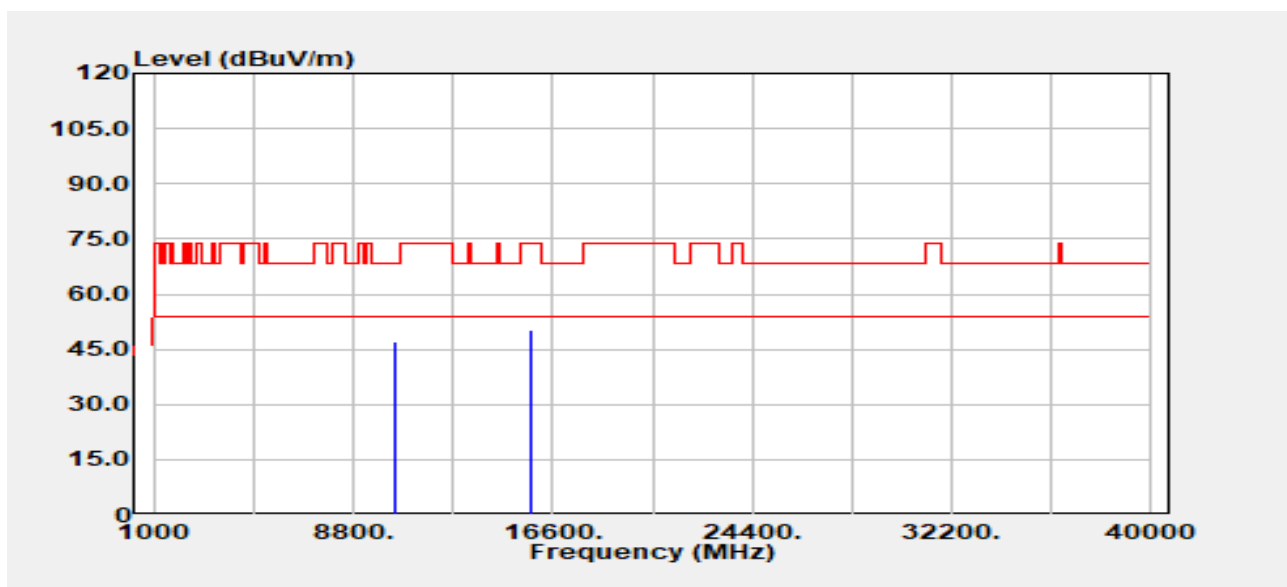


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10480.00	Peak	35.61	12.72	48.33	68.20	-19.87
15720.00	Peak	34.85	15.73	50.58	74.00	-23.42
15720.00	Average	26.20	15.73	41.93	54.00	-12.07

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band1
Frequency :5240 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

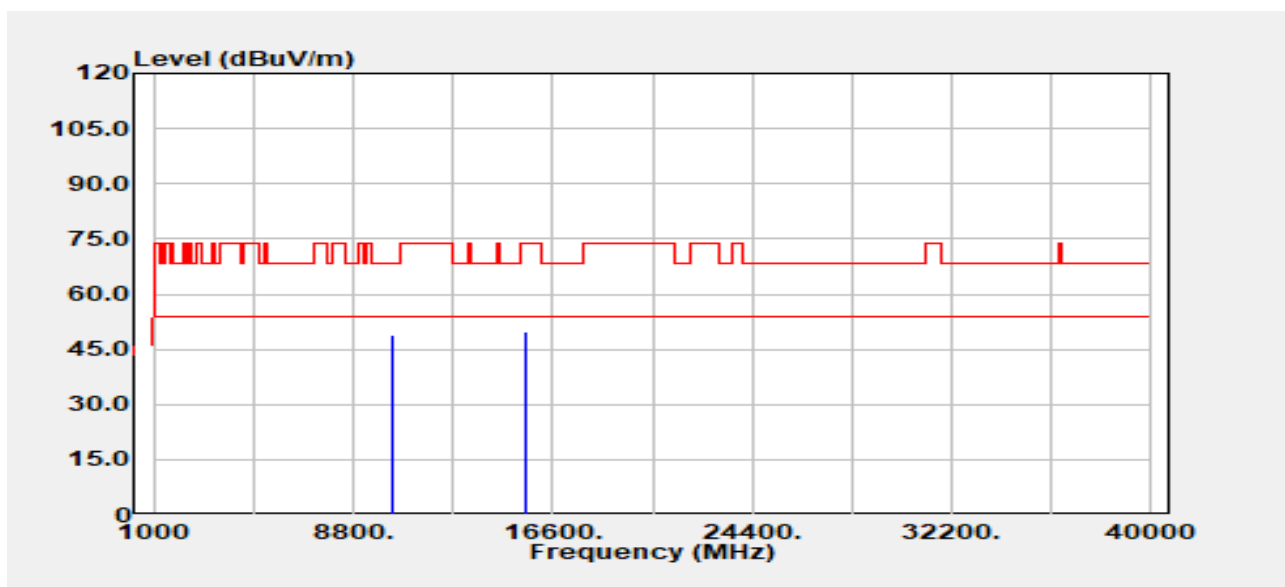
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10480.00	Peak	34.55	12.72	47.27	68.20	-20.93
15720.00	Peak	34.40	15.73	50.13	74.00	-23.87
15720.00	Average	26.30	15.73	42.03	54.00	-11.97

Project No :TM-2405000413P
Operation Band :802.11n40/Band1
Frequency :5190 MHz
Operation Mode :TX
EUT Pol :H
Setting :17

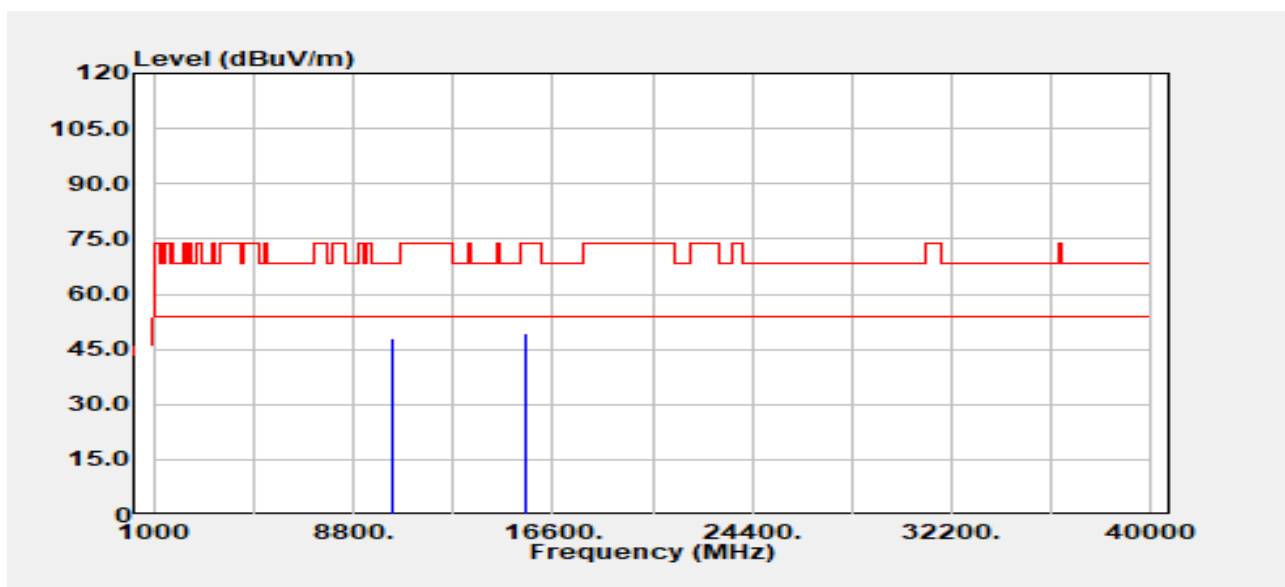
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10380.00	Peak	35.97	12.91	48.88	68.20	-19.32
15570.00	Peak	34.56	15.12	49.68	74.00	-24.32
15570.00	Average	24.99	15.12	40.11	54.00	-13.89

Project No :TM-2405000413P
Operation Band :802.11n40/Band1
Frequency :5190 MHz
Operation Mode :TX
EUT Pol :H
Setting :17

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

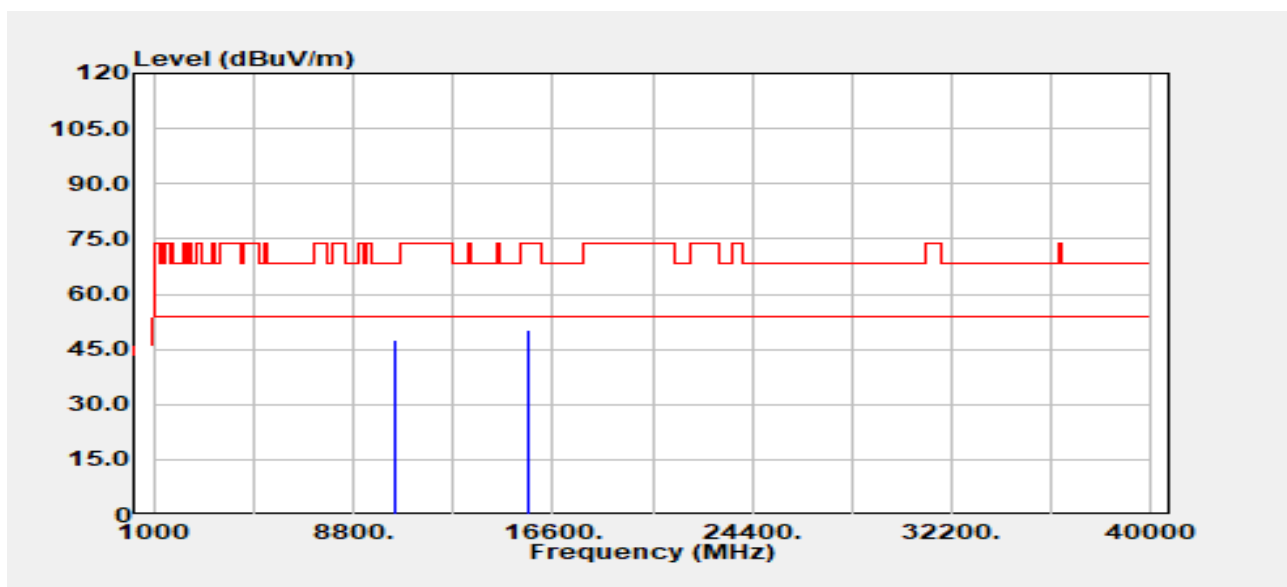


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10380.00	Peak	35.13	12.91	48.05	68.20	-20.15
15570.00	Peak	34.04	15.12	49.16	74.00	-24.84
15570.00	Average	25.06	15.12	40.18	54.00	-13.82

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band1
Frequency :5230 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

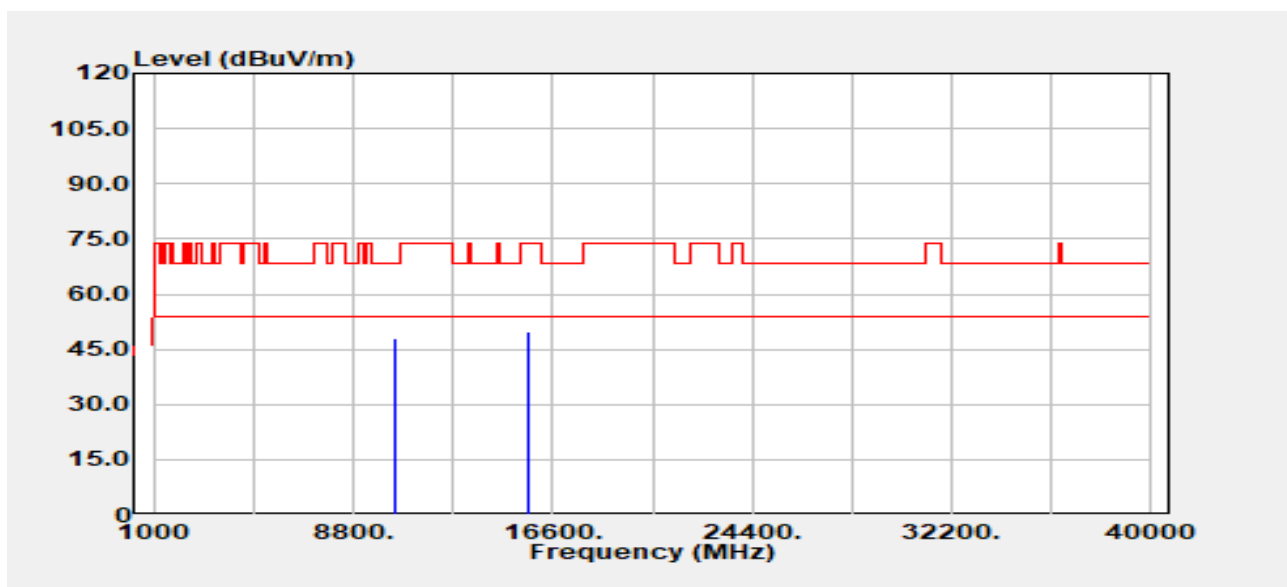
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10460.00	Peak	34.96	12.78	47.75	68.20	-20.45
15690.00	Peak	34.67	15.42	50.08	74.00	-23.92
15690.00	Average	25.65	15.42	41.06	54.00	-12.94

Project No :TM-2405000413P
 Operation Band :802.11n40/Band1
 Frequency :5230 MHz
 Operation Mode :TX
 EUT Pol :H
 Setting :18

Test Date :2024-07-02
 Temp./Humi. :24.6/57
 Antenna Pol. :Horizontal
 Engineer :Ray Li
 Test Chamber : 966A

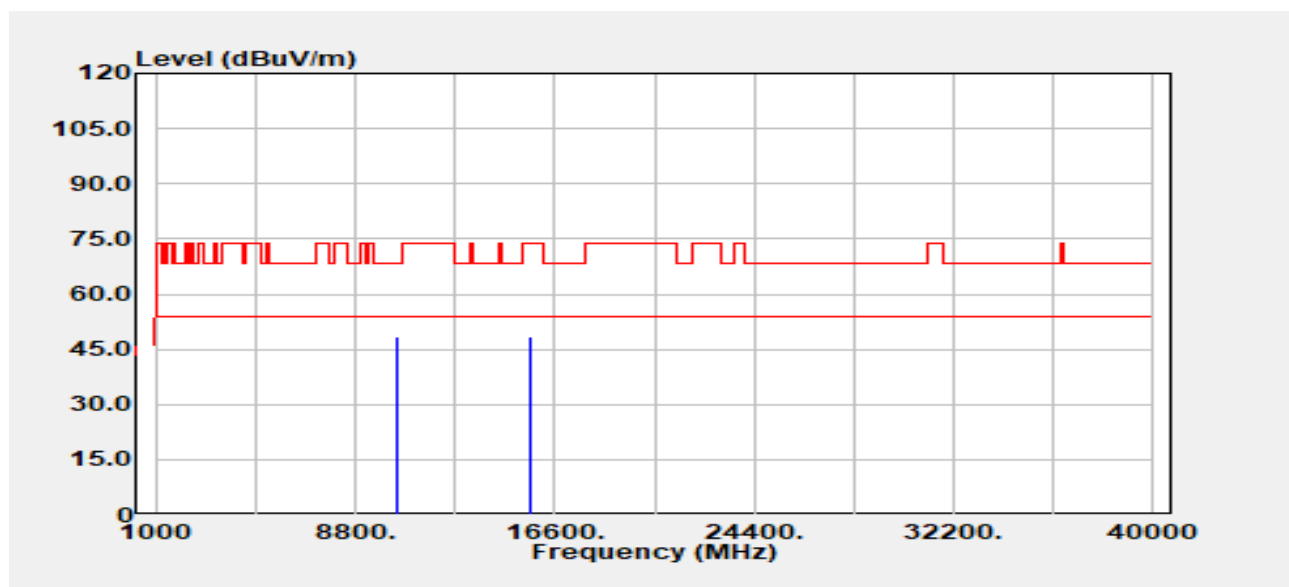


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10460.00	Peak	35.22	12.78	48.00	68.20	-20.20
15690.00	Peak	34.41	15.42	49.83	74.00	-24.17
15690.00	Average	25.71	15.42	41.12	54.00	-12.88

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band1
Frequency :5210 MHz
Operation Mode :TX
EUT Pol :H
Setting :17

Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

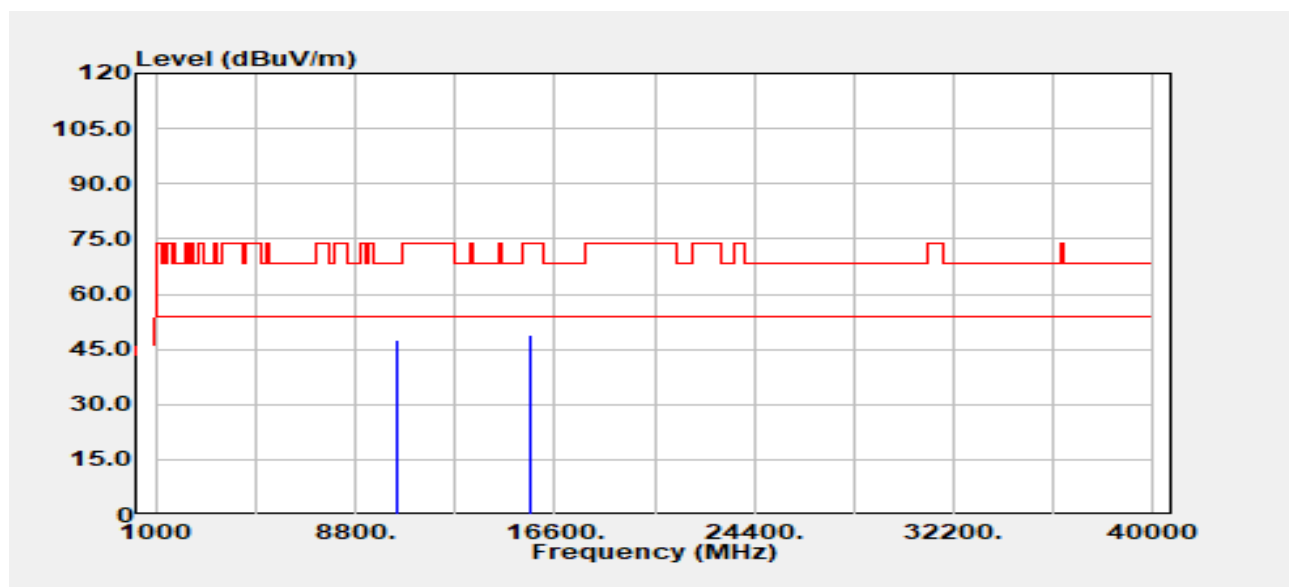


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10420.00	Peak	35.51	12.91	48.43	68.20	-19.77
15630.00	Peak	32.93	15.41	48.35	74.00	-25.65
15630.00	Average	25.38	15.41	40.79	54.00	-13.21

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band1
Frequency :5210 MHz
Operation Mode :TX
EUT Pol :H
Setting :17

Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

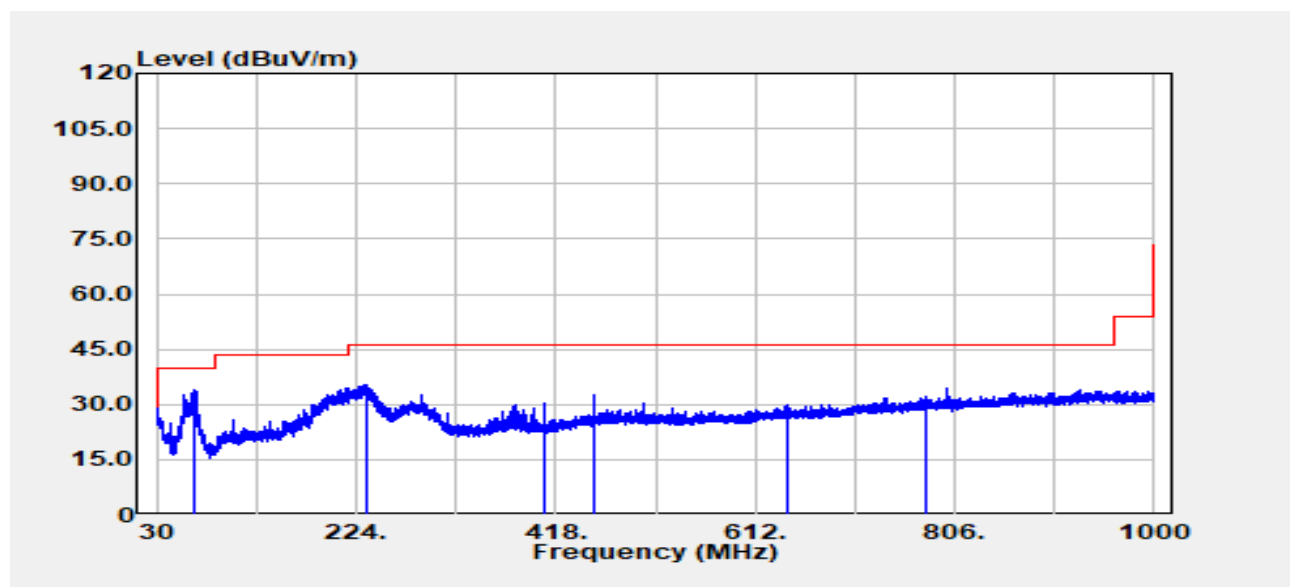


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10420.00	Peak	34.77	12.91	47.68	68.20	-20.52
15630.00	Peak	33.36	15.41	48.77	74.00	-25.23
15630.00	Average	25.33	15.41	40.75	54.00	-13.25

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band2
Frequency :5290 MHz
Operation Mode :TX
EUT Pol :H
Setting :15.5

Test Date :2024-07-04
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

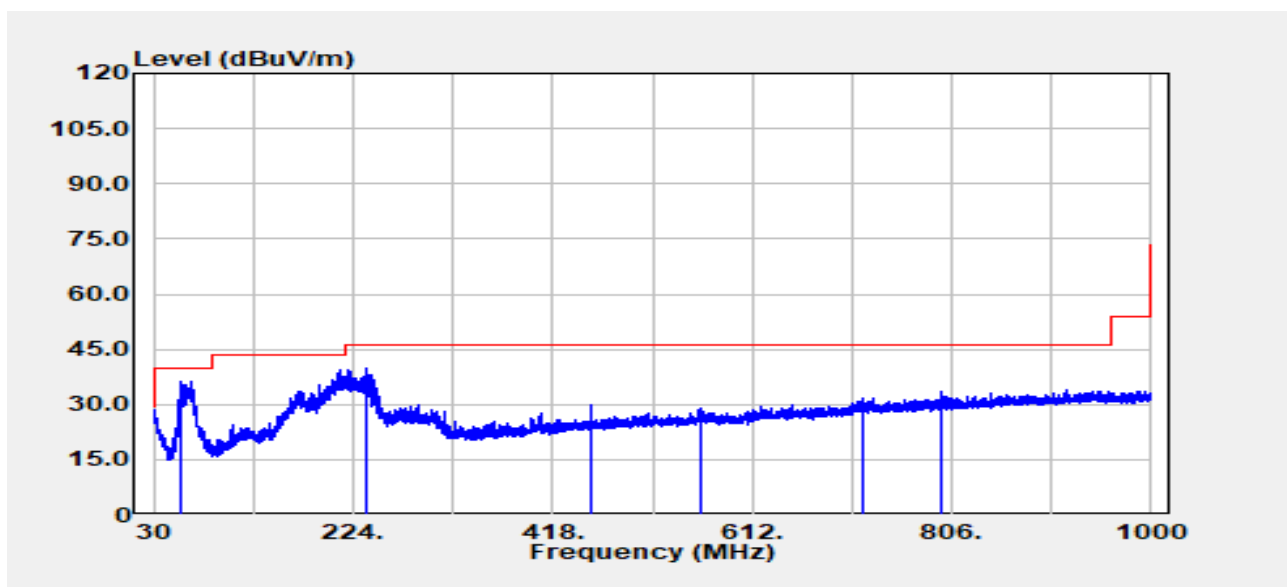


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
67.59	Peak	49.18	-15.09	34.08	40.00	-5.92
233.58	Peak	46.41	-11.00	35.41	46.00	-10.59
408.06	Peak	35.89	-5.50	30.39	46.00	-15.61
455.95	Peak	36.77	-4.21	32.56	46.00	-13.44
642.56	Peak	30.66	-0.70	29.95	46.00	-16.05
778.36	Peak	30.80	1.34	32.15	46.00	-13.85

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band2
Frequency :5290 MHz
Operation Mode :TX
EUT Pol :H
Setting :15.5

Test Date :2024-07-04
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

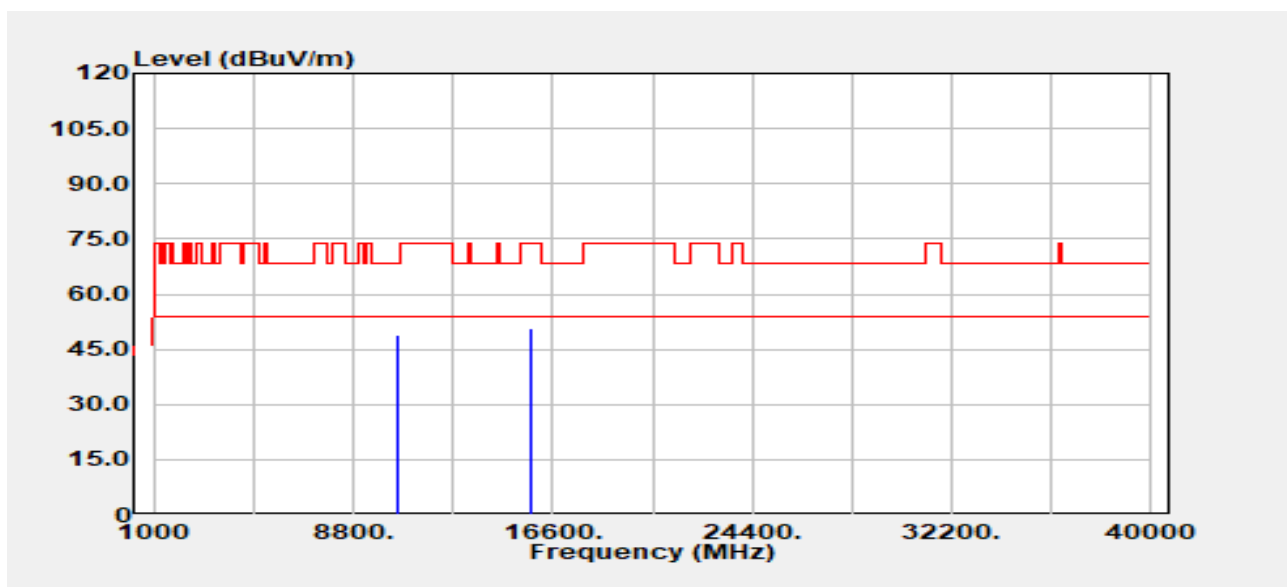


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
56.68	Peak	52.19	-15.74	36.45	40.00	-3.55
237.82	Peak	50.44	-10.73	39.72	46.00	-6.28
455.95	Peak	34.32	-4.21	30.10	46.00	-15.90
562.53	Peak	31.16	-2.33	28.83	46.00	-17.17
718.46	Peak	31.35	0.35	31.70	46.00	-14.30
797.03	Peak	32.07	1.46	33.53	46.00	-12.47

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band2
Frequency :5260 MHz
Operation Mode :TX
EUT Pol :H
Setting :19

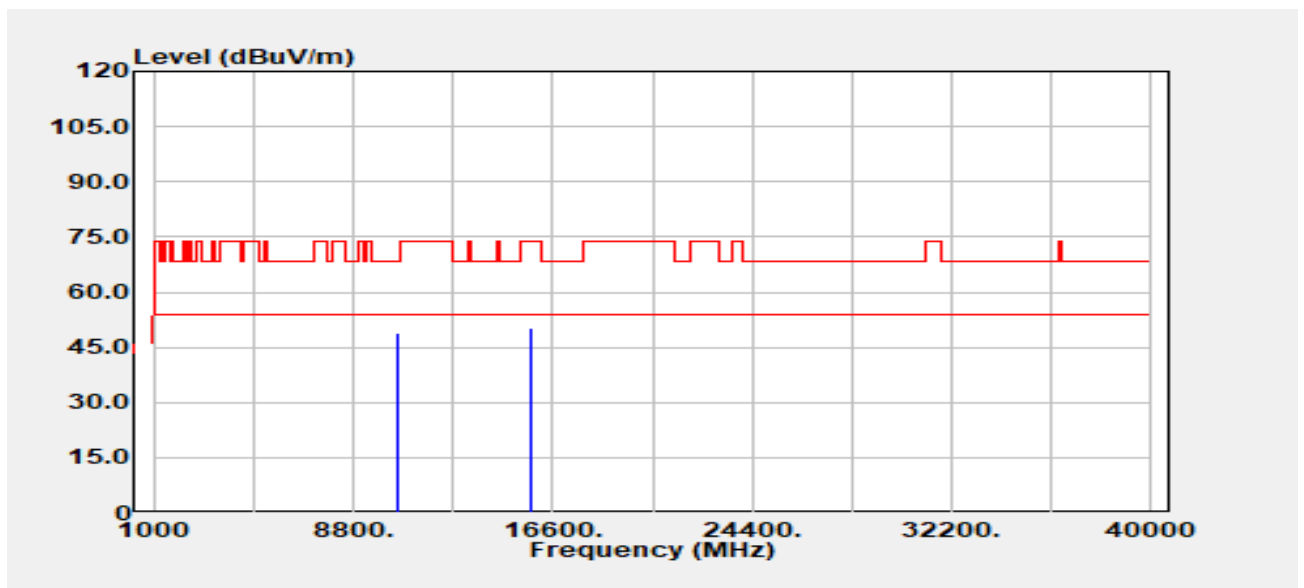
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10520.00	Peak	36.25	12.78	49.03	68.20	-19.17
15780.00	Peak	34.80	16.08	50.88	74.00	-23.12
15780.00	Average	26.50	16.08	42.58	54.00	-11.42

Project No :TM-2405000413P
Operation Band :802.11a/Band2
Frequency :5260 MHz
Operation Mode :TX
EUT Pol :H
Setting :19

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

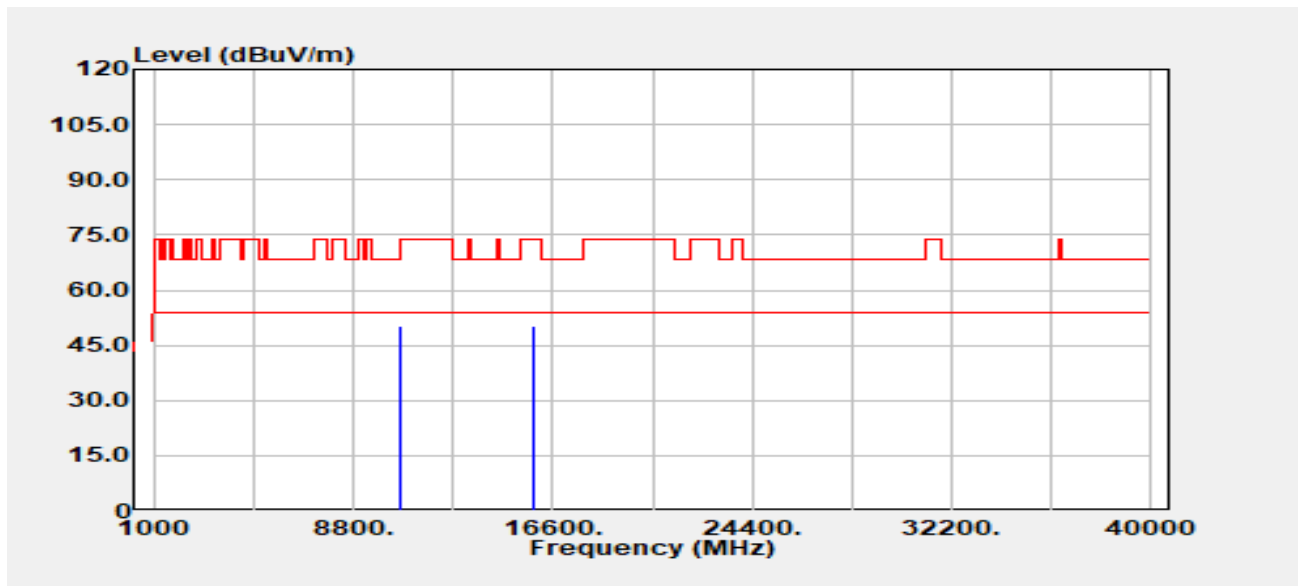


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10520.00	Peak	36.27	12.78	49.05	68.20	-19.15
15780.00	Peak	34.41	16.08	50.49	74.00	-23.51
15780.00	Average	26.45	16.08	42.52	54.00	-11.48

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band2
Frequency :5300 MHz
Operation Mode :TX
EUT Pol :H
Setting :19

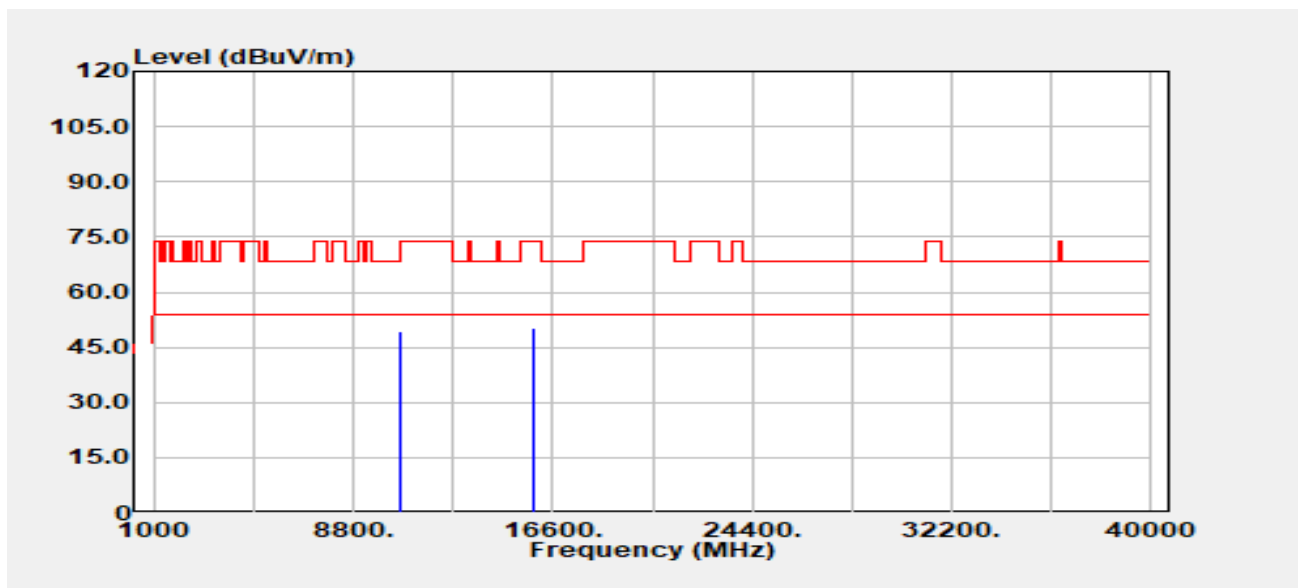
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10600.00	Peak	37.37	12.96	50.33	68.20	-17.87
15900.00	Peak	34.07	16.19	50.26	74.00	-23.74
15900.00	Average	26.26	16.19	42.45	54.00	-11.55

Project No :TM-2405000413P
Operation Band :802.11a/Band2
Frequency :5300 MHz
Operation Mode :TX
EUT Pol :H
Setting :19

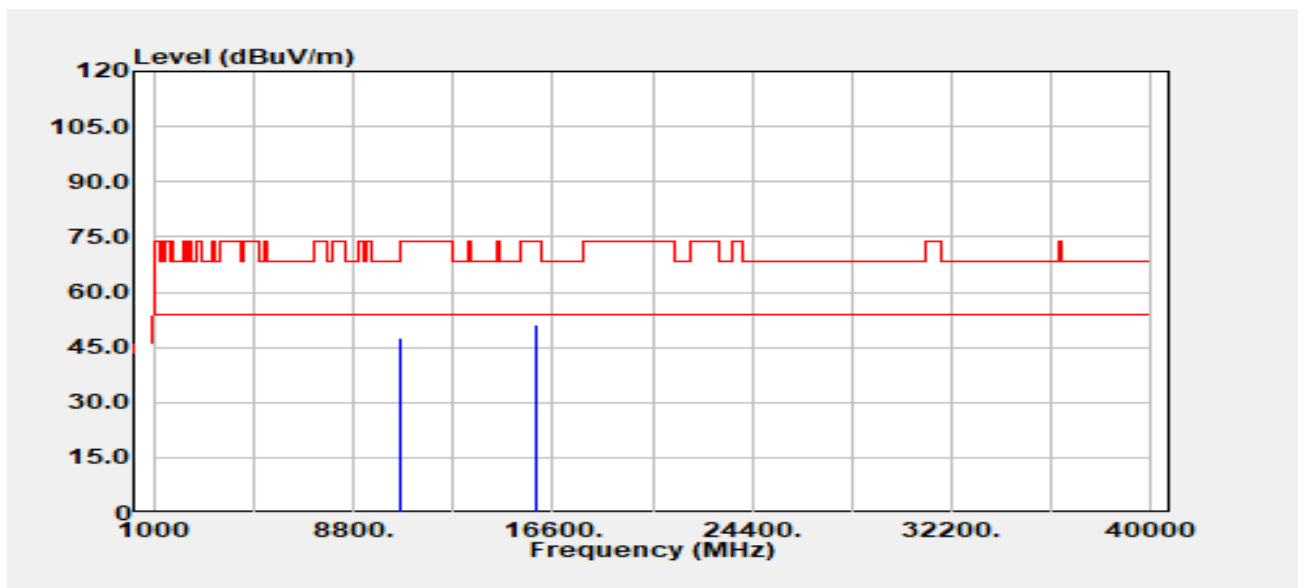
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10600.00	Peak	36.18	12.96	49.14	68.20	-19.06
15900.00	Peak	33.92	16.19	50.11	74.00	-23.89
15900.00	Average	26.22	16.19	42.41	54.00	-11.59

Project No :TM-2405000413P
Operation Band :802.11a/Band2
Frequency :5320 MHz
Operation Mode :TX
EUT Pol :H
Setting :18.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

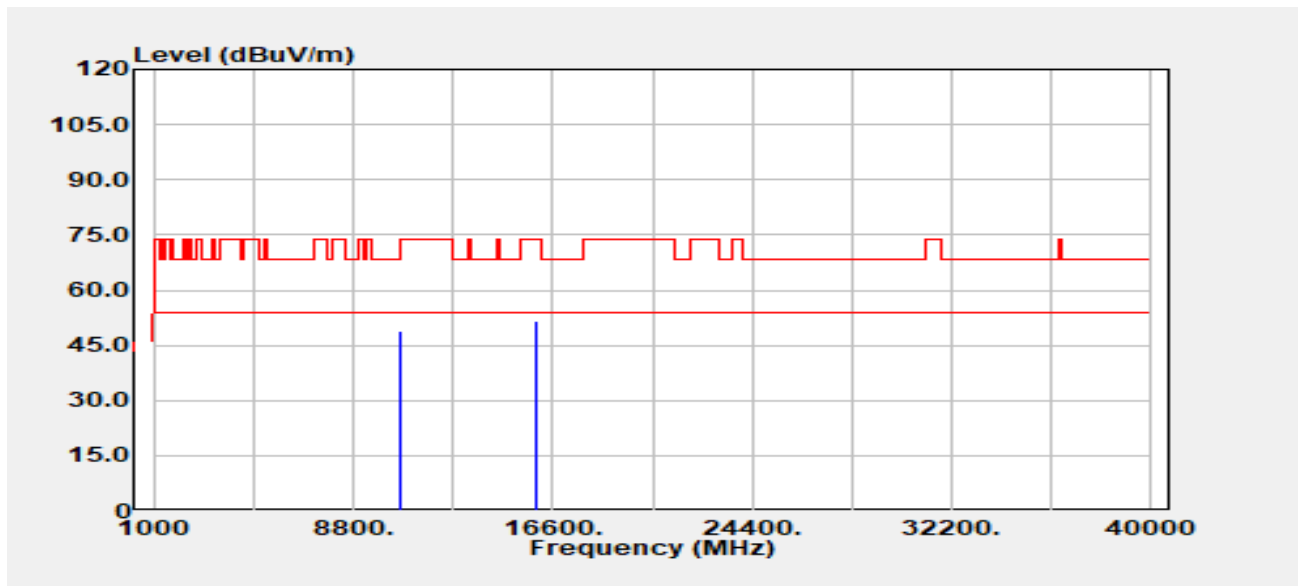


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10640.00	Peak	34.68	13.04	47.72	74.00	-26.28
10640.00	Average	30.02	13.04	43.06	54.00	-10.94
15960.00	Peak	33.62	17.41	51.03	74.00	-22.97
15960.00	Average	25.49	17.41	42.90	54.00	-11.10

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band2
Frequency :5320 MHz
Operation Mode :TX
EUT Pol :H
Setting :18.5

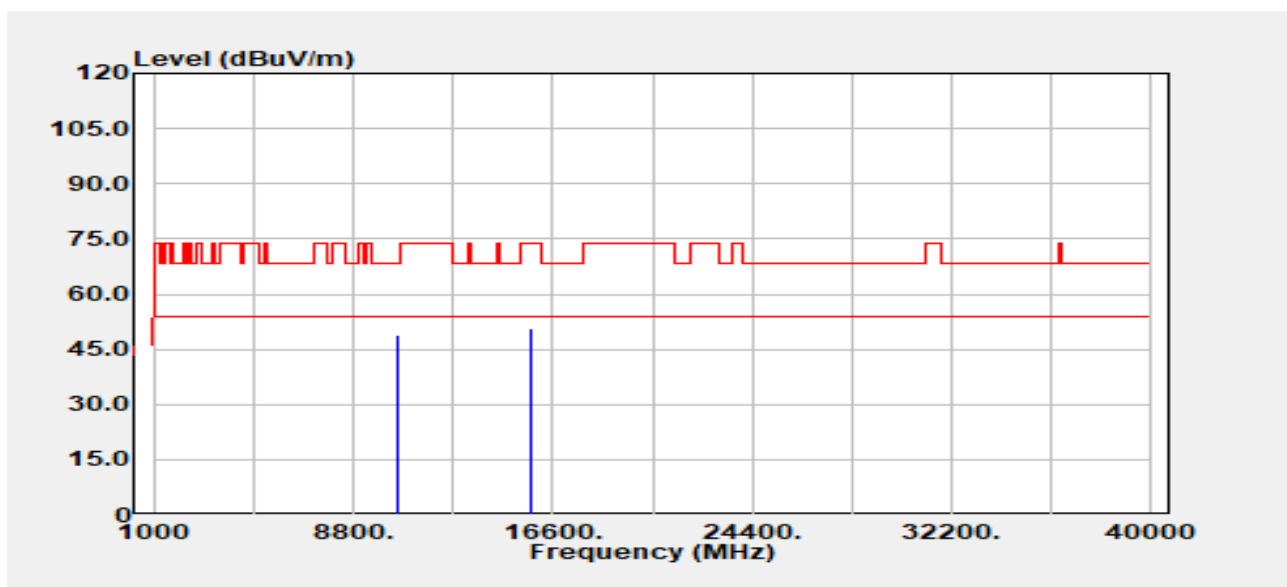
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10640.00	Peak	35.83	13.04	48.88	74.00	-25.12
10640.00	Average	29.47	13.04	42.51	54.00	-11.49
15960.00	Peak	34.09	17.41	51.50	74.00	-22.50
15960.00	Average	25.52	17.41	42.93	54.00	-11.07

Project No :TM-2405000413P
Operation Band :802.11n20/Band2
Frequency :5260 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

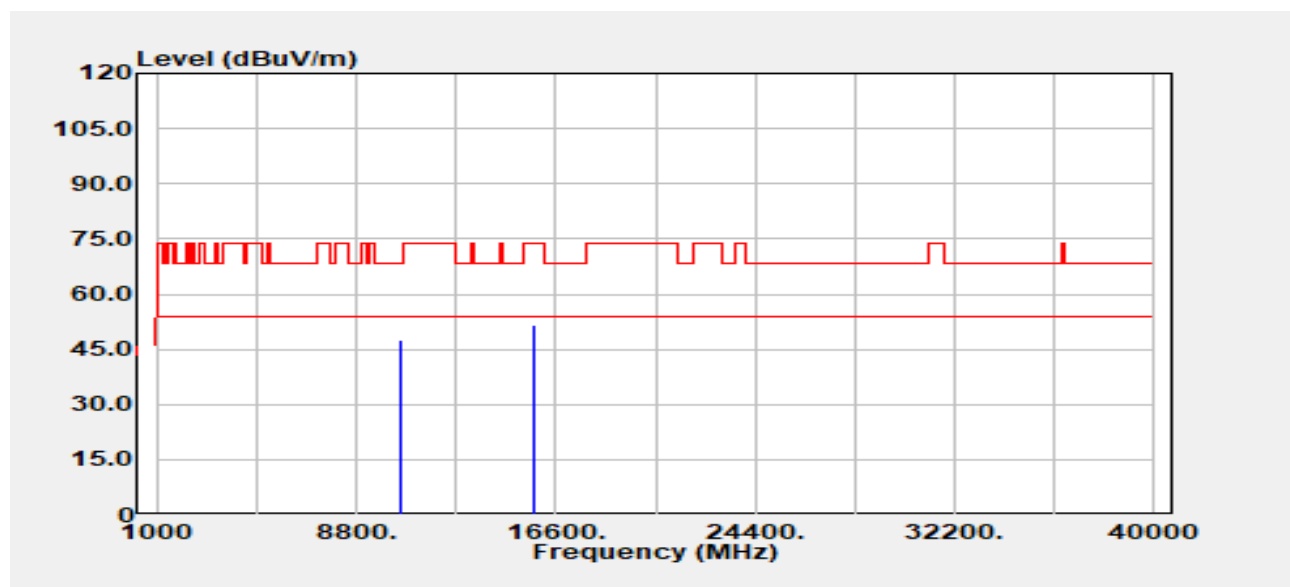
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10520.00	Peak	36.05	12.78	48.84	68.20	-19.36
15780.00	Peak	34.42	16.08	50.50	74.00	-23.50
15780.00	Average	26.51	16.08	42.59	54.00	-11.41

Project No :TM-2405000413P
Operation Band :802.11n20/Band2
Frequency :5260 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

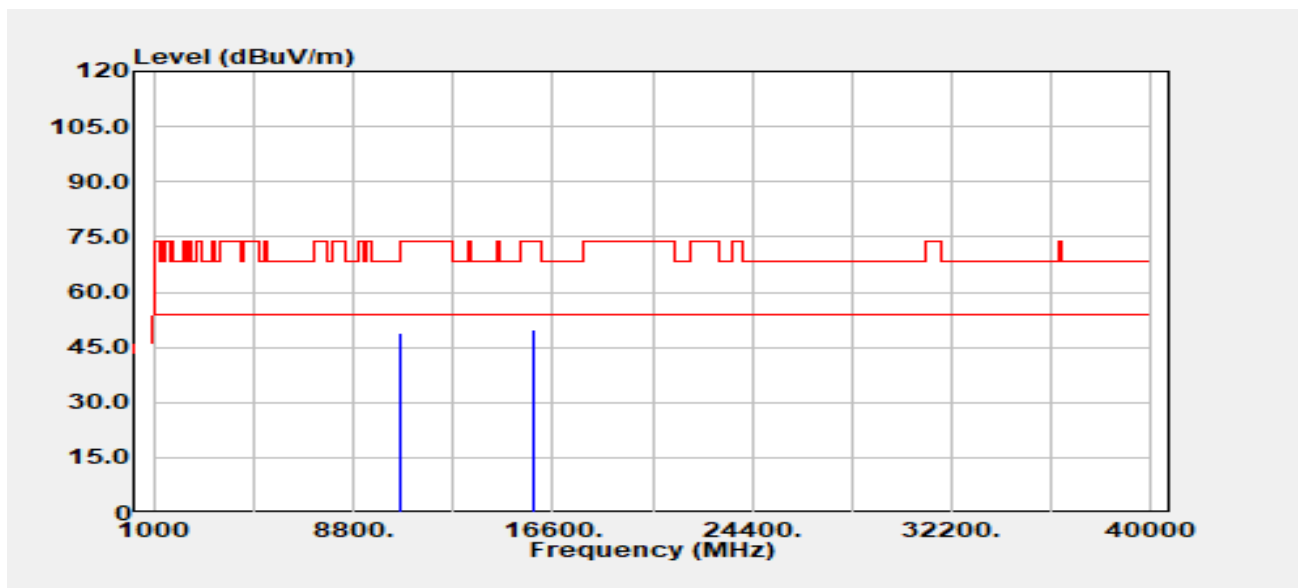
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10520.00	Peak	34.93	12.78	47.71	68.20	-20.49
15780.00	Peak	35.33	16.08	51.41	74.00	-22.59
15780.00	Average	26.57	16.08	42.65	54.00	-11.35

Project No :TM-2405000413P
Operation Band :802.11n20/Band2
Frequency :5300 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

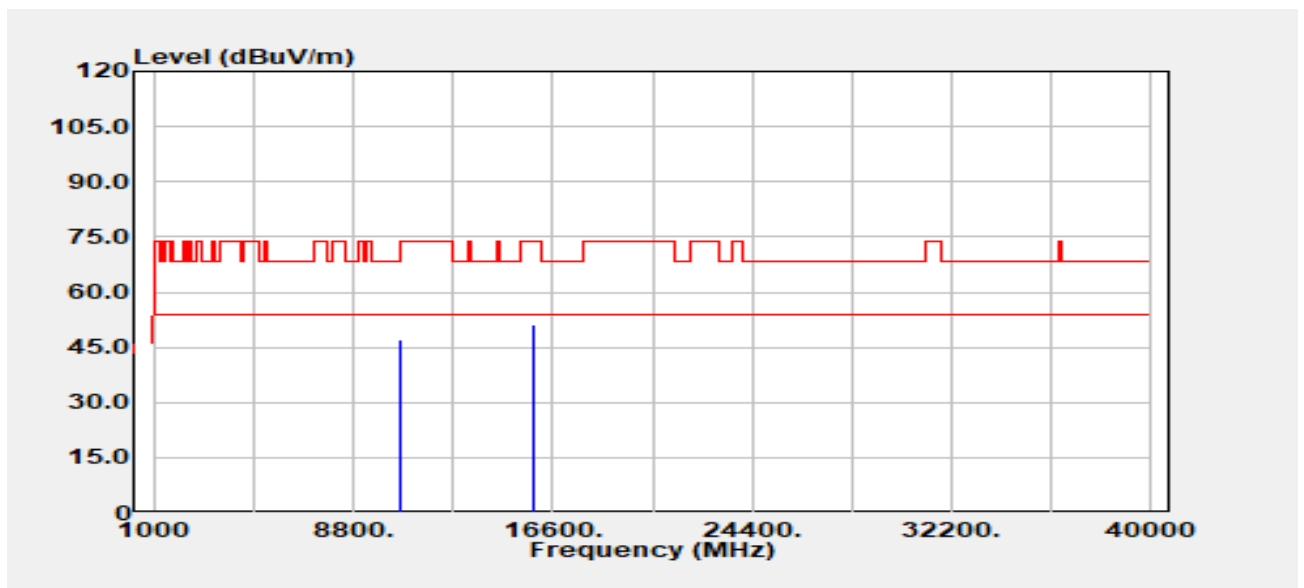


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10600.00	Peak	35.93	12.96	48.89	68.20	-19.31
15900.00	Peak	33.82	16.19	50.01	74.00	-23.99
15900.00	Average	26.26	16.19	42.45	54.00	-11.55

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band2
Frequency :5300 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

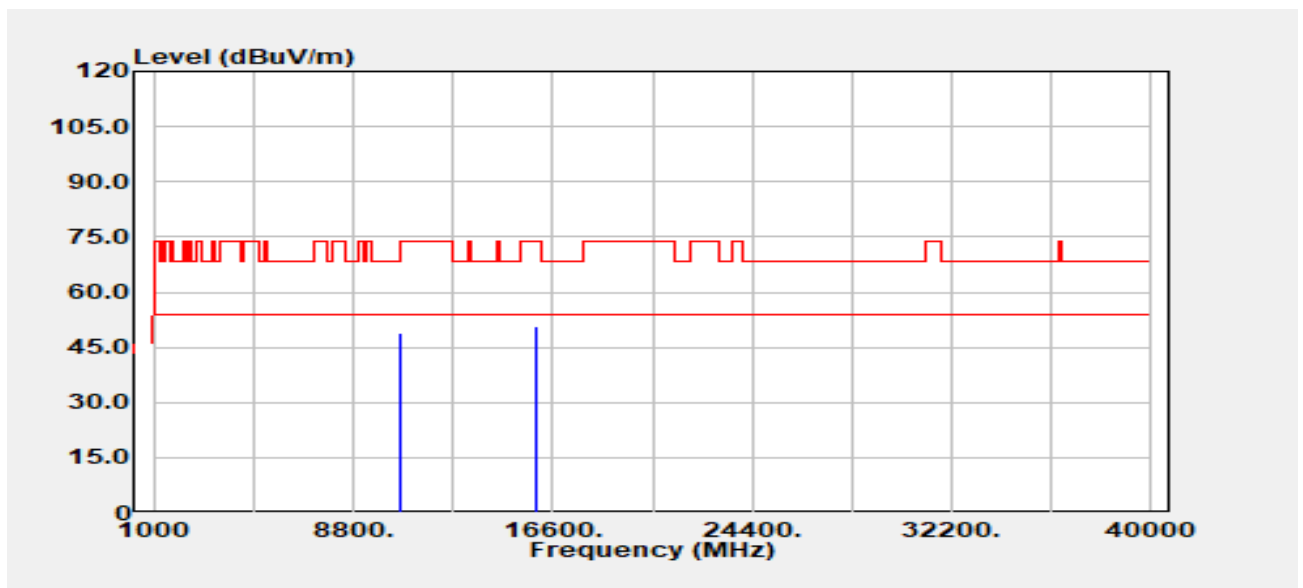
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10600.00	Peak	34.11	12.96	47.07	68.20	-21.13
15900.00	Peak	34.81	16.19	51.00	74.00	-23.00
15900.00	Average	26.28	16.19	42.47	54.00	-11.53

Project No :TM-2405000413P
Operation Band :802.11n20/Band2
Frequency :5320 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

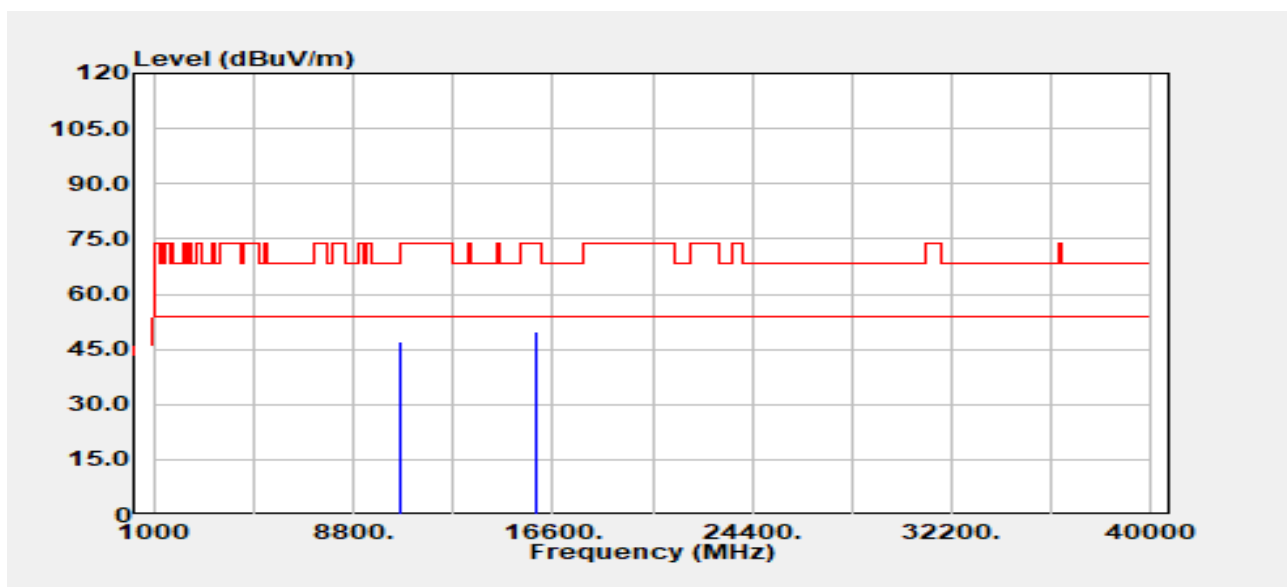


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10640.00	Peak	35.76	13.04	48.80	74.00	-25.20
10640.00	Average	31.05	13.04	44.09	54.00	-9.91
15960.00	Peak	33.53	17.41	50.94	74.00	-23.06
15960.00	Average	25.60	17.41	43.01	54.00	-10.99

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band2
Frequency :5320 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

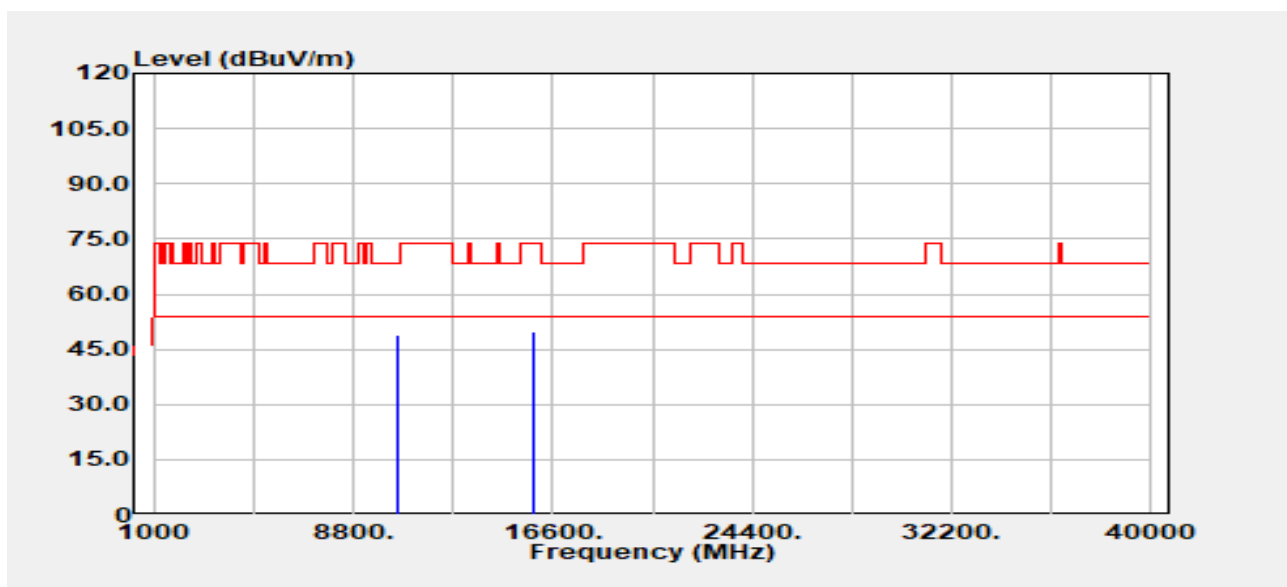
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10640.00	Peak	34.19	13.04	47.23	74.00	-26.77
10640.00	Average	27.31	13.04	40.35	54.00	-13.65
15960.00	Peak	32.43	17.41	49.84	74.00	-24.16
15960.00	Average	25.64	17.41	43.05	54.00	-10.95

Project No :TM-2405000413P
Operation Band :802.11n40/Band2
Frequency :5270 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

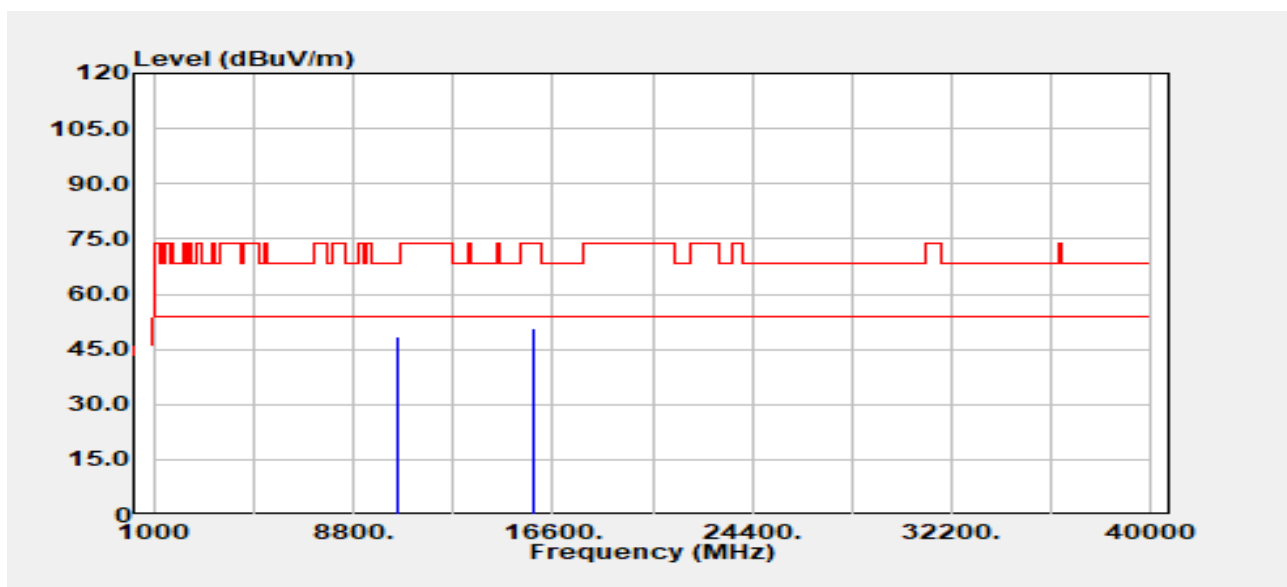
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10540.00	Peak	35.80	12.90	48.70	68.20	-19.50
15810.00	Peak	34.08	15.96	50.04	74.00	-23.96
15810.00	Average	26.22	15.96	42.18	54.00	-11.82

Project No :TM-2405000413P
Operation Band :802.11n40/Band2
Frequency :5270 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

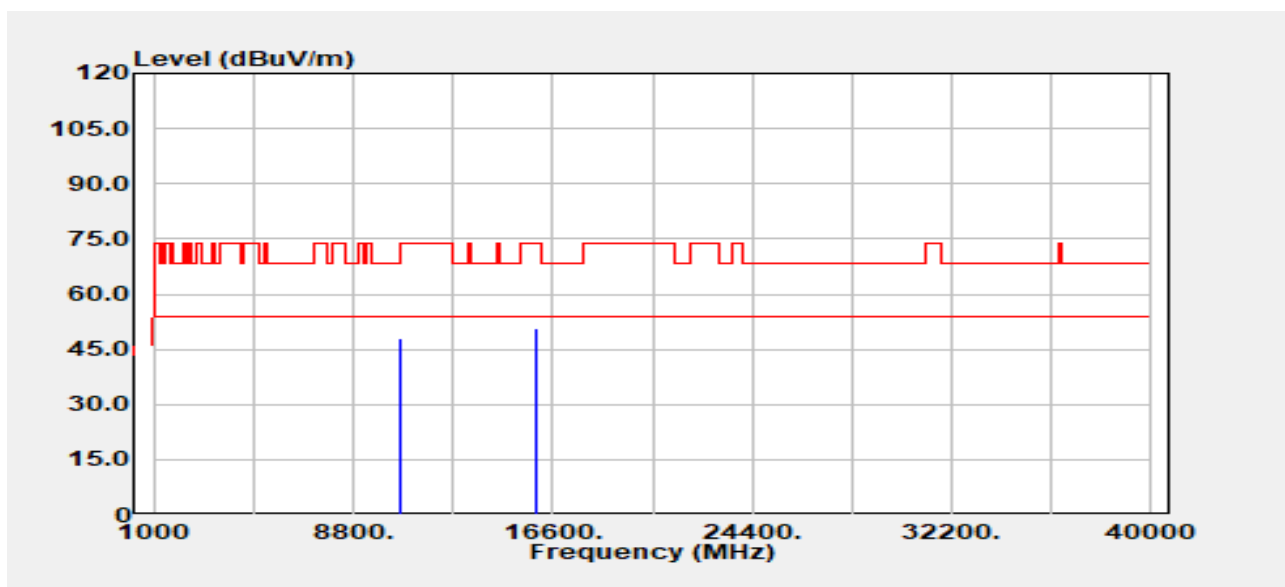
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10540.00	Peak	35.35	12.90	48.26	68.20	-19.94
15810.00	Peak	34.75	15.96	50.71	74.00	-23.29
15810.00	Average	26.23	15.96	42.19	54.00	-11.81

Project No :TM-2405000413P
Operation Band :802.11n40/Band2
Frequency :5310 MHz
Operation Mode :TX
EUT Pol :H
Setting :15.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

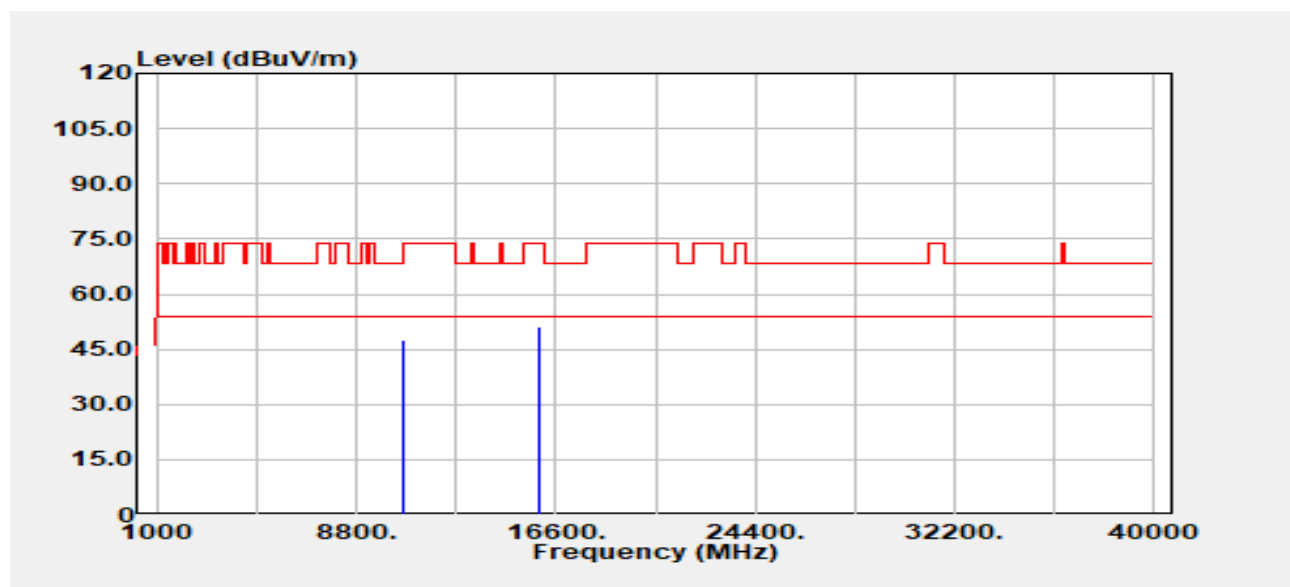


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10620.00	Peak	35.07	13.00	48.07	74.00	-25.93
10620.00	Average	30.31	13.00	43.31	54.00	-10.69
15930.00	Peak	33.73	16.94	50.67	74.00	-23.33
15930.00	Average	25.52	16.94	42.47	54.00	-11.53

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band2
Frequency :5310 MHz
Operation Mode :TX
EUT Pol :H
Setting :15.5

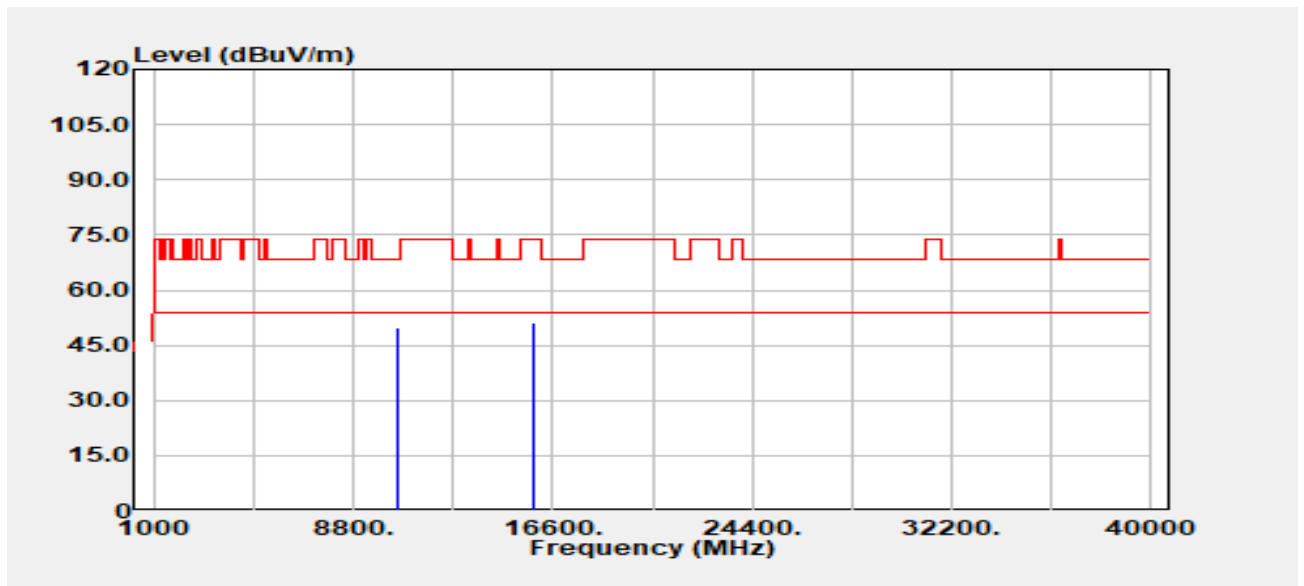
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10620.00	Peak	34.46	13.00	47.46	74.00	-26.54
10620.00	Average	30.65	13.00	43.65	54.00	-10.35
15930.00	Peak	34.22	16.94	51.17	74.00	-22.83
15930.00	Average	25.41	16.94	42.35	54.00	-11.65

Project No :TM-2405000413P
 Operation Band :802.11ac80/Band2
 Frequency :5290 MHz
 Operation Mode :TX
 EUT Pol :H
 Setting :15.5

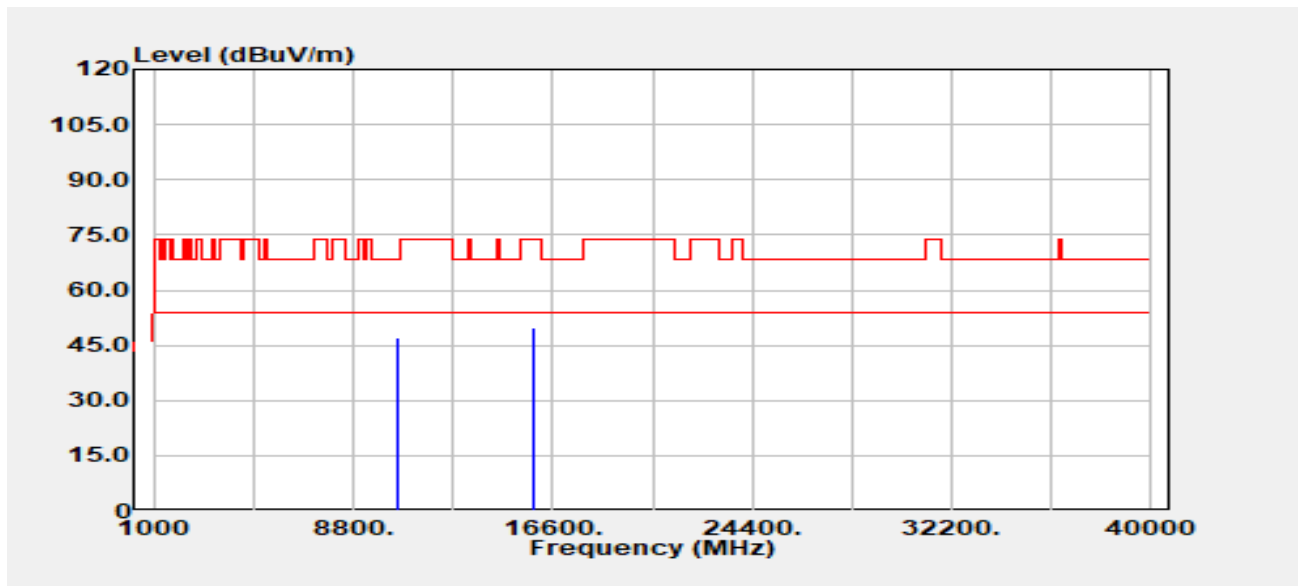
Test Date :2024-07-03
 Temp./Humi. :24.6/57
 Antenna Pol. :Vertical
 Engineer :Tony Chao
 Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10580.00	Peak	36.63	12.96	49.59	68.20	-18.61
15870.00	Peak	35.20	16.00	51.20	74.00	-22.80
15870.00	Average	26.28	16.00	42.28	54.00	-11.72

Project No :TM-2405000413P
 Operation Band :802.11ac80/Band2
 Frequency :5290 MHz
 Operation Mode :TX
 EUT Pol :H
 Setting :15.5

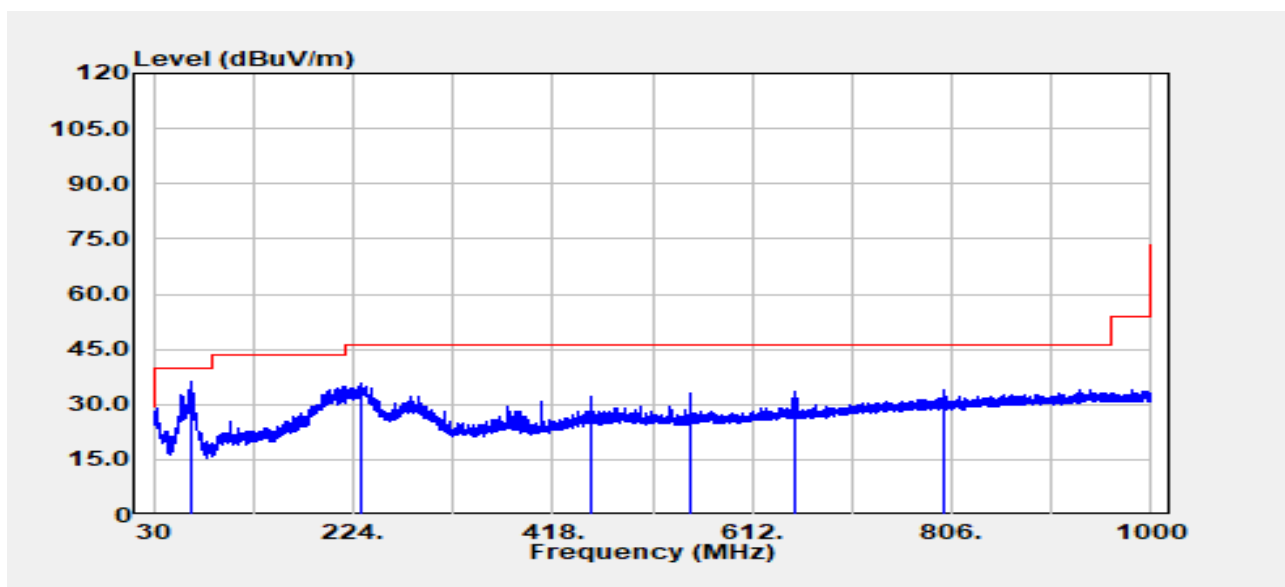
Test Date :2024-07-03
 Temp./Humi. :24.6/57
 Antenna Pol. :Horizontal
 Engineer :Tony Chao
 Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10580.00	Peak	34.31	12.96	47.27	68.20	-20.93
15870.00	Peak	33.72	16.00	49.72	74.00	-24.28
15870.00	Average	26.29	16.00	42.29	54.00	-11.71

Project No :TM-2405000413P
 Operation Band :802.11a/Band3
 Frequency :5700 MHz
 Operation Mode :TX
 EUT Pol :H
 Setting :20

Test Date :2024-07-04
 Temp./Humi. :24.6/57
 Antenna Pol. :VERTICAL
 Engineer :Ray Li
 Test Chamber : 966A

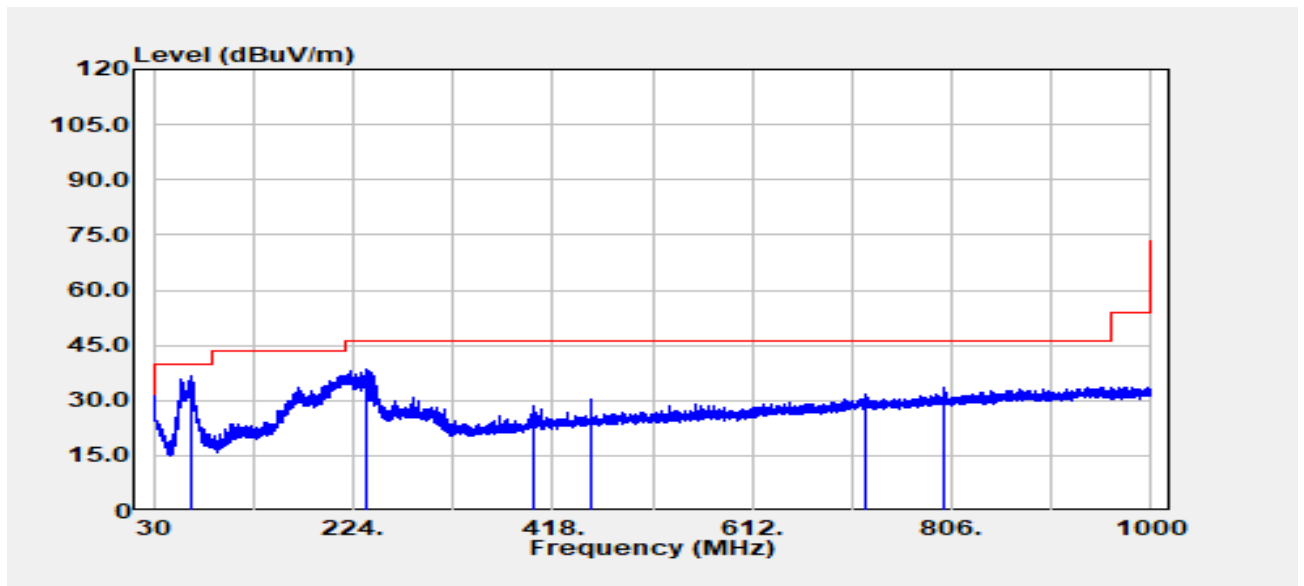


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
66.38	Peak	51.80	-15.45	36.35	40.00	-3.65
231.76	Peak	46.75	-11.14	35.62	46.00	-10.38
456.07	Peak	36.16	-4.21	31.95	46.00	-14.05
551.86	Peak	35.61	-2.65	32.96	46.00	-13.04
654.32	Peak	34.03	-0.66	33.37	46.00	-12.63
799.33	Peak	32.40	1.48	33.87	46.00	-12.13

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band3
Frequency :5700 MHz
Operation Mode :TX
EUT Pol :H
Setting :20

Test Date :2024-07-04
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

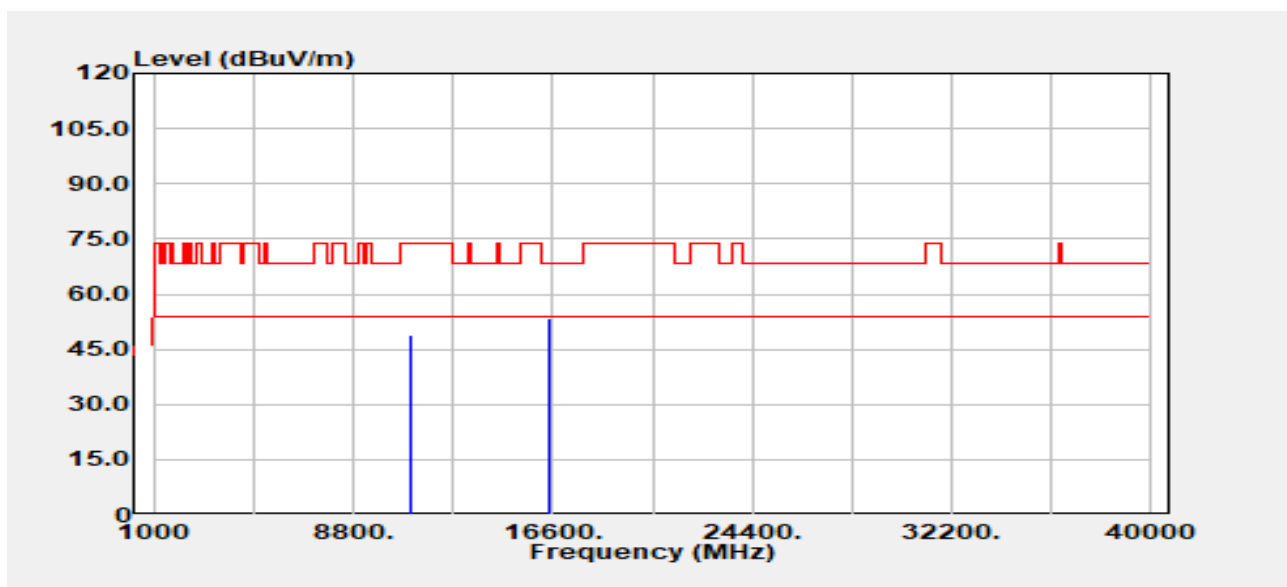


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
66.38	Peak	52.03	-15.45	36.59	40.00	-3.41
236.25	Peak	49.21	-10.82	38.39	46.00	-7.61
398.36	Peak	34.38	-5.82	28.56	46.00	-17.44
455.95	Peak	34.73	-4.21	30.51	46.00	-15.49
722.22	Peak	31.11	0.36	31.48	46.00	-14.52
797.51	Peak	31.90	1.47	33.36	46.00	-12.64

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band3
Frequency :5500 MHz
Operation Mode :TX
EUT Pol :H
Setting :20.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

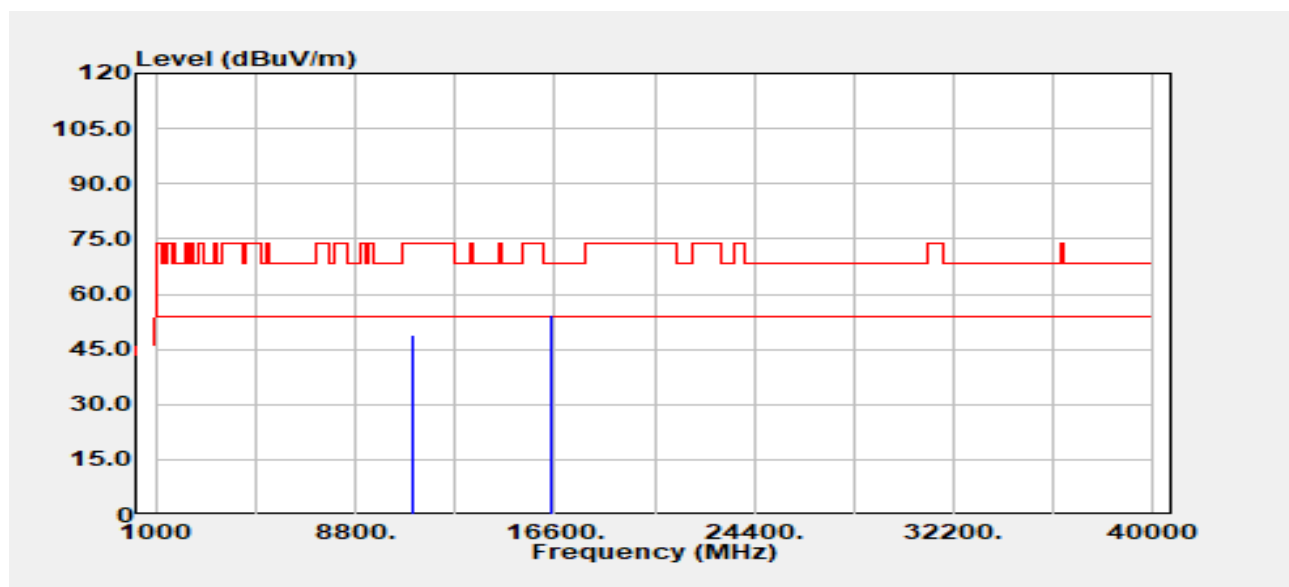


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11000.00	Peak	35.26	13.59	48.85	74.00	-25.15
11000.00	Average	31.23	13.59	44.82	54.00	-9.18
16500.00	Peak	32.30	21.16	53.46	68.20	-14.74

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band3
Frequency :5500 MHz
Operation Mode :TX
EUT Pol :H
Setting :20.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

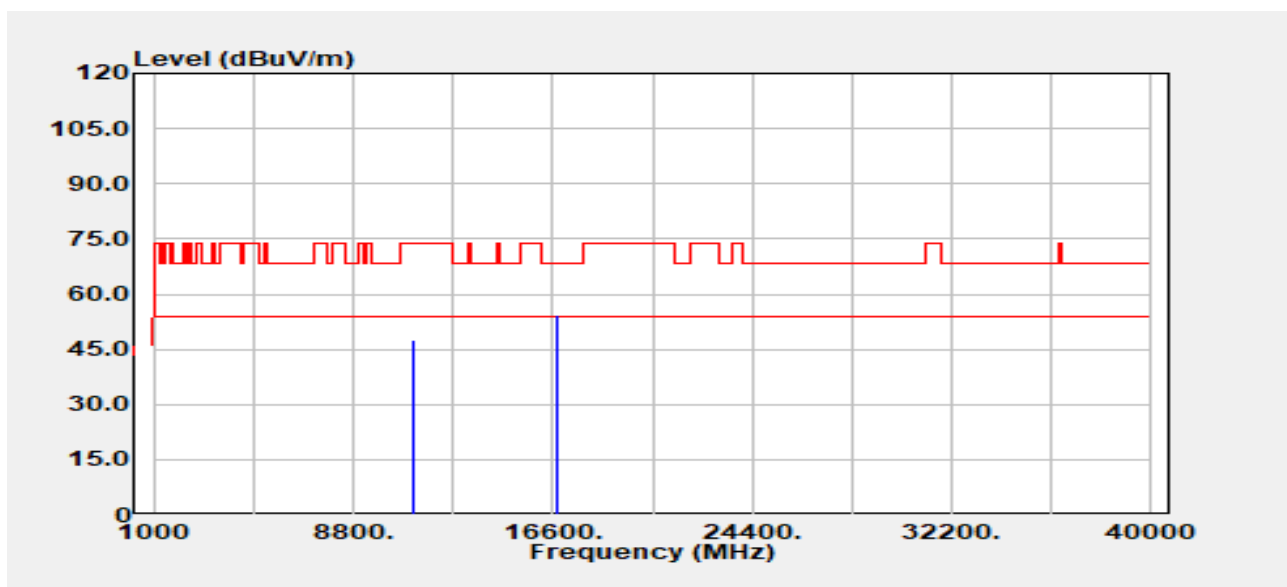


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11000.00	Peak	35.28	13.59	48.87	74.00	-25.13
11000.00	Average	30.91	13.59	44.50	54.00	-9.50
16500.00	Peak	33.00	21.16	54.16	68.20	-14.04

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band3
Frequency :5580 MHz
Operation Mode :TX
EUT Pol :H
Setting :20.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

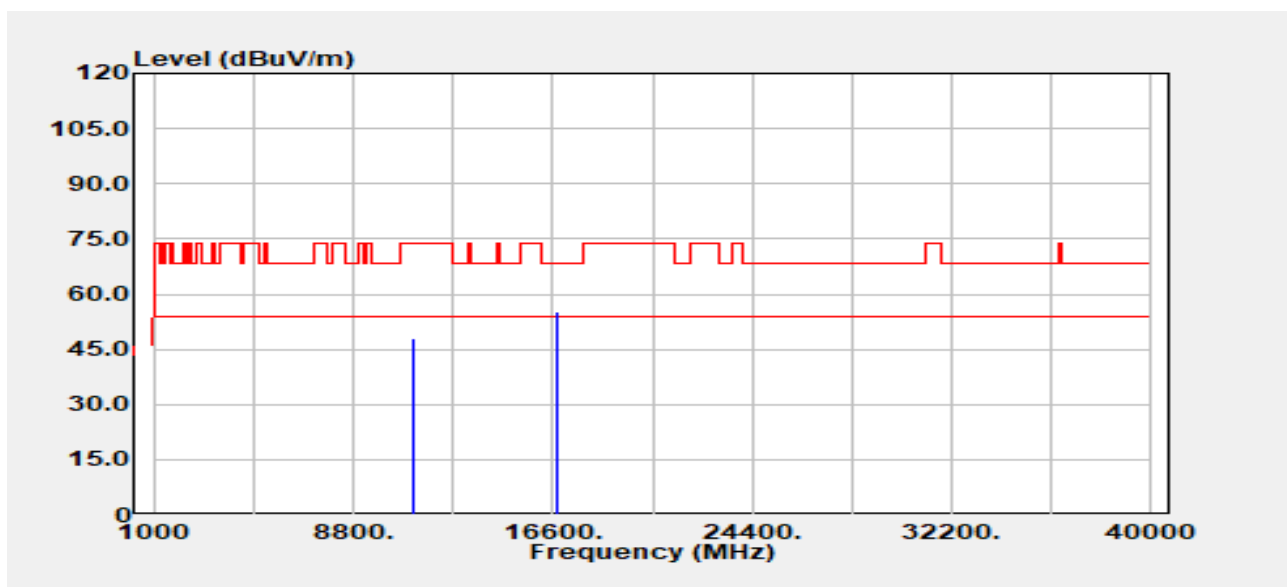


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11160.00	Peak	33.92	13.61	47.53	74.00	-26.47
11160.00	Average	29.66	13.61	43.27	54.00	-10.73
16740.00	Peak	31.93	22.60	54.53	68.20	-13.67

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band3
Frequency :5580 MHz
Operation Mode :TX
EUT Pol :H
Setting :20.5

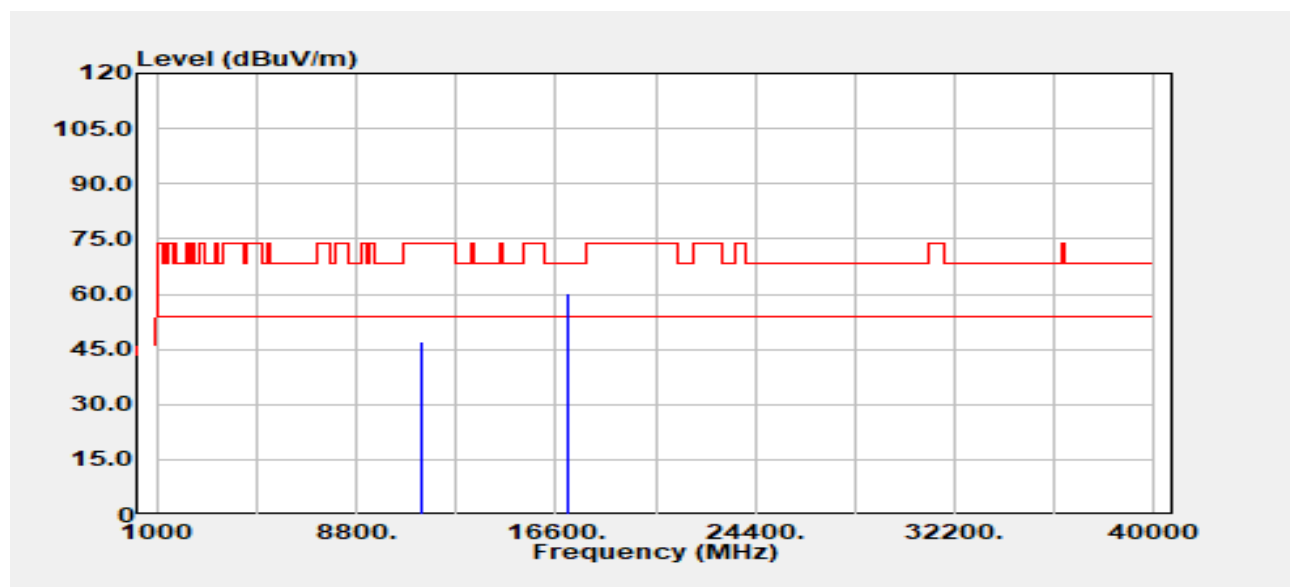
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11160.00	Peak	34.42	13.61	48.03	74.00	-25.97
11160.00	Average	29.93	13.61	43.54	54.00	-10.46
16740.00	Peak	32.61	22.60	55.22	68.20	-12.98

Report No.: TMWK2406002104KR

Project No	:TM-2405000413P	Test Date	:2024-07-02
Operation Band	:802.11a/Band3	Temp./Humi.	:24.6/57
Frequency	:5700 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:H	Test Chamber	: 966A
Setting	:20		

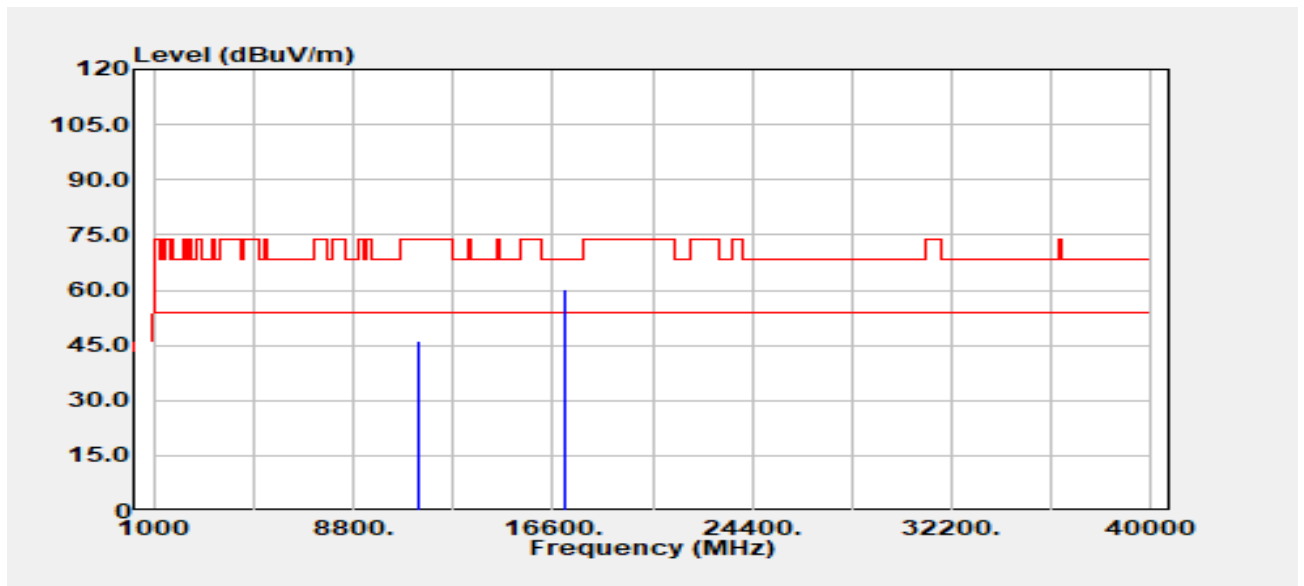


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11400.00	Peak	33.31	13.81	47.12	74.00	-26.88
11400.00	Average	27.34	13.81	41.15	54.00	-12.85
17100.00	Peak	32.84	27.61	60.45	68.20	-7.75

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band3
Frequency :5700 MHz
Operation Mode :TX
EUT Pol :H
Setting :20

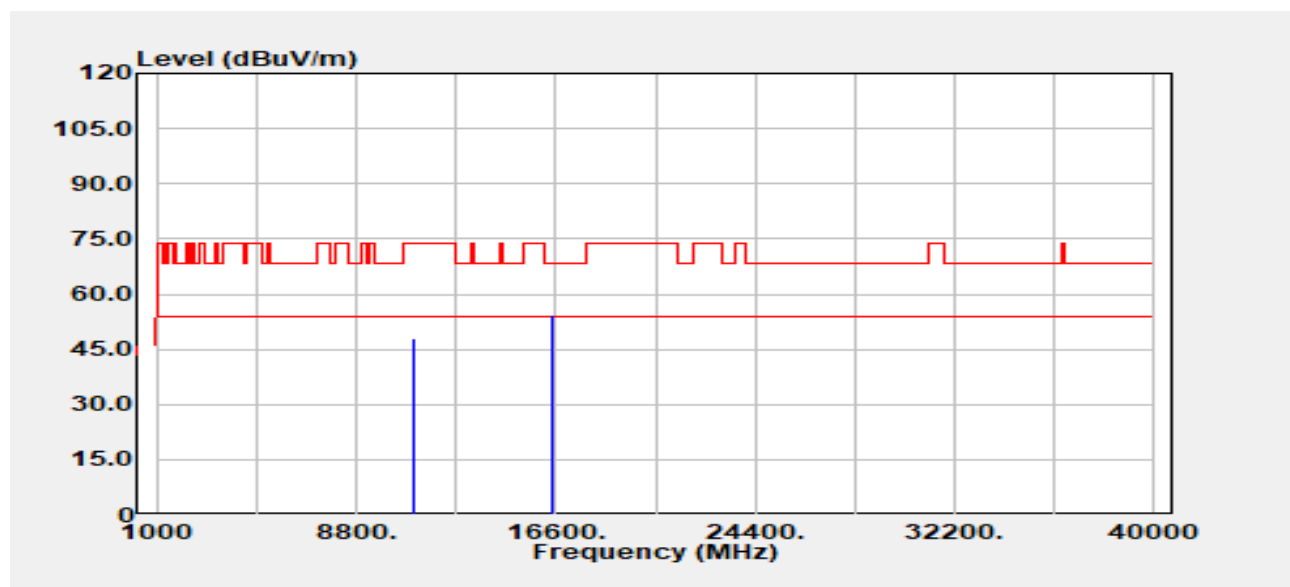
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11400.00	Peak	32.18	13.81	45.99	74.00	-28.01
11400.00	Average	28.19	13.81	42.00	54.00	-12.00
17100.00	Peak	32.74	27.61	60.35	68.20	-7.85

Project No :TM-2405000413P
Operation Band :802.11n20/Band3
Frequency :5500 MHz
Operation Mode :TX
EUT Pol :H
Setting :19

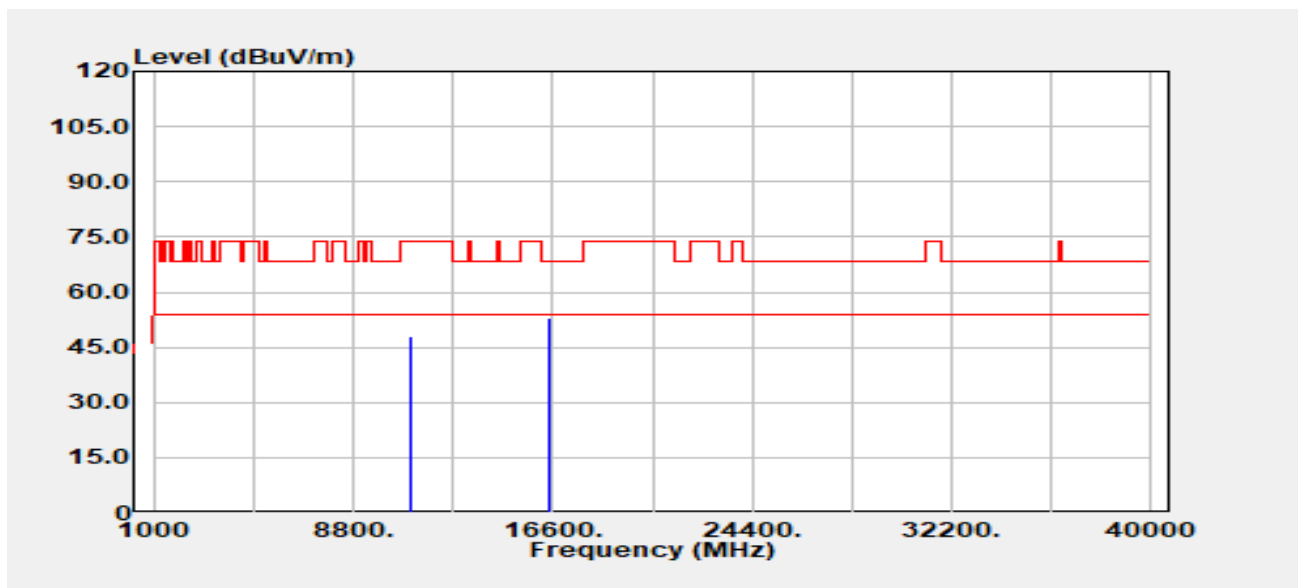
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11000.00	Peak	34.44	13.59	48.03	74.00	-25.97
11000.00	Average	31.54	13.59	45.13	54.00	-8.87
16500.00	Peak	33.15	21.16	54.31	68.20	-13.89

Project No :TM-2405000413P
 Operation Band :802.11n20/Band3
 Frequency :5500 MHz
 Operation Mode :TX
 EUT Pol :H
 Setting :19

Test Date :2024-07-02
 Temp./Humi. :24.6/57
 Antenna Pol. :Horizontal
 Engineer :Ray Li
 Test Chamber : 966A

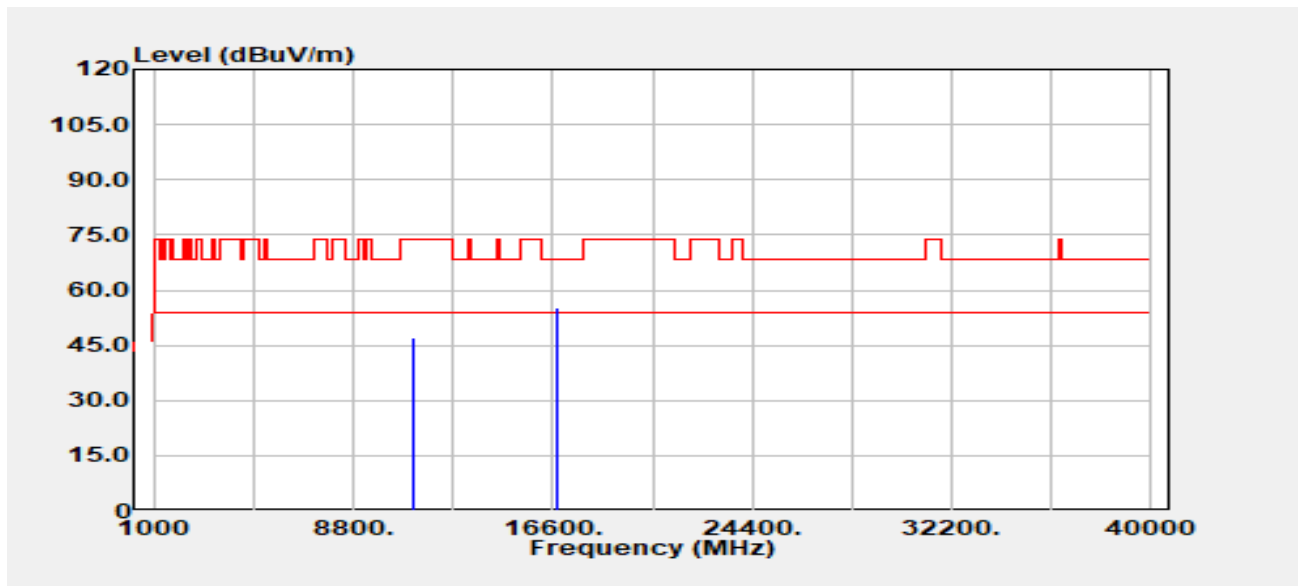


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11000.00	Peak	34.51	13.59	48.10	74.00	-25.90
11000.00	Average	27.92	13.59	41.51	54.00	-12.49
16500.00	Peak	31.77	21.16	52.93	68.20	-15.27

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band3
Frequency :5580 MHz
Operation Mode :TX
EUT Pol :H
Setting :19

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

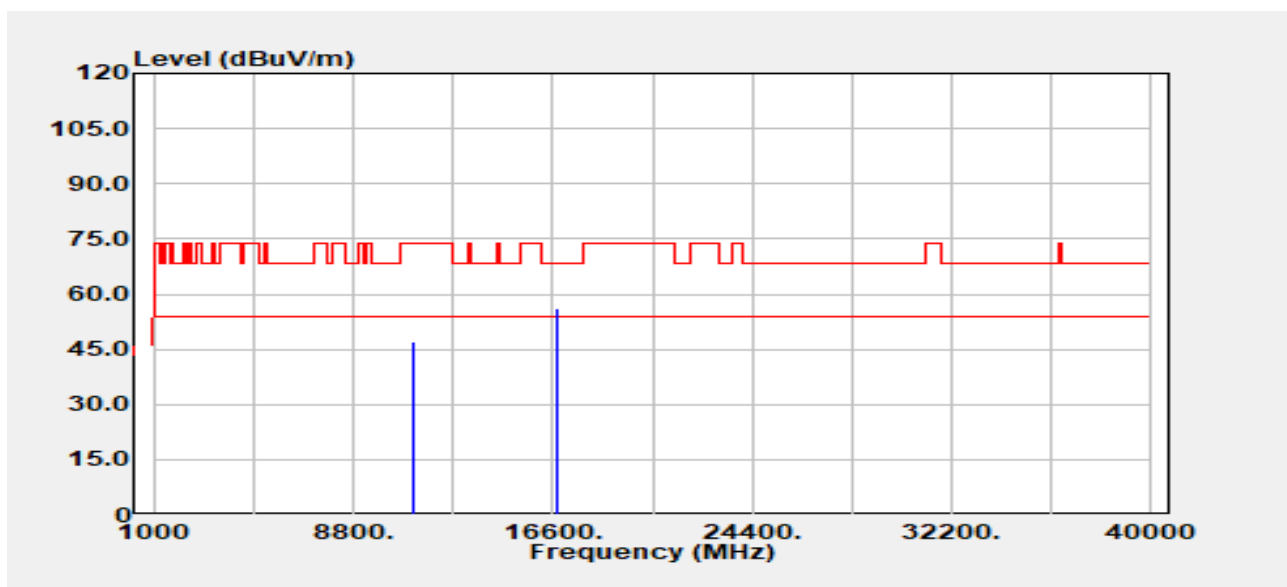


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11160.00	Peak	33.65	13.61	47.27	74.00	-26.73
11160.00	Average	30.02	13.61	43.64	54.00	-10.36
16740.00	Peak	32.42	22.60	55.03	68.20	-13.17

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band3
Frequency :5580 MHz
Operation Mode :TX
EUT Pol :H
Setting :19

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

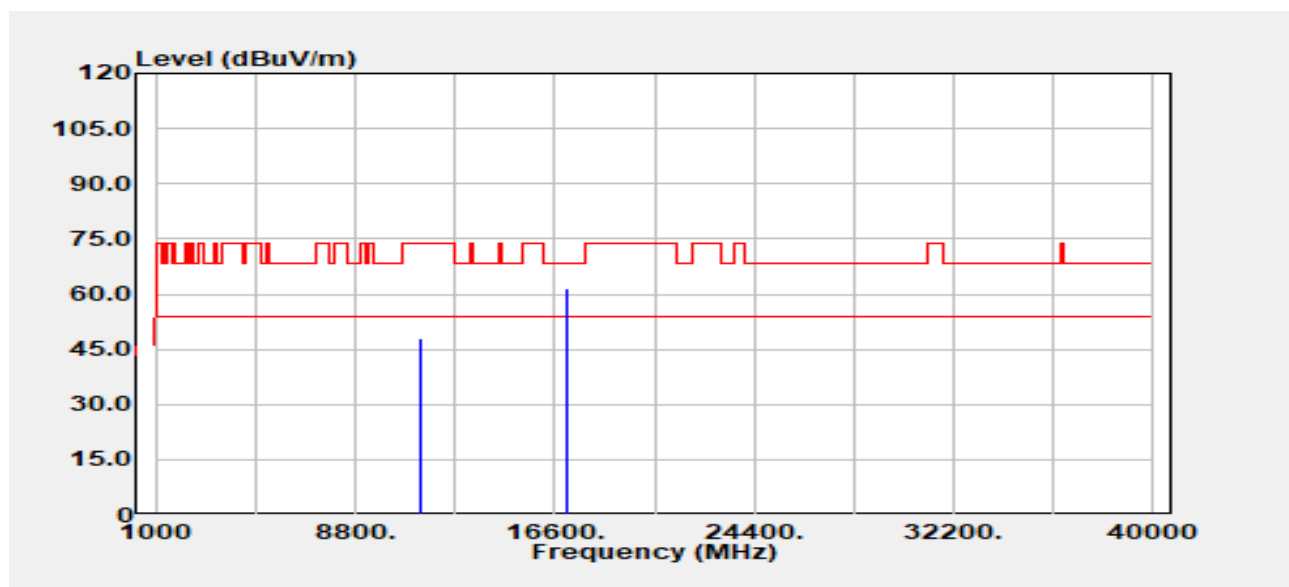


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11160.00	Peak	33.44	13.61	47.05	74.00	-26.95
11160.00	Average	27.37	13.61	40.98	54.00	-13.02
16740.00	Peak	33.62	22.60	56.22	68.20	-11.98

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band3
Frequency :5700 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

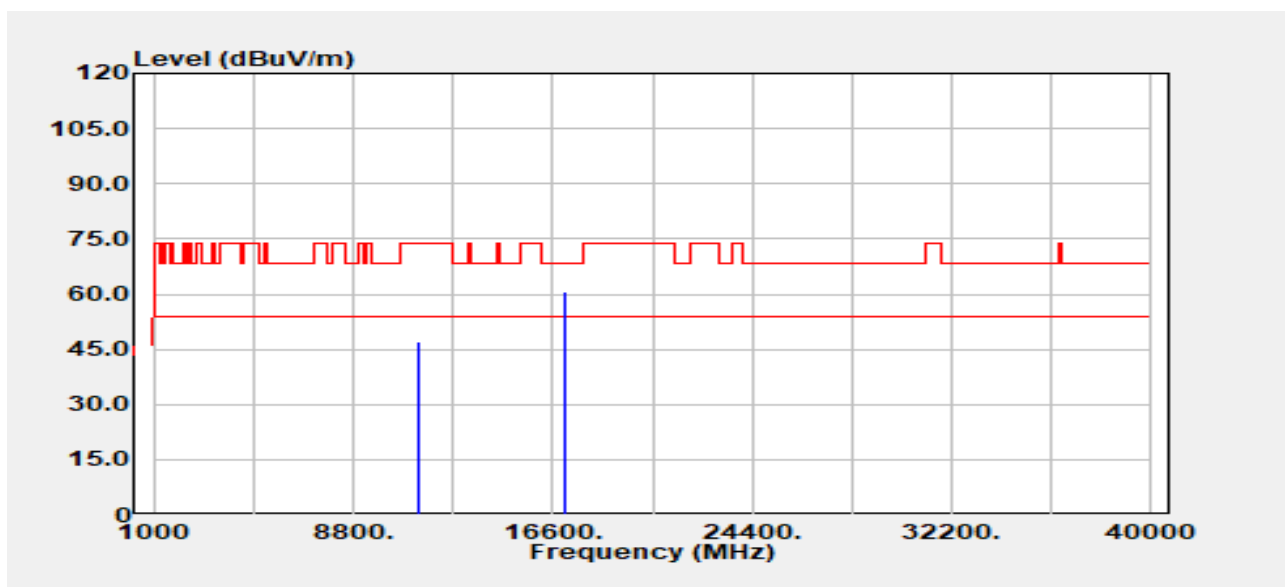
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11400.00	Peak	34.02	13.81	47.83	74.00	-26.17
11400.00	Average	28.32	13.81	42.13	54.00	-11.87
17100.00	Peak	33.87	27.61	61.48	68.20	-6.72

Project No :TM-2405000413P
Operation Band :802.11n20/Band3
Frequency :5700 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

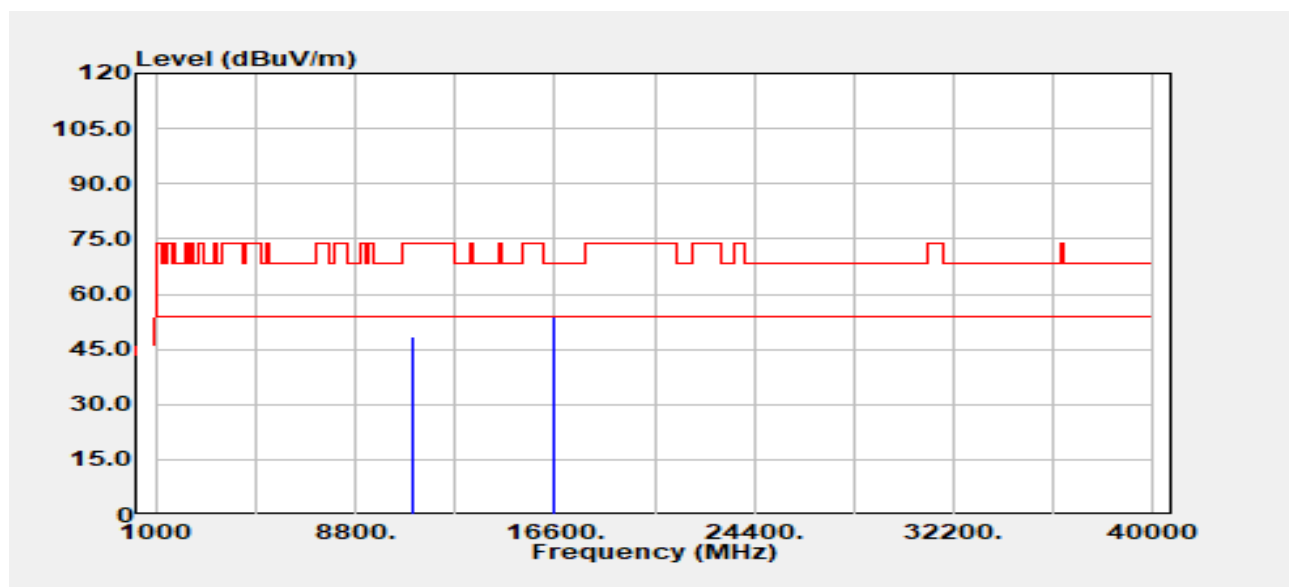
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBuV	Factor dB	Actual FS dBuV/m	Limit dBuV/m	Margin dB
11400.00	Peak	33.50	13.81	47.31	74.00	-26.69
11400.00	Average	27.10	13.81	40.91	54.00	-13.09
17100.00	Peak	33.16	27.61	60.77	68.20	-7.43

Project No :TM-2405000413P
Operation Band :802.11n40/Band3
Frequency :5510 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

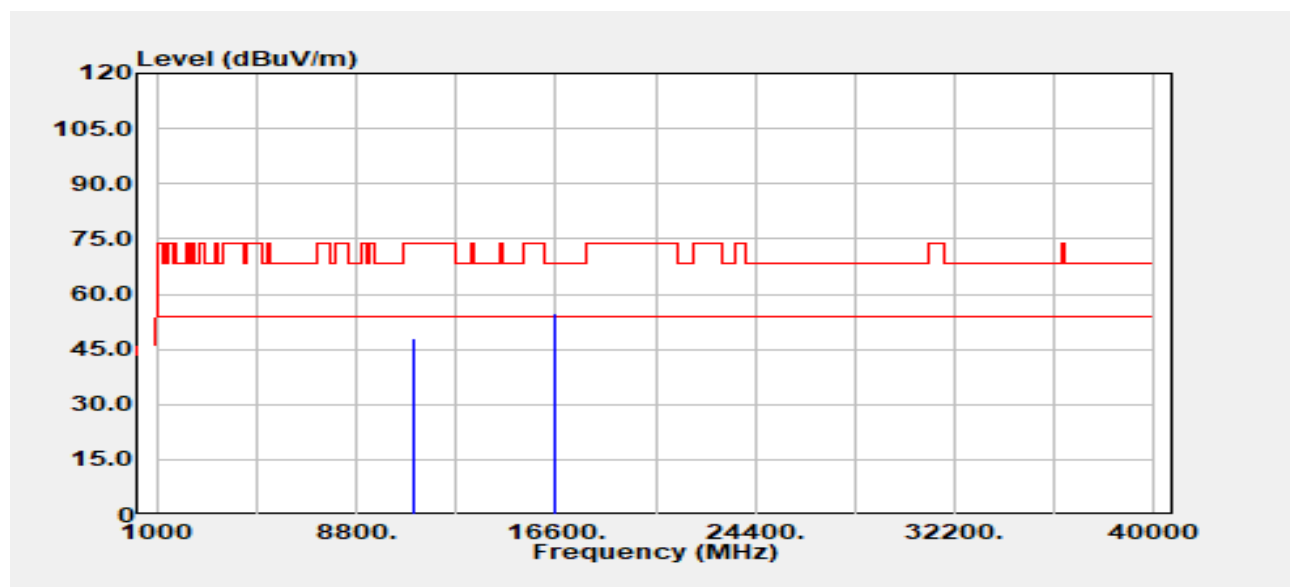


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11020.00	Peak	34.91	13.75	48.66	74.00	-25.34
11020.00	Average	30.95	13.75	44.70	54.00	-9.30
16530.00	Peak	32.80	20.98	53.77	68.20	-14.43

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band3
Frequency :5510 MHz
Operation Mode :TX
EUT Pol :H
Setting :18

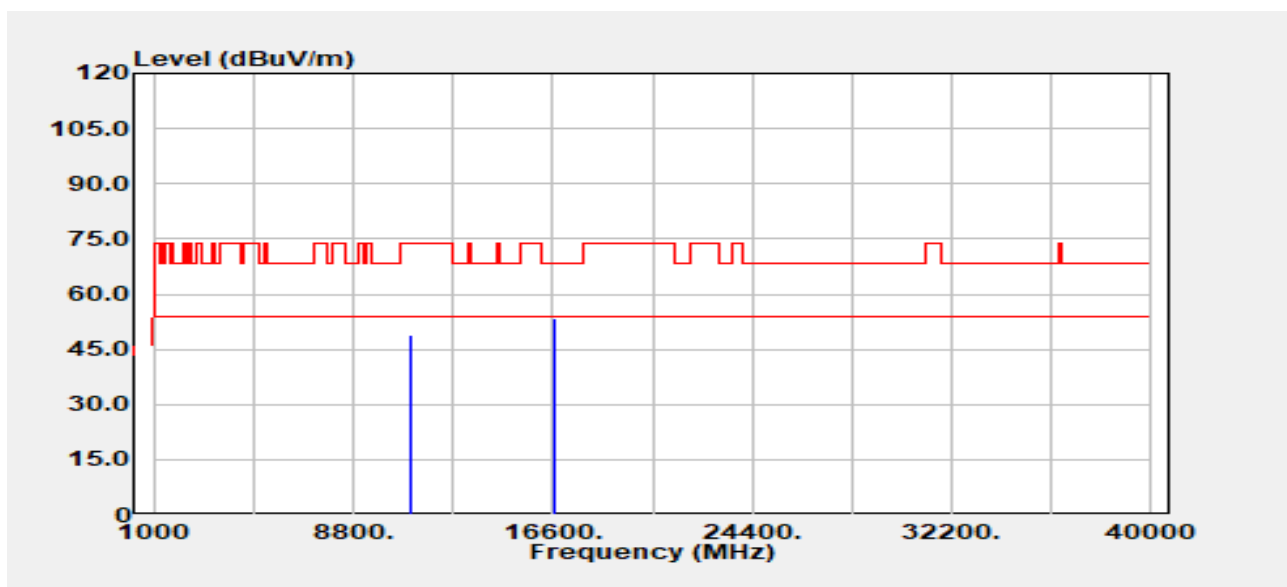
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11020.00	Peak	34.21	13.75	47.95	74.00	-26.05
11020.00	Average	30.88	13.75	44.63	54.00	-9.37
16530.00	Peak	33.68	20.98	54.66	68.20	-13.54

Project No :TM-2405000413P
Operation Band :802.11n40/Band3
Frequency :5550 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

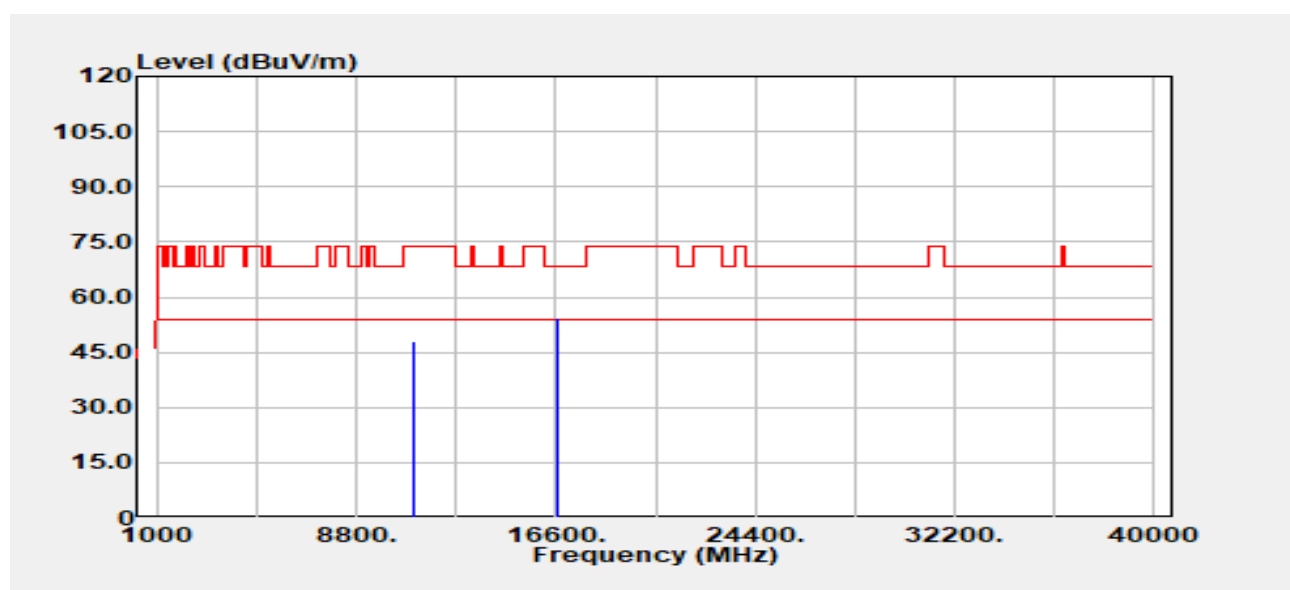


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11100.00	Peak	34.99	13.93	48.92	74.00	-25.08
11100.00	Average	29.90	13.93	43.83	54.00	-10.17
16650.00	Peak	32.03	21.52	53.55	68.20	-14.65

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band3
Frequency :5550 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

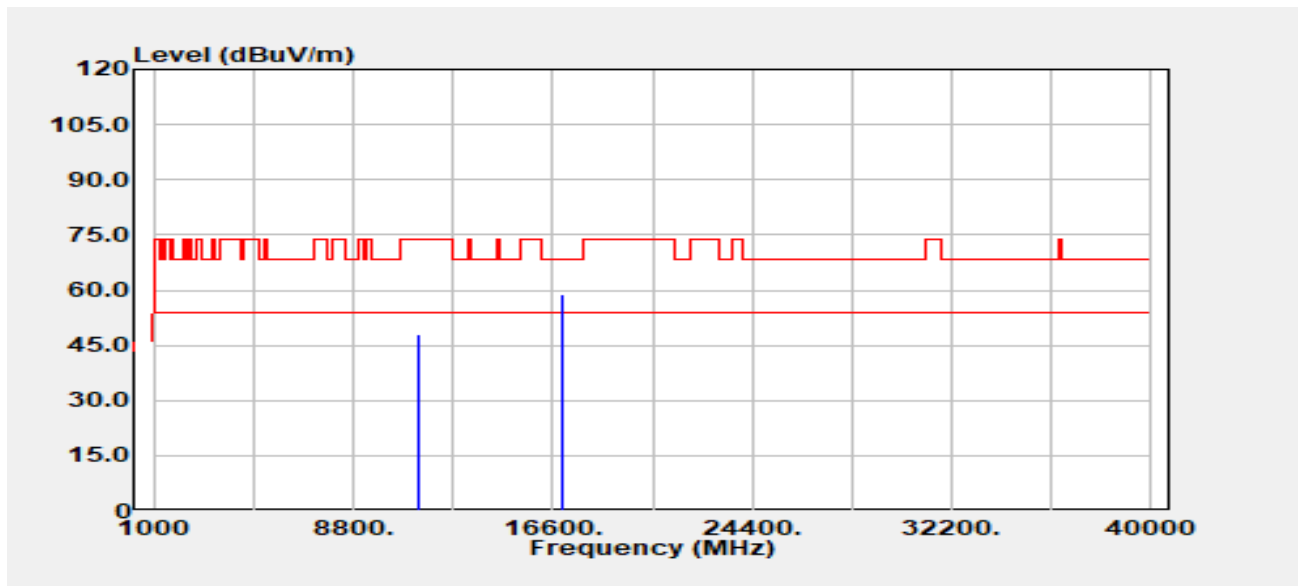


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11100.00	Peak	33.90	13.93	47.83	74.00	-26.17
11100.00	Average	29.42	13.93	43.35	54.00	-10.65
16650.00	Peak	32.61	21.52	54.13	68.20	-14.07

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band3
Frequency :5670 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

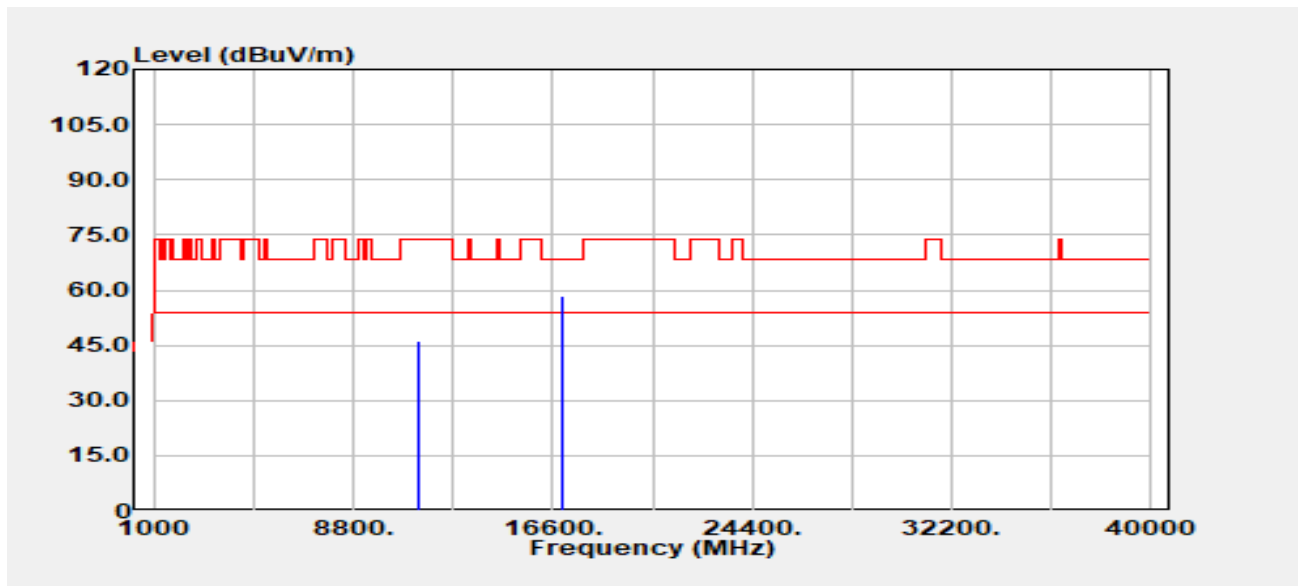


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11340.00	Peak	34.03	13.87	47.90	74.00	-26.10
11340.00	Average	28.80	13.87	42.66	54.00	-11.34
17010.00	Peak	32.24	26.82	59.06	68.20	-9.14

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band3
Frequency :5670 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

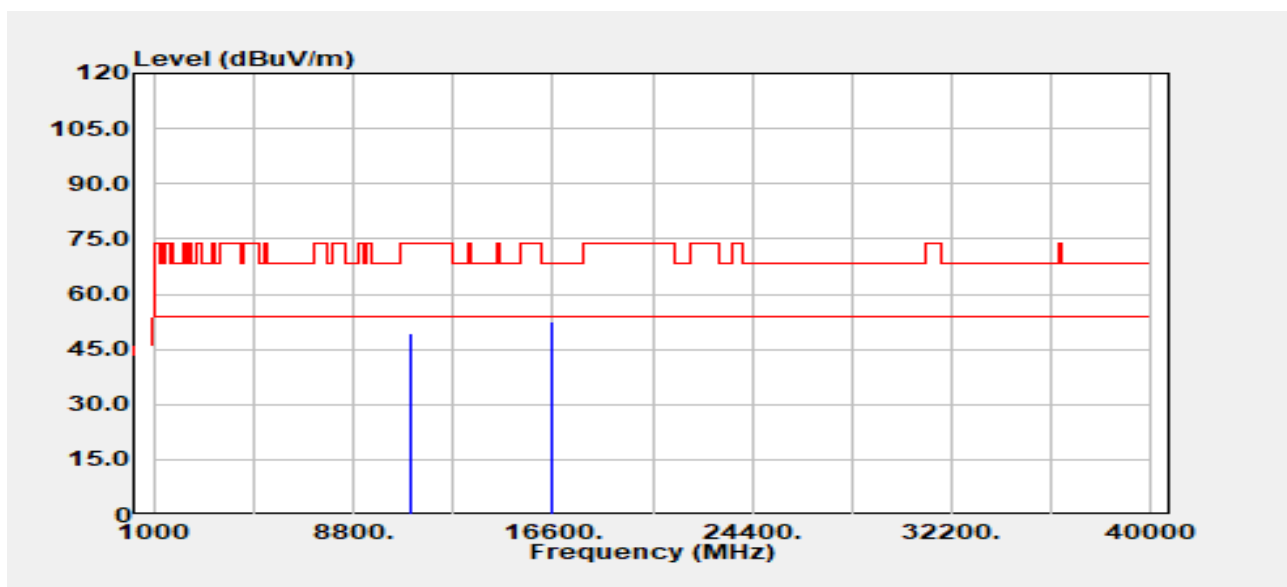


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11340.00	Peak	32.54	13.87	46.40	74.00	-27.60
11340.00	Average	26.59	13.87	40.46	54.00	-13.54
17010.00	Peak	31.62	26.82	58.44	68.20	-9.76

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band3
Frequency :5530 MHz
Operation Mode :TX
EUT Pol :H
Setting :19

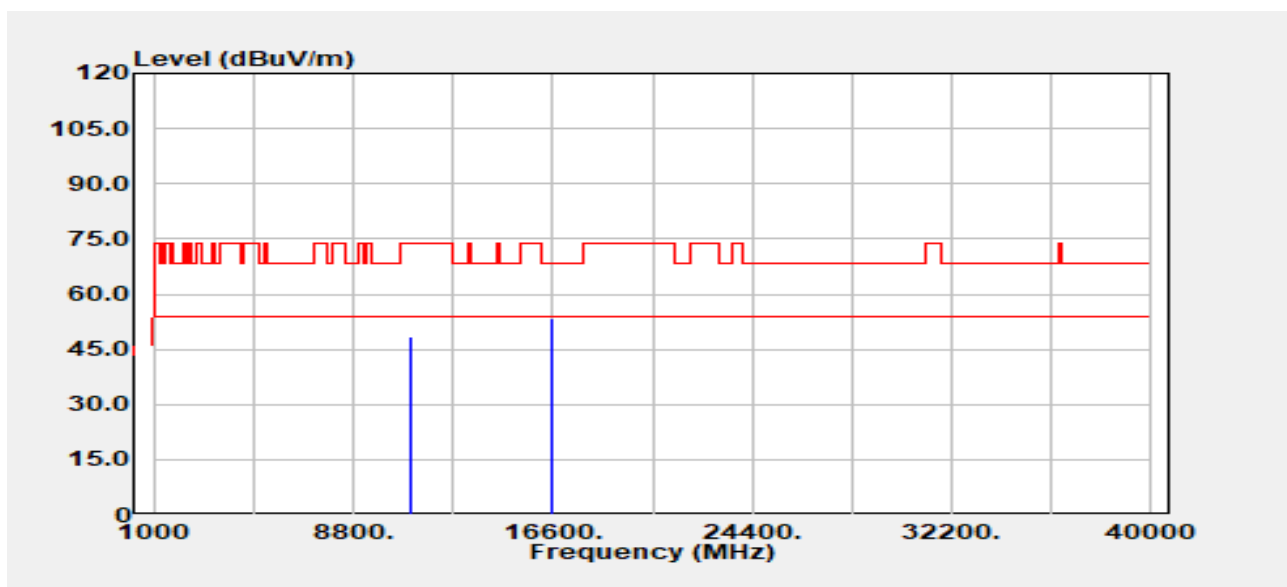
Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11060.00	Peak	35.61	13.97	49.58	74.00	-24.42
11060.00	Average	31.49	13.97	45.46	54.00	-8.54
16590.00	Peak	31.55	21.10	52.65	68.20	-15.55

Project No :TM-2405000413P
Operation Band :802.11ac80/Band3
Frequency :5530 MHz
Operation Mode :TX
EUT Pol :H
Setting :19

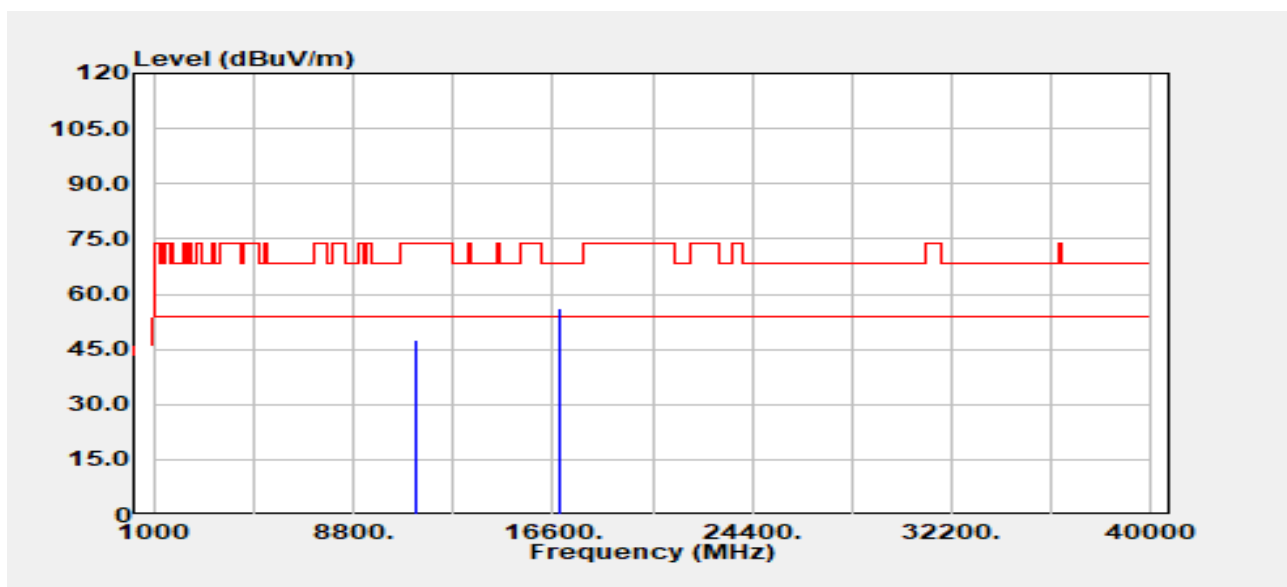
Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11060.00	Peak	34.38	13.97	48.35	74.00	-25.65
11060.00	Average	29.19	13.97	43.16	54.00	-10.84
16590.00	Peak	32.13	21.10	53.23	68.20	-14.97

Project No :TM-2405000413P
Operation Band :802.11ac80/Band3
Frequency :5610 MHz
Operation Mode :TX
EUT Pol :H
Setting :20.5

Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

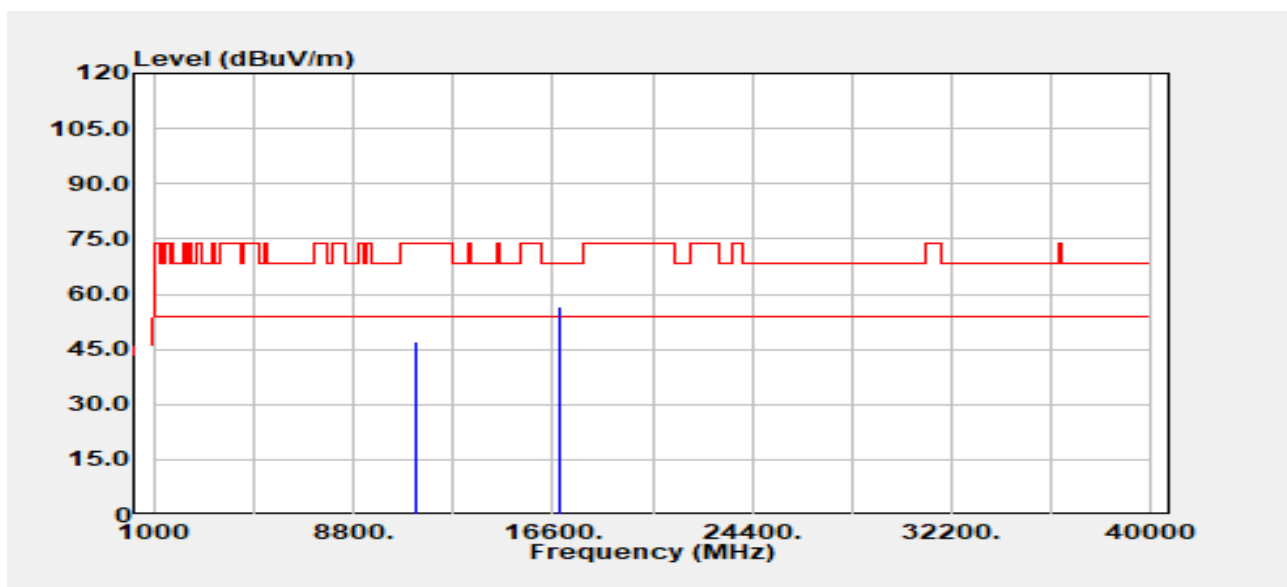


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11220.00	Peak	33.68	13.87	47.56	74.00	-26.44
11220.00	Average	29.51	13.87	43.38	54.00	-10.62
16830.00	Peak	31.87	24.12	55.99	68.20	-12.21

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band3
Frequency :5610 MHz
Operation Mode :TX
EUT Pol :H
Setting :20.5

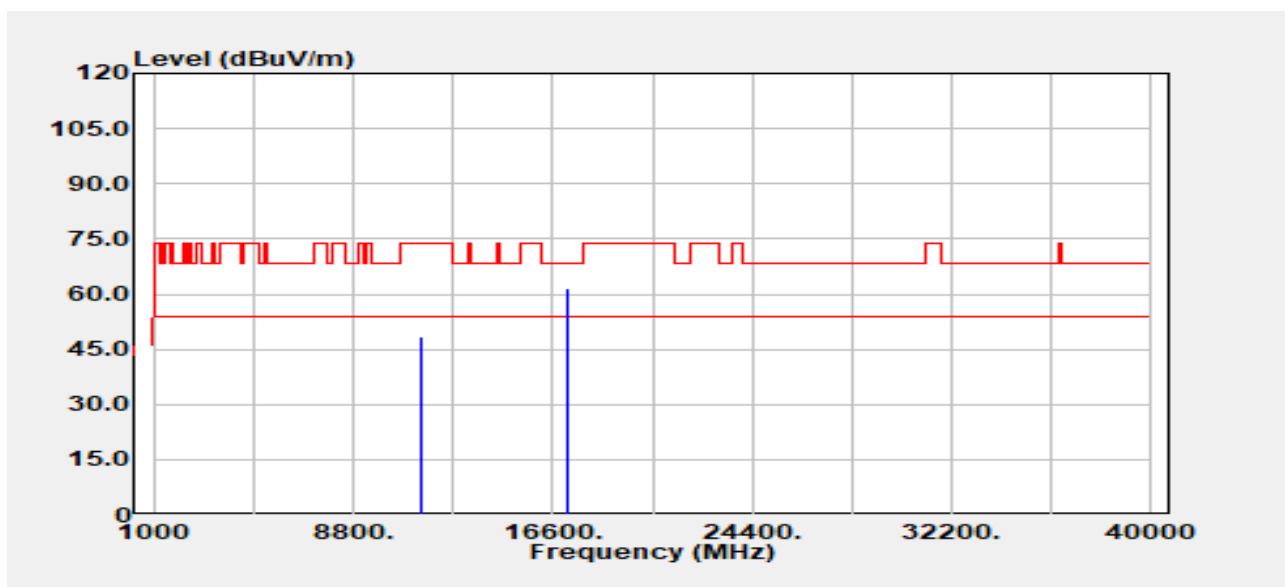
Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11220.00	Peak	33.06	13.87	46.93	74.00	-27.07
11220.00	Average	26.86	13.87	40.73	54.00	-13.27
16830.00	Peak	32.50	24.12	56.62	68.20	-11.58

Project No :TM-2405000413P
Operation Band :802.11a/Band3~4
Frequency :5720 MHz
Operation Mode :TX
EUT Pol :H
Setting :20.5

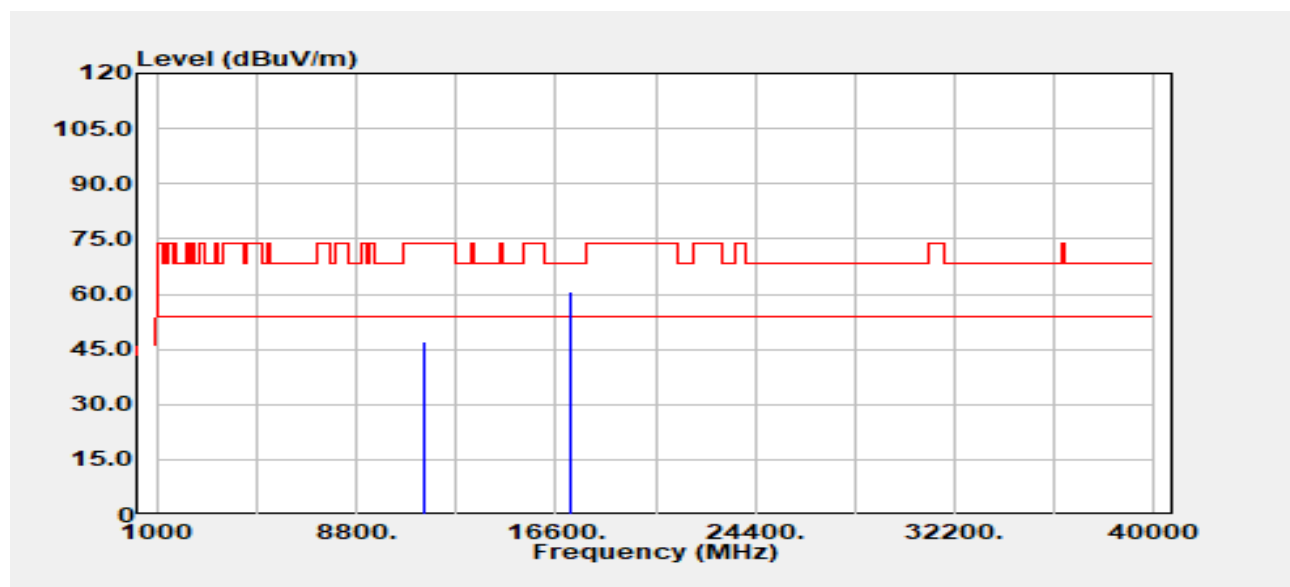
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBuV	Factor dB	Actual FS dBuV/m	Limit dBuV/m	Margin dB
11440.00	Peak	35.03	13.53	48.56	74.00	-25.44
11440.00	Average	29.60	13.53	43.14	54.00	-10.86
17160.00	Peak	33.19	28.36	61.55	68.20	-6.65

Project No :TM-2405000413P
Operation Band :802.11a/Band3~4
Frequency :5720 MHz
Operation Mode :TX
EUT Pol :H
Setting :20.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

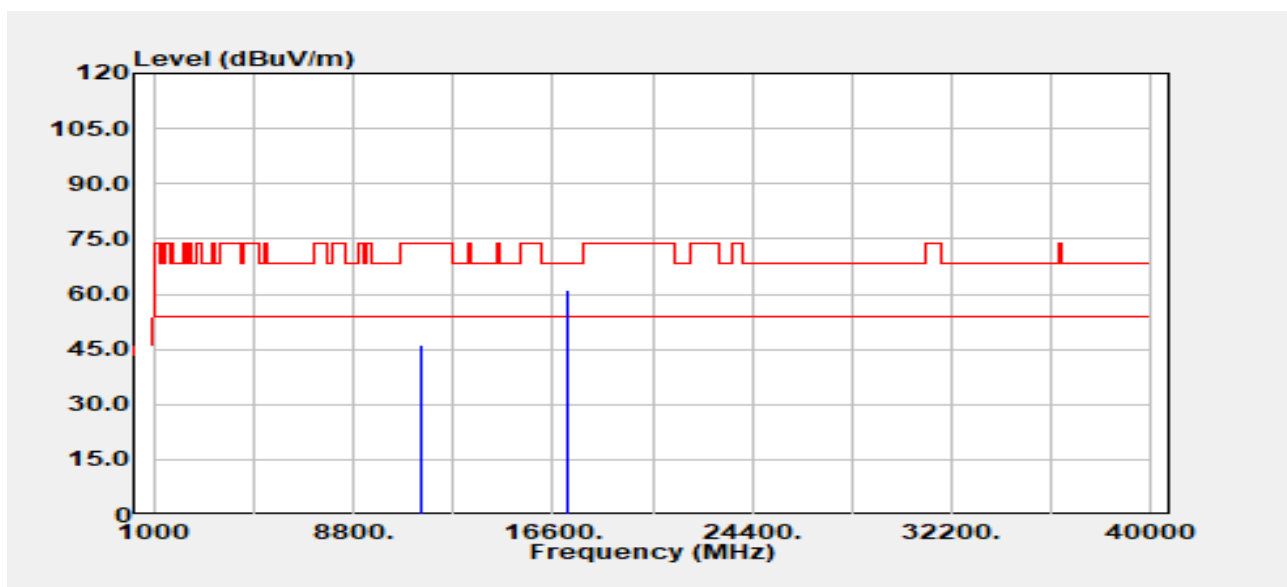


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11440.00	Peak	33.66	13.53	47.20	74.00	-26.80
11440.00	Average	28.57	13.53	42.10	54.00	-11.90
17160.00	Peak	32.20	28.36	60.55	68.20	-7.65

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band3~4
Frequency :5720 MHz
Operation Mode :TX
EUT Pol :H
Setting :20

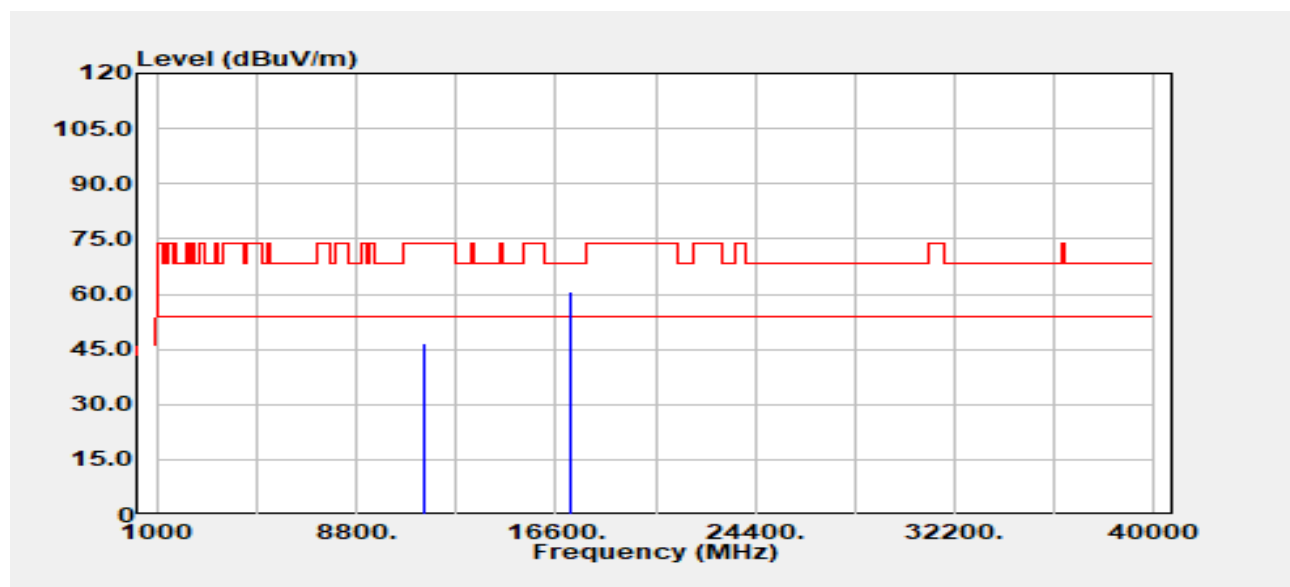
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11440.00	Peak	32.69	13.53	46.22	74.00	-27.78
11440.00	Average	30.26	13.53	43.79	54.00	-10.21
17160.00	Peak	32.81	28.36	61.17	68.20	-7.03

Report No.: TMWK2406002104KR

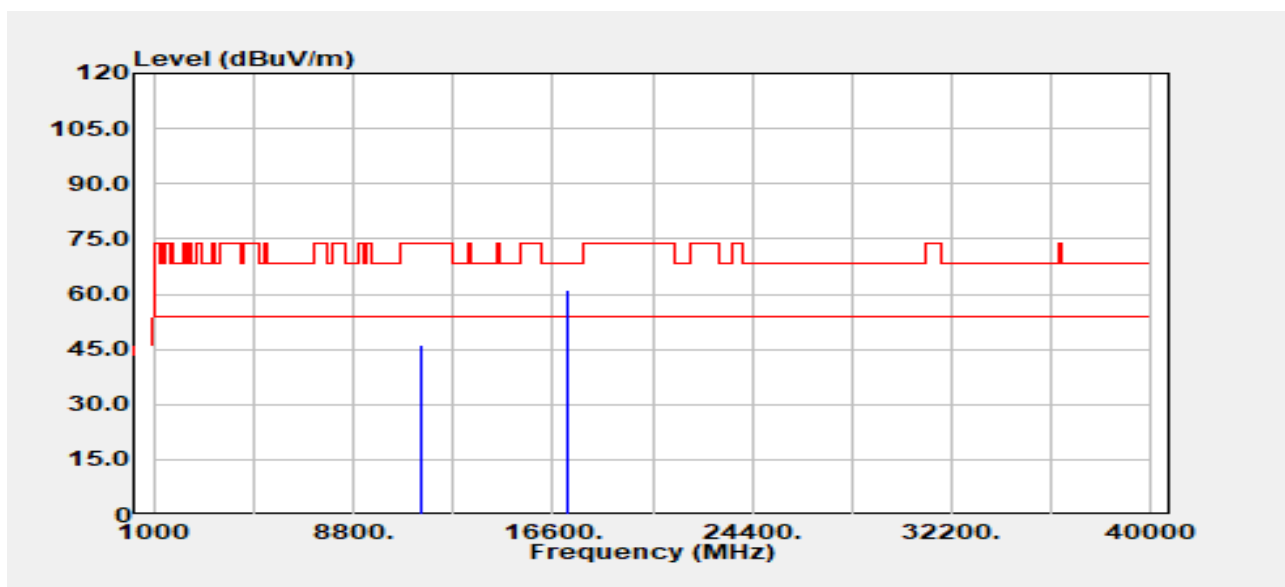
Project No	:TM-2405000413P	Test Date	:2024-07-02
Operation Band	:802.11n20/Band3~4	Temp./Humi.	:24.6/57
Frequency	:5720 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A
Setting	:20		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11440.00	Peak	33.25	13.53	46.78	74.00	-27.22
11440.00	Average	28.17	13.53	41.70	54.00	-12.30
17160.00	Peak	32.35	28.36	60.71	68.20	-7.49

Project No :TM-2405000413P
Operation Band :802.11n40/Band3~4
Frequency :5710 MHz
Operation Mode :TX
EUT Pol :H
Setting :19

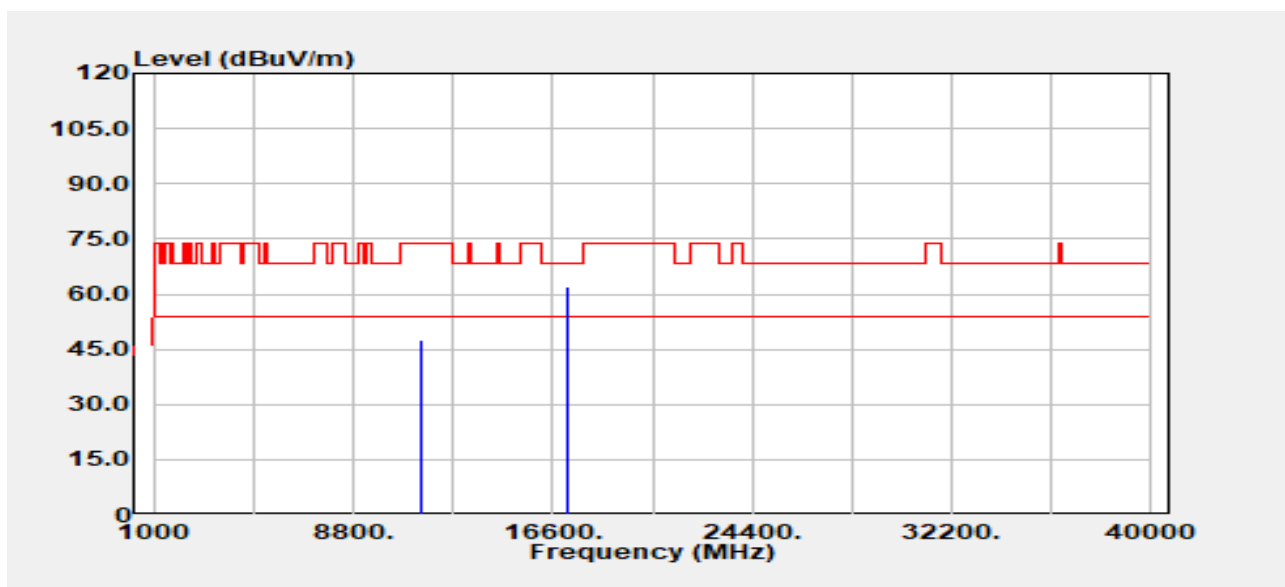
Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11420.00	Peak	32.66	13.67	46.33	74.00	-27.67
11420.00	Average	27.48	13.67	41.15	54.00	-12.85
17130.00	Peak	33.21	28.11	61.32	68.20	-6.88

Project No :TM-2405000413P
Operation Band :802.11n40/Band3~4
Frequency :5710 MHz
Operation Mode :TX
EUT Pol :H
Setting :19

Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

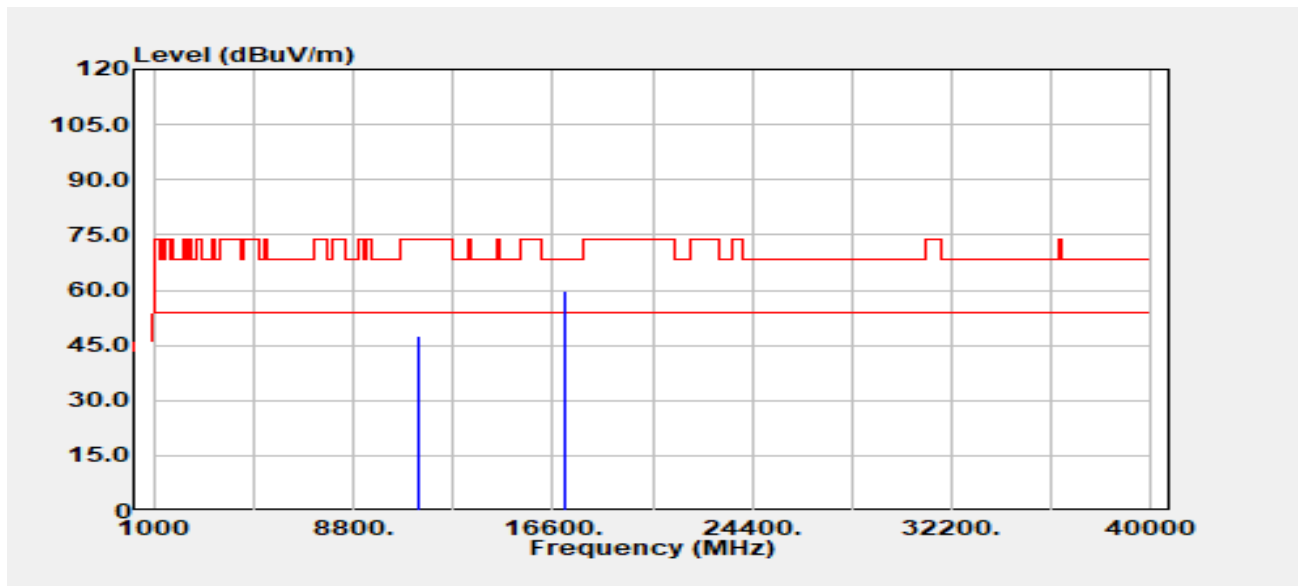


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11420.00	Peak	33.74	13.67	47.41	74.00	-26.59
11420.00	Average	26.68	13.67	40.35	54.00	-13.65
17130.00	Peak	33.80	28.11	61.90	68.20	-6.30

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11ac80/Band3~4
Frequency :5690 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

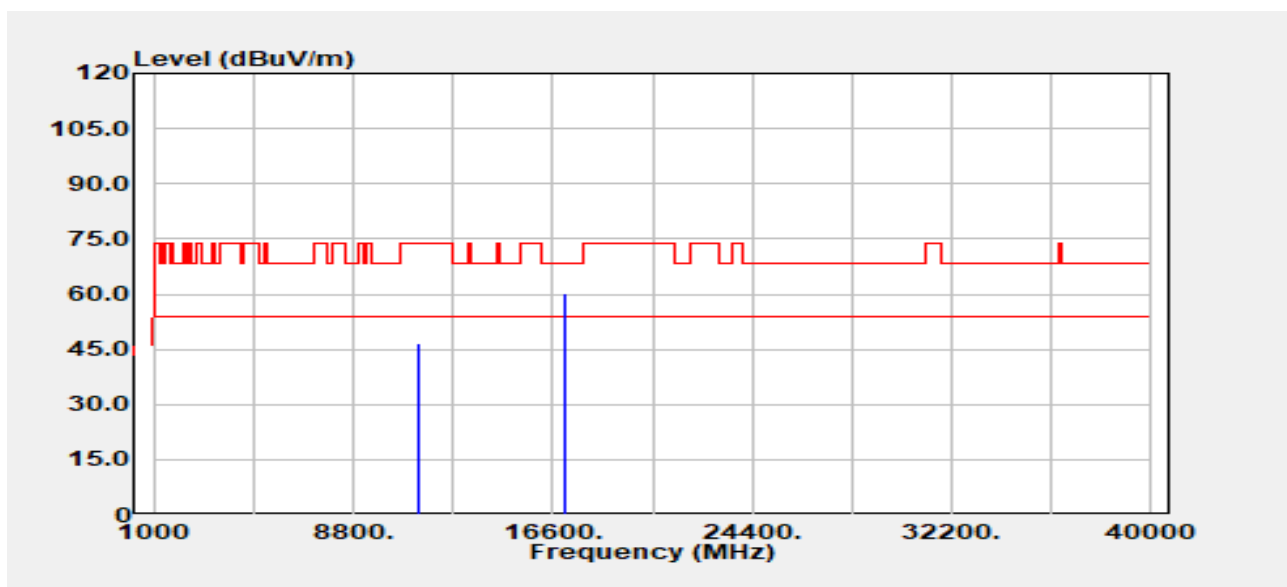
Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11380.00	Peak	33.76	13.83	47.59	74.00	-26.41
11380.00	Average	27.58	13.83	41.41	54.00	-12.59
17070.00	Peak	32.40	27.31	59.71	68.20	-8.49

Project No :TM-2405000413P
Operation Band :802.11ac80/Band3~4
Frequency :5690 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

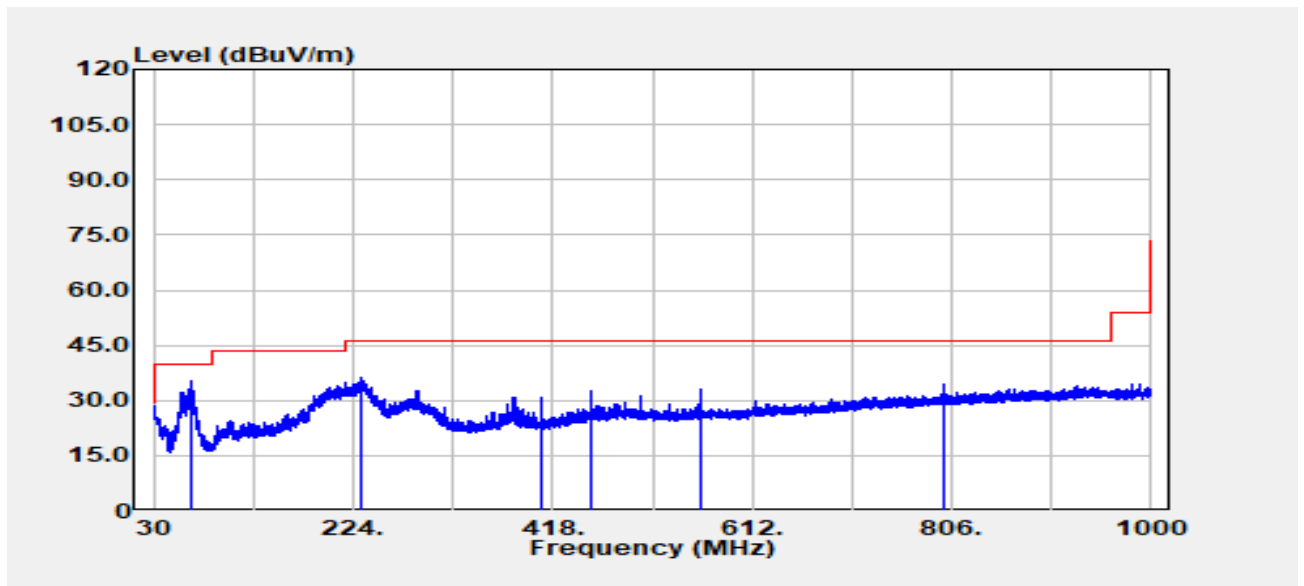


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11380.00	Peak	32.77	13.83	46.60	74.00	-27.40
11380.00	Average	26.61	13.83	40.44	54.00	-13.56
17070.00	Peak	32.76	27.31	60.07	68.20	-8.13

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band4
Frequency :5745 MHz
Operation Mode :TX
EUT Pol :H
Setting :20

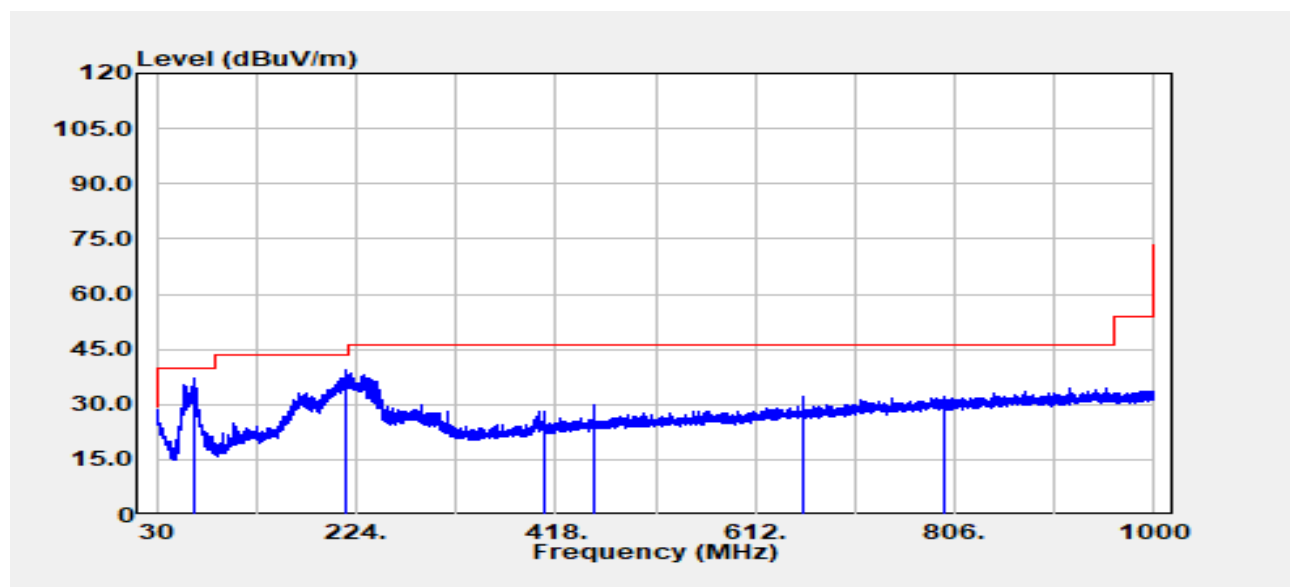
Test Date :2024-07-04
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
66.25	Peak	50.60	-15.48	35.12	40.00	-4.88
230.55	Peak	47.42	-11.23	36.19	46.00	-9.81
408.06	Peak	36.36	-5.50	30.86	46.00	-15.14
455.95	Peak	36.71	-4.21	32.50	46.00	-13.50
562.05	Peak	35.41	-2.35	33.06	46.00	-12.94
798.36	Peak	32.98	1.47	34.45	46.00	-11.55

Project No :TM-2405000413P
Operation Band :802.11n20/Band4
Frequency :5745 MHz
Operation Mode :TX
EUT Pol :H
Setting :20

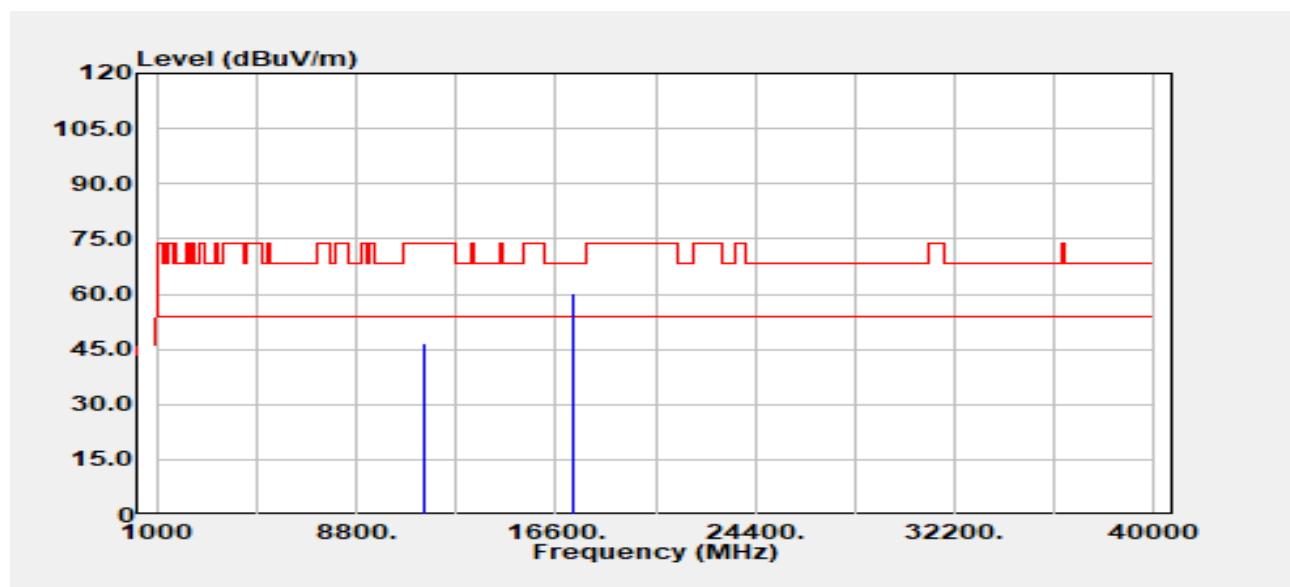
Test Date :2024-07-04
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
67.59	Peak	52.21	-15.09	37.11	40.00	-2.89
214.42	Peak	51.10	-11.86	39.24	43.50	-4.26
408.06	Peak	33.67	-5.50	28.17	46.00	-17.83
455.95	Peak	33.98	-4.21	29.77	46.00	-16.23
657.59	Peak	32.63	-0.60	32.03	46.00	-13.97
796.91	Peak	30.55	1.46	32.01	46.00	-13.99

Project No :TM-2405000413P
Operation Band :802.11a/Band4
Frequency :5745 MHz
Operation Mode :TX
EUT Pol :H
Setting :21

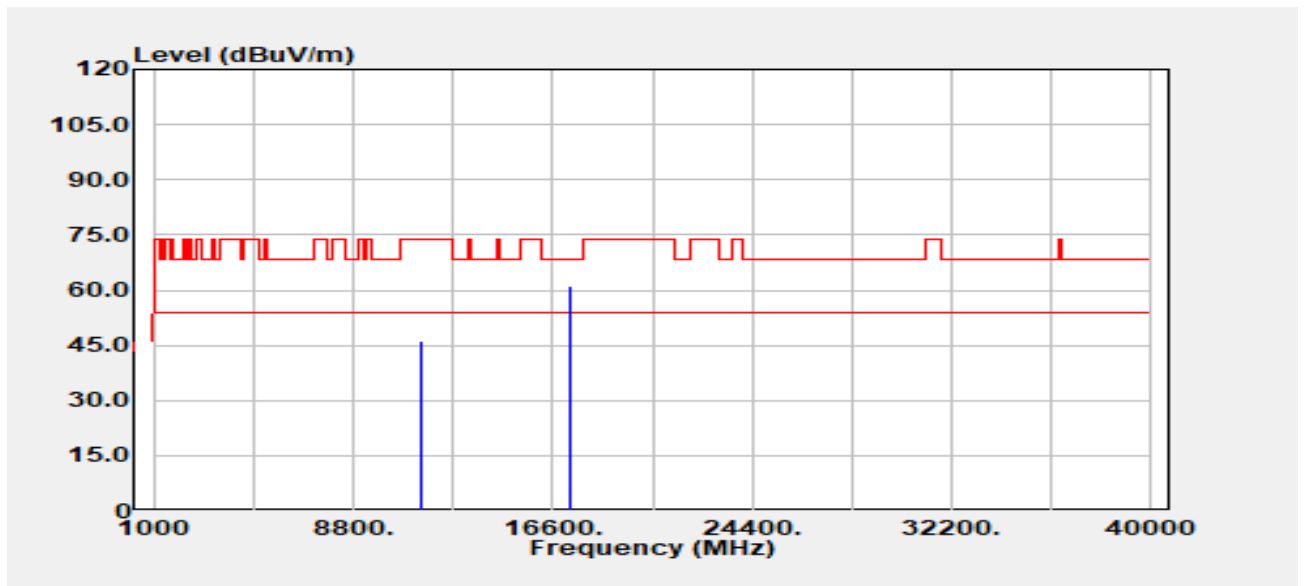
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11490.00	Peak	32.96	13.67	46.62	74.00	-27.38
11490.00	Average	27.16	13.67	40.82	54.00	-13.18
17235.00	Peak	32.18	28.05	60.23	68.20	-7.97

Project No :TM-2405000413P
 Operation Band :802.11a/Band4
 Frequency :5745 MHz
 Operation Mode :TX
 EUT Pol :H
 Setting :21

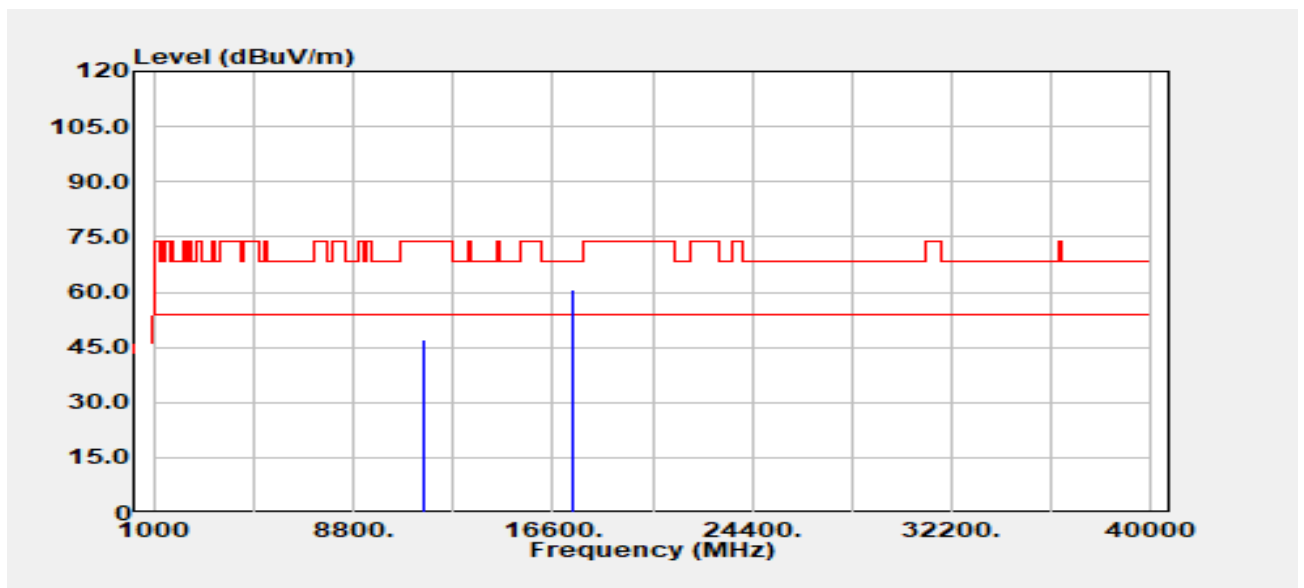
Test Date :2024-07-02
 Temp./Humi. :24.6/57
 Antenna Pol. :Horizontal
 Engineer :Tony Chao
 Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11490.00	Peak	32.30	13.67	45.97	74.00	-28.03
11490.00	Average	27.66	13.67	41.33	54.00	-12.67
17235.00	Peak	32.89	28.05	60.94	68.20	-7.26

Project No :TM-2405000413P
Operation Band :802.11a/Band4
Frequency :5785 MHz
Operation Mode :TX
EUT Pol :H
Setting :21

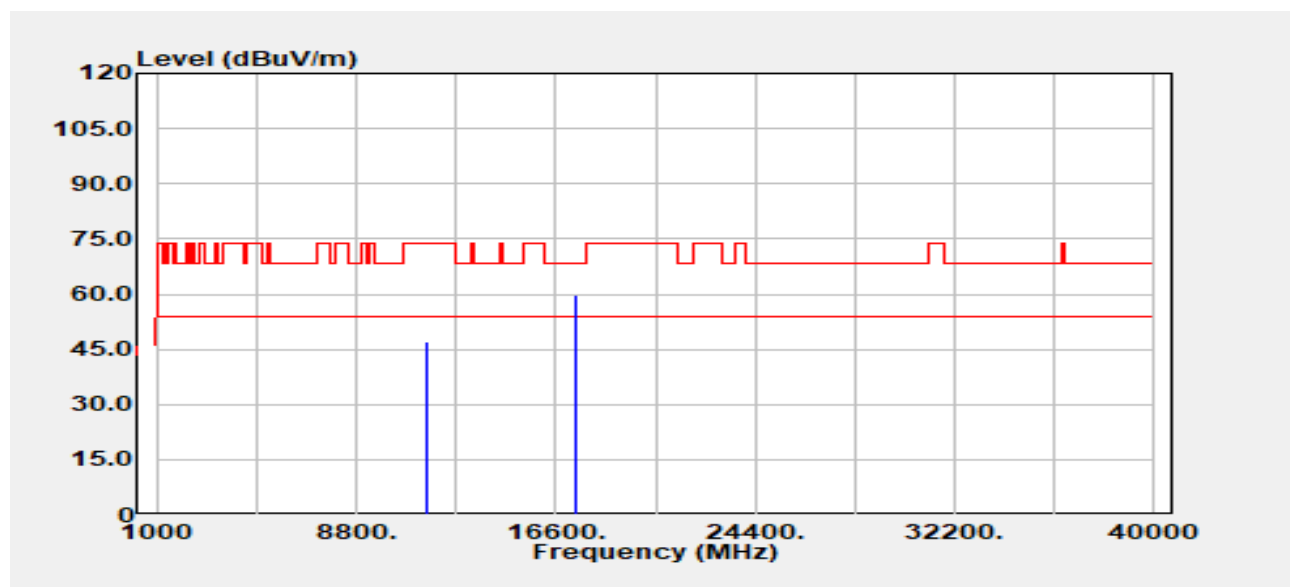
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11570.00	Peak	33.06	13.89	46.95	74.00	-27.05
11570.00	Average	27.12	13.89	41.02	54.00	-12.98
17355.00	Peak	33.34	27.33	60.67	68.20	-7.53

Project No :TM-2405000413P
Operation Band :802.11a/Band4
Frequency :5785 MHz
Operation Mode :TX
EUT Pol :H
Setting :21

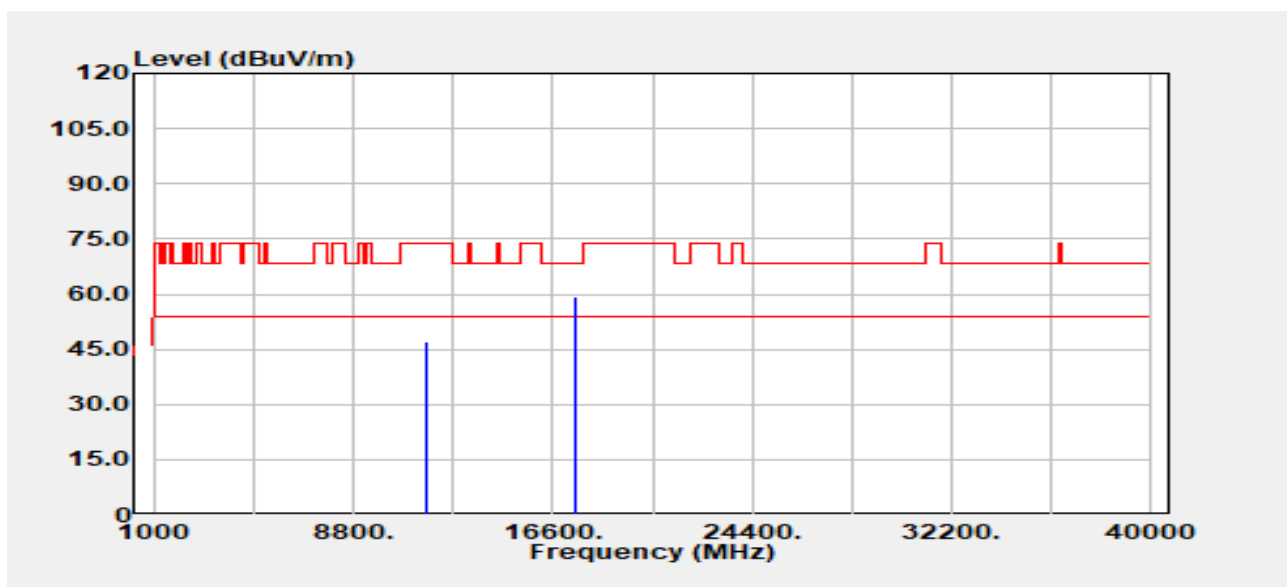
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11570.00	Peak	33.29	13.89	47.19	74.00	-26.81
11570.00	Average	26.62	13.89	40.51	54.00	-13.49
17355.00	Peak	32.24	27.33	59.58	68.20	-8.62

Project No :TM-2405000413P
Operation Band :802.11a/Band4
Frequency :5825 MHz
Operation Mode :TX
EUT Pol :H
Setting :21.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

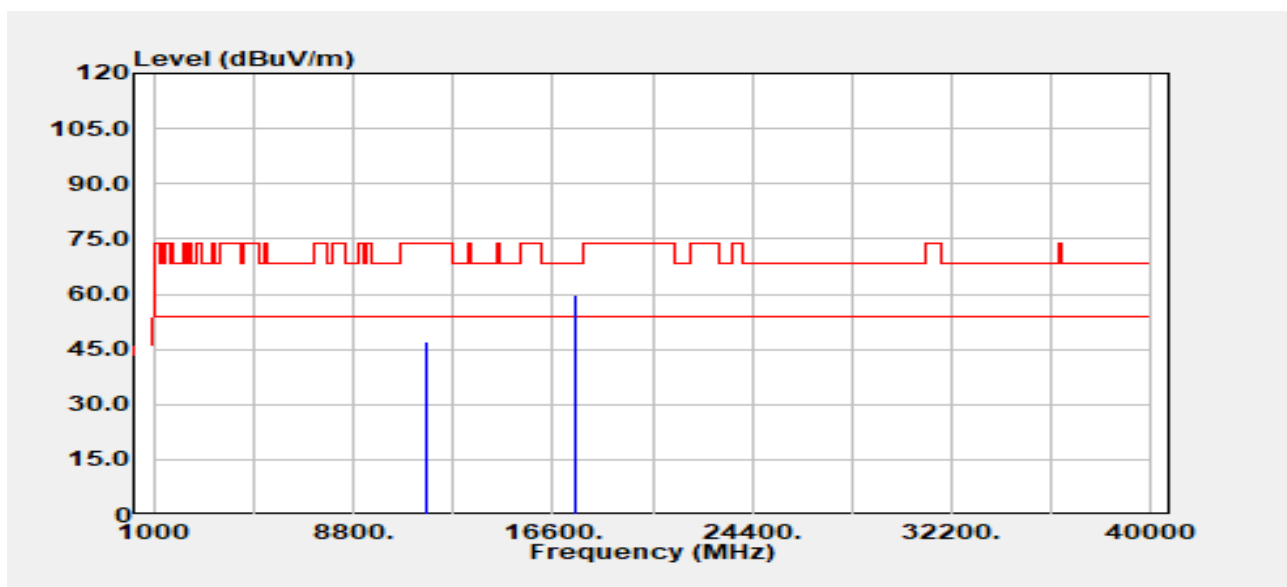


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11650.00	Peak	33.03	14.03	47.05	74.00	-26.95
11650.00	Average	27.37	14.03	41.40	54.00	-12.60
17475.00	Peak	32.18	27.18	59.36	68.20	-8.84

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11a/Band4
Frequency :5825 MHz
Operation Mode :TX
EUT Pol :H
Setting :21.5

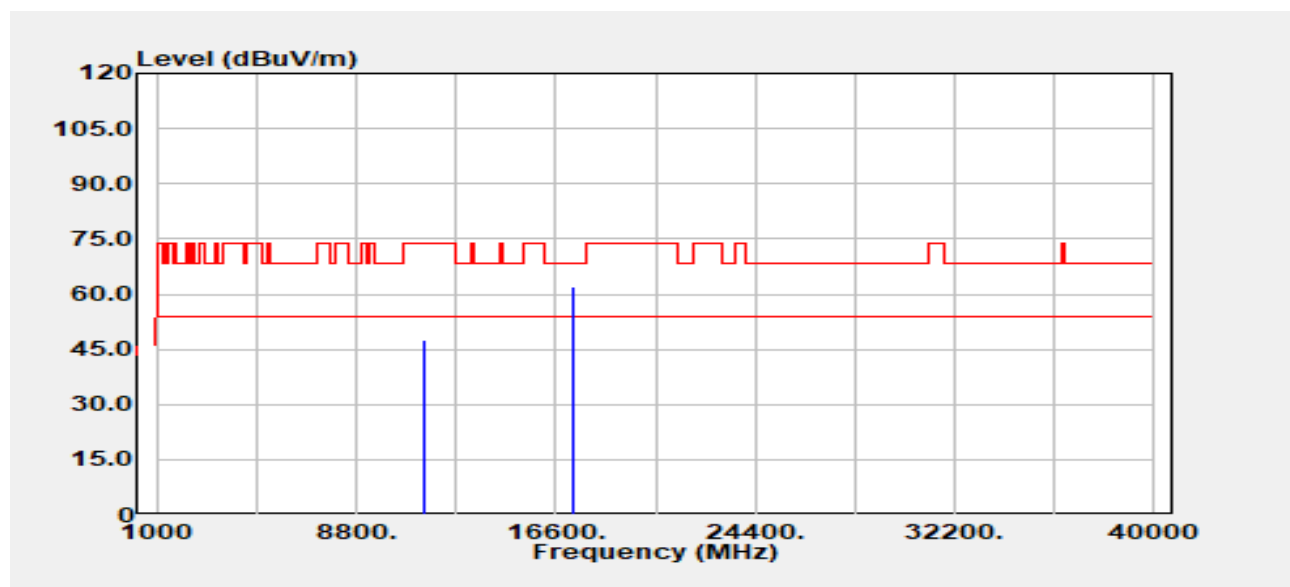
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11650.00	Peak	33.06	14.03	47.08	74.00	-26.92
11650.00	Average	26.79	14.03	40.82	54.00	-13.18
17475.00	Peak	32.51	27.18	59.69	68.20	-8.51

Project No :TM-2405000413P
Operation Band :802.11n20/Band4
Frequency :5745 MHz
Operation Mode :TX
EUT Pol :H
Setting :20

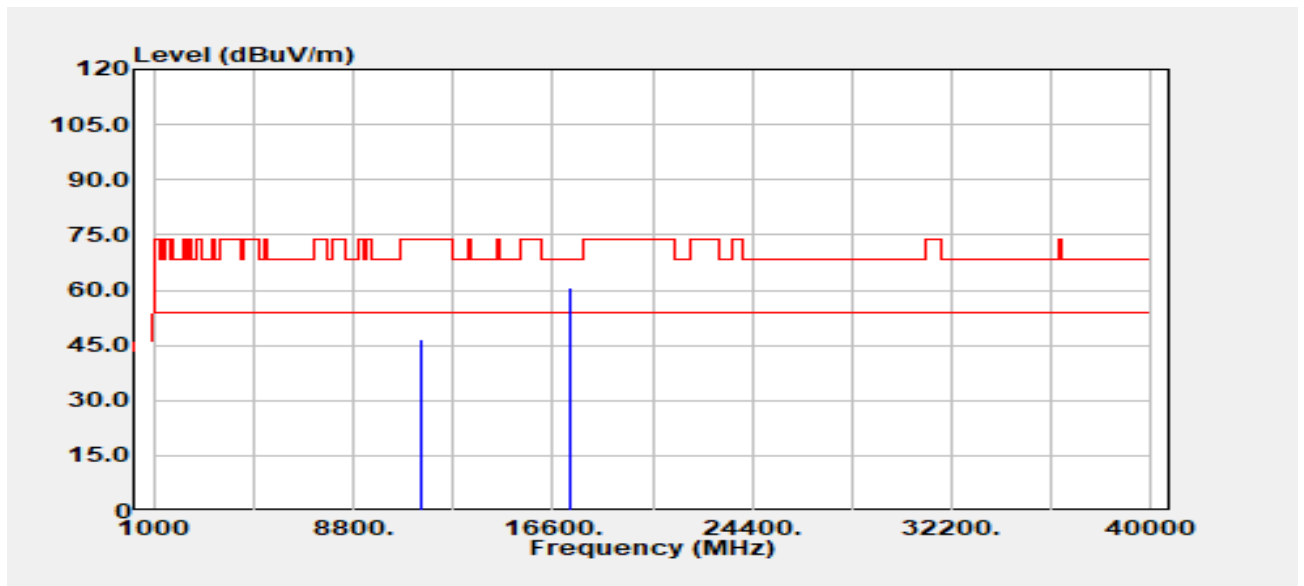
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11490.00	Peak	33.97	13.67	47.64	74.00	-26.36
11490.00	Average	28.72	13.67	42.39	54.00	-11.61
17235.00	Peak	34.15	28.05	62.20	68.20	-6.00

Project No :TM-2405000413P
 Operation Band :802.11n20/Band4
 Frequency :5745 MHz
 Operation Mode :TX
 EUT Pol :H
 Setting :20

Test Date :2024-07-02
 Temp./Humi. :24.6/57
 Antenna Pol. :Horizontal
 Engineer :Ray Li
 Test Chamber : 966A

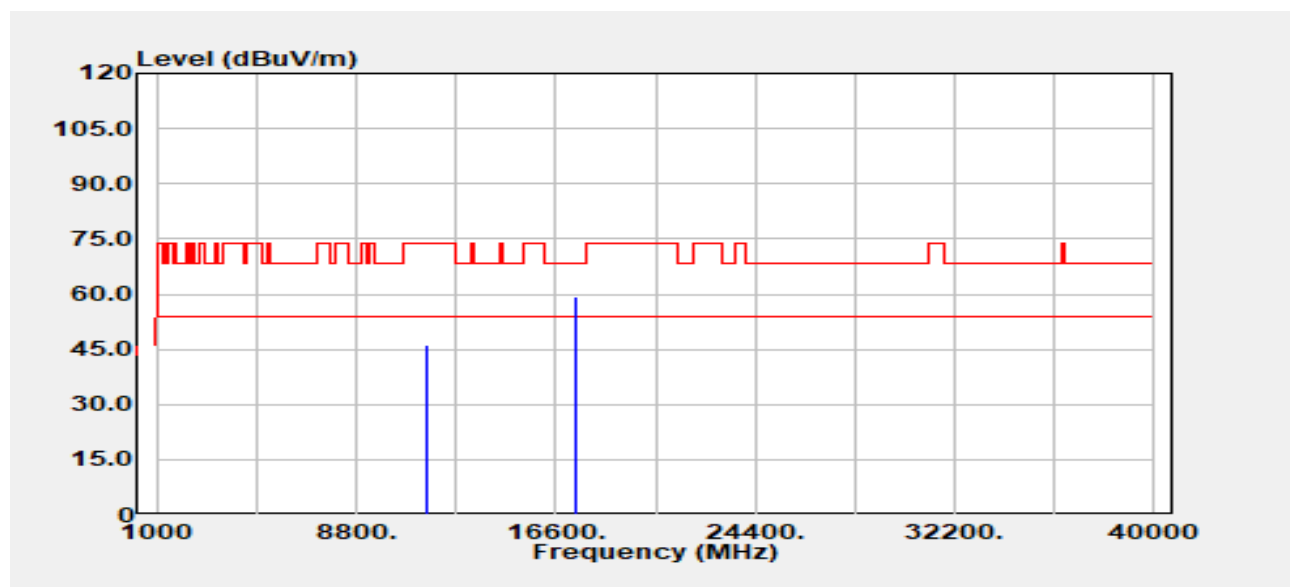


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11490.00	Peak	32.81	13.67	46.48	74.00	-27.52
11490.00	Average	27.50	13.67	41.17	54.00	-12.83
17235.00	Peak	32.56	28.05	60.61	68.20	-7.59

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band4
Frequency :5785 MHz
Operation Mode :TX
EUT Pol :H
Setting :20

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

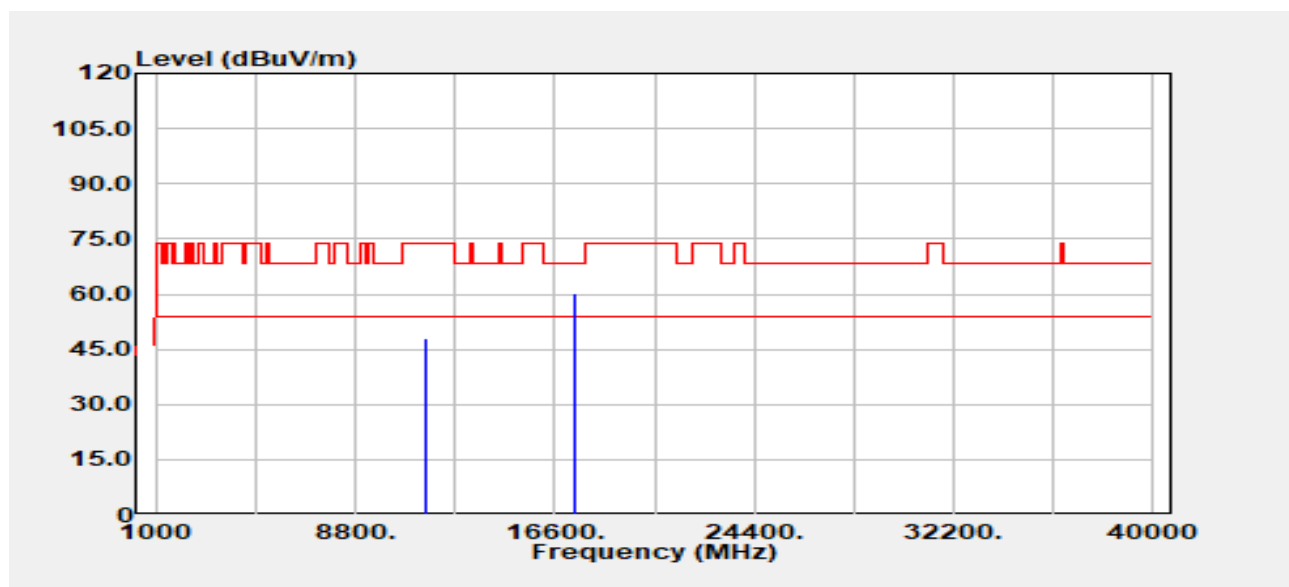


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11570.00	Peak	32.24	13.89	46.14	74.00	-27.86
11570.00	Average	28.02	13.89	41.92	54.00	-12.08
17355.00	Peak	31.99	27.33	59.33	68.20	-8.87

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band4
Frequency :5785 MHz
Operation Mode :TX
EUT Pol :H
Setting :20

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

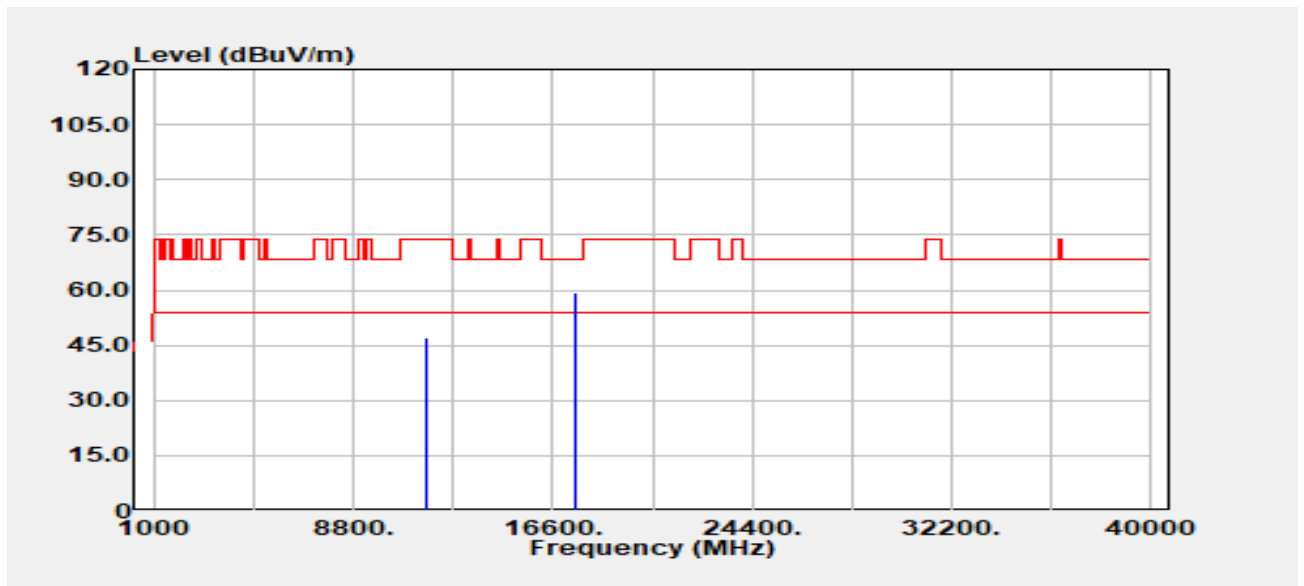


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11570.00	Peak	33.91	13.89	47.81	74.00	-26.19
11570.00	Average	27.02	13.89	40.91	54.00	-13.09
17355.00	Peak	32.85	27.33	60.19	68.20	-8.01

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band4
Frequency :5825 MHz
Operation Mode :TX
EUT Pol :H
Setting :20.5

Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

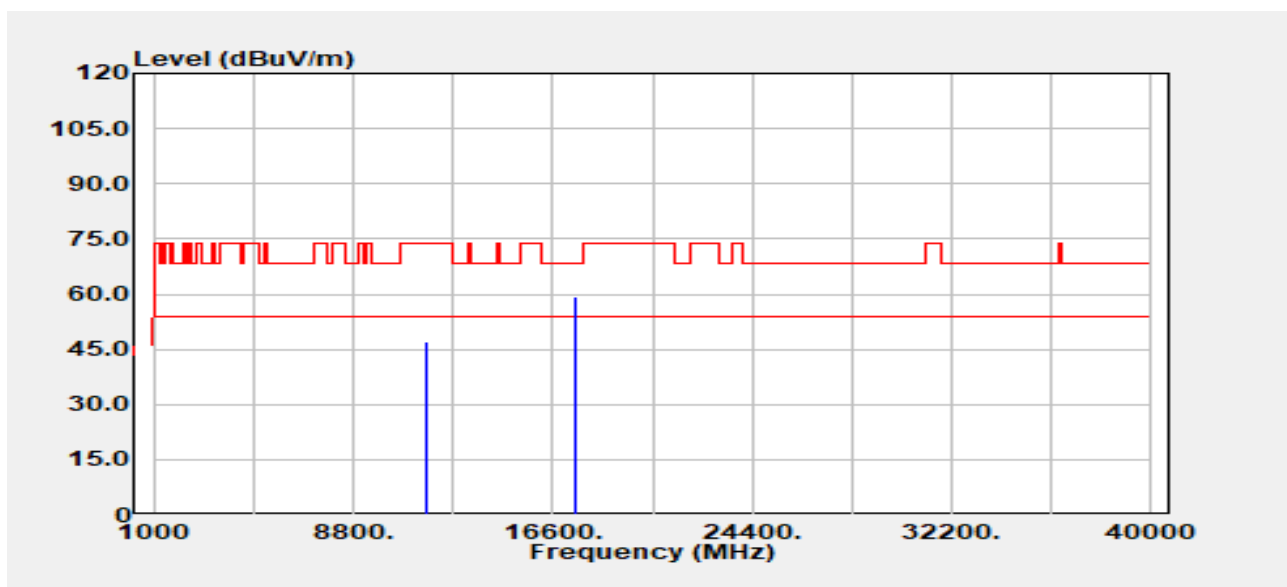


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11650.00	Peak	33.07	14.03	47.09	74.00	-26.91
11650.00	Average	27.79	14.03	41.81	54.00	-12.19
17475.00	Peak	32.31	27.18	59.49	68.20	-8.71

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n20/Band4
Frequency :5825 MHz
Operation Mode :TX
EUT Pol :H
Setting :20.5

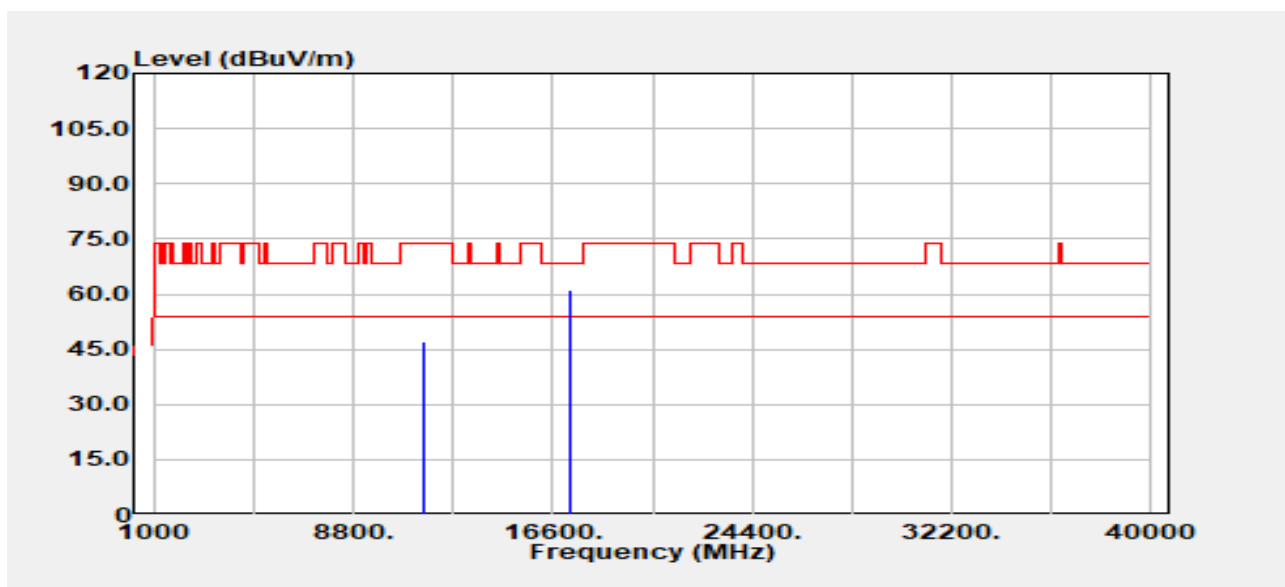
Test Date :2024-07-02
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11650.00	Peak	33.07	14.03	47.10	74.00	-26.90
11650.00	Average	27.61	14.03	41.63	54.00	-12.37
17475.00	Peak	32.04	27.18	59.22	68.20	-8.98

Project No :TM-2405000413P
 Operation Band :802.11n40/Band4
 Frequency :5755 MHz
 Operation Mode :TX
 EUT Pol :H
 Setting :19.5

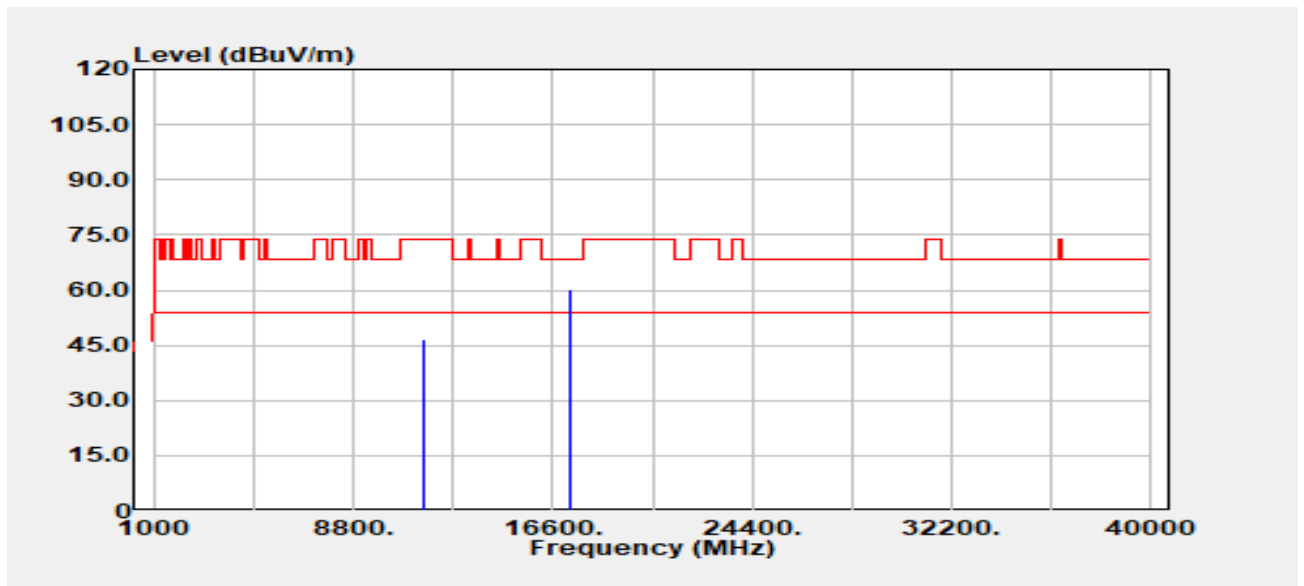
Test Date :2024-07-03
 Temp./Humi. :24.6/57
 Antenna Pol. :Vertical
 Engineer :Tony Chao
 Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11510.00	Peak	33.20	13.77	46.97	74.00	-27.03
11510.00	Average	28.11	13.77	41.88	54.00	-12.12
17265.00	Peak	33.35	27.89	61.24	68.20	-6.96

Project No :TM-2405000413P
 Operation Band :802.11n40/Band4
 Frequency :5755 MHz
 Operation Mode :TX
 EUT Pol :H
 Setting :19.5

Test Date :2024-07-03
 Temp./Humi. :24.6/57
 Antenna Pol. :Horizontal
 Engineer :Tony Chao
 Test Chamber : 966A

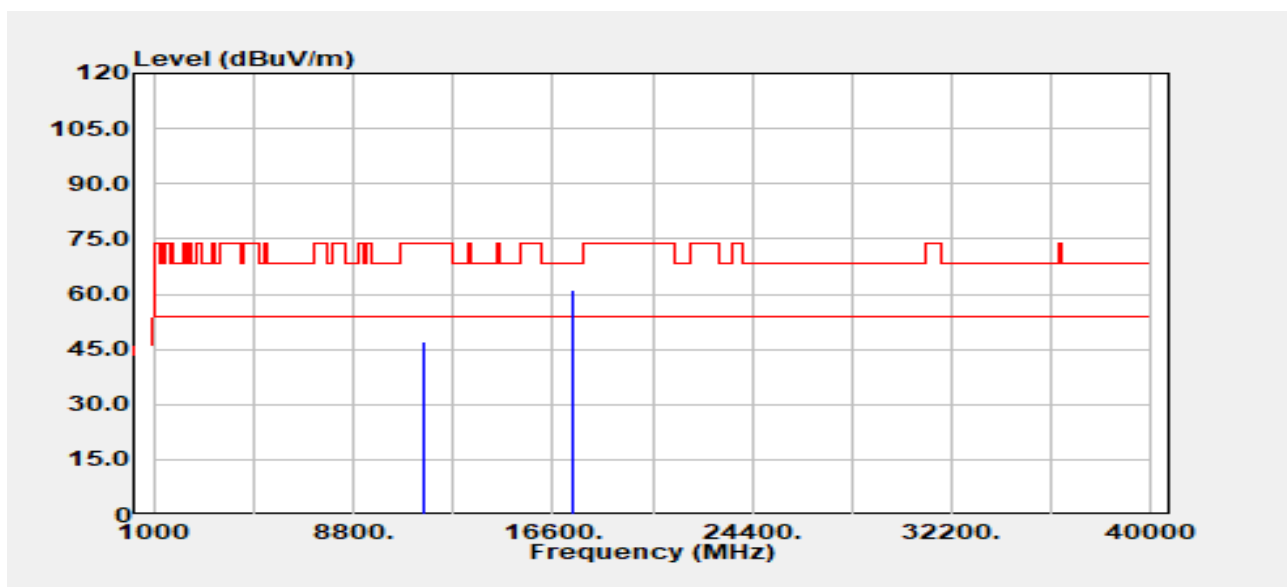


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11510.00	Peak	32.84	13.77	46.61	74.00	-27.39
11510.00	Average	26.08	13.77	39.85	54.00	-14.15
17265.00	Peak	32.13	27.89	60.02	68.20	-8.18

Report No.: TMWK2406002104KR

Project No :TM-2405000413P
Operation Band :802.11n40/Band4
Frequency :5795 MHz
Operation Mode :TX
EUT Pol :H
Setting :20

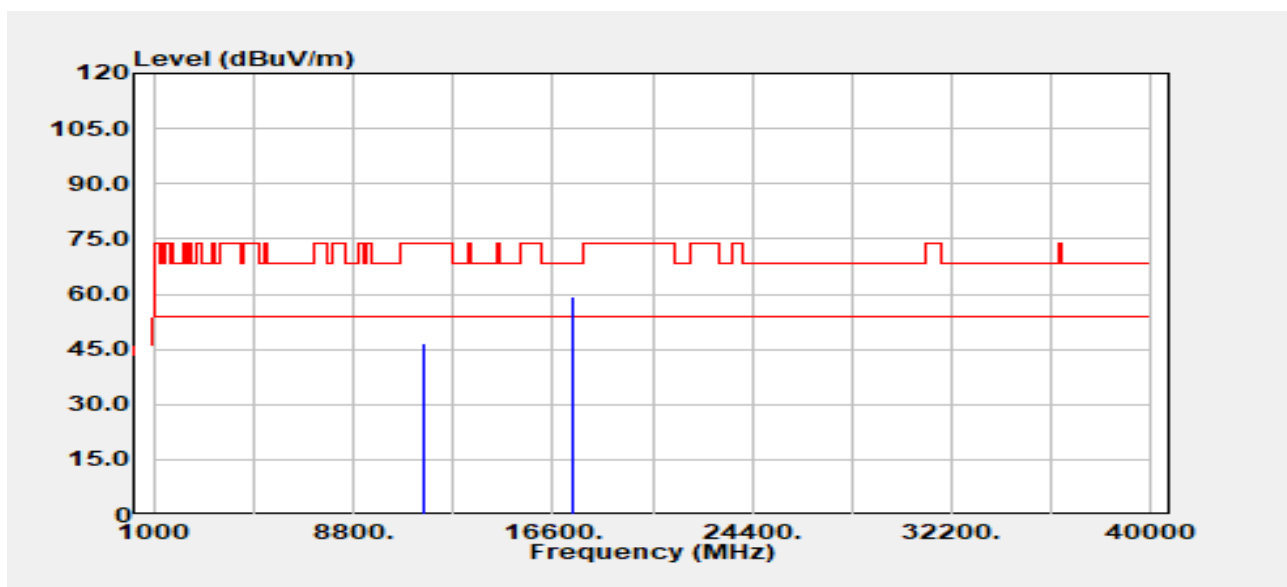
Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11590.00	Peak	33.10	13.82	46.92	74.00	-27.08
11590.00	Average	27.60	13.82	41.42	54.00	-12.58
17385.00	Peak	33.78	27.26	61.04	68.20	-7.16

Project No :TM-2405000413P
 Operation Band :802.11n40/Band4
 Frequency :5795 MHz
 Operation Mode :TX
 EUT Pol :H
 Setting :20

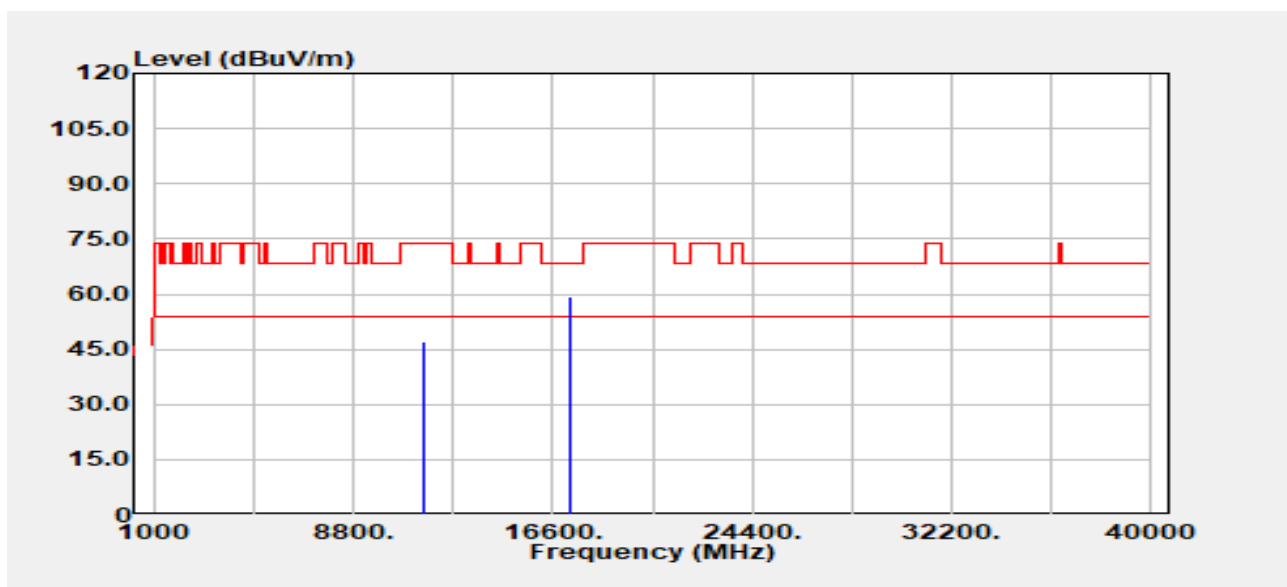
Test Date :2024-07-03
 Temp./Humi. :24.6/57
 Antenna Pol. :Horizontal
 Engineer :Tony Chao
 Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11590.00	Peak	32.67	13.82	46.49	74.00	-27.51
11590.00	Average	25.99	13.82	39.81	54.00	-14.19
17385.00	Peak	32.20	27.26	59.47	68.20	-8.73

Project No :TM-2405000413P
 Operation Band :802.11ac80/Band4
 Frequency :5775 MHz
 Operation Mode :TX
 EUT Pol :H
 Setting :19.5

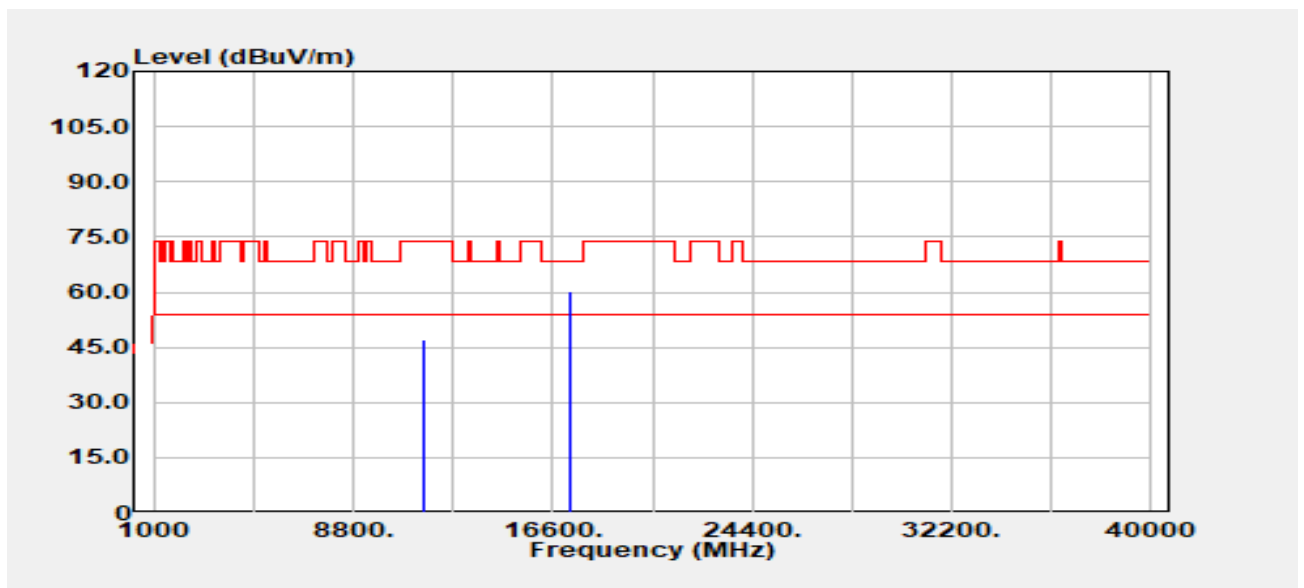
Test Date :2024-07-03
 Temp./Humi. :24.6/57
 Antenna Pol. :Vertical
 Engineer :Tony Chao
 Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11550.00	Peak	33.00	13.97	46.97	74.00	-27.03
11550.00	Average	27.71	13.97	41.68	54.00	-12.32
17325.00	Peak	32.06	27.42	59.48	68.20	-8.72

Project No :TM-2405000413P
Operation Band :802.11ac80/Band4
Frequency :5775 MHz
Operation Mode :TX
EUT Pol :H
Setting :19.5

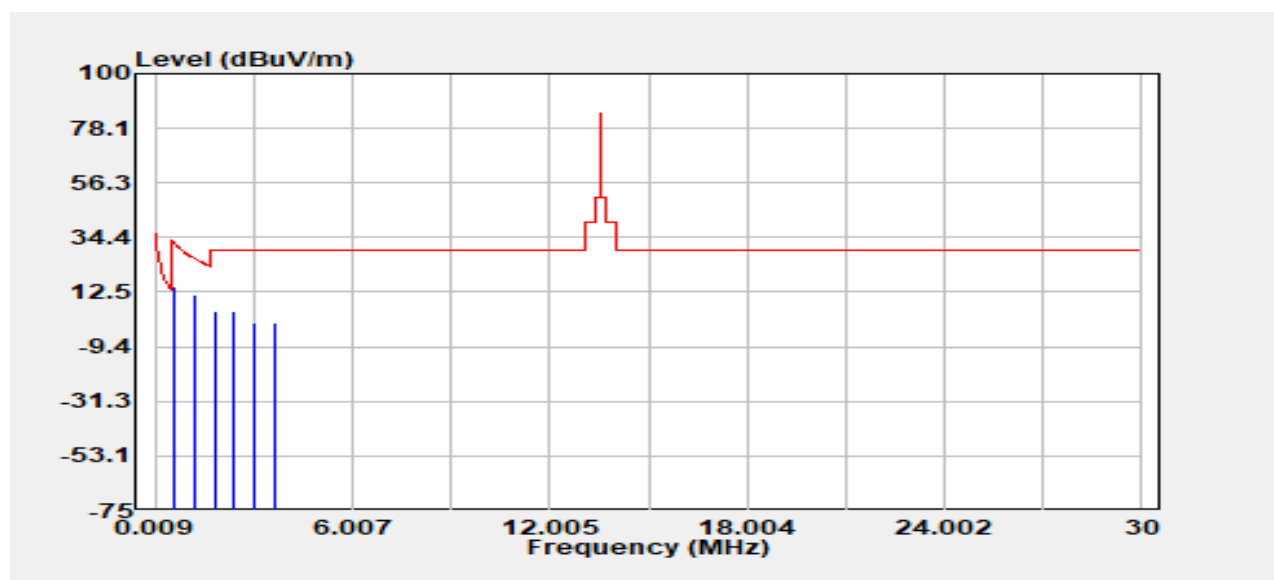
Test Date :2024-07-03
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11550.00	Peak	33.19	13.97	47.16	74.00	-26.84
11550.00	Average	26.81	13.97	40.78	54.00	-13.22
17325.00	Peak	33.00	27.42	60.42	68.20	-7.78

Co-location

Project No	:TM-2405000413P	Test Date	:2024-07-05
Operation Band	:NFC_802.11a/Band1_LTE Band2 QPSK1,0 20M	Temp./Humi.	:24.6/57
Frequency	:13.56 MHz_5180 MHz_1871 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A
Setting	:		

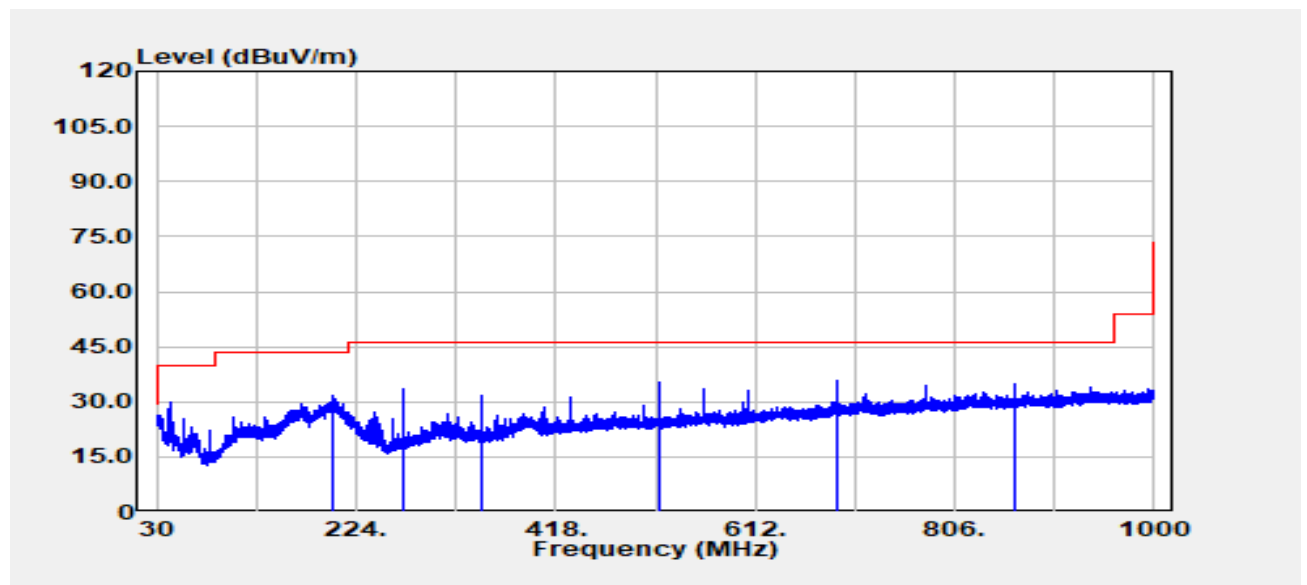


Freq. MHz	Detector Mode	Spectrum Read Level @3m dBμV	Factor @3m dB	Actual FS @3m dBμV/m	Factor @30m&300m dB	Actual FS @30m&300m dBμV/m	Limit dBμV/m	Margin dB
0.60	Peak	35.11	19.53	54.65	-40.00	14.65	31.99	-17.34
1.21	Peak	31.79	19.63	51.42	-40.00	11.42	25.97	-14.56
1.81	Peak	24.95	19.64	44.60	-40.00	4.60	29.54	-24.94
2.41	Peak	25.04	19.65	44.69	-40.00	4.69	29.54	-24.85
3.01	Peak	20.46	19.66	40.12	-40.00	0.12	29.54	-29.42
3.61	Peak	20.56	19.75	40.31	-40.00	0.31	29.54	-29.23

Note: The highest signals which over limit are WWAN co-location fundamental and harmonic signals. But it meets the signal's proprietary standards.

Report No.: TMWK2406002104KR

Project No	:TM-2405000413P	Test Date	:2024-07-05
Operation Band	:NFC_802.11a/Band1_LTE Band2 QPSK1,0 20M	Temp./Humi.	:24.6/57
Frequency	:13.56 MHz_5180 MHz_1871 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A
Setting	:		

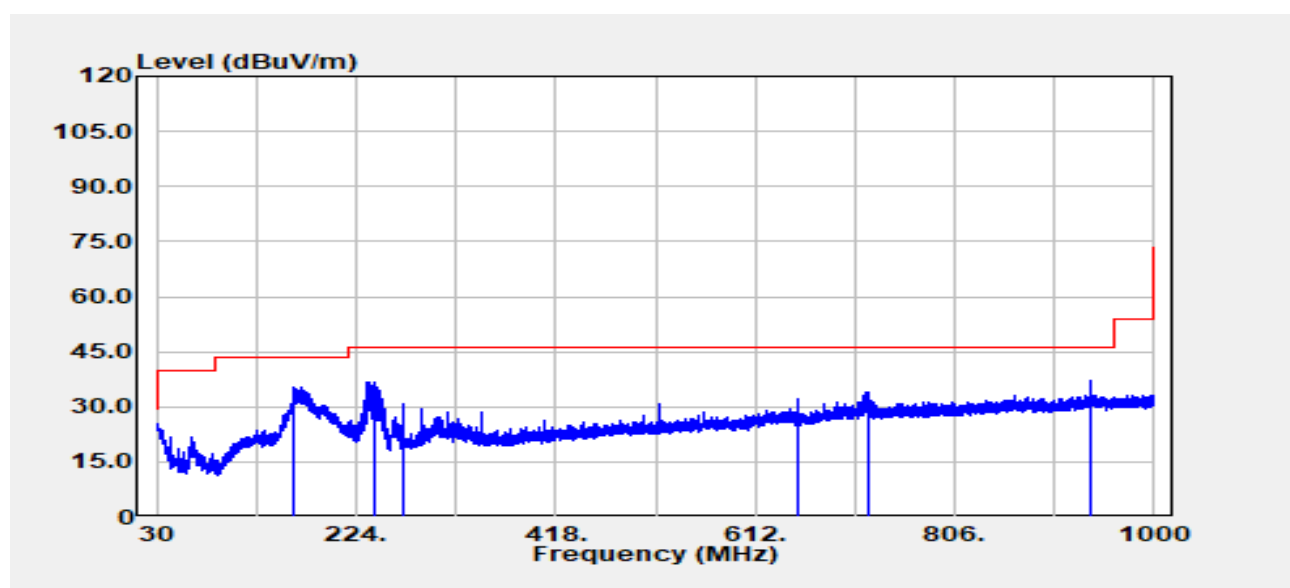


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
201.30	Peak	41.87	-10.27	31.60	43.50	-11.90
270.00	Peak	42.36	-9.02	33.34	46.00	-12.66
345.60	Peak	39.26	-7.53	31.73	46.00	-14.27
518.40	Peak	38.64	-3.17	35.47	46.00	-10.53
691.20	Peak	36.10	-0.28	35.82	46.00	-10.18
864.00	Peak	32.12	2.60	34.72	46.00	-11.28

Note: The highest signals which over limit are WWAN co-location fundamental and harmonic signals. But it meets the signal's proprietary standards.

Report No.: TMWK2406002104KR

Project No	:TM-2405000413P	Test Date	:2024-07-05
Operation Band	:NFC_802.11a/Band1_LTE Band2 QPSK1,0 20M	Temp./Humi.	:24.6/57
Frequency	:13.56 MHz_5180 MHz_1871 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A
Setting	:		

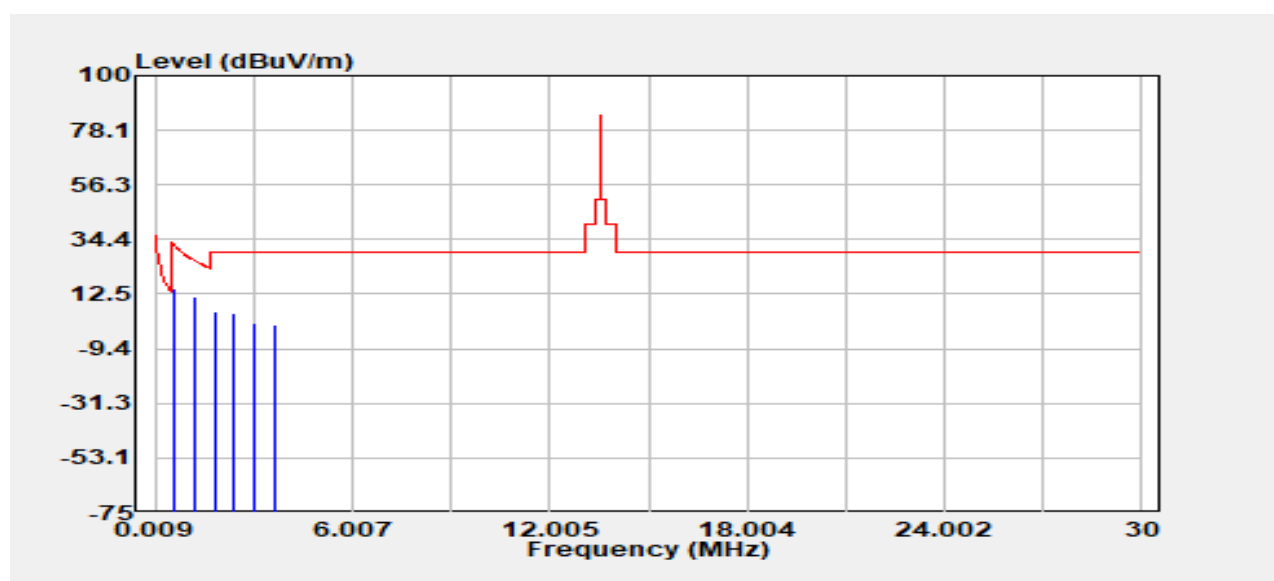


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
164.00	Peak	46.09	-10.71	35.38	43.50	-8.12
242.20	Peak	47.51	-10.62	36.89	46.00	-9.11
270.00	Peak	39.62	-9.02	30.60	46.00	-15.40
654.50	Peak	32.96	-0.66	32.30	46.00	-13.70
722.40	Peak	33.62	0.36	33.98	46.00	-12.02
937.50	Peak	33.31	3.79	37.10	46.00	-8.90

Note: The highest signals which over limit are WWAN co-location fundamental and harmonic signals. But it meets the signal's proprietary standards.

Report No.: TMWK2406002104KR

Project No	:TM-2405000413P	Test Date	:2024-07-05
Operation Band	:NFC_802.11a/Band1_LTE Band13 QPSK1,0 10M	Temp./Humi.	:24.6/57
Frequency	:13.56 MHz_5180 MHz_777.6 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A
Setting	:		

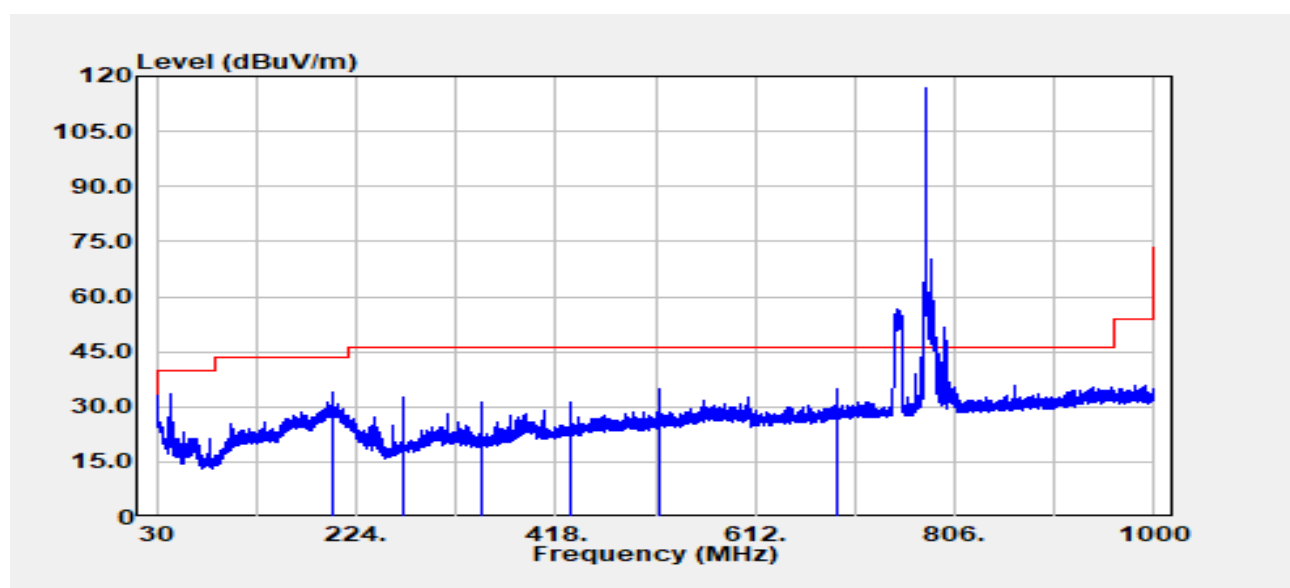


Freq. MHz	Detector Mode	Spectrum Read Level @3m dBμV	Factor @3m dB	Actual FS @3m dBμV/m	Factor @30m&300m dB	Actual FS @30m&300m dBμV/m	Limit dBμV/m	Margin dB
0.60	Peak	35.18	19.53	54.71	-40.00	14.71	31.99	-17.27
1.21	Peak	31.57	19.63	51.20	-40.00	11.20	25.97	-14.77
1.81	Peak	25.60	19.64	45.24	-40.00	5.24	29.54	-24.30
2.41	Peak	25.25	19.65	44.90	-40.00	4.90	29.54	-24.64
3.02	Peak	21.11	19.66	40.77	-40.00	0.77	29.54	-28.77
3.62	Peak	20.49	19.75	40.24	-40.00	0.24	29.54	-29.30

Note: The highest signals which over limit are WWAN co-location fundamental and harmonic signals. But it meets the signal's proprietary standards.

Report No.: TMWK2406002104KR

Project No	:TM-2405000413P	Test Date	:2024-07-05
Operation Band	:NFC_802.11a/Band1_LTE Band13 QPSK1,0 10M	Temp./Humi.	:24.6/57
Frequency	:13.56 MHz_5180 MHz_777.6 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A
Setting	:		

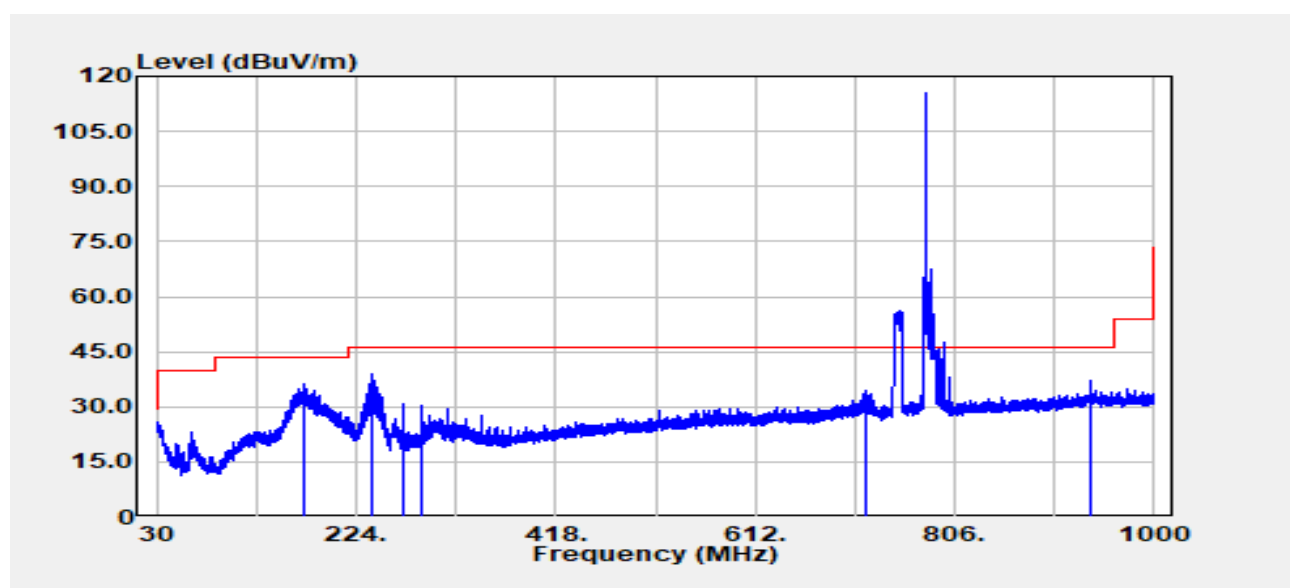


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
201.90	Peak	44.54	-10.52	34.02	43.50	-9.48
270.00	Peak	41.78	-9.02	32.76	46.00	-13.24
345.60	Peak	38.92	-7.53	31.39	46.00	-14.61
432.00	Peak	35.92	-4.81	31.12	46.00	-14.88
518.40	Peak	37.98	-3.17	34.81	46.00	-11.19
691.20	Peak	34.93	-0.28	34.65	46.00	-11.35

Note: The highest signals which over limit are WWAN co-location fundamental and harmonic signals. But it meets the signal's proprietary standards.

Report No.: TMWK2406002104KR

Project No	:TM-2405000413P	Test Date	:2024-07-05
Operation Band	:NFC_802.11a/Band1_LTE Band13 QPSK1,0 10M	Temp./Humi.	:24.6/57
Frequency	:13.56 MHz_5180 MHz_777.6 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A
Setting	:		

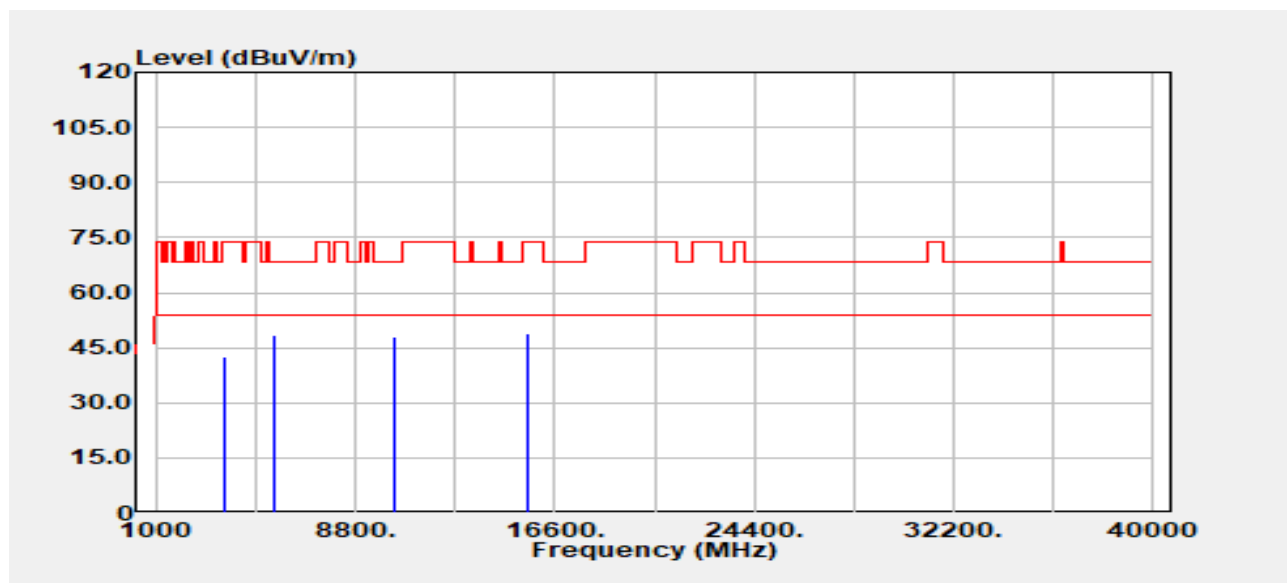


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
173.30	Peak	47.29	-11.29	36.01	43.50	-7.49
240.00	Peak	49.53	-10.60	38.93	46.00	-7.07
270.00	Peak	39.98	-9.02	30.96	46.00	-15.04
288.00	Peak	38.97	-8.76	30.22	46.00	-15.78
719.90	Peak	34.04	0.36	34.40	46.00	-11.60
937.50	Peak	33.34	3.79	37.13	46.00	-8.87

Note: The highest signals which over limit are WWAN co-location fundamental and harmonic signals. But it meets the signal's proprietary standards.

Report No.: TMWK2406002104KR

Project No	:TM-2405000413P	Test Date	:2024-07-05
Operation Band	: NFC_802.11a/Band1_LTE Band2 QPSK1,0_20M	Temp./Humi.	:24.6/57
Frequency	:5180_1871 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:H	Test Chamber	: 966A
Setting	:		

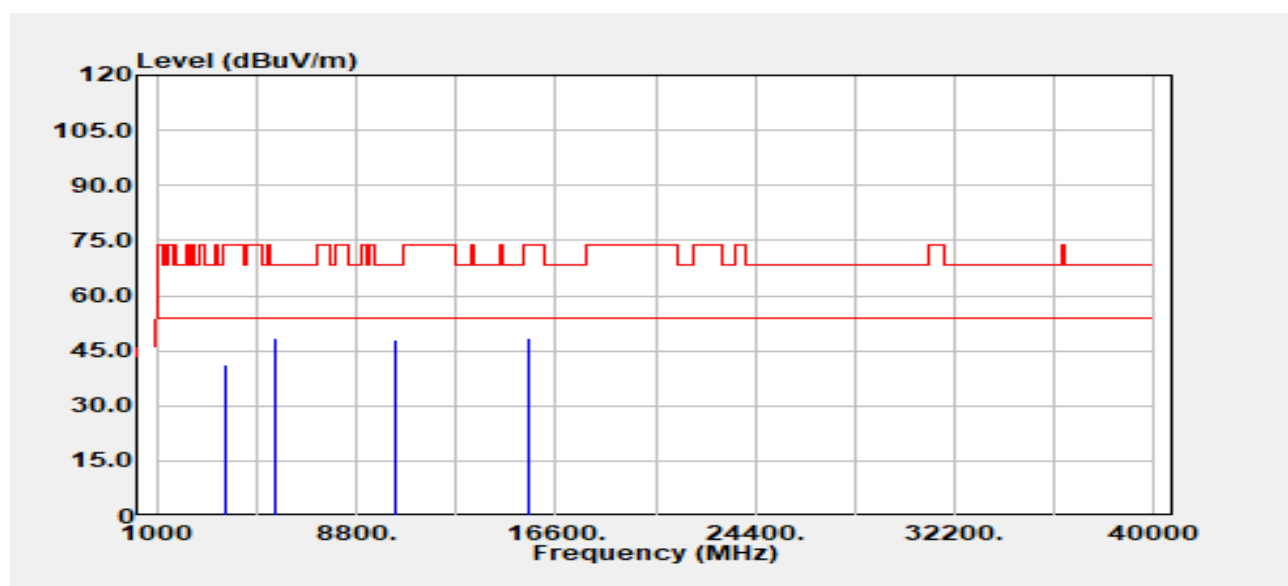


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
3742.00	Peak	42.24	0.21	42.44	82.20	-39.76
5613.00	Peak	43.67	4.88	48.55	82.20	-33.65
10360.00	Peak	35.05	12.85	47.89	68.20	-20.31
15540.00	Peak	34.01	14.87	48.89	74.00	-25.11
15540.00	Average	23.57	14.87	38.44	54.00	-15.56

Note: The highest signals which over limit are WWAN co-location fundamental and harmonic signals. But it meets the signal's proprietary standards.

Report No.: TMWK2406002104KR

Project No	:TM-2405000413P	Test Date	:2024-07-05
Operation Band	: NFC_802.11a/Band1_LTE Band2 QPSK1,0_20M	Temp./Humi.	:24.6/57
Frequency	:5180_1871 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:H	Test Chamber	: 966A
Setting	:		

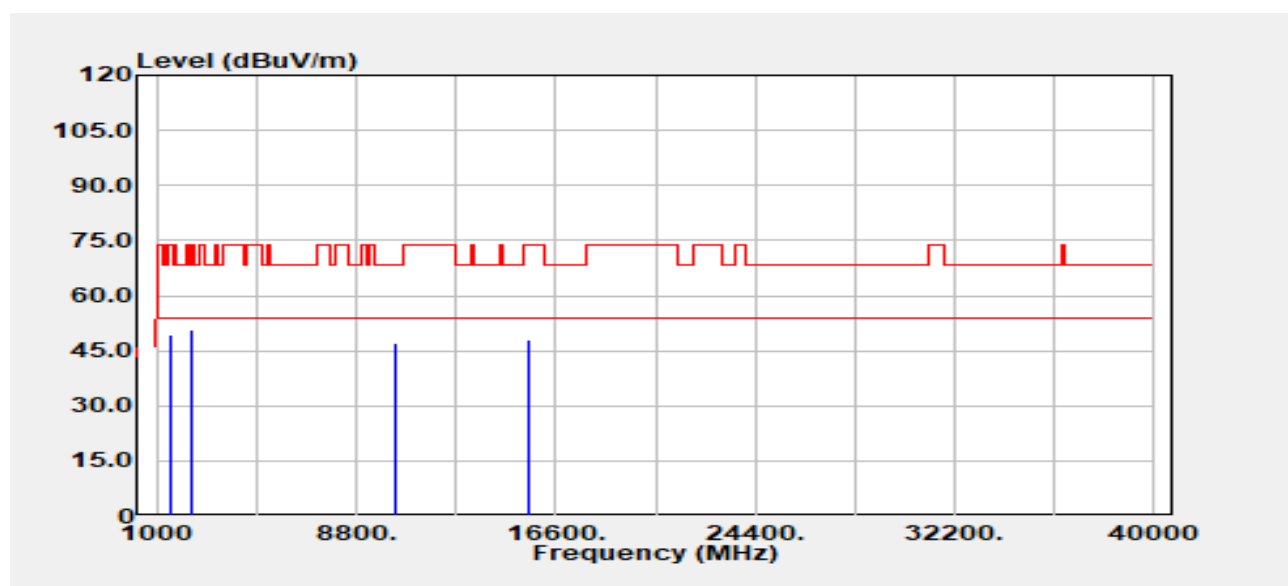


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
3742.00	Peak	41.15	0.21	41.35	82.20	-40.85
5613.00	Peak	43.71	4.88	48.59	82.20	-33.61
10360.00	Peak	34.93	12.85	47.78	68.20	-20.42
15540.00	Peak	33.61	14.87	48.48	74.00	-25.52
15540.00	Average	23.66	14.87	38.53	54.00	-15.47

Note: The highest signals which over limit are WWAN co-location fundamental and harmonic signals. But it meets the signal's proprietary standards.

Report No.: TMWK2406002104KR

Project No	:TM-2405000413P	Test Date	:2024-07-05
Operation Band	: NFC_802.11a/Band1_LTE Band13 QPSK1,0_10M	Temp./Humi.	:24.6/57
Frequency	:5180_777.6 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A
Setting	:		

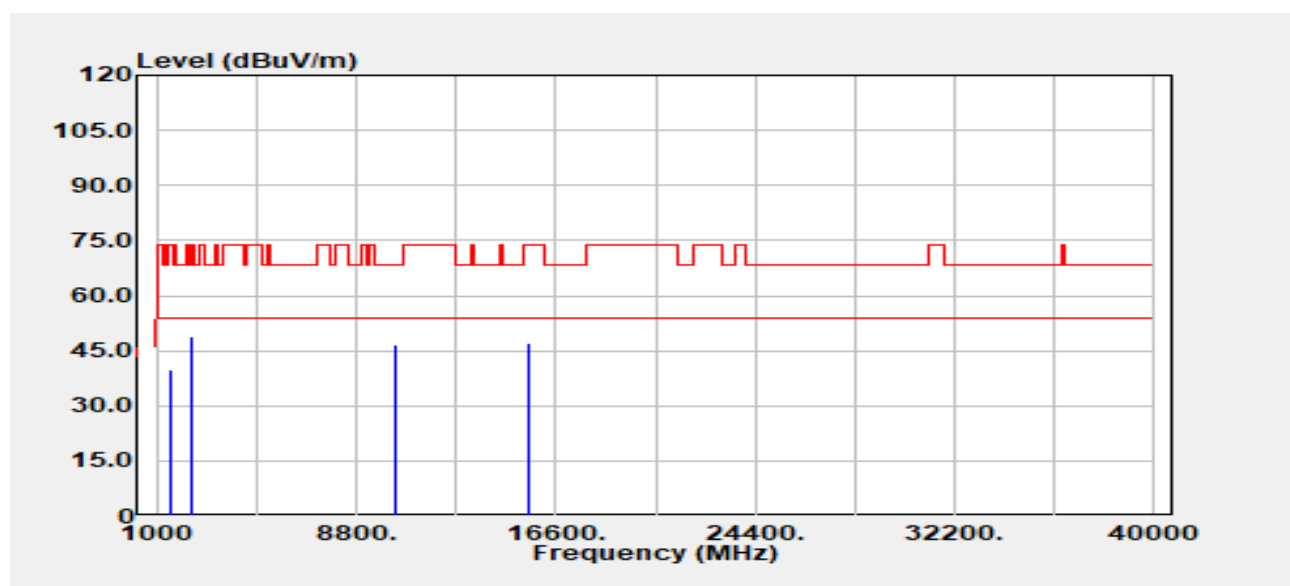


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
1555.20	Peak	56.57	-7.24	49.33	82.20	-32.87
2332.80	Peak	54.32	-3.61	50.71	82.20	-31.49
10360.00	Peak	34.02	12.85	46.87	68.20	-21.33
15540.00	Peak	33.02	14.87	47.90	74.00	-26.10
15540.00	Average	24.59	14.87	39.46	54.00	-14.54

Note: The highest signals which over limit are WWAN co-location fundamental and harmonic signals. But it meets the signal's proprietary standards.

Report No.: TMWK2406002104KR

Project No	:TM-2405000413P	Test Date	:2024-07-05
Operation Band	: NFC_802.11a/Band1_LTE Band13 QPSK1,0_10M	Temp./Humi.	:24.6/57
Frequency	:5180_777.6 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	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
1555.20	Peak	46.88	-7.24	39.64	82.20	-42.56
2332.80	Peak	52.62	-3.61	49.01	82.20	-33.19
10360.00	Peak	33.91	12.85	46.75	68.20	-21.45
15540.00	Peak	32.37	14.87	47.24	74.00	-26.76
15540.00	Average	24.74	14.87	39.61	54.00	-14.39

Note: The highest signals which over limit are WWAN co-location fundamental and harmonic signals. But it meets the signal's proprietary standards.

- End of Test Report -