

Project No: TM-2311000354P
Report No.: TMWK2402000500KR

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

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Rev. 01

RADIO TEST REPORT

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

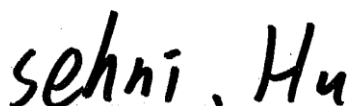
Test Standard	FCC Part 15.407 IC RSS-247 issue 3 and IC RSS-GEN issue 5
Product name	Smart Module
Brand Name	Mio / MAGELLAN / NAVMAN / MiTAC
Model No.	SC680A-NA
Test Result	Pass
Statements of Conformity	Determination of compliance is based on the results of the compliance measurement, not taking into 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	April 16, 2024	Initial Issue	ALL	Peggy Tsai
01	April 23, 2024	See the following Note Rev. (01)	P.5	Peggy Tsai

Rev. (01):
1. Modify FCC ID in section 1.1.

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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 / HMN	N722
Received Date	November 27, 2023
Date of Test	December 7, 2023 ~ April 10, 2024
Power Supply	- Power from Cradle. MIO / N564 I/P (1): DC 12V, 1A or DC 24V, 0.5A (Fleet Port) I/P (2): DC 5V, 2A (Micro USB) - Power from Adapter. LUCENT TRANS / 1A52-PD2W I/P: 100-240Vac, 800mA, 50-60Hz O/P: 5Vdc, 3A or 9Vdc, 2.22A - Power from Adapter. TTT / MSS050200BIs I/P: 100-240Vac, 0.3A, 50-60Hz O/P: 5Vdc, 2A(10.0W) - Power from Battery. Apower Electronics Co., Ltd. / AEC565786B Rating: 3.8Vdc, 4000mAh, 15.2Wh - Power from Car Charger. TTT / TCV10100 I/P: DC 12-24V, 1.3A O/P: DC 5V, 2A

PMN	SC680A-NA
EUT Serial #	HKE3AM00013
Class II Permissive Change	The intention of this application is to enable the modular certified FCC ID:P4Q-SC680A to be integrated in MiTAC Tablet N722. 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 intention of this application is to enable the modular certified IC: 2420C-SC680A to be integrated in MiTAC Tablet N722. 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.

1.5 FACILITIES AND TEST LOCATION

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

- ☒ No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.
☐ No. 12, Ln. 116, Wugong 3rd Rd., Wugu Dist., New Taipei City, Taiwan.

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	Czerny Lin	-
Radiation	Ray Li 、 Tony Chao	-
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

966A_Radiated Wi-Fi 5GHz					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Analyzer	KEYSIGHT	N9010A	MY54200716	2023-10-13	2024-10-12
Thermo-Hygro Meter	WISEWIND	1206	D07	2023-12-08	2024-12-07
Loop Antenna	COM-POWER	AL-130	121051	2023-05-23	2024-05-22
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	003	2023-02-01	2024-01-31
Horn Antenna	SCHWARZBECK	BBHA9170	1047	2023-12-13	2024-12-12
Pre-Amplifier	EMCI	EMC184045SE	980860	2023-12-12	2024-12-11
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Site Validation	CCS	966A	N/A	2023-07-10	2024-07-09
Software	e3 V9-210616c				

Conducted_FCC_ALL					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EXA Signal Analyzer	Keysight	N9030B	MY62291089	2023-10-13	2024-10-12
Power Meter	Anritsu	ML2496A	2136002	2023-11-16	2024-11-15
Power Sensor	Anritsu	MA2411B	1911386	2023-07-25	2024-07-24
Power Sensor	Anritsu	MA2411B	1911387	2023-07-25	2024-07-24
Software	Radio Test Software Ver. 21				

Remark:

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

AC Mains Conduction					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI	100064	2023-06-07	2024-06-06
LISN	TESEQ	LN2-16N	22012	2023-03-08	2024-03-07
				2024-02-29	2025-02-27
Cable	EMCI	CFD300-NL	CERF	2023-06-27	2024-06-26
Software	e3 V6-110812				

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

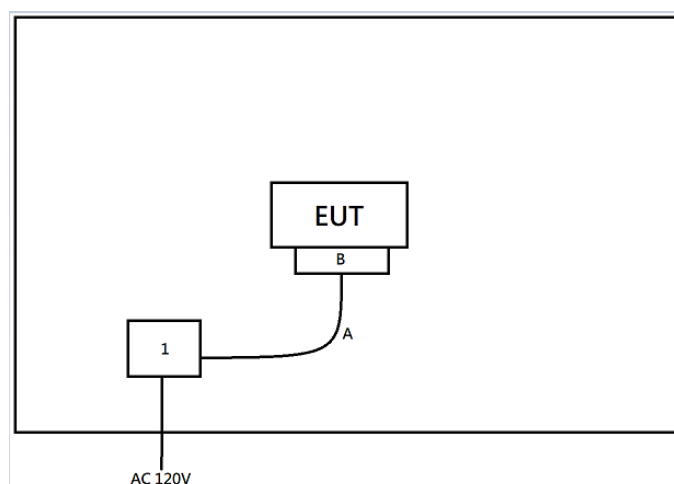
EUT Accessories Equipment						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
	N/A					

Support Equipment (Conducted)						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	NB(E)	Lenovo	T460	N/A	N/A	N/A

Support Equipment (Conduction)						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	Type C Cable	JHEN VEI ELECTRONIC CO.,LTD	422N63500017	N/A	N/A	N/A
2	USB Cable	Kunshan Cablex [Copartner] MFG	422N46100001	N/A	N/A	N/A
3	Adapter	LUCENT TRANS	1A52-PD20W	N/A	N/A	N/A
4	Adapter	LUCENT TRANS	MSS050200BI	N/A	N/A	N/A

Support Equipment (RSE)						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	DC Power Source	GWINSTEK	SPS-3610	GPE880163	N/A	N/A
A	Fleet Cable	Kunshan Cablex [Copartner] MFG	N/A	N/A	N/A	N/A
B	Cradle	MiTAC	N564	N/A	N/A	N/A

1.8 TEST SETUP DIAGRAM



1.9 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

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 Adapter (1A52-PD20W) Mode 2:EUT power by Adapter (MSS050200BI)
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 DC12V Fleet Cable withCradle
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 DC12V Fleet Cable with Cradle Mode 2: EUT power by DC24V Fleet Cable with Cradle Mode 3: EUT power by Type C With Adapter(1A52-PD20W) Mode 4: EUT power by Type C With Adapter(MSS050200BI) Mode 5: EUT power by Battery Mode 6: EUT power by DC12V With Car Charger Mode 7: EUT power by DC24V With Car Charger
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4

Radiated Emission Measurement [co-location]	
Test Condition	Radiated Emission [co-location]
Power supply Mode	Mode 1: Wi-Fi 5G+LTE B2+NFC Mode 2: Wi-Fi 5G+LTE B13+NFC
Worst Mode	☒ Mode 1 ☒ Mode 2 ☐ Mode 3 ☐ Mode 4

Remark:

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

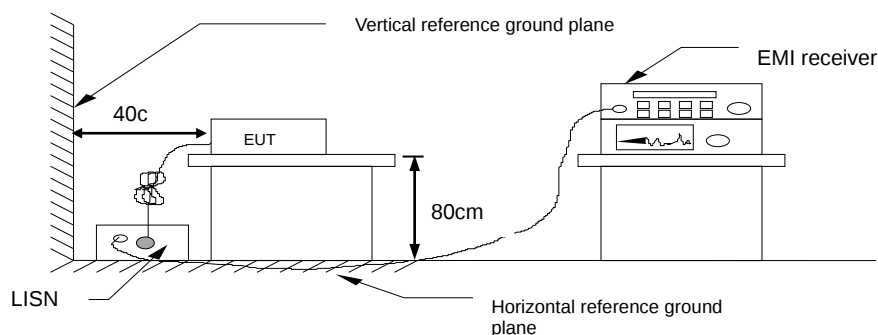
* Decreases with the logarithm of the frequency.

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

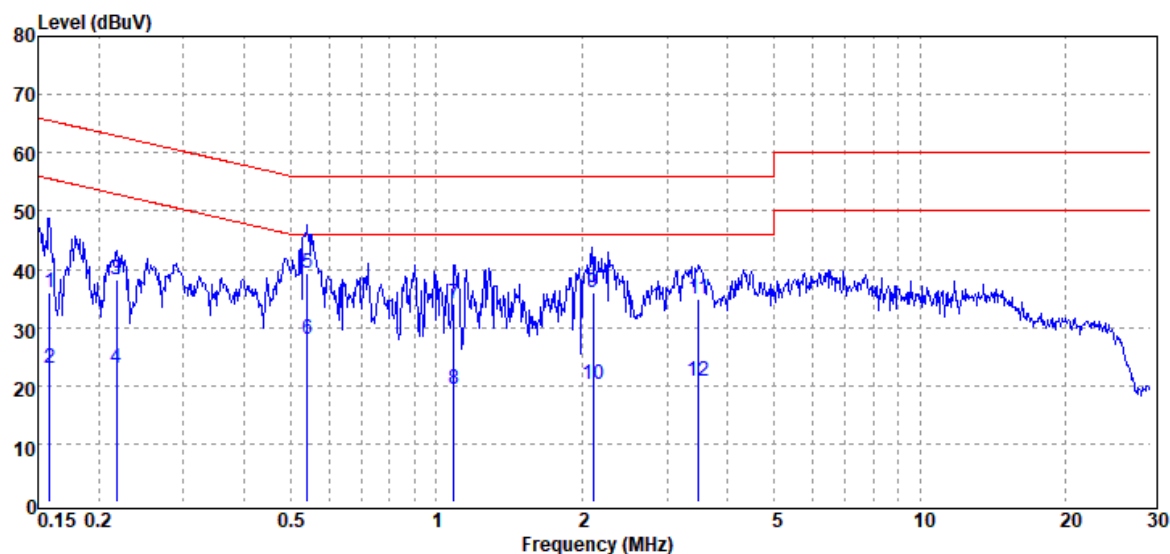
Pass.

Report No.: TMWK2402000500KR

Test Data

Project No : TM-2311000354P
Operation Mode : Wifi5G
Test Chamber : Conduction
Probe : LINE
Note : Mode 1

Test Date : 2024-04-02
Temp./Humi. : 23.5°C / 52%
Engineer : Czerny Lin
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	35.85	0.15	36.00	65.53	-29.53
0.159	Average	22.95	0.15	23.10	55.53	-32.43
0.218	QP	38.18	0.15	38.33	62.91	-24.58
0.218	Average	22.76	0.15	22.91	52.91	-30.00
0.541	QP	39.17	0.15	39.32	56.00	-16.68
0.541	Average	27.87	0.15	28.02	46.00	-17.98
1.085	QP	33.89	0.16	34.05	56.00	-21.95
1.085	Average	19.31	0.16	19.47	46.00	-26.53
2.106	QP	35.78	0.22	36.00	56.00	-20.00
2.106	Average	19.99	0.22	20.21	46.00	-25.79
3.484	QP	34.54	0.26	34.80	56.00	-21.20
3.484	Average	20.47	0.26	20.73	46.00	-25.27

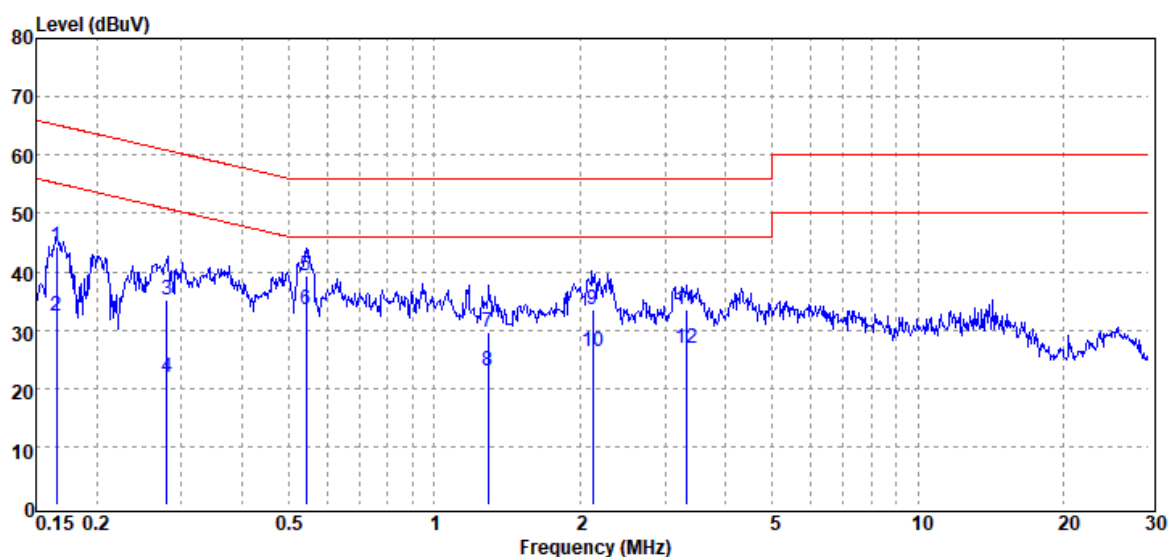
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2402000500KR

Project No : TM-2311000354P
Operation Mode : Wifi5G
Test Chamber : Conduction
Probe : NEUTRAL
Note : Mode 1

Test Date : 2024-04-02
Temp./Humi. : 23.5°C / 52%
Engineer : Czerny Lin
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
0.165	QP	44.17	0.19	44.36	65.19	-20.83
0.165	Average	32.13	0.19	32.32	55.19	-22.87
0.279	QP	34.99	0.19	35.18	60.84	-25.66
0.279	Average	21.64	0.19	21.83	50.84	-29.01
0.542	QP	39.01	0.19	39.20	56.00	-16.80
0.542	Average	33.24	0.19	33.43	46.00	-12.57
1.293	QP	29.46	0.22	29.68	56.00	-26.32
1.293	Average	22.83	0.22	23.05	46.00	-22.95
2.121	QP	33.27	0.26	33.53	56.00	-22.47
2.121	Average	26.07	0.26	26.33	46.00	-19.67
3.316	QP	33.16	0.29	33.45	56.00	-22.55
3.316	Average	26.52	0.29	26.81	46.00	-19.19

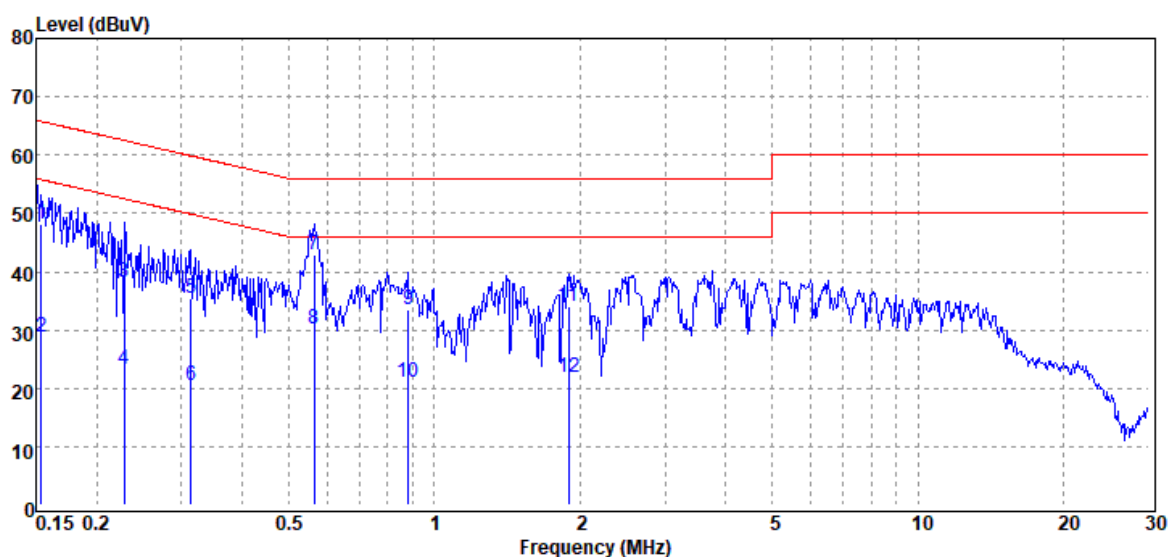
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2402000500KR

Project No : TM-2311000354P
Operation Mode : Wifi5G
Test Chamber : Conduction
Probe : LINE
Note : Mode 1

Test Date : 2024-04-02
Temp./Humi. : 23.5°C / 52%
Engineer : Czerny Lin
Test Voltage : AC 230V/50Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.154	QP	48.12	0.15	48.27	65.79	-17.52
0.154	Average	28.53	0.15	28.68	55.79	-27.11
0.229	QP	37.96	0.15	38.11	62.50	-24.39
0.229	Average	22.97	0.15	23.12	52.50	-29.38
0.314	QP	35.22	0.15	35.37	59.87	-24.50
0.314	Average	20.40	0.15	20.55	49.87	-29.32
0.563	QP	42.85	0.15	43.00	56.00	-13.00
0.563	Average	30.16	0.15	30.31	46.00	-15.69
0.885	QP	33.46	0.16	33.62	56.00	-22.38
0.885	Average	20.89	0.16	21.05	46.00	-24.95
1.897	QP	33.97	0.22	34.19	56.00	-21.81
1.897	Average	21.71	0.22	21.93	46.00	-24.07

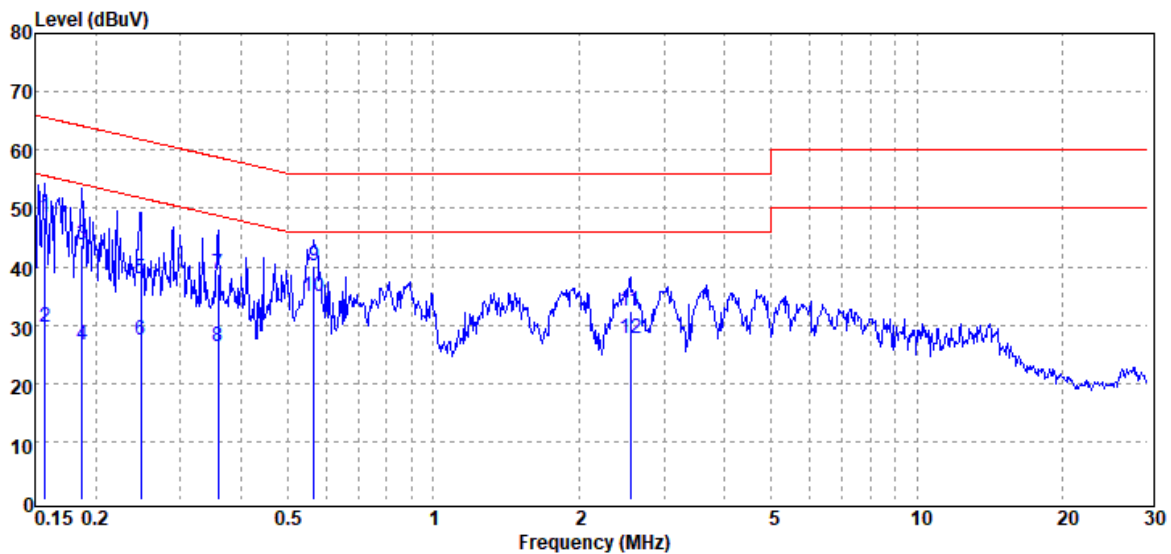
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2402000500KR

Project No : TM-2311000354P
Operation Mode : Wifi5G
Test Chamber : Conduction
Probe : NEUTRAL
Note : Mode 1

Test Date : 2024-04-02
Temp./Humi. : 23.5°C / 52%
Engineer : Czerny Lin
Test Voltage : AC 230V/50Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.157	QP	48.30	0.20	48.50	65.62	-17.12
0.157	Average	29.30	0.20	29.50	55.62	-26.12
0.187	QP	43.56	0.19	43.75	64.15	-20.40
0.187	Average	26.41	0.19	26.60	54.15	-27.55
0.248	QP	37.75	0.19	37.94	61.81	-23.87
0.248	Average	27.21	0.19	27.40	51.81	-24.41
0.358	QP	38.49	0.19	38.68	58.77	-20.09
0.358	Average	26.08	0.19	26.27	48.77	-22.50
0.565	QP	40.04	0.19	40.23	56.00	-15.77
0.565	Average	34.73	0.19	34.92	46.00	-11.08
2.555	QP	32.10	0.28	32.38	56.00	-23.62
2.555	Average	27.53	0.28	27.81	46.00	-18.19

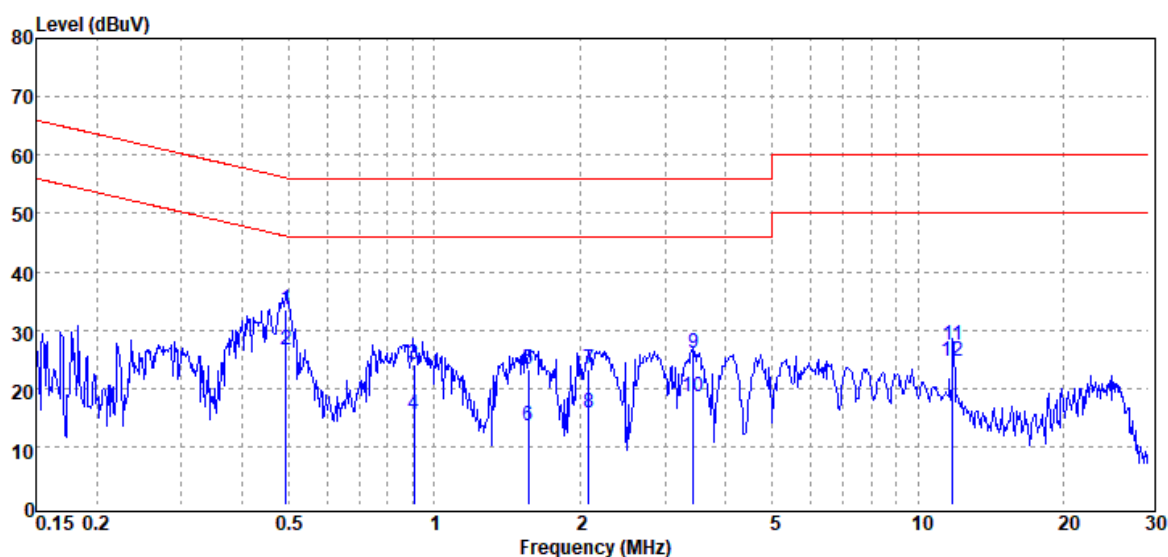
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2402000500KR

Project No : TM-2311000354P
Operation Mode : Wifi5G
Test Chamber : Conduction
Probe : LINE
Note : Mode 2

Test Date : 2024-04-08
Temp./Humi. : 21.5°C / 50%
Engineer : Czerny Lin
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
0.494	QP	33.38	0.15	33.53	56.10	-22.57
0.494	Average	26.41	0.15	26.56	46.10	-19.54
0.908	QP	23.92	0.16	24.08	56.00	-31.92
0.908	Average	15.22	0.16	15.38	46.00	-30.62
1.566	QP	23.18	0.20	23.38	56.00	-32.62
1.566	Average	13.40	0.20	13.60	46.00	-32.40
2.082	QP	23.02	0.22	23.24	56.00	-32.76
2.082	Average	15.44	0.22	15.66	46.00	-30.34
3.428	QP	25.70	0.26	25.96	56.00	-30.04
3.428	Average	18.15	0.26	18.41	46.00	-27.59
11.815	QP	26.92	0.40	27.32	60.00	-32.68
11.815	Average	24.32	0.40	24.72	50.00	-25.28

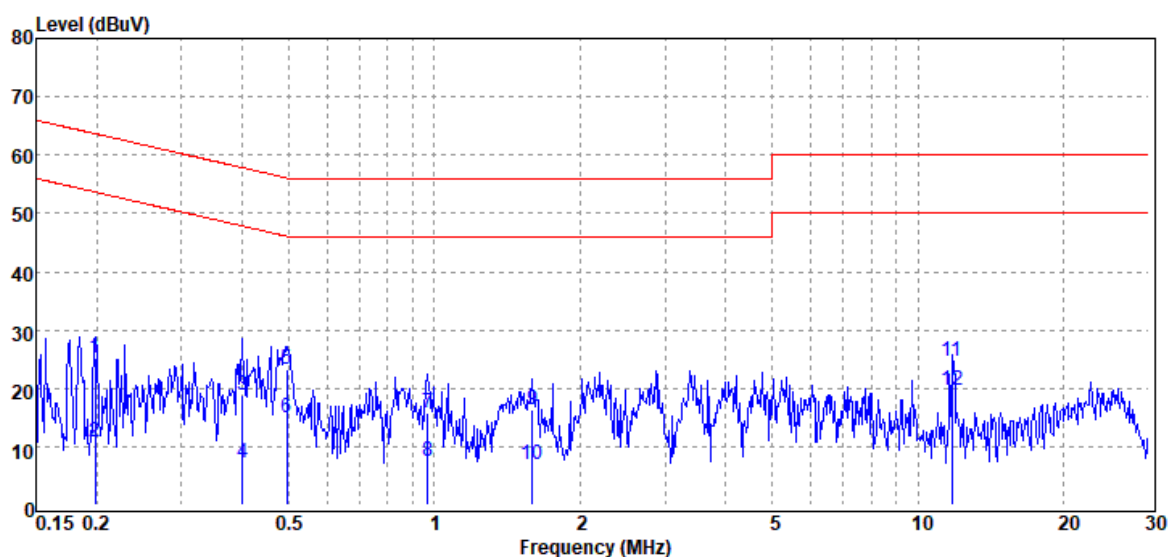
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2402000500KR

Project No : TM-2311000354P
Operation Mode : Wifi5G
Test Chamber : Conduction
Probe : NEUTRAL
Note : Mode 2

Test Date : 2024-04-08
Temp./Humi. : 21.5°C / 50%
Engineer : Czerny Lin
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
0.199	QP	25.12	0.19	25.31	63.66	-38.35
0.199	Average	10.62	0.19	10.81	53.66	-42.85
0.402	QP	18.70	0.19	18.89	57.82	-38.93
0.402	Average	7.07	0.19	7.26	47.82	-40.56
0.494	QP	23.00	0.19	23.19	56.09	-32.90
0.494	Average	14.65	0.19	14.84	46.09	-31.25
0.968	QP	15.62	0.21	15.83	56.00	-40.17
0.968	Average	7.39	0.21	7.60	46.00	-38.40
1.596	QP	16.18	0.25	16.43	56.00	-39.57
1.596	Average	6.73	0.25	6.98	46.00	-39.02
11.751	QP	24.24	0.42	24.66	60.00	-35.34
11.751	Average	19.18	0.42	19.60	50.00	-30.40

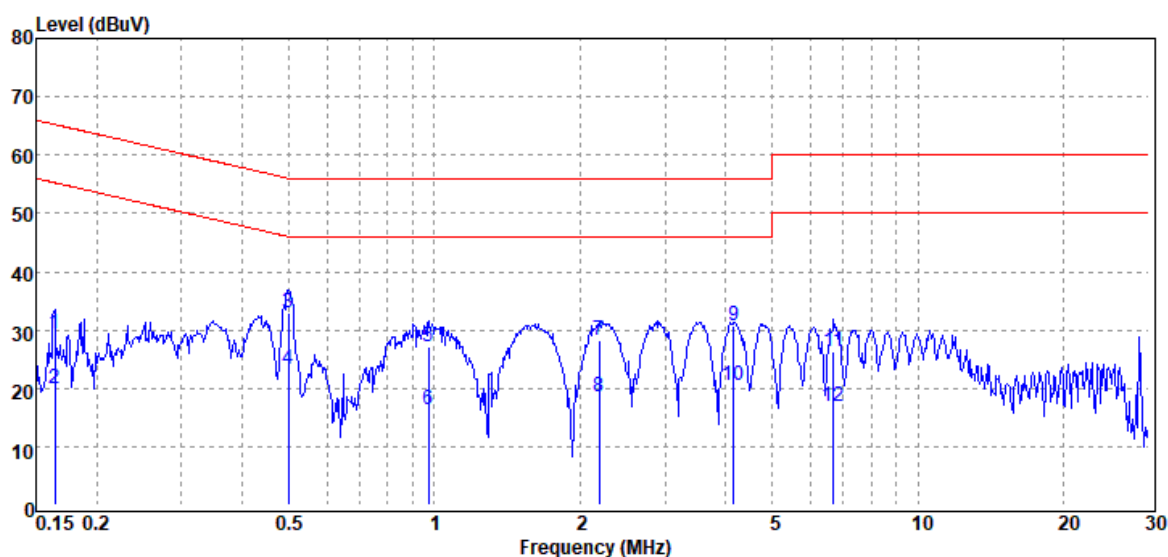
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2402000500KR

Project No : TM-2311000354P
Operation Mode : Wifi5G
Test Chamber : Conduction
Probe : LINE
Note : Mode 2

Test Date : 2024-04-08
Temp./Humi. : 21.5°C / 50%
Engineer : Czerny Lin
Test Voltage : AC 230V/50Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.164	QP	29.14	0.15	29.29	65.26	-35.97
0.164	Average	19.72	0.15	19.87	55.26	-35.39
0.498	QP	32.84	0.15	32.99	56.03	-23.04
0.498	Average	23.06	0.15	23.21	46.03	-22.82
0.973	QP	27.02	0.16	27.18	56.00	-28.82
0.973	Average	16.24	0.16	16.40	46.00	-29.60
2.190	QP	28.00	0.22	28.22	56.00	-27.78
2.190	Average	18.19	0.22	18.41	46.00	-27.59
4.162	QP	30.48	0.26	30.74	56.00	-25.26
4.162	Average	20.11	0.26	20.37	46.00	-25.63
6.698	QP	26.10	0.32	26.42	60.00	-33.58
6.698	Average	16.44	0.32	16.76	50.00	-33.24

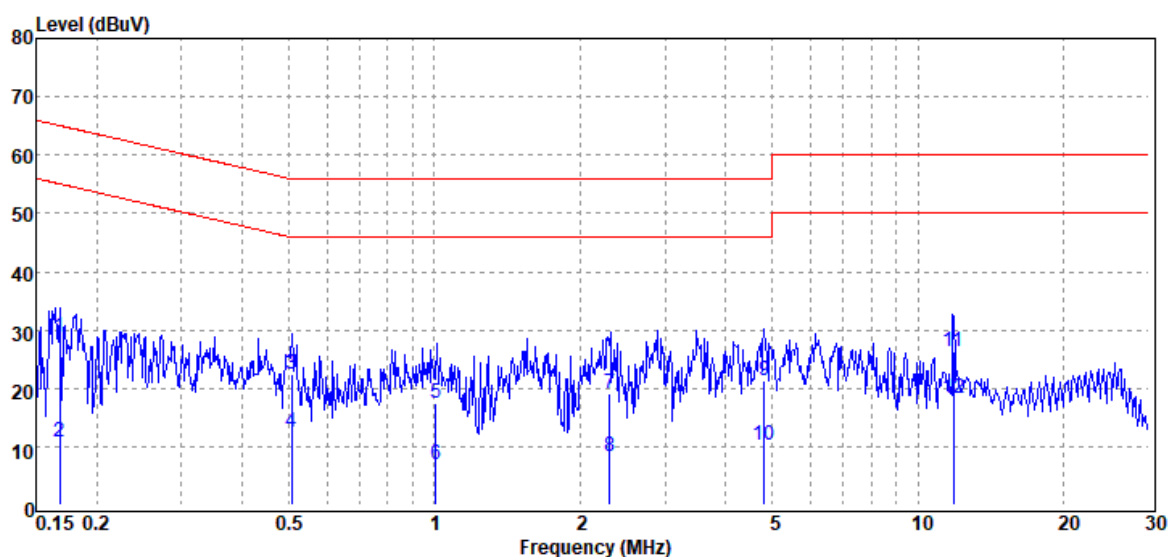
Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

Report No.: TMWK2402000500KR

Project No : TM-2311000354P
Operation Mode : Wifi5G
Test Chamber : Conduction
Probe : NEUTRAL
Note : Mode 2

Test Date : 2024-04-08
Temp./Humi. : 21.5°C / 50%
Engineer : Czerny Lin
Test Voltage : AC 230V/50Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.168	QP	28.52	0.19	28.71	65.07	-36.36
0.168	Average	10.63	0.19	10.82	55.07	-44.25
0.507	QP	22.37	0.19	22.56	56.00	-33.44
0.507	Average	12.20	0.19	12.39	46.00	-33.61
1.008	QP	17.18	0.21	17.39	56.00	-38.61
1.008	Average	6.80	0.21	7.01	46.00	-38.99
2.302	QP	18.85	0.27	19.12	56.00	-36.88
2.302	Average	8.10	0.27	8.37	46.00	-37.63
4.810	QP	20.92	0.33	21.25	56.00	-34.75
4.810	Average	10.02	0.33	10.35	46.00	-35.65
11.818	QP	25.93	0.42	26.35	60.00	-33.65
11.818	Average	17.85	0.42	18.27	50.00	-31.73

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 = $30 - (DG - 6)$]

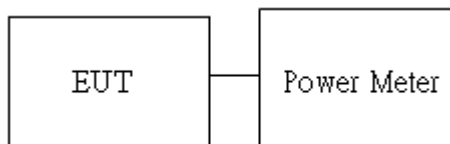
4.2.2 Test Procedure

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



4.2.4 Test Result

Temperature: 16.6 ~ 23.8°C

Test date: December 7, 2023 ~
March 22, 2024

Humidity: 46 ~ 66% RH

Tested by: Marco Chan

For FCC:

802.11a_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	17	15.42	34.804	23.98	PASS
44	5220	6	16.5	15.41	34.723	23.98	PASS
48	5240	6	16.5	15.36	34.326	23.98	PASS
52	5260	6	16.5	15.06	32.035	23.98	PASS
60	5300	6	16.5	15.16	32.781	23.98	PASS
64	5320	6	16.5	14.97	31.378	23.98	PASS
100	5500	6	18	15.07	32.109	23.98	PASS
116	5580	6	18.5	15.10	32.331	23.98	PASS
140	5700	6	19	14.84	30.453	23.98	PASS
144	5720	6	19.5	15.09	32.26	23.98	PASS
149	5745	6	20.5	15.04	31.888	30	PASS
157	5785	6	20.5	14.83	30.382	30	PASS
165	5825	6	20.5	15.05	31.961	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	16	14.13	25.887	23.98	PASS
44	5220	MCS0	16	14.17	26.127	23.98	PASS
48	5240	MCS0	16	14.07	25.532	23.98	PASS
52	5260	MCS0	15.5	14.11	25.768	23.98	PASS
60	5300	MCS0	15.5	14.21	26.368	23.98	PASS
64	5320	MCS0	15.5	13.99	25.066	23.98	PASS
100	5500	MCS0	17	13.98	25.008	23.98	PASS
116	5580	MCS0	17.5	13.96	24.893	23.98	PASS
140	5700	MCS0	18.5	14.02	25.240	23.98	PASS
144	5720	MCS0	18.5	14.24	26.55	23.98	PASS
149	5745	MCS0	19.5	14.04	25.356	30	PASS
157	5785	MCS0	20	14.01	25.182	30	PASS
165	5825	MCS0	20	14.06	25.473	30	PASS

802.11ac_VHT20_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	16	14.07	25.529	23.98	PASS
44	5220	MCS0	16	14.12	25.825	23.98	PASS
48	5240	MCS0	16	14.06	25.471	23.98	PASS
52	5260	MCS0	15.5	14.04	25.354	23.98	PASS
60	5300	MCS0	15.5	14.08	25.588	23.98	PASS
64	5320	MCS0	15.5	13.87	24.380	23.98	PASS
100	5500	MCS0	17	13.94	24.776	23.98	PASS
116	5580	MCS0	17.5	13.91	24.606	23.98	PASS
140	5700	MCS0	18.5	13.90	24.549	23.98	PASS
144	5720	MCS0	18.5	14.21	26.37	23.98	PASS
149	5745	MCS0	19.5	13.91	24.606	30	PASS
157	5785	MCS0	20	14.00	25.121	30	PASS
165	5825	MCS0	20	14.01	25.179	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	16	14.57	28.657	23.98	PASS
46	5230	MCS0	16	14.69	29.460	23.98	PASS
54	5270	MCS0	15	14.56	28.591	23.98	PASS
62	5310	MCS0	15	14.59	28.789	23.98	PASS
102	5510	MCS0	16.5	14.74	29.801	23.98	PASS
110	5550	MCS0	18	14.81	30.285	23.98	PASS
134	5670	MCS0	18	14.38	27.430	23.98	PASS
142	5710	MCS0	17.5	14.51	28.26	23.98	PASS
151	5755	MCS0	18.5	14.19	26.256	30	PASS
159	5795	MCS0	19	14.65	29.190	30	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	16	14.49	28.125	23.98	PASS
46	5230	MCS0	16	14.66	29.248	23.98	PASS
54	5270	MCS0	15	14.53	28.385	23.98	PASS
62	5310	MCS0	15	14.58	28.714	23.98	PASS
102	5510	MCS0	16.5	14.72	29.655	23.98	PASS
110	5550	MCS0	18	14.76	29.929	23.98	PASS
134	5670	MCS0	18	14.34	27.170	23.98	PASS
142	5710	MCS0	17.5	14.43	27.74	23.98	PASS
151	5755	MCS0	18.5	14.18	26.187	30	PASS
159	5795	MCS0	19	14.55	28.516	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	16	14.71	29.590	23.98	PASS
58	5290	MCS0	15.5	13.58	22.803	23.98	PASS
106	5530	MCS0	17.5	14.69	29.454	23.98	PASS
122	5610	MCS0	18.5	14.61	28.916	23.98	PASS
138	5690	MCS0	20.5	13.99	25.07	23.98	PASS
155	5775	MCS0	20.5	13.95	24.839	30	PASS

For IC:

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	15.06	32.035	23.98	PASS
60	5300	15.16	32.781	23.98	PASS
64	5320	14.97	31.378	23.98	PASS
100	5500	15.07	32.109	23.98	PASS
116	5580	15.10	32.331	23.98	PASS
140	5700	14.84	30.453	23.98	PASS
144	5720	15.09	32.257	23.98	PASS
149	5745	15.04	31.888	30	PASS
157	5785	14.83	30.382	30	PASS
165	5825	15.05	31.961	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	14.11	25.768	23.98	PASS
60	5300	14.21	26.368	23.98	PASS
64	5320	13.99	25.066	23.98	PASS
100	5500	13.98	25.008	23.98	PASS
116	5580	13.96	24.893	23.98	PASS
140	5700	14.02	25.240	23.98	PASS
144	5720	14.24	26.551	23.98	PASS
149	5745	14.04	25.356	30	PASS
157	5785	14.01	25.182	30	PASS
165	5825	14.06	25.473	30	PASS



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802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	14.04	25.354	23.98	PASS
60	5300	14.08	25.588	23.98	PASS
64	5320	13.87	24.380	23.98	PASS
100	5500	13.94	24.776	23.98	PASS
116	5580	13.91	24.606	23.98	PASS
140	5700	13.90	24.549	23.98	PASS
144	5720	14.21	26.366	23.98	PASS
149	5745	13.91	24.606	30	PASS
157	5785	14.00	25.121	30	PASS
165	5825	14.01	25.179	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	14.56	28.591	23.98	PASS
62	5310	14.59	28.789	23.98	PASS
102	5510	14.74	29.801	23.98	PASS
110	5550	14.81	30.285	23.98	PASS
134	5670	14.38	27.430	23.98	PASS
142	5710	14.51	28.264	23.98	PASS
151	5755	14.19	26.256	30	PASS
159	5795	14.65	29.190	30	PASS



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802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	14.53	28.385	23.98	PASS
62	5310	14.58	28.714	23.98	PASS
102	5510	14.72	29.655	23.98	PASS
110	5550	14.76	29.929	23.98	PASS
134	5670	14.34	27.170	23.98	PASS
142	5710	14.43	27.739	23.98	PASS
151	5755	14.18	26.187	30	PASS
159	5795	14.55	28.516	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	13.58	22.803	23.98	PASS
106	5530	14.69	29.454	23.98	PASS
138	5690	13.99	25.069	23.98	PASS
155	5775	13.95	24.839	30	PASS

EIRP Power:

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	15.42	-0.74	14.68	29.376	23.01	PASS
44	5220	15.41	-0.74	14.67	29.309	23.01	PASS
48	5240	15.36	-0.74	14.62	28.973	23.01	PASS
52	5260	15.06	-0.74	14.32	27.040	30	PASS
60	5300	15.16	-0.74	14.42	27.669	30	PASS
64	5320	14.97	-0.74	14.23	26.485	30	PASS
100	5500	15.07	-0.30	14.77	29.992	30	PASS
116	5580	15.10	-0.30	14.80	30.200	30	PASS
140	5700	14.84	-0.30	14.54	28.445	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	14.13	-0.74	13.39	21.827	23.01	PASS
44	5220	14.17	-0.74	13.43	22.029	23.01	PASS
48	5240	14.07	-0.74	13.33	21.528	23.01	PASS
52	5260	14.11	-0.74	13.37	21.727	30	PASS
60	5300	14.21	-0.74	13.47	22.233	30	PASS
64	5320	13.99	-0.74	13.25	21.135	30	PASS
100	5500	13.98	-0.30	13.68	23.335	30	PASS
116	5580	13.96	-0.30	13.66	23.227	30	PASS
140	5700	14.02	-0.30	13.72	23.550	30	PASS

802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	14.07	-0.74	13.33	21.528	23.01	PASS
44	5220	14.12	-0.74	13.38	21.777	23.01	PASS
48	5240	14.06	-0.74	13.32	21.478	23.01	PASS
52	5260	14.04	-0.74	13.30	21.380	30	PASS
60	5300	14.08	-0.74	13.34	21.577	30	PASS
64	5320	13.87	-0.74	13.13	20.559	30	PASS
100	5500	13.94	-0.30	13.64	23.121	30	PASS
116	5580	13.91	-0.30	13.61	22.961	30	PASS
140	5700	13.90	-0.30	13.60	22.909	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	14.57	-0.74	13.83	24.155	23.01	PASS
46	5230	14.69	-0.74	13.95	24.831	23.01	PASS
54	5270	14.56	-0.74	13.82	24.099	30	PASS
62	5310	14.59	-0.74	13.85	24.266	30	PASS
102	5510	14.74	-0.30	14.44	27.797	30	PASS
110	5550	14.81	-0.30	14.51	28.249	30	PASS
134	5670	14.38	-0.30	14.08	25.586	30	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	14.49	-0.74	13.75	23.714	23.01	PASS
46	5230	14.66	-0.74	13.92	24.660	23.01	PASS
54	5270	14.53	-0.74	13.79	23.933	30	PASS
62	5310	14.58	-0.74	13.84	24.210	30	PASS
102	5510	14.72	-0.30	14.42	27.669	30	PASS
110	5550	14.76	-0.30	14.46	27.925	30	PASS
134	5670	14.34	-0.30	14.04	25.351	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	14.71	-0.74	13.97	24.946	23.01	PASS
58	5290	13.58	-0.74	12.84	19.231	30	PASS
106	5530	14.69	-0.30	14.39	27.479	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

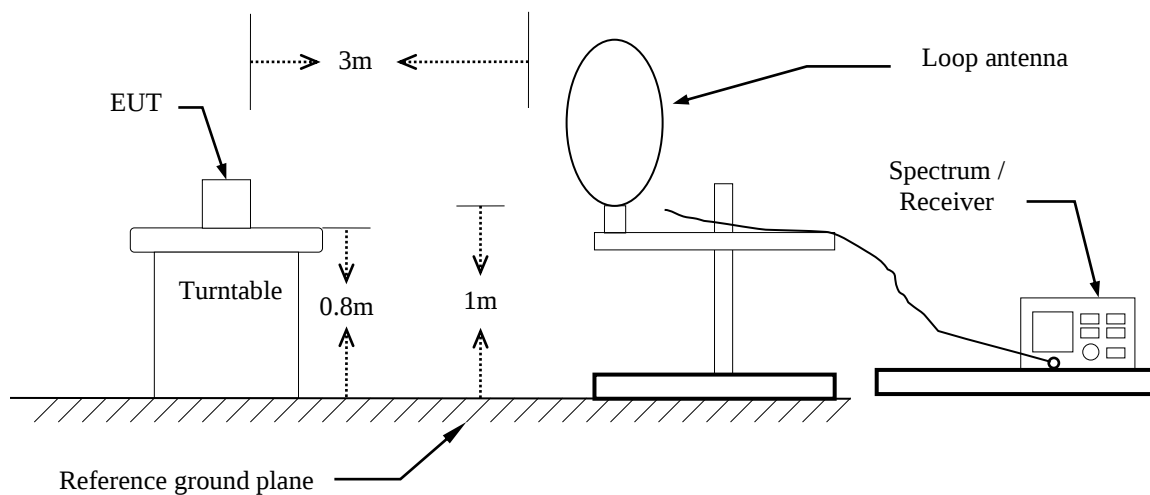
4.3.2 Test Procedure

Test method Refer as KDB 789033 D02.

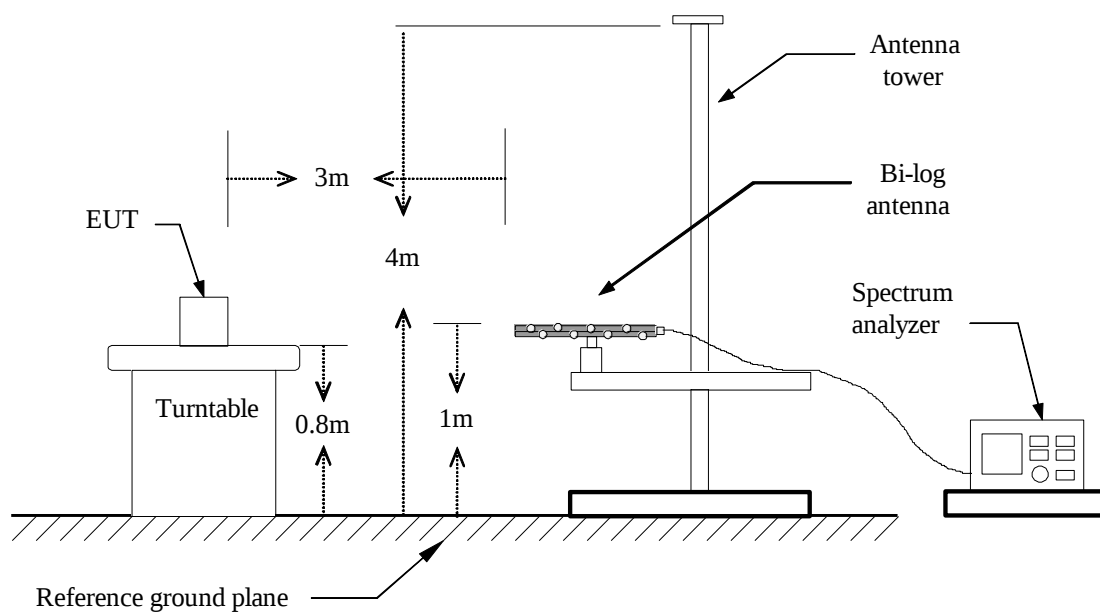
1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And 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 1G : RBW = 100kHz, VBW $\geq 3 \times$ RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2) Above 1G :
 - (2.1) For Peak measurement : RBW = 1MHz, VBW $\geq 3 \times$ RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2.2) 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

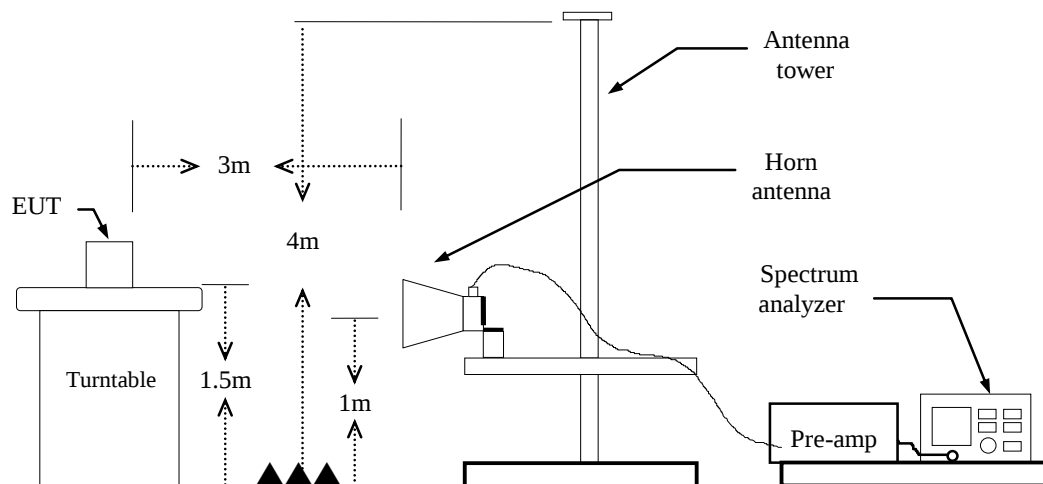
9kHz ~ 30MHz



30MHz ~ 1GHz



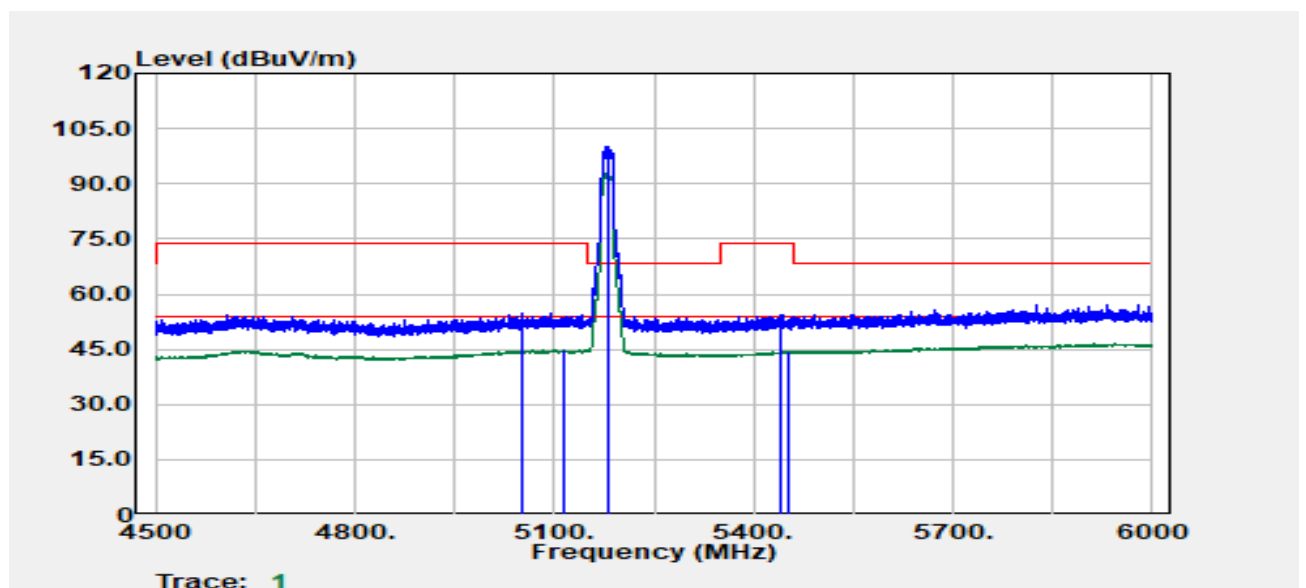
Above 1 GHz



4.3.4 Test Result

Band Edge Test Data

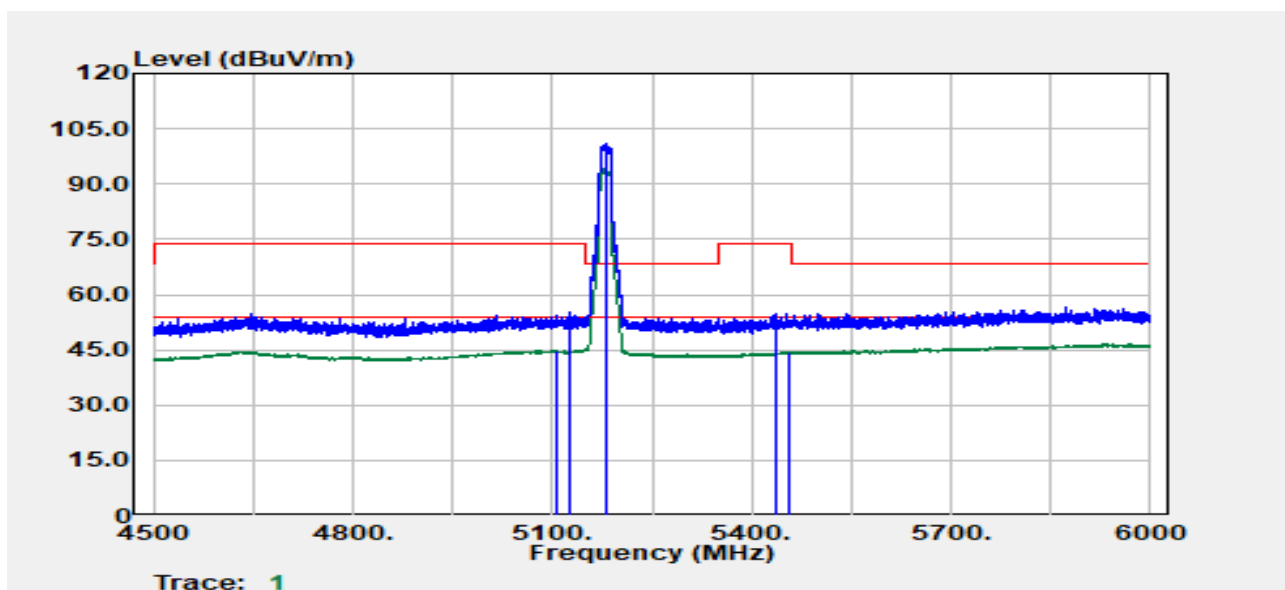
Project No	:TM-2311000354P	Test Date	:2024-03-27
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5180 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Ray Li
EUT Pol	:E2	Test Chamber	: 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5050.34	Peak	41.84	12.84	54.68	74.00	-19.32
5115.85	Average	31.80	12.95	44.75	54.00	-9.25
5180.00	Peak	87.05	12.99	100.04	--	--
5180.00	Average	79.74	12.99	92.73	--	--
5441.91	Peak	40.93	13.47	54.40	74.00	-19.60
5453.91	Average	31.00	13.51	44.52	54.00	-9.48

Project No :TM-2311000354P
Operation Band :802.11a/Band1
Frequency :5180 MHz
Operation Mode :Bandedge
EUT Pol :E2

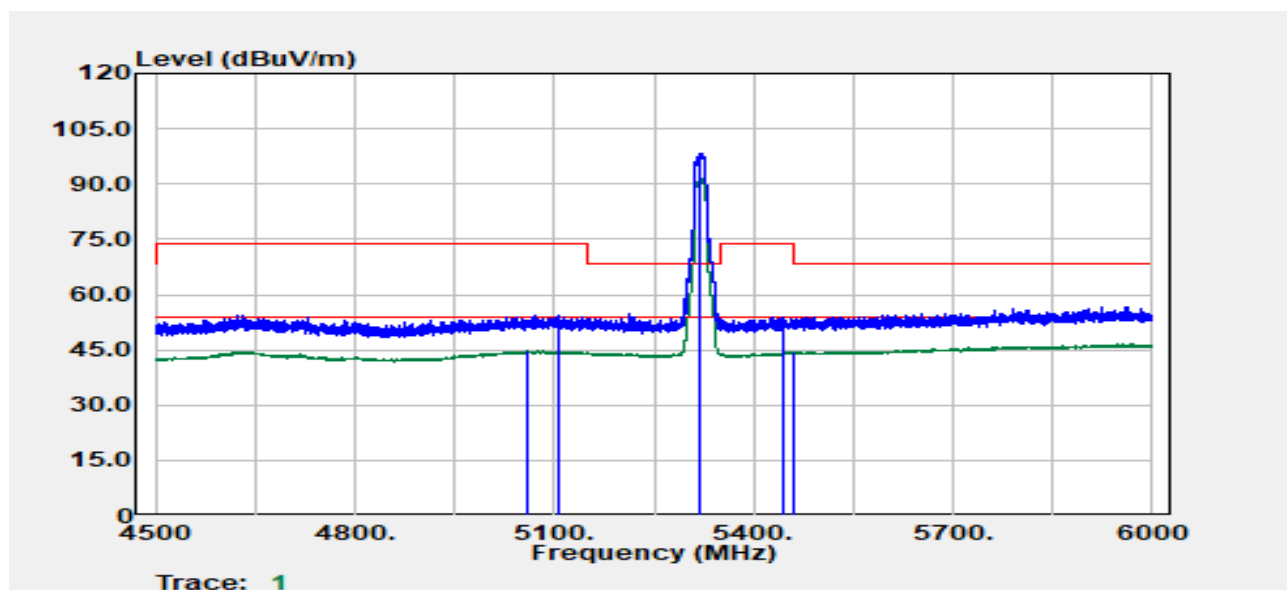
Test Date :2024-03-27
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5105.35	Average	32.08	12.96	45.04	54.00	-8.96
5125.10	Peak	42.18	12.94	55.12	74.00	-18.88
5180.00	Peak	87.87	12.99	100.86	--	--
5180.00	Average	81.25	12.99	94.24	--	--
5435.91	Peak	41.34	13.43	54.76	74.00	-19.24
5455.41	Average	31.00	13.51	44.51	54.00	-9.49

Project No :TM-2311000354P
Operation Band :802.11a/Band2
Frequency :5320 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

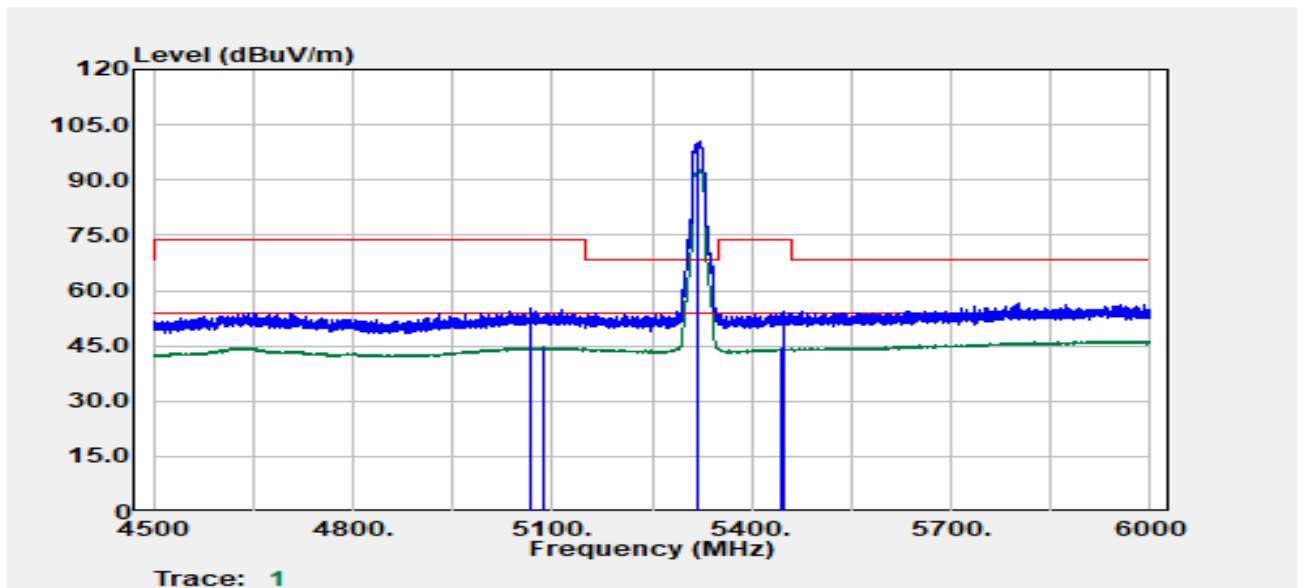


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5059.59	Average	31.89	12.86	44.75	54.00	-9.25
5107.10	Peak	41.41	12.95	54.37	74.00	-19.63
5320.00	Peak	85.11	13.25	98.36	--	--
5320.00	Average	78.01	13.25	91.26	--	--
5442.91	Peak	40.25	13.48	53.73	74.00	-20.27
5459.66	Average	30.77	13.50	44.27	54.00	-9.73

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band2
Frequency :5320 MHz
Operation Mode :Bandedge
EUT Pol :E2

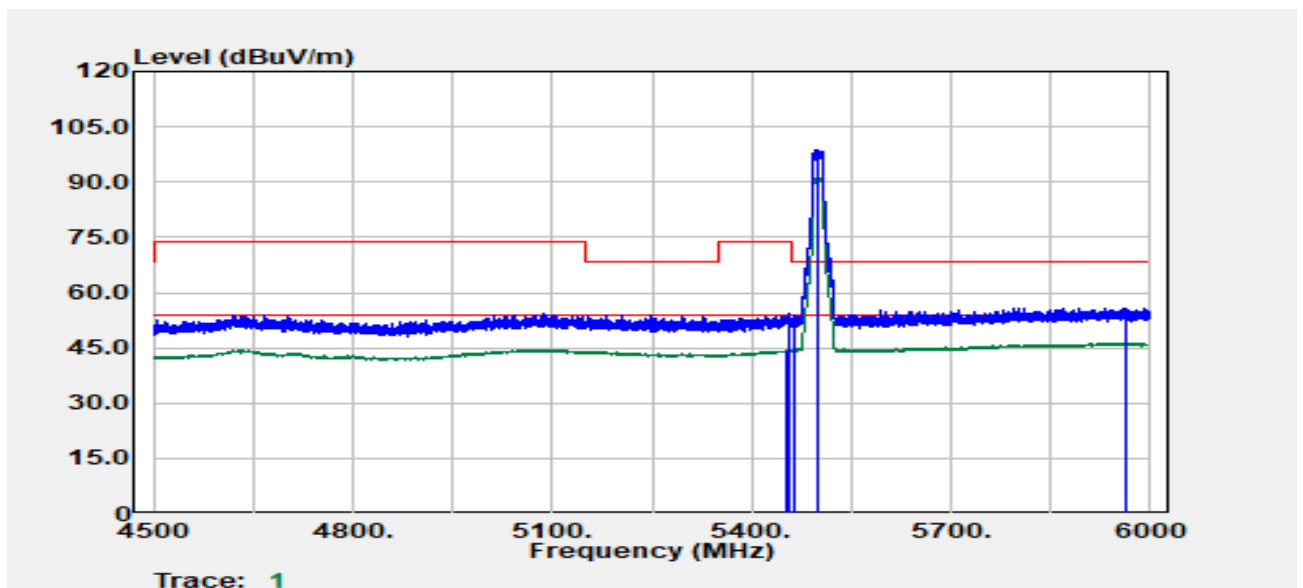
Test Date :2024-03-28
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5067.35	Peak	42.22	12.88	55.10	74.00	-18.90
5086.85	Average	31.73	12.93	44.66	54.00	-9.34
5320.00	Peak	87.13	13.25	100.37	--	--
5320.00	Average	79.73	13.25	92.98	--	--
5444.91	Average	30.81	13.49	44.30	54.00	-9.70
5450.16	Peak	40.88	13.52	54.40	74.00	-19.60

Project No :TM-2311000354P
Operation Band :802.11a/Band3
Frequency :5500 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

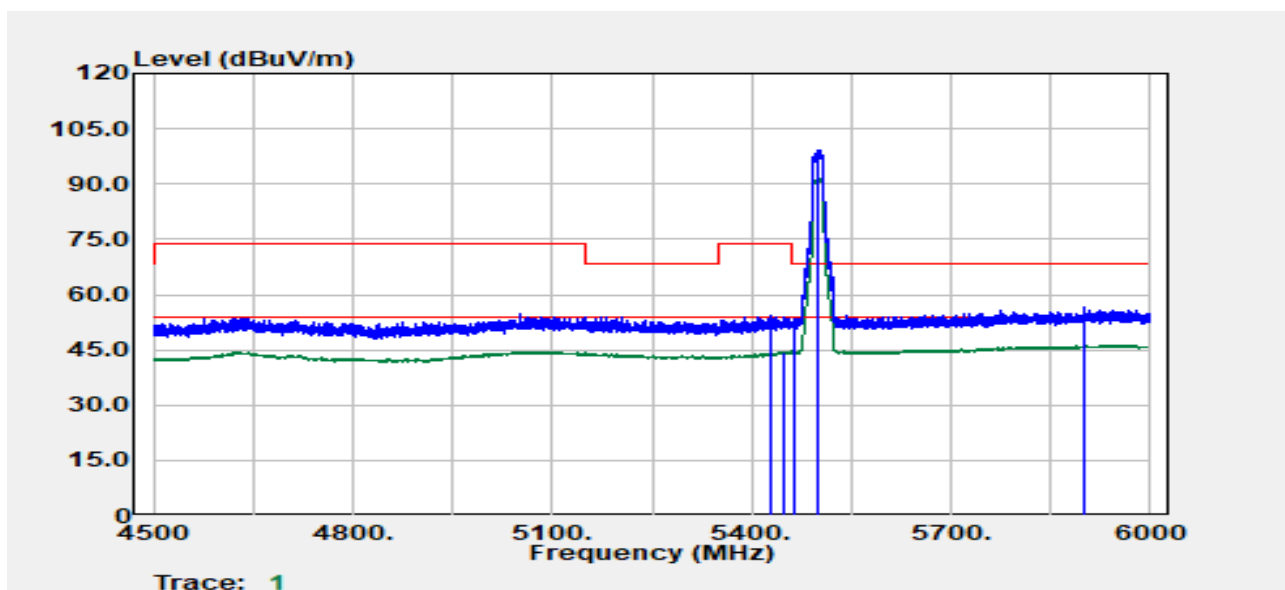


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5453.16	Average	30.78	13.52	44.29	54.00	-9.71
5455.66	Peak	40.82	13.51	54.33	74.00	-19.67
5465.91	Peak	40.25	13.48	53.73	68.20	-14.47
5500.00	Peak	85.19	13.39	98.58	--	--
5500.00	Average	77.90	13.39	91.29	--	--
5963.99	Peak	40.49	15.34	55.83	68.20	-12.37

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band3
Frequency :5500 MHz
Operation Mode :Bandedge
EUT Pol :E2

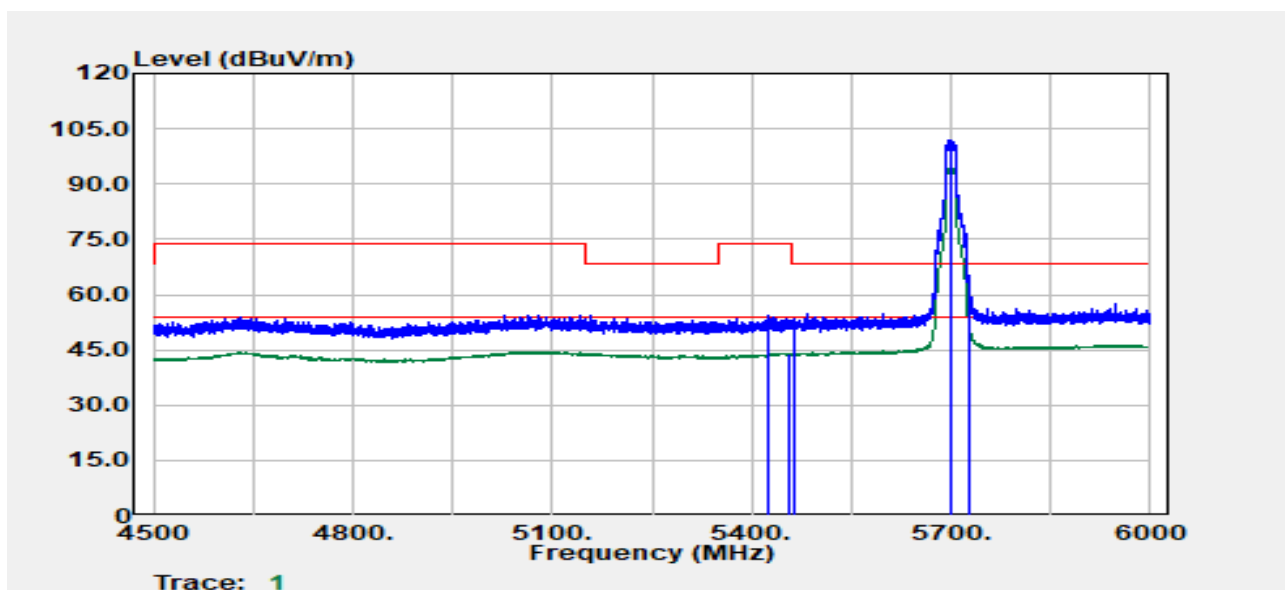
Test Date :2024-03-28
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5430.66	Peak	40.96	13.39	54.35	74.00	-19.65
5446.91	Average	30.86	13.50	44.36	54.00	-9.64
5462.91	Peak	40.09	13.49	53.58	68.20	-14.62
5500.00	Peak	85.77	13.39	99.16	--	--
5500.00	Average	78.42	13.39	91.81	--	--
5899.23	Peak	41.31	15.12	56.43	68.20	-11.77

Project No :TM-2311000354P
Operation Band :802.11a/Band3
Frequency :5700 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

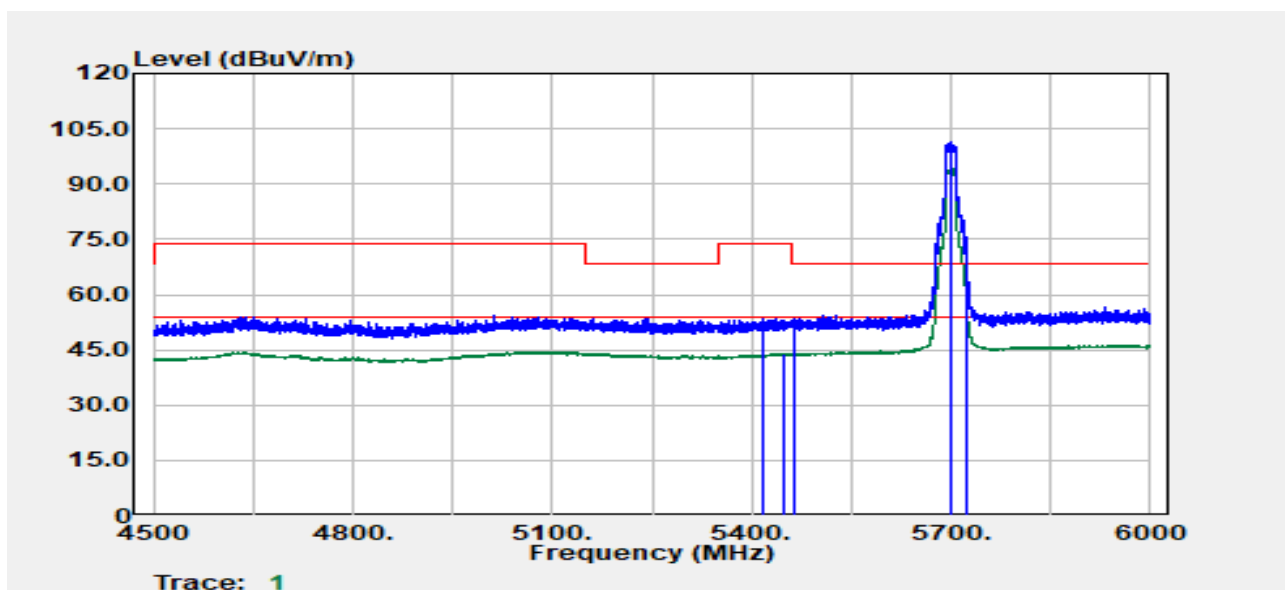


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5424.04	Peak	41.14	13.35	54.49	74.00	-19.51
5457.52	Average	30.55	13.50	44.06	54.00	-9.94
5463.27	Peak	39.98	13.49	53.47	68.20	-14.73
5700.00	Peak	87.02	14.78	101.80	--	--
5700.00	Average	79.50	14.78	94.28	--	--
5726.39	Peak	50.33	14.96	65.30	68.20	-2.90

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band3
Frequency :5700 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

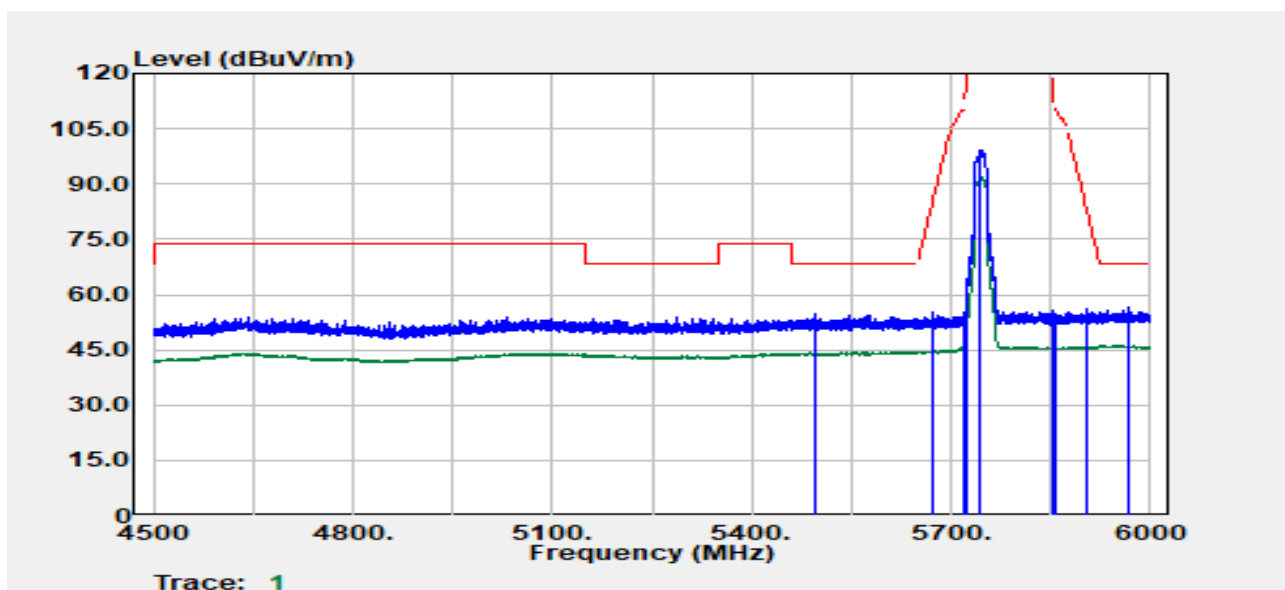


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5416.04	Peak	40.12	13.29	53.41	74.00	-20.59
5449.78	Average	30.61	13.52	44.13	54.00	-9.87
5465.27	Peak	39.86	13.48	53.35	68.20	-14.85
5700.00	Peak	86.72	14.78	101.50	--	--
5700.00	Average	79.59	14.78	94.37	--	--
5725.39	Peak	50.06	14.96	65.02	68.20	-3.18

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band4
Frequency :5745 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

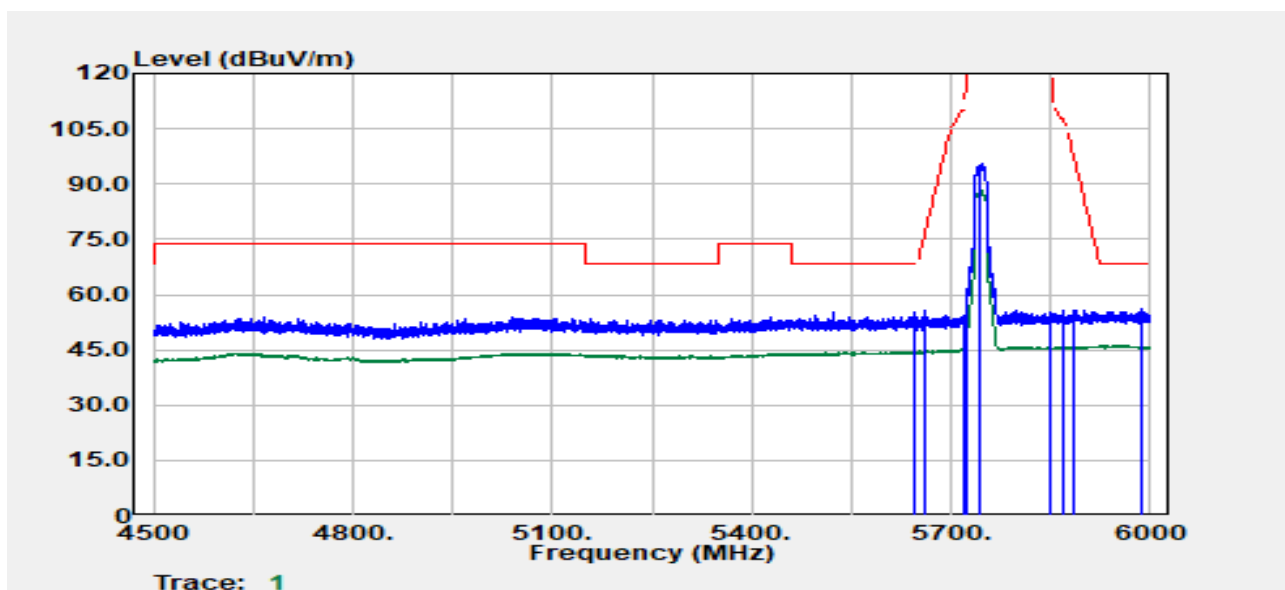


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5495.00	Peak	41.20	13.40	54.60	68.20	-13.60
5671.41	Peak	40.69	14.49	55.17	84.09	-28.92
5718.39	Peak	39.05	14.91	53.96	110.35	-56.39
5724.39	Peak	49.23	14.95	64.18	120.81	-56.62
5745.00	Peak	84.16	15.10	99.25	--	--
5745.00	Average	76.89	15.10	91.98	--	--
5851.82	Peak	40.41	15.12	55.54	118.04	-62.50
5857.32	Peak	39.69	15.12	54.81	110.15	-55.34
5903.05	Peak	41.02	15.13	56.16	84.41	-28.25
5965.27	Peak	41.34	15.34	56.68	68.20	-11.52

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band4
Frequency :5745 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

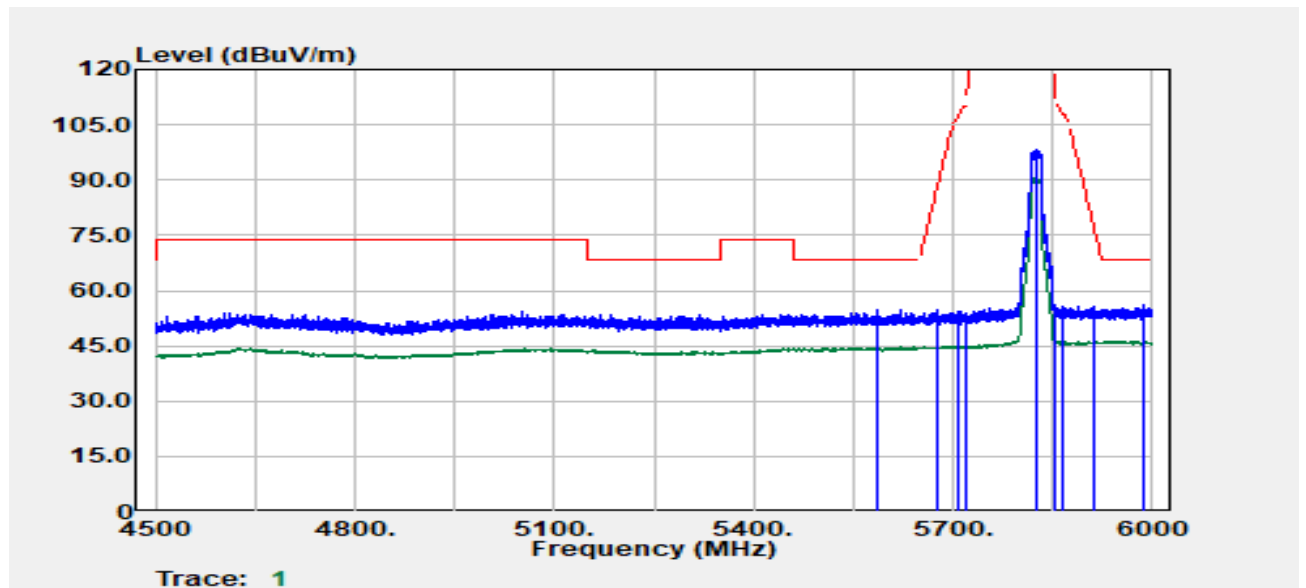


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5645.68	Peak	40.98	14.22	55.20	68.20	-13.00
5661.92	Peak	41.10	14.39	55.49	77.05	-21.56
5719.39	Peak	39.41	14.92	54.32	110.63	-56.30
5724.89	Peak	46.66	14.95	61.61	121.94	-60.33
5745.00	Peak	80.39	15.10	95.48	--	--
5745.00	Average	73.36	15.10	88.46	--	--
5850.58	Peak	39.97	15.12	55.10	120.89	-65.79
5868.82	Peak	40.42	15.12	55.55	106.93	-51.38
5885.81	Peak	40.69	15.12	55.82	97.18	-41.36
5987.76	Peak	40.68	15.30	55.98	68.20	-12.22

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band4
Frequency :5825 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

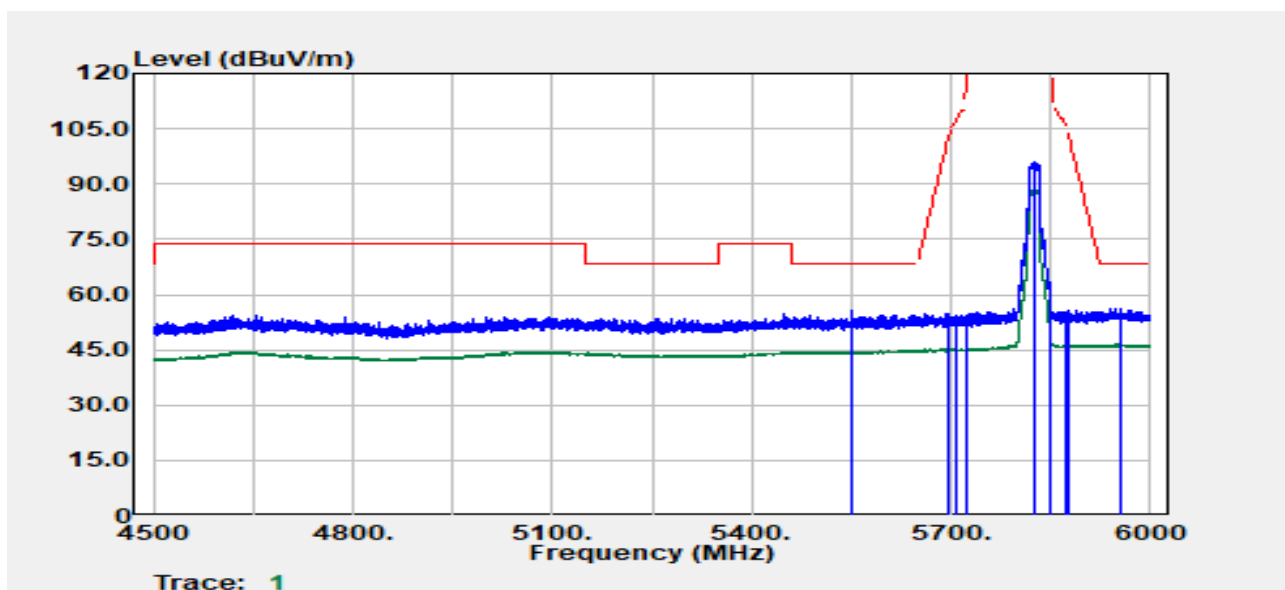


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5585.21	Peak	41.06	13.72	54.78	68.20	-13.42
5675.16	Peak	40.38	14.52	54.90	86.86	-31.96
5707.90	Peak	39.59	14.84	54.42	107.41	-52.99
5720.64	Peak	39.11	14.92	54.03	112.26	-58.23
5825.00	Peak	83.14	15.21	98.35	--	--
5825.00	Average	75.46	15.21	90.67	--	--
5851.57	Peak	40.99	15.12	56.11	118.61	-62.50
5866.32	Peak	40.74	15.12	55.86	107.63	-51.76
5914.04	Peak	40.45	15.19	55.64	76.28	-20.65
5986.51	Peak	40.62	15.30	55.93	68.20	-12.27

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band4
Frequency :5825 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

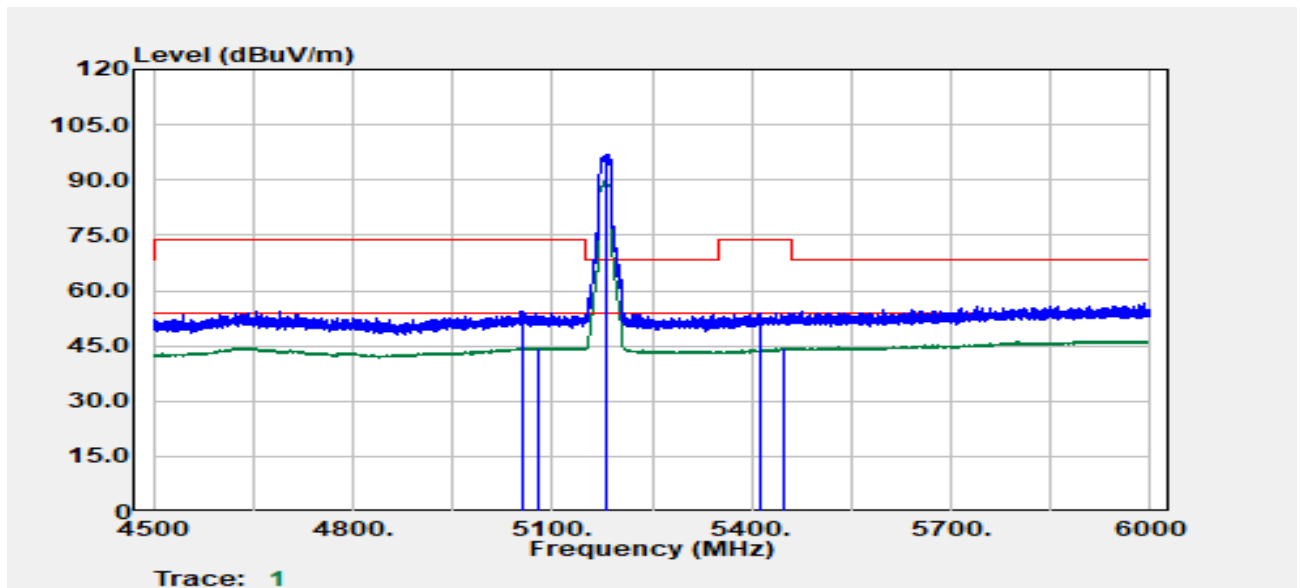


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5551.97	Peak	42.26	13.58	55.84	68.20	-12.36
5694.40	Peak	39.91	14.72	54.63	101.07	-46.44
5706.15	Peak	39.53	14.82	54.35	106.92	-52.57
5724.89	Peak	39.43	14.95	54.38	121.94	-67.56
5825.00	Peak	80.75	15.21	95.96	--	--
5825.00	Average	73.58	15.21	88.79	--	--
5850.58	Peak	42.51	15.12	57.63	120.89	-63.26
5871.56	Peak	40.33	15.12	55.45	106.16	-50.71
5877.81	Peak	40.64	15.12	55.76	103.11	-47.35
5955.52	Peak	40.88	15.36	56.23	68.20	-11.97

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band1
Frequency :5180 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

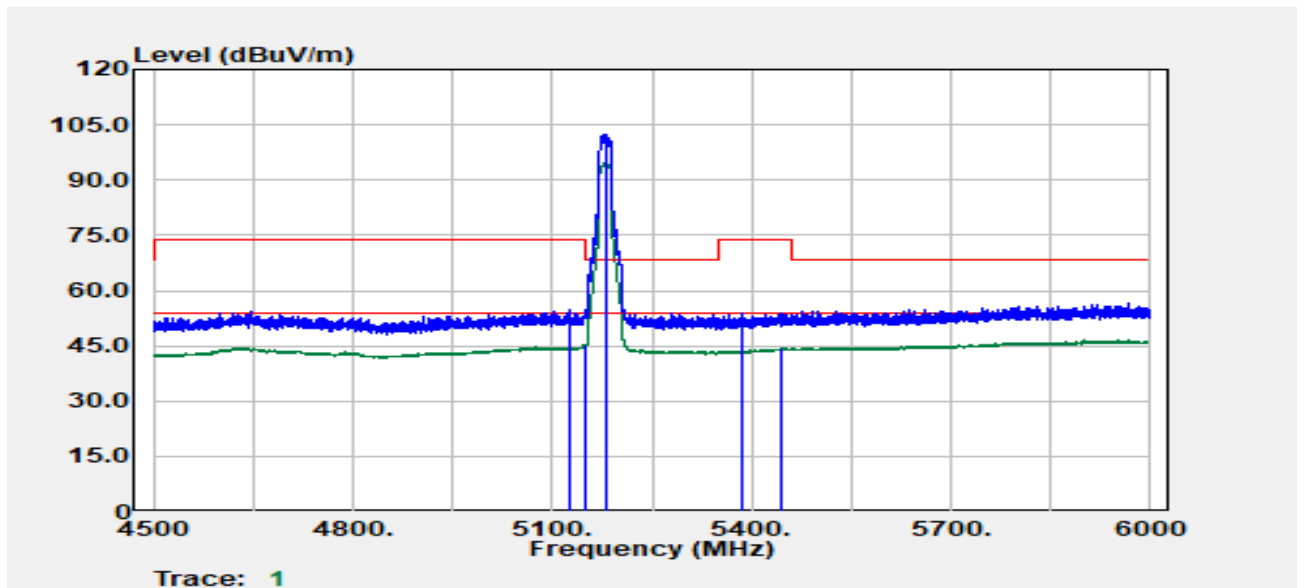


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5054.22	Peak	41.63	12.85	54.48	74.00	-19.52
5078.71	Average	31.60	12.91	44.51	54.00	-9.49
5180.00	Peak	83.81	12.99	96.80	--	--
5180.00	Average	76.66	12.99	89.65	--	--
5414.04	Peak	40.60	13.28	53.88	74.00	-20.12
5449.03	Average	30.99	13.52	44.50	54.00	-9.50

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band1
Frequency :5180 MHz
Operation Mode :Bandedge
EUT Pol :E2

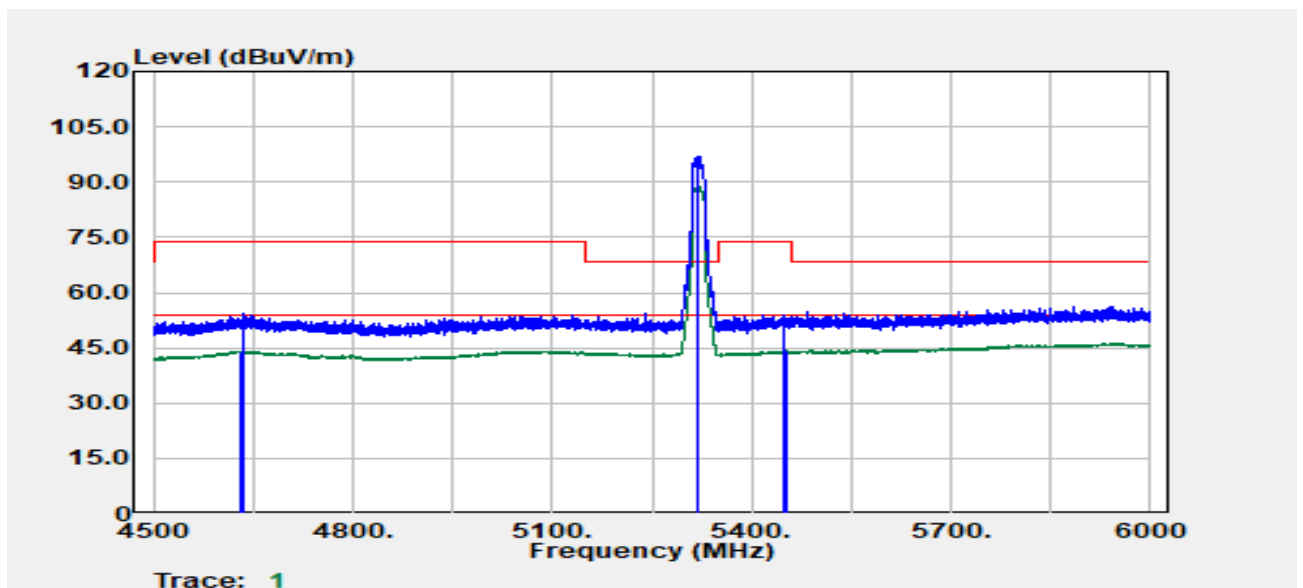
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5127.19	Peak	41.68	12.94	54.62	74.00	-19.38
5149.68	Average	32.46	12.92	45.38	54.00	-8.62
5180.00	Peak	89.32	12.99	102.31	--	--
5180.00	Average	81.87	12.99	94.87	--	--
5384.06	Peak	40.84	13.15	53.99	74.00	-20.01
5443.78	Average	30.85	13.48	44.33	54.00	-9.67

Project No :TM-2311000354P
 Operation Band :802.11n20/Band2
 Frequency :5320 MHz
 Operation Mode :Bandedge
 EUT Pol :E2

Test Date :2024-03-28
 Temp./Humi. :24.5/57
 Antenna Pol. :VERTICAL
 Engineer :Tony Chao
 Test Chamber : 966A

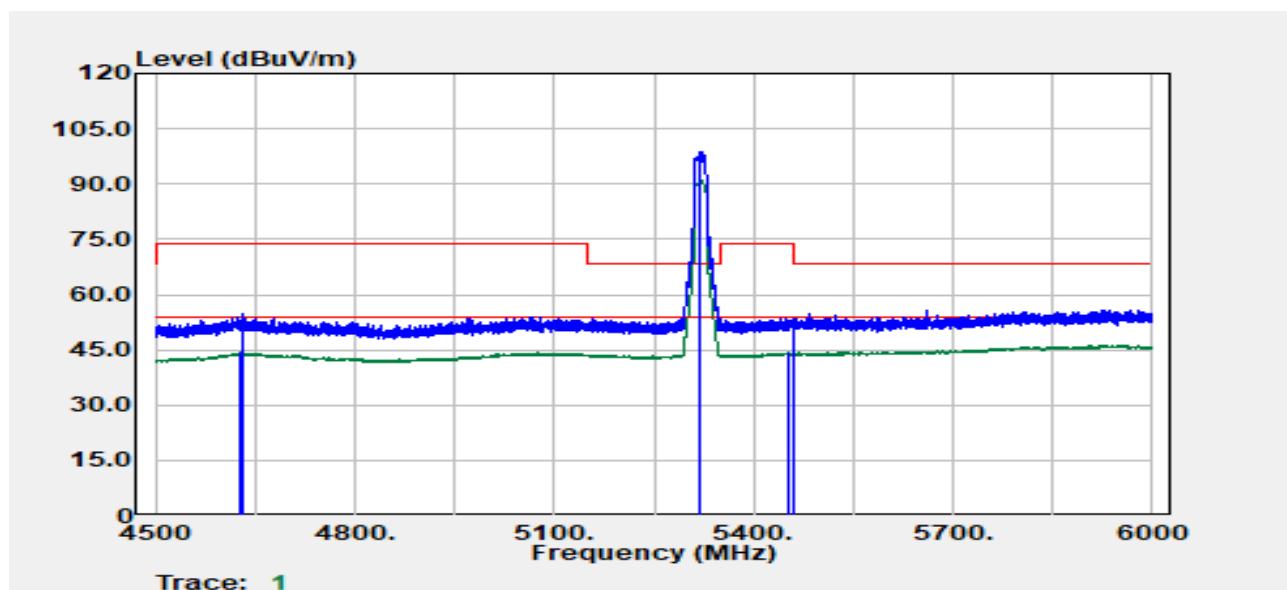


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4631.43	Average	32.17	11.93	44.11	54.00	-9.89
4634.43	Peak	42.34	11.92	54.26	74.00	-19.74
5320.00	Peak	83.52	13.25	96.77	--	--
5320.00	Average	75.84	13.25	89.09	--	--
5449.53	Peak	40.53	13.52	54.06	74.00	-19.94
5452.27	Average	30.65	13.52	44.17	54.00	-9.83

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band2
Frequency :5320 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

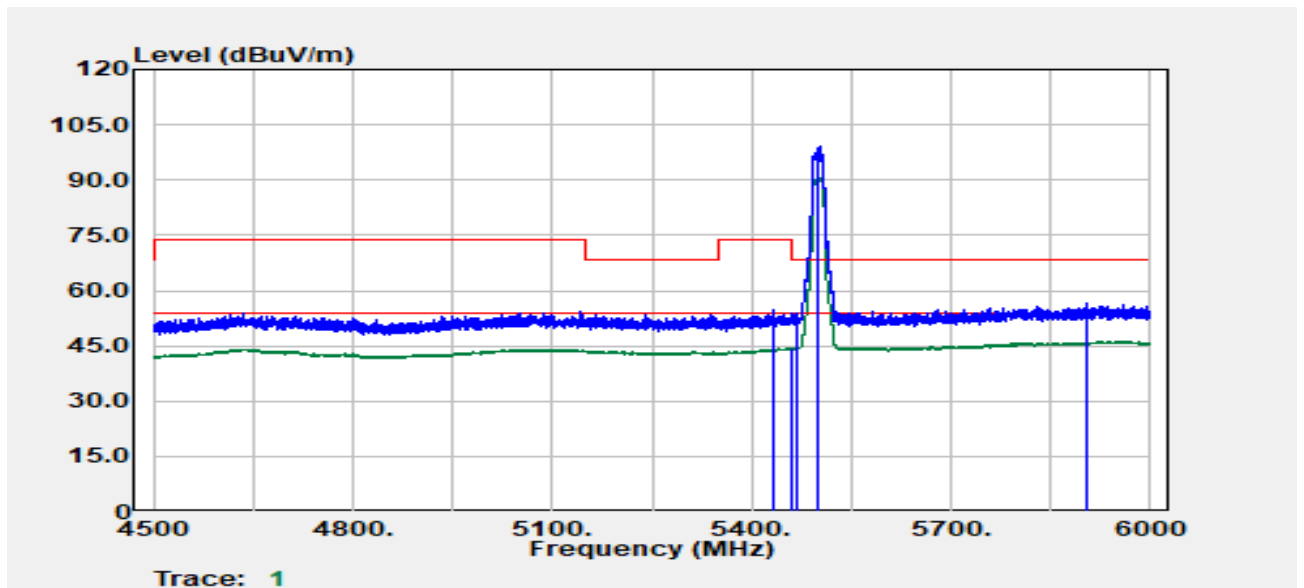


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4625.44	Average	32.26	11.97	44.22	54.00	-9.78
4631.19	Peak	42.65	11.94	54.58	74.00	-19.42
5320.00	Peak	85.56	13.25	98.81	--	--
5320.00	Average	77.92	13.25	91.17	--	--
5451.02	Average	30.74	13.52	44.26	54.00	-9.74
5458.27	Peak	40.16	13.50	53.66	74.00	-20.34

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band3
Frequency :5500 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

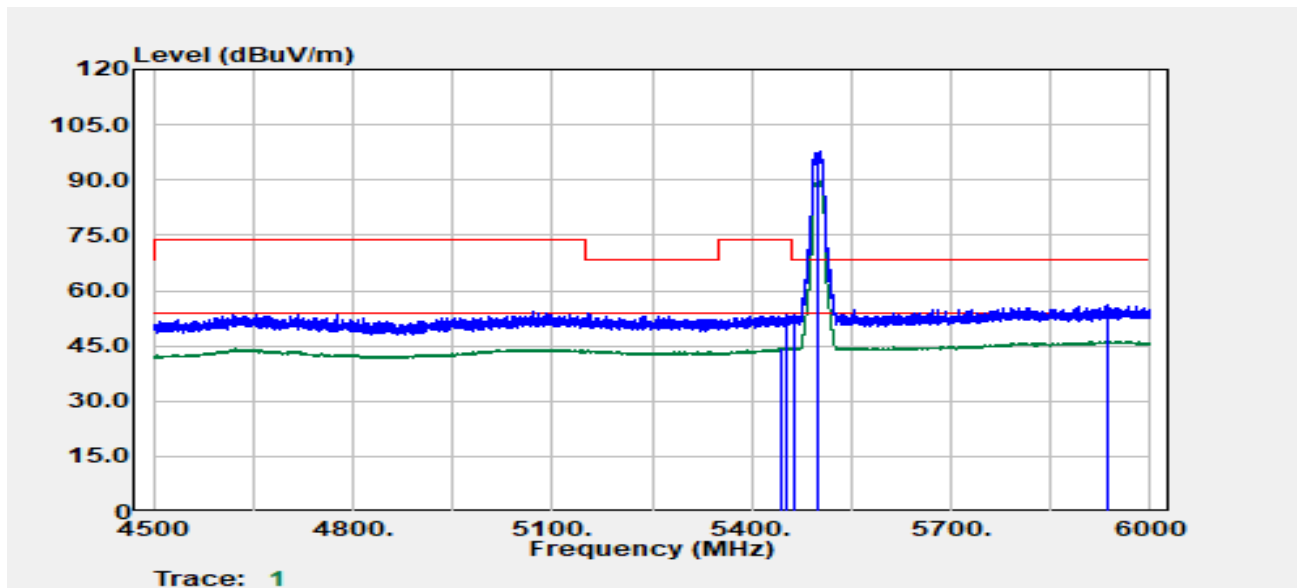


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5432.28	Peak	41.28	13.40	54.68	74.00	-19.32
5459.02	Average	30.82	13.50	44.32	54.00	-9.68
5469.52	Peak	40.35	13.47	53.82	68.20	-14.38
5500.00	Peak	85.56	13.39	98.95	--	--
5500.00	Average	77.39	13.39	90.78	--	--
5905.30	Peak	41.32	15.15	56.47	68.20	-11.73

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band3
Frequency :5500 MHz
Operation Mode :Bandedge
EUT Pol :E2

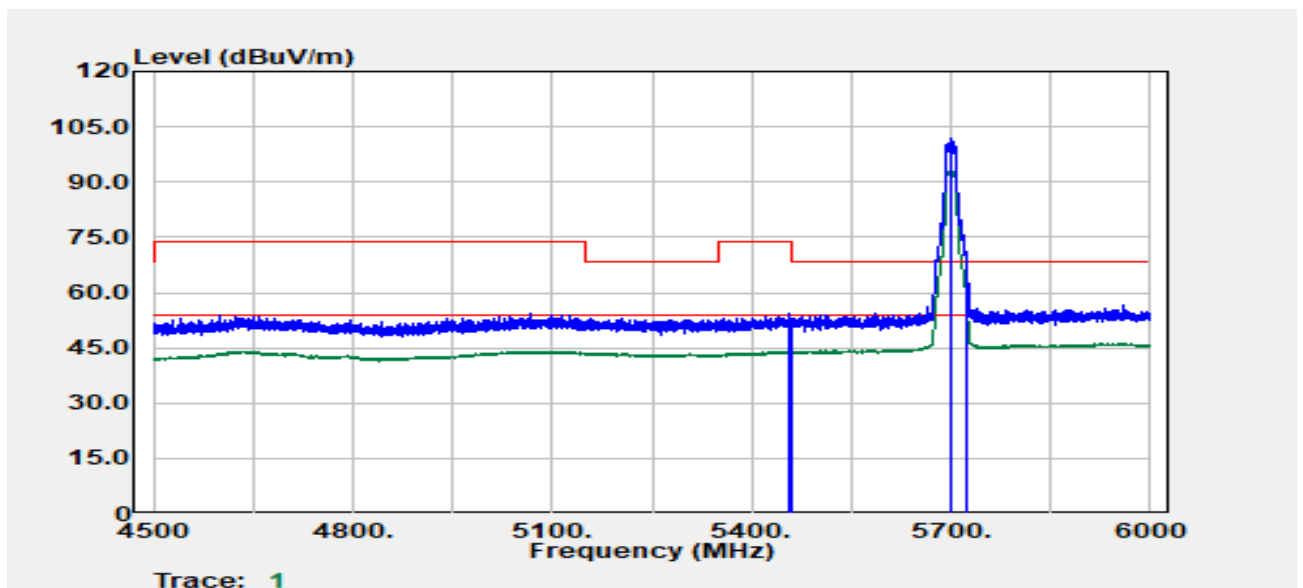
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5443.78	Average	30.83	13.48	44.31	54.00	-9.69
5454.27	Peak	39.90	13.51	53.41	74.00	-20.59
5462.77	Peak	39.86	13.49	53.35	68.20	-14.85
5500.00	Peak	84.59	13.39	97.98	--	--
5500.00	Average	76.20	13.39	89.59	--	--
5934.53	Peak	40.69	15.29	55.98	68.20	-12.22

Project No :TM-2311000354P
 Operation Band :802.11n20/Band3
 Frequency :5700 MHz
 Operation Mode :Bandedge
 EUT Pol :E2

Test Date :2024-03-28
 Temp./Humi. :24.5/57
 Antenna Pol. :VERTICAL
 Engineer :Tony Chao
 Test Chamber : 966A

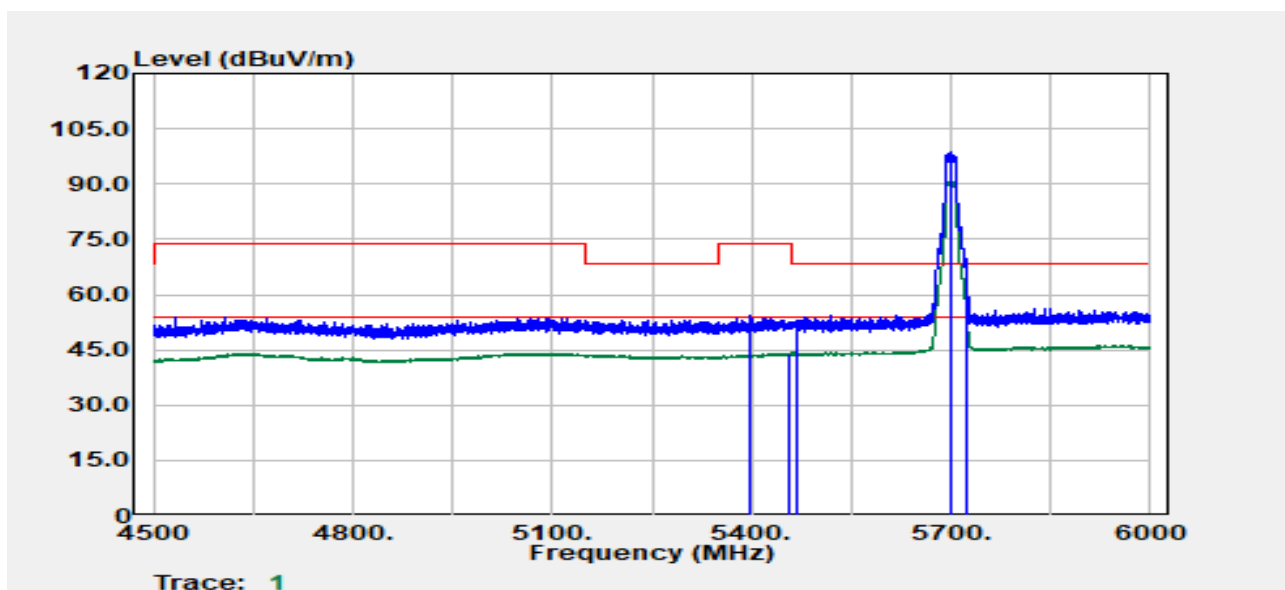


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5455.52	Peak	40.69	13.51	54.20	74.00	-19.80
5458.27	Average	30.70	13.50	44.20	54.00	-9.80
5461.52	Peak	39.68	13.49	53.17	68.20	-15.03
5700.00	Peak	86.96	14.78	101.74	--	--
5700.00	Average	78.47	14.78	93.25	--	--
5725.14	Peak	51.24	14.96	66.20	68.20	-2.00

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band3
Frequency :5700 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

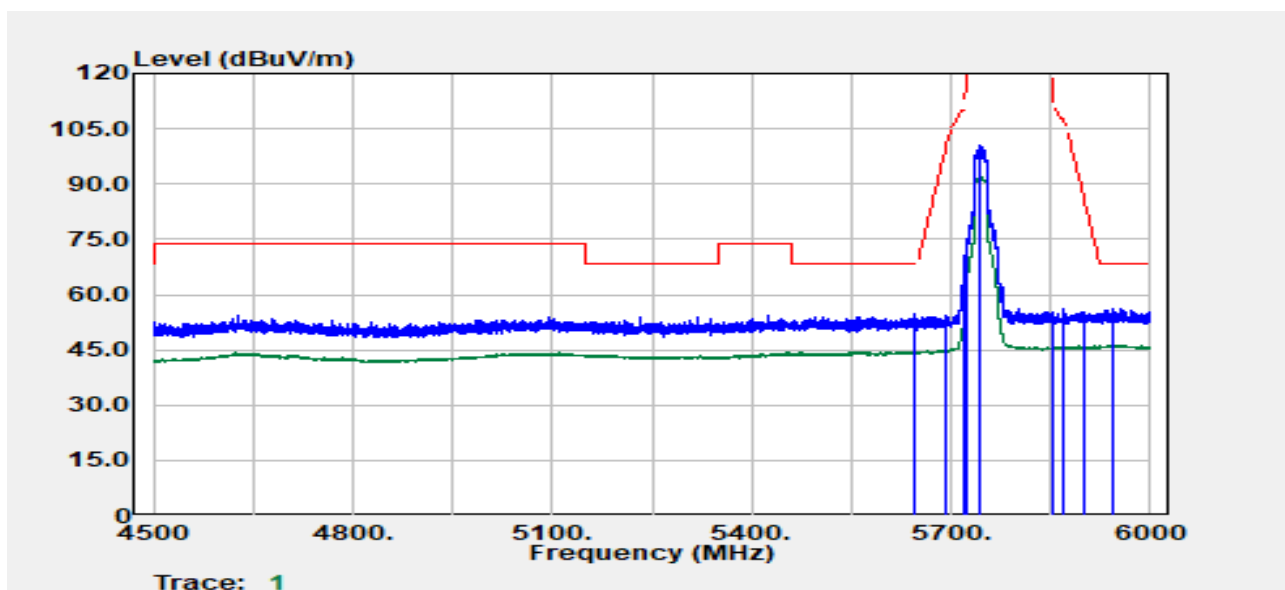


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5396.05	Peak	41.15	13.17	54.32	74.00	-19.68
5455.52	Average	30.51	13.51	44.02	54.00	-9.98
5469.27	Peak	39.51	13.47	52.98	68.20	-15.22
5700.00	Peak	83.84	14.78	98.62	--	--
5700.00	Average	76.01	14.78	90.79	--	--
5725.39	Peak	45.75	14.96	60.71	68.20	-7.49

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band4
Frequency :5745 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

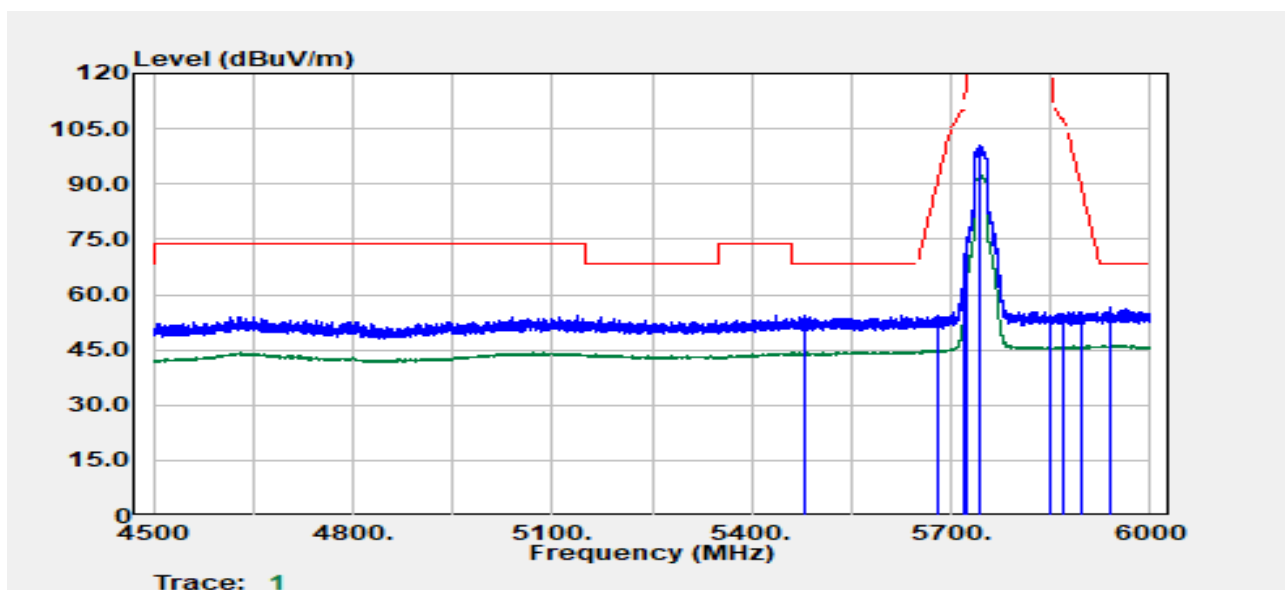


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5646.18	Peak	40.68	14.23	54.90	68.20	-13.30
5691.40	Peak	39.63	14.69	54.32	98.86	-44.54
5719.89	Peak	52.91	14.92	67.83	110.77	-42.94
5724.39	Peak	59.12	14.95	74.07	120.81	-46.73
5745.00	Peak	85.54	15.10	100.64	--	--
5745.00	Average	77.08	15.10	92.17	--	--
5853.32	Peak	40.02	15.12	55.14	114.62	-59.48
5870.07	Peak	40.84	15.12	55.96	106.58	-50.62
5898.55	Peak	39.96	15.12	55.08	87.73	-32.65
5942.53	Peak	40.84	15.33	56.17	68.20	-12.03

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band4
Frequency :5745 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

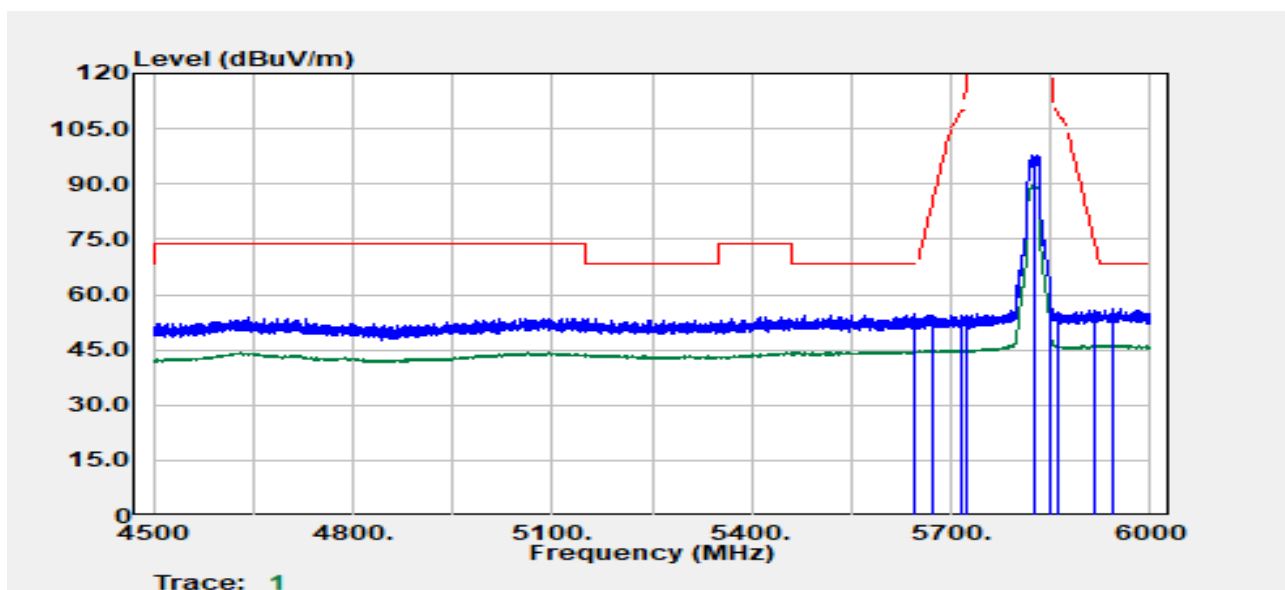


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5479.01	Peak	41.00	13.45	54.45	68.20	-13.75
5679.16	Peak	39.59	14.57	54.16	89.82	-35.66
5719.64	Peak	51.76	14.92	66.68	110.70	-44.02
5724.64	Peak	59.91	14.95	74.87	121.38	-46.51
5745.00	Peak	85.46	15.10	100.55	--	--
5745.00	Average	77.44	15.10	92.53	--	--
5850.08	Peak	39.15	15.13	54.28	122.03	-67.75
5867.82	Peak	39.72	15.12	54.84	107.21	-52.37
5896.80	Peak	40.30	15.12	55.42	89.03	-33.60
5940.53	Peak	41.30	15.32	56.62	68.20	-11.58

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band4
Frequency :5825 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

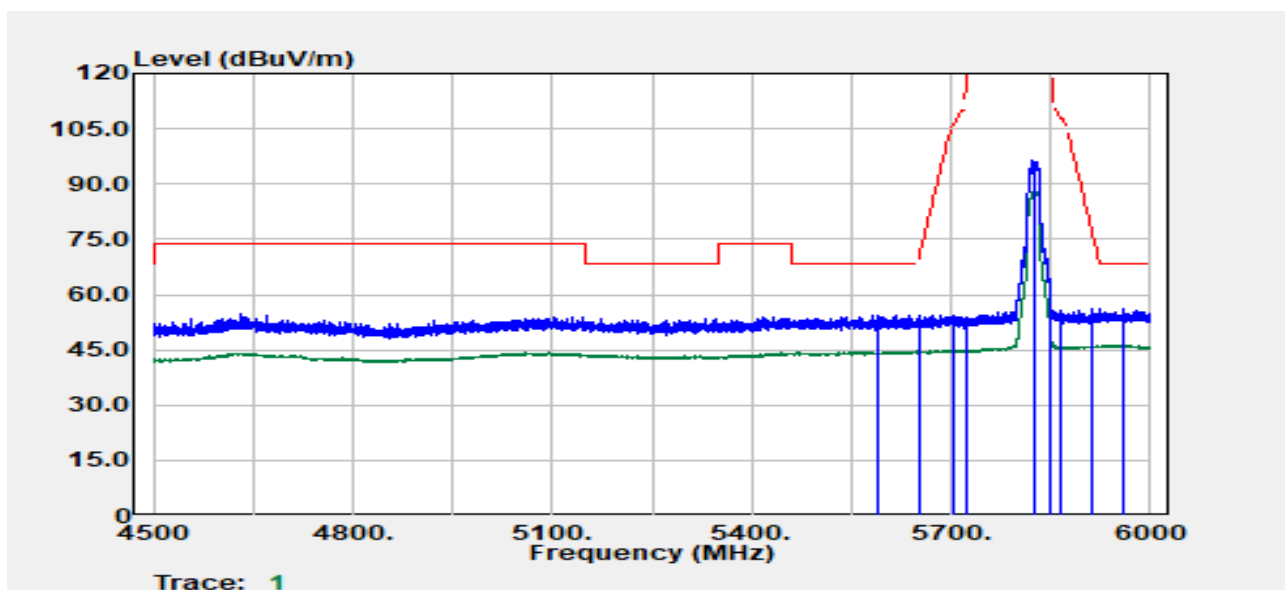


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5645.43	Peak	40.47	14.22	54.69	68.20	-13.51
5673.91	Peak	40.00	14.51	54.51	85.94	-31.43
5715.64	Peak	39.54	14.89	54.43	109.58	-55.15
5722.89	Peak	39.58	14.94	54.52	117.39	-62.86
5825.00	Peak	82.77	15.21	97.99	--	--
5825.00	Average	74.69	15.21	89.90	--	--
5850.08	Peak	45.20	15.13	60.32	122.03	-61.71
5859.57	Peak	39.92	15.12	55.05	109.52	-54.47
5914.79	Peak	40.41	15.19	55.61	75.73	-20.12
5943.53	Peak	40.68	15.33	56.01	68.20	-12.19

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band4
Frequency :5825 MHz
Operation Mode :Bandedge
EUT Pol :E2

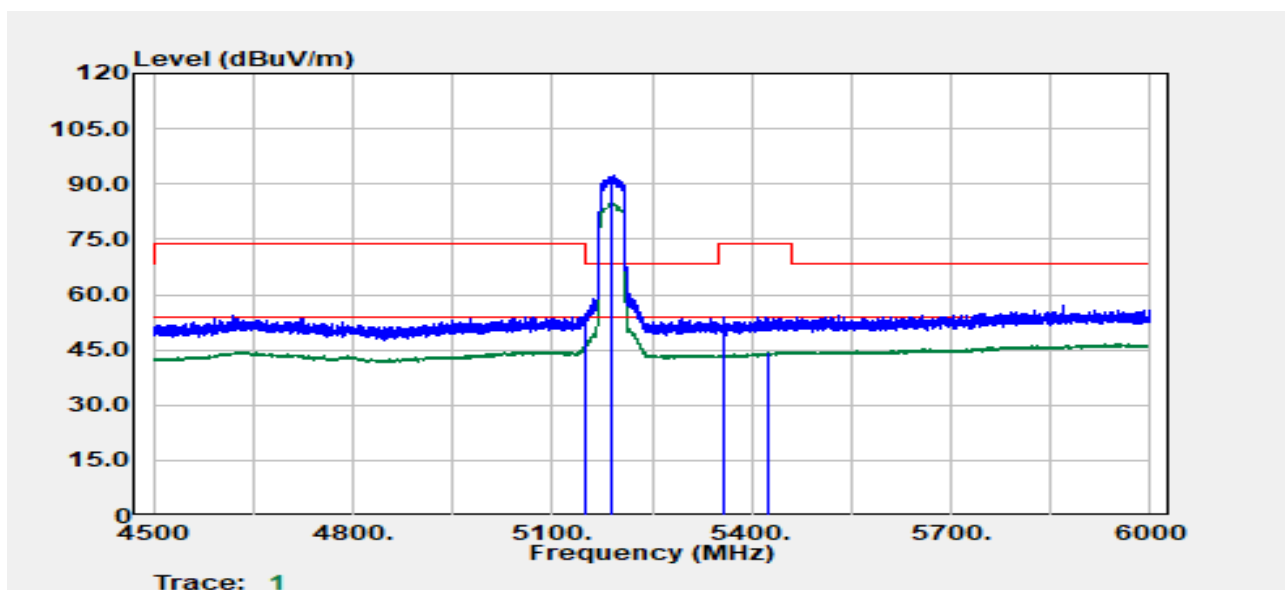
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5590.93	Peak	40.80	13.74	54.54	68.20	-13.66
5653.19	Peak	40.06	14.30	54.36	70.57	-16.21
5704.20	Peak	39.65	14.81	54.46	106.38	-51.91
5721.95	Peak	38.78	14.93	53.72	115.26	-61.54
5825.00	Peak	81.05	15.21	96.26	--	--
5825.00	Average	73.11	15.21	88.32	--	--
5850.23	Peak	42.97	15.12	58.10	121.69	-63.59
5865.23	Peak	40.37	15.12	55.50	107.93	-52.44
5913.49	Peak	41.05	15.19	56.24	76.69	-20.46
5958.99	Peak	40.80	15.35	56.15	68.20	-12.05

Project No :TM-2311000354P
Operation Band :802.11n40/Band1
Frequency :5190 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

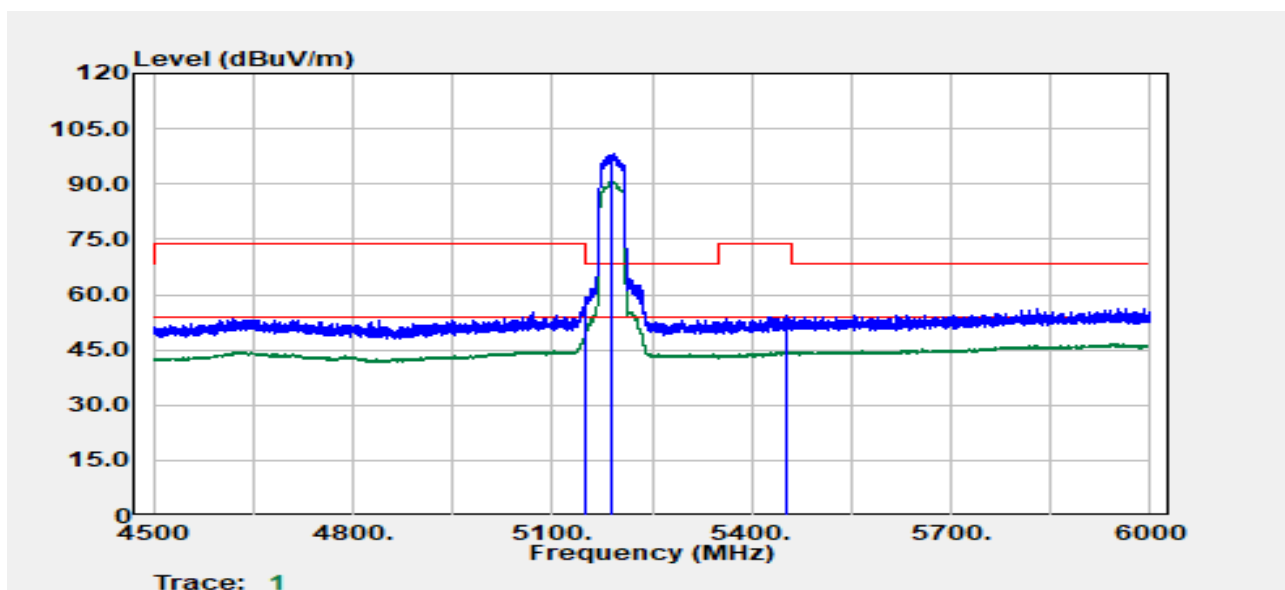


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5149.61	Peak	41.97	12.92	54.89	74.00	-19.11
5149.86	Average	32.97	12.92	45.89	54.00	-8.11
5190.00	Peak	79.55	13.02	92.57	--	--
5190.00	Average	71.68	13.02	84.70	--	--
5358.89	Peak	40.65	13.11	53.76	74.00	-20.24
5425.90	Average	31.01	13.36	44.37	54.00	-9.63

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band1
Frequency :5190 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

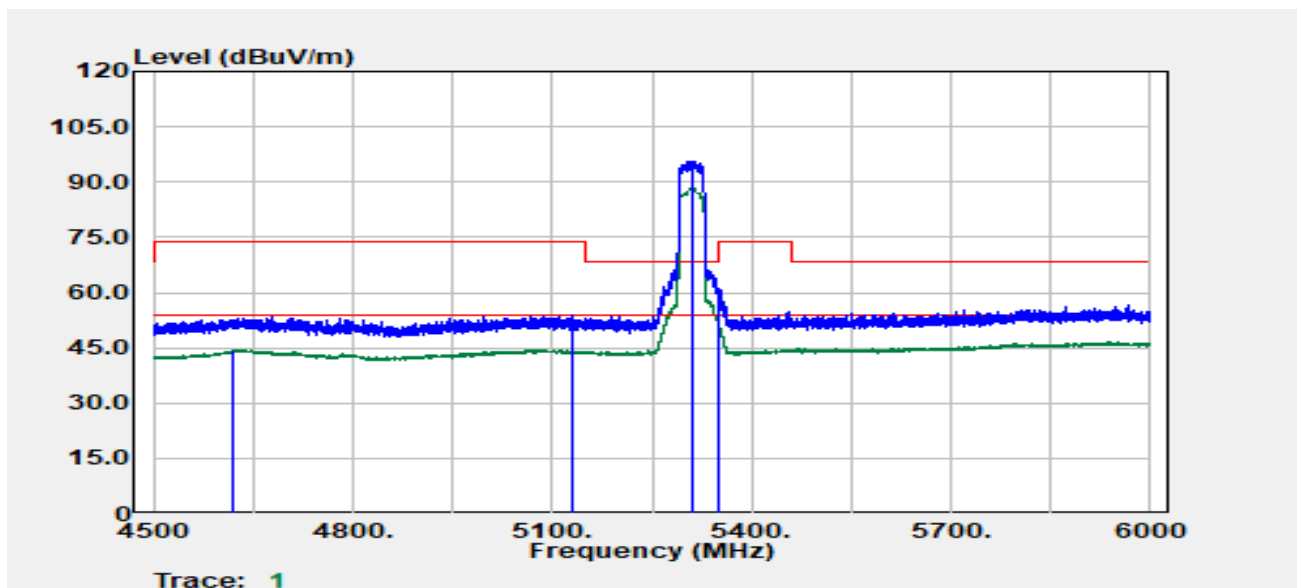


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5148.86	Peak	45.71	12.92	58.63	74.00	-15.37
5150.00	Average	36.67	12.92	49.59	54.00	-4.41
5190.00	Peak	85.13	13.02	98.15	--	--
5190.00	Average	77.65	13.02	90.67	--	--
5451.66	Peak	40.64	13.52	54.16	74.00	-19.84
5451.91	Average	31.08	13.52	44.60	54.00	-9.40

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band2
Frequency :5310 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

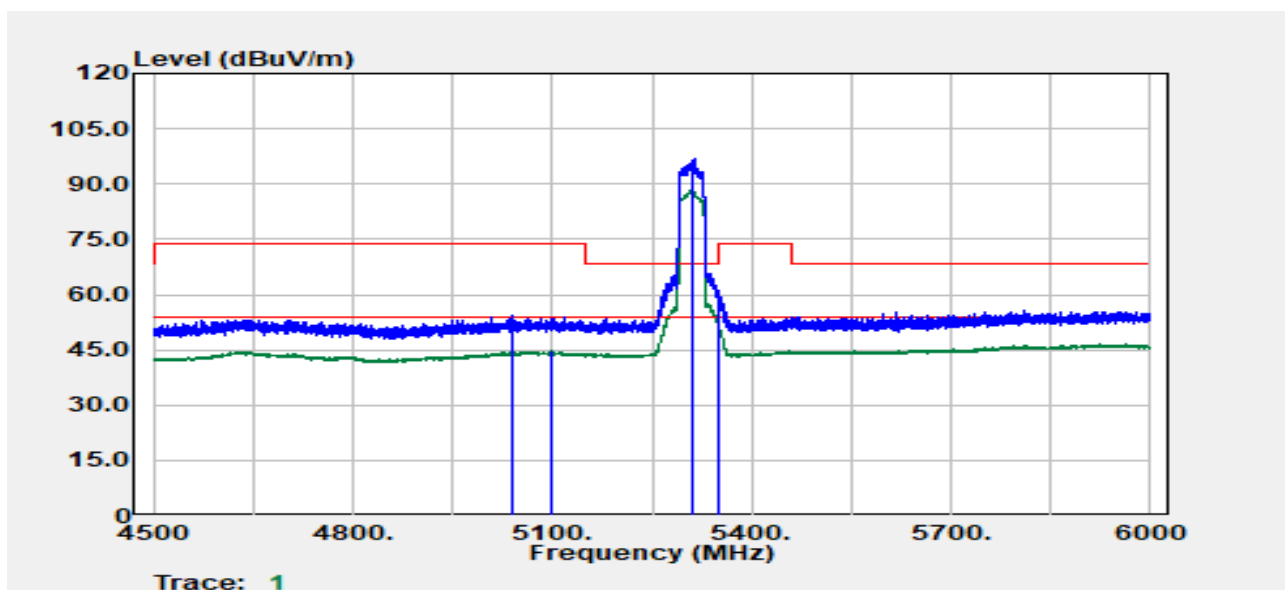


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4620.77	Average	32.59	11.99	44.58	54.00	-9.42
5130.86	Peak	40.75	12.94	53.69	74.00	-20.31
5310.00	Peak	82.40	13.30	95.70	--	--
5310.00	Average	75.18	13.30	88.48	--	--
5350.00	Average	38.10	13.10	51.19	54.00	-2.81
5351.89	Peak	47.85	13.10	60.95	74.00	-13.05

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band2
Frequency :5310 MHz
Operation Mode :Bandedge
EUT Pol :E2

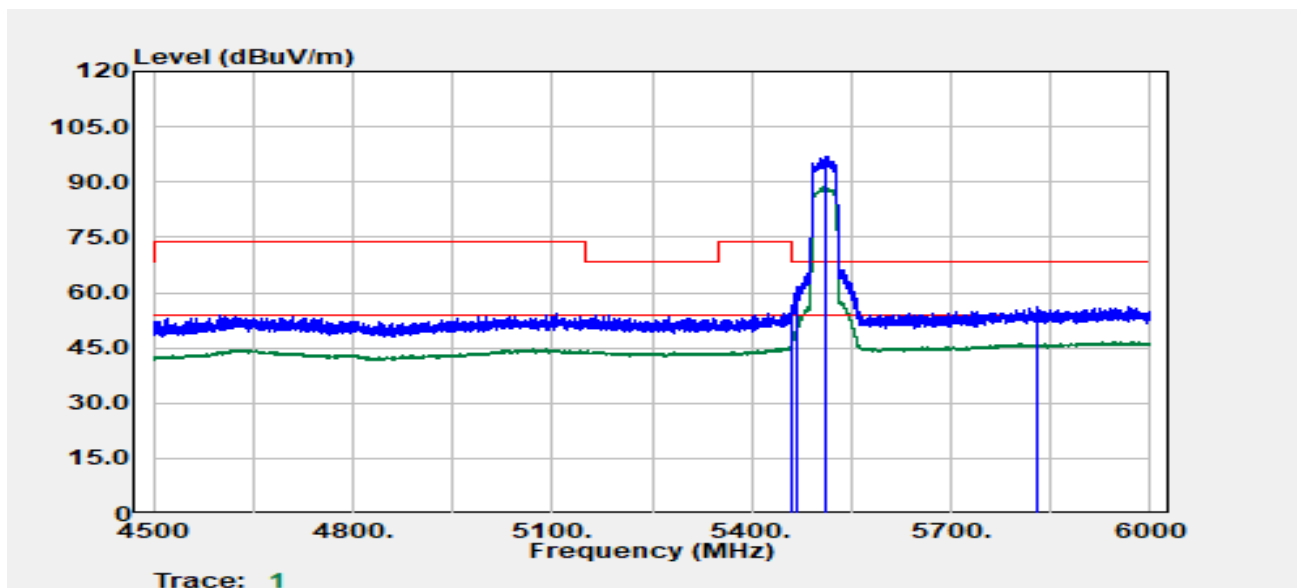
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5039.59	Peak	41.39	12.76	54.15	74.00	-19.85
5099.10	Average	31.78	12.96	44.74	54.00	-9.26
5310.00	Peak	83.39	13.30	96.69	--	--
5310.00	Average	74.83	13.30	88.13	--	--
5350.00	Average	38.71	13.10	51.80	54.00	-2.20
5350.89	Peak	48.01	13.10	61.11	74.00	-12.89

Project No :TM-2311000354P
 Operation Band :802.11n40/Band3
 Frequency :5510 MHz
 Operation Mode :Bandedge
 EUT Pol :E2

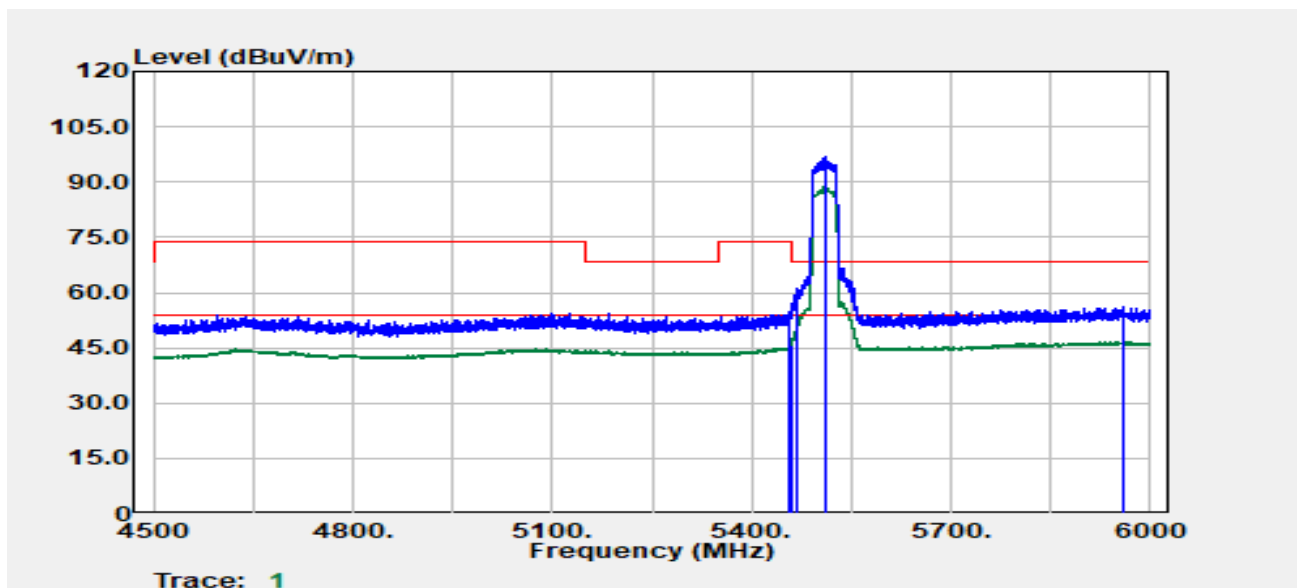
Test Date :2024-03-28
 Temp./Humi. :24.5/57
 Antenna Pol. :VERTICAL
 Engineer :Ray Li
 Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5459.41	Peak	41.50	13.50	55.00	74.00	-19.00
5459.91	Average	32.33	13.50	45.83	54.00	-8.17
5468.66	Peak	48.21	13.47	61.69	68.20	-6.51
5510.00	Peak	83.67	13.43	97.10	--	--
5510.00	Average	75.47	13.43	88.90	--	--
5830.97	Peak	41.17	15.19	56.36	68.20	-11.84

Project No :TM-2311000354P
Operation Band :802.11n40/Band3
Frequency :5510 MHz
Operation Mode :Bandedge
EUT Pol :E2

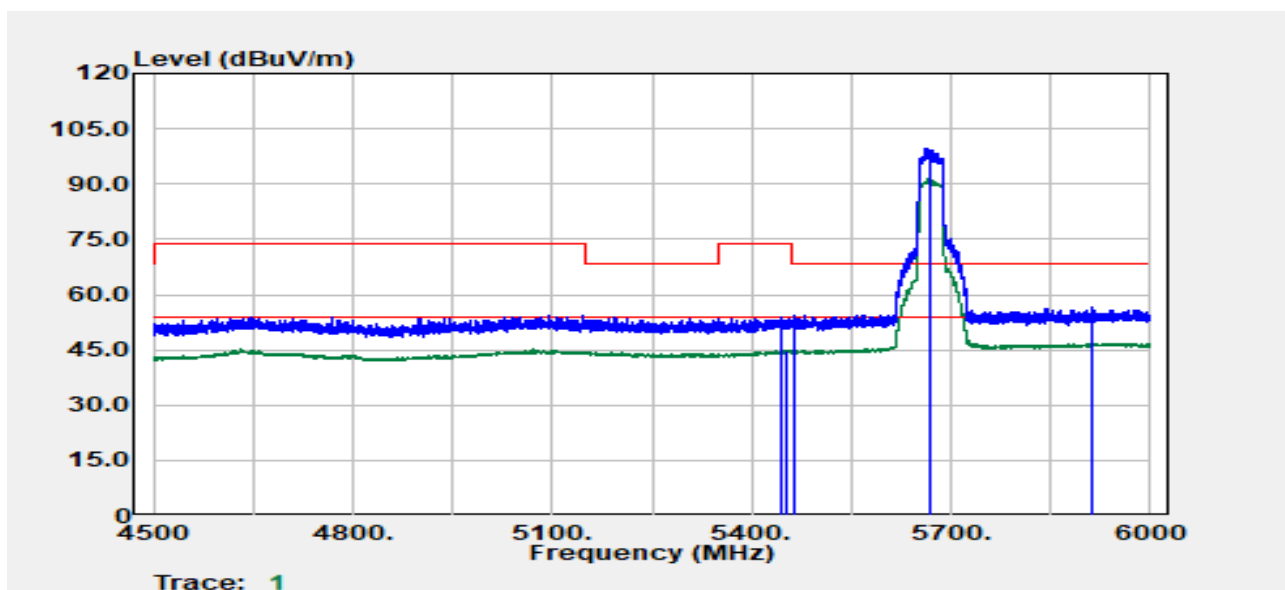
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5457.41	Peak	41.33	13.50	54.84	74.00	-19.16
5459.66	Average	32.42	13.50	45.92	54.00	-8.08
5467.91	Peak	47.61	13.48	61.09	68.20	-7.11
5510.00	Peak	83.54	13.43	96.96	--	--
5510.00	Average	75.20	13.43	88.63	--	--
5958.24	Peak	40.72	15.35	56.07	68.20	-12.13

Project No :TM-2311000354P
Operation Band :802.11n40/Band3
Frequency :5670 MHz
Operation Mode :Bandedge
EUT Pol :E2

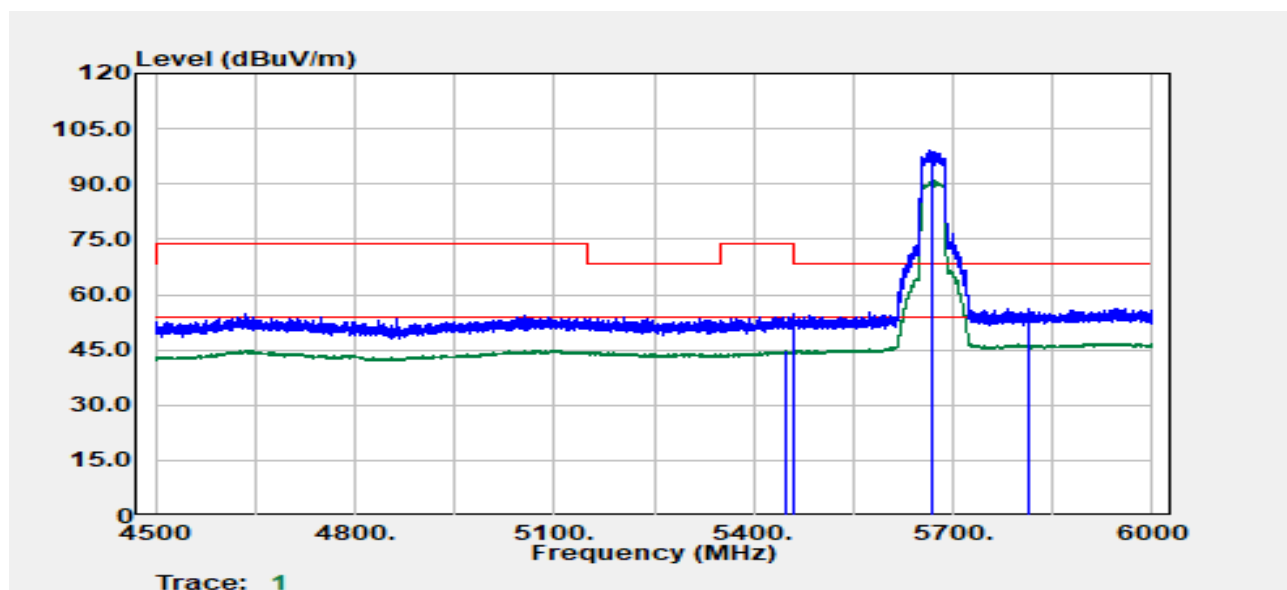
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5446.16	Peak	40.24	13.50	53.74	74.00	-20.26
5453.91	Average	31.28	13.51	44.80	54.00	-9.20
5464.41	Peak	40.77	13.49	54.26	68.20	-13.94
5670.00	Peak	85.37	14.47	99.84	--	--
5670.00	Average	77.12	14.47	91.59	--	--
5913.99	Peak	41.49	15.19	56.68	68.20	-11.52

Project No :TM-2311000354P
Operation Band :802.11n40/Band3
Frequency :5670 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

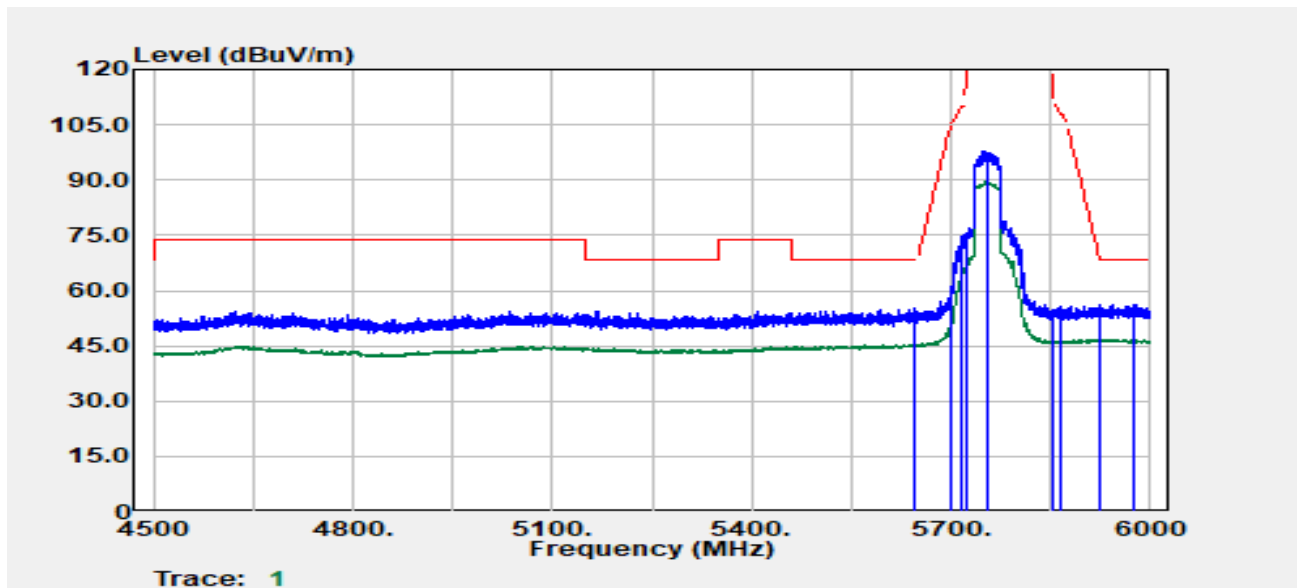


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5450.16	Average	31.13	13.52	44.65	54.00	-9.35
5459.91	Peak	41.24	13.50	54.74	74.00	-19.26
5459.91	Peak	41.24	13.50	54.74	74.00	-19.26
5670.00	Peak	84.54	14.47	99.02	--	--
5670.00	Average	76.48	14.47	90.95	--	--
5813.22	Peak	40.95	15.25	56.20	68.20	-12.00

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band4
Frequency :5755 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

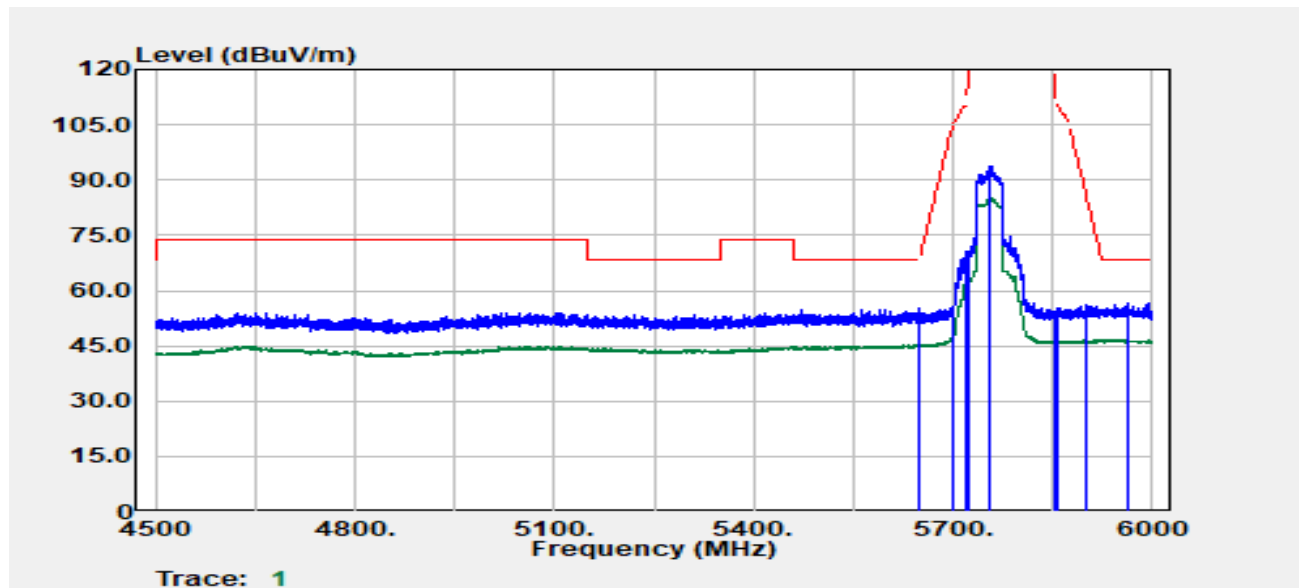


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5644.69	Peak	40.98	14.21	55.19	68.20	-13.01
5698.95	Peak	45.49	14.77	60.25	104.43	-44.17
5715.20	Peak	59.67	14.89	74.55	109.46	-34.90
5722.70	Peak	60.37	14.94	75.31	116.97	-41.65
5755.00	Peak	82.84	15.15	97.99	--	--
5755.00	Average	74.42	15.15	89.56	--	--
5853.98	Peak	39.55	15.12	54.67	113.13	-58.46
5864.73	Peak	40.77	15.12	55.90	108.07	-52.18
5924.24	Peak	41.05	15.24	56.29	68.76	-12.47
5974.75	Peak	40.87	15.32	56.19	68.20	-12.01

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band4
Frequency :5755 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

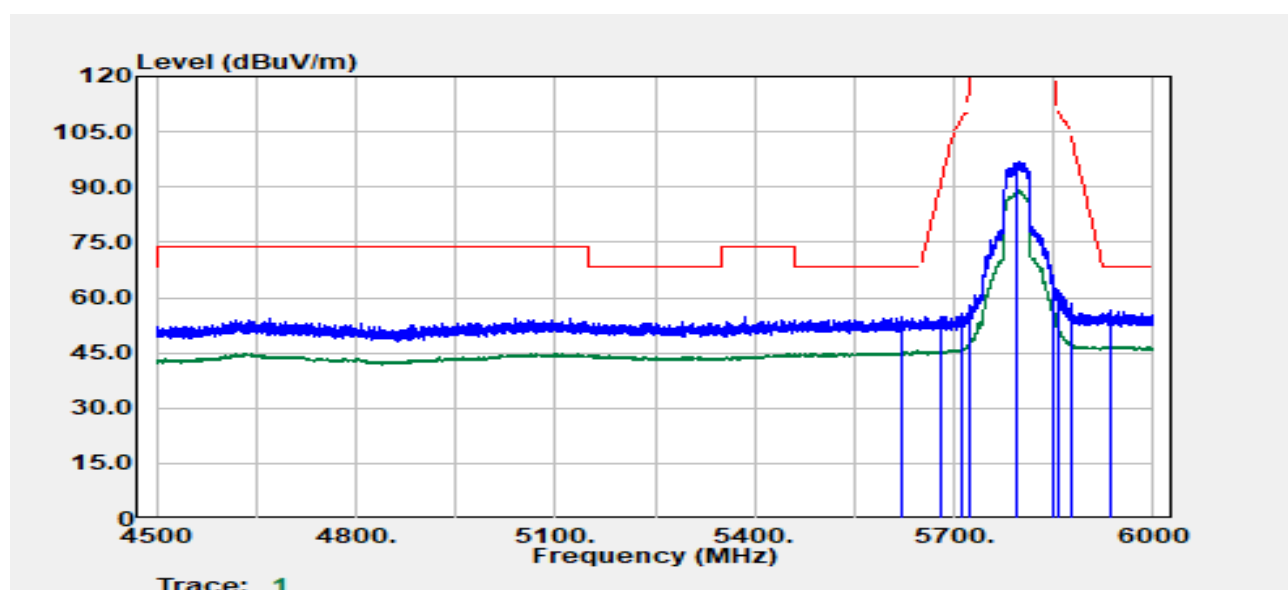


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5648.19	Peak	41.04	14.25	55.29	68.20	-12.91
5699.70	Peak	40.83	14.78	55.61	104.98	-49.37
5717.70	Peak	54.03	14.90	68.94	110.16	-41.22
5724.70	Peak	55.54	14.95	70.49	121.53	-51.03
5755.00	Peak	78.78	15.15	93.93	--	--
5755.00	Average	69.95	15.15	85.10	--	--
5852.98	Peak	39.27	15.12	54.40	115.41	-61.02
5858.73	Peak	40.28	15.12	55.40	109.76	-54.35
5900.48	Peak	40.81	15.12	55.93	86.30	-30.37
5963.49	Peak	41.39	15.34	56.73	68.20	-11.47

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band4
Frequency :5795 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

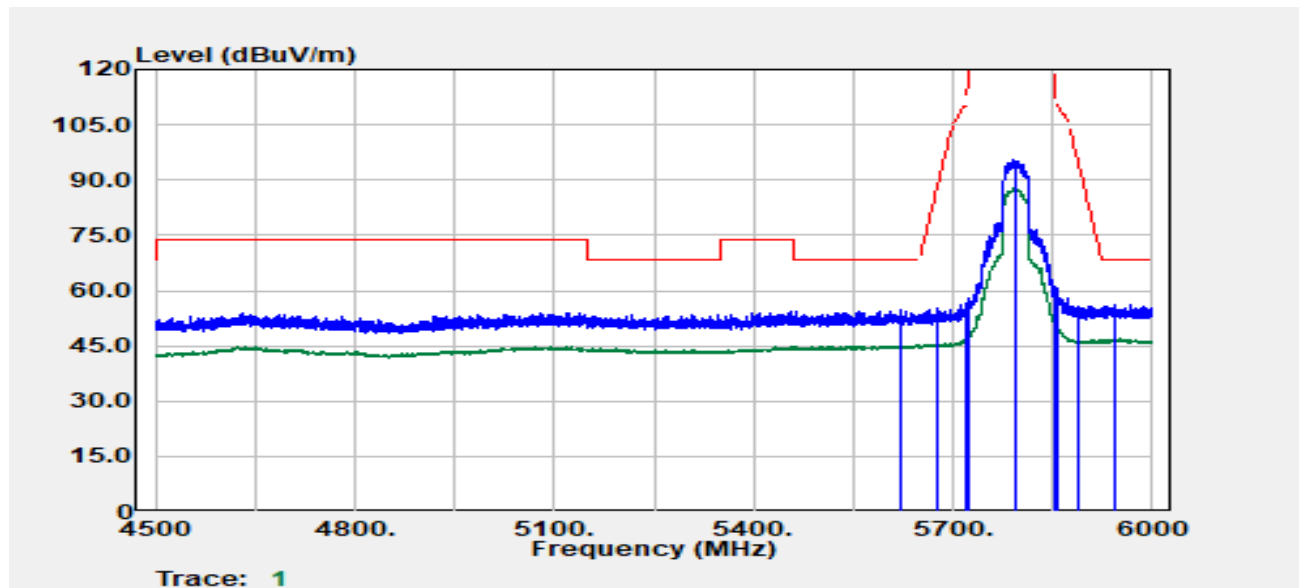


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5619.94	Peak	40.87	13.97	54.84	68.20	-13.36
5678.70	Peak	40.42	14.56	54.98	89.47	-34.49
5712.20	Peak	40.79	14.87	55.65	108.62	-52.96
5722.95	Peak	41.53	14.94	56.47	117.54	-61.07
5795.00	Peak	81.58	15.28	96.86	--	--
5795.00	Average	73.72	15.28	89.00	--	--
5850.98	Peak	48.19	15.12	63.32	119.98	-56.66
5855.98	Peak	46.85	15.12	61.98	110.53	-48.55
5876.23	Peak	43.17	15.12	58.29	104.29	-46.00
5935.49	Peak	41.18	15.29	56.47	68.20	-11.73

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band4
Frequency :5795 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

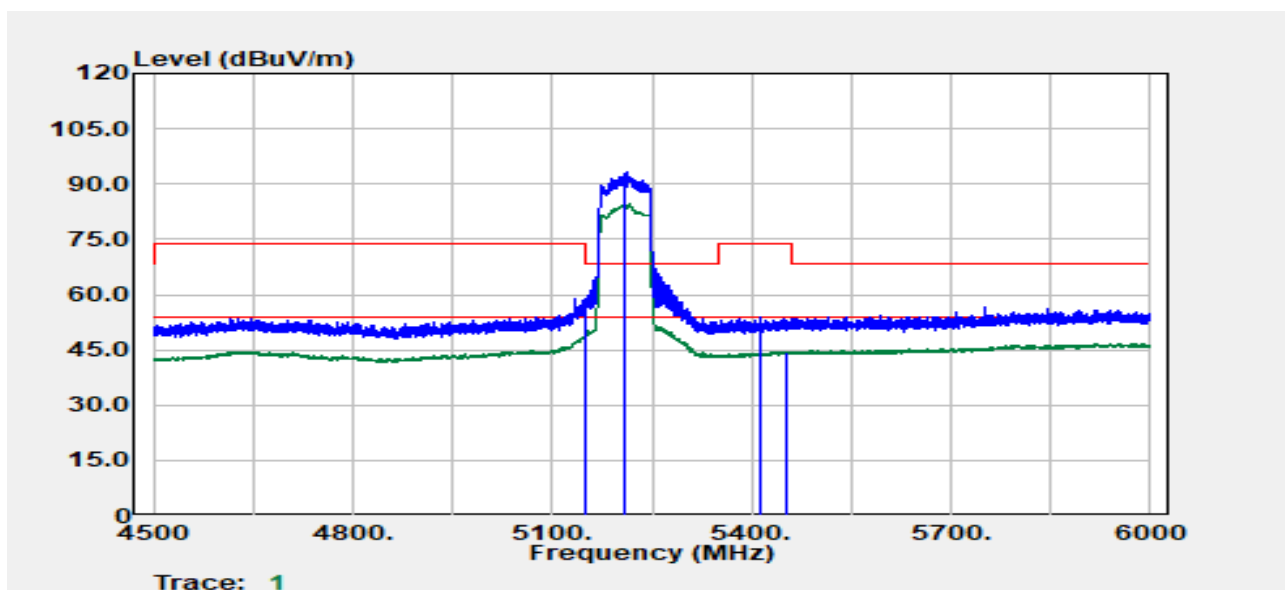


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5621.19	Peak	40.81	13.99	54.80	68.20	-13.40
5677.45	Peak	40.49	14.55	55.04	88.55	-33.51
5718.20	Peak	41.74	14.91	56.65	110.30	-53.65
5722.70	Peak	42.94	14.94	57.88	116.97	-59.09
5795.00	Peak	80.08	15.28	95.36	--	--
5795.00	Average	72.59	15.28	87.88	--	--
5851.73	Peak	45.89	15.12	61.02	118.27	-57.25
5856.48	Peak	45.39	15.12	60.52	110.39	-49.87
5887.73	Peak	40.58	15.12	55.71	95.75	-40.04
5944.49	Peak	40.89	15.34	56.23	68.20	-11.97

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band1
Frequency :5210 MHz
Operation Mode :Bandedge
EUT Pol :E2

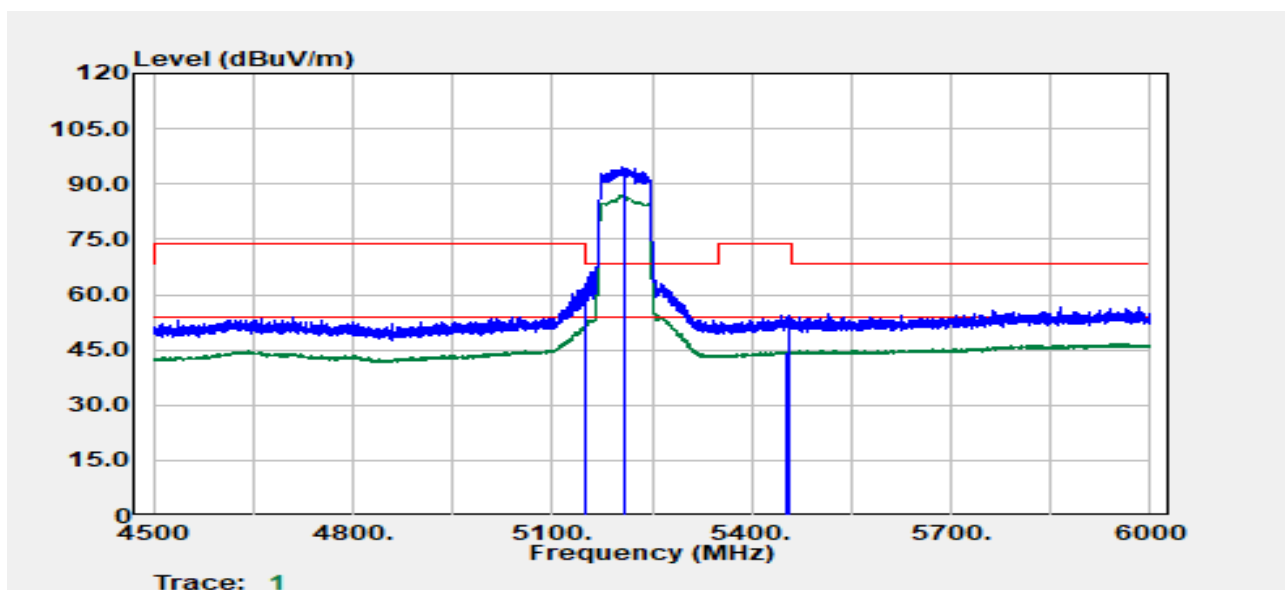
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5148.61	Peak	45.86	12.92	58.78	74.00	-15.22
5149.86	Average	35.88	12.92	48.80	54.00	-5.20
5210.00	Peak	80.12	13.06	93.18	--	--
5210.00	Average	71.41	13.06	84.46	--	--
5413.65	Peak	40.60	13.27	53.87	74.00	-20.13
5453.16	Average	31.00	13.52	44.52	54.00	-9.48

Project No :TM-2311000354P
Operation Band :802.11ac80/Band1
Frequency :5210 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A

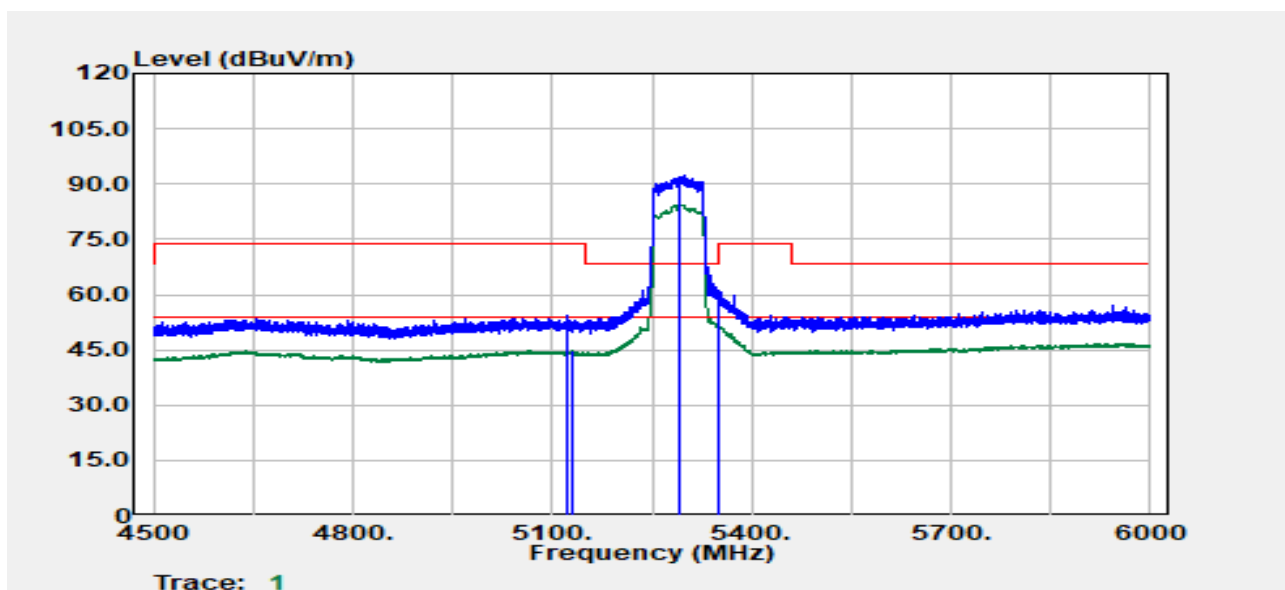


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5149.11	Average	38.49	12.92	51.41	54.00	-2.59
5149.36	Peak	50.01	12.92	62.93	74.00	-11.07
5210.00	Peak	81.49	13.06	94.54	--	--
5210.00	Average	74.06	13.06	87.11	--	--
5452.16	Average	30.99	13.52	44.51	54.00	-9.49
5458.16	Peak	40.71	13.50	54.21	74.00	-19.79

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band2
Frequency :5290 MHz
Operation Mode :Bandedge
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A

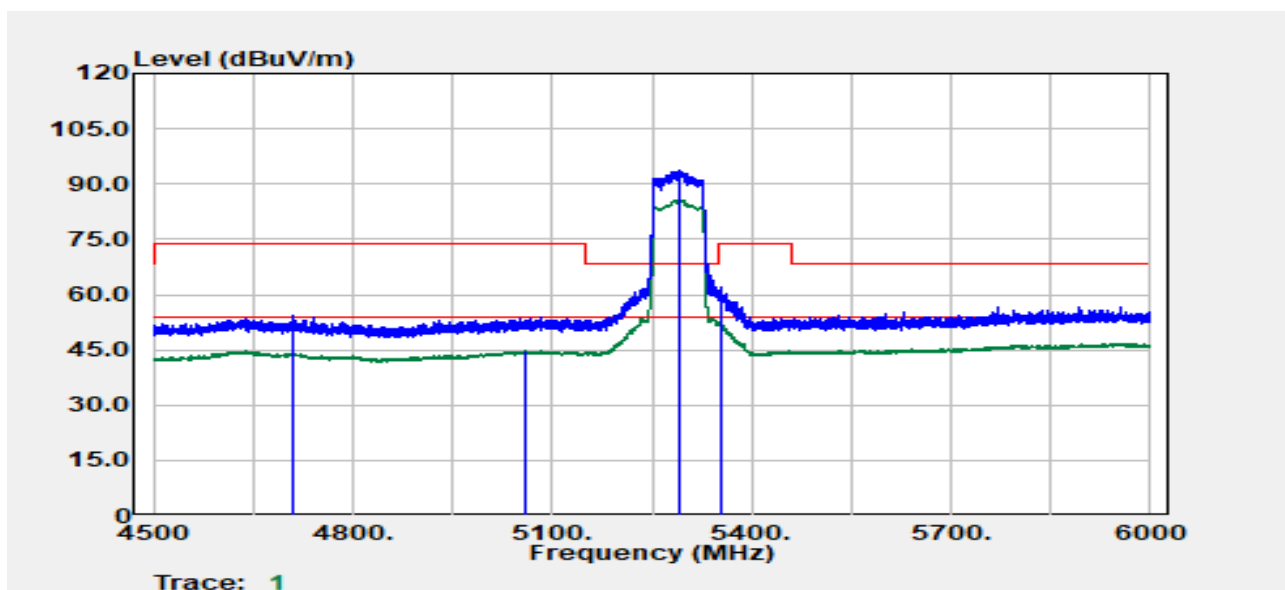


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5120.44	Peak	41.21	12.94	54.15	74.00	-19.85
5130.94	Average	31.76	12.94	44.69	54.00	-9.31
5290.00	Peak	78.94	13.30	92.24	--	--
5290.00	Average	71.04	13.30	84.35	--	--
5350.08	Average	38.16	13.10	51.25	54.00	-2.75
5351.57	Peak	47.70	13.10	60.80	74.00	-13.20

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band2
Frequency :5290 MHz
Operation Mode :Bandedge
EUT Pol :E2

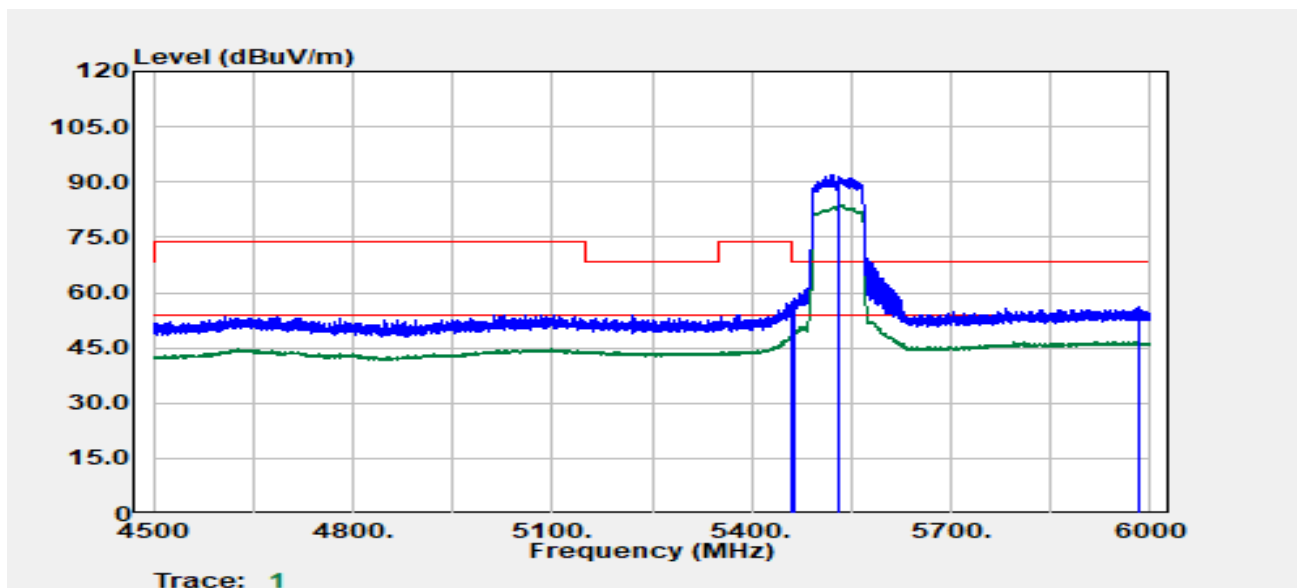
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4709.65	Peak	42.65	11.56	54.21	74.00	-19.79
5059.72	Average	31.84	12.86	44.70	54.00	-9.30
5290.00	Peak	80.38	13.30	93.68	--	--
5290.00	Average	72.44	13.30	85.74	--	--
5354.32	Average	39.76	13.10	52.86	54.00	-1.14
5355.57	Peak	49.06	13.10	62.16	74.00	-11.84

Project No :TM-2311000354P
Operation Band :802.11ac80/Band3
Frequency :5530 MHz
Operation Mode :Bandedge
EUT Pol :E2

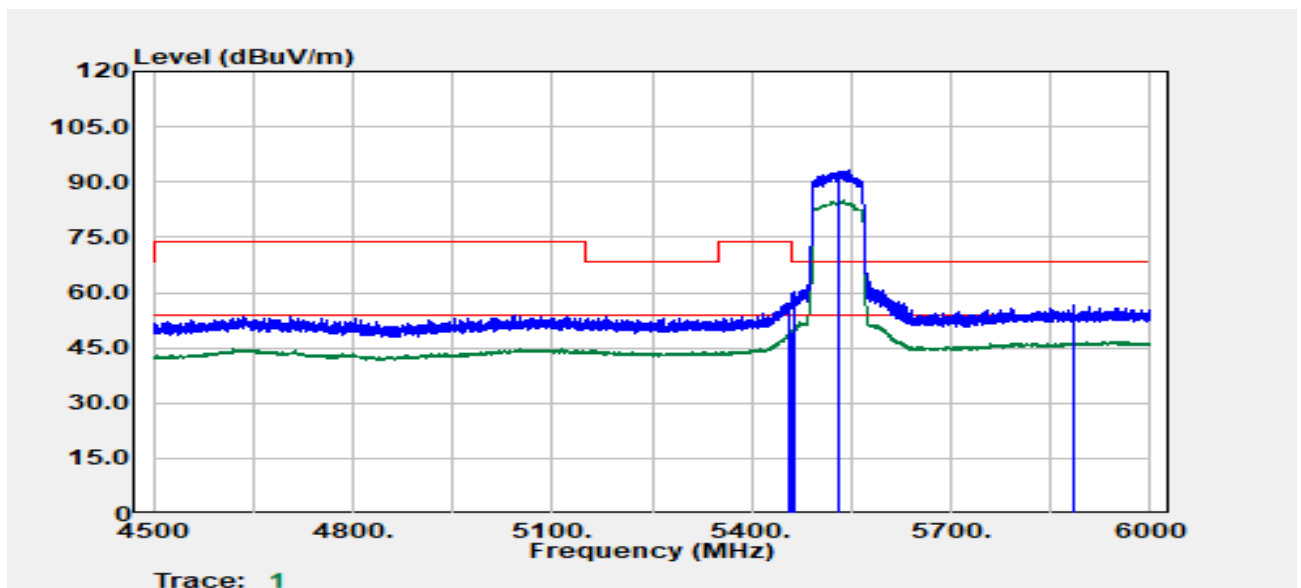
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5459.41	Average	34.48	13.50	47.98	54.00	-6.02
5459.66	Peak	43.80	13.50	57.30	74.00	-16.70
5465.41	Peak	44.72	13.48	58.20	68.20	-10.00
5530.00	Peak	78.29	13.50	91.78	--	--
5530.00	Average	70.29	13.50	83.79	--	--
5983.75	Peak	40.62	15.31	55.93	68.20	-12.27

Project No :TM-2311000354P
Operation Band :802.11ac80/Band3
Frequency :5530 MHz
Operation Mode :Bandedge
EUT Pol :E2

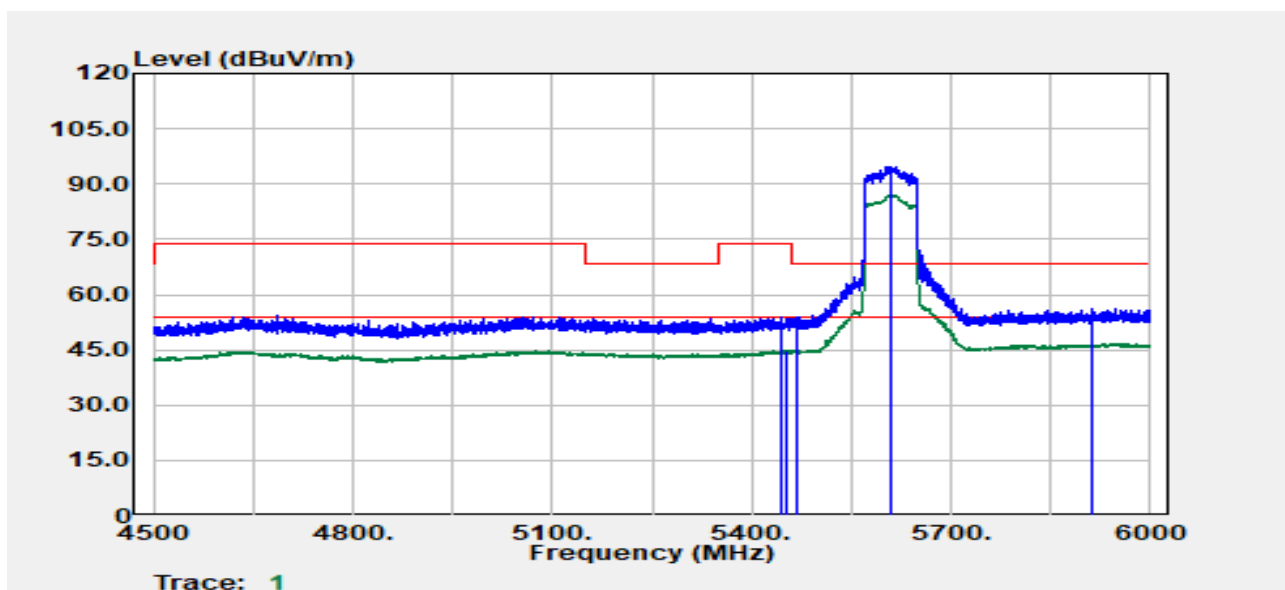
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5455.41	Peak	43.75	13.51	57.26	74.00	-16.74
5459.41	Average	35.83	13.50	49.32	54.00	-4.68
5462.41	Peak	46.69	13.49	60.18	68.20	-8.02
5530.00	Peak	79.60	13.50	93.10	--	--
5530.00	Average	71.45	13.50	84.95	--	--
5885.98	Peak	41.50	15.12	56.62	68.20	-11.58

Project No :TM-2311000354P
Operation Band :802.11ac80/Band3
Frequency :5610 MHz
Operation Mode :Bandedge
EUT Pol :E2

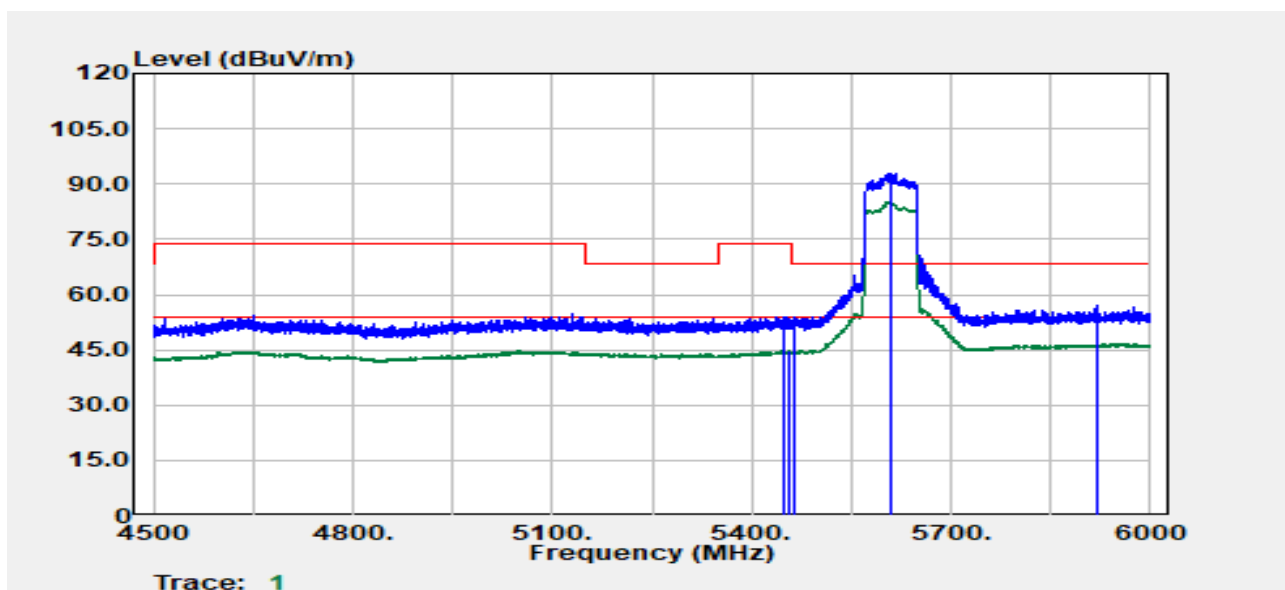
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :VERTICAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5442.91	Peak	40.42	13.48	53.89	74.00	-20.11
5451.16	Average	31.42	13.52	44.94	54.00	-9.06
5466.66	Peak	40.21	13.48	53.69	68.20	-14.51
5610.00	Peak	80.96	13.88	94.84	--	--
5610.00	Average	73.05	13.88	86.92	--	--
5912.74	Peak	41.08	15.18	56.26	68.20	-11.94

Project No :TM-2311000354P
Operation Band :802.11ac80/Band3
Frequency :5610 MHz
Operation Mode :Bandedge
EUT Pol :E2

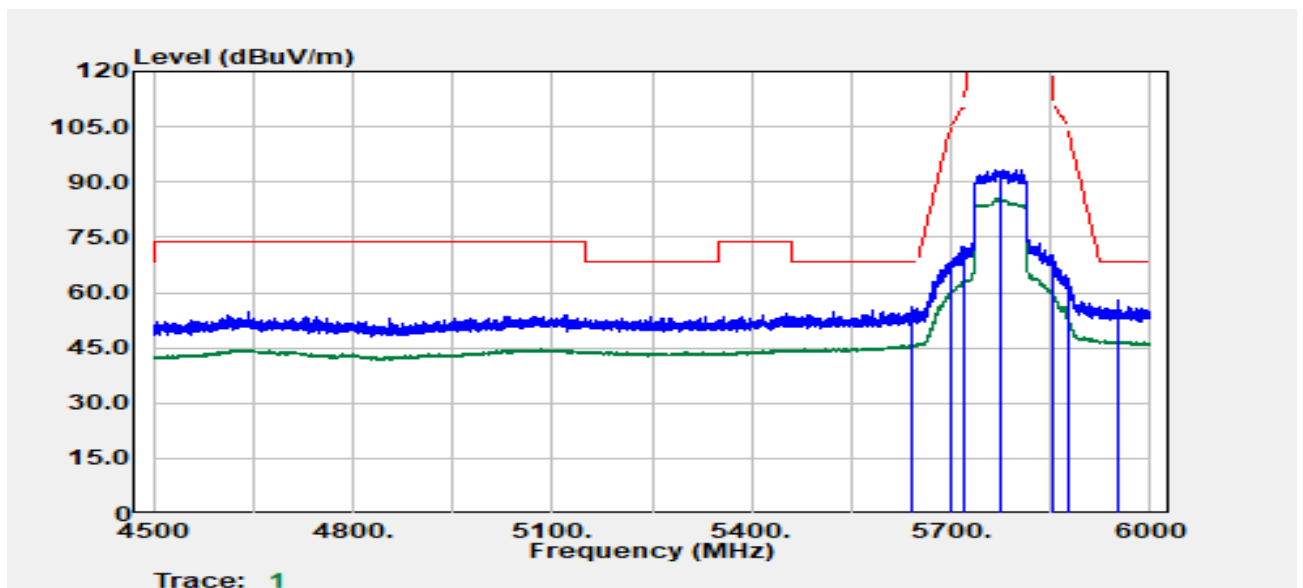
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5446.66	Peak	40.57	13.50	54.07	74.00	-19.93
5454.91	Average	31.28	13.51	44.79	54.00	-9.21
5464.41	Peak	40.22	13.49	53.70	68.20	-14.50
5610.00	Peak	78.93	13.88	92.81	--	--
5610.00	Average	71.18	13.88	85.06	--	--
5921.74	Peak	41.65	15.23	56.87	68.20	-11.33

Project No :TM-2311000354P
 Operation Band :802.11ac80/Band4
 Frequency :5775 MHz
 Operation Mode :Bandedge
 EUT Pol :E2

Test Date :2024-03-28
 Temp./Humi. :24.5/57
 Antenna Pol. :VERTICAL
 Engineer :Ray Li
 Test Chamber : 966A

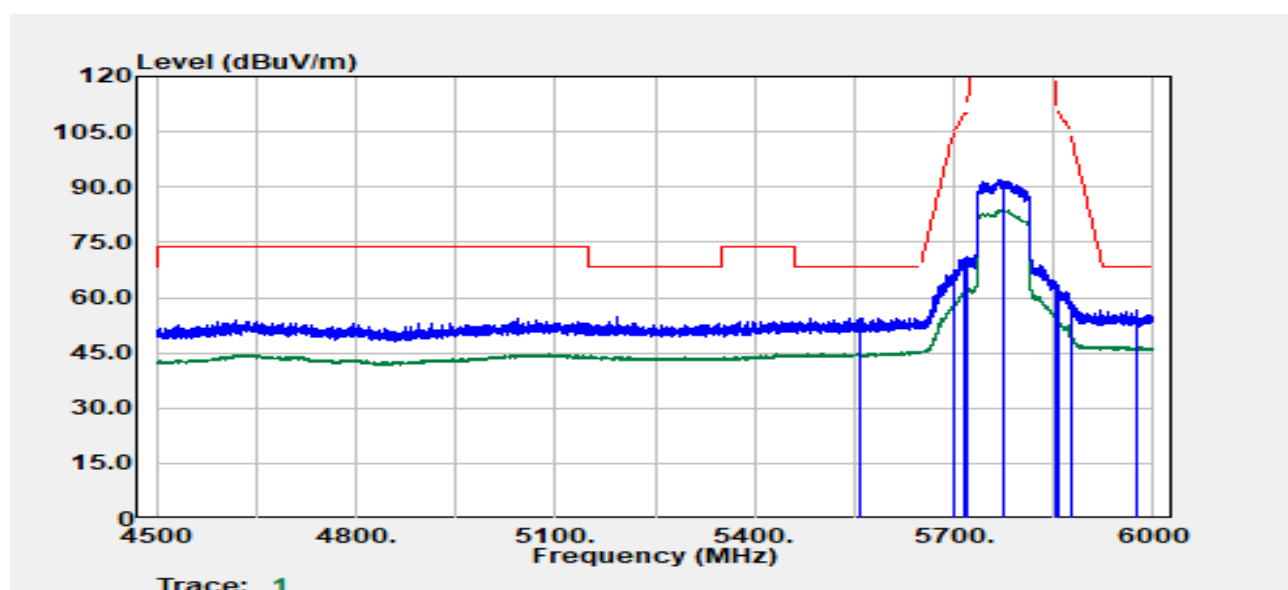


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5640.44	Peak	41.82	14.17	55.99	68.20	-12.21
5699.70	Peak	53.48	14.78	68.26	104.98	-36.72
5718.45	Peak	57.42	14.91	72.33	110.37	-38.04
5720.45	Peak	57.14	14.92	72.06	111.84	-39.78
5775.00	Peak	78.20	15.22	93.41	--	--
5775.00	Average	70.25	15.22	85.47	--	--
5851.48	Peak	55.07	15.12	70.19	118.84	-48.64
5855.00	Peak	55.02	15.12	70.14	110.80	-40.66
5875.23	Peak	48.89	15.12	64.01	105.03	-41.02
5950.99	Peak	42.44	15.36	57.80	68.20	-10.40

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band4
Frequency :5775 MHz
Operation Mode :Bandedge
EUT Pol :E2

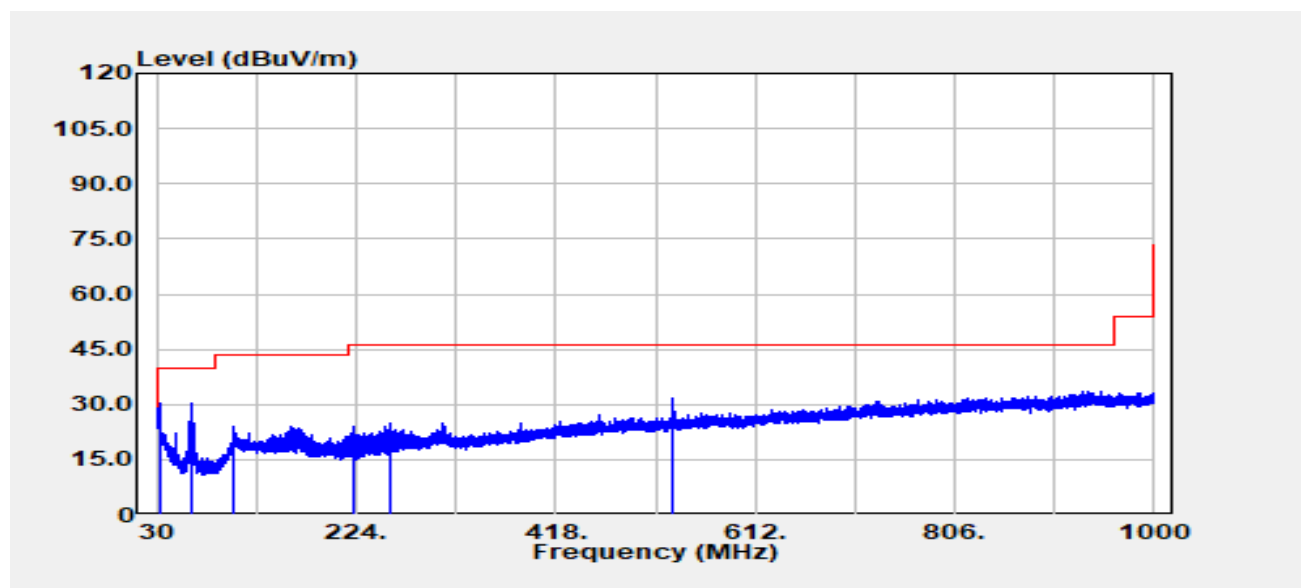
Test Date :2024-03-28
Temp./Humi. :24.5/57
Antenna Pol. :HORIZONTAL
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5557.93	Peak	40.92	13.60	54.52	68.20	-13.68
5699.95	Peak	52.29	14.78	67.07	105.16	-38.09
5716.95	Peak	55.81	14.90	70.71	109.95	-39.24
5720.45	Peak	55.98	14.92	70.91	111.84	-40.93
5775.00	Peak	76.81	15.22	92.02	--	--
5775.00	Average	68.65	15.22	83.86	--	--
5851.48	Peak	49.28	15.12	64.40	118.84	-54.43
5855.48	Peak	48.39	15.12	63.51	110.67	-47.15
5875.00	Peak	43.10	15.12	58.22	105.20	-46.98
5975.50	Peak	41.12	15.32	56.44	68.20	-11.76

TX Test Data

Project No	:TM-2311000354P	Test Date	:2024-04-02
Operation Band	:802.11ac80/Band1	Temp./Humi.	:24.4/58
Frequency	:5210 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:E2	Test Chamber	: 966A

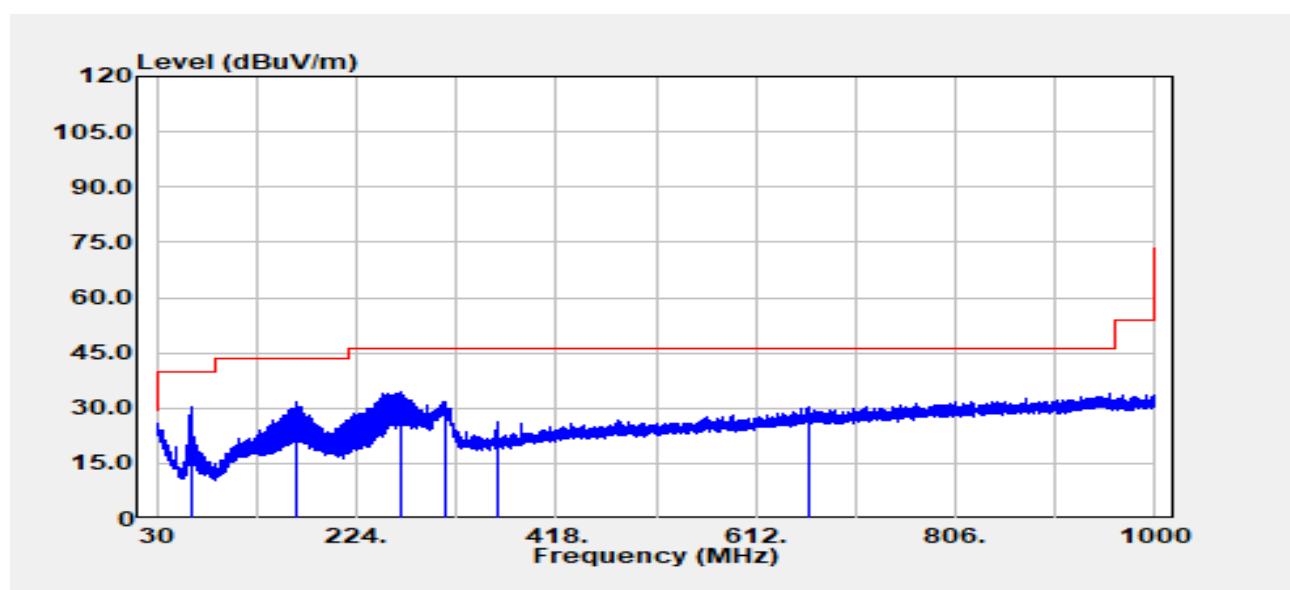


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
32.20	Peak	33.92	-3.74	30.18	40.00	-9.82
63.60	Peak	45.76	-15.45	30.31	40.00	-9.69
104.00	Peak	35.24	-11.40	23.84	43.50	-19.66
221.30	Peak	35.80	-11.67	24.13	46.00	-21.87
256.70	Peak	35.33	-10.48	24.84	46.00	-21.16
532.60	Peak	34.87	-2.95	31.92	46.00	-14.08

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band1
Frequency :5210 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-02
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

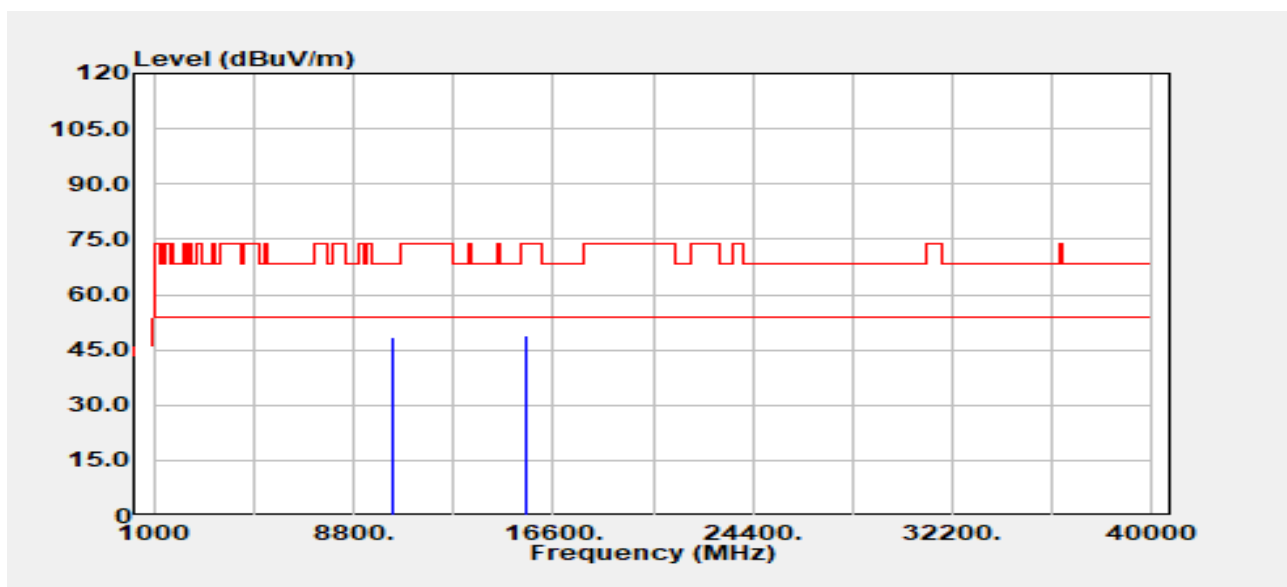


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
63.60	Peak	45.69	-15.45	30.24	40.00	-9.76
165.90	Peak	42.48	-10.82	31.66	43.50	-11.84
266.10	Peak	43.81	-9.33	34.48	46.00	-11.52
309.40	Peak	40.25	-8.35	31.89	46.00	-14.11
360.00	Peak	33.33	-7.09	26.24	46.00	-19.76
664.80	Peak	30.78	-0.64	30.14	46.00	-15.86

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band1
Frequency :5180 MHz
Operation Mode :TX
EUT Pol :E2

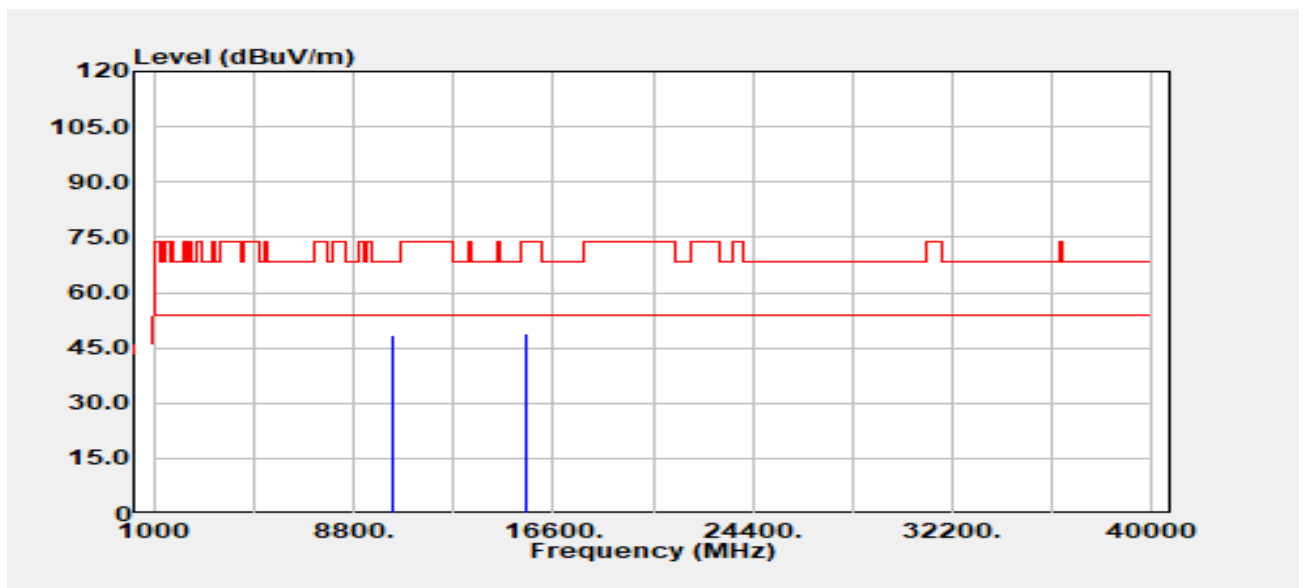
Test Date :2024-03-28
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



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	35.44	12.85	48.28	68.20	-19.92
15540.00	Peak	34.11	14.87	48.98	74.00	-25.02
15540.00	Average	26.00	14.87	40.87	54.00	-13.13

Project No :TM-2311000354P
Operation Band :802.11a/Band1
Frequency :5180 MHz
Operation Mode :TX
EUT Pol :E2

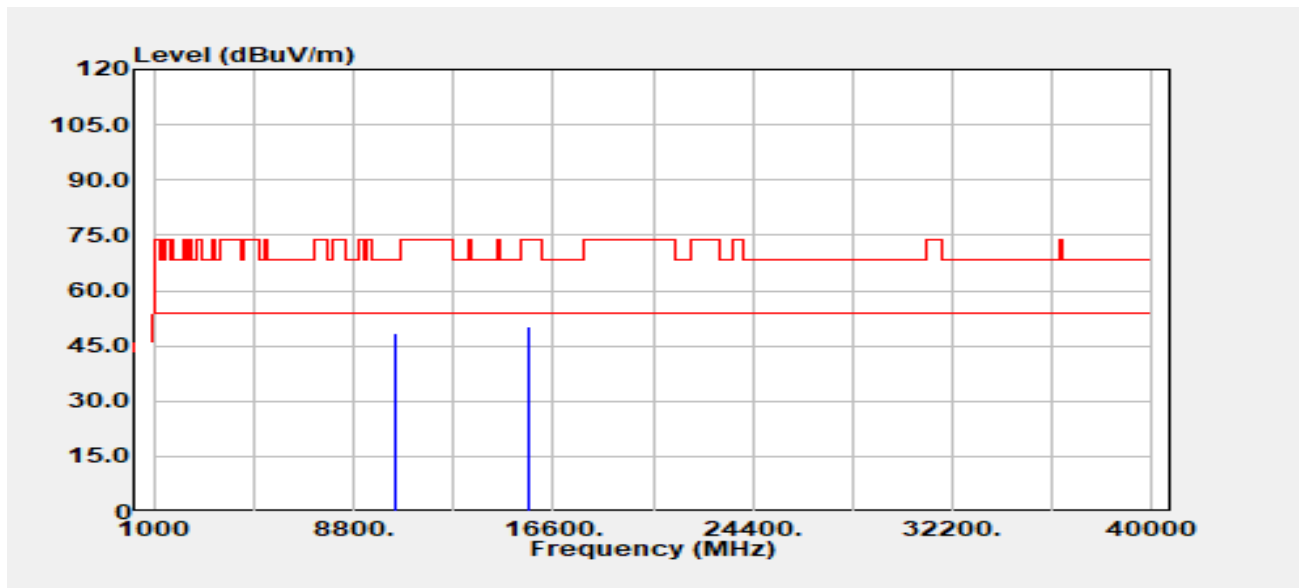
Test Date :2024-03-28
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



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	35.56	12.85	48.40	68.20	-19.80
15540.00	Peak	33.93	14.87	48.80	74.00	-25.20
15540.00	Average	26.01	14.87	40.89	54.00	-13.11

Project No :TM-2311000354P
 Operation Band :802.11a/Band1
 Frequency :5220 MHz
 Operation Mode :TX
 EUT Pol :E2

Test Date :2024-03-28
 Temp./Humi. :24.6/61
 Antenna Pol. :Vertical
 Engineer :Ray Li
 Test Chamber : 966A

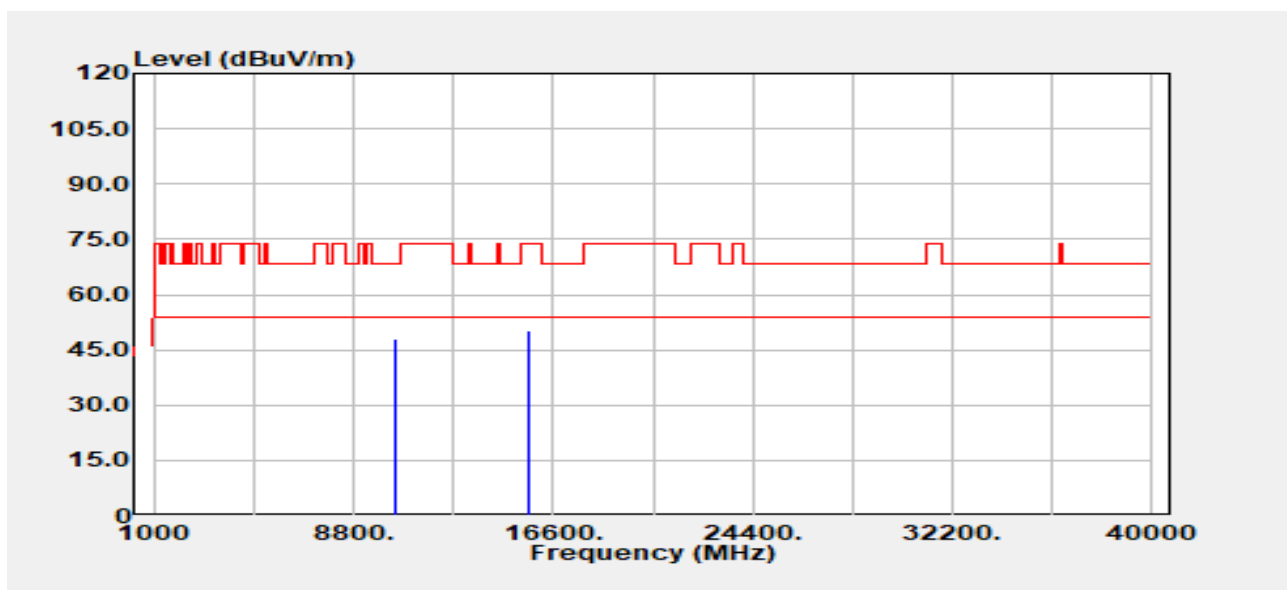


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10440.00	Peak	35.58	12.85	48.42	68.20	-19.78
15660.00	Peak	34.65	15.46	50.11	74.00	-23.89
15660.00	Average	26.43	15.46	41.89	54.00	-12.11

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band1
Frequency :5220 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

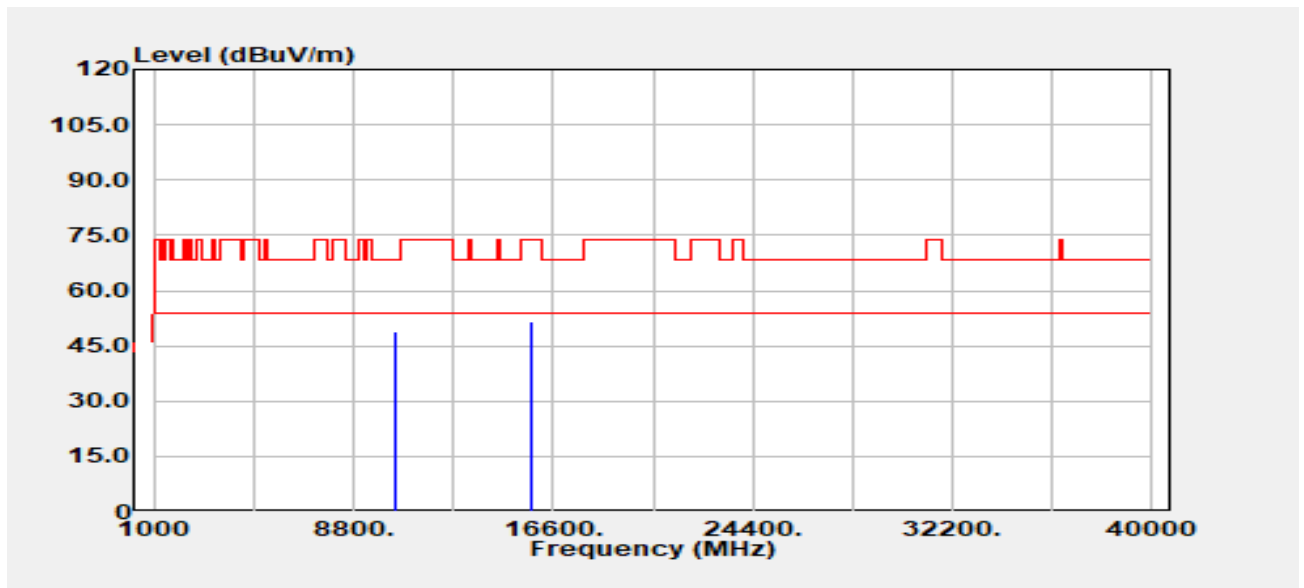


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10440.00	Peak	35.06	12.85	47.91	68.20	-20.29
15660.00	Peak	34.77	15.46	50.23	74.00	-23.77
15660.00	Average	26.24	15.46	41.70	54.00	-12.30

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band1
Frequency :5240 MHz
Operation Mode :TX
EUT Pol :E2

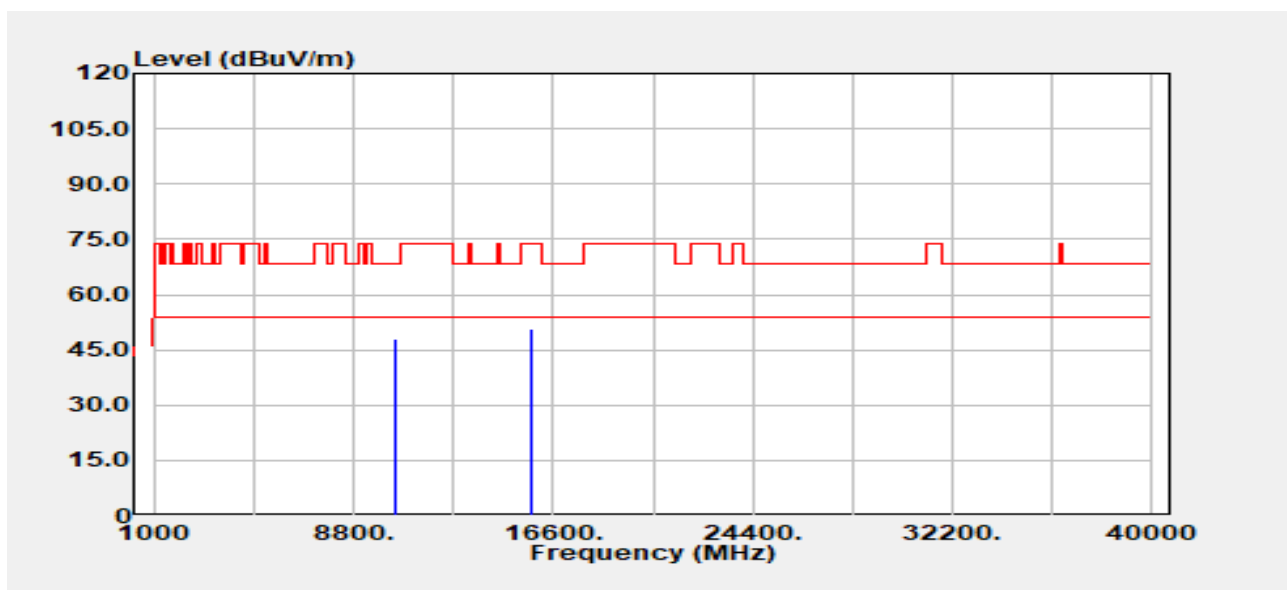
Test Date :2024-03-28
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



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	36.16	12.72	48.88	68.20	-19.32
15720.00	Peak	36.04	15.73	51.77	74.00	-22.23
15720.00	Average	26.45	15.73	42.17	54.00	-11.83

Project No :TM-2311000354P
Operation Band :802.11a/Band1
Frequency :5240 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

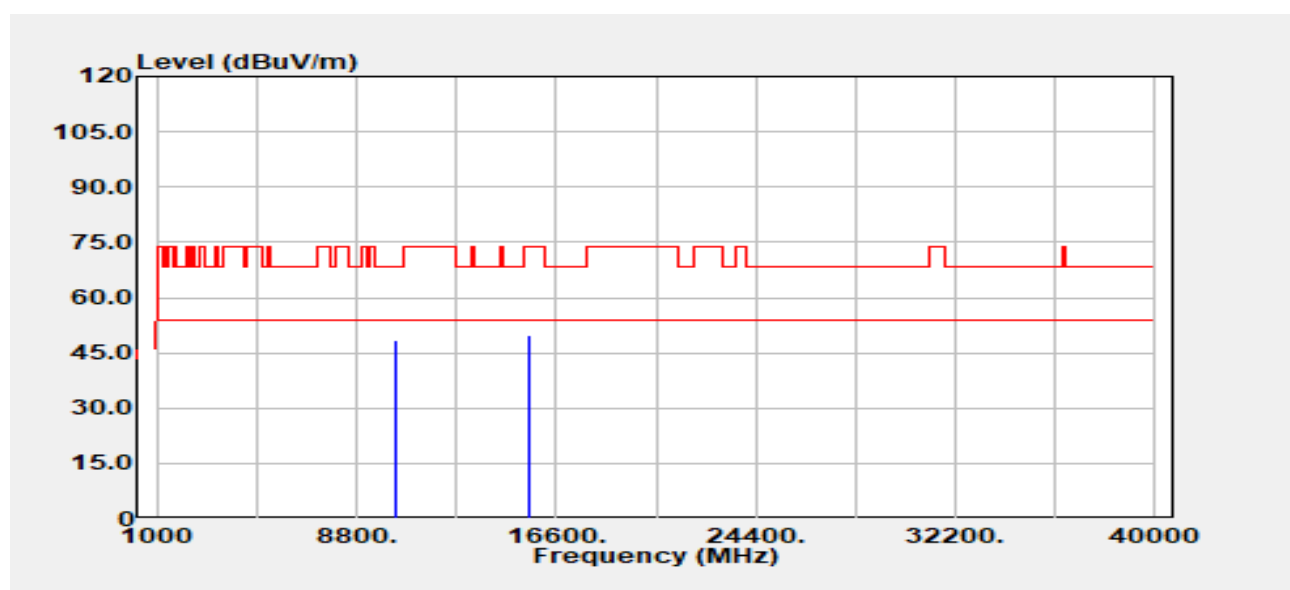


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10480.00	Peak	35.27	12.72	47.99	68.20	-20.21
15720.00	Peak	35.03	15.73	50.76	74.00	-23.24
15720.00	Average	26.53	15.73	42.26	54.00	-11.74

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band1
Frequency :5180 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

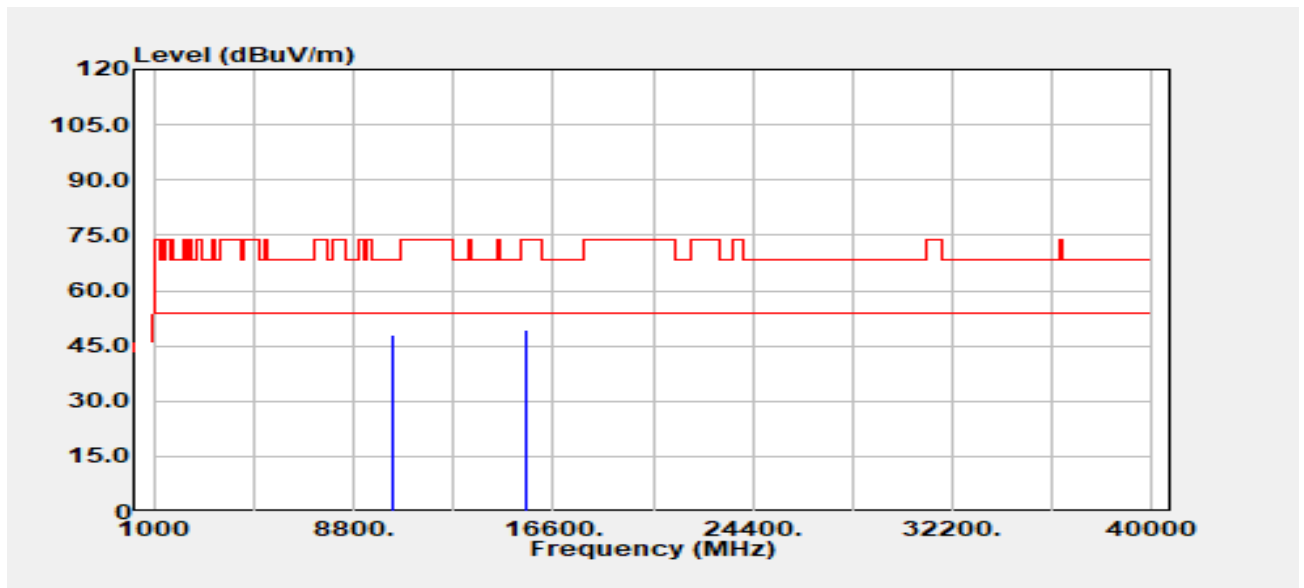


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10360.00	Peak	35.58	12.85	48.43	68.20	-19.77
15540.00	Peak	34.86	14.87	49.73	74.00	-24.27
15540.00	Average	26.65	14.87	41.52	54.00	-12.48

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band1
Frequency :5180 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

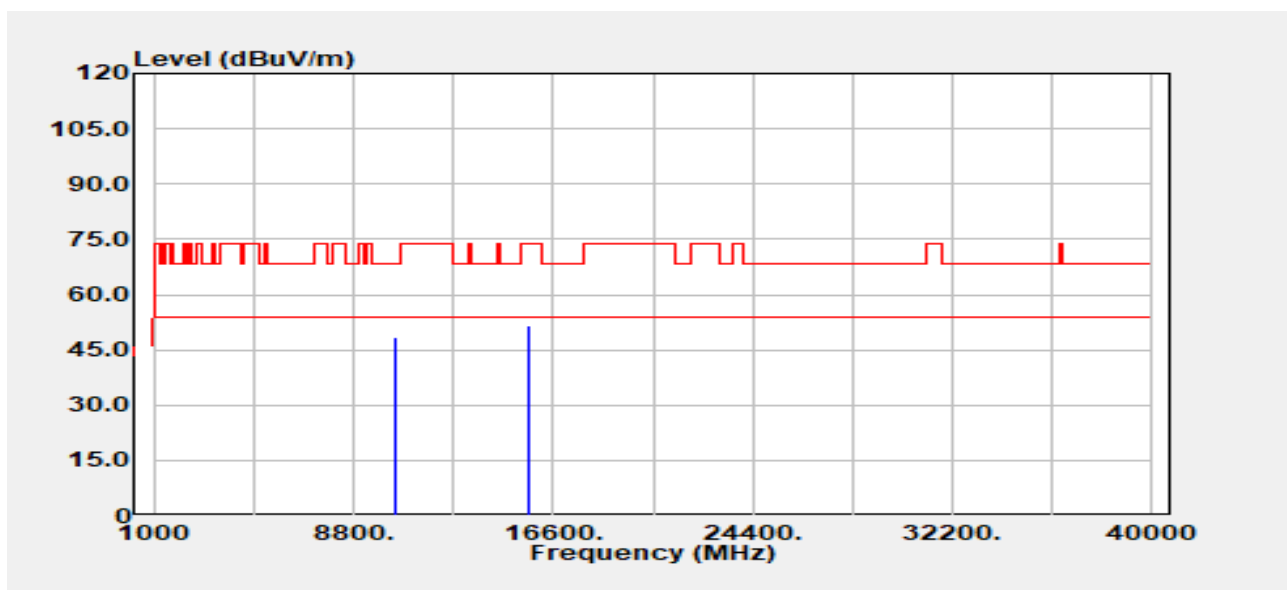


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10360.00	Peak	35.22	12.85	48.07	68.20	-20.13
15540.00	Peak	34.65	14.87	49.52	74.00	-24.48
15540.00	Average	26.52	14.87	41.39	54.00	-12.61

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band1
Frequency :5220 MHz
Operation Mode :TX
EUT Pol :E2

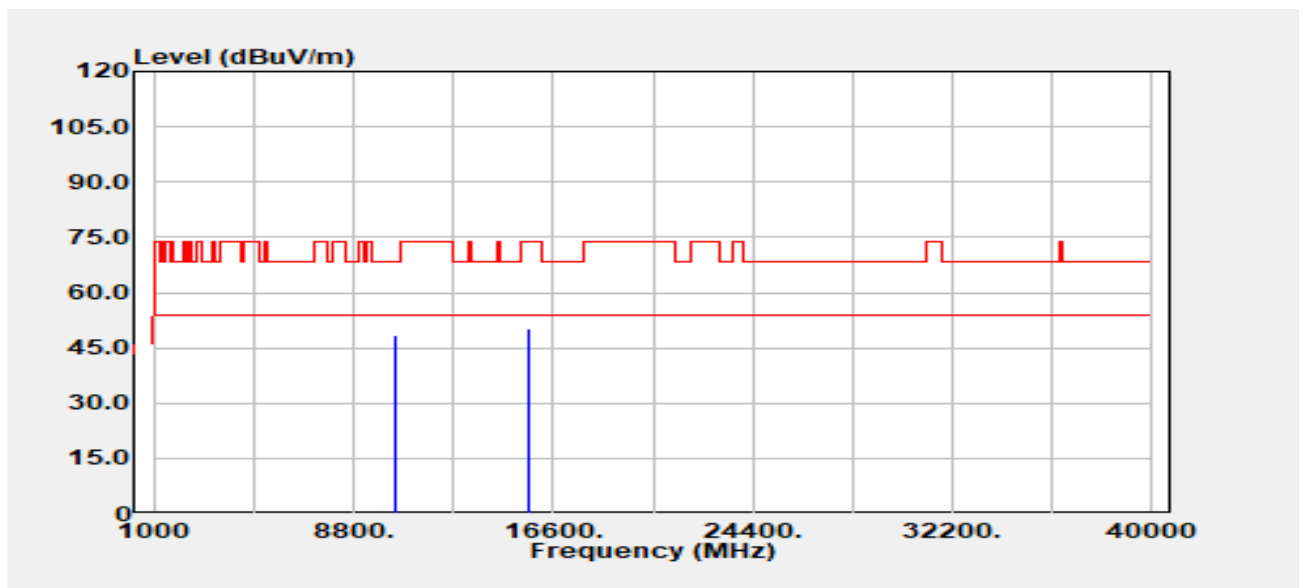
Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



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	35.61	12.85	48.46	68.20	-19.74
15660.00	Peak	36.31	15.46	51.77	74.00	-22.23
15660.00	Average	26.82	15.46	42.28	54.00	-11.72

Project No :TM-2311000354P
 Operation Band :802.11n20/Band1
 Frequency :5220 MHz
 Operation Mode :TX
 EUT Pol :E2

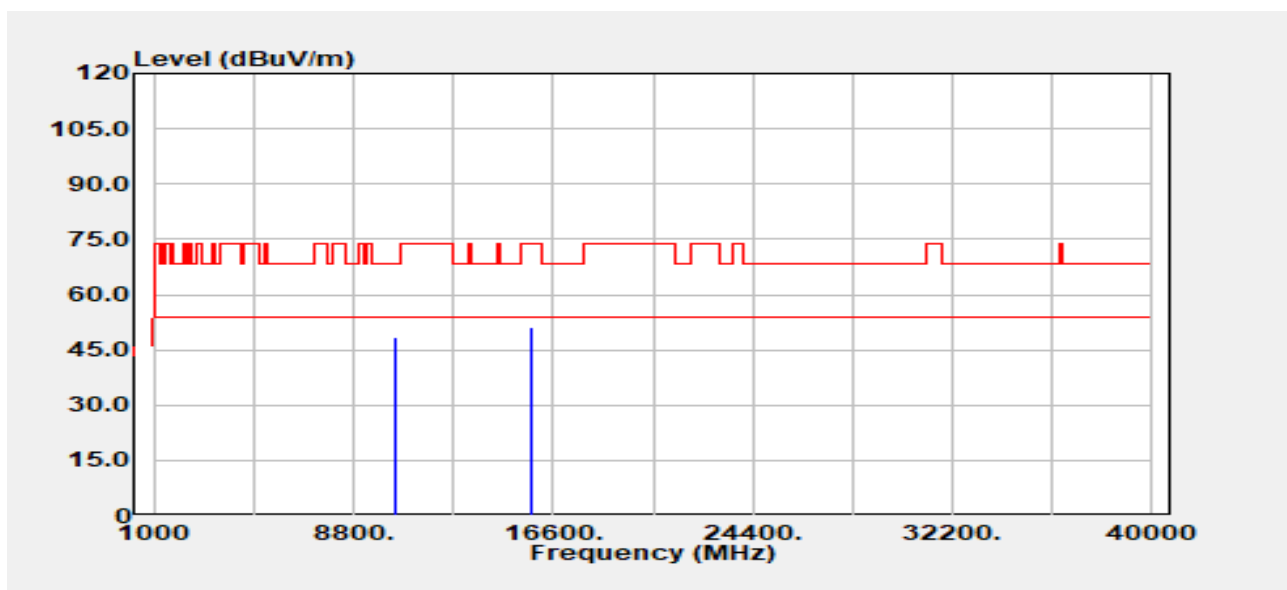
Test Date :2024-03-30
 Temp./Humi. :24.6/61
 Antenna Pol. :Horizontal
 Engineer :Ray Li
 Test Chamber : 966A



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	35.52	12.85	48.37	68.20	-19.83
15660.00	Peak	34.99	15.46	50.45	74.00	-23.55
15660.00	Average	26.97	15.46	42.43	54.00	-11.57

Project No :TM-2311000354P
 Operation Band :802.11n20/Band1
 Frequency :5240 MHz
 Operation Mode :TX
 EUT Pol :E2

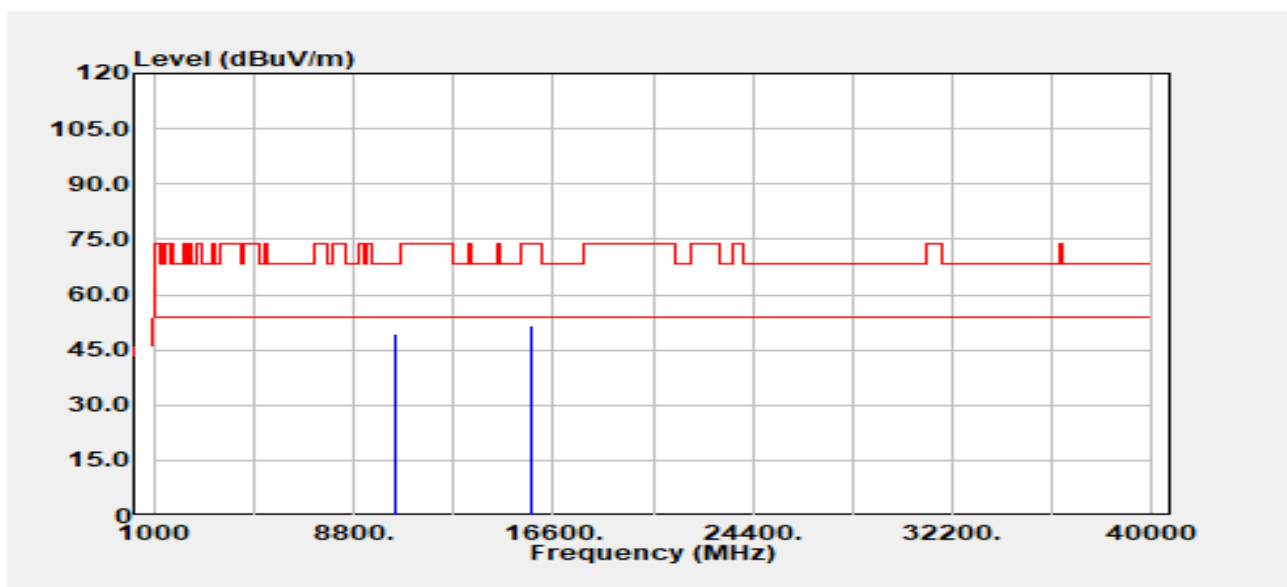
Test Date :2024-03-30
 Temp./Humi. :24.6/61
 Antenna Pol. :Vertical
 Engineer :Ray Li
 Test Chamber : 966A



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	35.55	12.72	48.27	68.20	-19.93
15720.00	Peak	35.42	15.73	51.15	74.00	-22.86
15720.00	Average	27.05	15.73	42.77	54.00	-11.23

Project No :TM-2311000354P
Operation Band :802.11n20/Band1
Frequency :5240 MHz
Operation Mode :TX
EUT Pol :E2

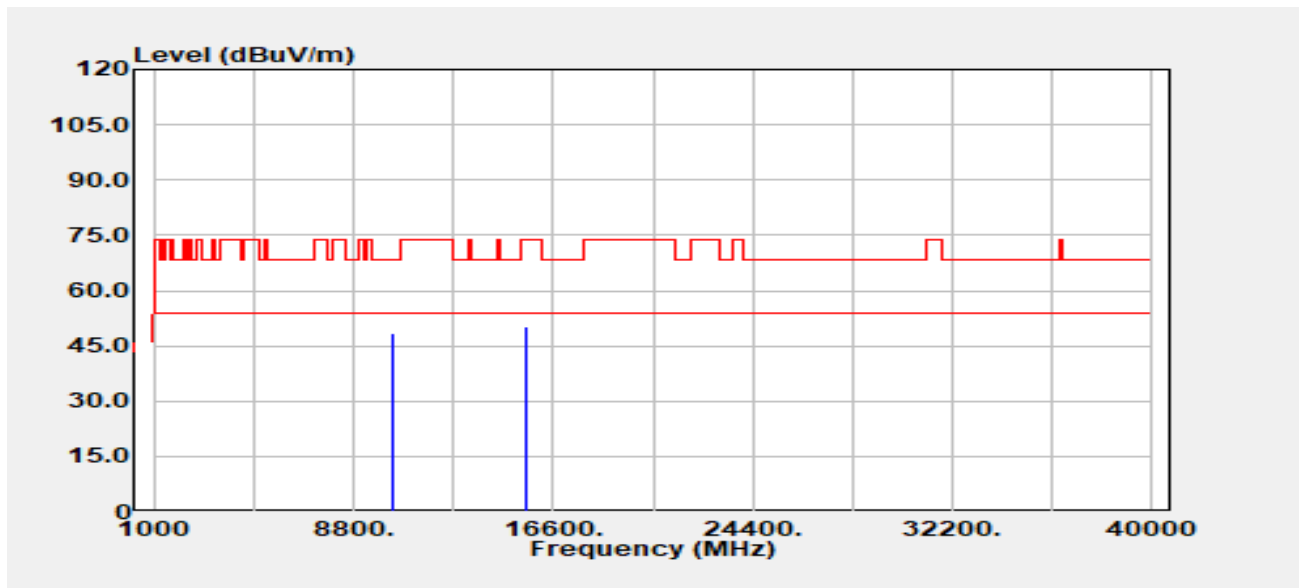
Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



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	36.61	12.72	49.33	68.20	-18.87
15720.00	Peak	35.87	15.73	51.59	74.00	-22.41
15720.00	Average	27.12	15.73	42.85	54.00	-11.15

Project No :TM-2311000354P
Operation Band :802.11n40/Band1
Frequency :5190 MHz
Operation Mode :TX
EUT Pol :E2

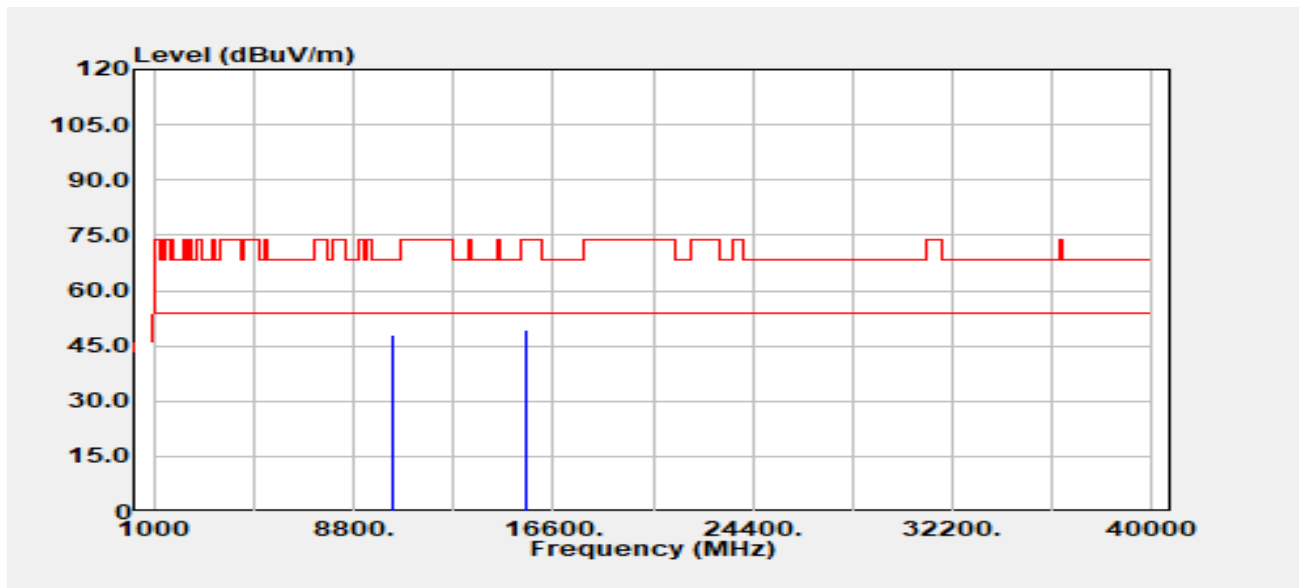
Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10380.00	Peak	35.34	12.91	48.25	68.20	-19.95
15570.00	Peak	35.11	15.12	50.23	74.00	-23.77
15570.00	Average	25.83	15.12	40.95	54.00	-13.05

Project No :TM-2311000354P
Operation Band :802.11n40/Band1
Frequency :5190 MHz
Operation Mode :TX
EUT Pol :E2

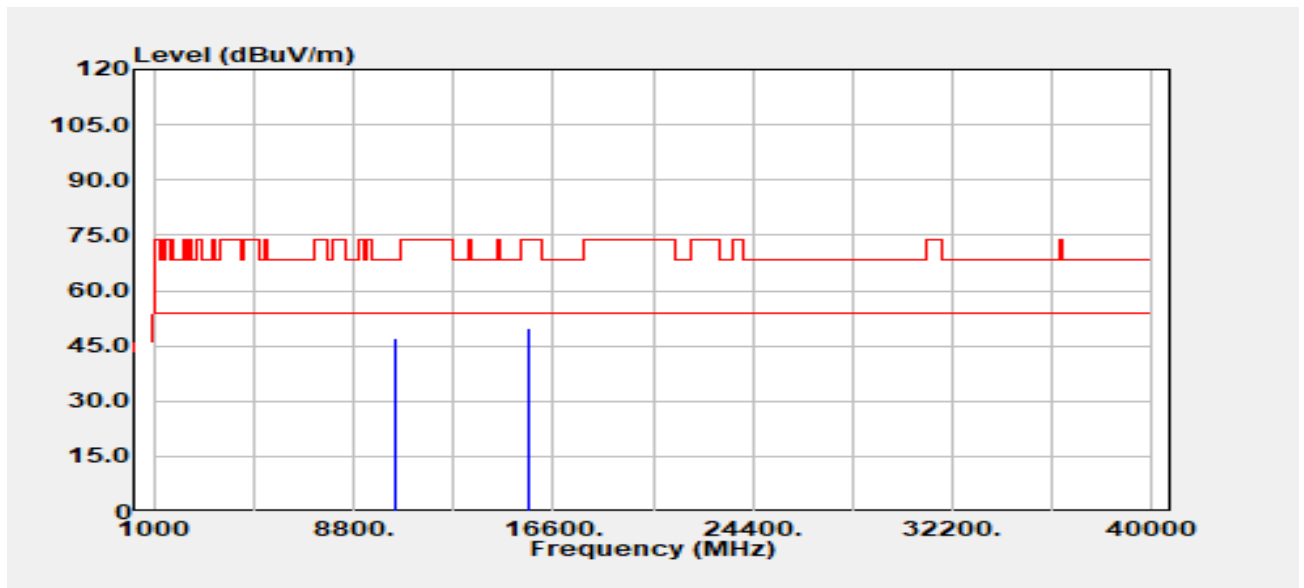
Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10380.00	Peak	35.20	12.91	48.11	68.20	-20.09
15570.00	Peak	34.13	15.12	49.25	74.00	-24.75
15570.00	Average	25.90	15.12	41.02	54.00	-12.98

Project No :TM-2311000354P
 Operation Band :802.11n40/Band1
 Frequency :5230 MHz
 Operation Mode :TX
 EUT Pol :E2

Test Date :2024-04-01
 Temp./Humi. :24.4/58
 Antenna Pol. :VERTICAL
 Engineer :Tony Chao
 Test Chamber : 966A

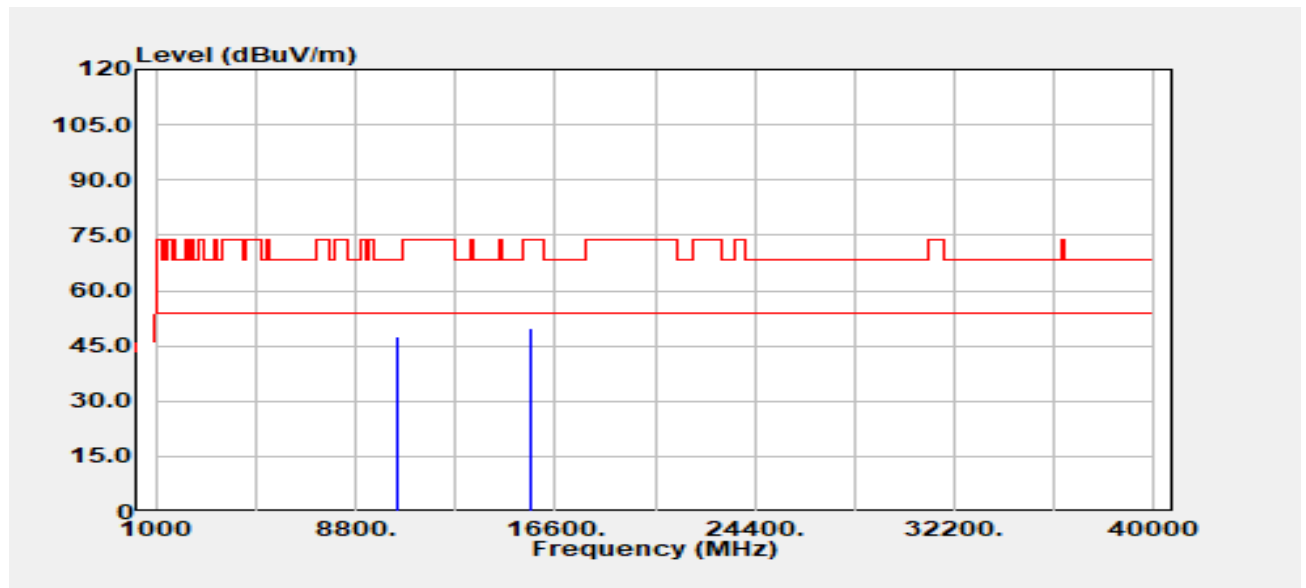


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10460.00	Peak	34.29	12.78	47.08	68.20	-21.12
15690.00	Peak	34.48	15.42	49.89	74.00	-24.11
15690.00	Average	25.90	15.42	41.32	54.00	-12.69

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band1
Frequency :5230 MHz
Operation Mode :TX
EUT Pol :E2

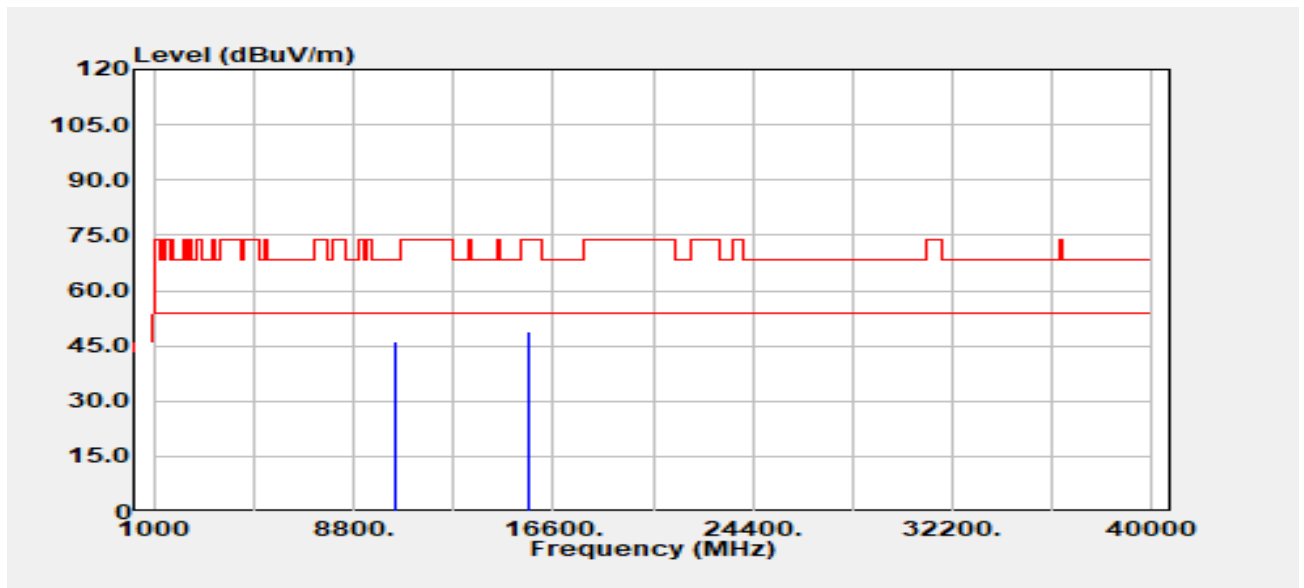
Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
10460.00	Peak	34.74	12.78	47.53	68.20	-20.67
10460.00	Average	26.10	12.78	38.88	54.00	-15.12
15690.00	Peak	34.36	15.42	49.78	74.00	-24.22

Project No :TM-2311000354P
 Operation Band :802.11ac80/Band1
 Frequency :5210 MHz
 Operation Mode :TX
 EUT Pol :E2

Test Date :2024-04-01
 Temp./Humi. :24.4/58
 Antenna Pol. :VERTICAL
 Engineer :Tony Chao
 Test Chamber : 966A

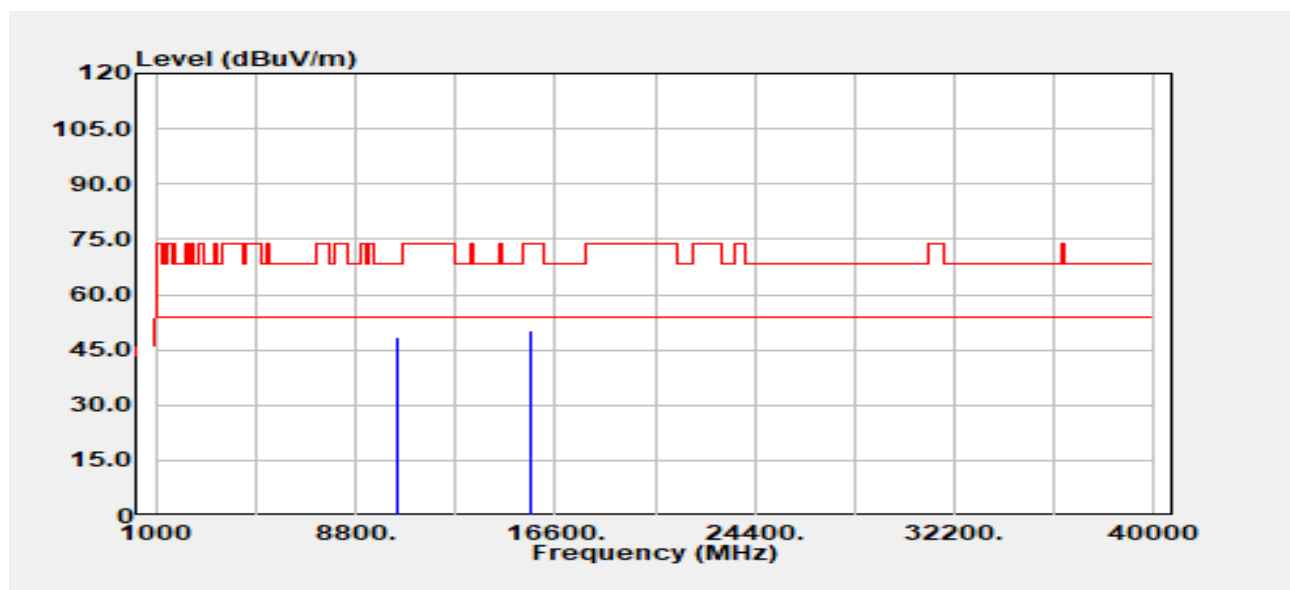


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10420.00	Peak	33.46	12.91	46.38	68.20	-21.82
15630.00	Peak	33.61	15.41	49.02	74.00	-24.98
15630.00	Average	26.10	15.41	41.51	54.00	-12.49

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band1
Frequency :5210 MHz
Operation Mode :TX
EUT Pol :E2

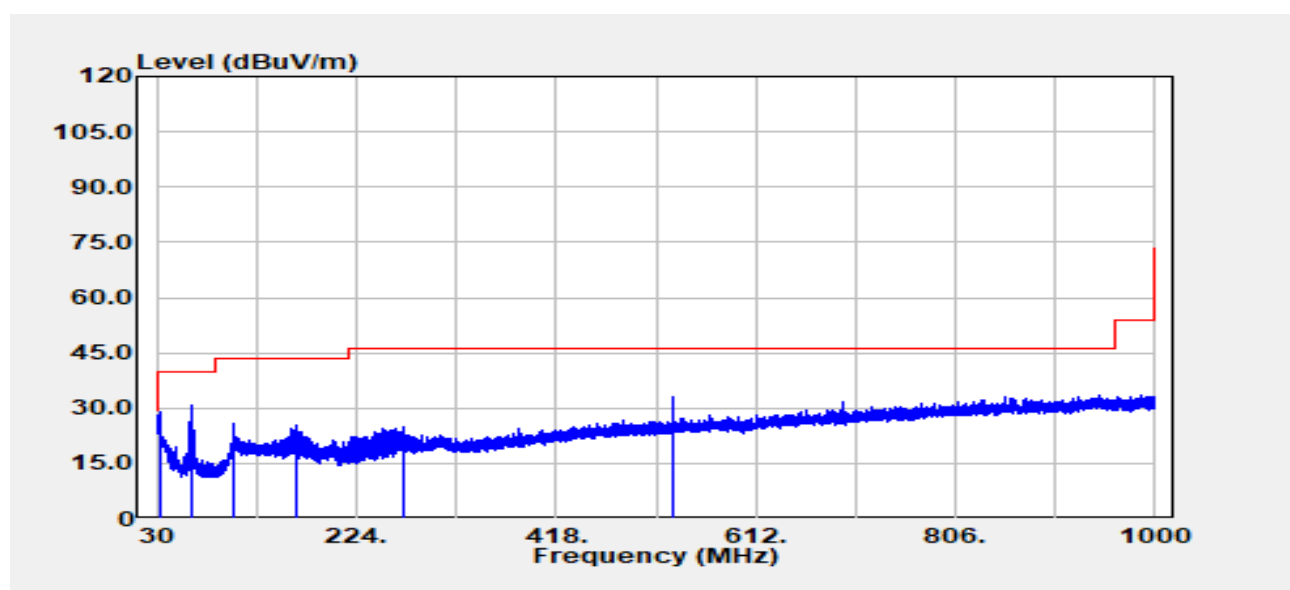
Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



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	35.72	12.91	48.64	68.20	-19.56
15630.00	Peak	34.64	15.41	50.05	74.00	-23.95
15630.00	Average	26.10	15.41	41.51	54.00	-12.49

Project No :TM-2311000354P
Operation Band :802.11ac80/Band2
Frequency :5290 MHz
Operation Mode :TX
EUT Pol :E2

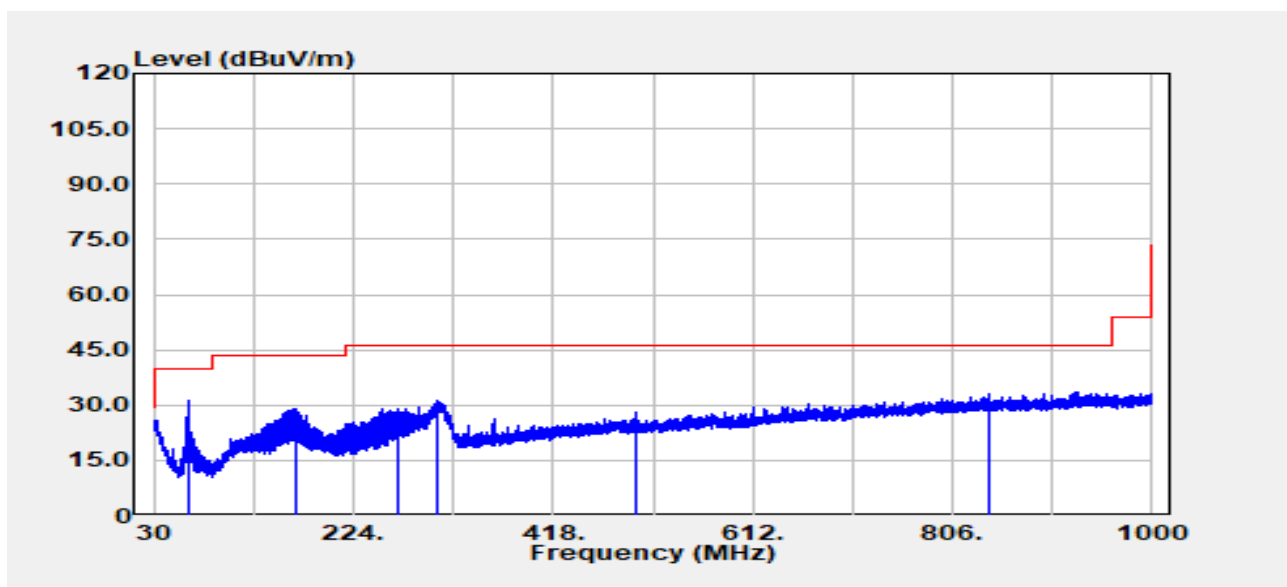
Test Date :2024-04-02
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
32.30	Peak	32.85	-3.90	28.94	40.00	-11.06
63.60	Peak	46.07	-15.45	30.62	40.00	-9.38
104.00	Peak	37.01	-11.40	25.61	43.50	-17.89
166.00	Peak	36.40	-10.82	25.58	43.50	-17.92
270.80	Peak	33.77	-8.98	24.79	46.00	-21.21
531.70	Peak	35.99	-2.96	33.03	46.00	-12.97

Project No :TM-2311000354P
Operation Band :802.11ac80/Band2
Frequency :5290 MHz
Operation Mode :TX
EUT Pol :E2

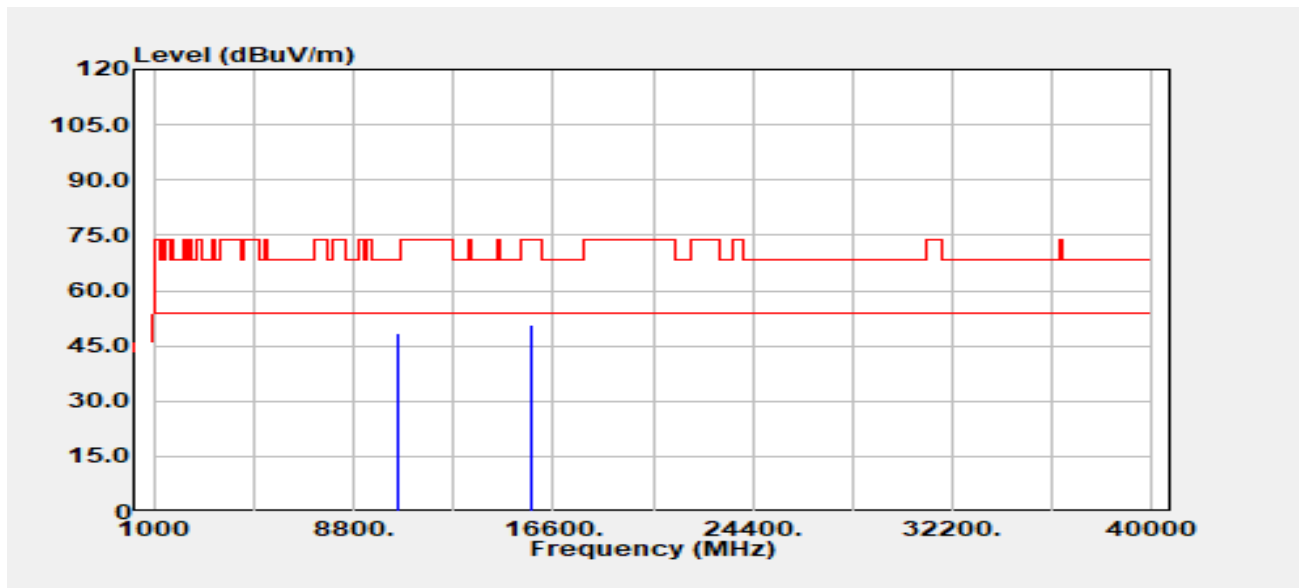
Test Date :2024-04-02
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBuV	Factor dB	Actual FS dBuV/m	Limit dBuV/m	Margin dB
63.60	Peak	46.62	-15.45	31.17	40.00	-8.83
168.30	Peak	39.91	-10.94	28.97	43.50	-14.53
267.20	Peak	38.31	-9.24	29.06	46.00	-16.94
305.00	Peak	39.53	-8.46	31.07	46.00	-14.93
497.80	Peak	31.29	-3.42	27.87	46.00	-18.13
841.70	Peak	30.91	2.15	33.06	46.00	-12.94

Project No :TM-2311000354P
Operation Band :802.11a/Band2
Frequency :5260 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-28
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

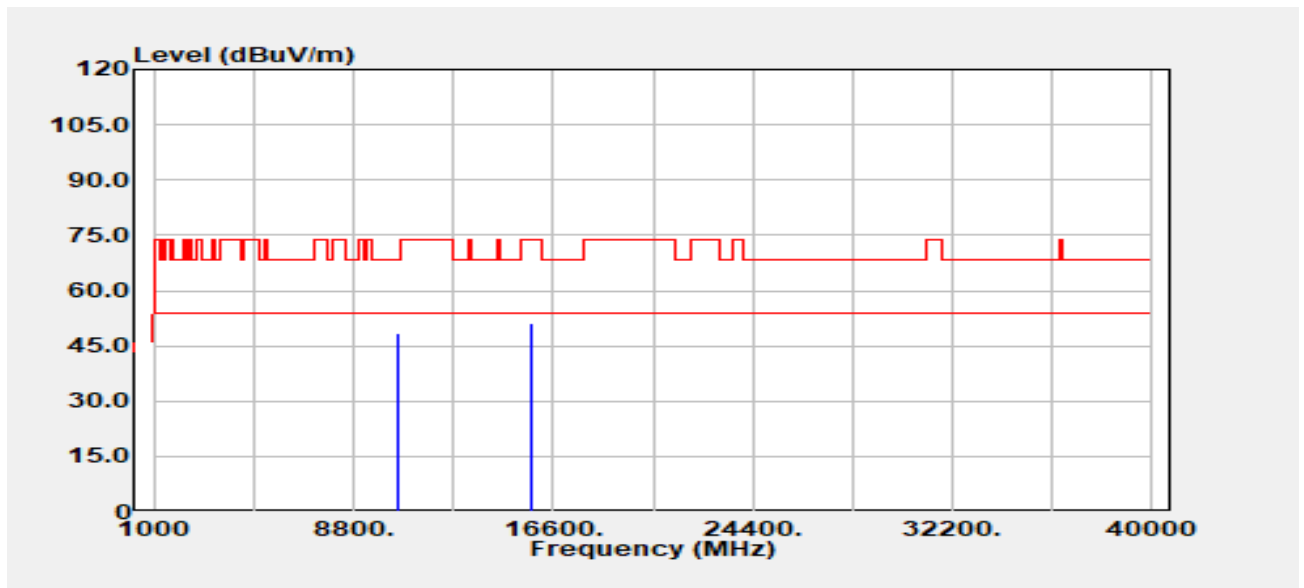


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10520.00	Peak	35.80	12.78	48.58	68.20	-19.62
15780.00	Peak	34.54	16.08	50.62	74.00	-23.38
15780.00	Average	26.20	16.08	42.27	54.00	-11.73

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band2
Frequency :5260 MHz
Operation Mode :TX
EUT Pol :E2

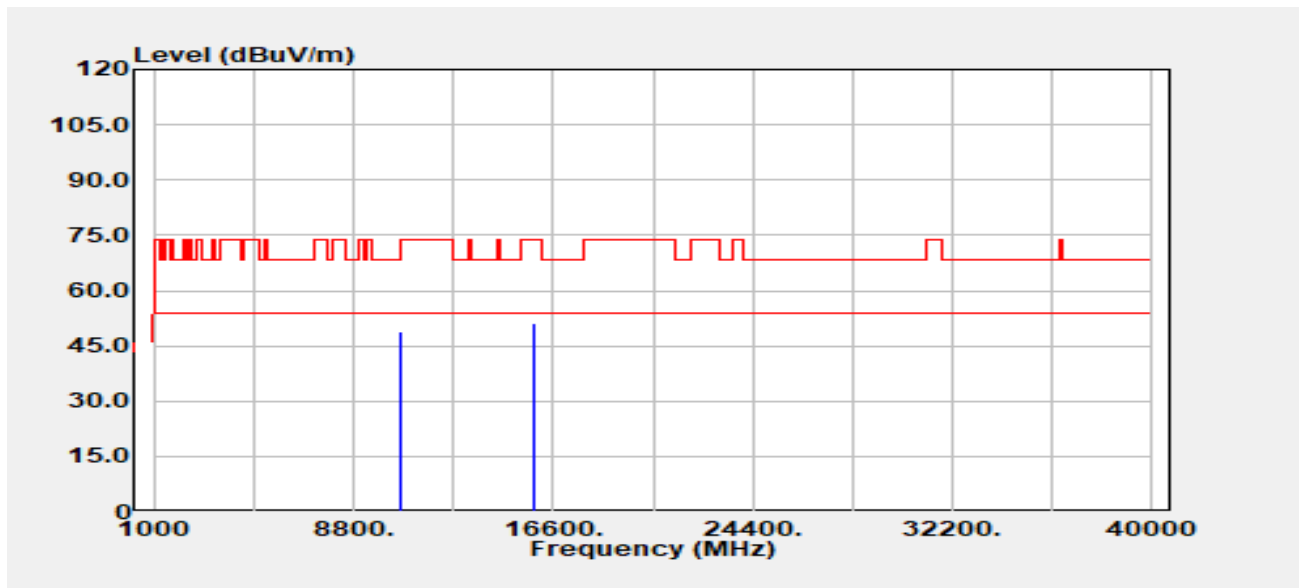
Test Date :2024-03-28
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



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	35.47	12.78	48.25	68.20	-19.95
15780.00	Peak	34.95	16.08	51.03	74.00	-22.97
15780.00	Average	26.26	16.08	42.33	54.00	-11.67

Project No :TM-2311000354P
Operation Band :802.11a/Band2
Frequency :5300 MHz
Operation Mode :TX
EUT Pol :E2

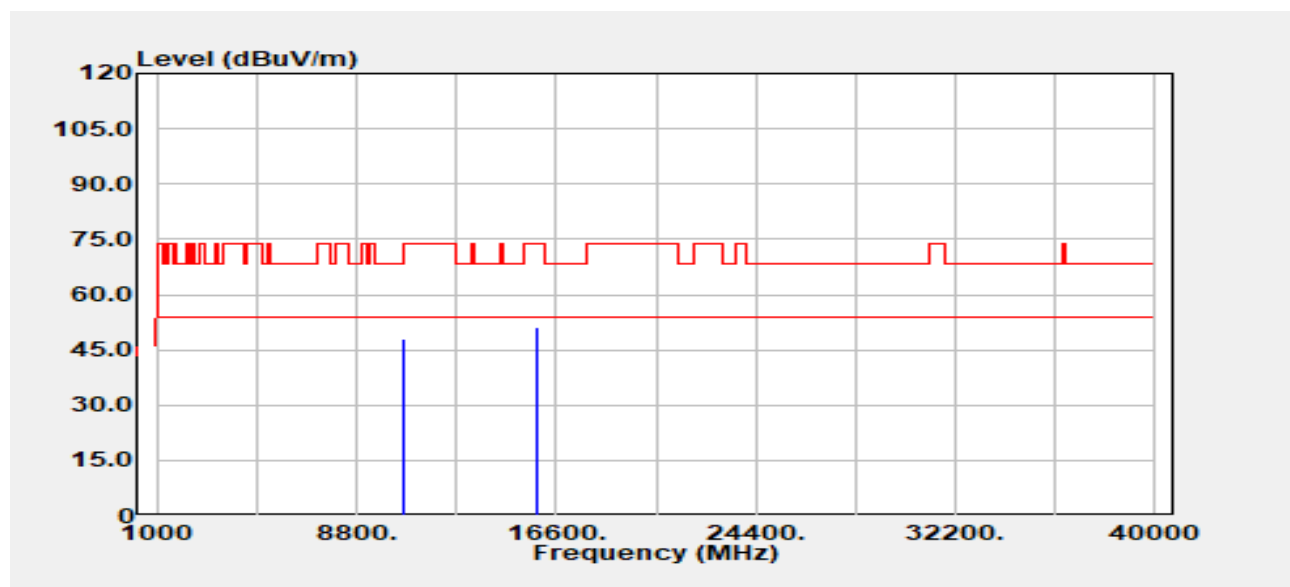
Test Date :2024-03-28
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



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	35.76	12.96	48.72	68.20	-19.48
15900.00	Peak	35.01	16.19	51.20	74.00	-22.80
15900.00	Average	26.48	16.19	42.67	54.00	-11.33

Project No :TM-2311000354P
Operation Band :802.11a/Band2
Frequency :5300 MHz
Operation Mode :TX
EUT Pol :E2

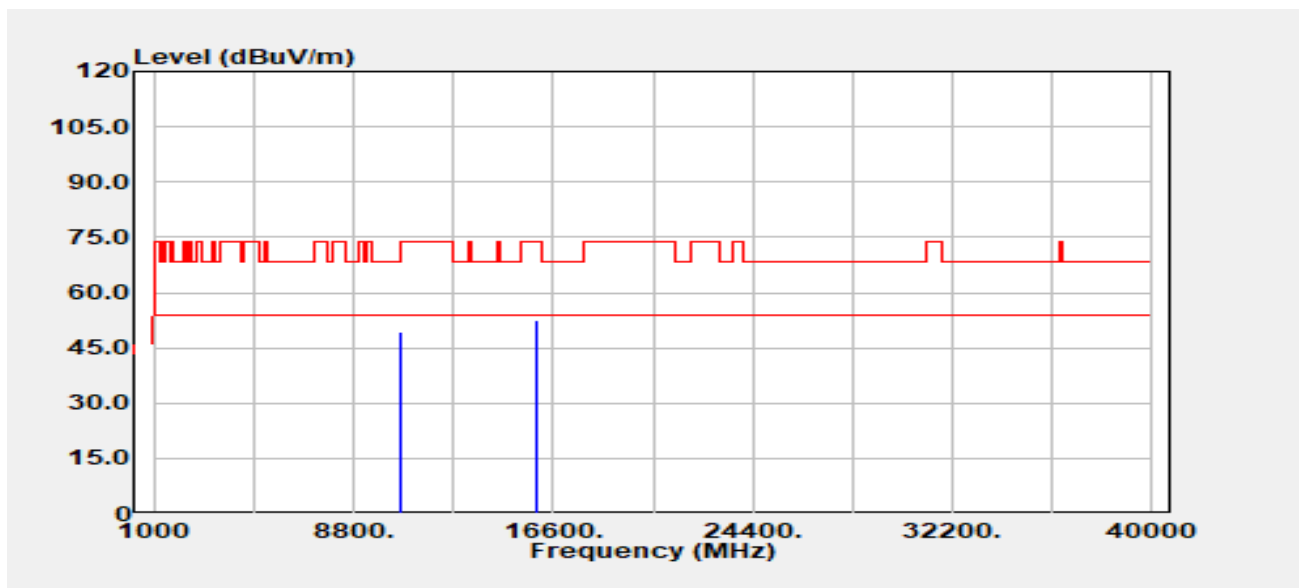
Test Date :2024-03-28
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



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	35.04	12.96	48.00	68.20	-20.20
15900.00	Peak	34.90	16.19	51.09	74.00	-22.91
15900.00	Average	26.54	16.19	42.73	54.00	-11.27

Project No :TM-2311000354P
Operation Band :802.11a/Band2
Frequency :5320 MHz
Operation Mode :TX
EUT Pol :E2

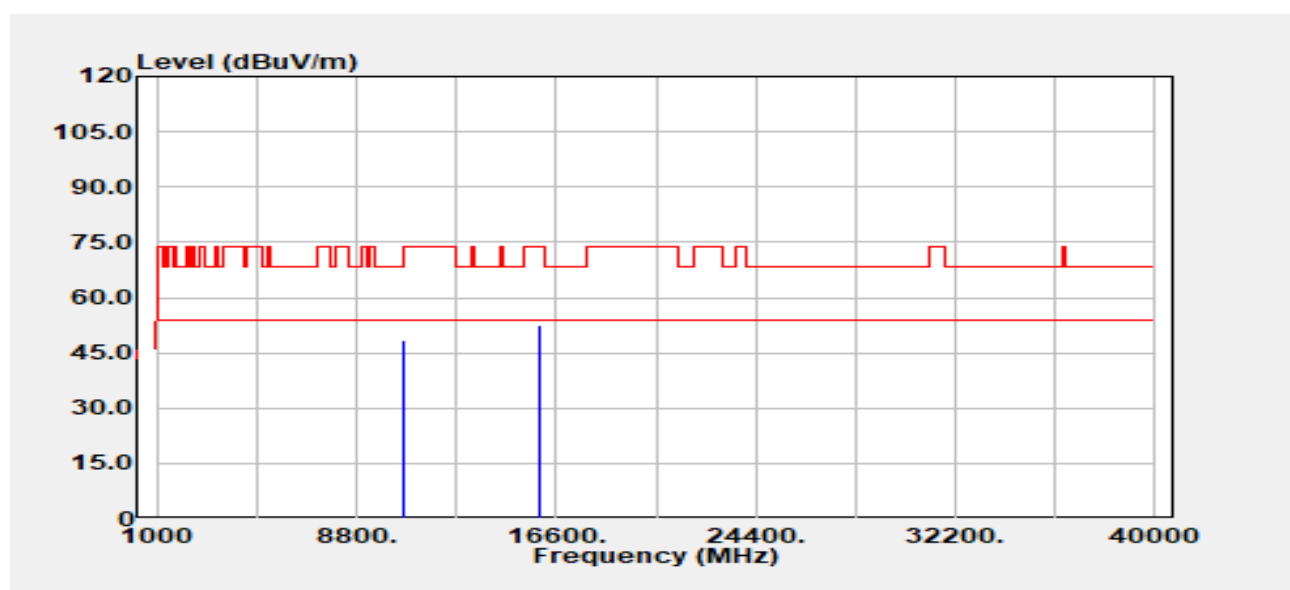
Test Date :2024-03-29
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
10640.00	Peak	36.25	13.04	49.30	74.00	-24.70
10640.00	Average	30.12	13.04	43.17	54.00	-10.83
15960.00	Peak	35.05	17.41	52.46	74.00	-21.54
15960.00	Average	26.91	17.41	44.32	54.00	-9.68

Project No :TM-2311000354P
Operation Band :802.11a/Band2
Frequency :5320 MHz
Operation Mode :TX
EUT Pol :E2

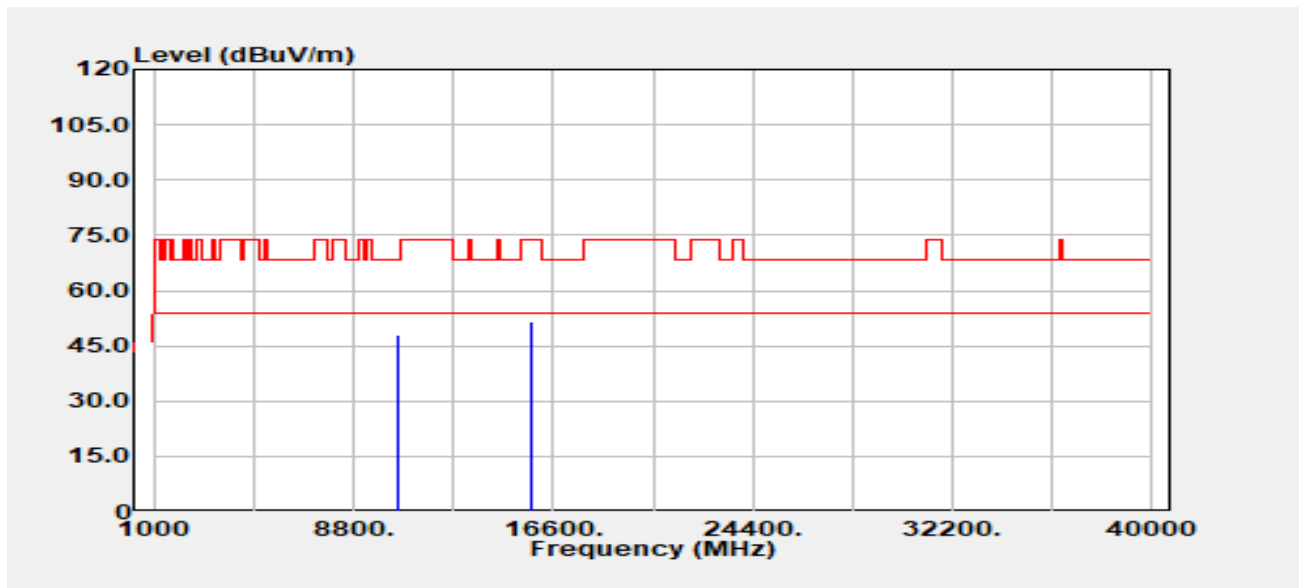
Test Date :2024-03-29
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



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	35.25	13.04	48.30	74.00	-25.70
10640.00	Average	28.72	13.04	41.77	54.00	-12.23
15960.00	Peak	35.22	17.41	52.63	74.00	-21.37
15960.00	Average	26.84	17.41	44.25	54.00	-9.75

Project No :TM-2311000354P
 Operation Band :802.11n20/Band2
 Frequency :5260 MHz
 Operation Mode :TX
 EUT Pol :E2

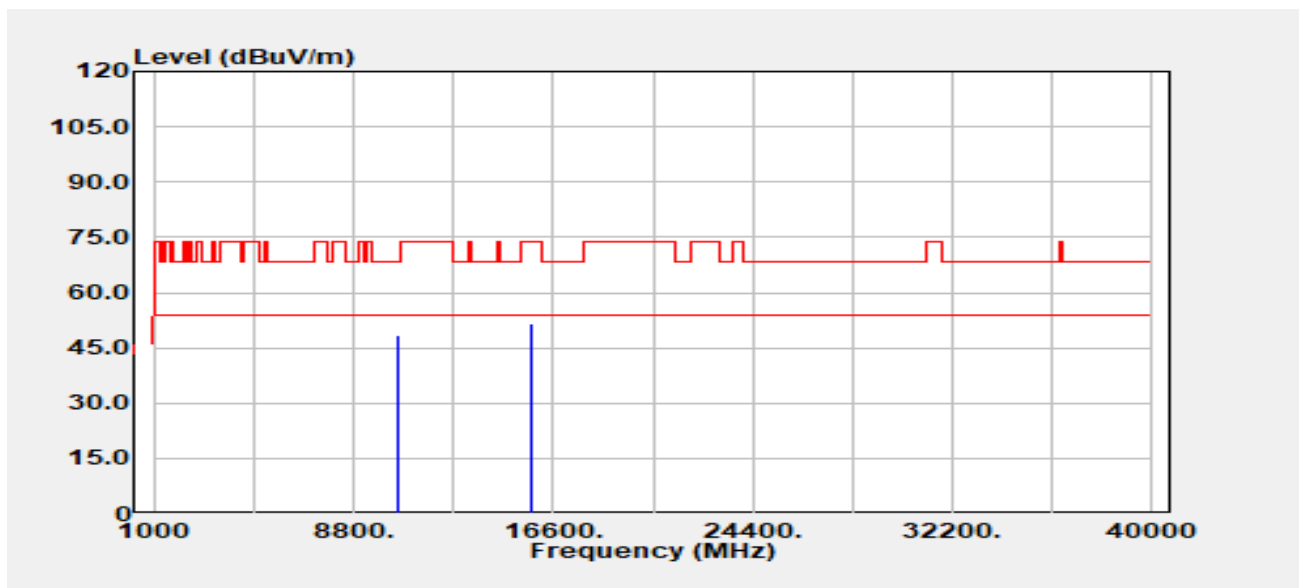
Test Date :2024-03-30
 Temp./Humi. :24.6/61
 Antenna Pol. :Vertical
 Engineer :Ray Li
 Test Chamber : 966A



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	35.04	12.78	47.82	68.20	-20.38
15780.00	Peak	35.51	16.08	51.59	74.00	-22.41
15780.00	Average	26.80	16.08	42.87	54.00	-11.13

Project No :TM-2311000354P
Operation Band :802.11n20/Band2
Frequency :5260 MHz
Operation Mode :TX
EUT Pol :E2

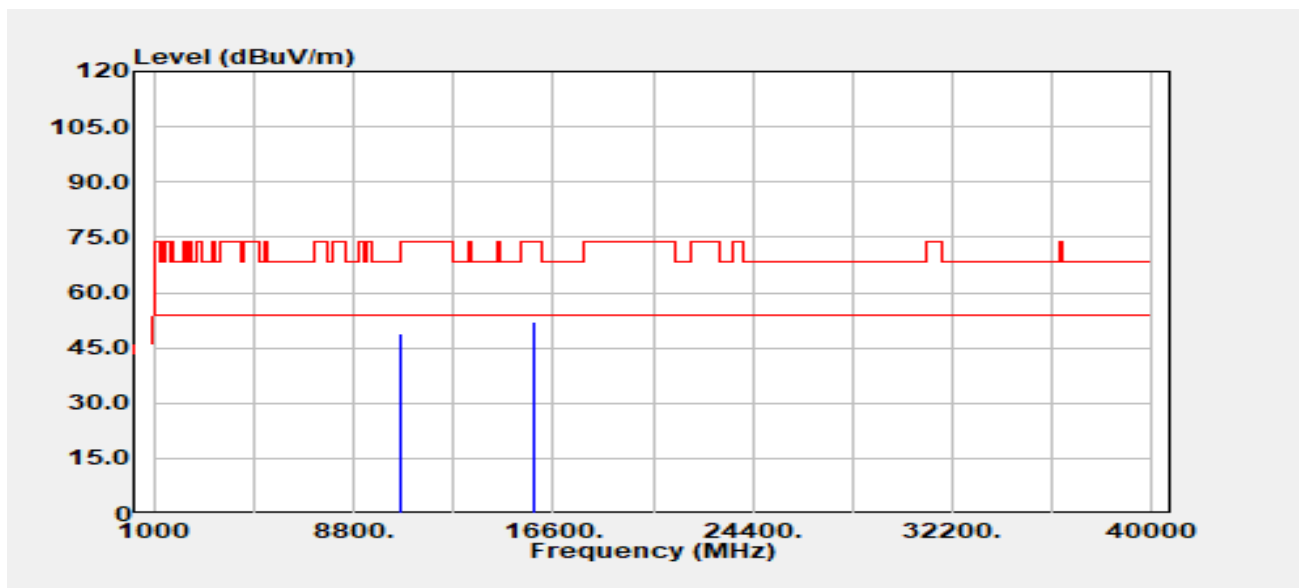
Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



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	35.64	12.78	48.42	68.20	-19.78
15780.00	Peak	35.72	16.08	51.79	74.00	-22.21
15780.00	Average	26.69	16.08	42.76	54.00	-11.24

Project No :TM-2311000354P
Operation Band :802.11n20/Band2
Frequency :5300 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

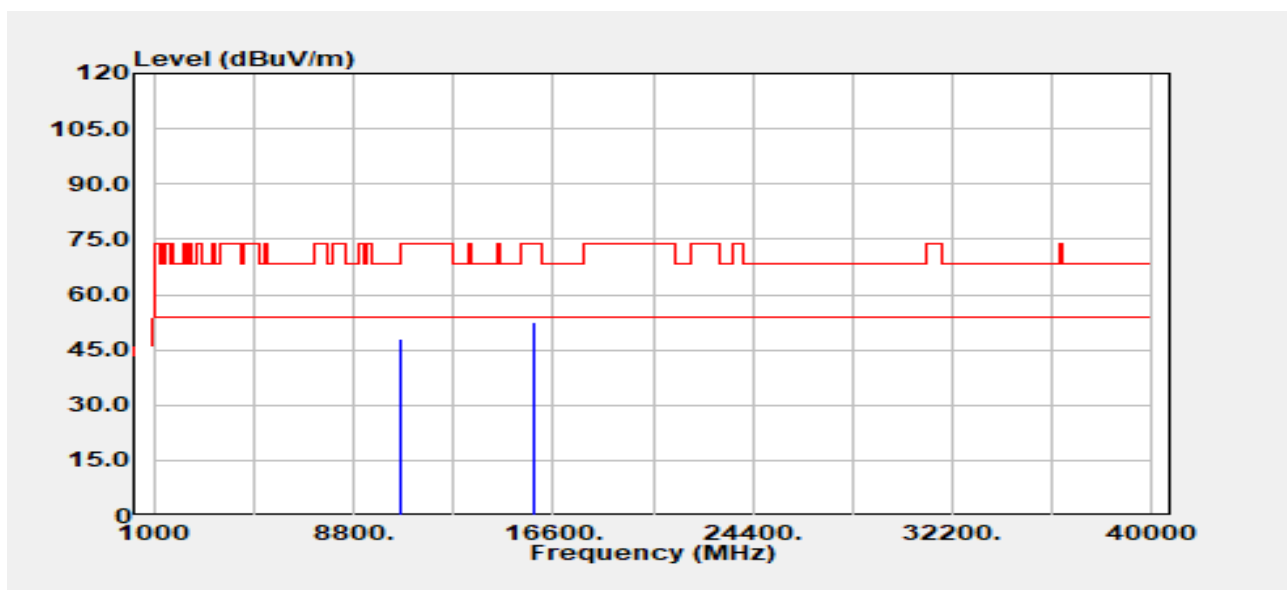


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10600.00	Peak	35.97	12.96	48.93	68.20	-19.27
15900.00	Peak	35.90	16.19	52.09	74.00	-21.91
15900.00	Average	27.78	16.19	43.97	54.00	-10.03

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band2
Frequency :5300 MHz
Operation Mode :TX
EUT Pol :E2

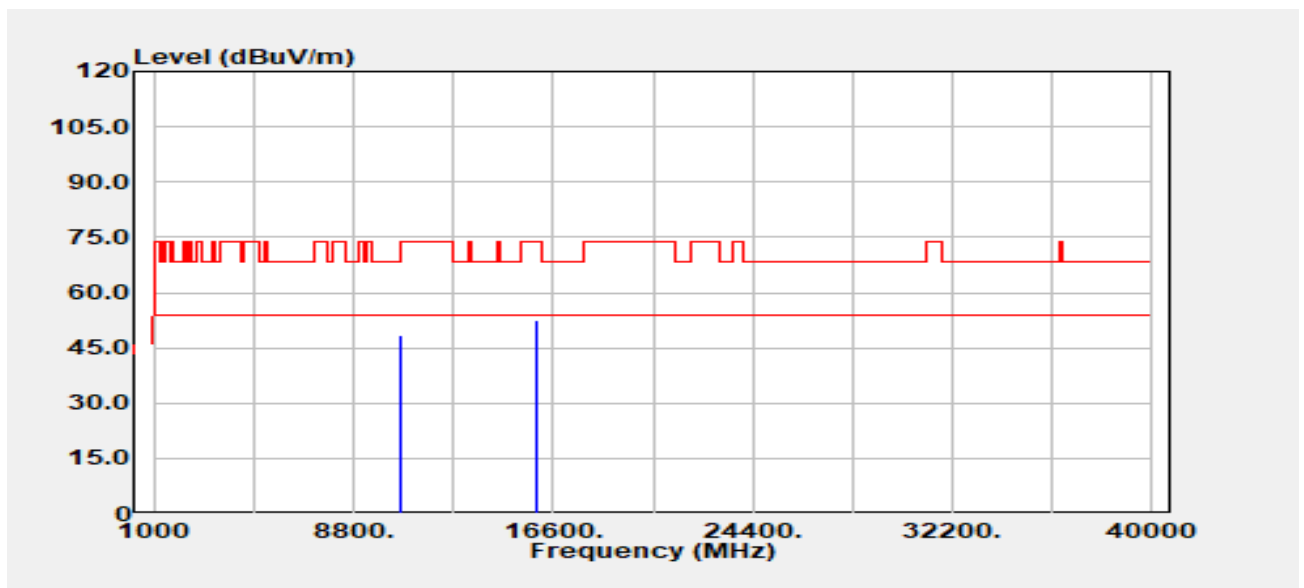
Test Date :2024-04-02
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



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	35.10	12.96	48.06	68.20	-20.14
15900.00	Peak	36.18	16.19	52.37	74.00	-21.63
15900.00	Average	27.81	16.19	44.00	54.00	-10.00

Project No :TM-2311000354P
Operation Band :802.11n20/Band2
Frequency :5320 MHz
Operation Mode :TX
EUT Pol :E2

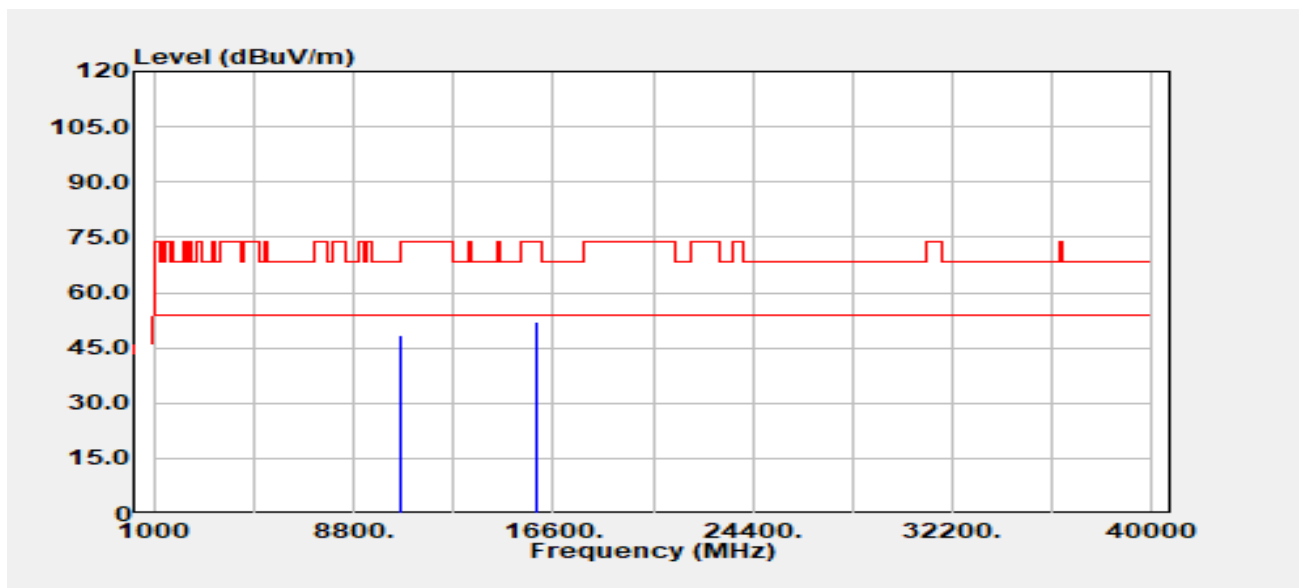
Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



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	35.40	13.04	48.45	74.00	-25.55
10640.00	Average	29.27	13.04	42.32	54.00	-11.68
15960.00	Peak	35.10	17.41	52.51	74.00	-21.49
15960.00	Average	26.76	17.41	44.17	54.00	-9.83

Project No :TM-2311000354P
Operation Band :802.11n20/Band2
Frequency :5320 MHz
Operation Mode :TX
EUT Pol :E2

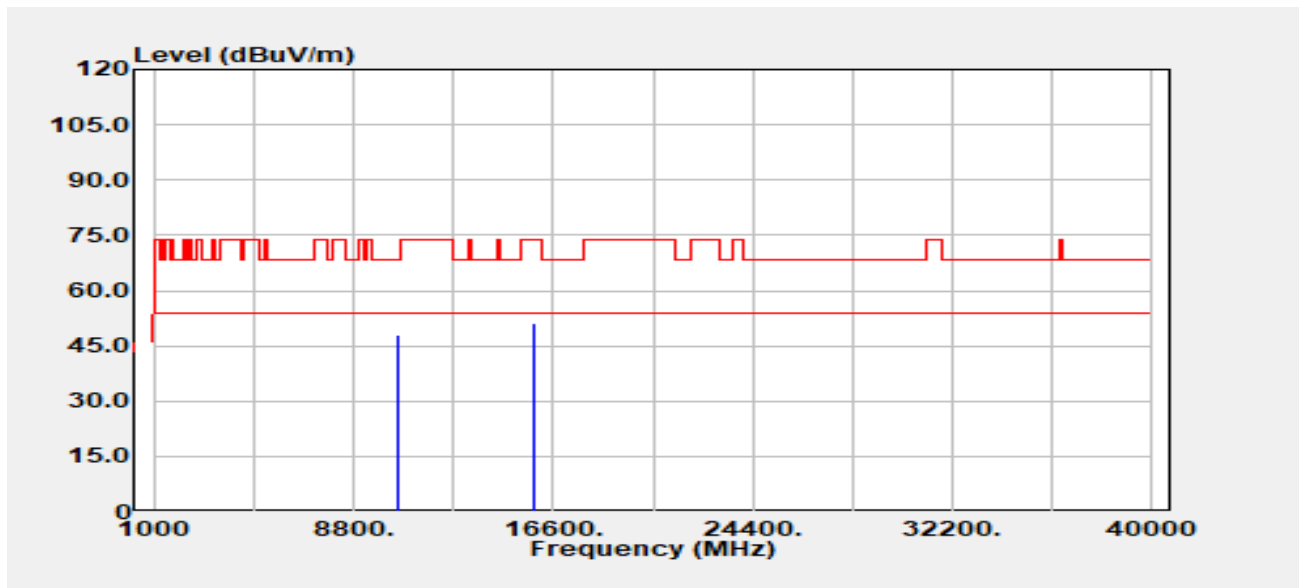
Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



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	35.38	13.04	48.42	74.00	-25.58
10640.00	Average	27.96	13.04	41.01	54.00	-12.99
15960.00	Peak	34.78	17.41	52.19	74.00	-21.81
15960.00	Average	26.68	17.41	44.09	54.00	-9.91

Project No :TM-2311000354P
 Operation Band :802.11n40/Band2
 Frequency :5270 MHz
 Operation Mode :TX
 EUT Pol :E2

Test Date :2024-04-01
 Temp./Humi. :24.4/58
 Antenna Pol. :VERTICAL
 Engineer :Tony Chao
 Test Chamber : 966A

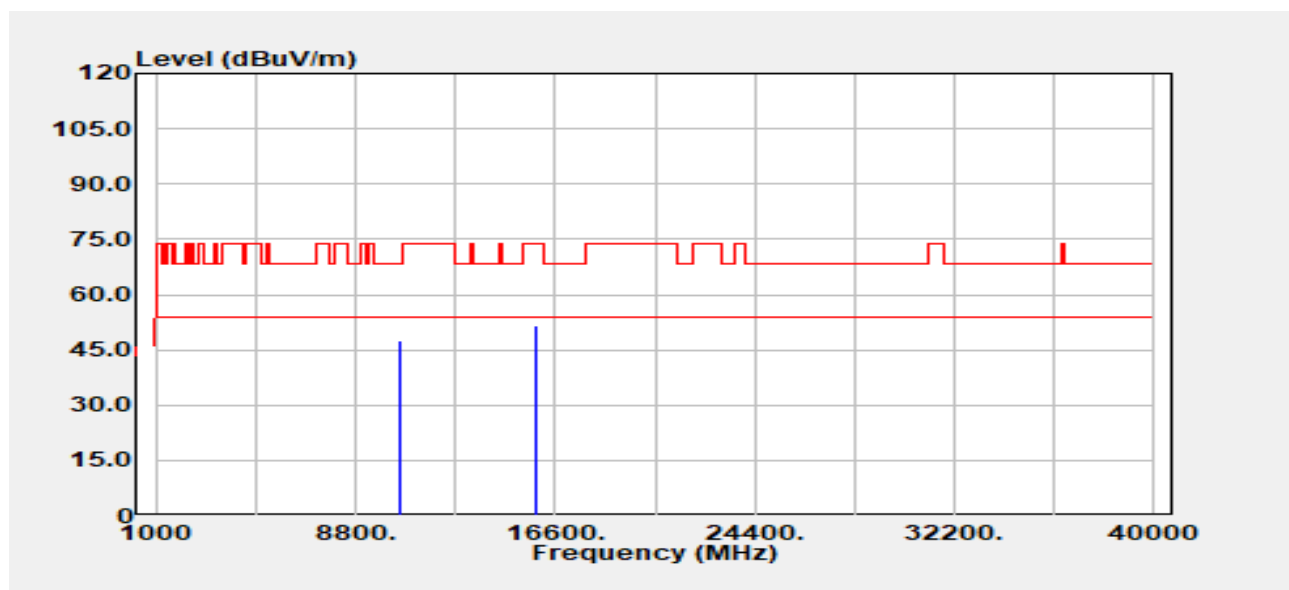


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10540.00	Peak	35.22	12.90	48.12	68.20	-20.08
15810.00	Peak	35.18	15.96	51.14	74.00	-22.86
15810.00	Average	26.30	15.96	42.26	54.00	-11.74

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band2
Frequency :5270 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

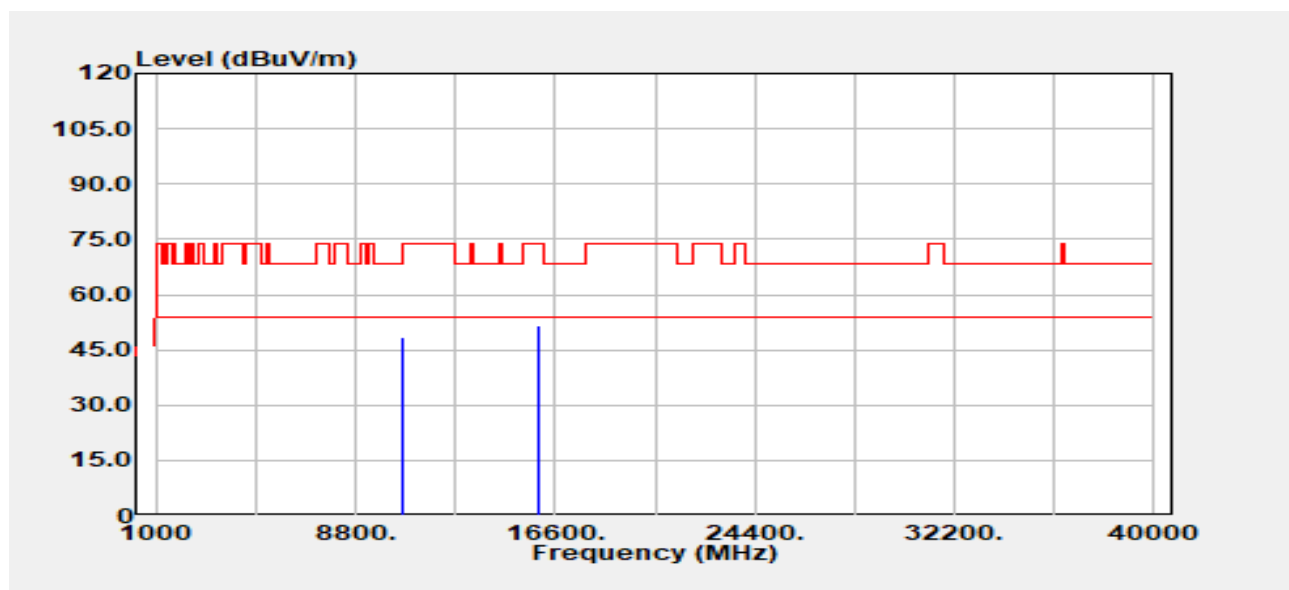


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10540.00	Peak	34.49	12.90	47.40	68.20	-20.80
15810.00	Peak	35.68	15.96	51.64	74.00	-22.36
15810.00	Average	26.30	15.96	42.26	54.00	-11.74

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band2
Frequency :5310 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

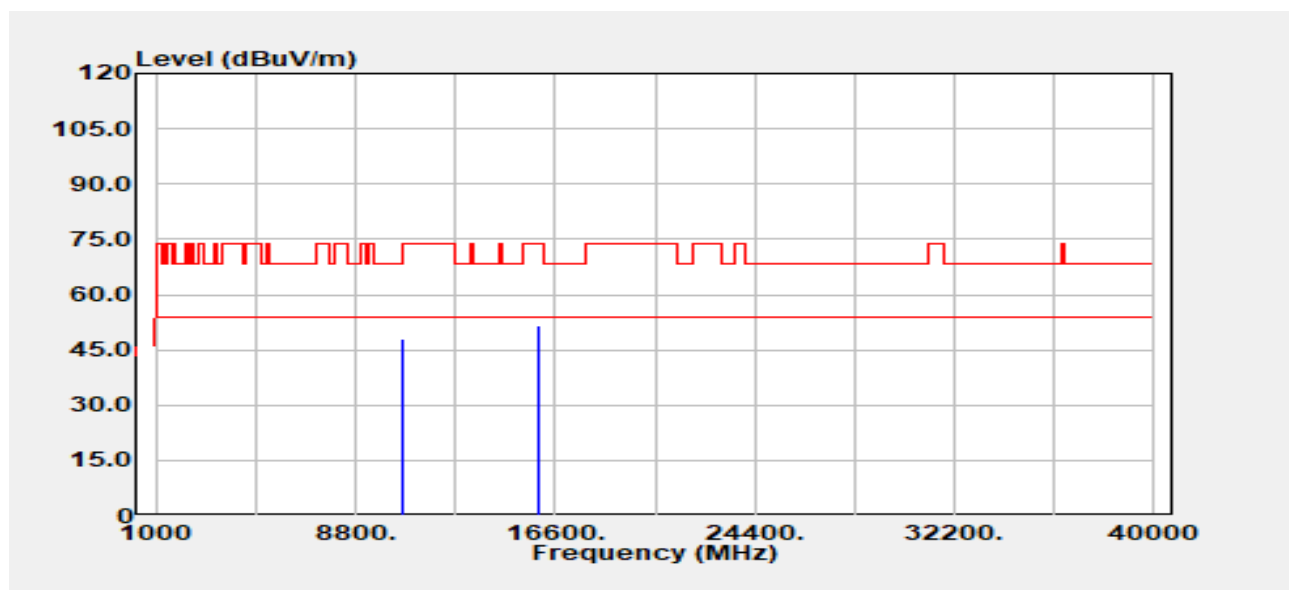


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level d μ V	Factor dB	Actual FS d μ V/m	Limit d μ V/m	Margin dB
10620.00	Peak	35.47	13.00	48.47	74.00	-25.53
10620.00	Average	30.30	13.00	43.30	54.00	-10.70
15930.00	Peak	34.71	16.94	51.65	74.00	-22.35
15930.00	Average	26.31	16.94	43.25	54.00	-10.75

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band2
Frequency :5310 MHz
Operation Mode :TX
EUT Pol :E2

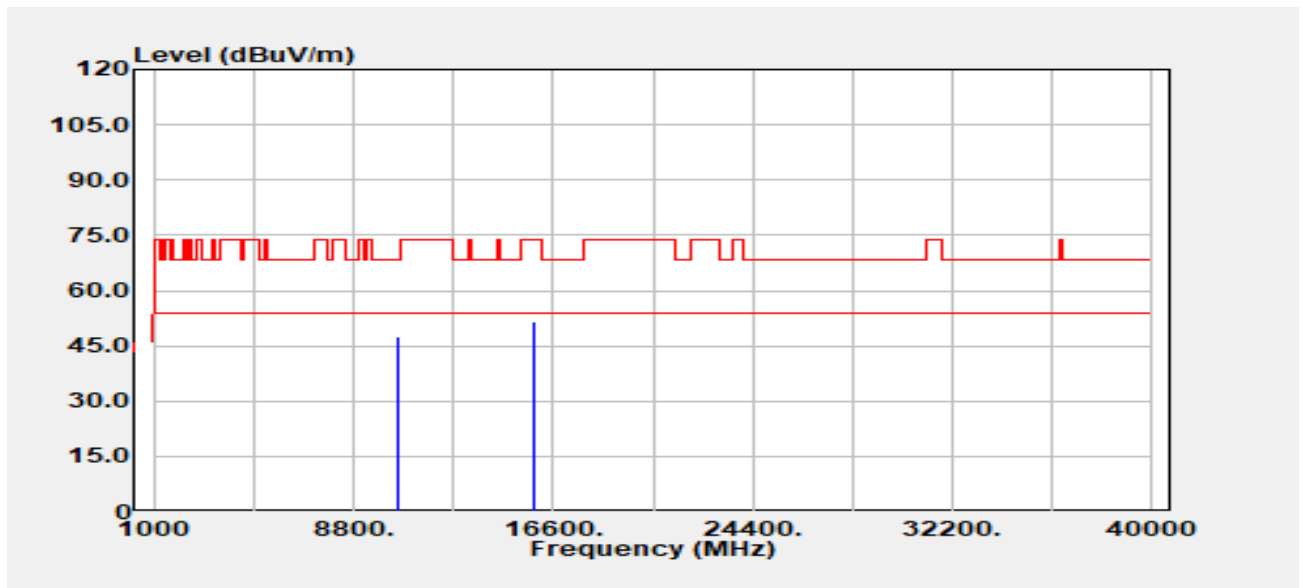
Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10620.00	Peak	35.14	13.00	48.14	74.00	-25.86
10620.00	Average	28.66	13.00	41.66	54.00	-12.34
15930.00	Peak	34.67	16.94	51.61	74.00	-22.39
15930.00	Average	26.10	16.94	43.04	54.00	-10.96

Project No :TM-2311000354P
Operation Band :802.11ac80/Band2
Frequency :5290 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

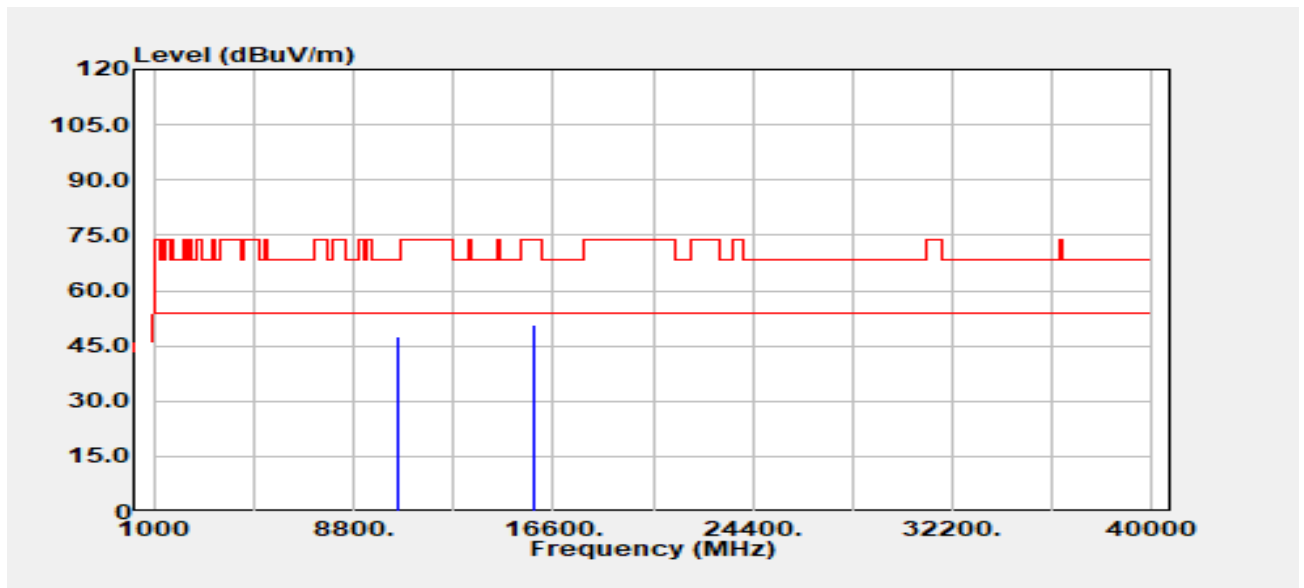


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10580.00	Peak	34.71	12.96	47.67	68.20	-20.53
15870.00	Peak	35.40	16.00	51.40	74.00	-22.60
15870.00	Average	26.65	16.00	42.65	54.00	-11.35

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band2
Frequency :5290 MHz
Operation Mode :TX
EUT Pol :E2

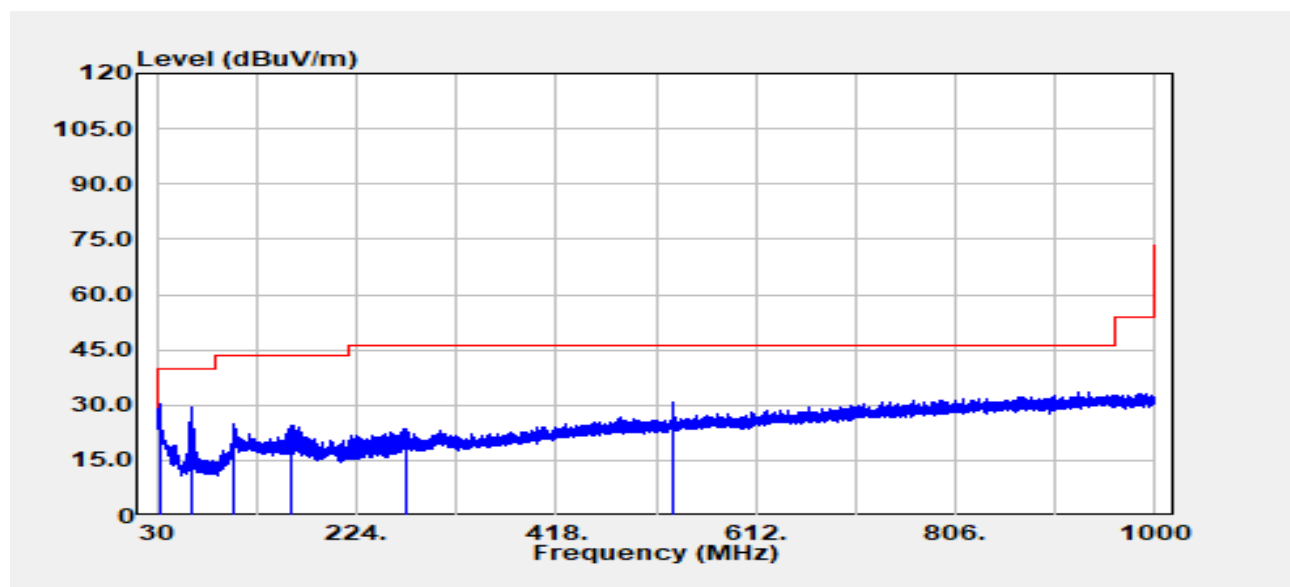
Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



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	34.52	12.96	47.48	68.20	-20.72
15870.00	Peak	34.68	16.00	50.68	74.00	-23.32
15870.00	Average	26.88	16.00	42.88	54.00	-11.12

Project No :TM-2311000354P
Operation Band :802.11n20/Band3
Frequency :5700 MHz
Operation Mode :TX
EUT Pol :E2

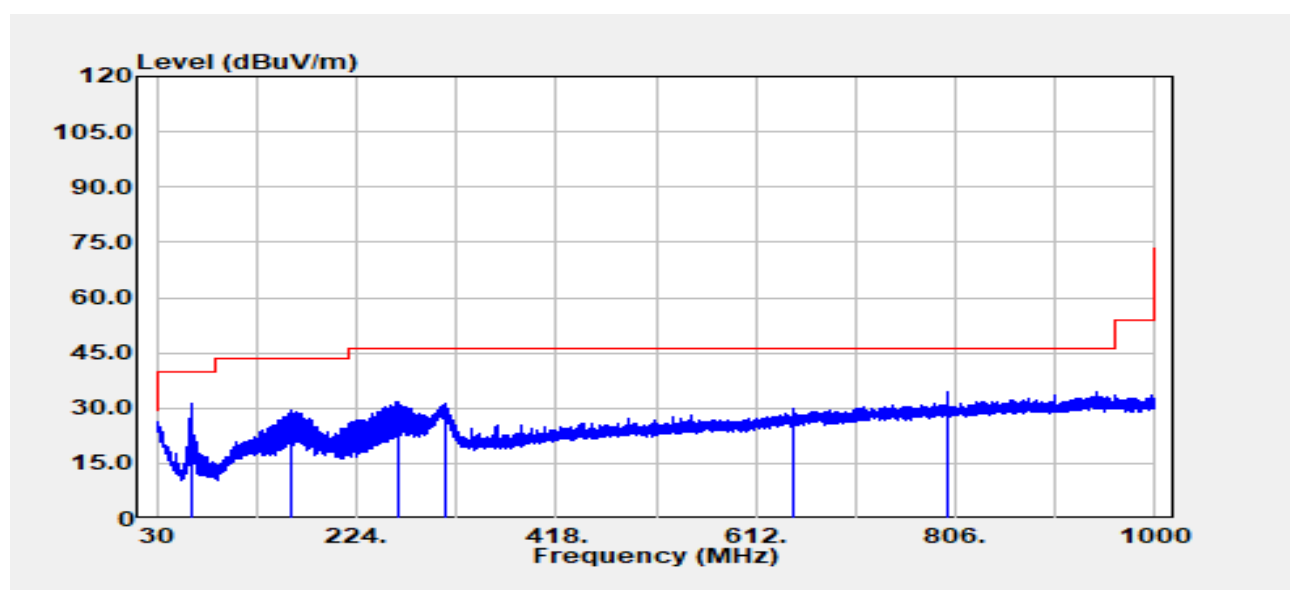
Test Date :2024-04-02
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
32.20	Peak	34.22	-3.74	30.48	40.00	-9.52
63.60	Peak	45.06	-15.45	29.61	40.00	-10.39
104.00	Peak	36.11	-11.40	24.71	43.50	-18.79
161.30	Peak	34.99	-10.55	24.44	43.50	-19.06
273.10	Peak	32.61	-8.86	23.75	46.00	-22.25
532.50	Peak	33.65	-2.95	30.70	46.00	-15.30

Project No :TM-2311000354P
Operation Band :802.11n20/Band3
Frequency :5700 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-02
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

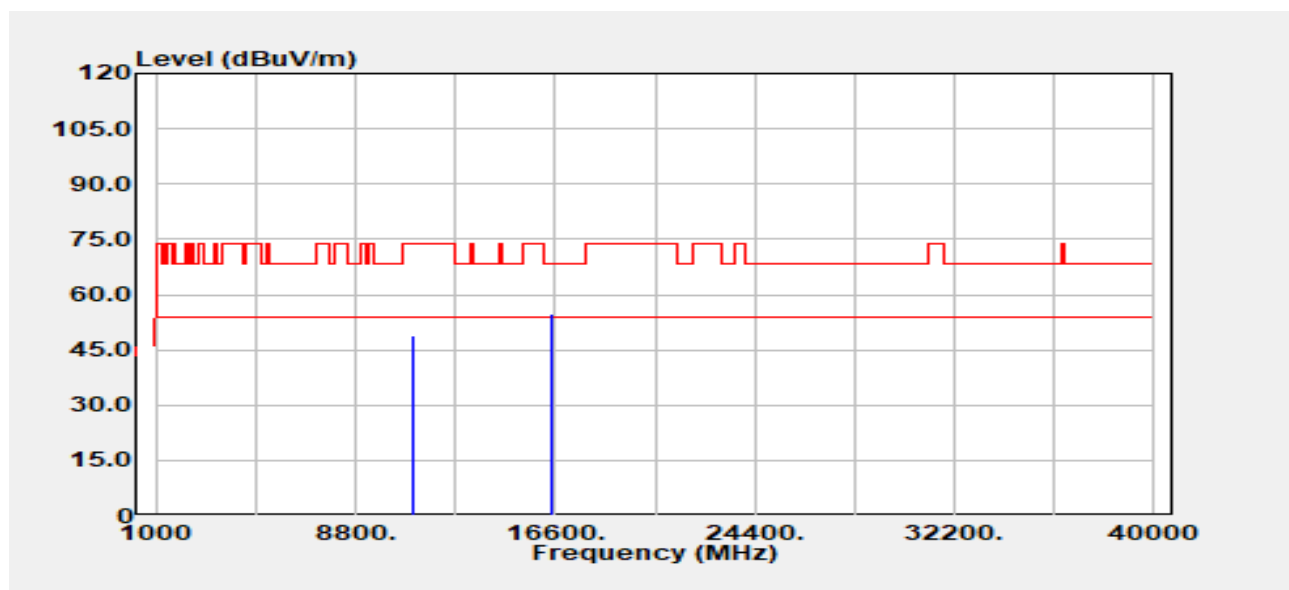


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBuV	Factor dB	Actual FS dBuV/m	Limit dBuV/m	Margin dB
63.60	Peak	46.74	-15.45	31.29	40.00	-8.71
160.10	Peak	40.00	-10.39	29.61	43.50	-13.89
265.90	Peak	41.23	-9.35	31.89	46.00	-14.11
309.60	Peak	39.44	-8.35	31.09	46.00	-14.91
649.10	Peak	30.78	-0.72	30.06	46.00	-15.94
799.20	Peak	32.95	1.48	34.43	46.00	-11.57

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band3
Frequency :5500 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-29
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

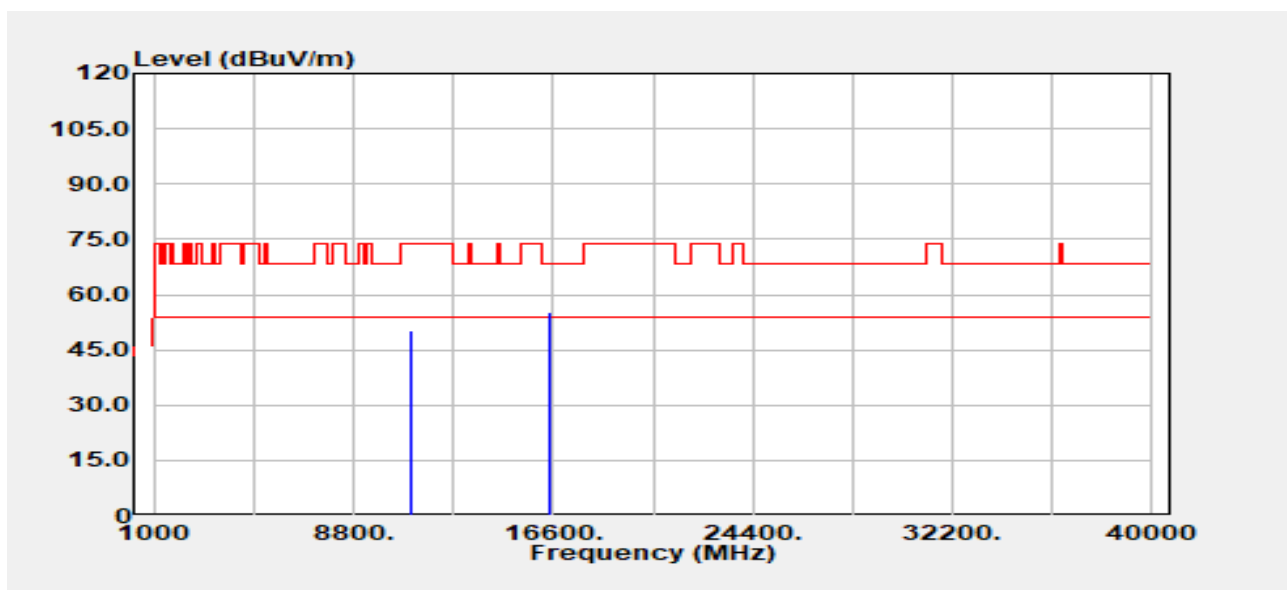


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11000.00	Peak	35.49	13.59	49.08	74.00	-24.92
11000.00	Average	30.34	13.59	43.93	54.00	-10.07
16500.00	Peak	33.50	21.16	54.66	68.20	-13.54

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band3
Frequency :5500 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-29
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

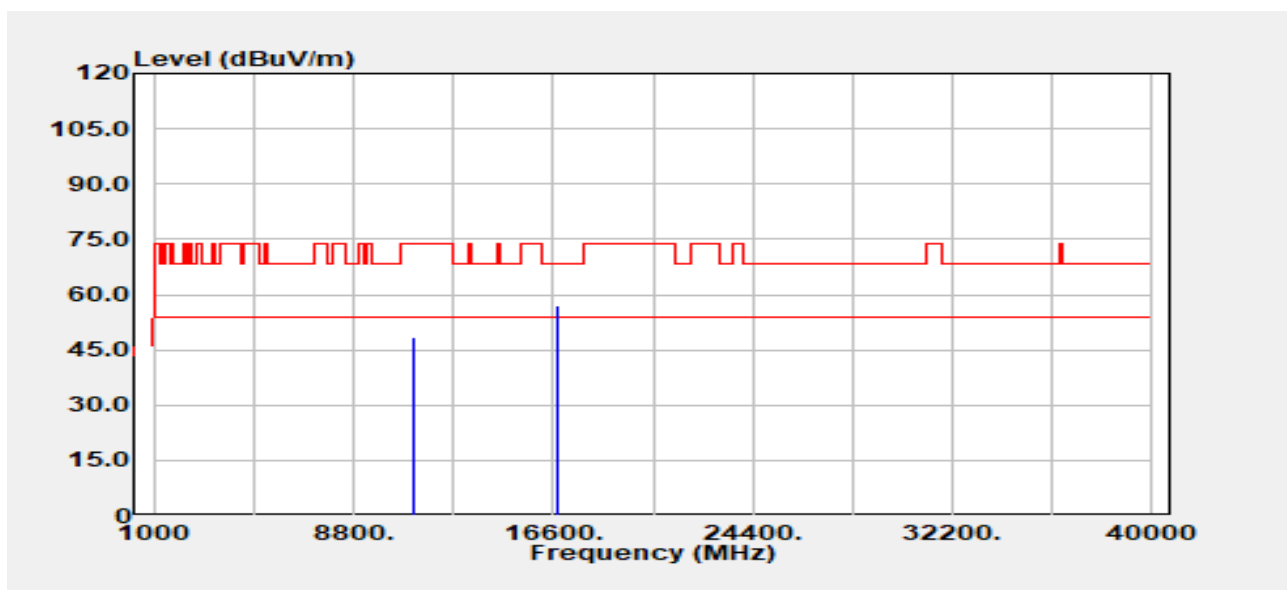


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11000.00	Peak	36.50	13.59	50.09	74.00	-23.91
11000.00	Average	29.31	13.59	42.90	54.00	-11.10
16500.00	Peak	33.98	21.16	55.14	68.20	-13.06

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band3
Frequency :5580 MHz
Operation Mode :TX
EUT Pol :E2

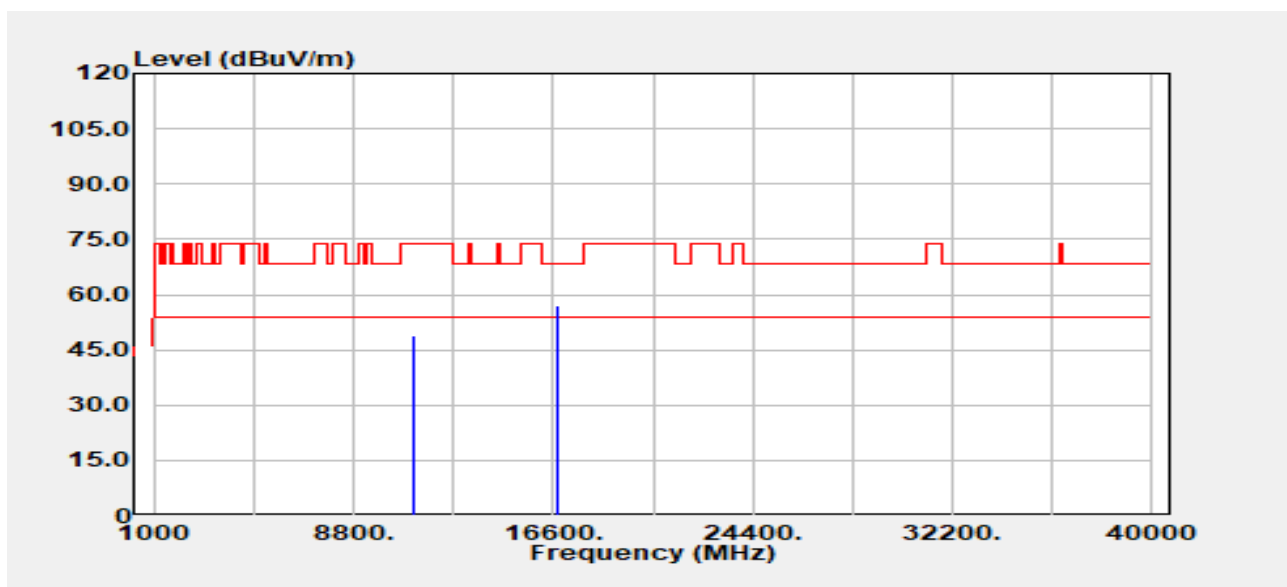
Test Date :2024-03-29
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



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	34.62	13.61	48.23	74.00	-25.77
11160.00	Average	28.87	13.61	42.48	54.00	-11.52
16740.00	Peak	34.31	22.60	56.92	68.20	-11.28

Project No :TM-2311000354P
Operation Band :802.11a/Band3
Frequency :5580 MHz
Operation Mode :TX
EUT Pol :E2

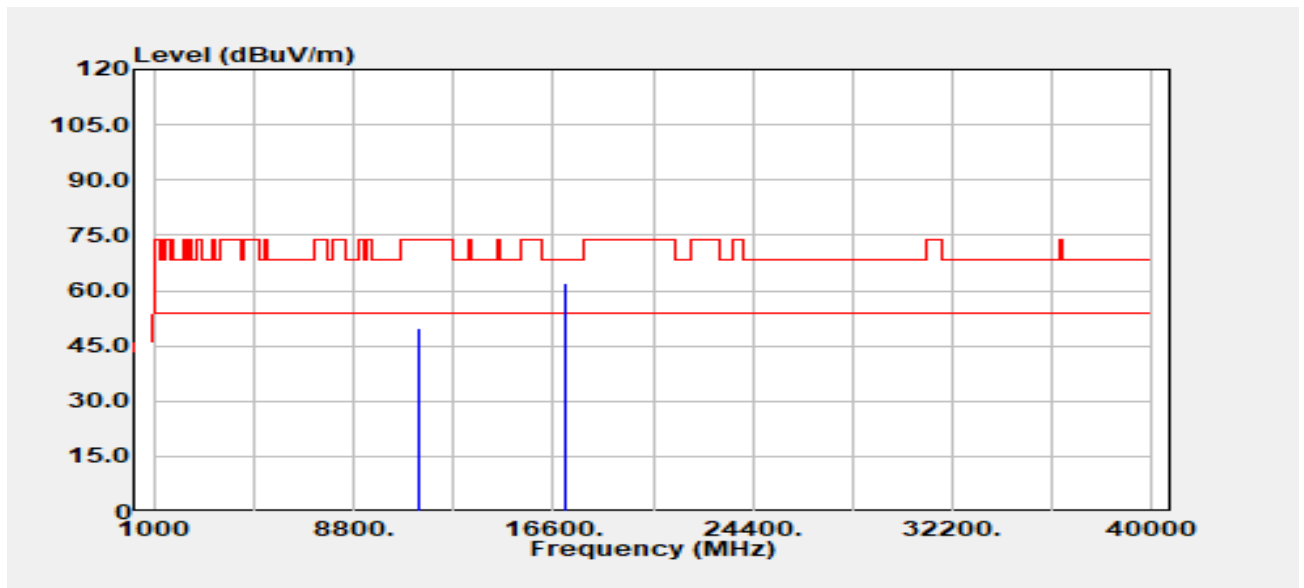
Test Date :2024-03-29
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



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	35.25	13.61	48.86	74.00	-25.14
11160.00	Average	30.12	13.61	43.73	54.00	-10.27
16740.00	Peak	34.54	22.60	57.14	68.20	-11.06

Project No :TM-2311000354P
 Operation Band :802.11a/Band3
 Frequency :5700 MHz
 Operation Mode :TX
 EUT Pol :E2

Test Date :2024-03-29
 Temp./Humi. :24.6/61
 Antenna Pol. :Vertical
 Engineer :Ray Li
 Test Chamber : 966A

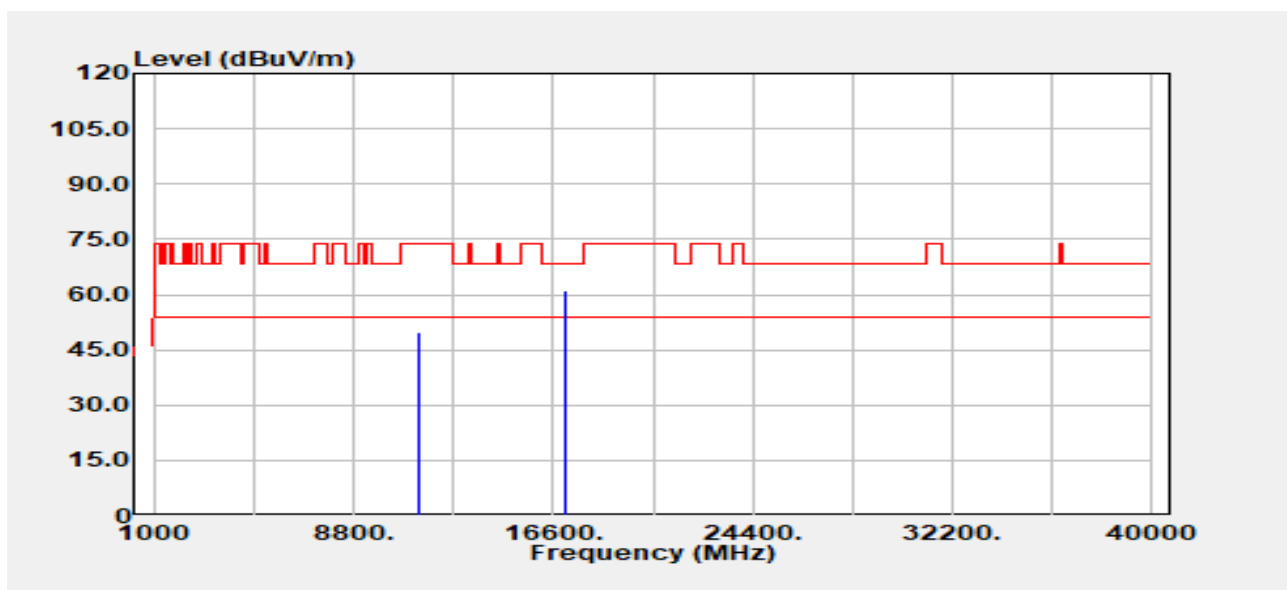


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11400.00	Peak	36.04	13.81	49.85	74.00	-24.15
11400.00	Average	30.13	13.81	43.94	54.00	-10.06
17100.00	Peak	34.31	27.61	61.92	68.20	-6.28

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band3
Frequency :5700 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-29
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

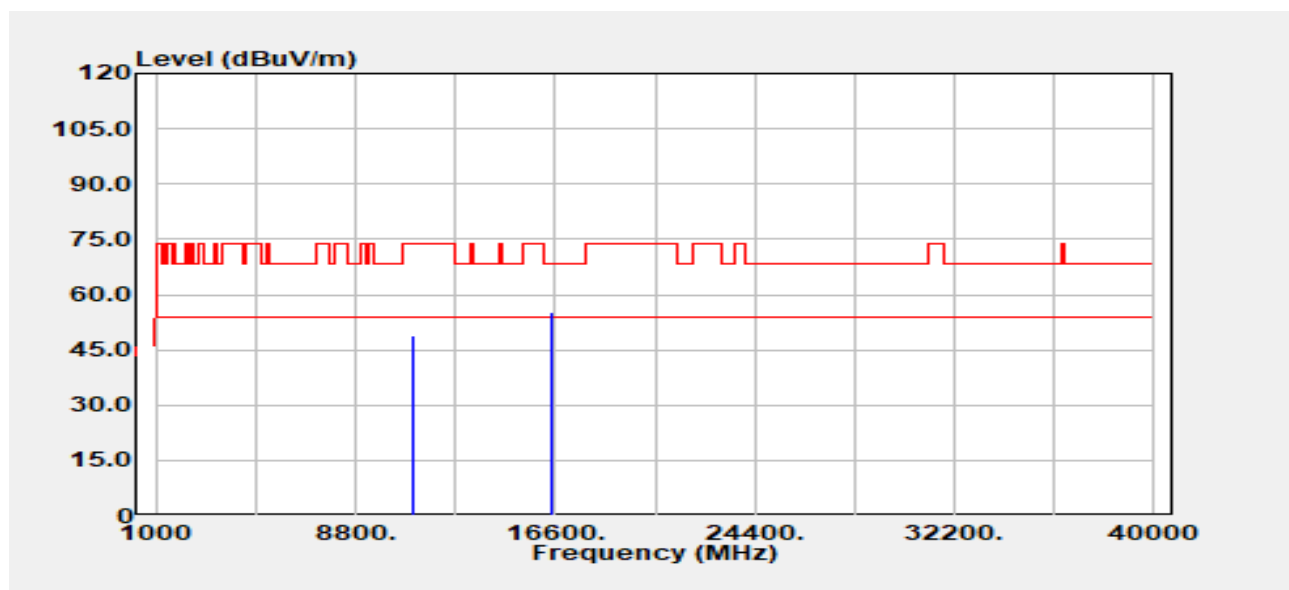


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11400.00	Peak	35.84	13.81	49.65	74.00	-24.35
11400.00	Average	29.10	13.81	42.91	54.00	-11.09
17100.00	Peak	33.61	27.61	61.22	68.20	-6.98

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band3
Frequency :5500 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

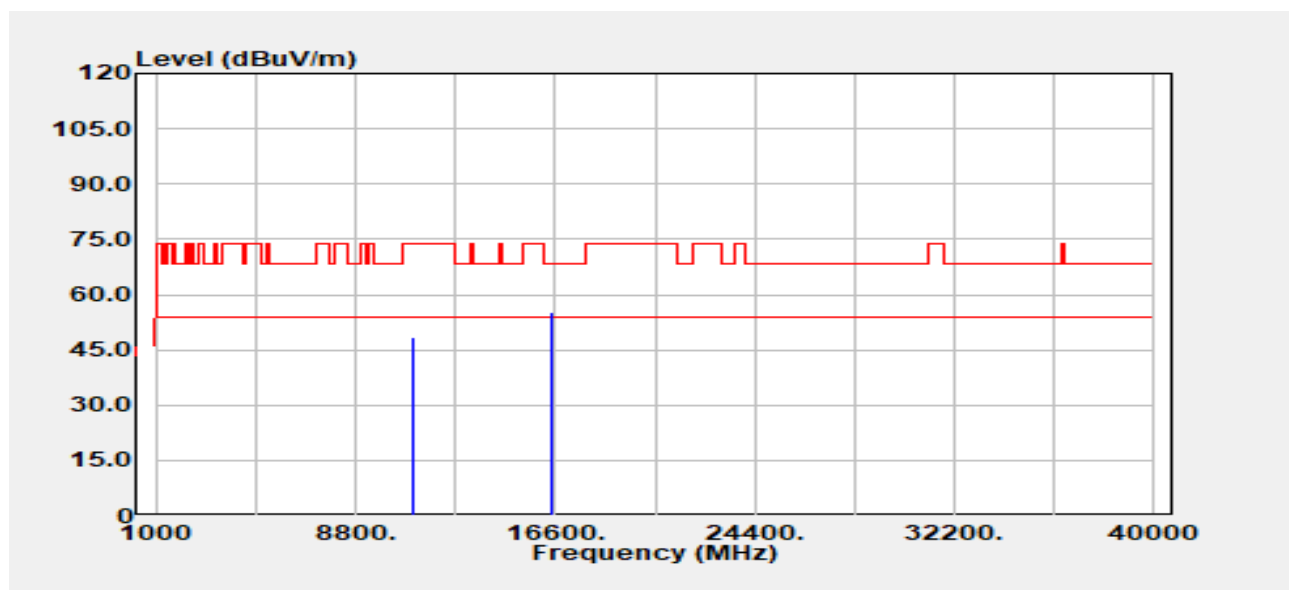


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11000.00	Peak	35.49	13.59	49.08	74.00	-24.92
11000.00	Average	30.20	13.59	43.79	54.00	-10.21
16500.00	Peak	33.90	21.16	55.06	68.20	-13.14

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band3
Frequency :5500 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

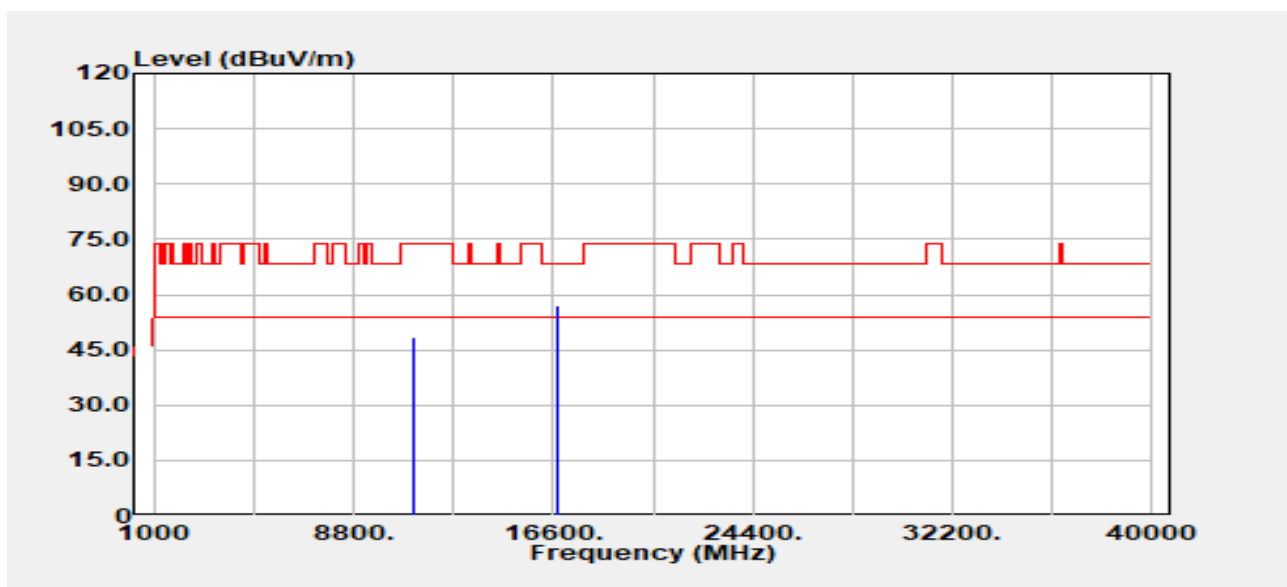


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11000.00	Peak	34.86	13.59	48.45	74.00	-25.55
11000.00	Average	29.65	13.59	43.24	54.00	-10.76
16500.00	Peak	34.17	21.16	55.33	68.20	-12.87

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band3
Frequency :5580 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

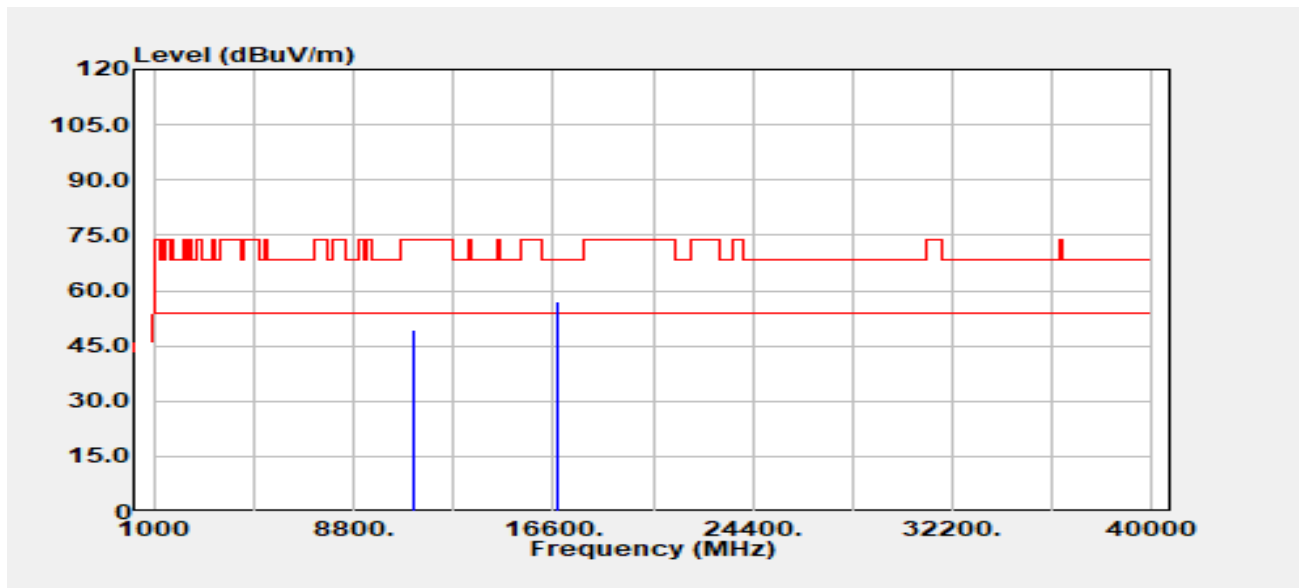


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11160.00	Peak	34.69	13.61	48.30	74.00	-25.70
11160.00	Average	28.40	13.61	42.01	54.00	-11.99
16740.00	Peak	34.56	22.60	57.16	68.20	-11.04

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band3
Frequency :5580 MHz
Operation Mode :TX
EUT Pol :E2

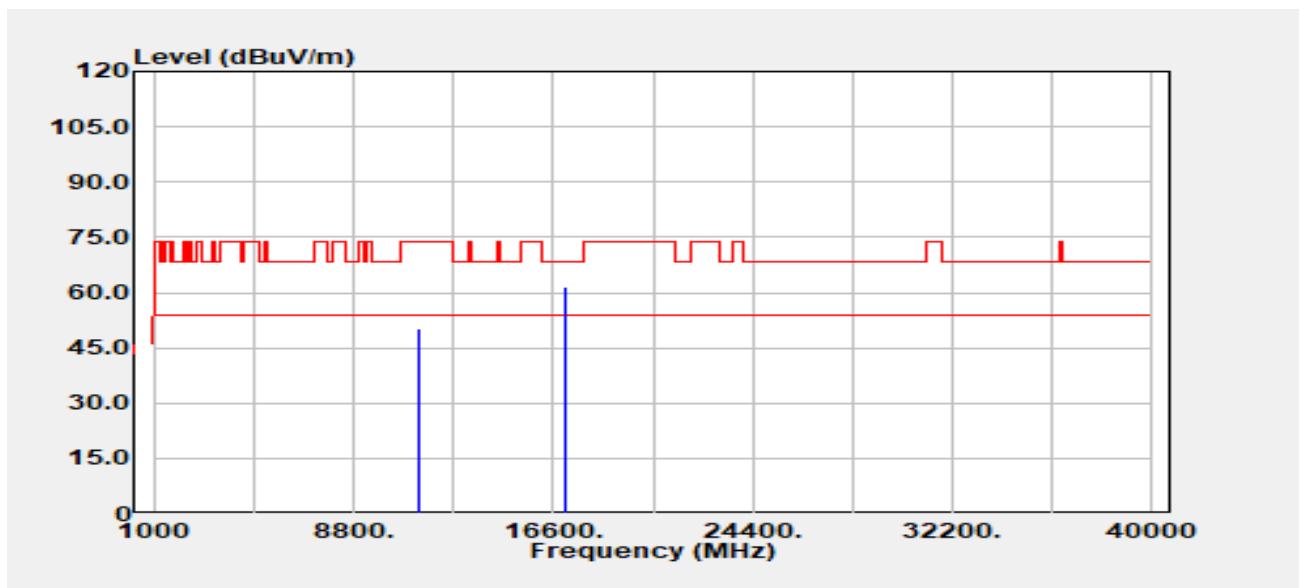
Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



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	35.58	13.61	49.19	74.00	-24.81
11160.00	Average	28.02	13.61	41.63	54.00	-12.37
16740.00	Peak	34.48	22.60	57.09	68.20	-11.11

Project No :TM-2311000354P
 Operation Band :802.11n20/Band3
 Frequency :5700 MHz
 Operation Mode :TX
 EUT Pol :E2

Test Date :2024-03-30
 Temp./Humi. :24.6/61
 Antenna Pol. :Vertical
 Engineer :Ray Li
 Test Chamber : 966A

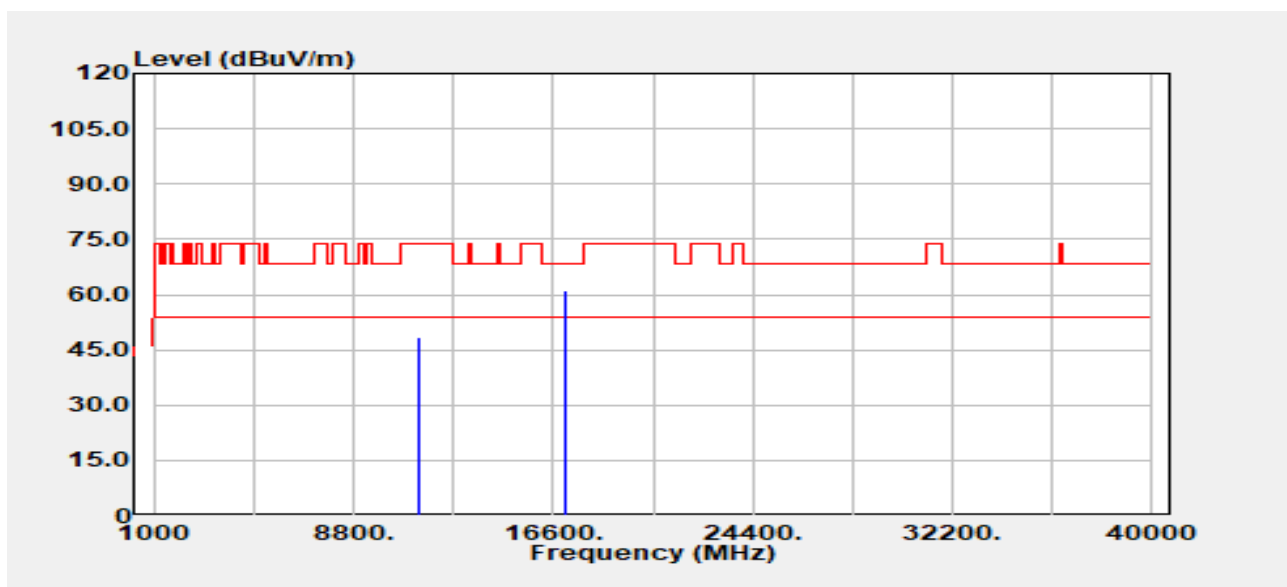


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11400.00	Peak	36.36	13.81	50.17	74.00	-23.83
11400.00	Average	29.59	13.81	43.40	54.00	-10.60
17100.00	Peak	33.97	27.61	61.58	68.20	-6.62

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band3
Frequency :5700 MHz
Operation Mode :TX
EUT Pol :E2

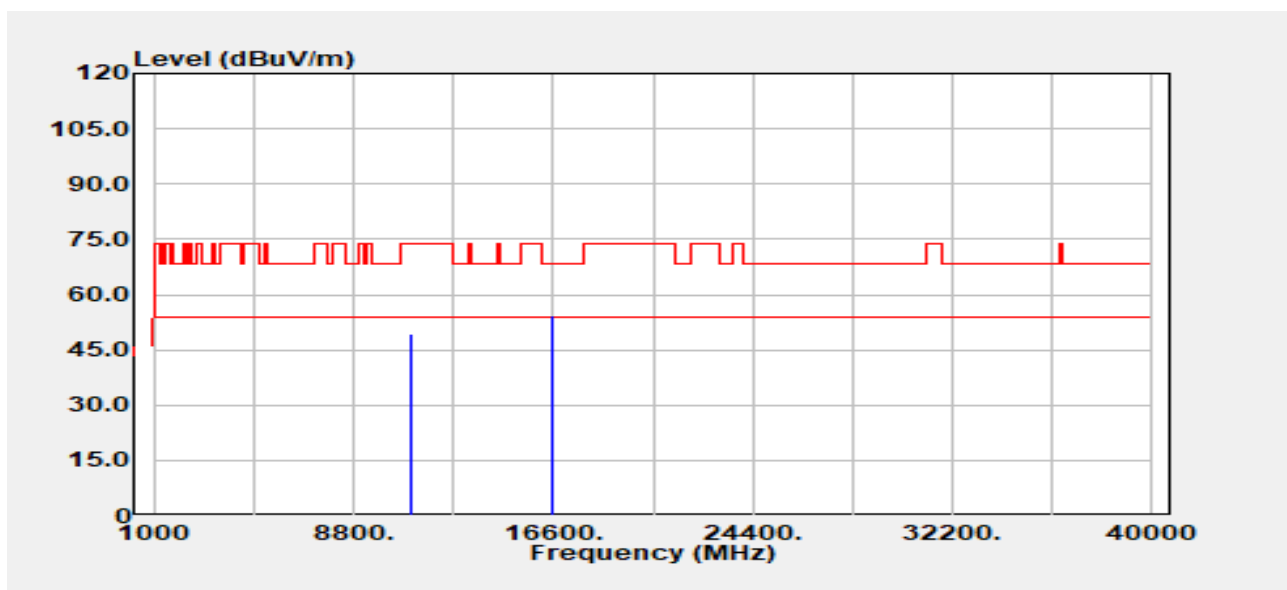
Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11400.00	Peak	34.66	13.81	48.47	74.00	-25.53
11400.00	Average	29.61	13.81	43.42	54.00	-10.58
17100.00	Peak	33.74	27.61	61.35	68.20	-6.85

Project No :TM-2311000354P
 Operation Band :802.11n40/Band3
 Frequency :5510 MHz
 Operation Mode :TX
 EUT Pol :E2

Test Date :2024-04-01
 Temp./Humi. :24.4/58
 Antenna Pol. :VERTICAL
 Engineer :Tony Chao
 Test Chamber : 966A

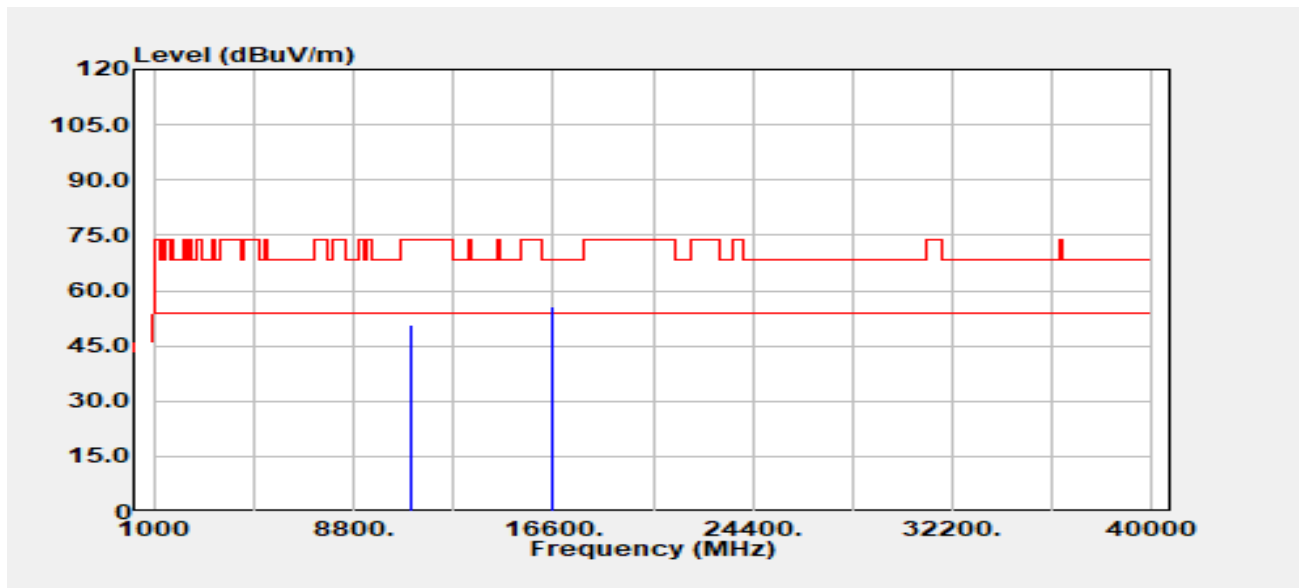


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11020.00	Peak	35.49	13.75	49.23	74.00	-24.77
11020.00	Average	29.60	13.75	43.35	54.00	-10.65
16530.00	Peak	33.26	20.98	54.23	68.20	-13.97

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band3
Frequency :5510 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

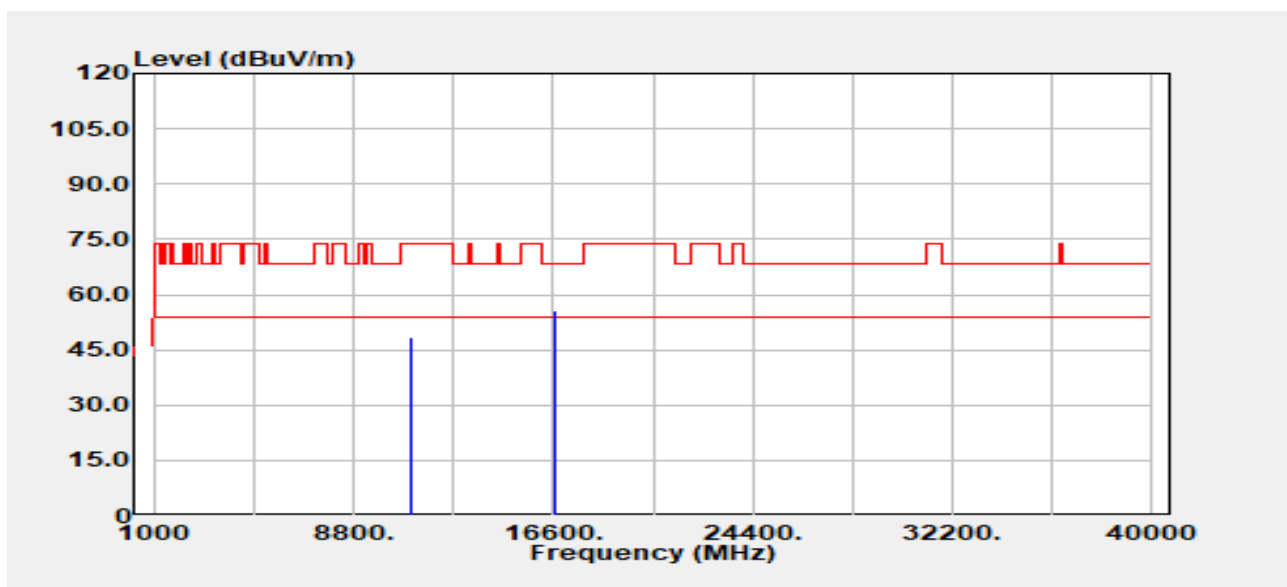


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11020.00	Peak	37.03	13.75	50.78	74.00	-23.22
11020.00	Average	28.73	13.75	42.48	54.00	-11.52
16530.00	Peak	34.63	20.98	55.61	68.20	-12.59

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band3
Frequency :5550 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

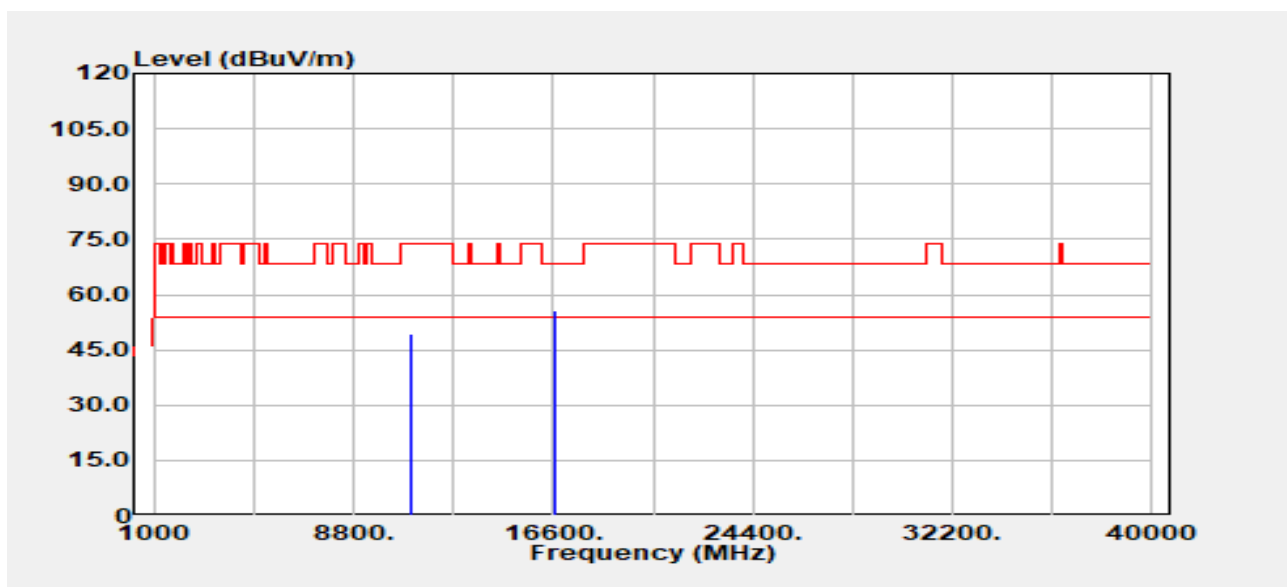


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11100.00	Peak	34.69	13.93	48.62	74.00	-25.38
11100.00	Average	29.13	13.93	43.06	54.00	-10.94
16650.00	Peak	34.01	21.52	55.53	68.20	-12.67

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band3
Frequency :5550 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

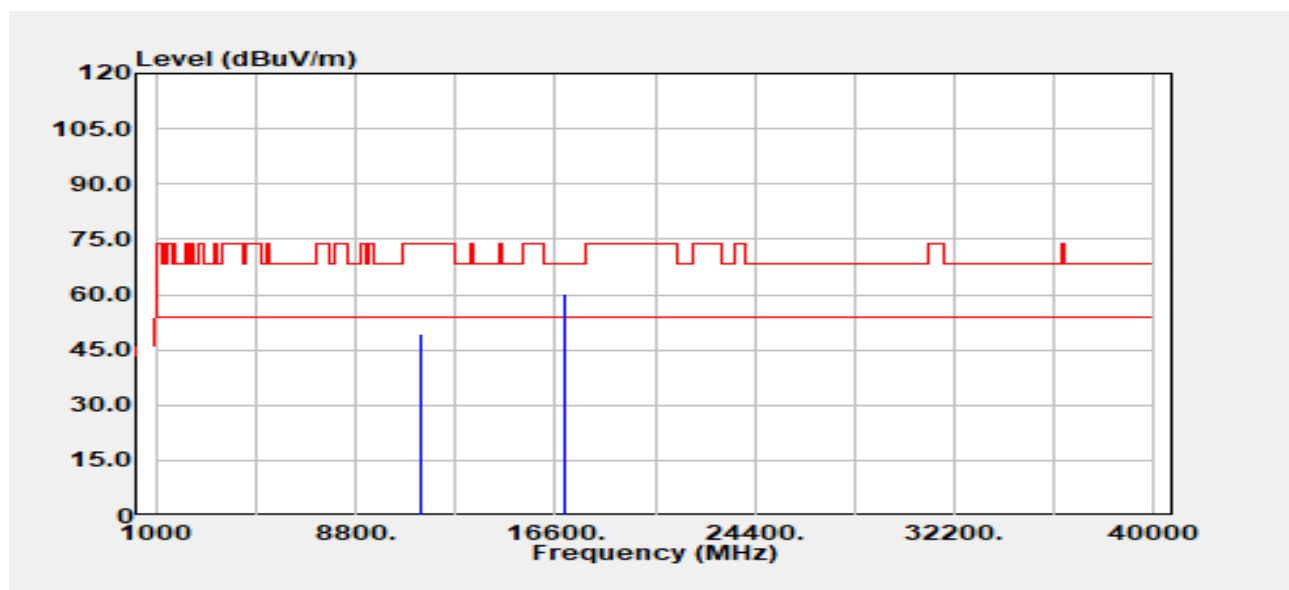


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11100.00	Peak	35.62	13.93	49.55	74.00	-24.45
11100.00	Average	28.63	13.93	42.56	54.00	-11.44
16650.00	Peak	34.22	21.52	55.74	68.20	-12.46

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band3
Frequency :5670 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

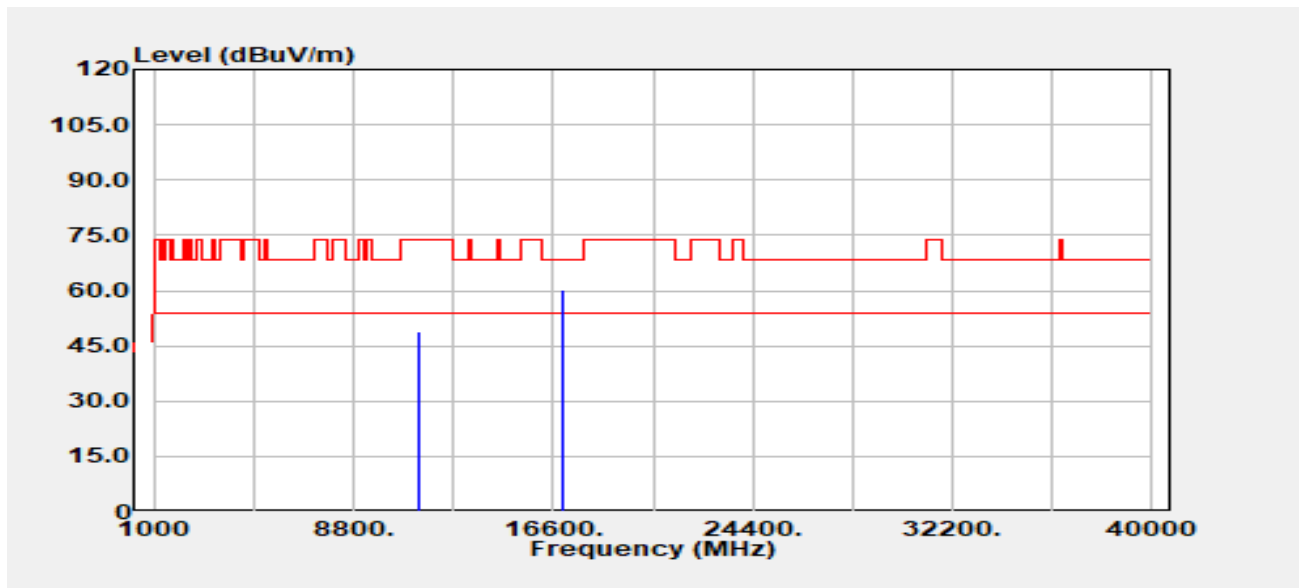


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11340.00	Peak	35.36	13.87	49.23	74.00	-24.77
11340.00	Average	29.20	13.87	43.07	54.00	-10.93
17010.00	Peak	33.50	26.82	60.32	68.20	-7.88

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band3
Frequency :5670 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

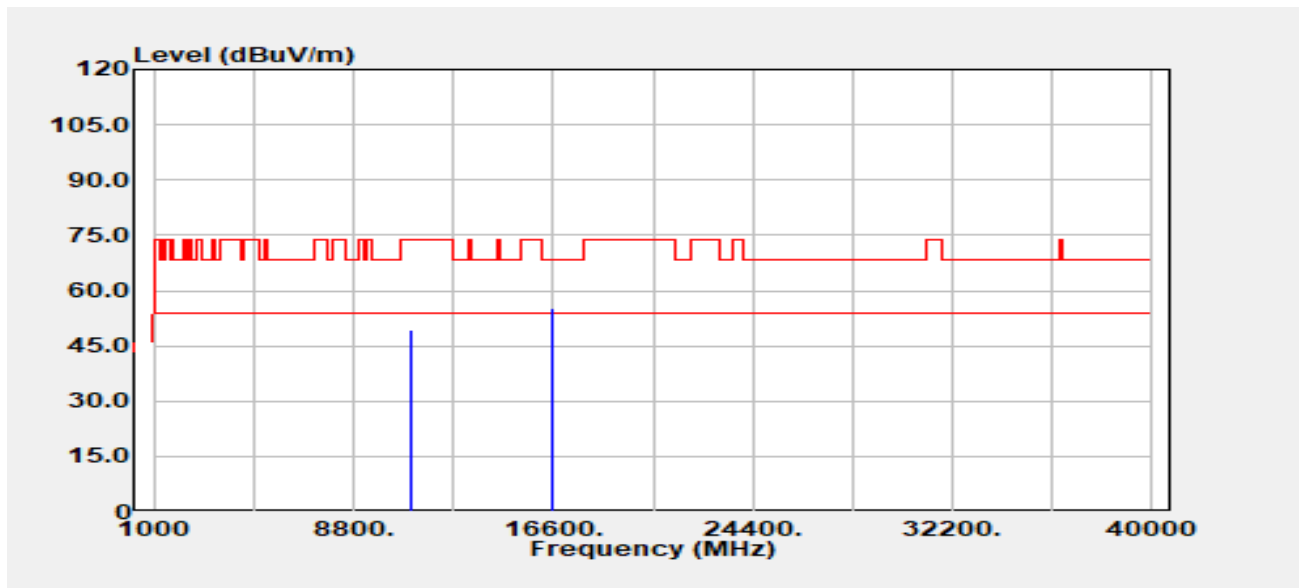


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11340.00	Peak	34.90	13.87	48.77	74.00	-25.23
11340.00	Average	26.63	13.87	40.50	54.00	-13.50
17010.00	Peak	33.39	26.82	60.22	68.20	-7.98

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band3
Frequency :5530 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

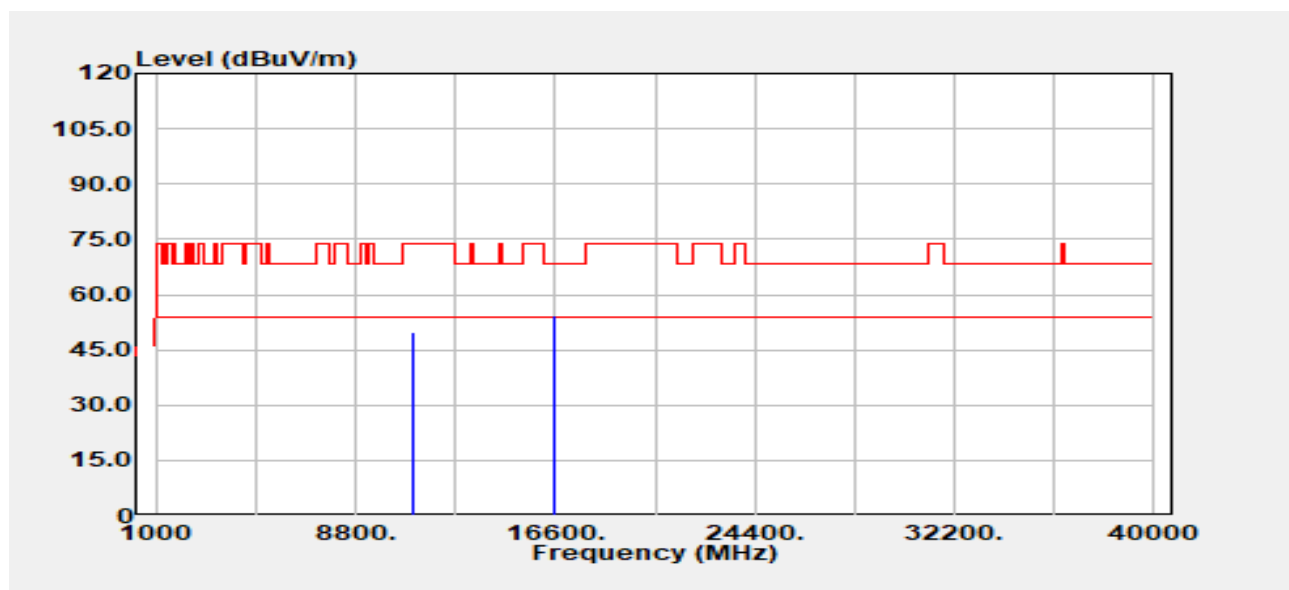


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11060.00	Peak	35.31	13.97	49.28	74.00	-24.72
11060.00	Average	28.73	13.97	42.70	54.00	-11.30
16590.00	Peak	34.05	21.10	55.15	68.20	-13.05

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band3
Frequency :5530 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A

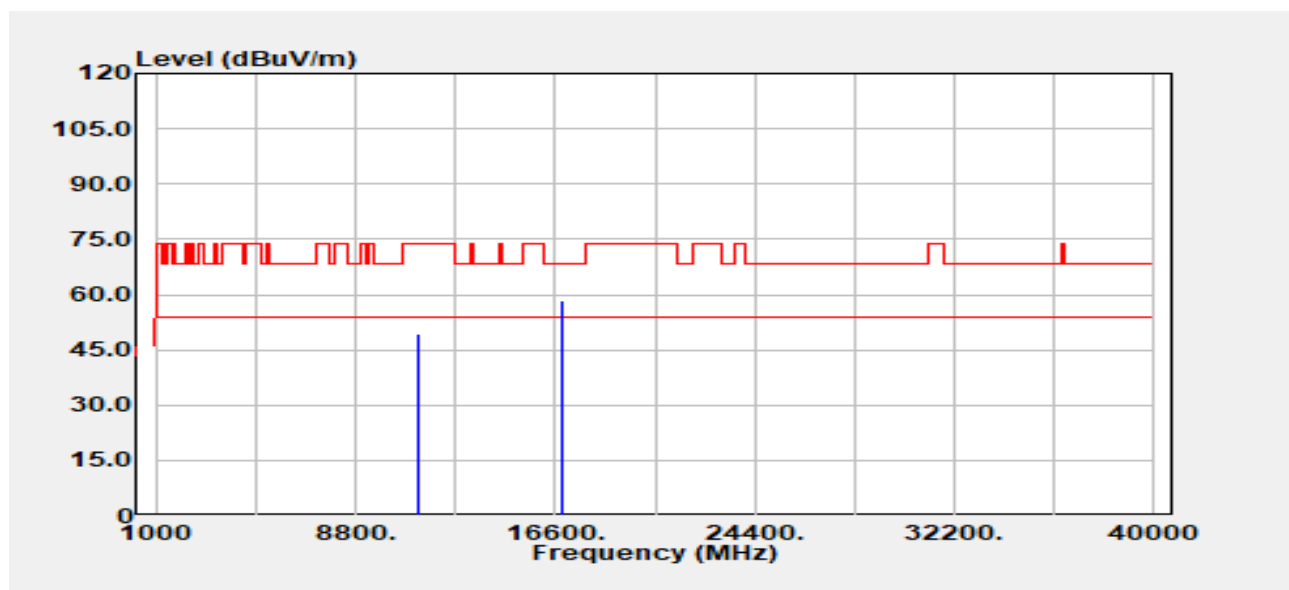


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11060.00	Peak	35.93	13.97	49.90	74.00	-24.10
11060.00	Average	28.71	13.97	42.68	54.00	-11.32
16590.00	Peak	33.46	21.10	54.56	68.20	-13.64

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band3
Frequency :5610 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

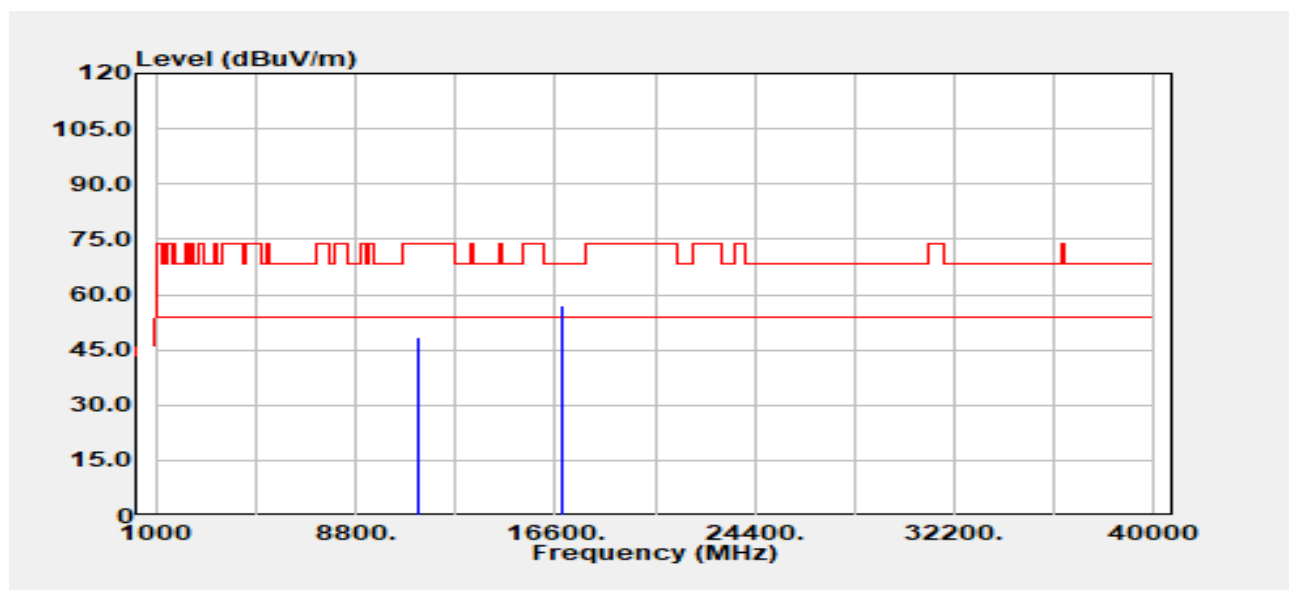


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11220.00	Peak	35.43	13.87	49.31	74.00	-24.69
11220.00	Average	28.46	13.87	42.33	54.00	-11.67
16830.00	Peak	34.36	24.12	58.47	68.20	-9.73

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band3
Frequency :5610 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

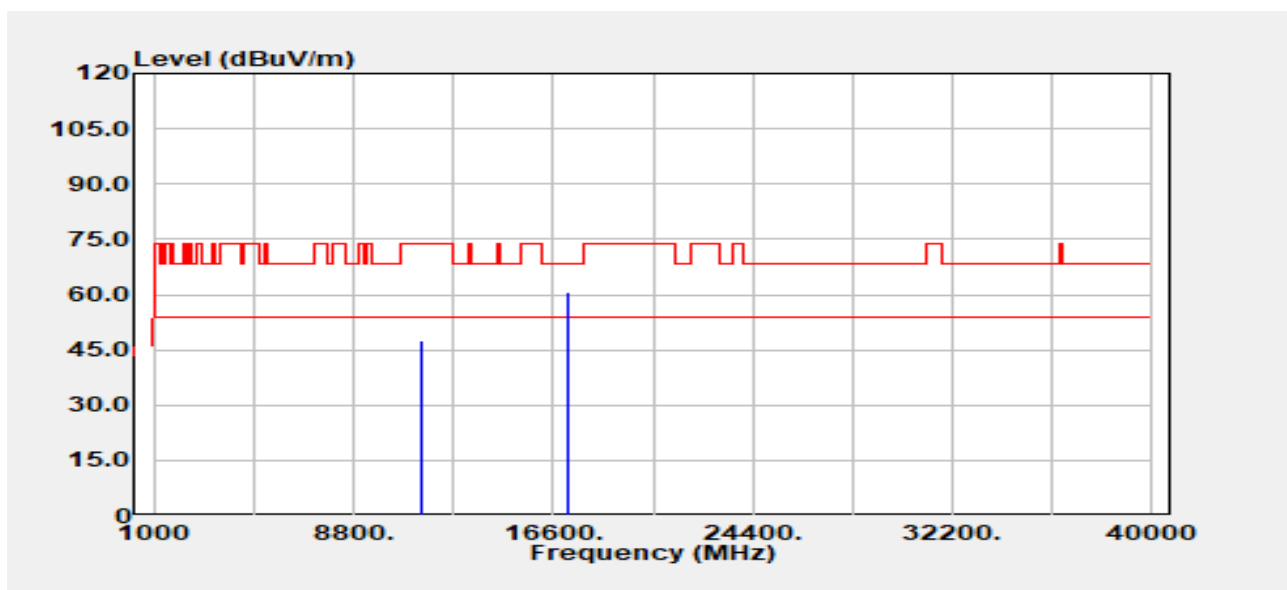


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11220.00	Peak	34.62	13.87	48.50	74.00	-25.50
11220.00	Average	28.01	13.87	41.88	54.00	-12.12
16830.00	Peak	32.92	24.12	57.03	68.20	-11.17

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band3~4
Frequency :5720 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-29
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

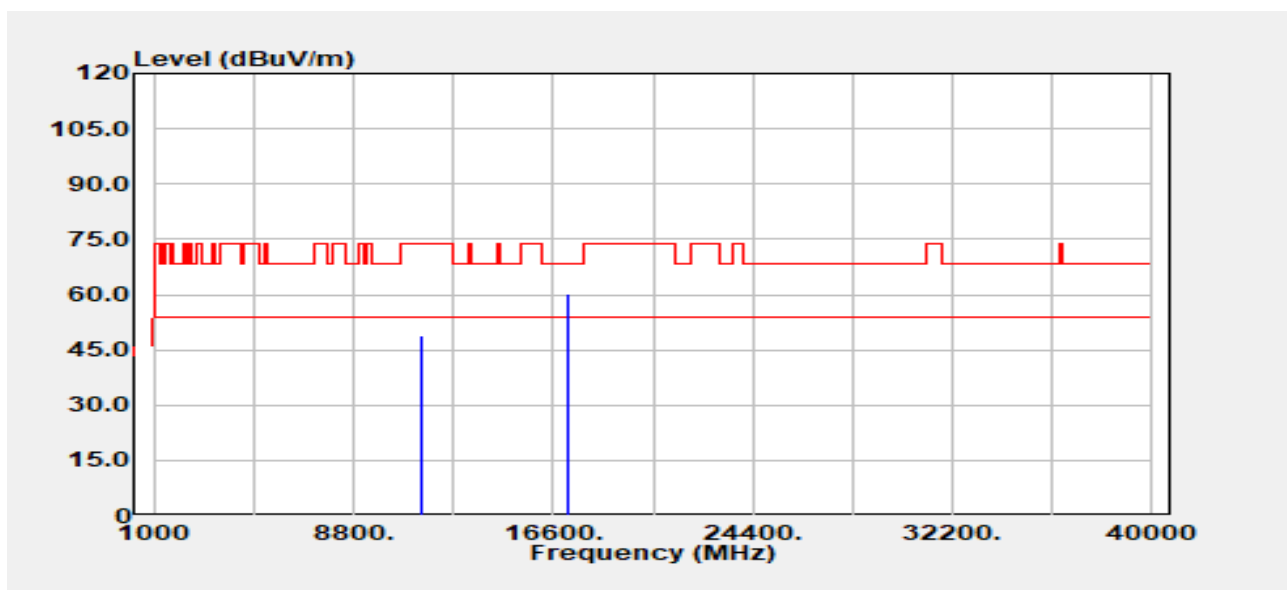


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11440.00	Peak	33.97	13.53	47.51	74.00	-26.49
11440.00	Average	30.20	13.53	43.73	54.00	-10.27
17160.00	Peak	32.41	28.36	60.76	68.20	-7.44

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band3~4
Frequency :5720 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-29
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

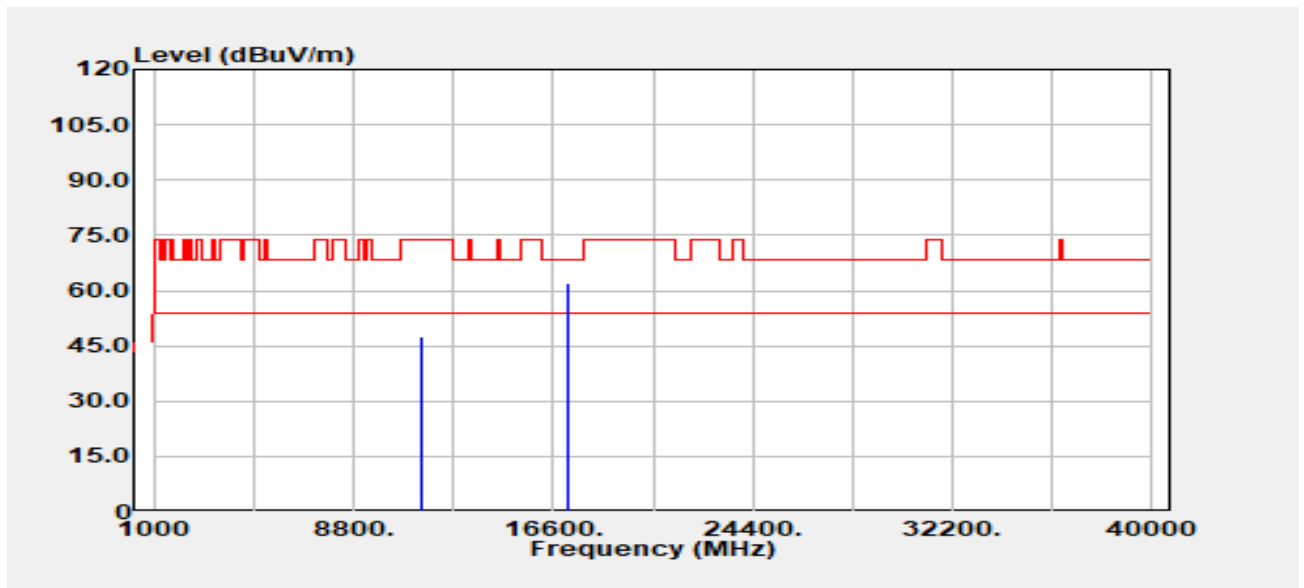


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11440.00	Peak	35.33	13.53	48.87	74.00	-25.13
11440.00	Average	29.24	13.53	42.78	54.00	-11.22
17160.00	Peak	31.85	28.36	60.21	68.20	-7.99

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band3~4
Frequency :5720 MHz
Operation Mode :TX
EUT Pol :E2

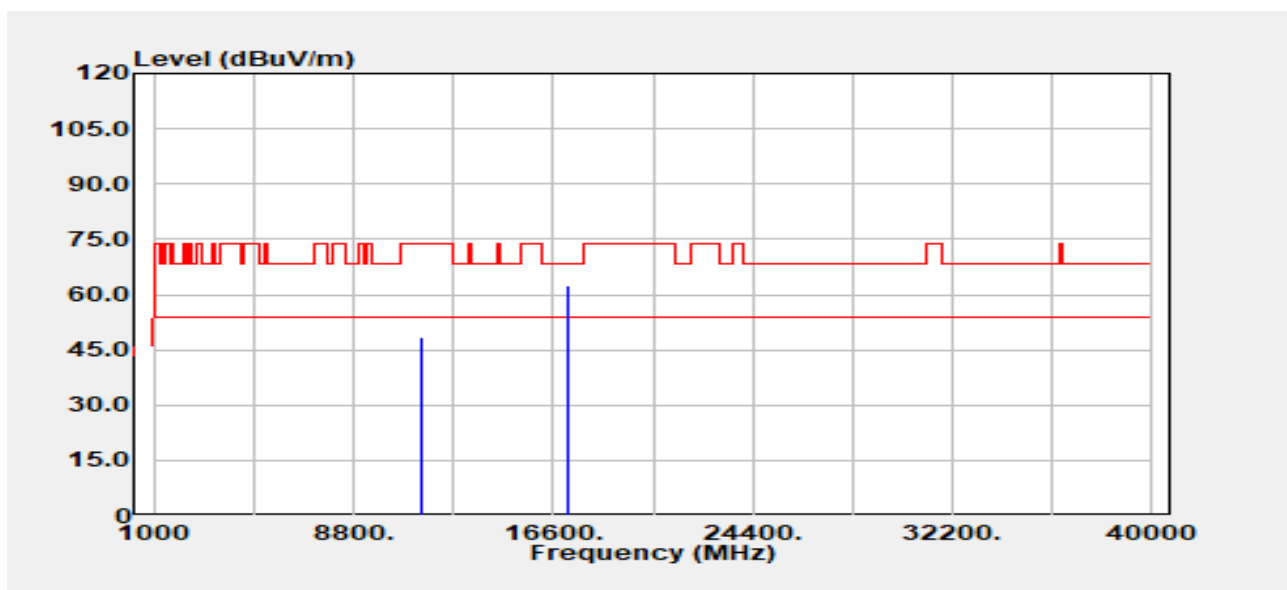
Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



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	34.04	13.53	47.58	74.00	-26.42
11440.00	Average	30.25	13.53	43.78	54.00	-10.22
17160.00	Peak	33.60	28.36	61.95	68.20	-6.25

Project No :TM-2311000354P
 Operation Band :802.11n20/Band3~4
 Frequency :5720 MHz
 Operation Mode :TX
 EUT Pol :E2

Test Date :2024-03-30
 Temp./Humi. :24.6/61
 Antenna Pol. :Horizontal
 Engineer :Ray Li
 Test Chamber : 966A

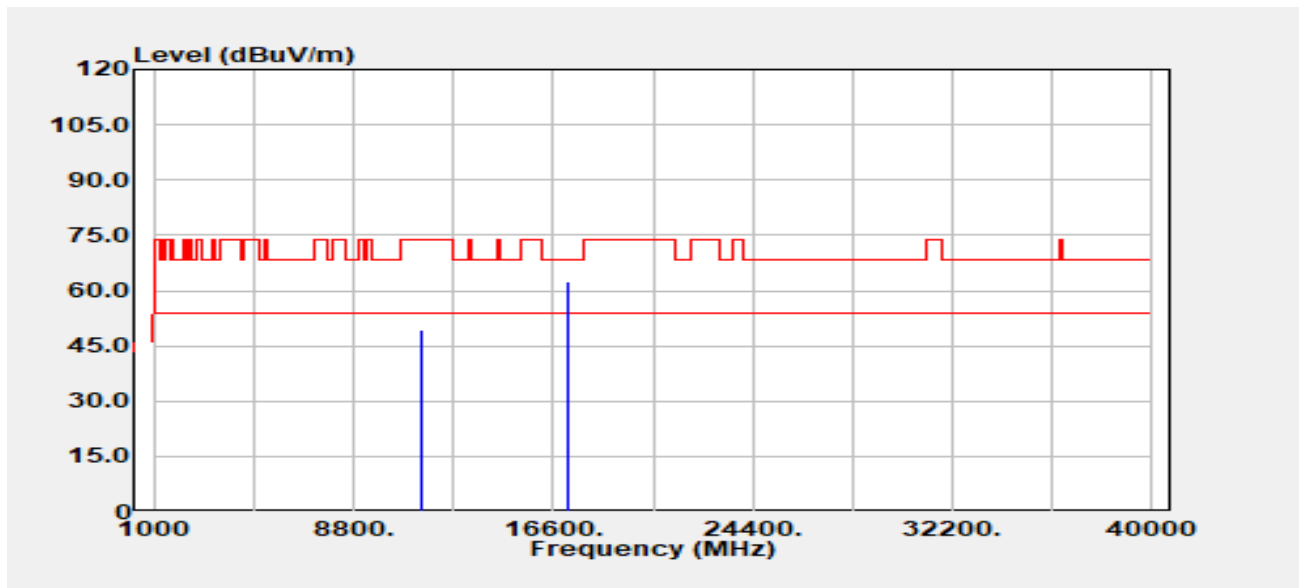


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11440.00	Peak	34.77	13.53	48.30	74.00	-25.70
11440.00	Average	29.20	13.53	42.74	54.00	-11.26
17160.00	Peak	33.98	28.36	62.34	68.20	-5.86

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band3~4
Frequency :5710 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

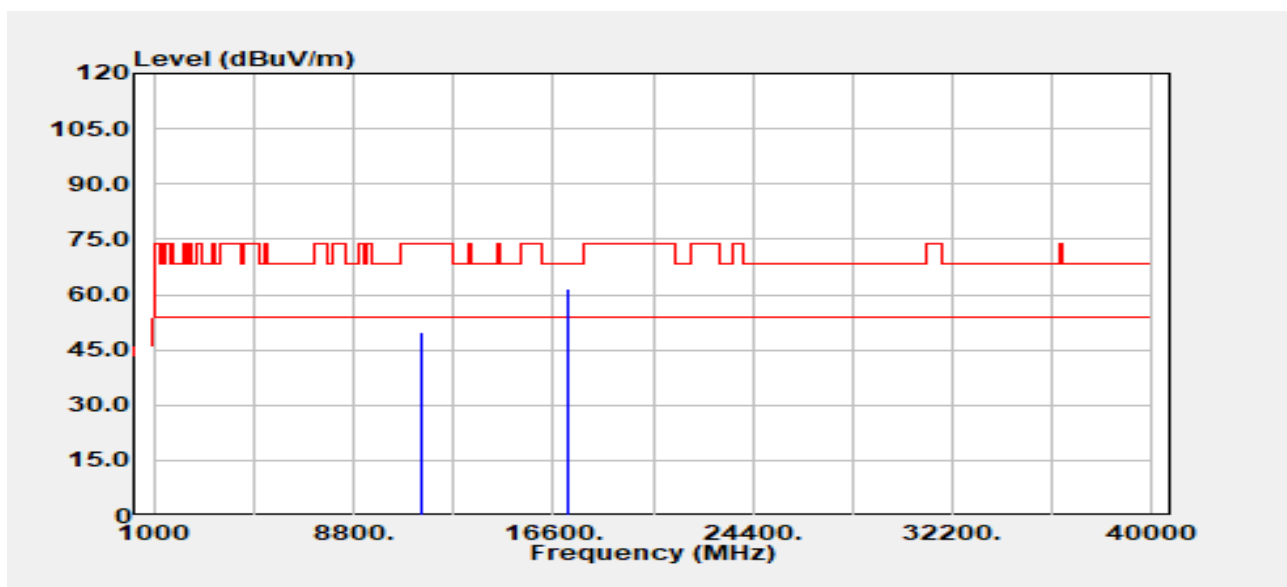


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11420.00	Peak	35.62	13.67	49.29	74.00	-24.71
11420.00	Average	28.40	13.67	42.07	54.00	-11.93
17130.00	Peak	34.38	28.11	62.49	68.20	-5.71

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band3~4
Frequency :5710 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

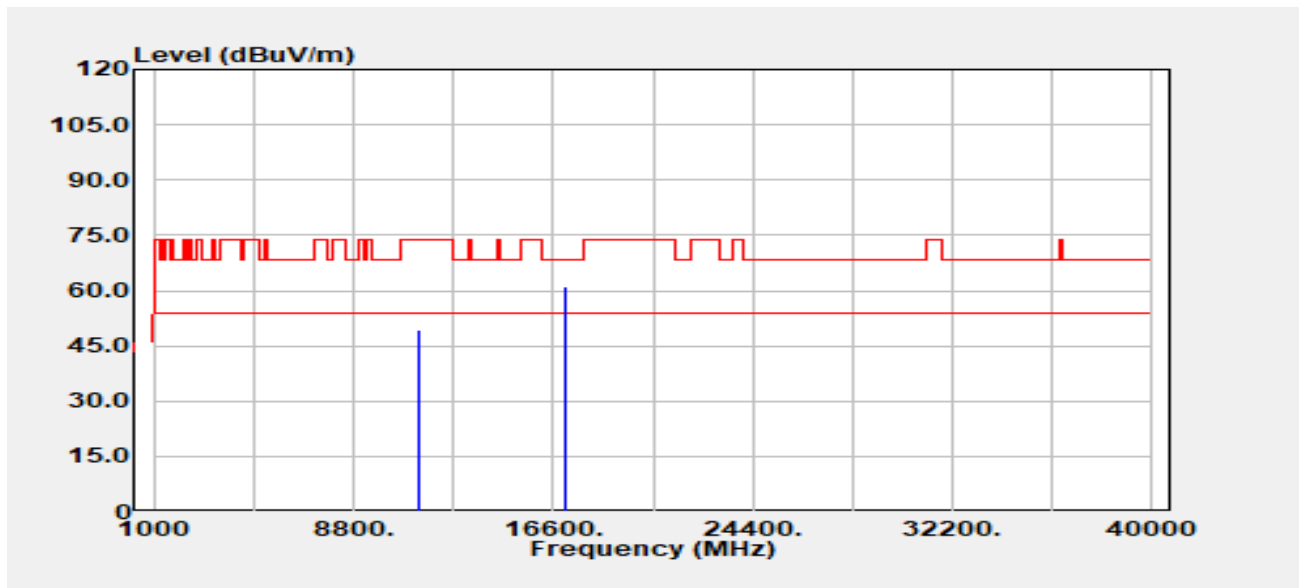


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11420.00	Peak	36.28	13.67	49.96	74.00	-24.04
11420.00	Average	28.25	13.67	41.92	54.00	-12.08
17130.00	Peak	33.62	28.11	61.72	68.20	-6.48

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band3~4
Frequency :5690 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

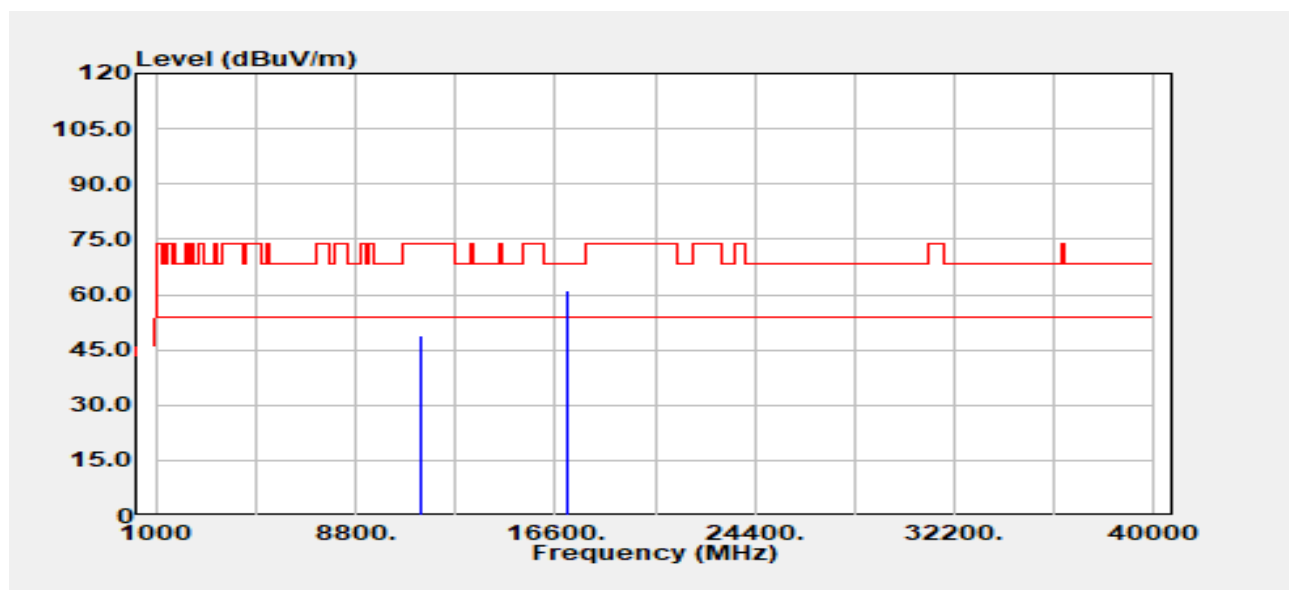


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11380.00	Peak	35.66	13.83	49.49	74.00	-24.51
11380.00	Average	29.20	13.83	43.03	54.00	-10.97
17070.00	Peak	33.81	27.31	61.12	68.20	-7.08

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band3~4
Frequency :5690 MHz
Operation Mode :TX
EUT Pol :E2

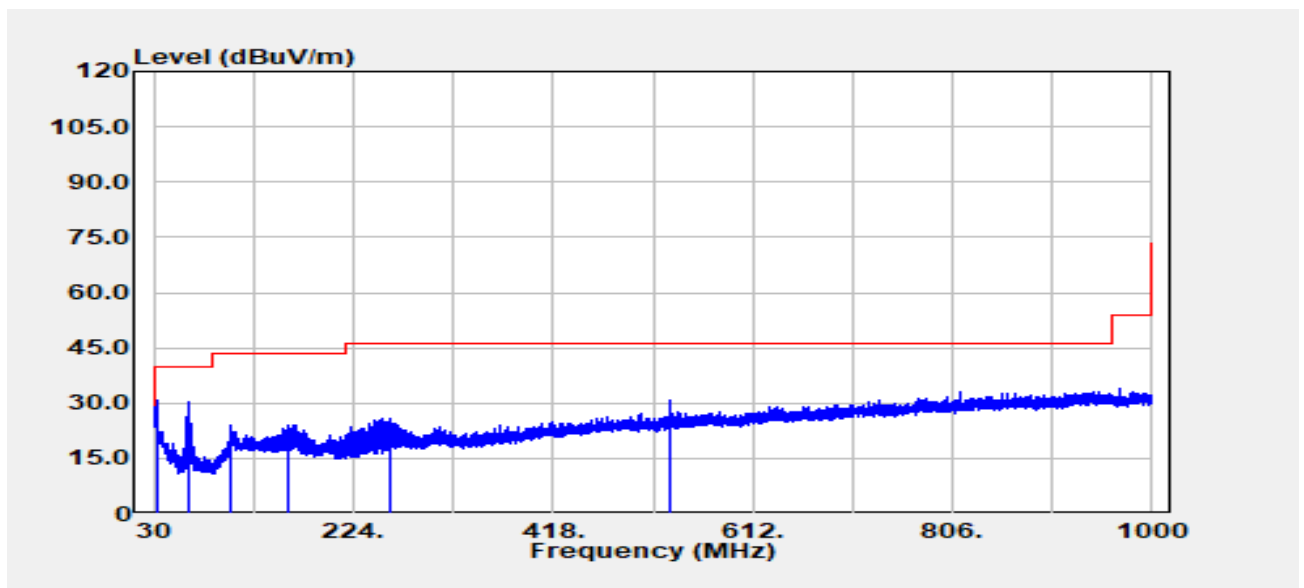
Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



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	35.25	13.83	49.08	74.00	-24.92
11380.00	Average	28.07	13.83	41.90	54.00	-12.10
17070.00	Peak	33.97	27.31	61.28	68.20	-6.92

Project No :TM-2311000354P
Operation Band :802.11ac80/Band4
Frequency :5775 MHz
Operation Mode :TX
EUT Pol :E2

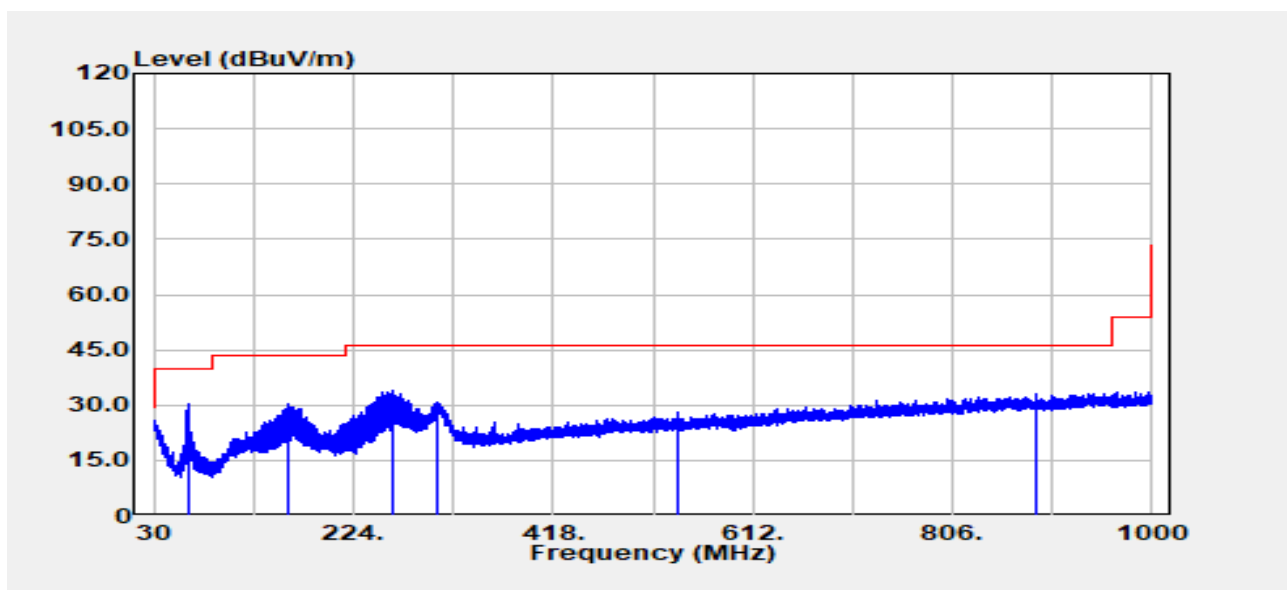
Test Date :2024-04-02
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
32.40	Peak	34.67	-4.06	30.61	40.00	-9.39
63.60	Peak	45.61	-15.45	30.16	40.00	-9.84
104.00	Peak	35.38	-11.40	23.98	43.50	-19.52
160.00	Peak	34.44	-10.38	24.06	43.50	-19.44
259.10	Peak	36.22	-10.23	25.98	46.00	-20.02
532.10	Peak	33.84	-2.96	30.88	46.00	-15.12

Project No :TM-2311000354P
Operation Band :802.11ac80/Band4
Frequency :5775 MHz
Operation Mode :TX
EUT Pol :E2

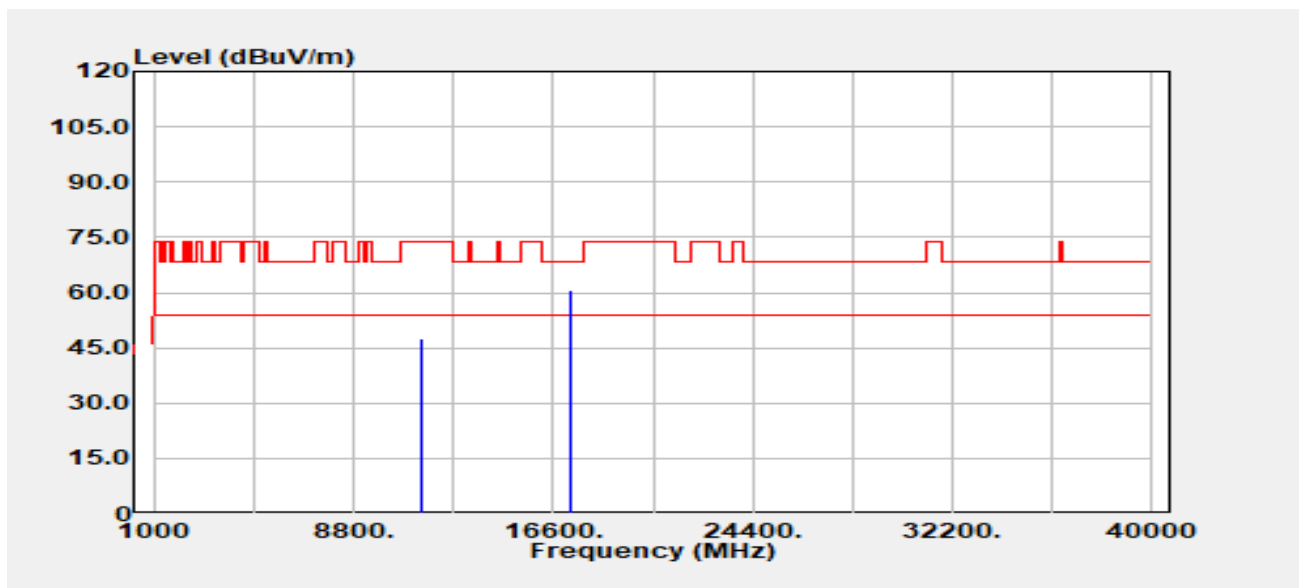
Test Date :2024-04-02
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
63.60	Peak	45.80	-15.45	30.36	40.00	-9.64
160.00	Peak	40.53	-10.38	30.15	43.50	-13.35
262.50	Peak	43.90	-9.78	34.12	46.00	-11.88
305.10	Peak	39.24	-8.46	30.78	46.00	-15.22
540.40	Peak	31.20	-2.95	28.25	46.00	-17.75
886.40	Peak	30.51	2.61	33.12	46.00	-12.88

Project No :TM-2311000354P
 Operation Band :802.11a/Band4
 Frequency :5745 MHz
 Operation Mode :TX
 EUT Pol :E2

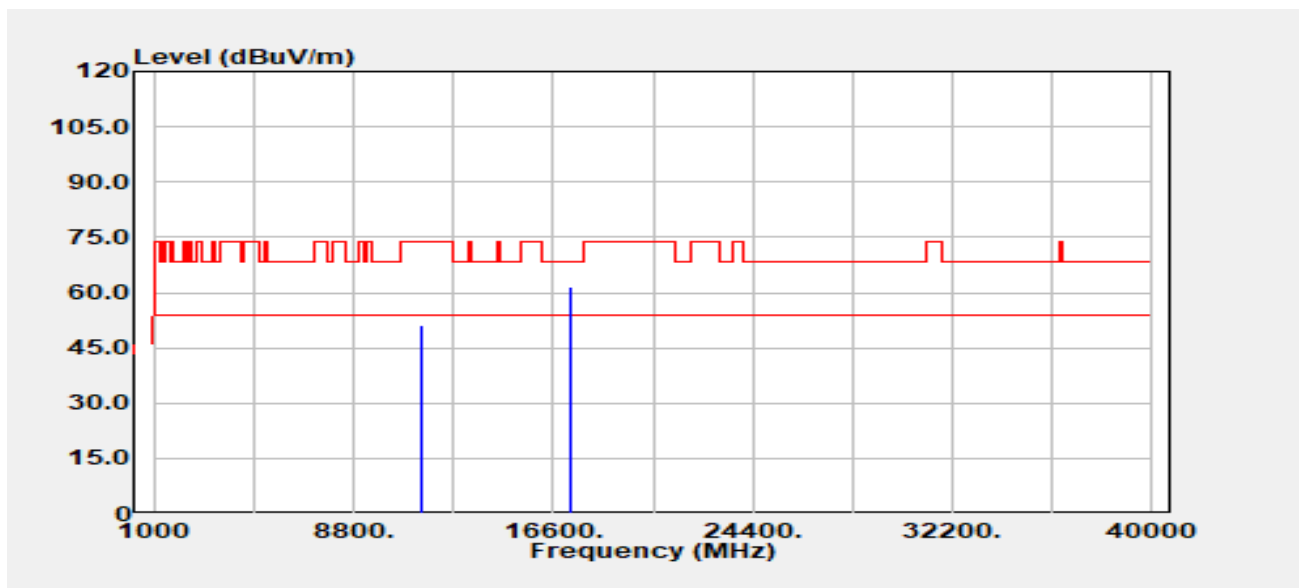
Test Date :2024-03-30
 Temp./Humi. :24.6/61
 Antenna Pol. :Vertical
 Engineer :Ray Li
 Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11490.00	Peak	34.06	13.67	47.73	74.00	-26.27
11490.00	Average	29.14	13.67	42.81	54.00	-11.19
17235.00	Peak	32.54	28.05	60.59	68.20	-7.61

Project No :TM-2311000354P
 Operation Band :802.11a/Band4
 Frequency :5745 MHz
 Operation Mode :TX
 EUT Pol :E2

Test Date :2024-03-30
 Temp./Humi. :24.6/61
 Antenna Pol. :Horizontal
 Engineer :Ray Li
 Test Chamber : 966A

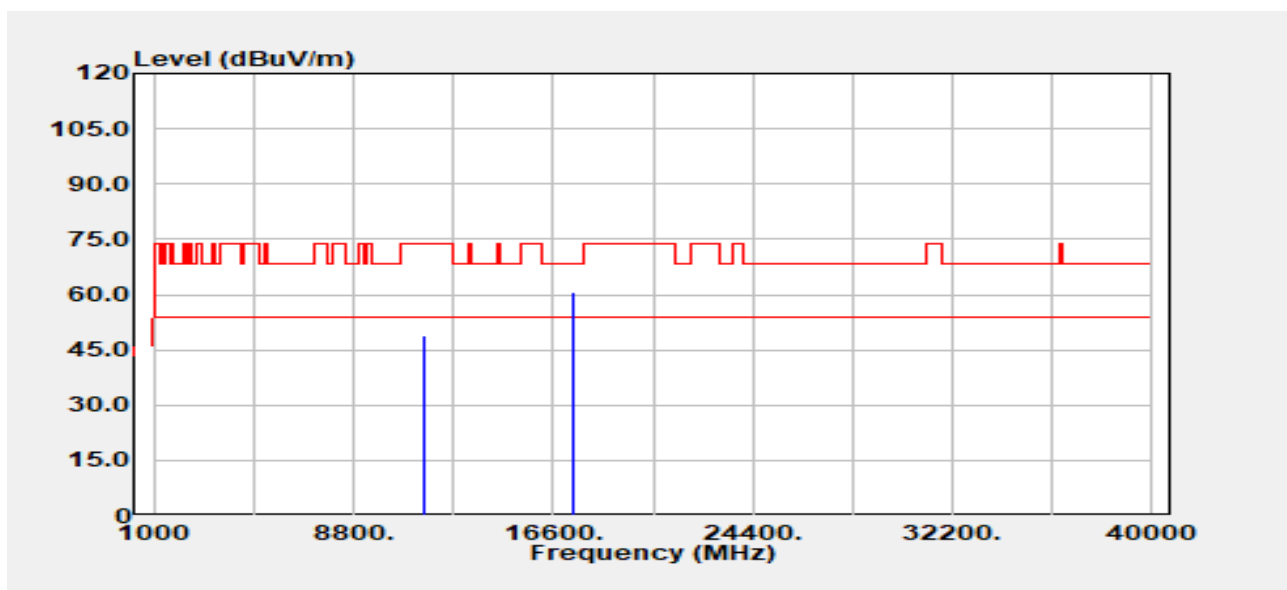


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11490.00	Peak	37.62	13.67	51.29	74.00	-22.71
11490.00	Average	28.54	13.67	42.21	54.00	-11.79
17235.00	Peak	33.42	28.05	61.47	68.20	-6.73

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band4
Frequency :5785 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A

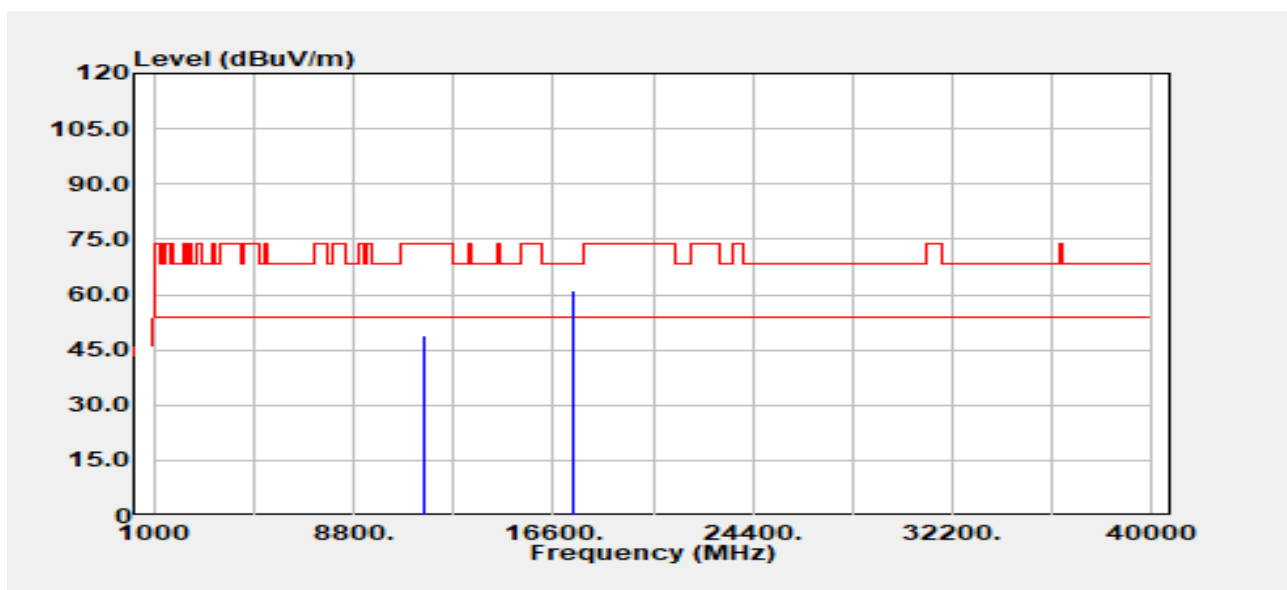


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11570.00	Peak	35.23	13.89	49.12	74.00	-24.88
11570.00	Average	29.33	13.89	43.22	54.00	-10.78
17355.00	Peak	33.56	27.33	60.89	68.20	-7.31

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band4
Frequency :5785 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Horizontal
Engineer :Ray Li
Test Chamber : 966A

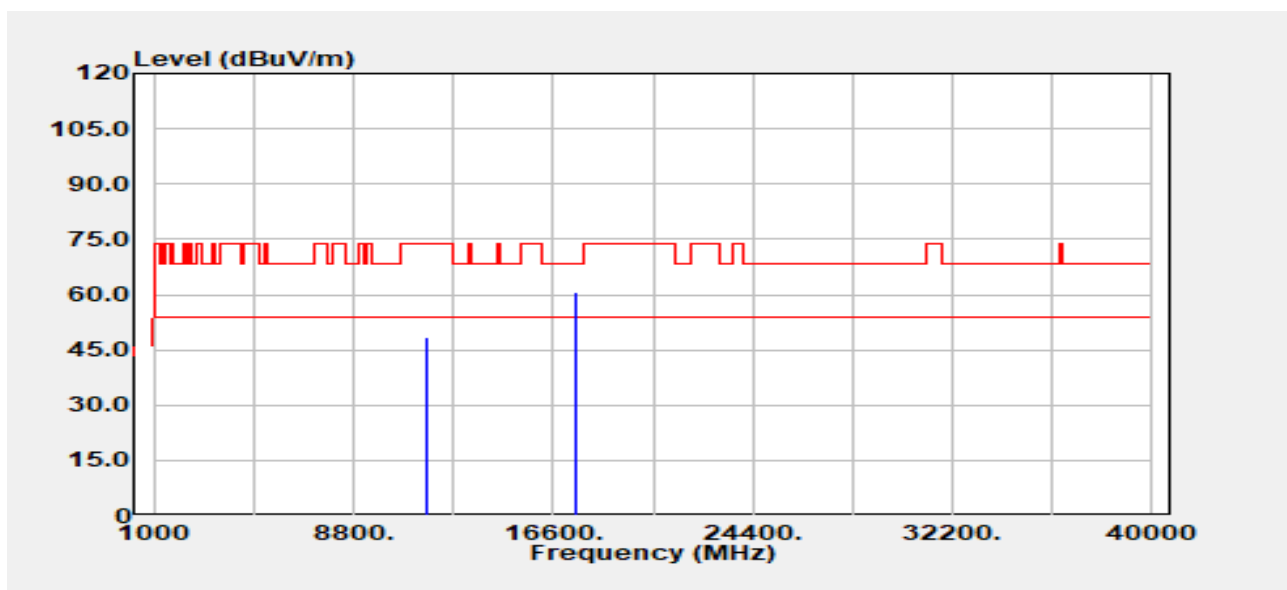


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11570.00	Peak	34.83	13.89	48.72	74.00	-25.28
11570.00	Average	28.23	13.89	42.12	54.00	-11.88
17355.00	Peak	33.99	27.33	61.33	68.20	-6.87

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11a/Band4
Frequency :5825 MHz
Operation Mode :TX
EUT Pol :E2

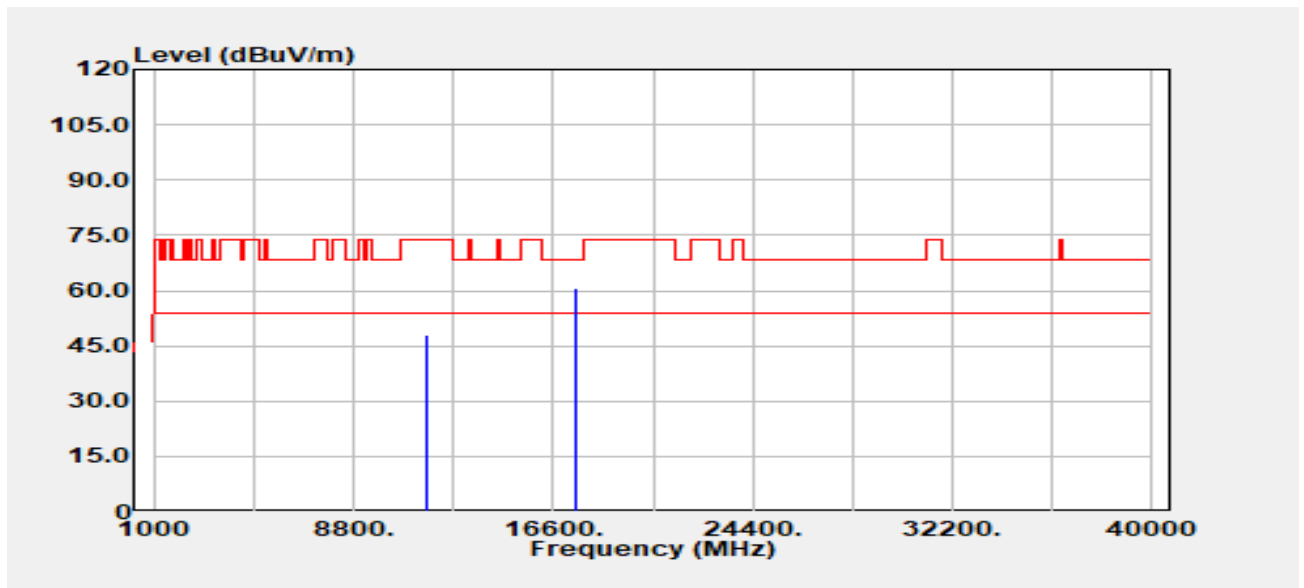
Test Date :2024-03-30
Temp./Humi. :24.6/61
Antenna Pol. :Vertical
Engineer :Ray Li
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11650.00	Peak	34.22	14.03	48.24	74.00	-25.76
11650.00	Average	28.41	14.03	42.44	54.00	-11.56
17475.00	Peak	33.30	27.18	60.48	68.20	-7.72

Project No :TM-2311000354P
 Operation Band :802.11a/Band4
 Frequency :5825 MHz
 Operation Mode :TX
 EUT Pol :E2

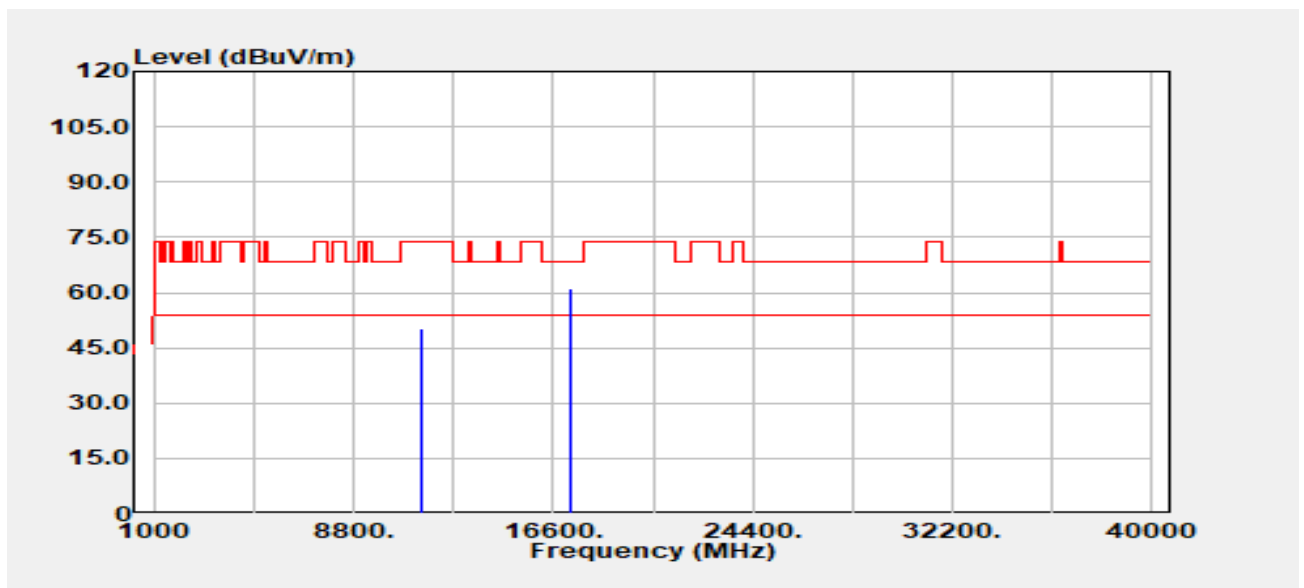
Test Date :2024-03-30
 Temp./Humi. :24.6/61
 Antenna Pol. :Horizontal
 Engineer :Ray Li
 Test Chamber : 966A



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	33.92	14.03	47.95	74.00	-26.05
11650.00	Average	27.69	14.03	41.72	54.00	-12.28
17475.00	Peak	33.51	27.18	60.70	68.20	-7.50

Project No :TM-2311000354P
Operation Band :802.11n20/Band4
Frequency :5745 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

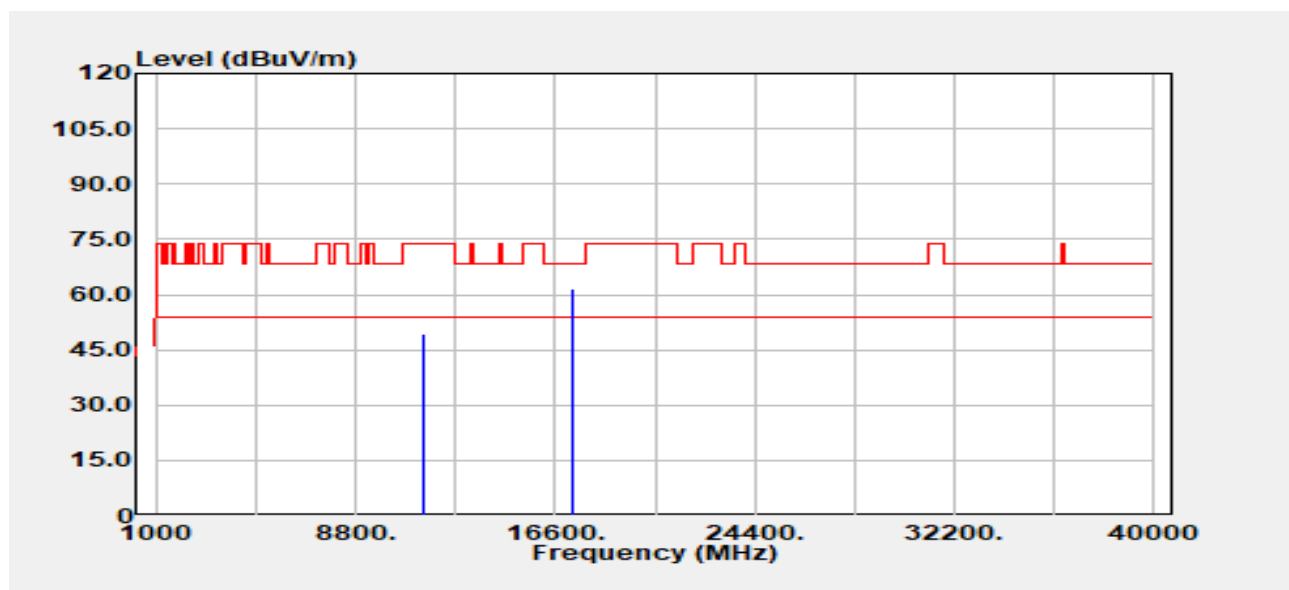


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11490.00	Peak	36.43	13.67	50.10	74.00	-23.90
11490.00	Average	29.43	13.67	43.10	54.00	-10.90
17235.00	Peak	33.16	28.05	61.21	68.20	-6.99

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band4
Frequency :5745 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

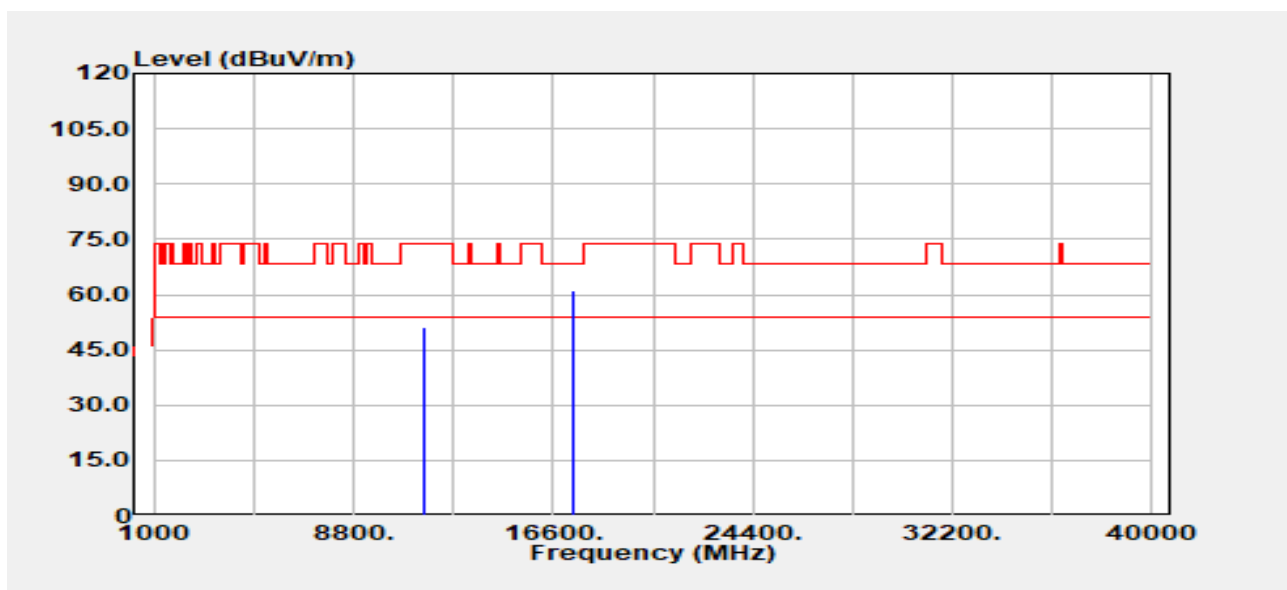


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11490.00	Peak	35.88	13.67	49.55	74.00	-24.45
11490.00	Average	28.20	13.67	41.87	54.00	-12.13
17235.00	Peak	33.56	28.05	61.61	68.20	-6.59

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band4
Frequency :5785 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

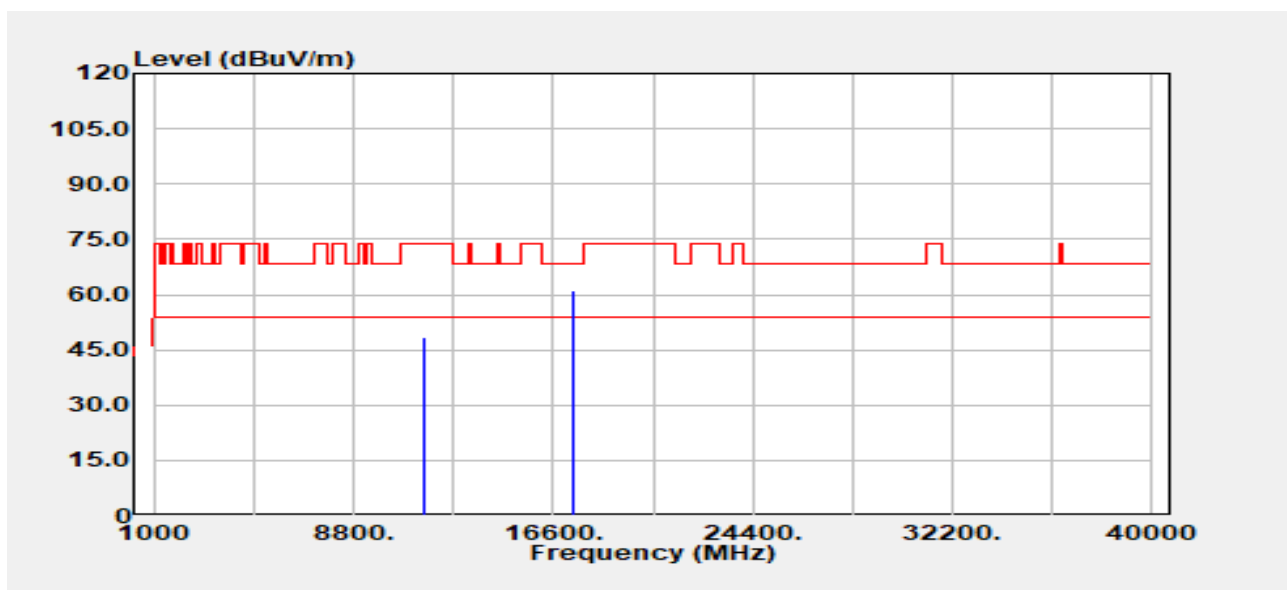


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11570.00	Peak	37.08	13.89	50.97	74.00	-23.03
11570.00	Average	29.76	13.89	43.65	54.00	-10.35
17355.00	Peak	33.95	27.33	61.29	68.20	-6.91

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band4
Frequency :5785 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
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	34.52	13.89	48.41	74.00	-25.59
11570.00	Average	28.16	13.89	42.05	54.00	-11.95
17355.00	Peak	34.02	27.33	61.36	68.20	-6.84

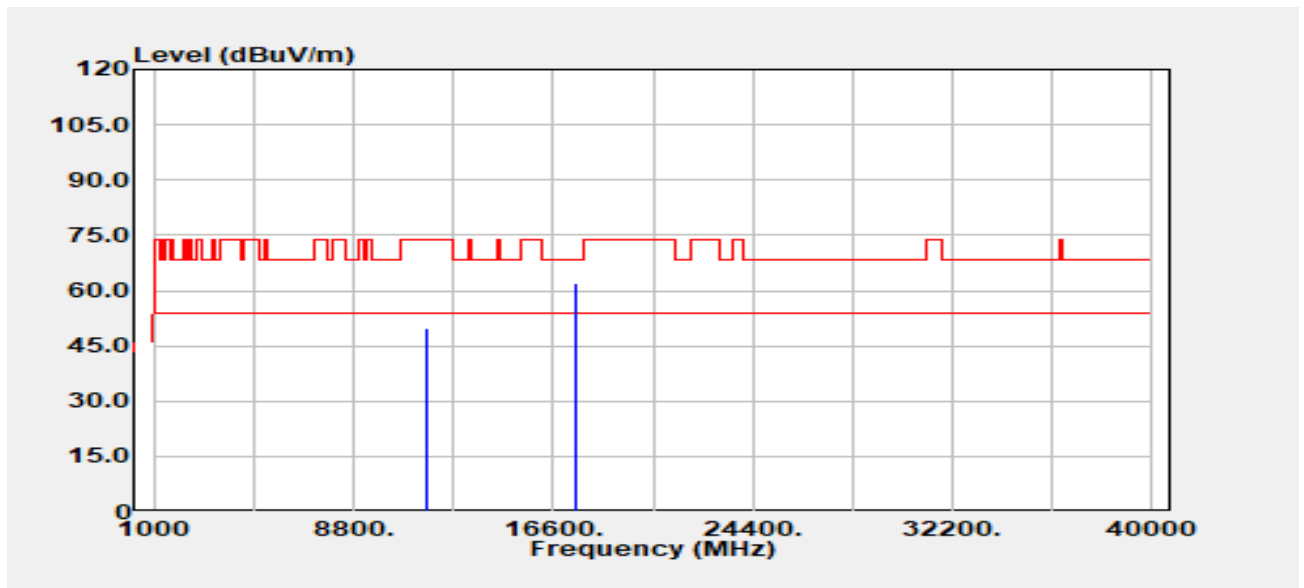
Report No.: TMWK2402000500KR

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Rev. 01

Project No :TM-2311000354P
Operation Band :802.11n20/Band4
Frequency :5825 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

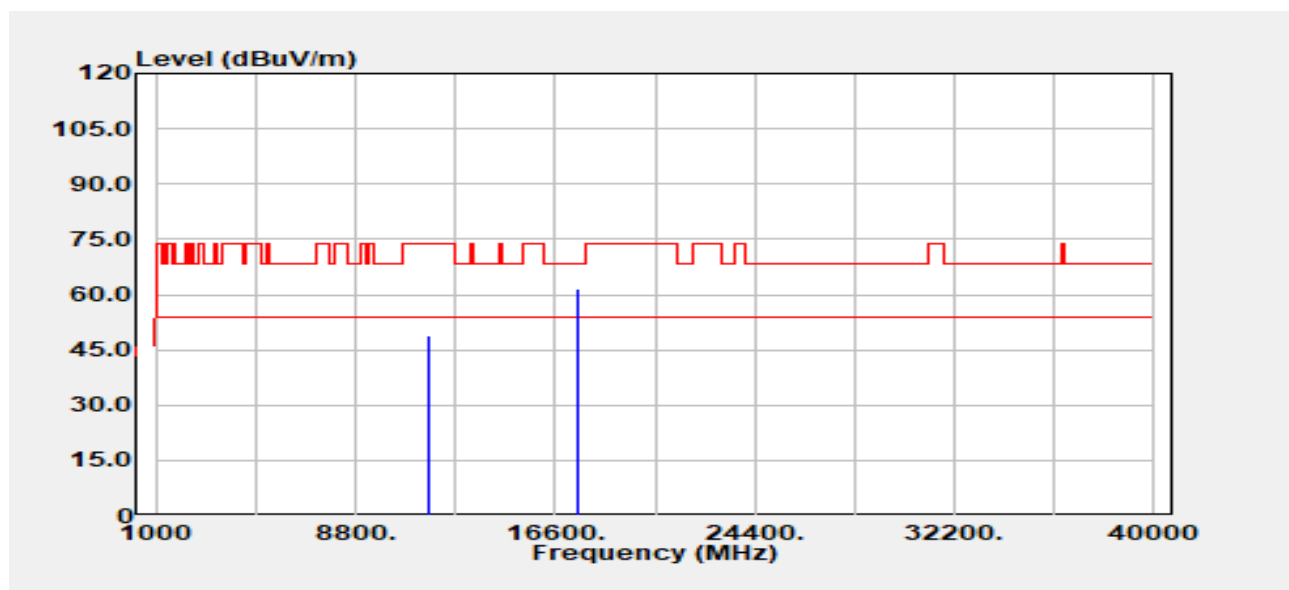


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11650.00	Peak	35.96	14.03	49.98	74.00	-24.02
17475.00	Peak	34.65	27.18	61.84	68.20	-6.36

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n20/Band4
Frequency :5825 MHz
Operation Mode :TX
EUT Pol :E2

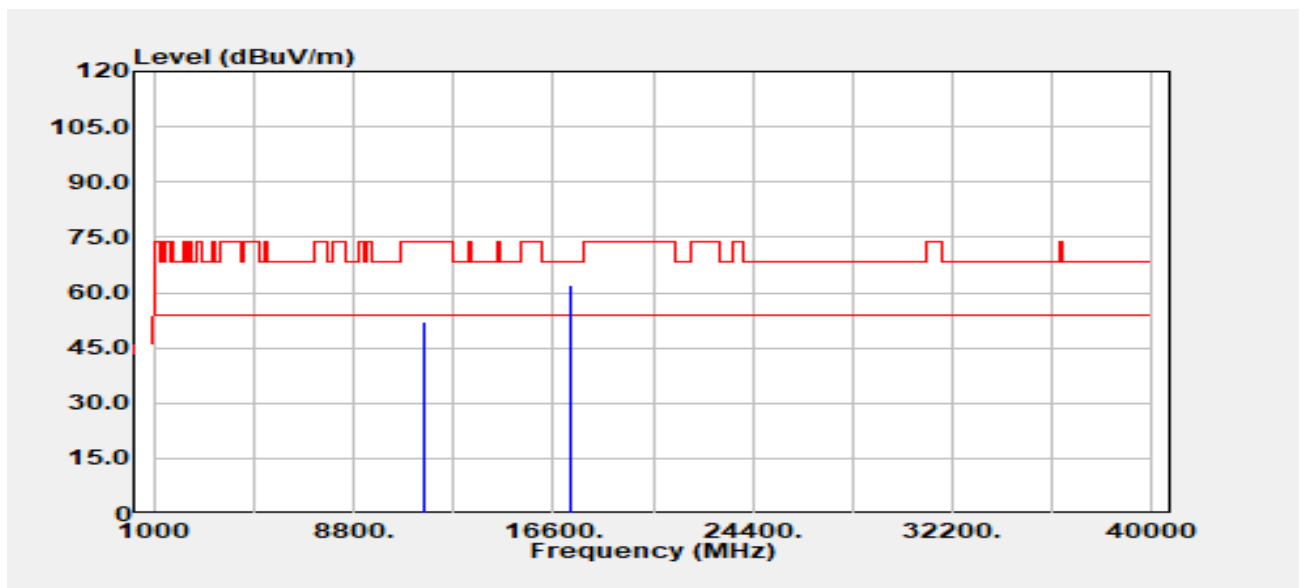
Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11650.00	Peak	35.00	14.03	49.03	74.00	-24.97
11650.00	Average	27.32	14.03	41.35	54.00	-12.66
17475.00	Peak	34.59	27.18	61.78	68.20	-6.42

Project No :TM-2311000354P
Operation Band :802.11n40/Band4
Frequency :5755 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

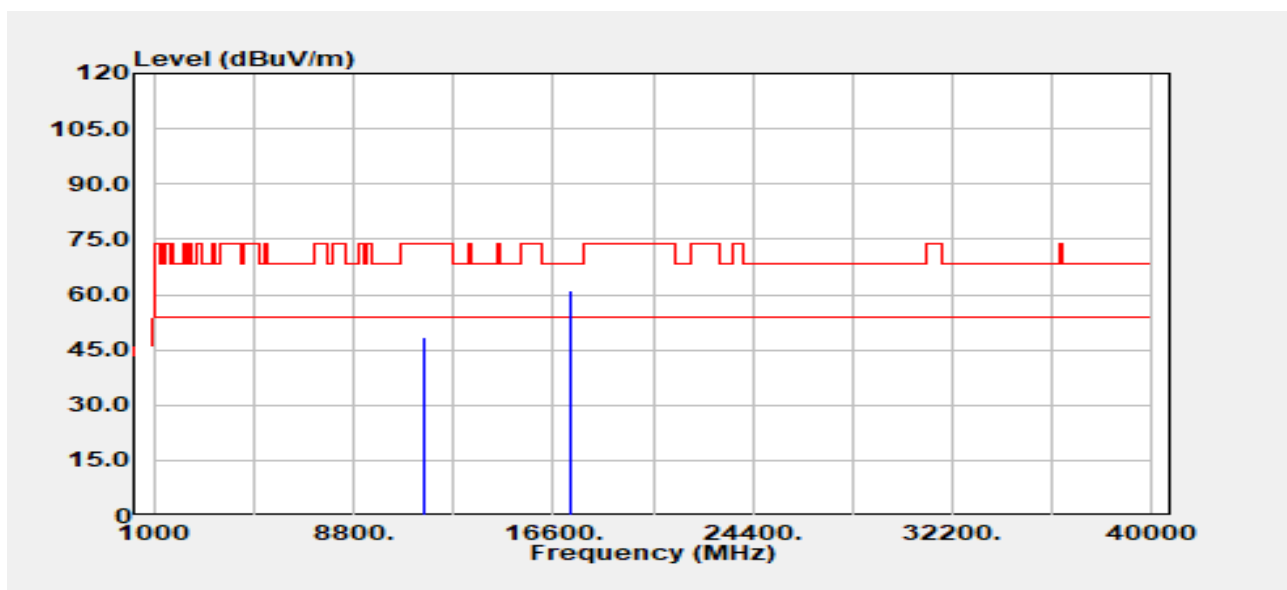


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11510.00	Peak	38.21	13.77	51.98	74.00	-22.02
11510.00	Average	28.99	13.77	42.76	54.00	-11.24
17265.00	Peak	33.93	27.89	61.81	68.20	-6.39

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band4
Frequency :5755 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

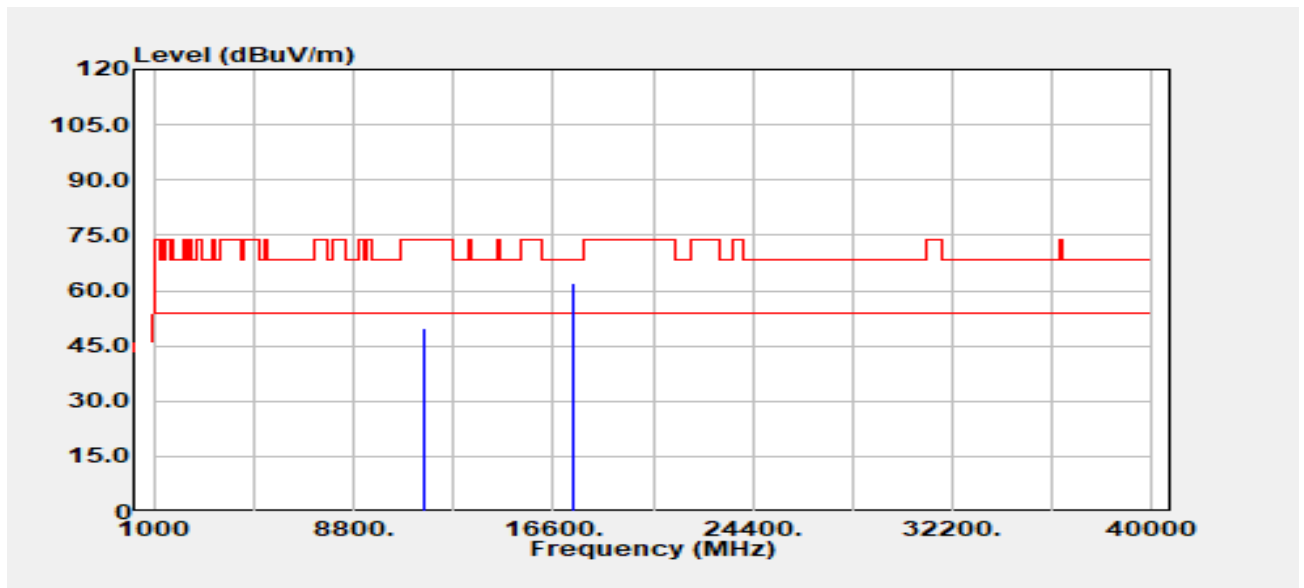


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11510.00	Peak	34.59	13.77	48.36	74.00	-25.64
11510.00	Average	27.85	13.77	41.62	54.00	-12.38
17265.00	Peak	33.32	27.89	61.21	68.20	-6.99

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band4
Frequency :5795 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :VERTICAL
Engineer :Tony Chao
Test Chamber : 966A

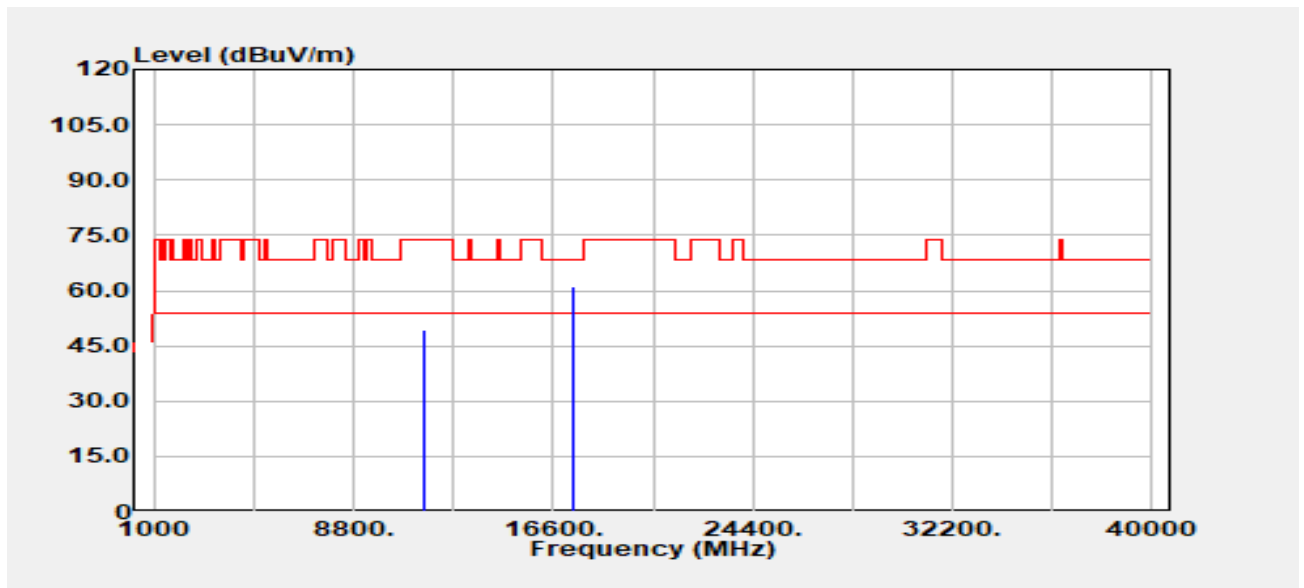


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11590.00	Peak	35.92	13.82	49.74	74.00	-24.26
11590.00	Average	28.10	13.82	41.92	54.00	-12.08
17385.00	Peak	34.81	27.26	62.07	68.20	-6.13

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11n40/Band4
Frequency :5795 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :HORIZONTAL
Engineer :Tony Chao
Test Chamber : 966A

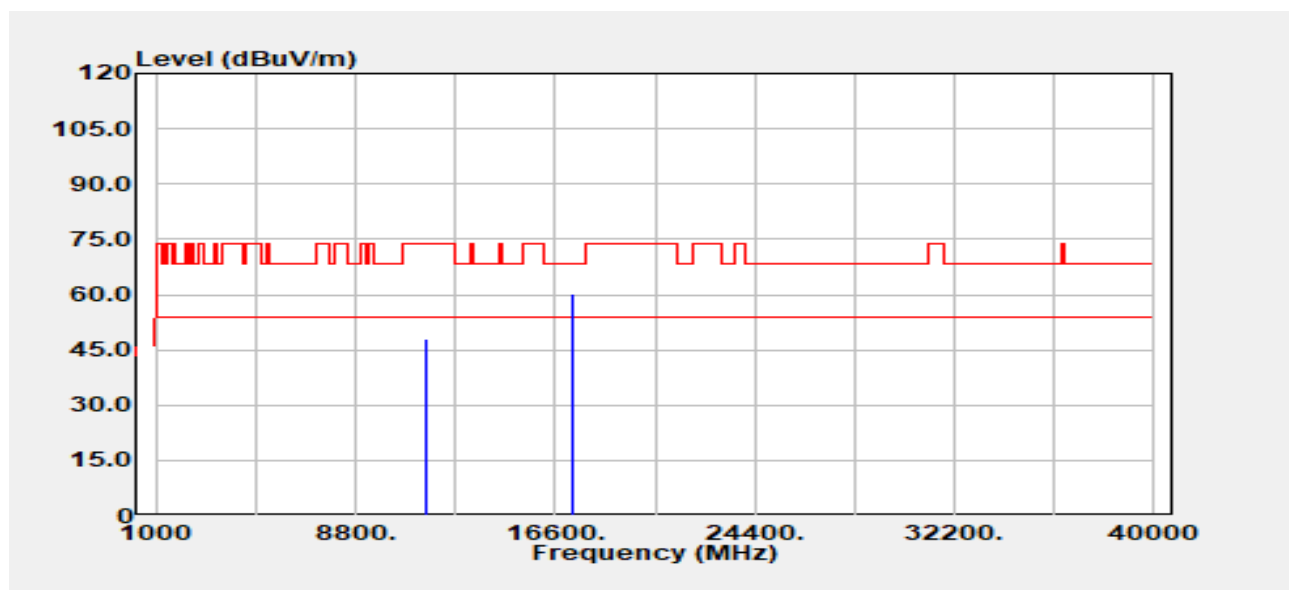


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBUV	Factor dB	Actual FS dBUV/m	Limit dBUV/m	Margin dB
11590.00	Peak	35.55	13.82	49.36	74.00	-24.64
11590.00	Average	27.50	13.82	41.32	54.00	-12.68
17385.00	Peak	33.87	27.26	61.14	68.20	-7.06

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band4
Frequency :5775 MHz
Operation Mode :TX
EUT Pol :E2

Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :Vertical
Engineer :Tony Chao
Test Chamber : 966A

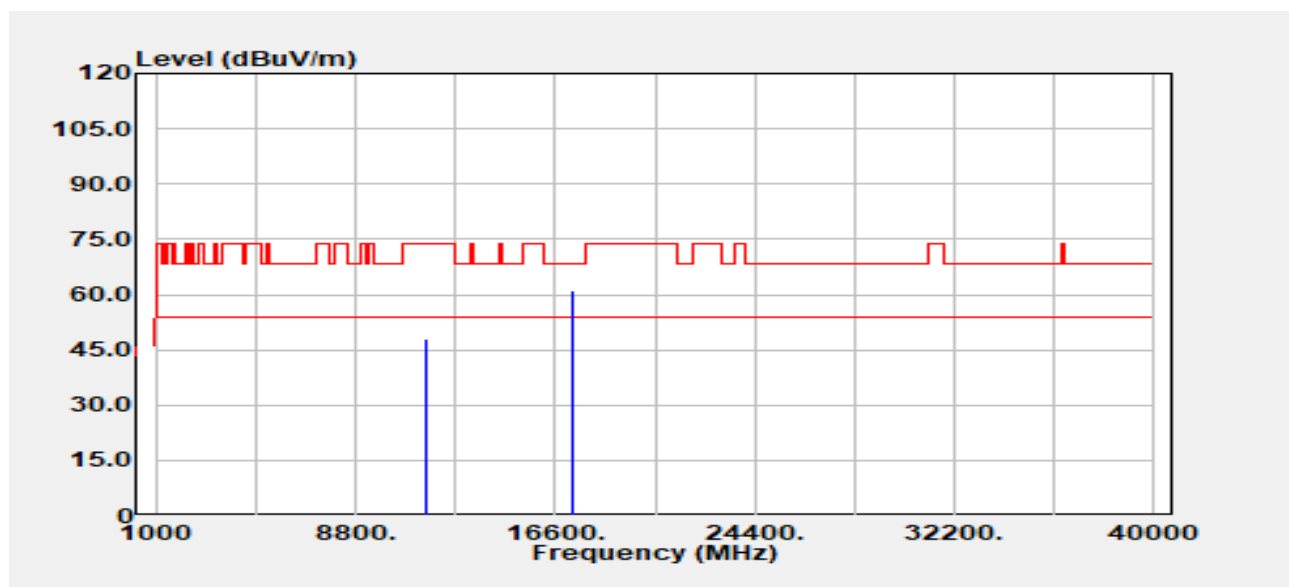


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
11550.00	Peak	34.10	13.97	48.07	74.00	-25.93
11550.00	Average	27.40	13.97	41.37	54.00	-12.63
17325.00	Peak	33.03	27.42	60.45	68.20	-7.75

Report No.: TMWK2402000500KR

Project No :TM-2311000354P
Operation Band :802.11ac80/Band4
Frequency :5775 MHz
Operation Mode :TX
EUT Pol :E2

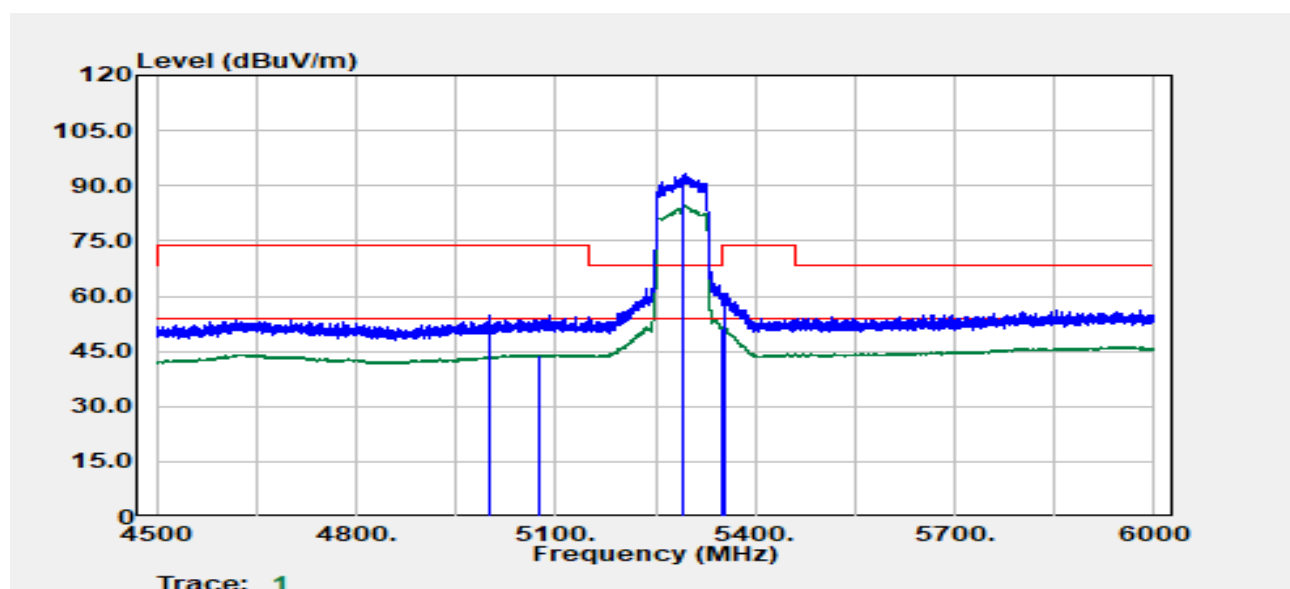
Test Date :2024-04-01
Temp./Humi. :24.4/58
Antenna Pol. :Horizontal
Engineer :Tony Chao
Test Chamber : 966A



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	33.87	13.97	47.84	74.00	-26.16
11550.00	Average	26.66	13.97	40.63	54.00	-13.37
17325.00	Peak	33.63	27.42	61.05	68.20	-7.15

Co-location

Project No	:TM-2311000354P	Test Date	:2024-04-10
Operation Band	:NFC_802.11ac80/Band2_LT E Band2 QPSK1,0_20M	Temp./Humi.	:24.3/60
Frequency	:5290 MHz_1871 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A

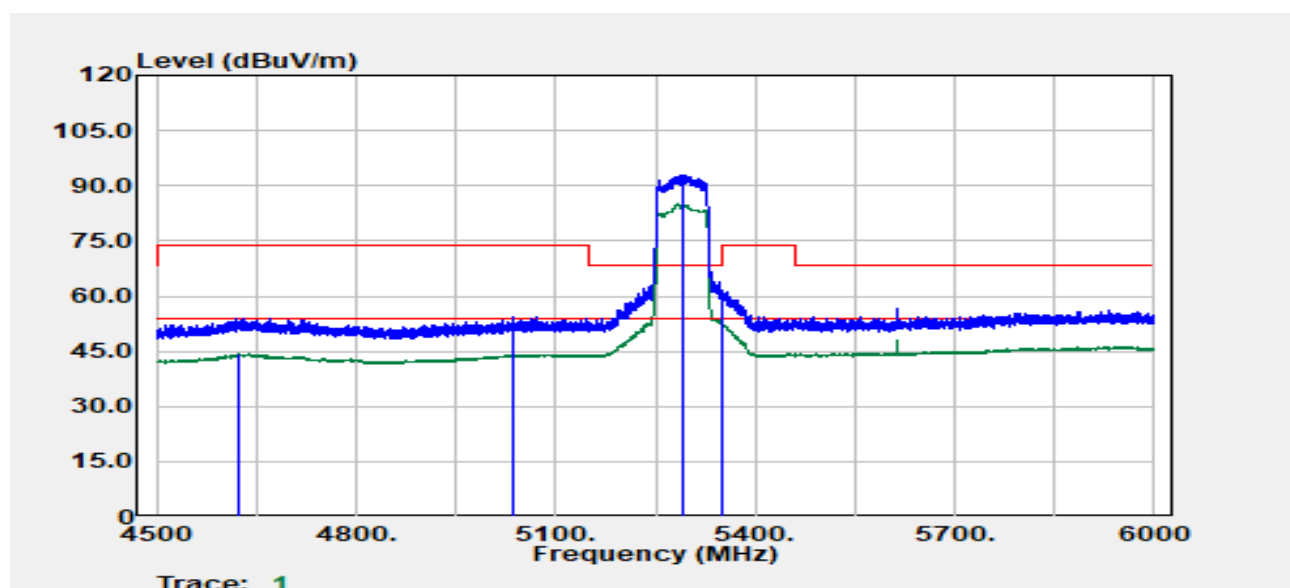


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4999.58	Peak	42.54	12.47	55.01	74.00	-18.99
5075.85	Average	31.24	12.90	44.15	54.00	-9.85
5290.00	Peak	79.79	13.30	93.09	--	--
5290.00	Average	71.18	13.30	84.48	--	--
5350.14	Average	38.26	13.10	51.35	54.00	-2.65
5353.64	Peak	47.67	13.10	60.77	74.00	-13.23

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.: TMWK2402000500KR

Project No	:TM-2311000354P	Test Date	:2024-04-10
Operation Band	:NFC_802.11ac80/Band2_LT E Band2 QPSK1,0_20M	Temp./Humi.	:24.3/60
Frequency	:5290 MHz_1871 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:Bandedge	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A

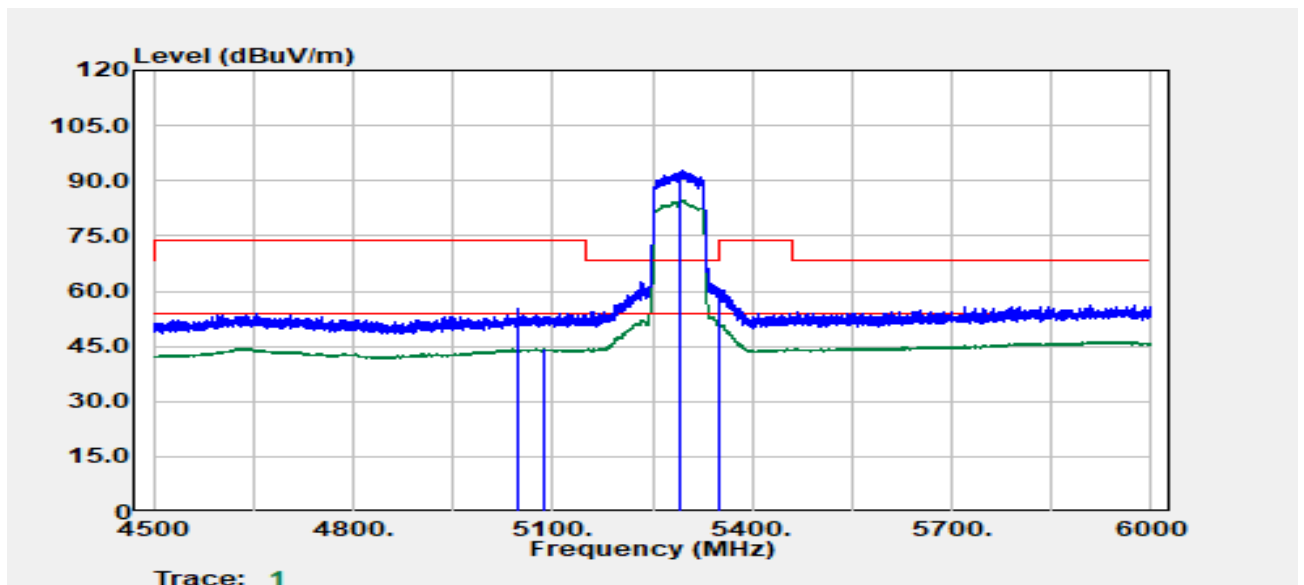


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4624.77	Average	32.28	11.97	44.25	54.00	-9.75
5035.59	Peak	41.52	12.73	54.25	74.00	-19.75
5290.00	Peak	79.52	13.30	92.82	--	--
5290.00	Average	71.80	13.30	85.11	--	--
5350.64	Average	39.30	13.10	52.40	54.00	-1.60
5351.39	Peak	48.17	13.10	61.27	74.00	-12.73

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.: TMWK2402000500KR

Project No	:TM-2311000354P	Test Date	:2024-04-10
Operation Band	:NFC_802.11ac80/Band2_LT E Band13 QPSK1,0_10M	Temp./Humi.	:24.3/60
Frequency	:5290 MHz_777.6 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A

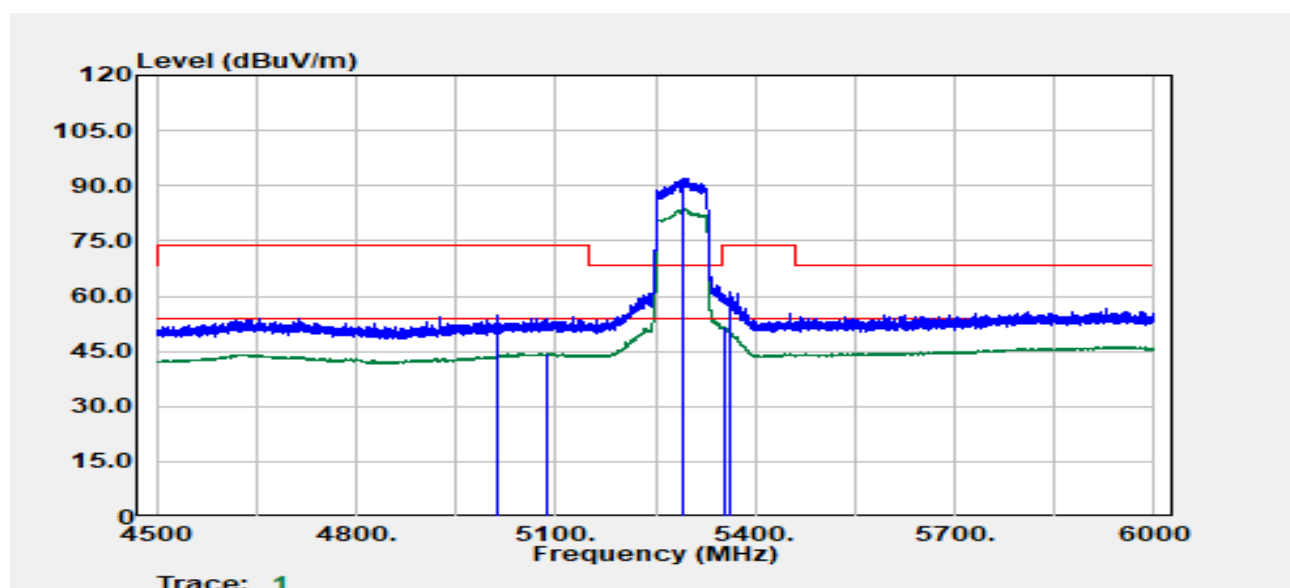


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5048.73	Peak	42.29	12.83	55.12	74.00	-18.88
5085.21	Average	31.39	12.92	44.31	54.00	-9.69
5290.00	Peak	79.40	13.30	92.70	--	--
5290.00	Average	71.23	13.30	84.54	--	--
5350.08	Average	37.76	13.10	50.85	54.00	-3.15
5352.07	Peak	47.38	13.10	60.47	74.00	-13.53

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.: TMWK2402000500KR

Project No	:TM-2311000354P	Test Date	:2024-04-10
Operation Band	:NFC_802.11ac80/Band2_LT E Band13 QPSK1,0_10M	Temp./Humi.	:24.3/60
Frequency	:5290 MHz_777.6 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:Bandedge	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A

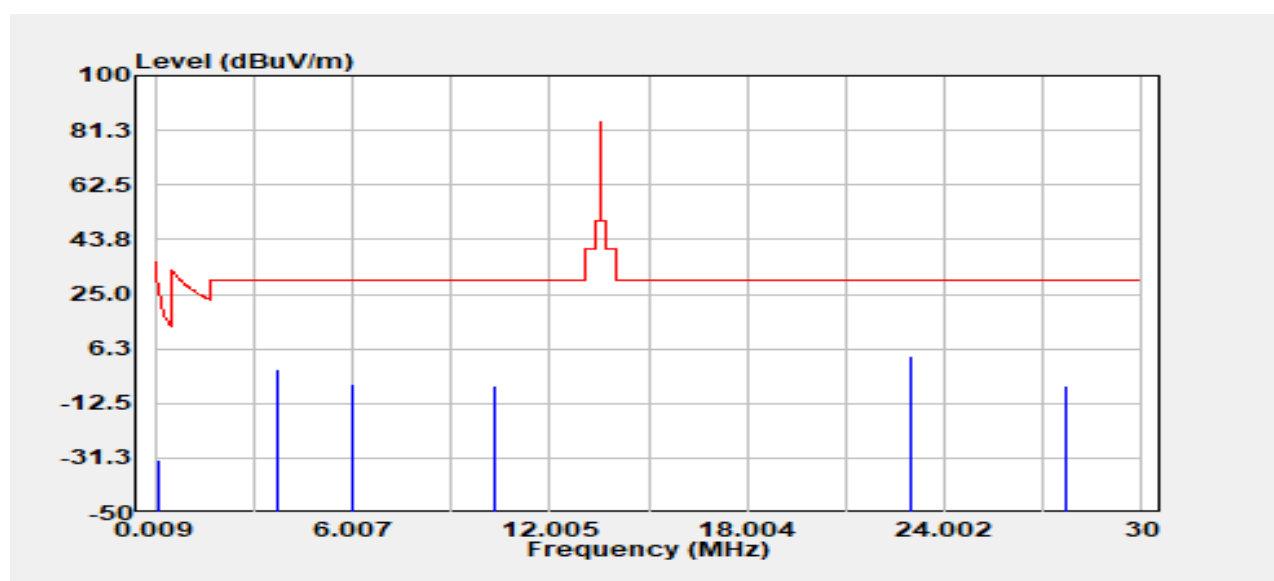


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5011.84	Peak	42.25	12.56	54.81	74.00	-19.19
5088.60	Average	31.40	12.93	44.33	54.00	-9.67
5290.00	Peak	78.81	13.30	92.12	--	--
5290.00	Average	70.44	13.30	83.74	--	--
5352.89	Average	38.57	13.10	51.67	54.00	-2.33
5360.14	Peak	48.18	13.11	61.29	74.00	-12.71

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.: TMWK2402000500KR

Project No	:TM-2311000354P	Test Date	:2024-04-10
Operation Band	:NFC_802.11ac80/Band2_LTE Band2 QPSK1,0 20M	Temp./Humi.	:24.4/59
Frequency	:13.56 MHz_5290 MHz_1871 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:H	Test Chamber	: 966A

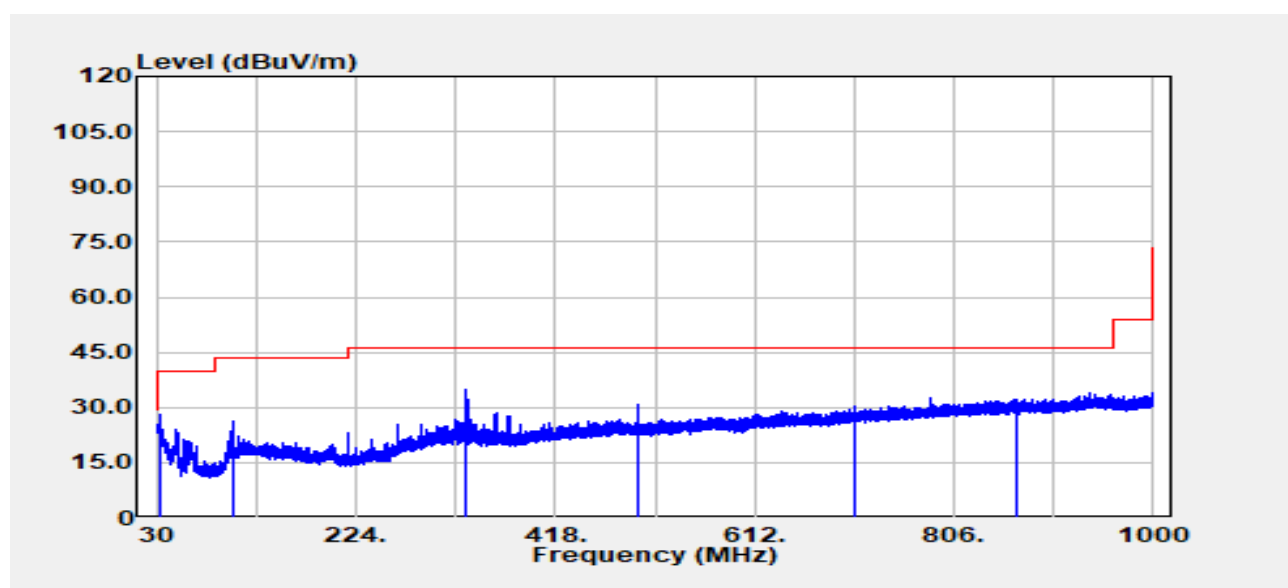


Freq. MHz	Detector Mode	Spectrum Read Level @3m dBμV	Factor @3m dB	Actual FS @3m dBμV/m	Factor @30m&300m dB	Actual FS @30m&300m dBμV/m	Limit dBμV/m	Margin dB
0.11	Peak	34.54	13.67	48.21	-80.00	-31.79	26.61	-58.40
3.74	Peak	23.58	15.54	39.12	-40.00	-0.88	29.54	-30.42
6.01	Peak	17.46	16.70	34.16	-40.00	-5.84	29.54	-35.38
10.34	Peak	16.45	16.89	33.34	-40.00	-6.66	29.54	-36.20
22.96	Peak	27.48	16.20	43.68	-40.00	3.68	29.54	-25.86
27.71	Peak	16.44	17.16	33.59	-40.00	-6.41	29.54	-35.95

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.: TMWK2402000500KR

Project No	:TM-2311000354P	Test Date	:2024-04-10
Operation Band	:NFC_802.11ac80/Band2_LT E Band2 QPSK1,0 20M	Temp./Humi.	:24.4/59
Frequency	:13.56 MHz_5290 MHz_1871 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:H	Test Chamber	: 966A

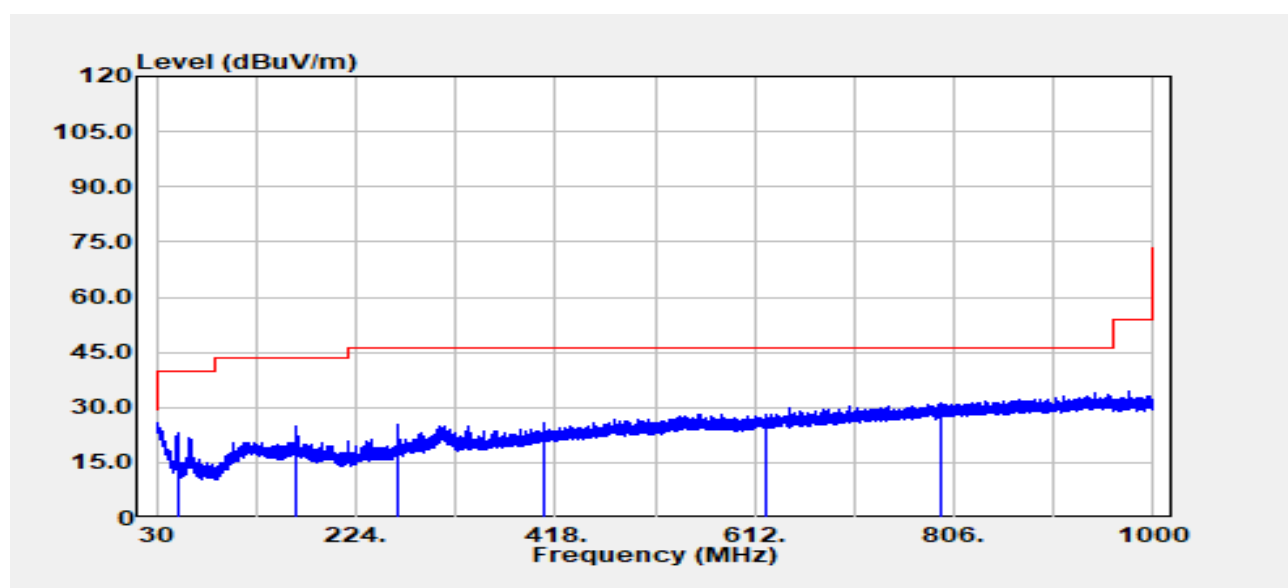


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
33.92	Peak	32.91	-5.06	27.86	40.00	-12.14
105.00	Peak	37.56	-11.31	26.25	43.50	-17.25
331.93	Peak	42.56	-7.91	34.65	46.00	-11.35
499.00	Peak	34.24	-3.58	30.65	46.00	-15.35
710.19	Peak	30.35	0.09	30.44	46.00	-15.56
868.12	Peak	29.82	2.35	32.17	46.00	-13.83

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.: TMWK2402000500KR

Project No	:TM-2311000354P	Test Date	:2024-04-10
Operation Band	:NFC_802.11ac80/Band2_LT E Band2 QPSK1,0 20M	Temp./Humi.	:24.4/59
Frequency	:13.56 MHz_5290 MHz_1871 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:H	Test Chamber	: 966A

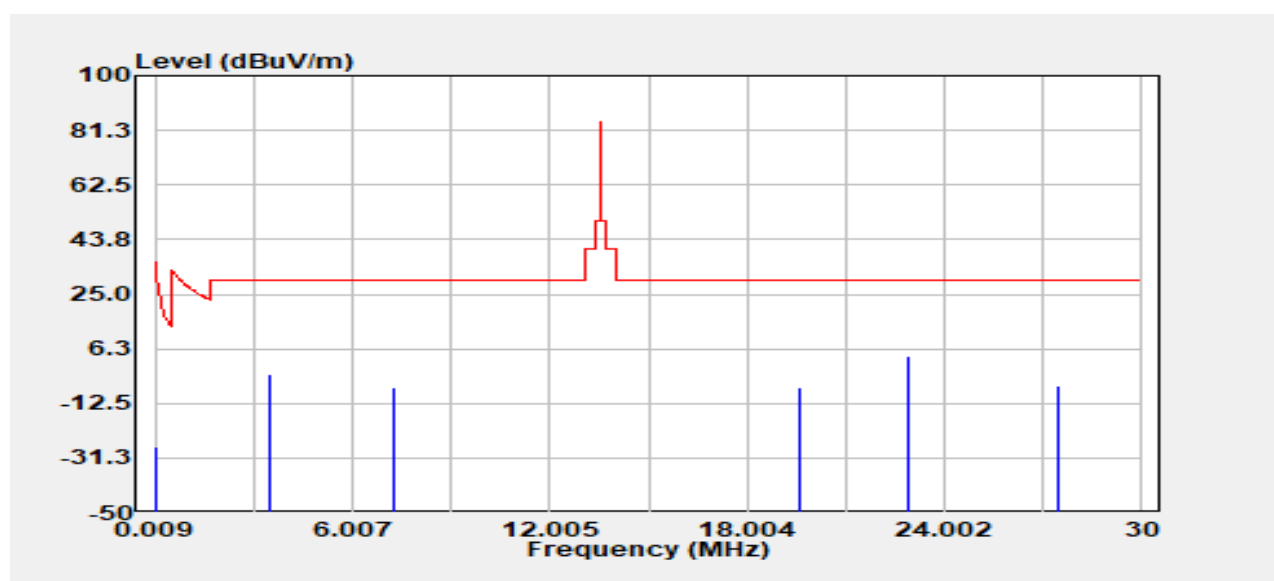


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
50.02	Peak	38.54	-15.41	23.13	40.00	-16.87
165.93	Peak	35.64	-10.90	24.74	43.50	-18.76
264.03	Peak	35.11	-9.68	25.43	46.00	-20.57
407.99	Peak	31.54	-5.60	25.94	46.00	-20.06
621.96	Peak	29.49	-1.52	27.97	46.00	-18.03
792.33	Peak	29.91	1.32	31.23	46.00	-14.77

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.: TMWK2402000500KR

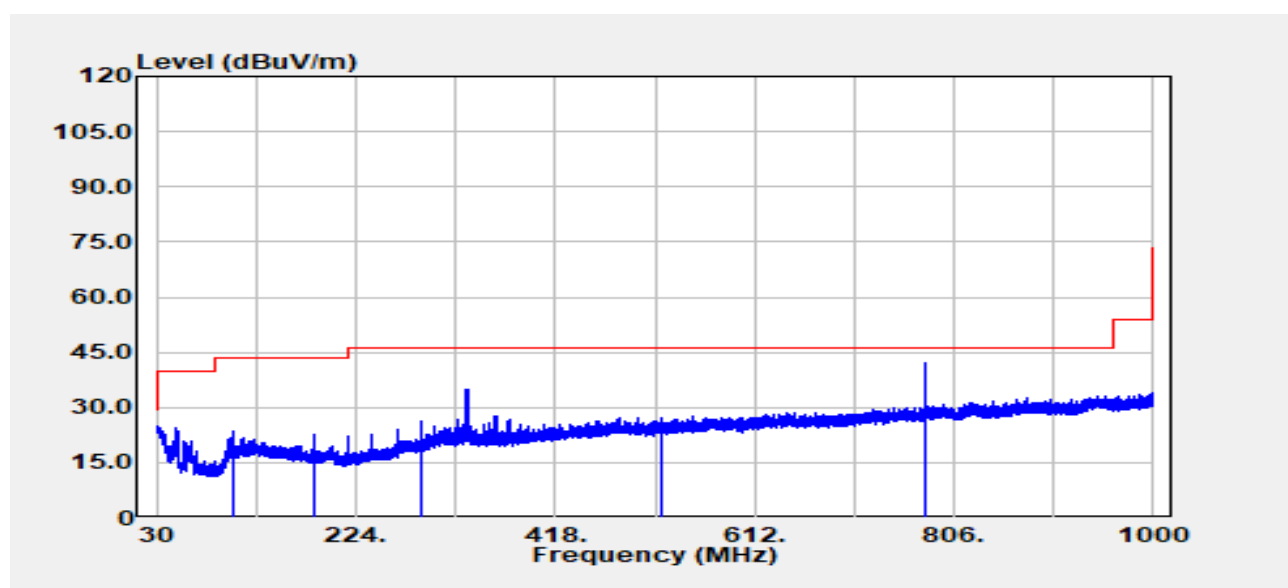
Project No	:TM-2311000354P	Test Date	:2024-04-10
Operation Band	:NFC_802.11ac80/Band2_LTE Band13 QPSK1,0 10M	Temp./Humi.	:24.4/59
Frequency	:13.56 MHz_5290 MHz_777.6 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:H	Test Chamber	: 966A



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
0.06	Peak	38.91	13.76	52.67	-80.00	-27.33	32.06	-59.39
3.50	Peak	21.94	15.42	37.36	-40.00	-2.64	29.54	-32.18
7.24	Peak	16.62	16.28	32.91	-40.00	-7.09	29.54	-36.63
19.61	Peak	15.24	17.50	32.75	-40.00	-7.25	29.54	-36.79
22.94	Peak	27.65	16.21	43.85	-40.00	3.85	29.54	-25.69
27.47	Peak	16.43	17.18	33.61	-40.00	-6.39	29.54	-35.93

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

Project No	:TM-2311000354P	Test Date	:2024-04-10
Operation Band	:NFC_802.11ac80/Band2_LT E Band13 QPSK1,0 10M	Temp./Humi.	:24.4/59
Frequency	:13.56 MHz_5290 MHz_777.6 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:H	Test Chamber	: 966A

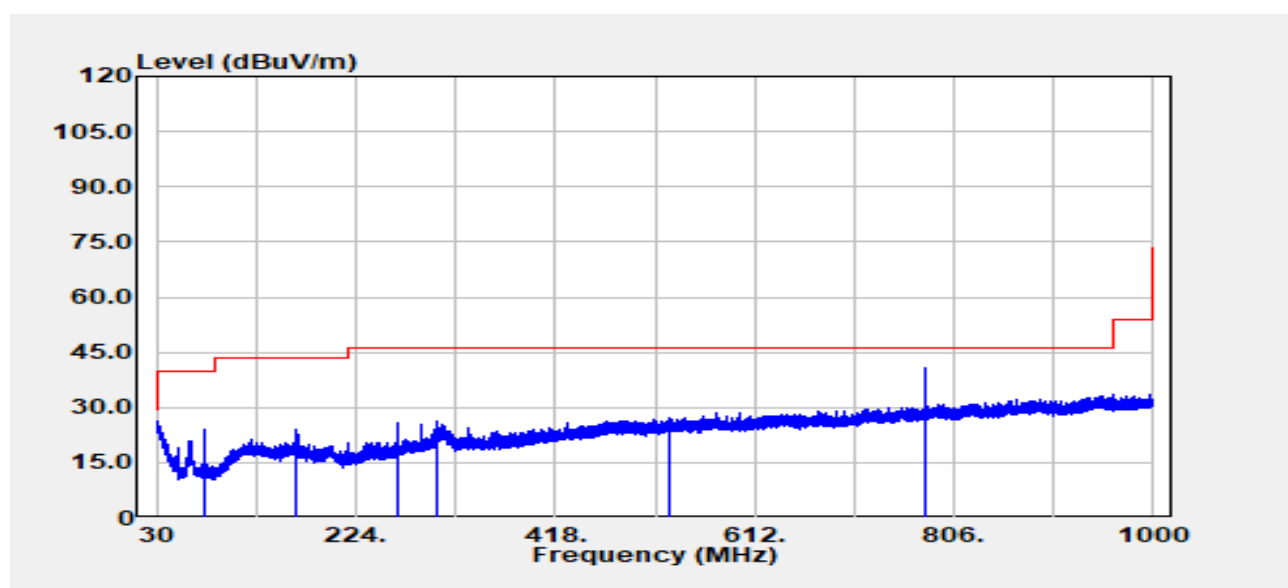


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
104.87	Peak	34.96	-11.32	23.64	43.50	-19.86
184.49	Peak	34.32	-11.62	22.70	43.50	-20.80
288.02	Peak	35.33	-8.89	26.44	46.00	-19.56
288.02	Peak	35.33	-8.89	26.44	46.00	-19.56
520.82	Peak	30.44	-3.27	27.18	46.00	-18.82
777.65	Peak	40.84	1.13	41.97	46.00	-4.03

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.: TMWK2402000500KR

Project No	:TM-2311000354P	Test Date	:2024-04-10
Operation Band	:NFC_802.11ac80/Band2_LT E Band13 QPSK1,0 10M	Temp./Humi.	:24.4/59
Frequency	:13.56 MHz_5290 MHz_777.6 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:TX	Engineer	:Tony Chao
EUT Pol	:H	Test Chamber	: 966A



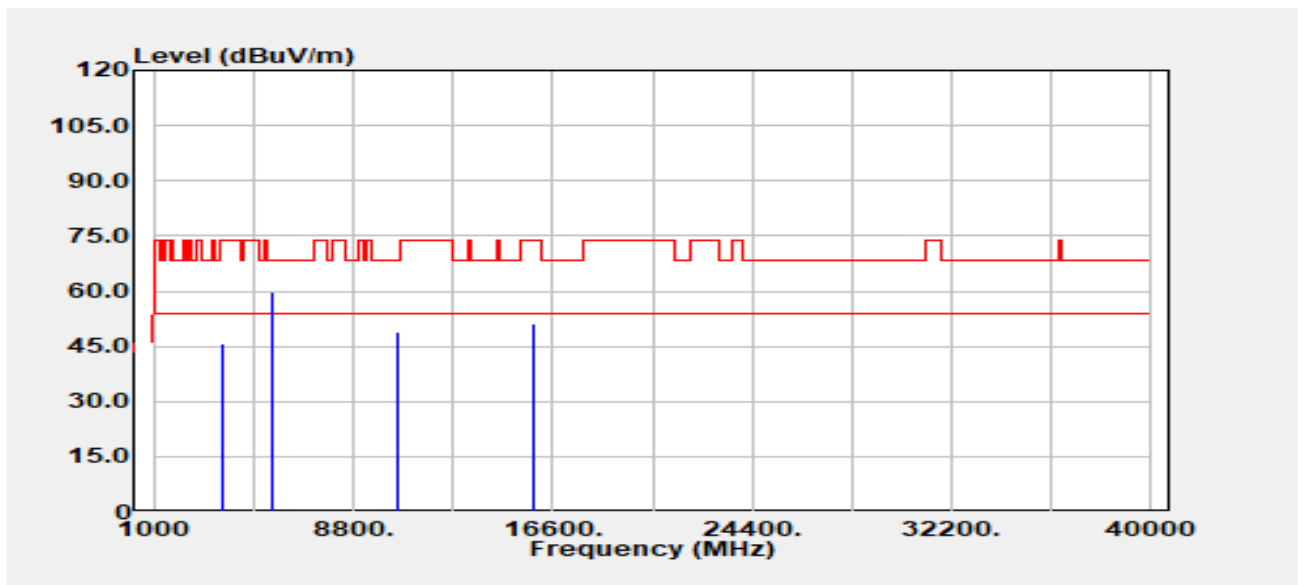
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
77.35	Peak	39.52	-15.43	24.10	40.00	-15.90
165.98	Peak	34.87	-10.90	23.98	43.50	-19.52
263.99	Peak	35.64	-9.69	25.95	46.00	-20.05
303.98	Peak	34.79	-8.56	26.24	46.00	-19.76
528.36	Peak	30.40	-3.18	27.22	46.00	-18.78
777.52	Peak	39.53	1.12	40.65	46.00	-5.35

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.: TMWK2402000500KR

Rev. 01

Project No	:TM-2311000354P	Test Date	:2024-04-09
Operation Band	:NFC_802.11ac80/Band2_LT E Band2 QPSK1,0_20M	Temp./Humi.	:24.3/60
Frequency	:5290 MHz_1871 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A

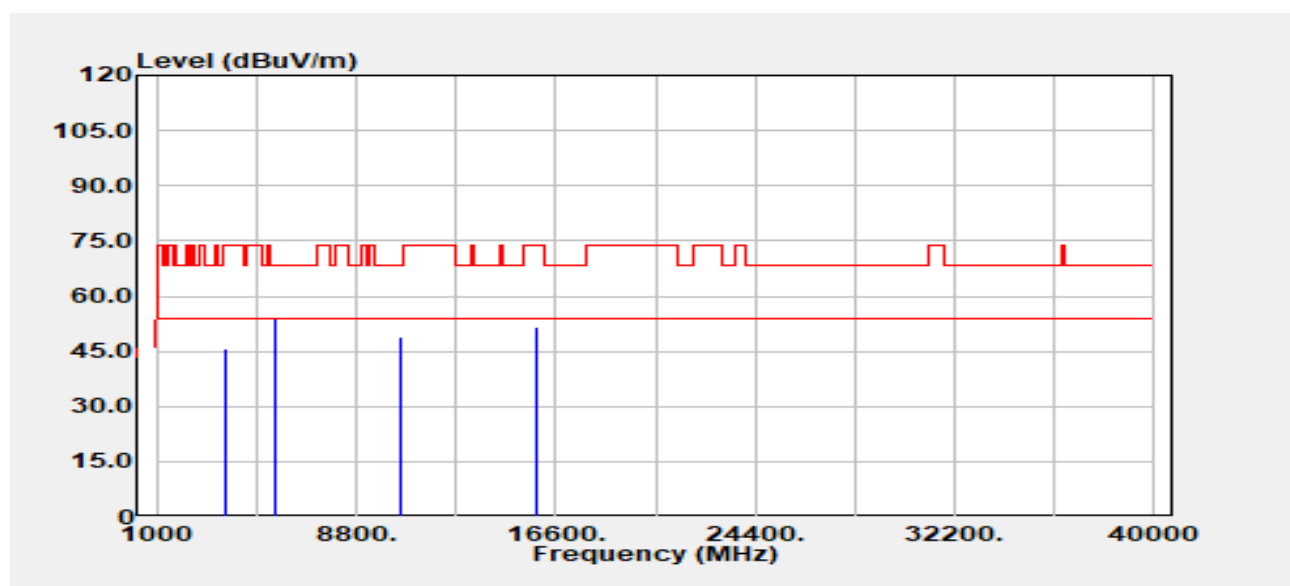


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit dB μ V/m	Margin dB
3742.00	Peak	45.51	0.23	45.74	82.20	-36.46
5613.00	Peak	54.66	4.91	59.57	82.20	-22.63
10580.00	Peak	35.88	12.96	48.84	68.20	-19.36
15870.00	Peak	35.20	16.00	51.20	74.00	-22.80
15870.00	Average	26.55	16.00	42.55	54.00	-11.45

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.: TMWK2402000500KR

Project No	:TM-2311000354P	Test Date	:2024-04-09
Operation Band	:NFC_802.11ac80/Band2_L TE Band2 QPSK1,0_20M	Temp./Humi.	:24.3/60
Frequency	:5290 MHz_1871 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A

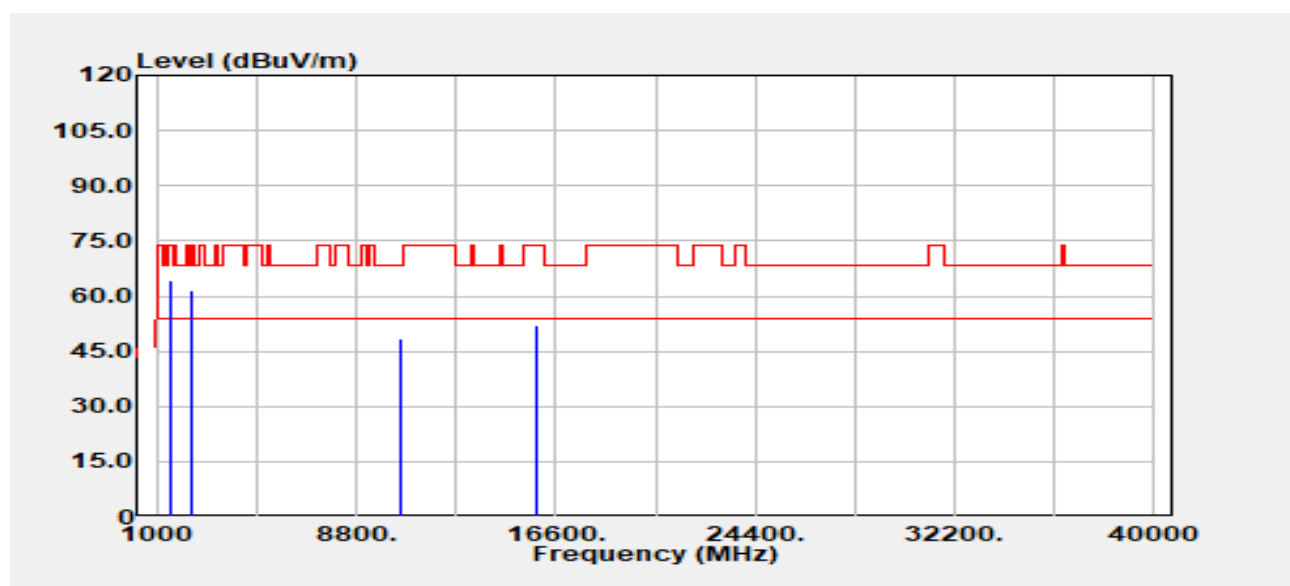


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
3742.00	Peak	45.48	0.23	45.71	82.20	-36.49
5613.00	Peak	49.05	4.91	53.96	82.20	-28.24
10580.00	Peak	36.07	12.96	49.03	68.20	-19.17
15870.00	Peak	35.64	16.00	51.64	74.00	-22.36
15870.00	Average	26.65	16.00	42.65	54.00	-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.: TMWK2402000500KR

Project No	:TM-2311000354P	Test Date	:2024-04-09
Operation Band	:NFC_802.11ac80/Band2_LT E Band13 QPSK1,0_10M	Temp./Humi.	:24.3/60
Frequency	:5290 MHz_777.6 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	Test Chamber	: 966A

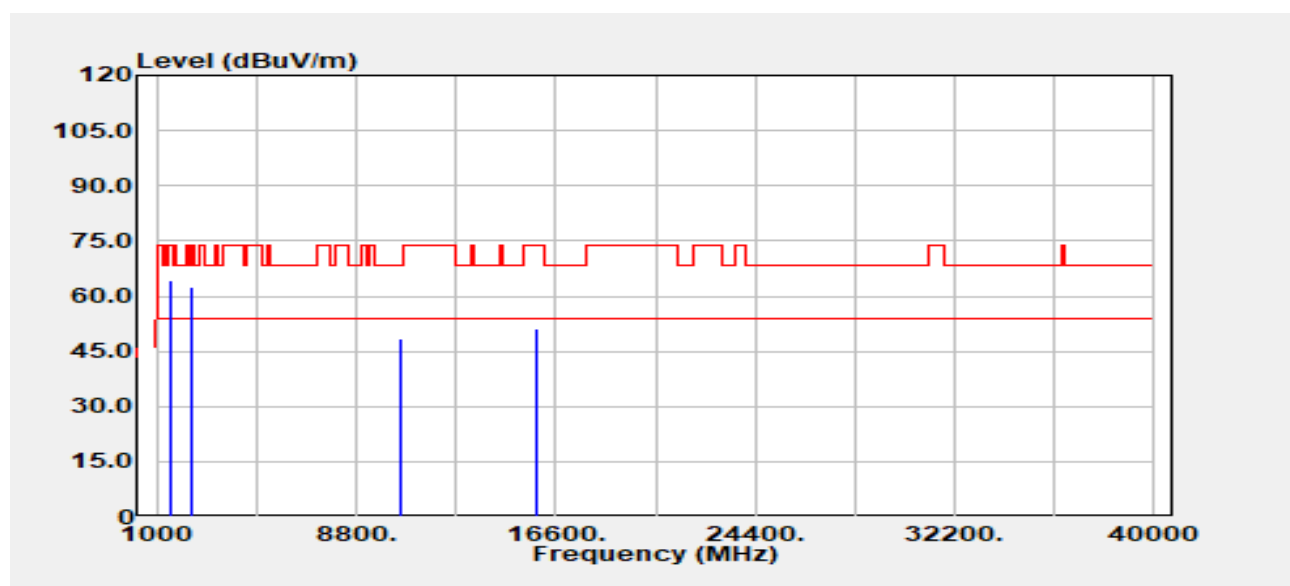


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
1555.20	Peak	71.45	-7.24	64.21	82.20	-17.99
2332.80	Peak	65.03	-3.61	61.42	82.20	-20.78
10580.00	Peak	35.41	12.96	48.38	68.20	-19.82
15870.00	Peak	36.20	16.00	52.20	74.00	-21.80
15870.00	Average	26.62	16.00	42.62	54.00	-11.38

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.: TMWK2402000500KR

Project No	:TM-2311000354P	Test Date	:2024-04-09
Operation Band	:NFC_802.11ac80/Band2_LT E Band13 QPSK1,0_10M	Temp./Humi.	:24.3/60
Frequency	:5290 MHz_777.6 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Ray Li
EUT Pol	:H	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
1555.20	Peak	71.50	-7.24	64.26	82.20	-17.94
2332.80	Peak	66.01	-3.61	62.40	82.20	-19.80
10580.00	Peak	35.34	12.96	48.30	68.20	-19.90
15870.00	Peak	35.07	16.00	51.07	74.00	-22.93
15870.00	Average	26.71	16.00	42.71	54.00	-11.29

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 -