

Project No: TM-2404000278P
Report No.: TMWK2404001240KR

FCC ID: SW8NDW6010Z1
IC: 11748A-NDW6010Z1

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RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART E

INDUSTRY CANADA RSS-247

Test Standard	FCC Part 15.407 IC RSS-247 issue 3 and IC RSS-GEN issue 5
Product name	Wireless Display TX Dongle
Brand Name	GOOD WAY
Model	NDW6010Z1
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:



Shawn Wu
Supervisor

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

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

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	July 12, 2024	Initial Issue	ALL	Allison Chen

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1. GENERAL INFORMATION

1.1 EUT INFORMATION

FCC Applicant & Manufacturer	Good Way Technology Co., Ltd. 3F, No. 135, Ln. 235, Baociao Rd., Sindian Dist., New Taipei City 231, Taiwan
IC Applicant & Manufacturer	GOOD WAY TECHNOLOGY CO., LTD. 3F, No. 135, Ln. 235, Baociao Rd., Sindian Dist., New Taipei City 231, Taiwan
Equipment	Wireless Display TX Dongle
Model	NDW6010Z1
Model Discrepancy	N/A
Brand Name	GOOD WAY
Received Date	April 22, 2024
Date of Test	May 17~ June 11, 2024
Power Supply	Power from host system. (DC 5V)
H/W Version	V1.0
S/W Version	15736049
Serial number	T24-00001528

Remark:

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

1.2 EUT CHANNEL INFORMATION

Frequency Range	<table border="1"> <tr> <th colspan="2">UNII-1</th></tr> <tr> <td>IEEE 802.11a</td><td>5180 ~ 5240 MHz</td></tr> <tr> <td>IEEE 802.11n HT 20</td><td>5180 ~ 5240 MHz</td></tr> </table>	UNII-1		IEEE 802.11a	5180 ~ 5240 MHz	IEEE 802.11n HT 20	5180 ~ 5240 MHz
UNII-1							
IEEE 802.11a	5180 ~ 5240 MHz						
IEEE 802.11n HT 20	5180 ~ 5240 MHz						
Modulation Type	1. IEEE 802.11a mode: OFDM 2. IEEE 802.11n HT 20 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 Gain	Brand: GOOD WAY Model: ANT NDW6000 TX Gain: 1.07 dBi
Antenna connector	N/A

Notes:

1. Antenna must use a unique type of connector to attach to the EUT. 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
Channel Bandwidth	± 2.7 %
RF output power (Spectrum)	± 2.440 dB
Power Spectral density	± 2.739 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 24803

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	Tony Chao	-
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 pubic Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309

1.6 INSTRUMENT CALIBRATION

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

966A_Radiated Wi-Fi 5GHz					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Analyzer	KEYSIGHT	N9010A	MY52220817	2024-03-15	2025-03-14
Thermo-Hygro Meter	WISEWIND	1206	D07	2023-12-08	2024-12-07
Active Loop Antenna	SCHWARZBECK	FMZB 1513-60	1513-60-028	2023-12-13	2024-12-12
Bi-Log Antenna	Sunol Sciences	JB3	A030105	2023-08-08	2024-08-07
Preamplifier	EMEC	EM330	060609	2024-02-21	2025-02-20
Cable	Huber+Suhner	104PEA	20995+21000+182330	2024-02-21	2025-02-20
Horn Antenna	ETC	MCTD 1209	DRH13M02003	2023-12-28	2024-12-27
Preamplifier	HP	8449B	3008A00965	2023-12-22	2024-12-21
Cable	EMCI	EMC101G	221213+221011+221012	2023-10-17	2024-10-16
Attenuator	Mini-Circuits	BW-S9W5	BWS9W5-09-966A-01	2024-02-07	2025-02-06
High Pass Filters	MICRO TRONICS	HPM13195	3	2024-01-23	2025-01-22
Horn Antenna	SCHWARZBECK	BBHA9170	1047	2023-12-13	2024-12-12
Pre-Amplifier	EMCI	EMC184045SE	980860	2023-12-12	2024-12-11
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Site Validation	CCS	966A	N/A	2023-07-10	2024-07-09
Software	e3 V9-210616c				

Remark:

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



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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	2024-02-29	2025-02-27
Cable	EMCI	CFD300-NL	CERF	2023-06-27	2024-06-26
Software	e3 V6-110812				

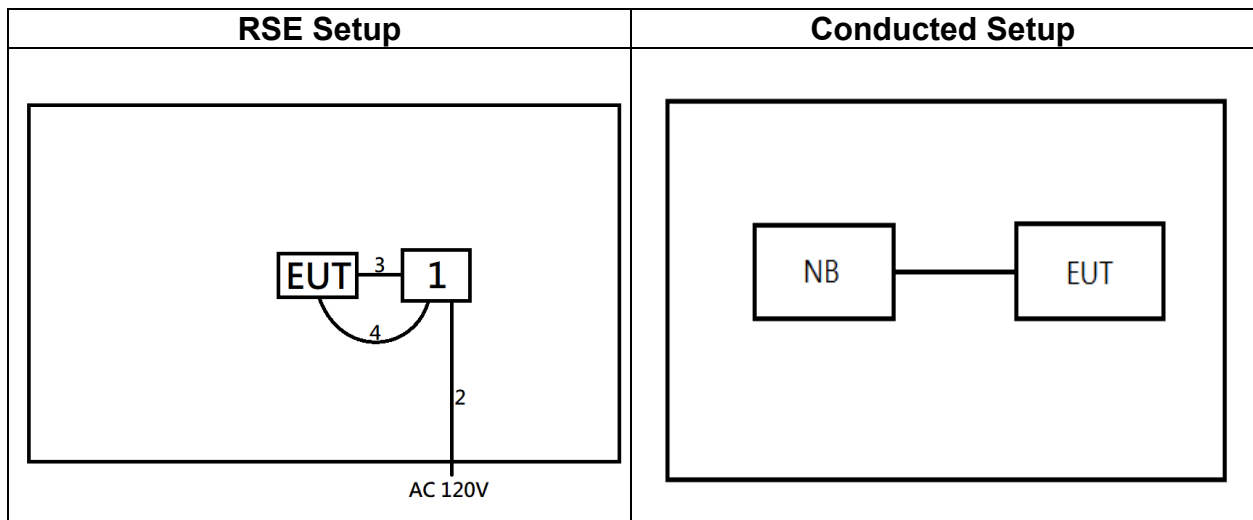
- Remark:**
- 1. Each piece of equipment is scheduled for calibration once a year.
 - 2. N.C.R. = No Calibration Required.

1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

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

Support Equipment						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	NB(D)	Lenovo	ThinkPad X260	N/A	N/A	N/A
2	Adapter	Lenovo	ADLX45DLC3A	N/A	N/A	N/A
3	USB-C Cable	Silicon-Power	SP BOOST LINK LK10AC	N/A	N/A	N/A
4	TypeC To TypeA	Cable Creation	CD0761	N/A	N/A	N/A
5	Adapter	deevan	DSA-24PFS-12L FUS 120200	N/A	N/A	N/A
6	NB(B)	Lenovo	T470	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, RSS-247 Issue 3 and RSS-GEN Issue 5.

2. TEST SUMMARY

FCC Standard Sec.	IC Standard Sec.	Chapter	Test Item	Result
15.203	RSS-Gen (6.8)	1.3	Antenna Requirement	Pass
15.207	RSS-Gen (8.8)	4.1	AC Conducted Emission	Pass
15.407(a)	-	4.2	26dB Bandwidth	Pass
15.407(e)	RSS-247(6.2.4.1)	4.2	6dB Bandwidth	Pass
2.1049	RSS-Gen (6.7)	4.2	Occupied Bandwidth (99%)	Pass
15.407(a)	RSS-247(6.2.1.1)	4.3	Output Power Measurement	Pass
15.407(a)	RSS-247(6.2.1.1)	4.4	Power Spectral Density	Pass
15.407(b) 15.205	RSS-247(6.2.1.2)	4.5	Radiation Band Edge	Pass
15.407(b) 15.205	RSS-247(6.2.1.2)	4.5	Radiation Spurious Emission	Pass

3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	1. IEEE 802.11a mode: 6Mbps 2. IEEE 802.11n HT 20 mode: MCS0		
Operating Frequency Range & Number of Channels			
		Mode	Frequency Range (MHz)
	U-NII-1	IEEE 802.11a	5180, 5220, 5240
IEEE 802.11n HT 20		5180, 5220, 5240	

Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.

3.2 THE WORST MODE OF MEASUREMENT

AC Power Line Conducted Emission	
Test Condition	AC Power line conducted emission for line and neutral
Power supply Mode	Mode 1: EUT Power by Host System
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT power by Host System
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4
Worst Position	☐ Placed in fixed position. ☒ Placed in fixed position at X-Plane (E2-Plane) ☐ Placed in fixed position at Y-Plane (E1-Plane) ☐ Placed in fixed position at Z-Plane (H-Plane)

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT power by Host System
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

3.3 EUT DUTY CYCLE

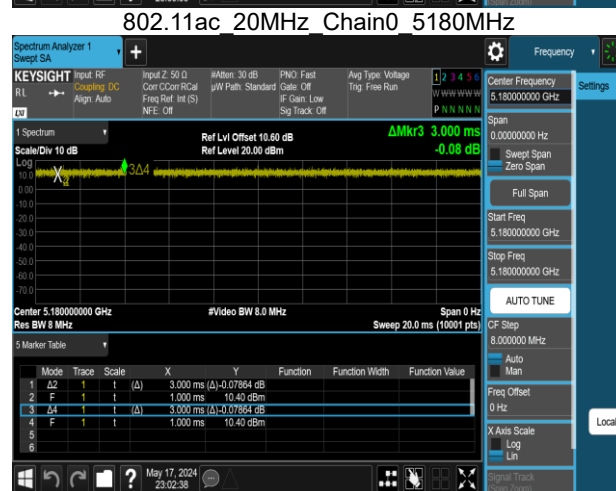
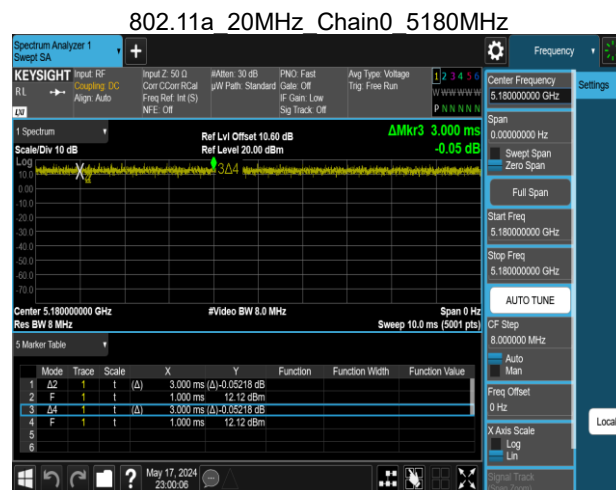
Temperature: 20.3 ~ 24°C

Test date: May 17~31, 2024

Humidity: 56 ~ 64% RH

Tested by: Marco Chan

Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11a	100.00	0.00	0.00	0.01
802.11n_20	100.00	0.00	0.00	0.01



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(dB μ V)	
	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

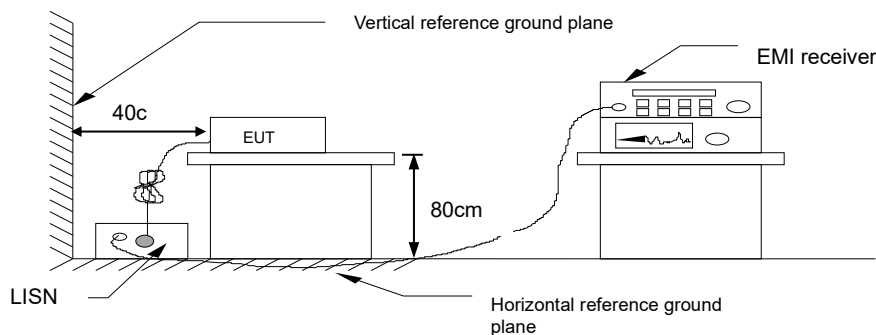
* Decreases with the logarithm of the frequency.

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



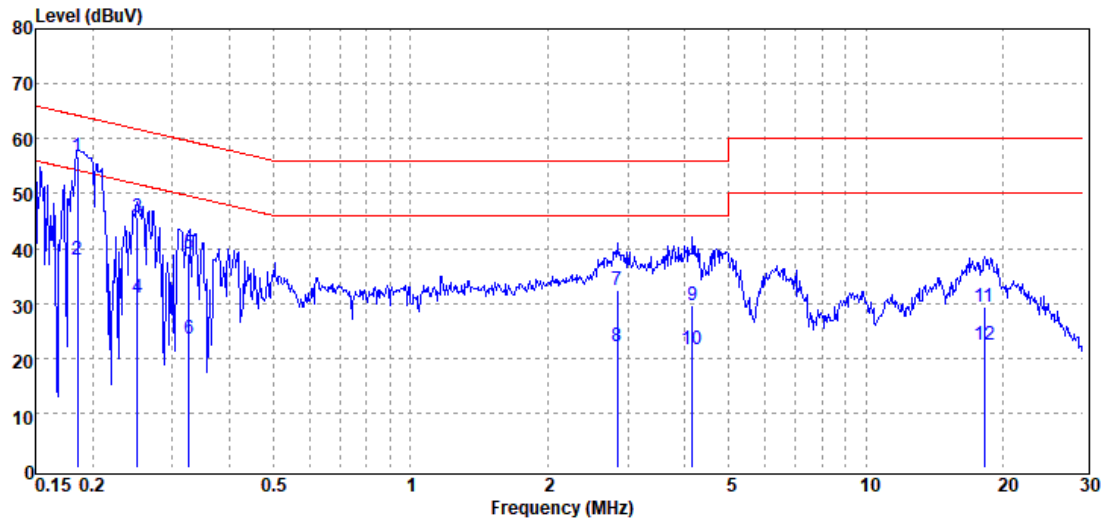
4.1.4 Test Result

Pass.

Test Data

Project No : TM-2404000278P
Operation Mode : 5G
Test Chamber : Conduction
Probe : LINE
Note :

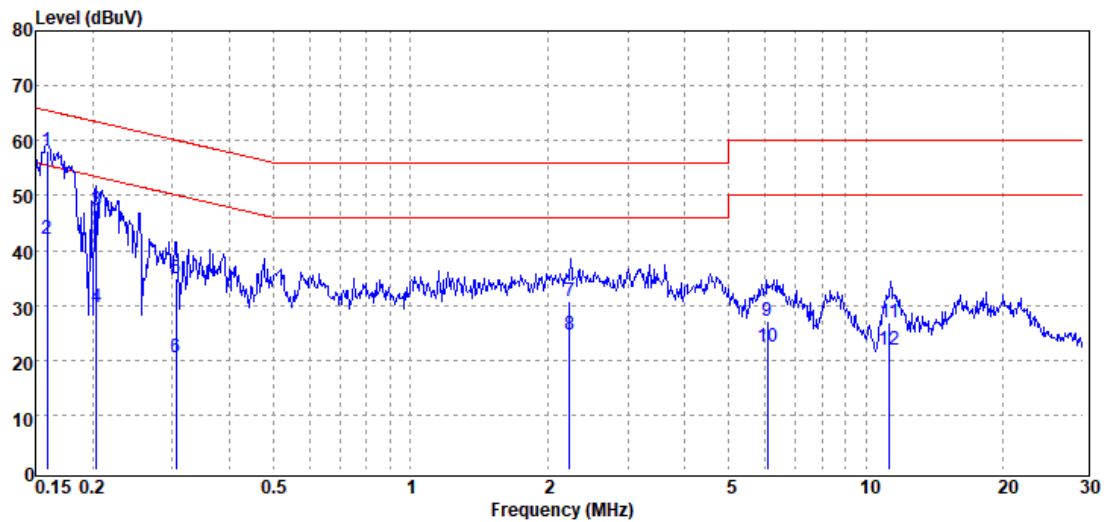
Test Date : 2024-05-22
Temp./Humi. : 24.3°C / 54%
Engineer : Tony.Chao
Test Voltage : AC 120V/60Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.185	QP	56.49	0.15	56.64	64.24	-7.60
0.185	Average	37.83	0.15	37.98	54.24	-16.26
0.251	QP	45.58	0.15	45.73	61.73	-16.00
0.251	Average	30.88	0.15	31.03	51.73	-20.70
0.326	QP	38.75	0.15	38.90	59.55	-20.65
0.326	Average	23.42	0.15	23.57	49.55	-25.98
2.842	QP	32.18	0.24	32.42	56.00	-23.58
2.842	Average	21.93	0.24	22.17	46.00	-23.83
4.155	QP	29.44	0.26	29.70	56.00	-26.30
4.155	Average	21.21	0.26	21.47	46.00	-24.53
18.217	QP	28.73	0.49	29.22	60.00	-30.78
18.217	Average	22.04	0.49	22.53	50.00	-27.47

Project No : TM-2404000278P
Operation Mode : 5G
Test Chamber : Conduction
Probe : NEUTRAL
Note :

Test Date : 2024-05-22
Temp./Humi. : 24.3°C / 54%
Engineer : Tony.Chao
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	57.81	0.20	58.01	65.50	-7.49
0.159	Average	41.85	0.20	42.05	55.50	-13.45
0.204	QP	47.17	0.19	47.36	63.45	-16.09
0.204	Average	29.49	0.19	29.68	53.45	-23.77
0.306	QP	34.55	0.19	34.74	60.09	-25.35
0.306	Average	20.32	0.19	20.51	50.09	-29.58
2.238	QP	30.43	0.26	30.69	56.00	-25.31
2.238	Average	24.35	0.26	24.61	46.00	-21.39
6.070	QP	26.80	0.34	27.14	60.00	-32.86
6.070	Average	22.21	0.34	22.55	50.00	-27.45
11.262	QP	26.39	0.41	26.80	60.00	-33.20
11.262	Average	21.39	0.41	21.80	50.00	-28.20

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

Note: 2. Margin= Actual FS - Limit

4.2 26DB BANDWIDTH AND OCCUPIED BANDWIDTH(99%)

4.2.1 Test Limit

26 dB Bandwidth : For reporting purposes only.

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

4.2.2 Test Procedure

26dB

1. This measurement setting are specified in section D of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW: approximately 1% of the emission bandwidth.
3. Set the VBW>RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26dB down from the peak of the emission. Compare this with the RBW setting of the analyser. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

99%

1. This measurement setting are specified in section D of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set center frequency to the nominal EUT channel center frequency.
3. Set span = 1.5 times to 5.0 times the OBW.
4. Set RBW = 1 % to 5% of the OBW.
5. Set VBW $\geq$ 3 xRBW

4.2.3 Test Setup

Please refer to section 1.8.

4.2.4 Test Result

Temperature: 20.3 ~ 24℃ **Test date:** May 17~31, 2024
Humidity: 56 ~ 64% RH **Tested by:** Marco Chan

Occupied Bandwidth(99%)

802.11a_Ch0

Frequency (MHz)	99% BW (MHz)	10 Log (B) (dB)
5180	16.487	12.170
5220	16.609	12.200
5240	16.494	12.170

802.11n_HT20_Ch0

Frequency (MHz)	99% BW (MHz)	10 Log (B) (dB)
5180	17.539	12.440
5220	17.854	12.520
5240	17.662	12.470

26 dB Bandwidth

802.11a_Ch0

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5180	28.30	14.520
5220	29.77	14.740
5240	29.87	14.750

802.11a_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5240	5248.319142	< 5250

802.11n_HT20_Ch0

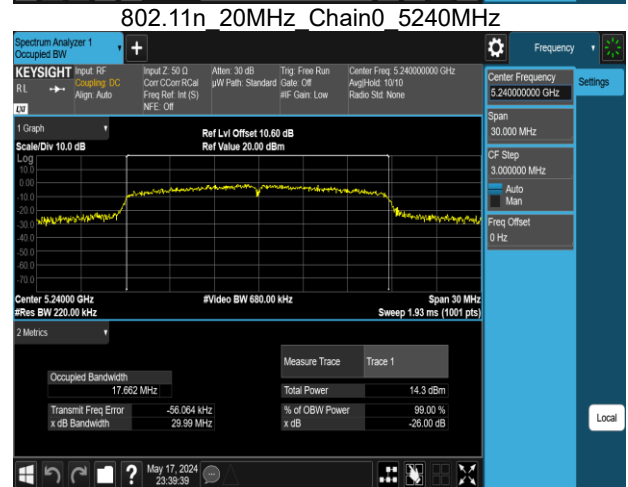
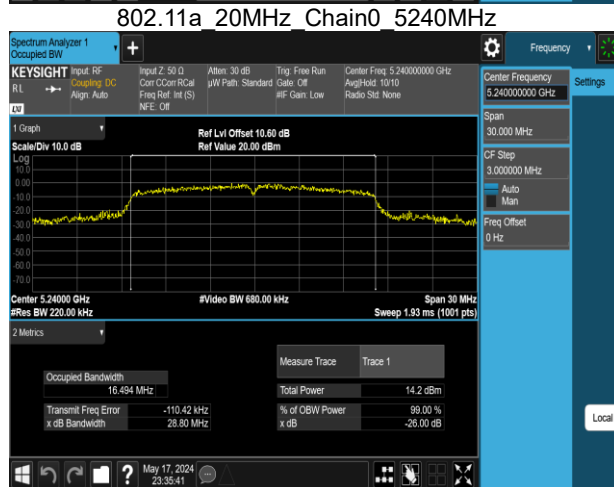
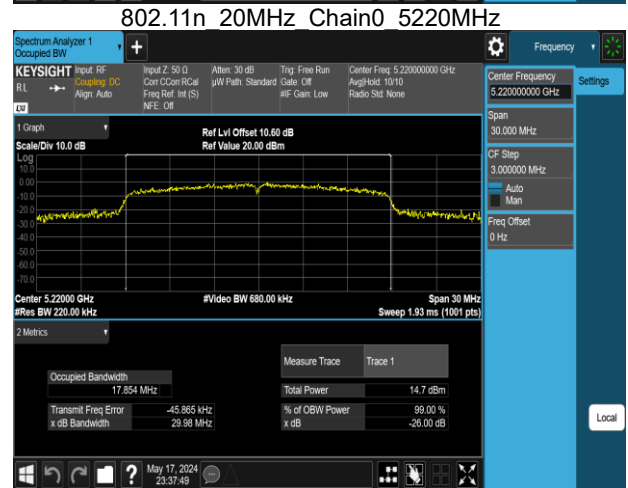
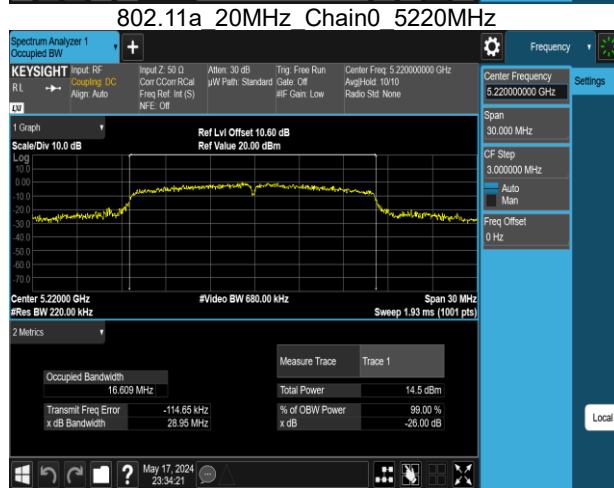
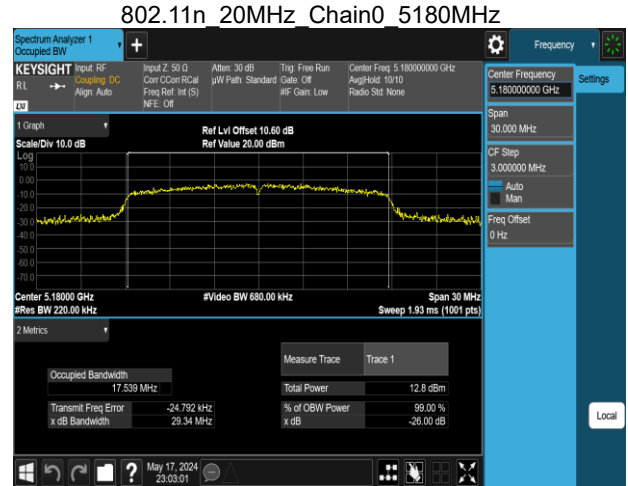
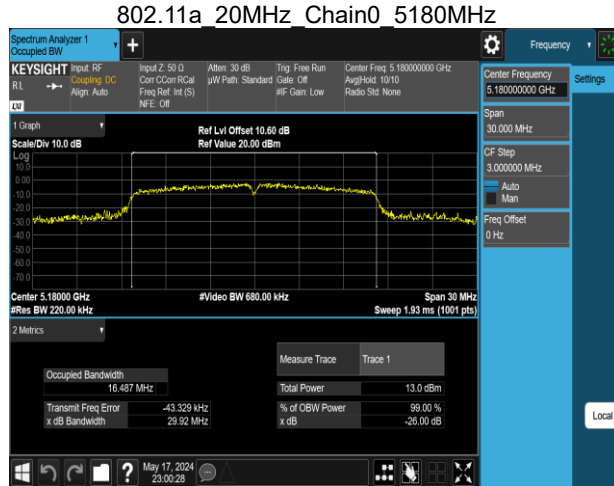
Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5180	26.44	14.220
5220	29.87	14.750
5240	29.39	14.680

802.11n_HT20_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5240	5248.807243	< 5250

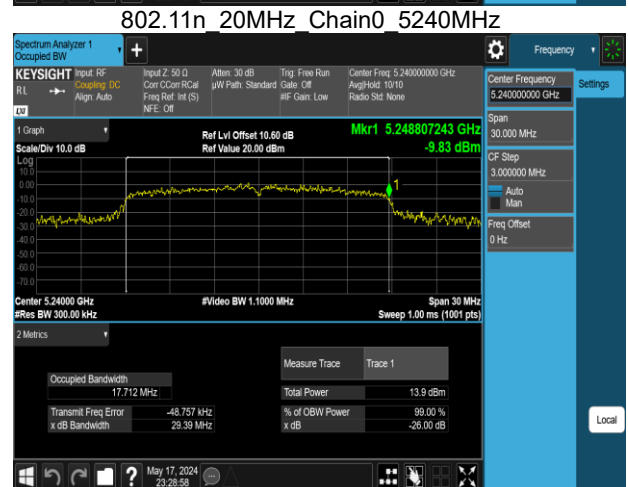
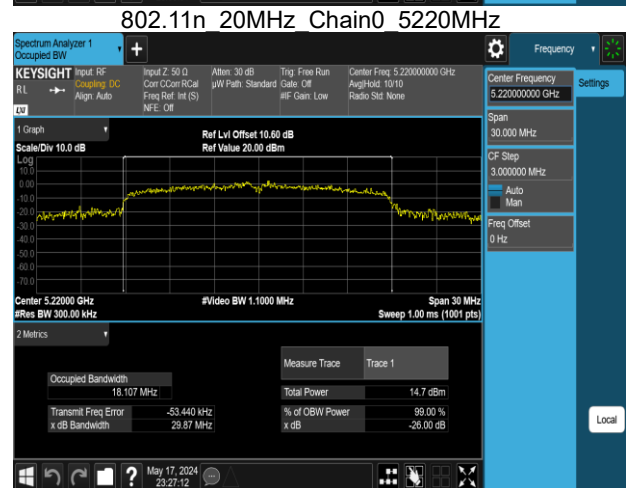
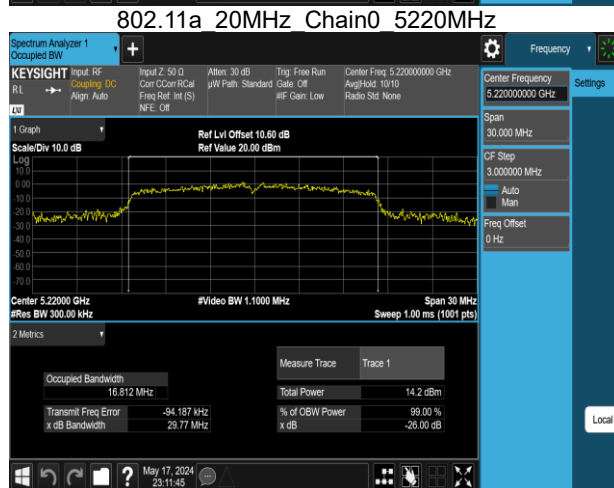
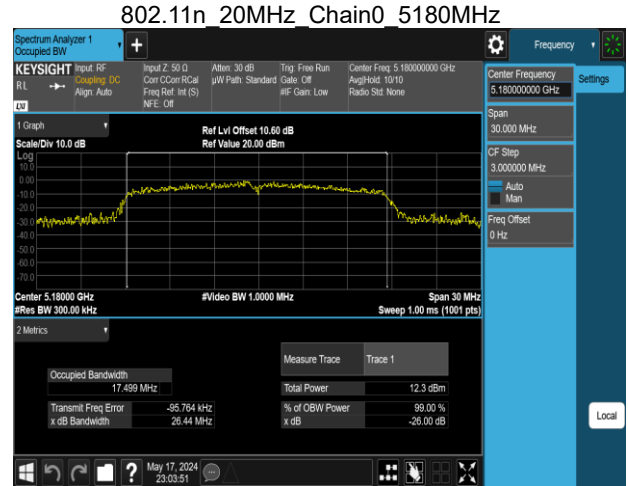
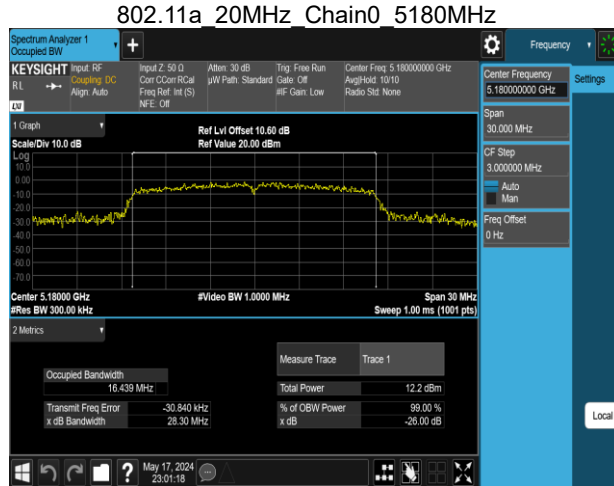
Test Data

Occupied Bandwidth(99%)



Test Data

26 dB Bandwidth



4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.407 (a)(1),

FCC:

UNII-1 :

(iv) For client devices, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW 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-1 Limit	☒ Antenna not exceed 6 dBi : 24dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 24 – (DG – 6)]
--------------	--

According to RSS-247 section 6.2.1.1

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-1 Limit	☒ 200mW or $10 + 10 \log_{10} B$ for IC ☐ Antenna with DG greater than 6 dBi : [Limit = $30 - (DG - 6)$]
--------------	--

4.3.2 Test Procedure

Test method Refer as KDB 789033 D02, Section E.3.b for BW 20MHz, 40MHz and 80MHz, E.2.b for BW 160MHz.

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.

4.3.3 Test Setup

Please refer to section 1.8.

4.3.4 Test Result

Temperature: 20.3 ~ 24°C **Test date:** May 17~31, 2024
Humidity: 56 ~ 64% RH **Tested by:** Marco Chan

Conducted output power :

For FCC:

802.11a_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	102	9.484	9.77	23.98	PASS
44	5220	6	113	11.912	10.76	23.98	PASS
48	5240	6	113	5.998	7.78	23.98	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	102	9.057	9.57	23.98	PASS
44	5220	MCS0	113	11.588	10.64	23.98	PASS
48	5240	MCS0	113	5.636	7.51	23.98	PASS

For IC:

802.11a_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	102	9.484	9.77	23.98	PASS
44	5220	6	113	11.912	10.76	23.98	PASS
48	5240	6	113	5.998	7.78	23.98	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	102	9.057	9.57	23.98	PASS
44	5220	MCS0	113	11.588	10.64	23.98	PASS
48	5240	MCS0	113	5.636	7.51	23.98	PASS

EIRP Power:

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	9.77	1.07	12.134	10.84	22.17	PASS
44	5220	10.76	1.07	15.241	11.83	22.2	PASS
48	5240	7.78	1.07	7.674	8.85	22.17	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	9.57	1.07	11.588	10.64	22.44	PASS
44	5220	10.64	1.07	14.825	11.71	22.52	PASS
48	5240	7.51	1.07	7.211	8.58	22.47	PASS

4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.407 (a)(1) and RSS-247 section 6.2.1(1)

UNII-1 :

FCC:

The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

IC:

The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

UNII-1 Limit	☒ Antenna not exceed 6 dBi : 11 dBm ☒ IC: 10dB/MHz ☐ Antenna with DG greater than 6 dBi : [Limit = 11 – (DG – 6)]
--------------	---

4.4.2 Test Procedure

Test method Refer as KDB 789033 D02

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. UNII-1, UNII-2a and UNII-2c, SA set RBW = 1MHz, VBW = 3MHz and Detector = RMS, to measurement Power Density.
4. UNII-3, SA set RBW = 500kHz, VBW = 2MHz and Detector = RMS, to measurement Power Density
5. The path loss and Duty Factor were compensated to the results for each measurement by SA.
6. Mark the maximum level.
7. Measure and record the result of power spectral density. in the test report.

4.4.3 Test Setup

Please refer to section 1.8.

4.4.4 Test Result

Temperature: 20.3 ~ 24°C **Test date:** May 17~31, 2024
Humidity: 56 ~ 64% RH **Tested by:** Marco Chan

Power Density:

POWER DENSITY 802.11a MODE					
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)	Limit	Margin (dB)
5180	-1.529	0.00	-1.529	11.00 dBm/MHz	-12.53
5220	0.312	0.00	0.312	11.00 dBm/MHz	-10.69
5240	0.036	0.00	0.036	11.00 dBm/MHz	-10.96

POWER DENSITY 802.11n HT20 MODE					
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)	Limit	Margin (dB)
5180	-1.633	0.00	-1.633	11.00 dBm/MHz	-12.63
5220	0.381	0.00	0.381	11.00 dBm/MHz	-10.62
5240	0.340	0.00	0.340	11.00 dBm/MHz	-10.66

Power Density (EIRP):

EIRP spectral density 802.11a MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5180	-1.529	1.07	-0.46	10	-10.46
5220	0.312	1.07	1.38	10	-8.62
5240	0.036	1.07	1.11	10	-8.89

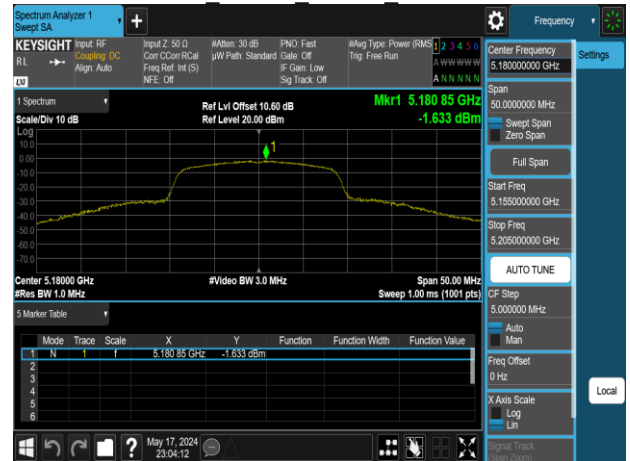
EIRP spectral density 802.11n HT20 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5180	-1.633	1.07	-0.56	10	-10.56
5220	0.381	1.07	1.45	10	-8.55
5240	0.340	1.07	1.41	10	-8.59

Test Data

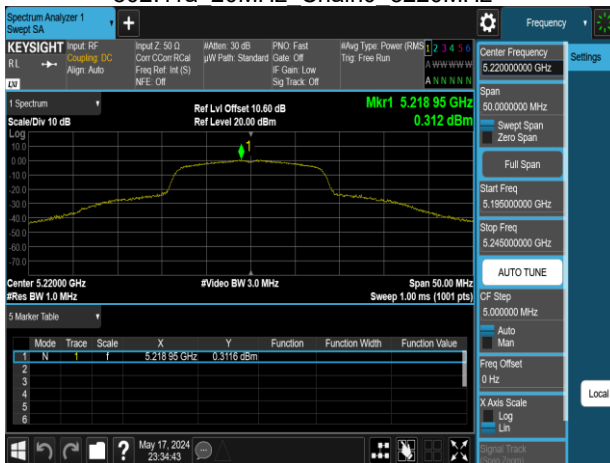
802.11a 20MHz Chain0 5180MHz



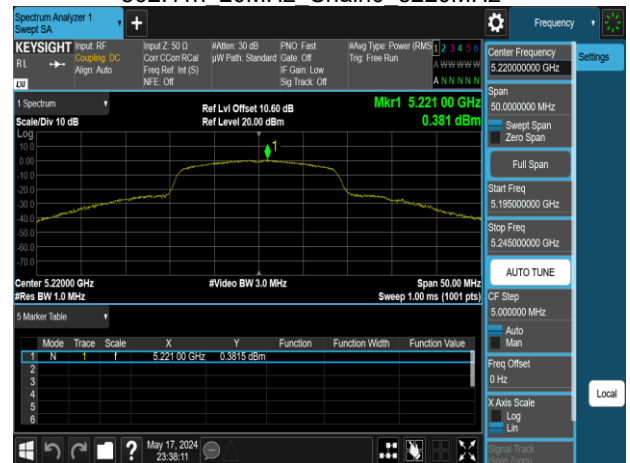
802.11n 20MHz Chain0 5180MHz



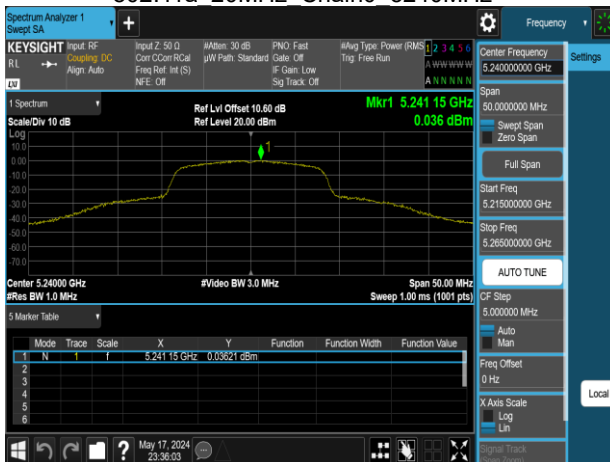
802.11a 20MHz Chain0 5220MHz



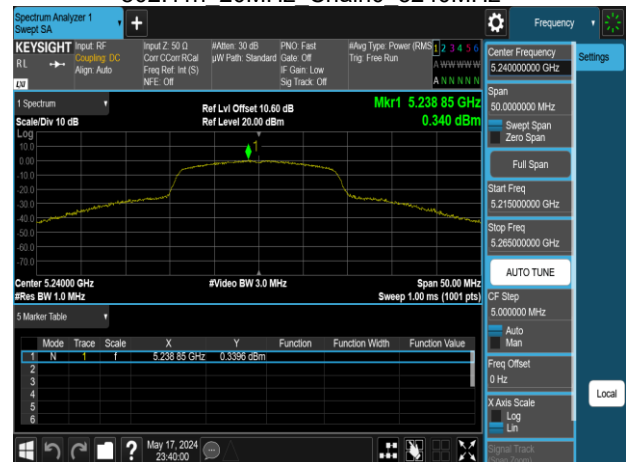
802.11n 20MHz Chain0 5220MHz



802.11a 20MHz Chain0 5240MHz



802.11n 20MHz Chain0 5240MHz



4.5 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.5.1 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

According to RSS-247 section 6.2.1.2,

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

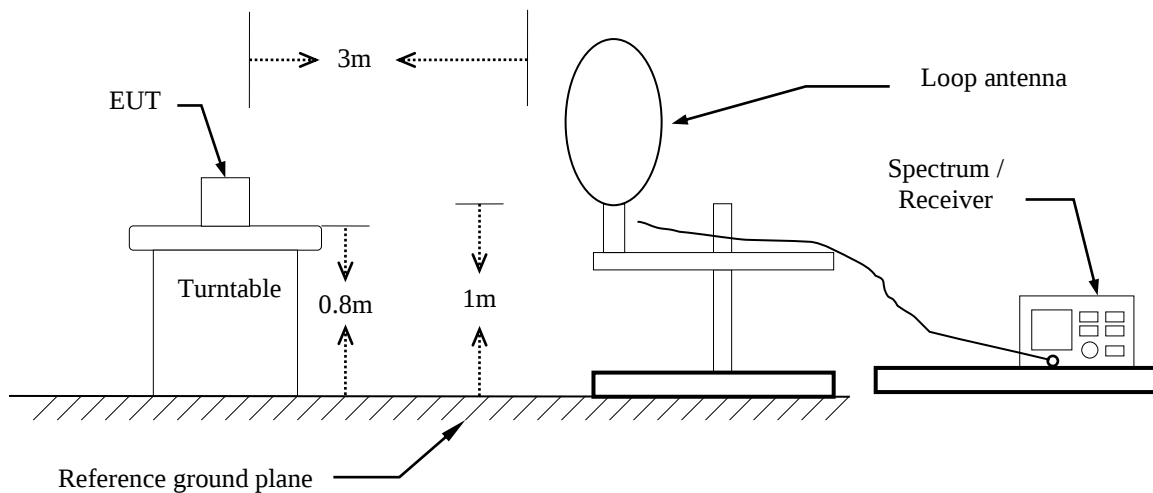
4.5.2 Test Procedure

Test method Refer as KDB 789033 D02.

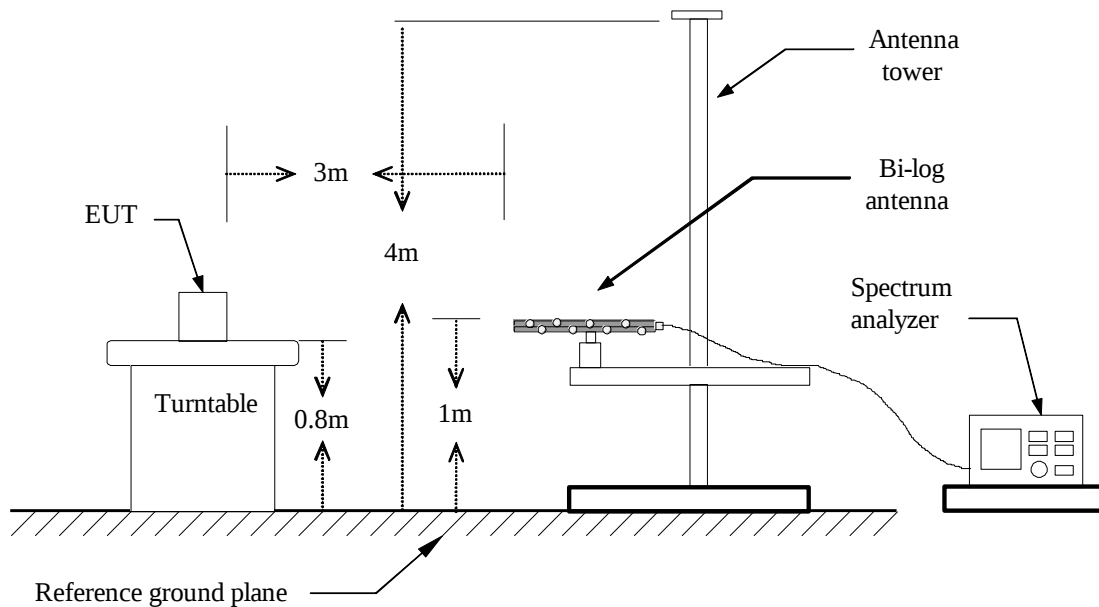
1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And 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 ≥ 3 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.

4.5.3 Test Setup

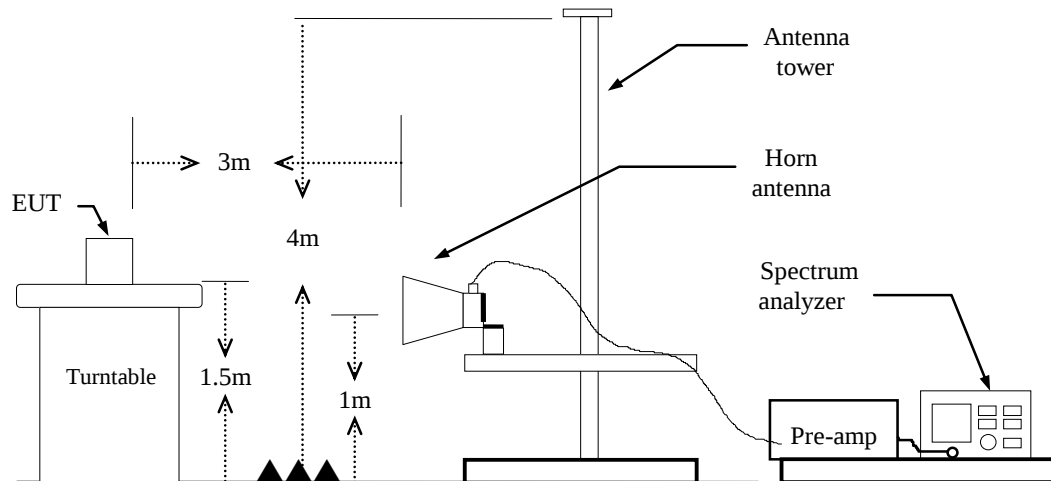
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz

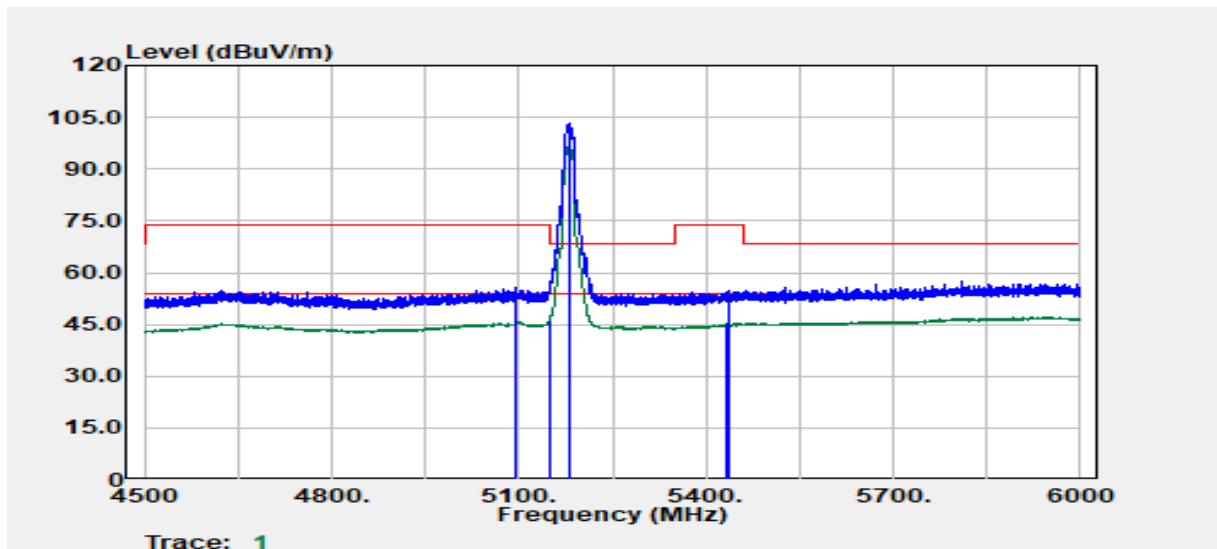


4.5.4 Test Result

Test Data

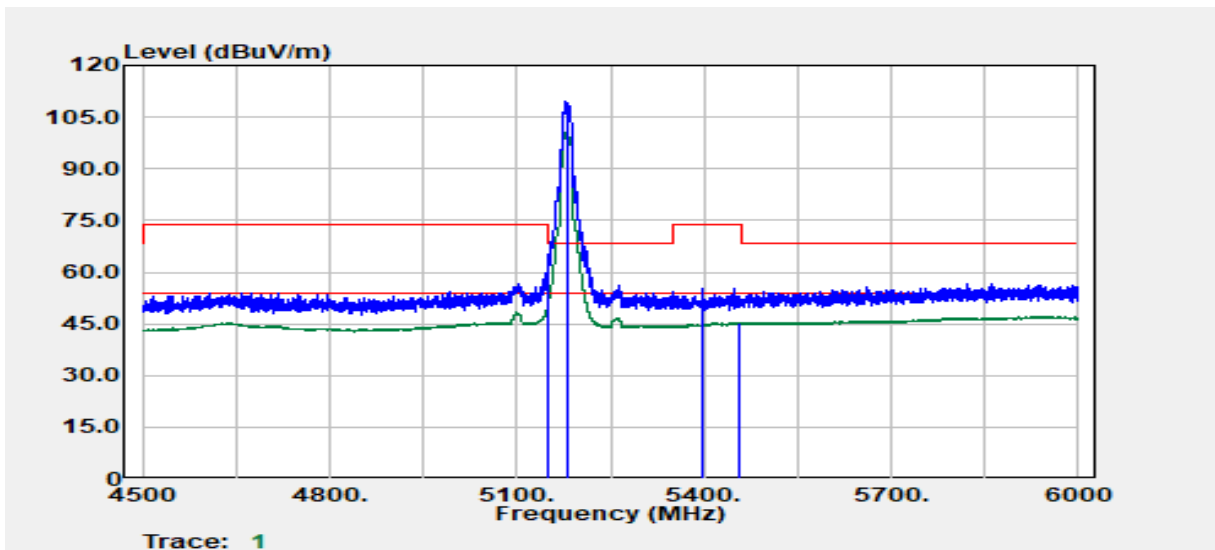
Band Edge

Project No	:TM-2404000278P	Test Date	:2024-05-17
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5180 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:102		



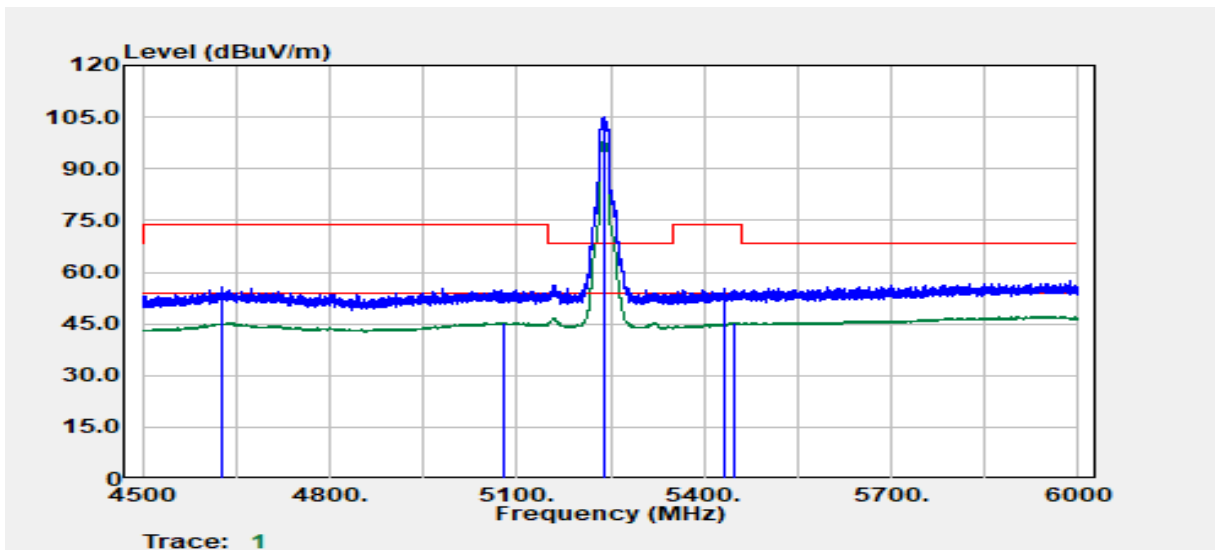
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5095.20	Peak	41.86	13.74	55.60	74.00	-18.40
5149.93	Average	32.34	13.73	46.07	54.00	-7.93
5180.00	Peak	89.55	13.81	103.36	--	--
5180.00	Average	82.78	13.81	96.59	--	--
5433.53	Average	30.84	14.29	45.13	54.00	-8.87
5438.03	Peak	40.39	14.33	54.71	74.00	-19.29

Project No	:TM-2404000278P	Test Date	:2024-05-17
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5180 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:102		



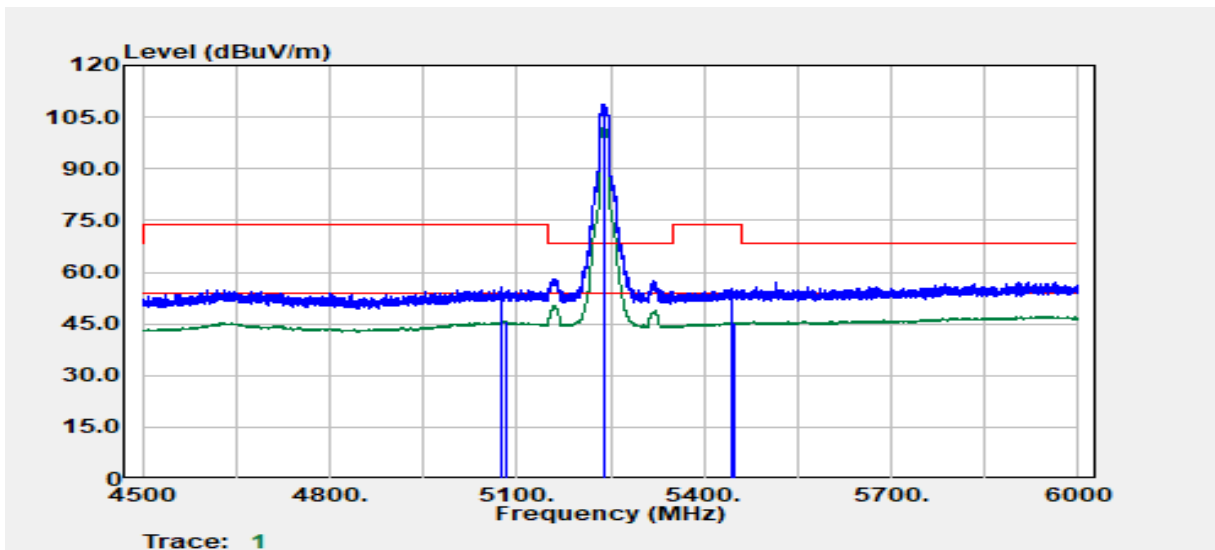
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5149.18	Peak	48.04	13.73	61.77	74.00	-12.23
5149.93	Average	36.73	13.73	50.46	54.00	-3.54
5180.00	Peak	95.70	13.81	109.51	--	--
5180.00	Average	86.81	13.81	100.61	--	--
5398.05	Peak	41.06	14.03	55.10	74.00	-18.90
5455.27	Average	30.81	14.40	45.21	54.00	-8.79

Project No	:TM-2404000278P	Test Date	:2024-05-17
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5240 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:113		



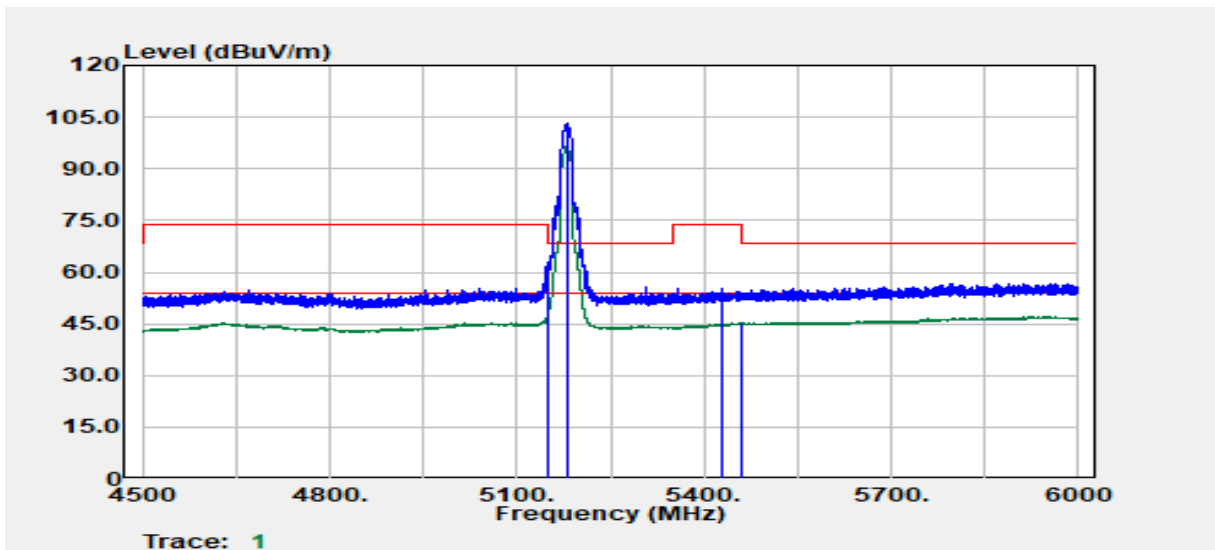
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
4627.69	Peak	42.98	12.79	55.78	74.00	-18.22
5078.96	Average	31.57	13.71	45.28	54.00	-8.72
5240.00	Peak	90.93	13.91	104.84	--	--
5240.00	Average	84.21	13.91	98.13	--	--
5432.03	Peak	40.80	14.28	55.08	74.00	-18.92
5447.03	Average	30.85	14.39	45.24	54.00	-8.76

Project No	:TM-2404000278P	Test Date	:2024-05-17
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5240 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:113		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5075.96	Peak	42.05	13.71	55.76	74.00	-18.24
5082.21	Average	31.81	13.72	45.53	54.00	-8.47
5240.00	Peak	94.88	13.91	108.79	--	--
5240.00	Average	88.16	13.91	102.07	--	--
5443.03	Peak	40.80	14.36	55.16	74.00	-18.84
5448.28	Average	30.98	14.40	45.39	54.00	-8.61

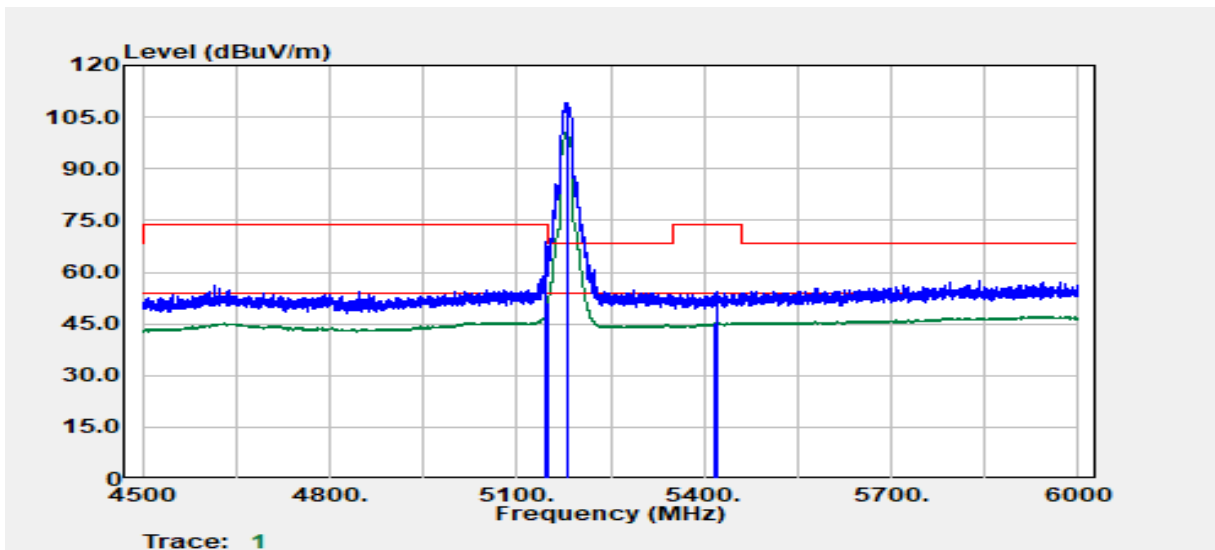
Project No	:TM-2404000278P	Test Date	:2024-05-17
Operation Band	:802.11n20/Band1	Temp./Humi.	:24.6/57
Frequency	:5180 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:Bandedge	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:102		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5148.93	Peak	48.24	13.73	61.97	74.00	-12.03
5149.68	Average	34.22	13.73	47.95	54.00	-6.05
5180.00	Peak	89.23	13.81	103.04	--	--
5180.00	Average	82.70	13.81	96.51	--	--
5427.29	Peak	40.90	14.24	55.15	74.00	-18.85
5458.77	Average	30.72	14.39	45.11	54.00	-8.89

Project No :TM-2404000278P
Operation Band :802.11n20/Band1
Frequency :5180 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :102

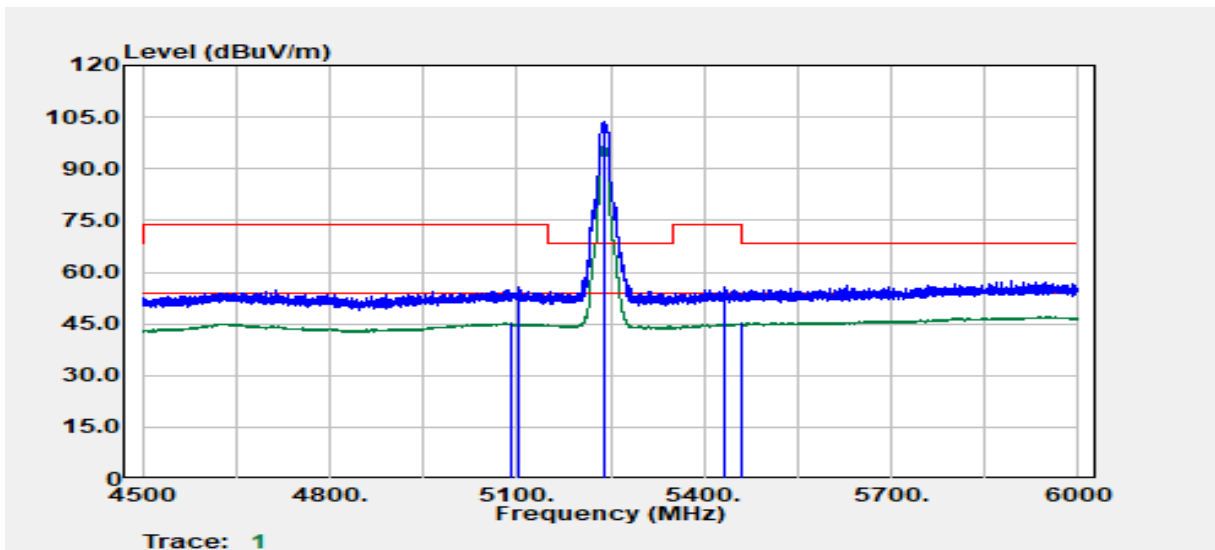
Test Date :2024-05-17
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony.Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5146.93	Peak	55.00	13.73	68.73	74.00	-5.27
5149.93	Average	37.45	13.73	51.18	54.00	-2.82
5180.00	Peak	95.19	13.81	109.00	--	--
5180.00	Average	86.70	13.81	100.51	--	--
5418.04	Average	31.28	14.18	45.45	54.00	-8.55
5419.04	Peak	40.36	14.18	54.54	74.00	-19.46

Project No :TM-2404000278P
Operation Band :802.11n20/Band1
Frequency :5240 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :113

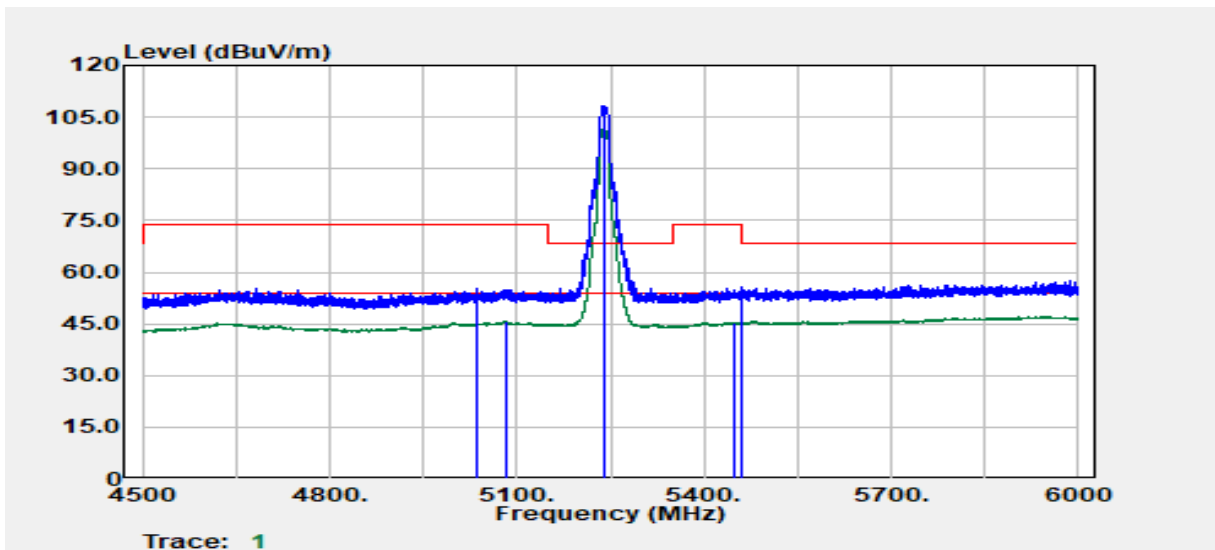
Test Date :2024-05-17
Temp./Humi. :24.6/57
Antenna Pol. :VERTICAL
Engineer :Tony.Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5090.46	Average	31.38	13.73	45.12	54.00	-8.88
5103.95	Peak	41.76	13.75	55.51	74.00	-18.49
5240.00	Peak	89.63	13.91	103.54	--	--
5240.00	Average	82.95	13.91	96.86	--	--
5430.79	Peak	41.21	14.27	55.48	74.00	-18.52
5460.02	Average	30.74	14.39	45.13	54.00	-8.87

Project No :TM-2404000278P
Operation Band :802.11n20/Band1
Frequency :5240 MHz
Operation Mode :Bandedge
EUT Pol :E2
Setting :113

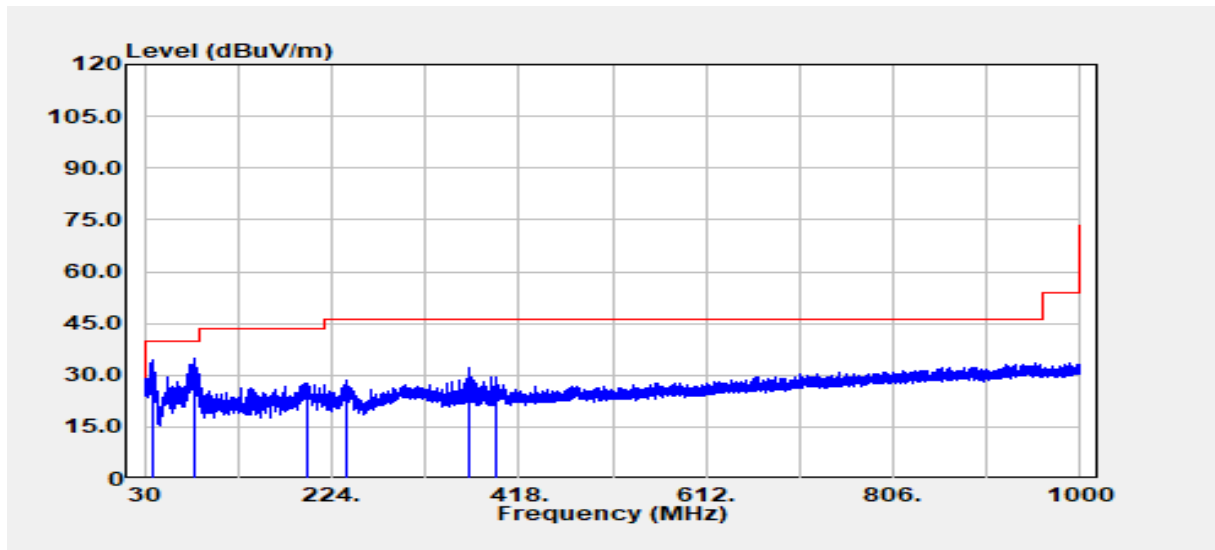
Test Date :2024-05-17
Temp./Humi. :24.6/57
Antenna Pol. :HORIZONTAL
Engineer :Tony.Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
5034.23	Peak	41.61	13.55	55.16	74.00	-18.84
5081.21	Average	31.84	13.72	45.56	54.00	-8.44
5240.00	Peak	94.40	13.91	108.31	--	--
5240.00	Average	87.81	13.91	101.72	--	--
5450.03	Average	31.04	14.41	45.45	54.00	-8.55
5458.52	Peak	41.19	14.39	55.58	74.00	-18.42

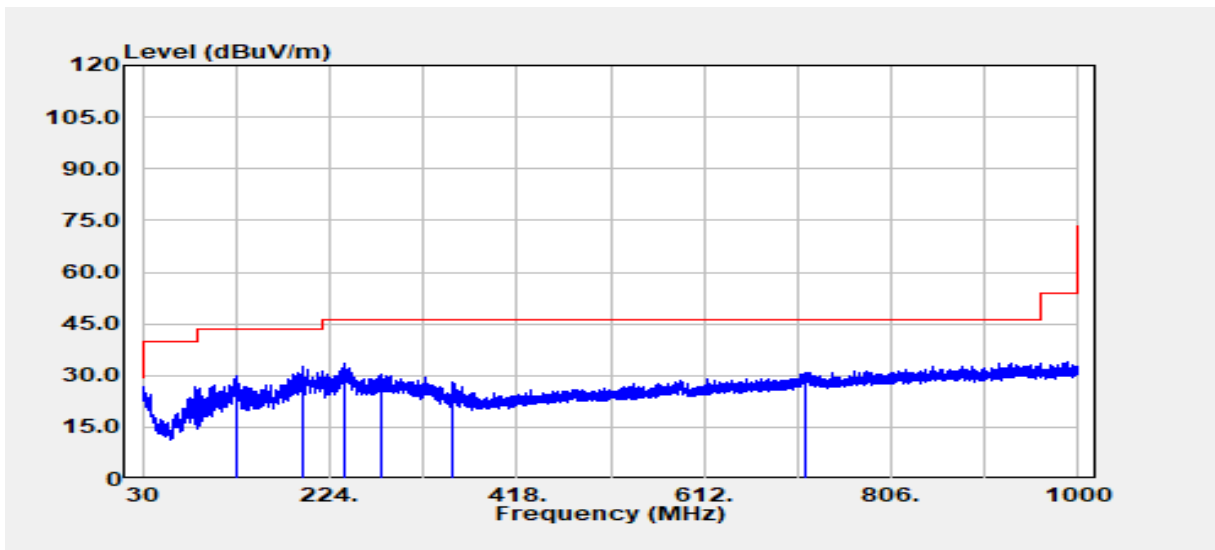
TX

Project No	:TM-2404000278P	Test Date	:2024-06-11
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5240 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:113		



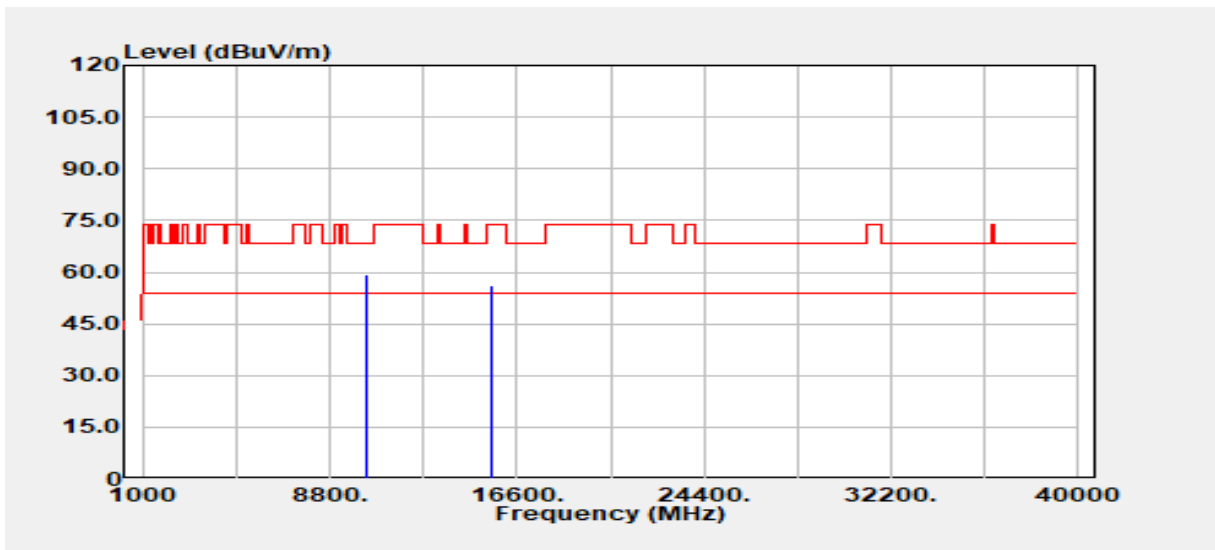
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBuV	Factor dB	Actual FS dBuV/m	Limit dBuV/m	Margin dB
38.30	Peak	42.85	-8.40	34.45	40.00	-5.55
80.90	Peak	50.65	-15.63	35.02	40.00	-4.98
198.30	Peak	37.55	-9.97	27.58	43.50	-15.92
238.60	Peak	39.21	-10.68	28.53	46.00	-17.47
365.80	Peak	38.98	-6.94	32.04	46.00	-13.96
394.80	Peak	35.51	-5.88	29.63	46.00	-16.37

Project No	:TM-2404000278P	Test Date	:2024-06-11
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5240 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:113		



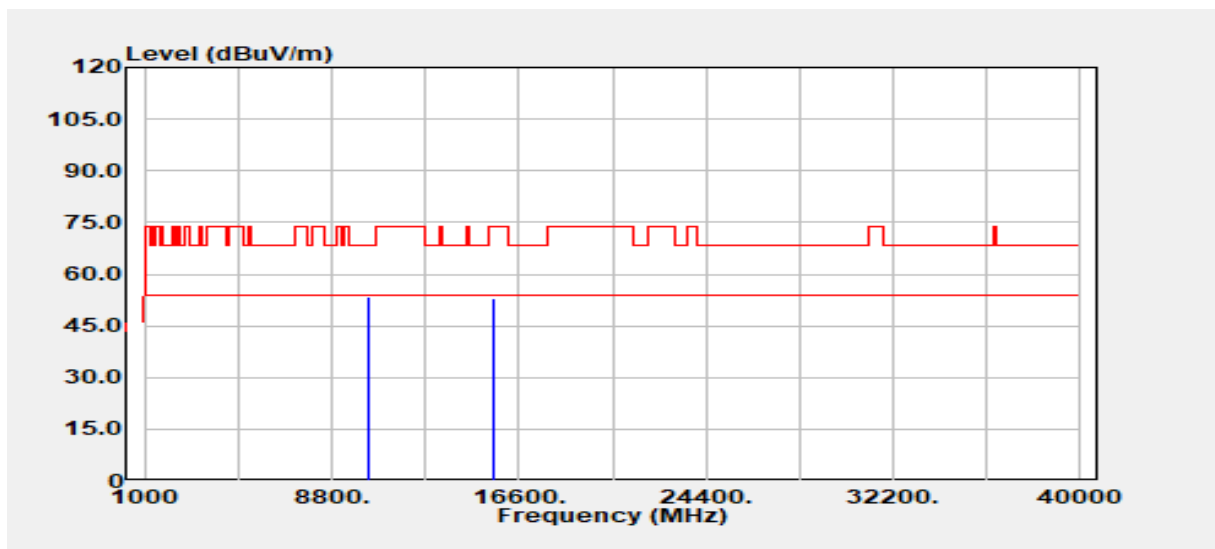
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
128.20	Peak	39.00	-9.05	29.96	43.50	-13.54
197.10	Peak	43.03	-10.22	32.81	43.50	-10.69
239.50	Peak	44.35	-10.63	33.72	46.00	-12.28
277.60	Peak	38.97	-8.82	30.14	46.00	-15.86
352.10	Peak	35.55	-7.31	28.24	46.00	-17.76
718.20	Peak	30.41	0.35	30.76	46.00	-15.24

Project No	:TM-2404000278P	Test Date	:2024-05-17
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5180 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Ray.Li
EUT Pol	:E2	Test Chamber	: 966A
Setting	:102		



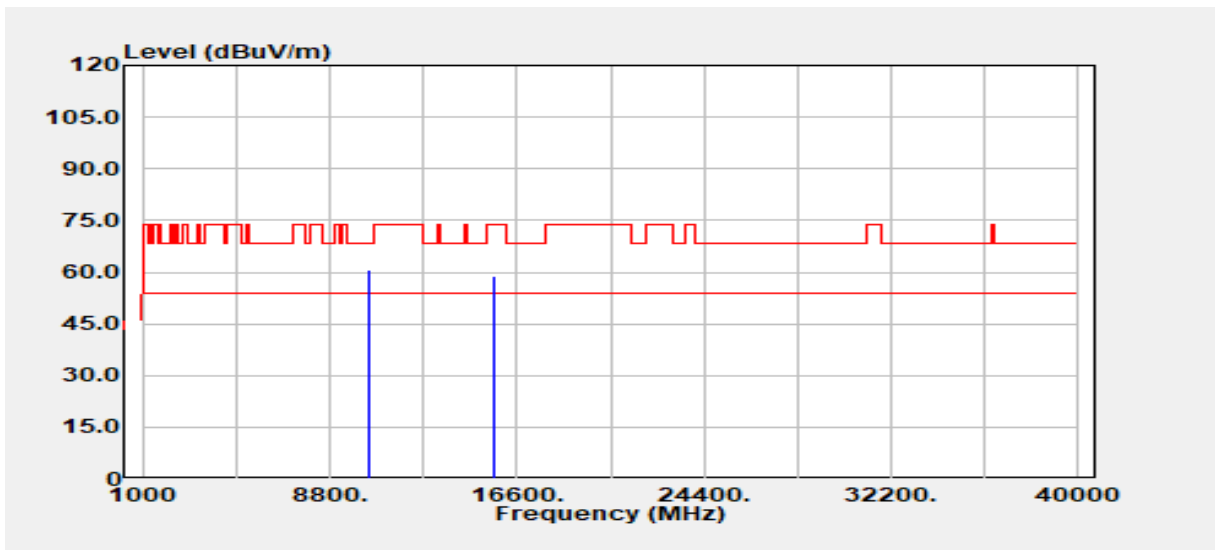
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10360.00	Peak	46.39	12.85	59.23	68.20	-8.97
15540.00	Peak	41.31	14.87	56.18	74.00	-17.82
15540.00	Average	33.81	14.87	48.68	54.00	-5.32

Project No	:TM-2404000278P	Test Date	:2024-05-17
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5180 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Ray.Li
EUT Pol	:E2	Test Chamber	: 966A
Setting	:102		



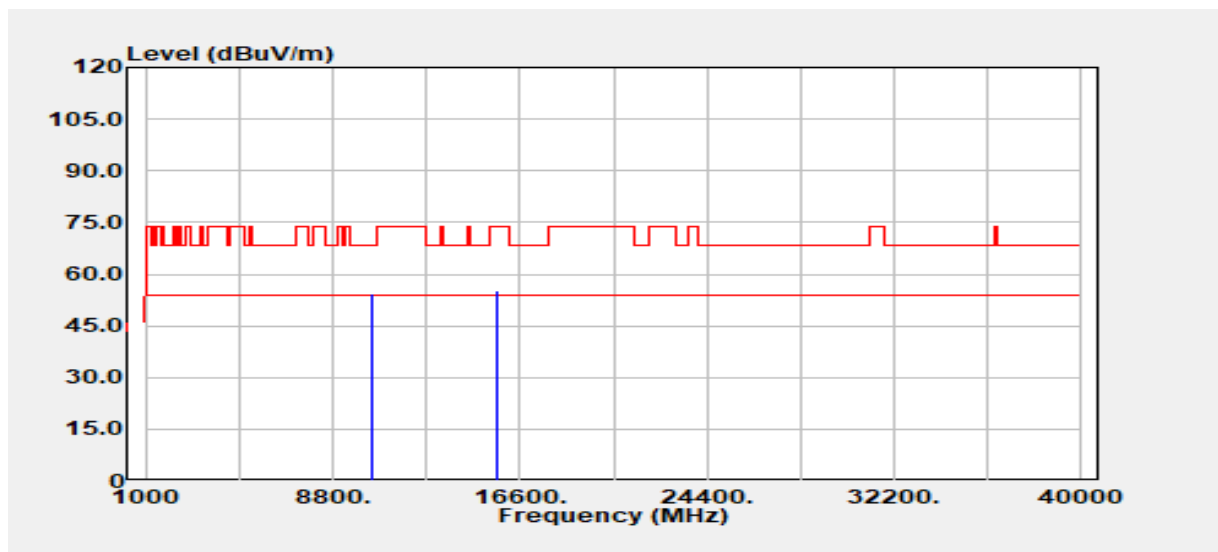
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10360.00	Peak	40.43	12.85	53.28	68.20	-14.92
15540.00	Peak	37.91	14.87	52.78	74.00	-21.22
15540.00	Average	31.02	14.87	45.89	54.00	-8.11

Project No	:TM-2404000278P	Test Date	:2024-06-11
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5220 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:113		



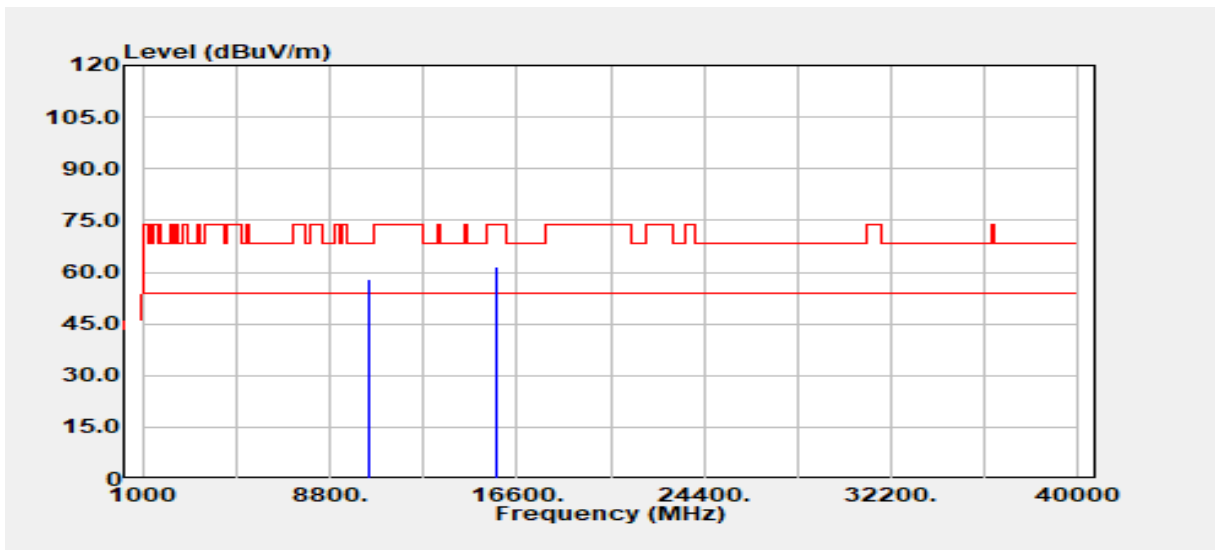
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10440.00	Peak	48.00	12.85	60.85	68.20	-7.35
15660.00	Peak	43.61	15.46	59.07	74.00	-14.93
15660.00	Average	38.08	15.46	53.54	54.00	-0.46

Project No	:TM-2404000278P	Test Date	:2024-06-11
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5220 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:113		



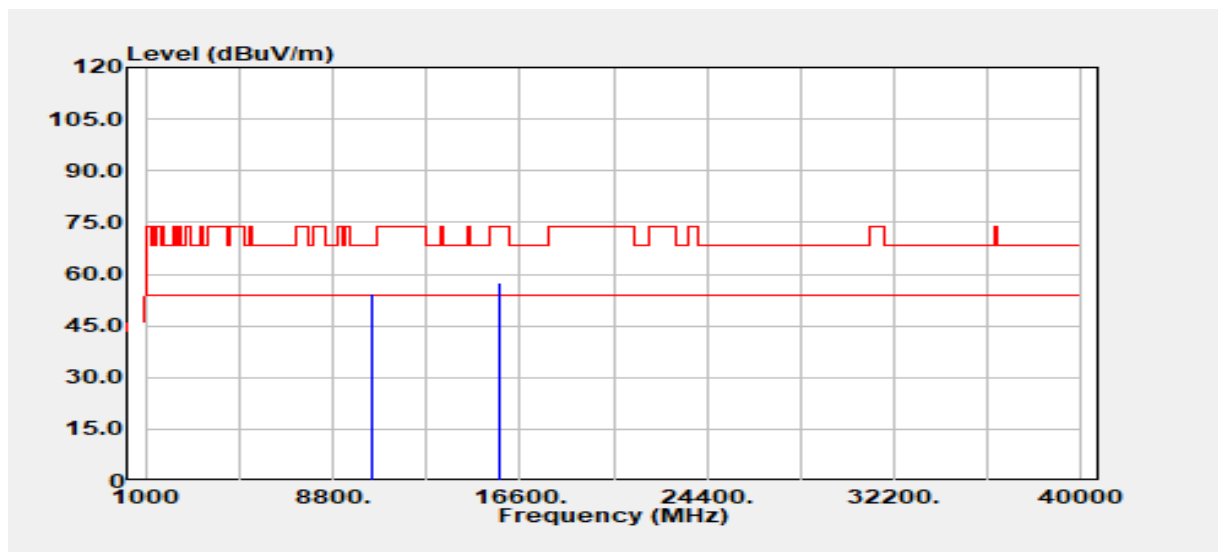
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10440.00	Peak	41.33	12.85	54.18	68.20	-14.02
15660.00	Peak	39.64	15.46	55.10	74.00	-18.90
15660.00	Average	32.61	15.46	48.07	54.00	-5.93

Project No	:TM-2404000278P	Test Date	:2024-06-11
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5240 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:113		



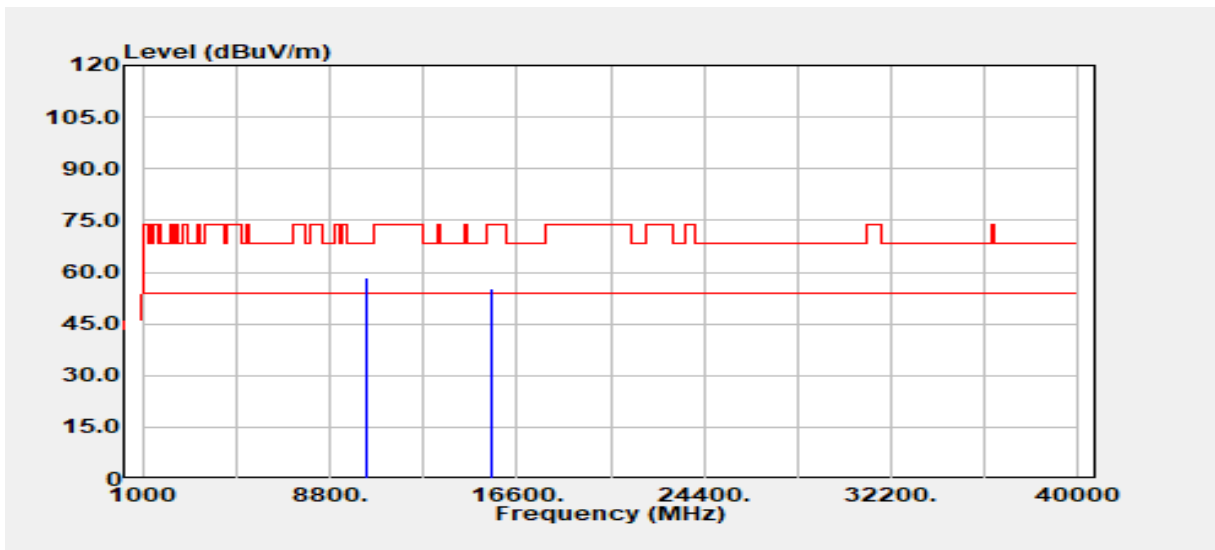
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10480.00	Peak	45.17	12.72	57.89	68.20	-10.31
15720.00	Peak	45.66	15.73	61.39	74.00	-12.61
15720.00	Average	37.95	15.73	53.68	54.00	-0.32

Project No	:TM-2404000278P	Test Date	:2024-06-11
Operation Band	:802.11a/Band1	Temp./Humi.	:24.6/57
Frequency	:5240 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:113		



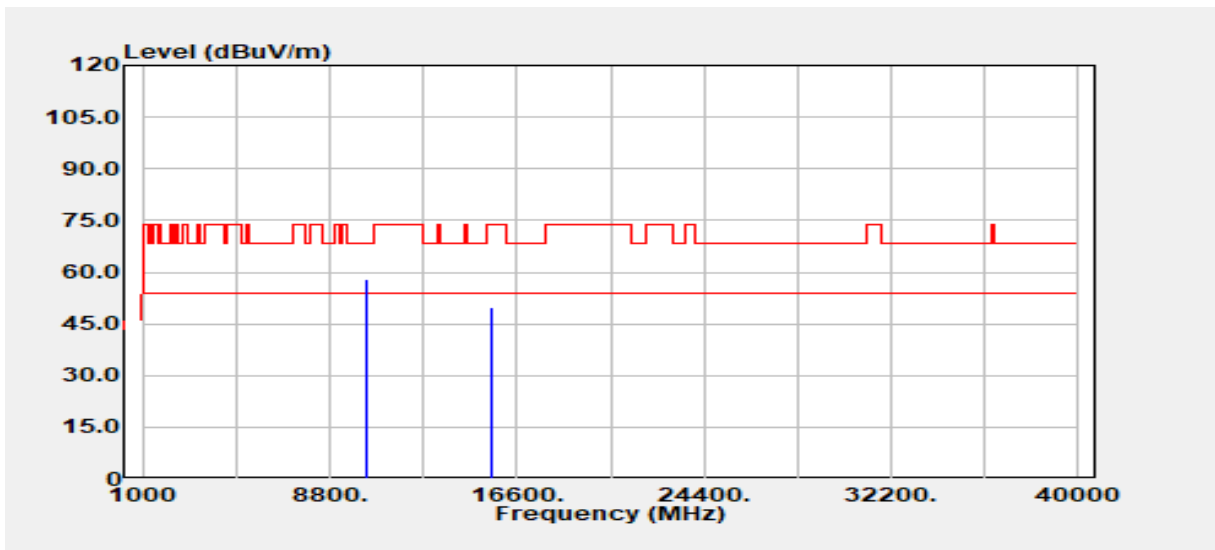
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10480.00	Peak	41.77	12.72	54.49	68.20	-13.71
15720.00	Peak	41.56	15.73	57.29	74.00	-16.71
15720.00	Average	33.16	15.73	48.89	54.00	-5.11

Project No	:TM-2404000278P	Test Date	:2024-05-17
Operation Band	:802.11n20/Band1	Temp./Humi.	:24.6/57
Frequency	:5180 MHz	Antenna Pol.	:Vertical
Operation Mode	:TX	Engineer	:Ray.Li
EUT Pol	:E2	Test Chamber	: 966A
Setting	:102		



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	45.37	12.85	58.22	68.20	-9.98
15540.00	Peak	40.37	14.87	55.24	74.00	-18.76
15540.00	Average	33.00	14.87	47.88	54.00	-6.12

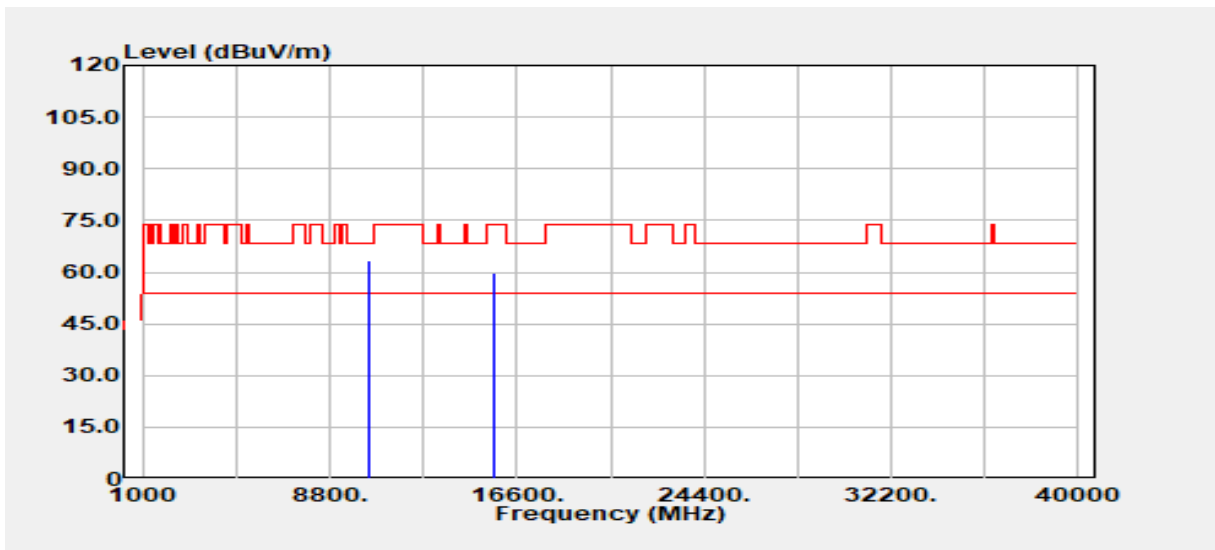
Project No	:TM-2404000278P	Test Date	:2024-05-17
Operation Band	:802.11n20/Band1	Temp./Humi.	:24.6/57
Frequency	:5180 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Ray.Li
EUT Pol	:E2	Test Chamber	: 966A
Setting	:102		



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	45.07	12.85	57.92	68.20	-10.28
15540.00	Peak	34.89	14.87	49.77	74.00	-24.23
15540.00	Average	30.49	14.87	45.36	54.00	-8.64

Project No :TM-2404000278P
Operation Band :802.11n20/Band1
Frequency :5220 MHz
Operation Mode :TX
EUT Pol :E2
Setting :113

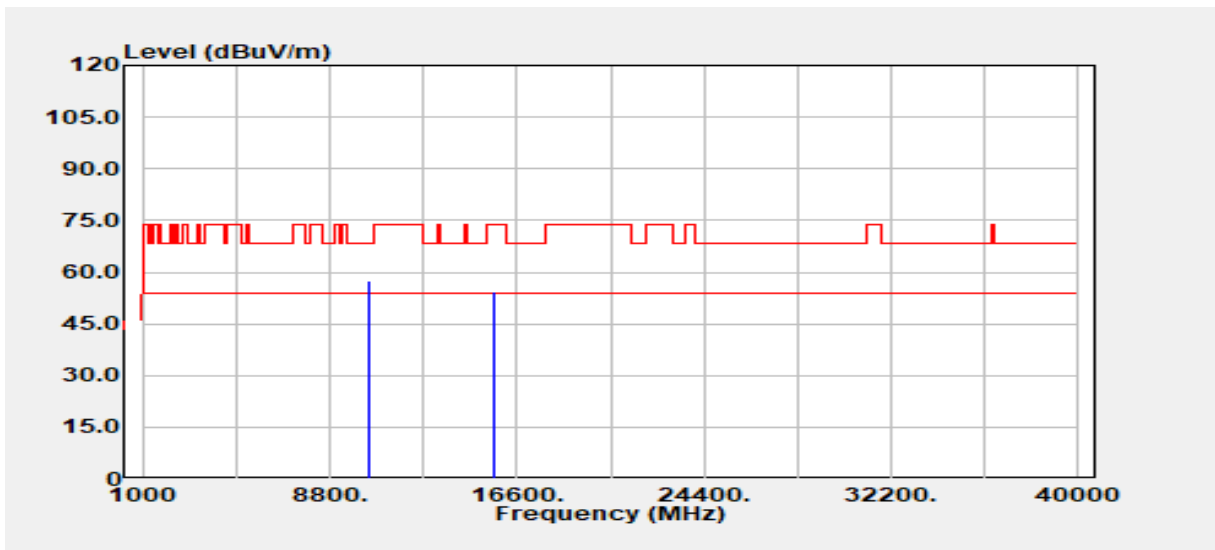
Test Date :2024-06-11
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony.Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10440.00	Peak	50.53	12.85	63.38	68.20	-4.82
15660.00	Peak	44.49	15.46	59.95	74.00	-14.05
15660.00	Average	36.55	15.46	52.01	54.00	-1.99

Project No :TM-2404000278P
Operation Band :802.11n20/Band1
Frequency :5220 MHz
Operation Mode :TX
EUT Pol :E2
Setting :113

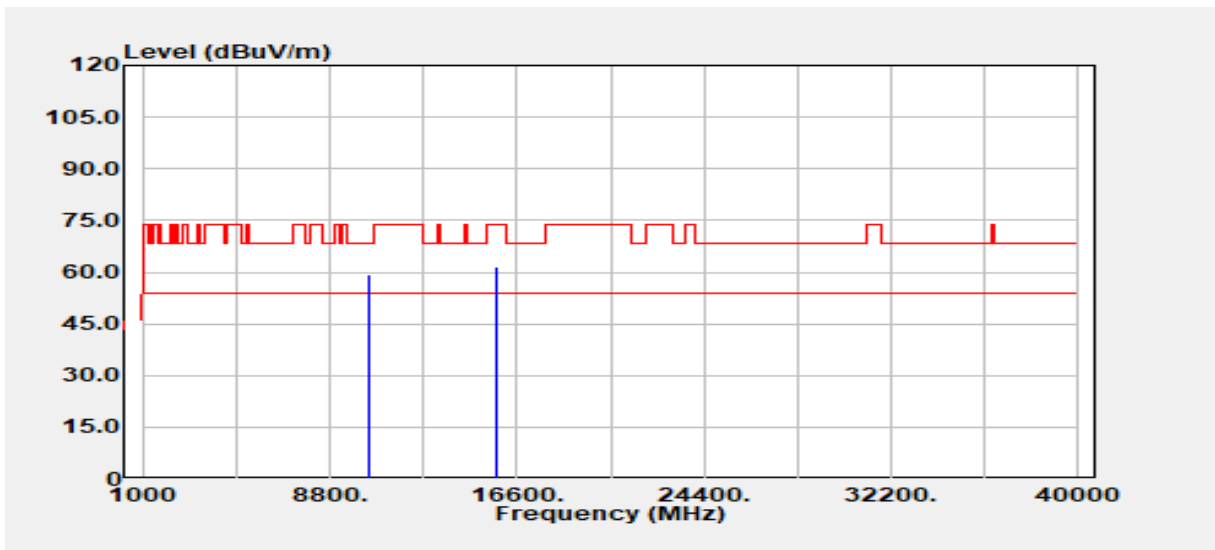
Test Date :2024-06-11
Temp./Humi. :24.6/57
Antenna Pol. :Horizontal
Engineer :Tony.Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10440.00	Peak	44.52	12.85	57.36	68.20	-10.84
15660.00	Peak	39.06	15.46	54.52	74.00	-19.48
15660.00	Average	30.69	15.46	46.15	54.00	-7.85

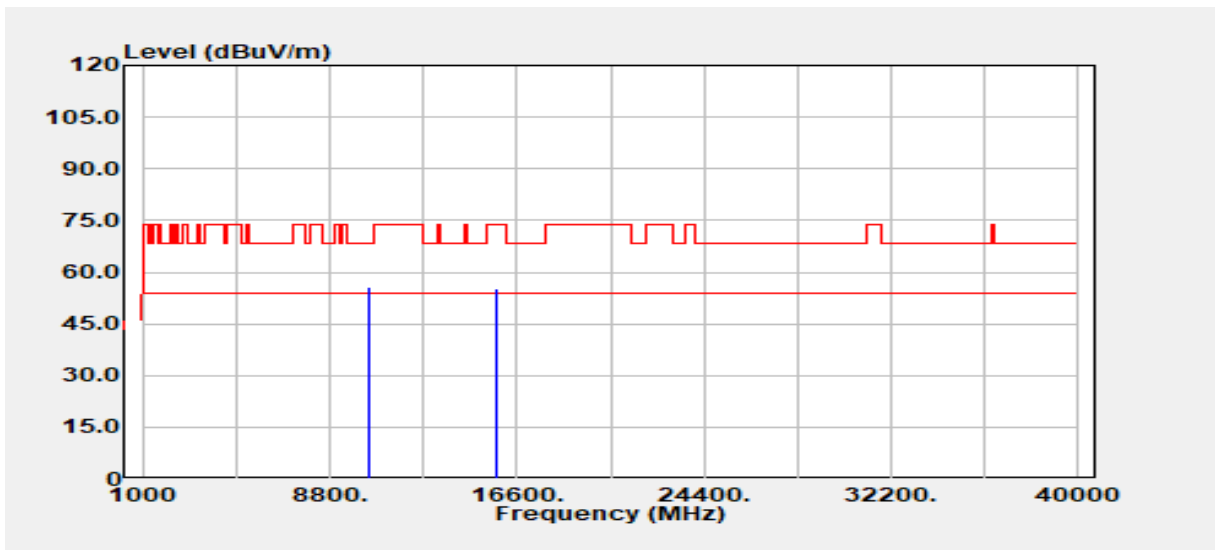
Project No :TM-2404000278P
Operation Band :802.11n20/Band1
Frequency :5240 MHz
Operation Mode :TX
EUT Pol :E2
Setting :113

Test Date :2024-06-11
Temp./Humi. :24.6/57
Antenna Pol. :Vertical
Engineer :Tony.Chao
Test Chamber : 966A



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
10480.00	Peak	46.44	12.72	59.16	68.20	-9.04
15720.00	Peak	45.94	15.73	61.67	74.00	-12.33
15720.00	Average	35.30	15.73	51.02	54.00	-2.98

Project No	:TM-2404000278P	Test Date	:2024-06-11
Operation Band	:802.11n20/Band1	Temp./Humi.	:24.6/57
Frequency	:5240 MHz	Antenna Pol.	:Horizontal
Operation Mode	:TX	Engineer	:Tony.Chao
EUT Pol	:E2	Test Chamber	: 966A
Setting	:113		



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	43.00	12.72	55.72	68.20	-12.48
15720.00	Peak	39.67	15.73	55.40	74.00	-18.60
15720.00	Average	31.37	15.73	47.10	54.00	-6.90

- End of Test Report -