Permissive Change test report

FCC 47 CFR PART 15 SUBPART E

Test Standard	**FCC Part 15.407**
Product name	**WiFi and Bluetooth Module**
Brand Name	**JORJIN**
Model No.	**WG7837-V0**
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:

Kevin Tsai
Deputy Manager

Report No.: T210415W07-RP4

Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	July 26, 2021	Initial Issue	ALL	Doris Chu

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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	Jorjin Technologies Inc. 17F.-1, NO.239, SEC. 1, DATONG RD., XIZHI DIST. New Taipei City, 22161 Taiwan
Manufacturer	Jorjin Technologies Inc. 17F.-1, NO.239, SEC. 1, DATONG RD., XIZHI DIST. New Taipei City, 22161 Taiwan
Equipment	WiFi and Bluetooth Module
Model No.	WG7837-V0
Model Discrepancy	N/A
Trade Name	Ford
Received Date	April 15, 2021
Date of Test	May 13 ~ June 29, 2021
Power Supply	Power from host device.
HW Version	WG7837-V1A-R01_210317-1
SW Version	FW 8.9.0.0.88
EUT Serial #	WG7837-V0 / WG7837-V1
Class II Permissive Change	1. To change the TCXO component. 2. Original TCXO component is SEIKO EPSON TG-5035CJ-12N then change to TKD TC20A026000GECN011, TKD TC20A026000GECN011 electrical specifications is compatible SEIKO EPSON TG-5035CJ-12N .

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. The EUT (model: WG7837-V0) had been tested under operating condition.

1.2 EUT CHANNEL INFORMATION

Frequency Range	

UNII-1	
IEEE 802.11a	5180 ~ 5240 MHz
IEEE 802.11n HT 20 MHz	5180 ~ 5240 MHz
IEEE 802.11n HT 40 MHz	5190 ~ 5230 MHz
UNII-2a	
IEEE 802.11a	5260 ~ 5320 MHz
IEEE 802.11n HT 20 MHz	5260 ~ 5320 MHz
IEEE 802.11n HT 40 MHz	5270 ~ 5310 MHz
UNII-2c	
IEEE 802.11a	5500 ~ 5700 MHz
IEEE 802.11n HT 20 MHz	5500 ~ 5700 MHz
IEEE 802.11n HT 40 MHz	5510 ~ 5670 MHz
UNII-3	
IEEE 802.11a	5745 ~ 5825 MHz
IEEE 802.11n HT 20 MHz	5745 ~ 5825 MHz
IEEE 802.11n HT 40 MHz	5755 ~ 5795 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

Remark:
1. Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 for test channels.

Number of frequencies to be tested		
Frequency range in which device operates	**Number of frequencies**	**Location in frequency range of operation**
☐ 1 MHz or less	1	Middle
☐ 1 MHz to 10 MHz	2	1 near top and 1 near bottom
☒ More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

1.3 ANTENNA INFORMATION

Antenna Type	Brand	Antenna Gain
PCB	Ethertronics	4.5 dBi (Worst)
Dipole	LSR	2 dBi
PCB	Laird	4 dBi
Chip	Pulse	4.2 dBi
PIFA	LSR	3 dBi
Chip	TDK	3.96 dBi

Notes:
1.The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203.

1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	+/- 1.2575
Emission bandwidth, 20dB bandwidth	+/- 0.0014
RF output power, conducted	+/- 1.14
Power density, conducted	+/- 1.40
3M Semi Anechoic Chamber / 30M~200M	+/- 4.12
3M Semi Anechoic Chamber / 200M~1000M	+/- 4.68
3M Semi Anechoic Chamber / 1G~8G	+/- 5.18
3M Semi Anechoic Chamber / 8G~18G	+/- 5.47
3M Semi Anechoic Chamber / 18G~26G	+/- 3.81
3M Semi Anechoic Chamber / 26G~40G	+/- 3.87

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. (R.O.C.)
CAB identifier: TW1309

Test site	Test Engineer	Remark
Radiation	Ray Li	-
RF Conducted	Jack Chen	-

Remark: The lab has been recognized as the FCC accredited lad 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

RF Conducted Test Site					
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Signal Analyzer	R&S	FSV 40	101073	09/17/2020	09/16/2021
Power Meter	Anritsu	ML2487A	6K00003260	05/24/2021	05/23/2022
Power Seneor	Anritsu	MA2490A	032910	05/24/2021	05/23/2022
Software	N/A				

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3M 966 Chamber Test Site					
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Cal Date**	**Cal Due**
Band Reject Filters	MICRO TRONICS	BRM 50702	120	02/08/2021	02/07/2022
Bilog Antenna	Sunol Sciences	JB3	A030105	07/24/2020	07/23/2021
Horn Antenna	ETS LINDGREN	3116	00026370	12/11/2020	12/10/2021
Coaxial Cable	HUBER SUHNER	SUCOFLEX 104PEA	20995	02/24/2021	02/23/2022
Coaxial Cable	EMCI	EMC105	190914+327109/4	09/19/2020	09/18/2021
K Type Cable	Huber+Suhner	SUCOFLEX 102	29406/2	12/09/2020	12/08/2021
K Type Cable	Huber+Suhner	SUCOFLEX 102	22470/2	12/09/2020	12/08/2021
Digital Thermo-Hygro Meter	WISEWIND	1206	D07	01/06/2021	01/05/2022
double Ridged Guide Horn Antenna	ETC	MCTD 1209	DRH13M02003	09/30/2020	09/29/2021
Loop Ant	COM-POWER	AL-130	121051	04/07/2021	04/06/2022
Pre-Amplifier	EMEC	EM330	060609	02/24/2021	02/23/2022
Pre-Amplifier	HP	8449B	3008A00965	12/25/2020	12/24/2021
Pre-Amplifier	MITEQ	AMF-6F-18004000-37-8P	985646	09/02/2020	09/01/2021
PSA Series Spectrum Analyzer	Agilent	E4446A	MY46180323	07/24/2020	07/23/2021
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Software	e3 6.11-20180413				

Remark: Each piece of equipment is scheduled for calibration once a year.

1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

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

Support Equipment						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	NB(L)	Toshiba	PORTEGE R30-A	N/A	PD97260H	N/A

1.8 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.

2. TEST SUMMARY

FCC Standard Sec.	Chapter	Test Item	Result
15.203	1.3	Antenna Requirement	Pass
15.407(a)	4.1	Output Power Measurement	Pass
15.407(b)	4.2	Radiation Spurious Emission	Pass

3. DESCRIPTION OF TEST MODES

3.1 THE EUT CHANNEL NUMBER OF OPERATING CONDITION

<table>
<tr><td>Operation mode</td><td>1. IEEE 802.11a mode: 6Mbps
2. IEEE 802.11n HT 20 MHz mode: MCS0
3. IEEE 802.11n HT 40 MHz mode: MCS0</td></tr>
<tr><td>Operating Frequency</td><td>
<table>
<tr><th></th><th>Mode</th><th>Frequency Range (MHz)</th></tr>
<tr><td rowspan="3">U-NII-1</td><td>IEEE 802.11a</td><td>5180, 5220, 5240</td></tr>
<tr><td>IEEE 802.11n HT 20 MHz</td><td>5180, 5220, 5240</td></tr>
<tr><td>IEEE 802.11n HT 40 MHz</td><td>5190, 5230</td></tr>
<tr><td rowspan="3">U-NII-2a</td><td>IEEE 802.11a</td><td>5260, 5280, 5320</td></tr>
<tr><td>IEEE 802.11n HT 20 MHz</td><td>5260, 5280, 5320</td></tr>
<tr><td>IEEE 802.11n HT 40 MHz</td><td>5270, 5310</td></tr>
<tr><td rowspan="3">U-NII-2c</td><td>IEEE 802.11a</td><td>5500, 5580, 5700</td></tr>
<tr><td>IEEE 802.11n HT 20 MHz</td><td>5500, 5580, 5700</td></tr>
<tr><td>IEEE 802.11n HT 40 MHz</td><td>5510, 5550, 5670</td></tr>
<tr><td rowspan="3">U-NII-3</td><td>IEEE 802.11a</td><td>5745, 5785, 5825</td></tr>
<tr><td>IEEE 802.11n HT 20 MHz</td><td>5745, 5785, 5825</td></tr>
<tr><td>IEEE 802.11n HT 40 MHz</td><td>5755, 5795</td></tr>
</table>
</td></tr>
</table>

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

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. 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. TEST RESULT

4.1 OUTPUT POWER MEASUREMENT

4.1.1 Test Limit

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

FCC:

UNII-1 :

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW(24 dBm), 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)]

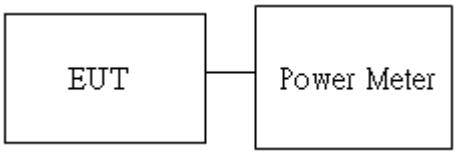
4.1.2 Test Procedure

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

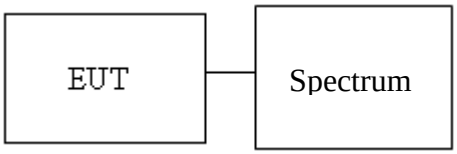
1. The EUT RF output connected to the power meter or spectrum by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Average output power. in the test report.

4.1.3 Test Setup

For BW 20MHz and 40MHz



For BW 80MHz



4.1.4 Test Result

Temperature: 24.4℃ **Humidity:** 47% RH

Tested by: Jack Chen **Test date:** May 13, 2021

Conducted output power：

Chain 0:

UNII-1						
Config	CH	Freq. (MHz)	Power Setting	AV Power (dBm)	AV Total Power (W)	Limit (dBm)
			Chain 0	Chain 0		
IEEE 802.11a Data rate: 6Mbps	36	5180	15	15.52	0.0356	24
	44	5220	15	15.42	0.0348	
	48	5240	15	15.35	0.0343	
IEEE 802.11n HT20 Data rate: MCS0	36	5180	15	15.52	0.0356	
	44	5220	15	14.59	0.0288	
	48	5240	14	15.13	0.0326	
IEEE 802.11n HT40 Data rate: MCS0	38	5190	10	11.01	0.0126	
	46	5230	15	15.89	0.0388	

UNII-2a						
Config	CH	Freq. (MHz)	Power Setting	AV Power (dBm)	AV Total Power (W)	FCC Limit (dBm)
			Chain 0	Chain 0		
IEEE 802.11a Data rate: 6Mbps	52	5260	13	12.94	0.0197	24
	56	5280	13	12.87	0.0194	
	64	5320	12	12.96	0.0198	
IEEE 802.11n HT20 Data rate: MCS0	52	5260	13	12.93	0.0196	
	56	5280	13	13.05	0.0202	
	64	5320	11	12.38	0.0173	
IEEE 802.11n HT40 Data rate: MCS0	54	5270	15	16.02	0.0400	
	62	5310	10	11.45	0.0140	

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UNII-2c						
Config	CH	Freq. (MHz)	Power Setting	AV Power (dBm)	AV Total Power (W)	FCC Limit (dBm)
			Chain 0	Chain 0		
IEEE 802.11a Data rate: 6Mbps	100	5500	14	14.28	0.0268	24
	116	5580	17	17.02	0.0503	
	140	5700	10	10.63	0.0116	
IEEE 802.11n HT20 Data rate: MCS0	100	5500	13	13.81	0.0240	
	116	5580	16	17.02	0.0503	
	140	5700	10	10.88	0.0122	
IEEE 802.11n HT40 Data rate: MCS0	102	5510	10	10.83	0.0121	
	110	5550	15	15.69	0.0371	
	134	5670	11	12.10	0.0162	

UNII-3						
Config	CH	Freq. (MHz)	Power Setting	AV Power (dBm)	AV Total Power (W)	Limit (dBm)
			Chain 0	Chain 0		
IEEE 802.11a Data rate: 6Mbps	149	5745	11	11.44	0.0139	30
	157	5785	17	16.76	0.0474	
	165	5825	13	13.32	0.0215	
IEEE 802.11n HT20 Data rate: MCS0	149	5745	12	12.57	0.0181	
	157	5785	16.5	16.97	0.0498	
	165	5825	12	12.83	0.0192	
IEEE 802.11n HT40 Data rate: MCS0	151	5755	9	9.54	0.0090	
	159	5795	14	13.54	0.0226	

Chain 1:

UNII-1						
Config	CH	Freq. (MHz)	Power Setting	AV Power (dBm)	AV Total Power (W)	Limit (dBm)
			Chain 1	Chain 1		
IEEE 802.11a Data rate: 6Mbps	36	5180	15	15.62	0.0365	24
	44	5220	15	15.58	0.0361	
	48	5240	15	15.44	0.0350	
IEEE 802.11n HT20 Data rate: MCS0	36	5180	14	15.22	0.0333	
	44	5220	14.5	15.04	0.0319	
	48	5240	14.5	15.21	0.0332	
IEEE 802.11n HT40 Data rate: MCS0	38	5190	10	11.48	0.0141	
	46	5230	15	16.09	0.0407	

UNII-2a						
Config	CH	Freq. (MHz)	Power Setting	AV Power (dBm)	AV Total Power (W)	FCC Limit (dBm)
			Chain 1	Chain 1		
IEEE 802.11a Data rate: 6Mbps	52	5260	13	12.96	0.0198	24
	56	5280	13	13.06	0.0202	
	64	5320	12	12.86	0.0193	
IEEE 802.11n HT20 Data rate: MCS0	52	5260	11	12.52	0.0179	
	56	5280	13	13.76	0.0238	
	64	5320	11	12.55	0.0180	
IEEE 802.11n HT40 Data rate: MCS0	54	5270	15	16.13	0.0411	
	62	5310	11	12.01	0.0159	

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UNII-2c						
Config	CH	Freq. (MHz)	Power Setting	AV Power (dBm)	AV Total Power (W)	FCC Limit (dBm)
			Chain 1	Chain 1		
IEEE 802.11a Data rate: 6Mbps	100	5500	13	13.25	0.0211	24
	116	5580	17	16.87	0.0486	
	140	5700	11	11.03	0.0127	
IEEE 802.11n HT20 Data rate: MCS0	100	5500	13	13.73	0.0236	
	116	5580	16	16.92	0.0492	
	140	5700	11	11.56	0.0143	
IEEE 802.11n HT40 Data rate: MCS0	102	5510	10	10.91	0.0123	
	110	5550	15	15.49	0.0354	
	134	5670	11	11.67	0.0147	

UNII-3						
Config	CH	Freq. (MHz)	Power Setting	AV Power (dBm)	AV Total Power (W)	Limit (dBm)
			Chain 1	Chain 1		
IEEE 802.11a Data rate: 6Mbps	149	5745	12	11.99	0.0158	30
	157	5785	17	16.08	0.0406	
	165	5825	14	13.67	0.0233	
IEEE 802.11n HT20 Data rate: MCS8	149	5745	12	12.42	0.0175	
	157	5785	16.5	16.23	0.0420	
	165	5825	13	13.15	0.0207	
IEEE 802.11n HT40 Data rate: MCS8	151	5755	9	9.50	0.0089	
	159	5795	14	13.57	0.0228	

4.2 RADIATION SPURIOUS EMISSION

4.2.1 Test Limit

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-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

4.2.2 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 26.5GHz set to the low, Mid and High channels with the EUT transmit.

4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)

5. The SA setting following：

(1) Below 1G：RBW = 100kHz, VBW ≥ 3*RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.

(2) Above 1G：

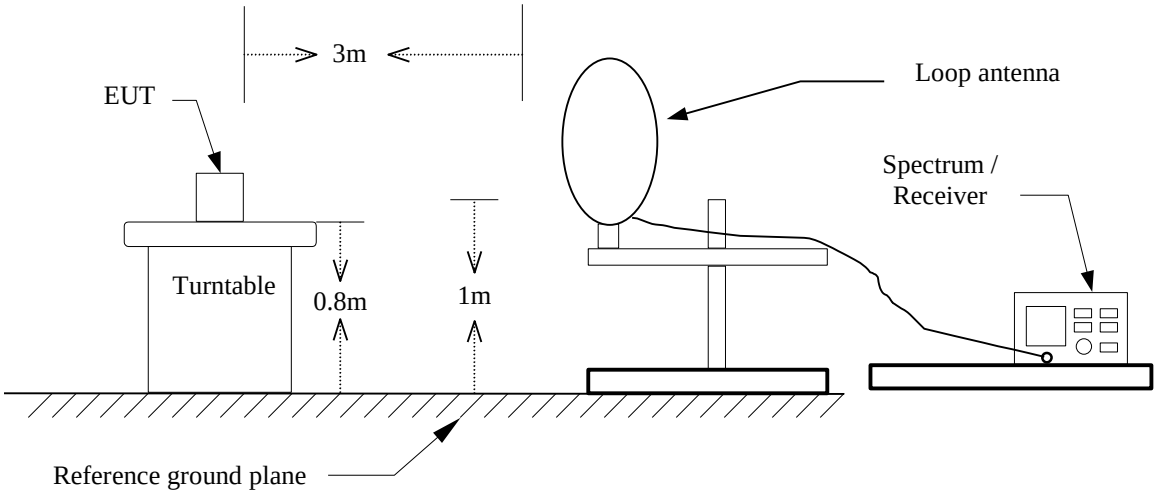
(2.1) For Peak measurement：RBW = 1MHz, VBW ≥ 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.

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

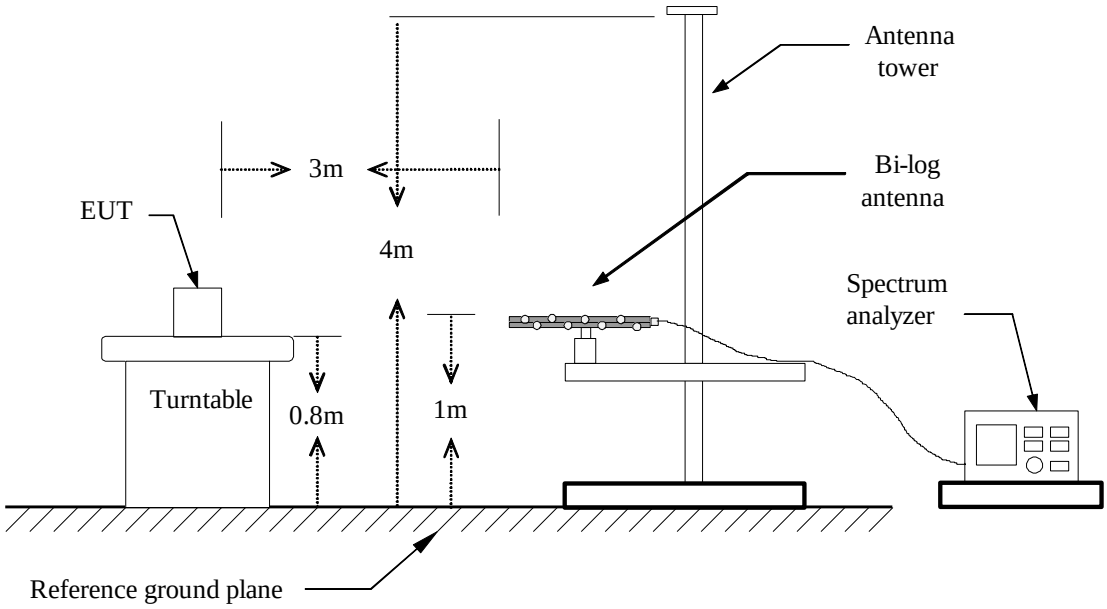
- If Duty Cycle ≥ 98%, VBW=10Hz.
- If Duty Cycle < 98%, VBW=1/T.

4.2.3 Test Setup

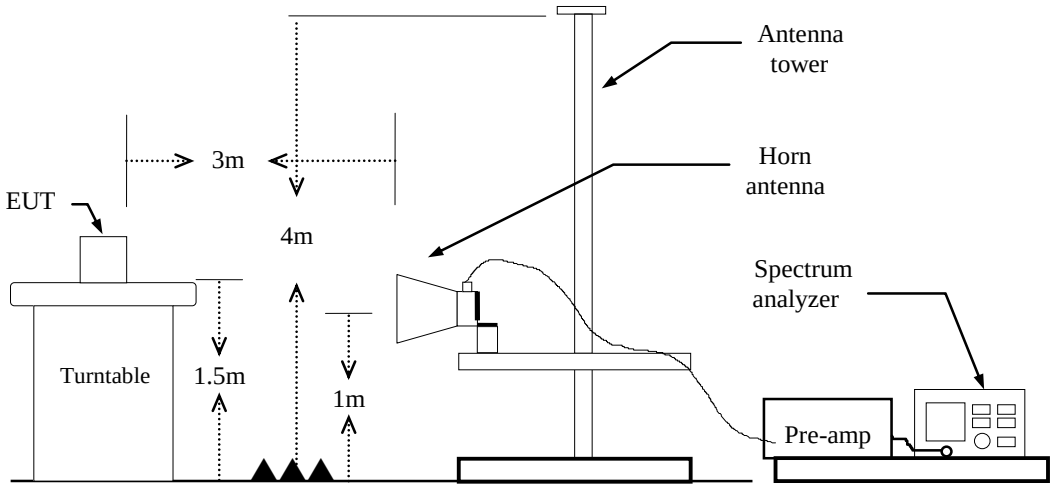
9kHz ~ 30MHz



30MHz ~ 1GHz



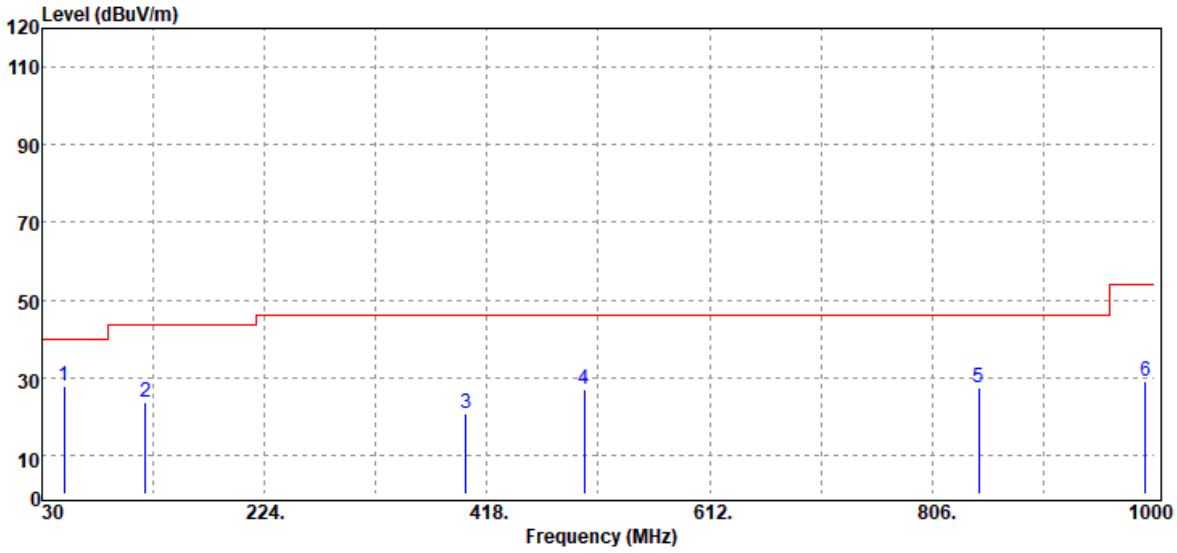
Above 1 GHz



4.2.4 Test Result

Below 1G Test Data

Test Mode	Mode 1	Temp/Hum	23.6(℃)/ 51%RH
Test Item	30MHz-1GHz	Test Date	June 8, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		

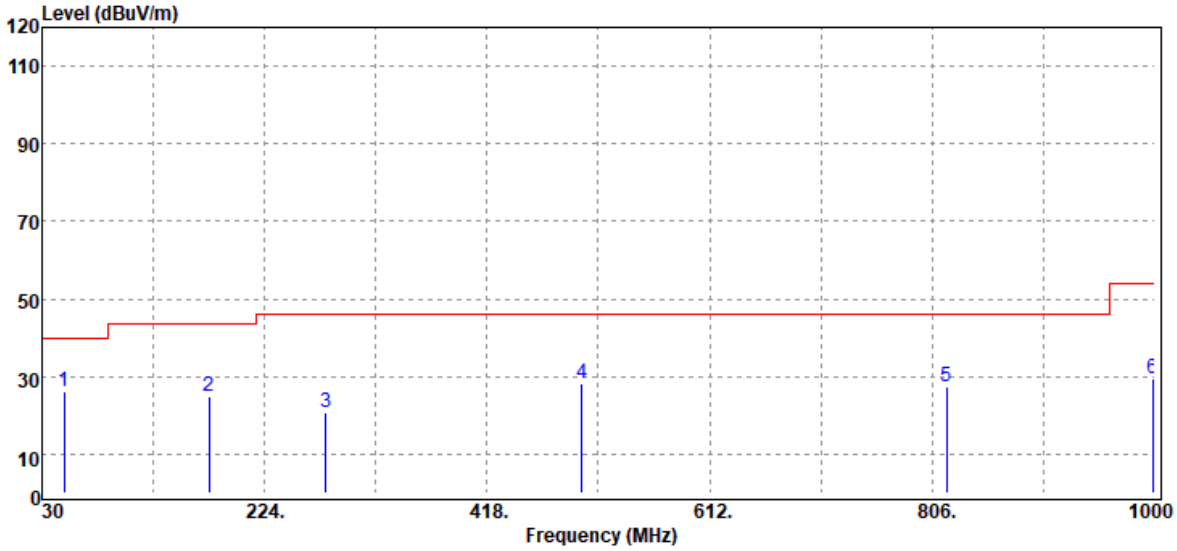


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
49.40	Peak	42.80	-15.12	27.68	40.00	-12.32
120.21	Peak	32.65	-9.11	23.54	43.50	-19.96
399.57	Peak	26.80	-5.92	20.88	46.00	-25.12
502.39	Peak	30.16	-3.28	26.88	46.00	-19.12
846.74	Peak	24.99	2.47	27.46	46.00	-18.54
992.24	Peak	24.79	4.43	29.22	54.00	-24.78

Note: 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	Mode 1	Temp/Hum	23.6(℃)/ 51%RH
Test Item	30MHz-1GHz	Test Date	June 8, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



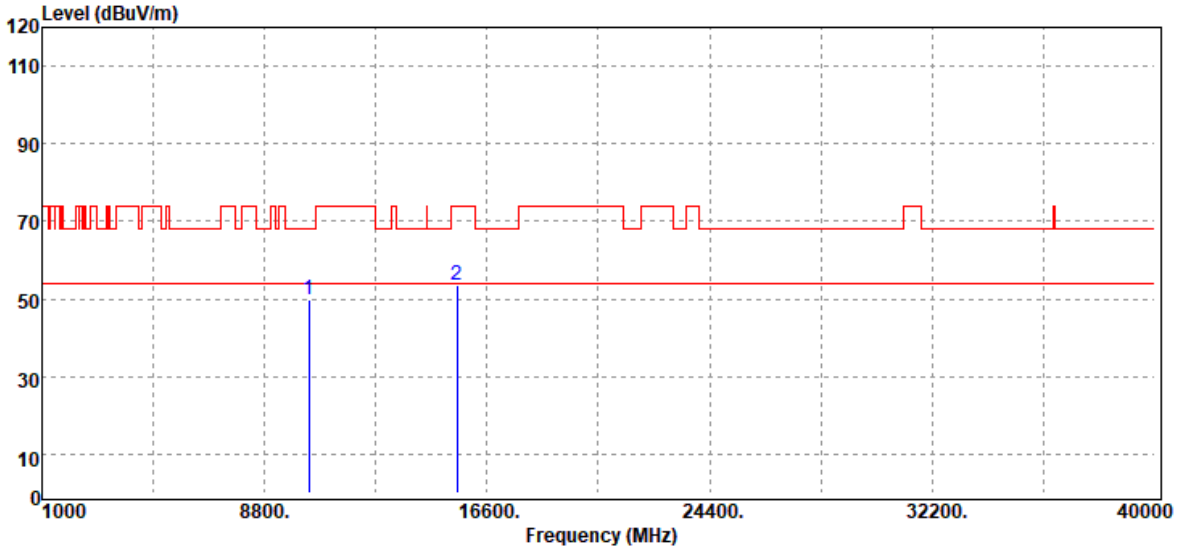
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
49.40	Peak	41.15	-15.12	26.03	40.00	-13.97
175.50	Peak	36.09	-11.16	24.93	43.50	-18.57
277.35	Peak	29.44	-8.74	20.70	46.00	-25.30
500.45	Peak	31.42	-3.30	28.12	46.00	-17.88
818.61	Peak	25.48	2.00	27.48	46.00	-18.52
998.06	Peak	25.40	4.28	29.68	54.00	-24.32

Note: 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Above 1G

Test Data for UNII-1

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



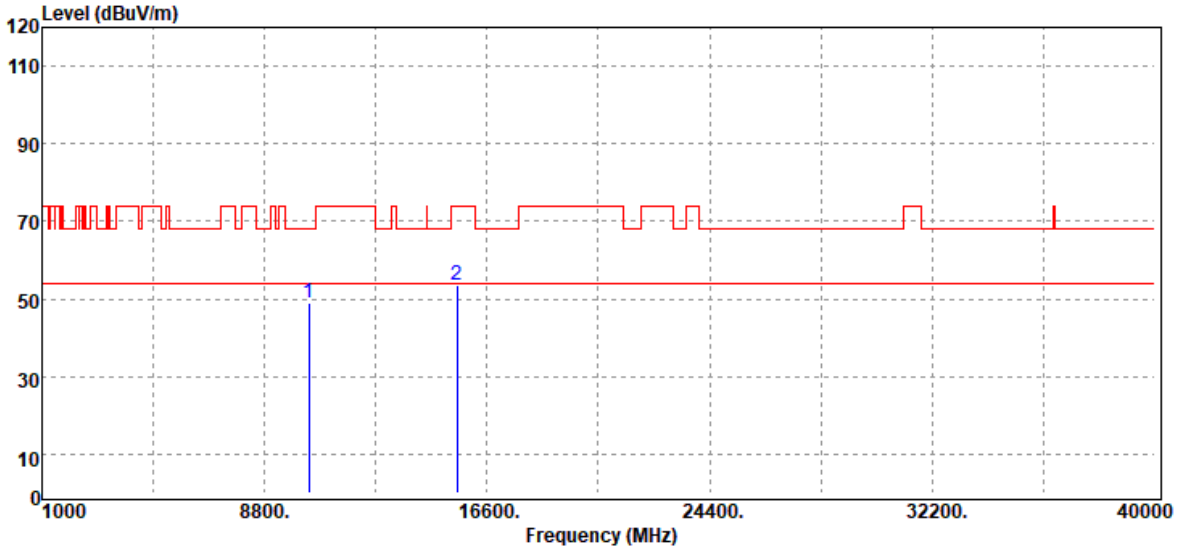
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	31.48	18.16	49.64	68.20	-18.56
15540.00	Peak	31.26	22.44	53.70	74.00	-20.30
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



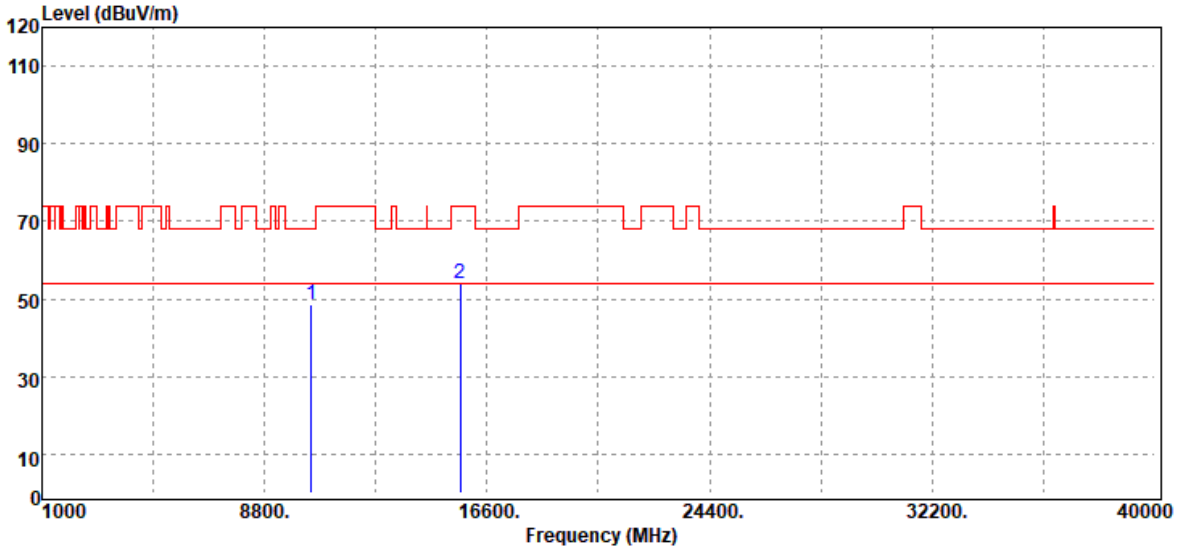
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	31.01	18.16	49.17	68.20	-19.03
15540.00	Peak	31.05	22.44	53.49	74.00	-20.51
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5220 MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonics	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



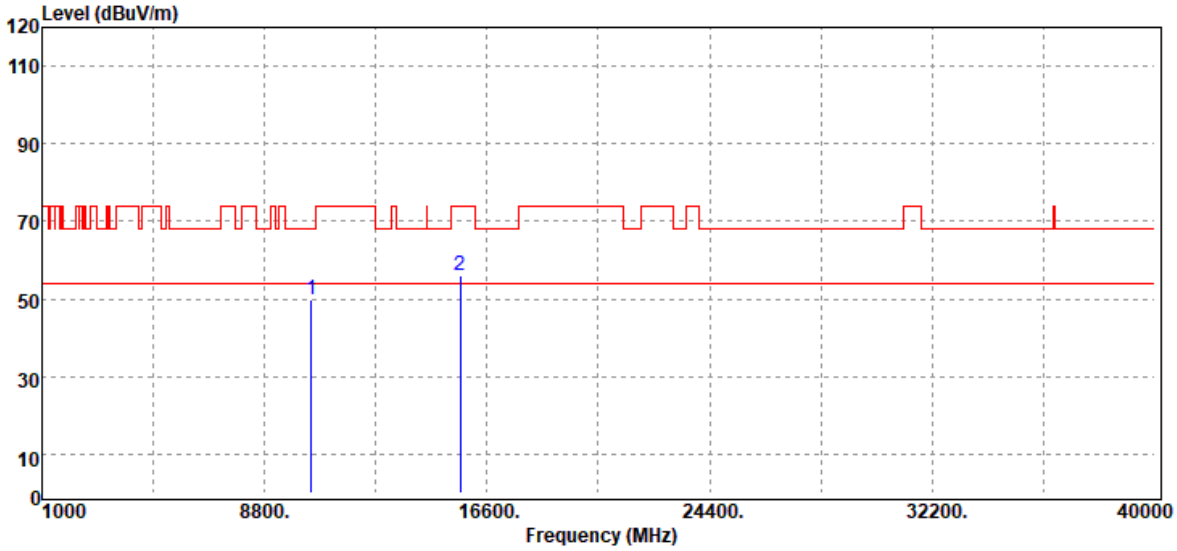
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	30.40	18.29	48.69	68.20	-19.51
15660.00	Peak	30.94	22.86	53.80	74.00	-20.20
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5220 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



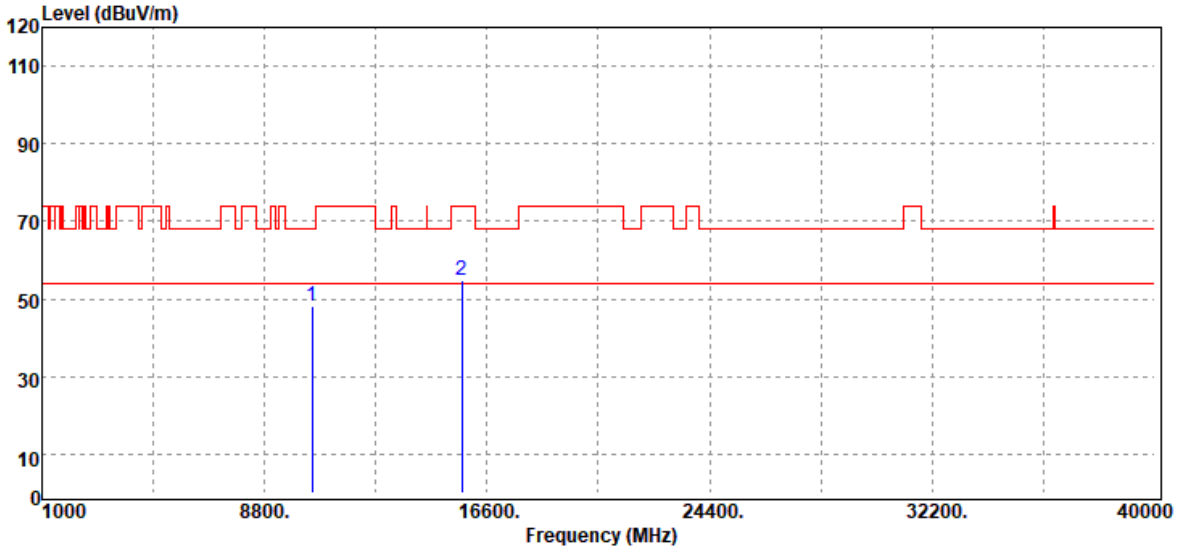
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	31.37	18.29	49.66	68.20	-18.54
15660.00	Peak	33.10	22.86	55.96	74.00	-18.04
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



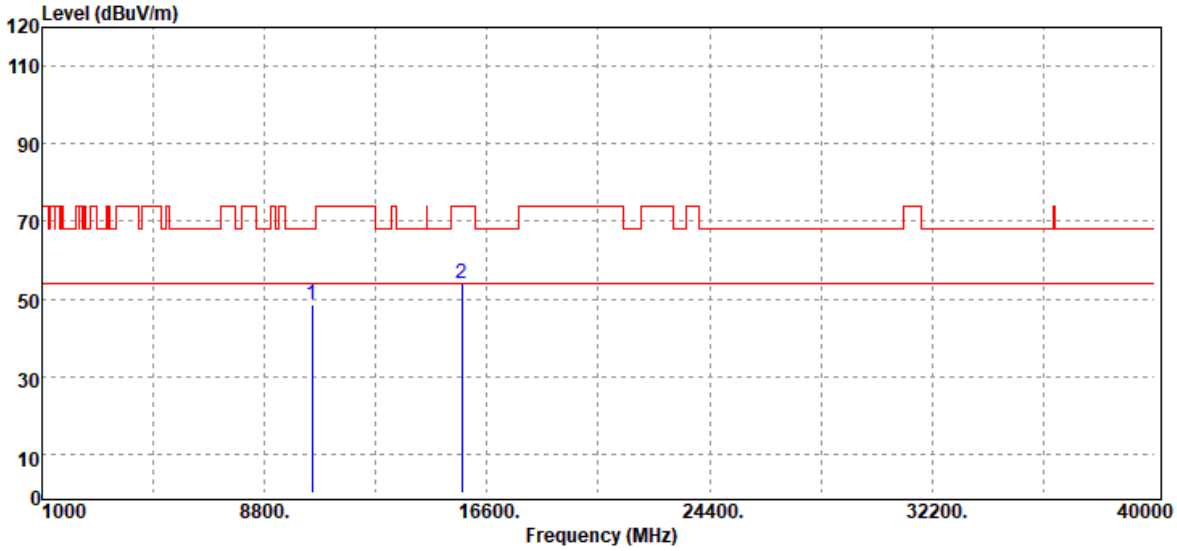
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	29.76	18.28	48.04	68.20	-20.16
15720.00	Peak	31.48	23.15	54.63	74.00	-19.37
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



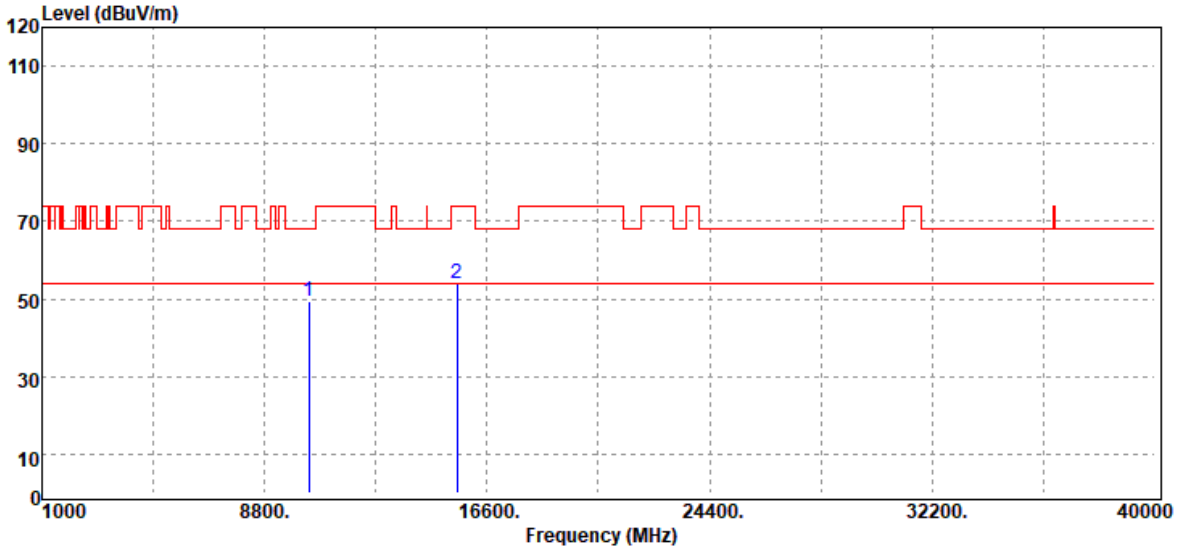
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	30.38	18.28	48.66	68.20	-19.54
15720.00	Peak	30.79	23.15	53.94	74.00	-20.06
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5180MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



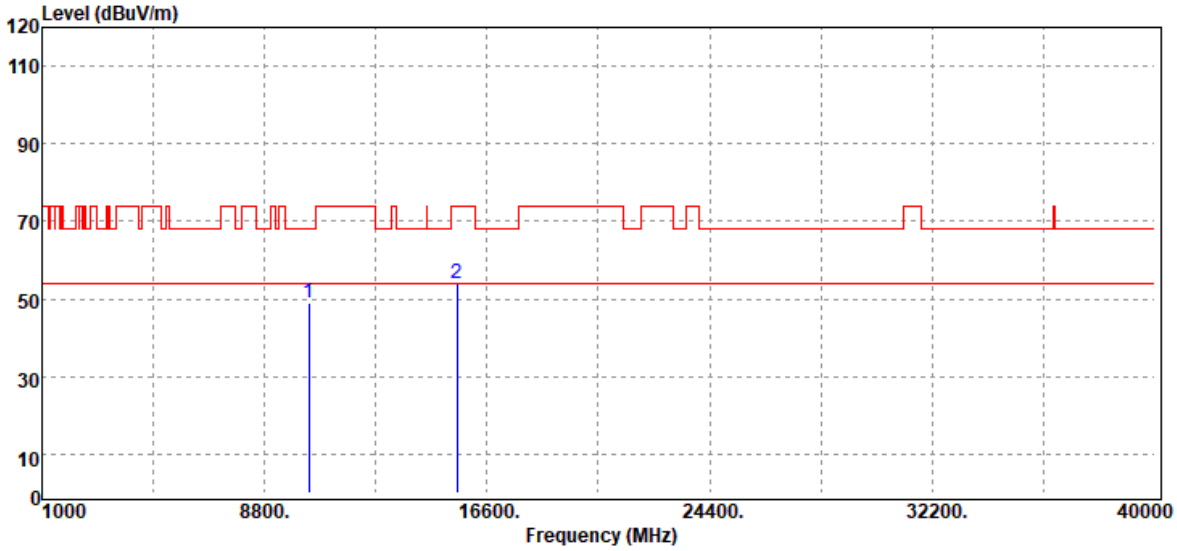
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	31.35	18.16	49.51	68.20	-18.69
15540.00	Peak	31.45	22.44	53.89	74.00	-20.11
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz/ 5180MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



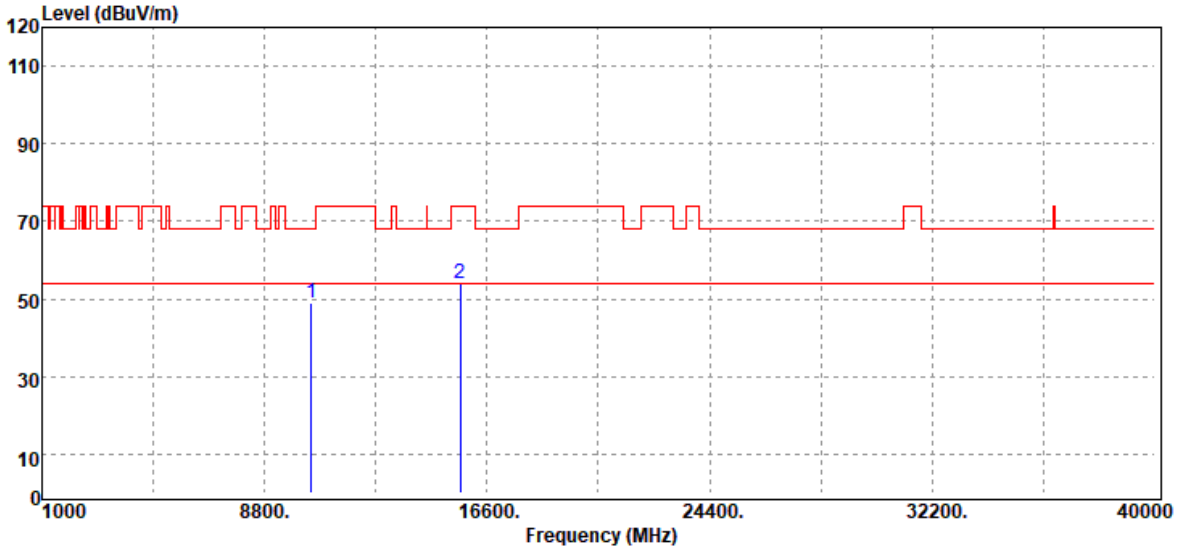
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	30.92	18.16	49.08	68.20	-19.12
15540.00	Peak	31.48	22.44	53.92	74.00	-20.08
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5220MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



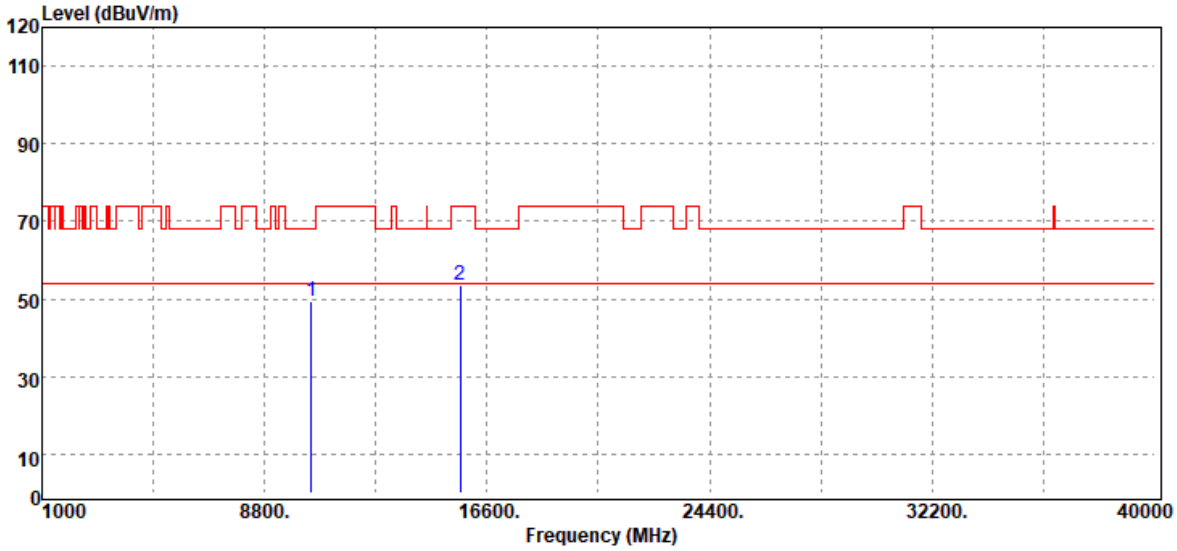
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	30.73	18.29	49.02	68.20	-19.18
15660.00	Peak	31.11	22.86	53.97	74.00	-20.03
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5220MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



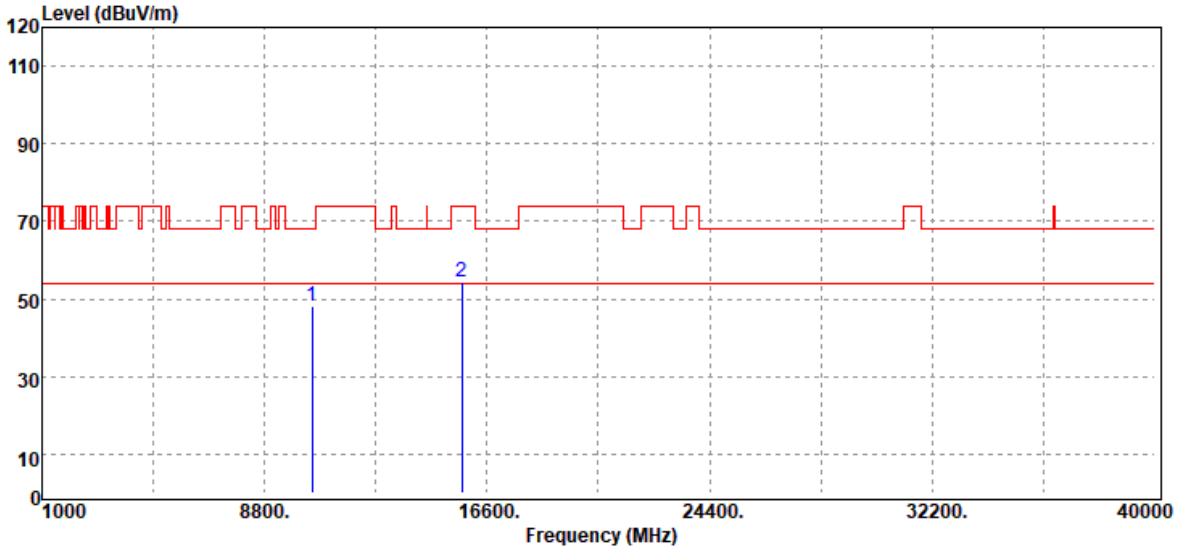
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	31.13	18.29	49.42	68.20	-18.78
15660.00	Peak	30.75	22.86	53.61	74.00	-20.39
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5240MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



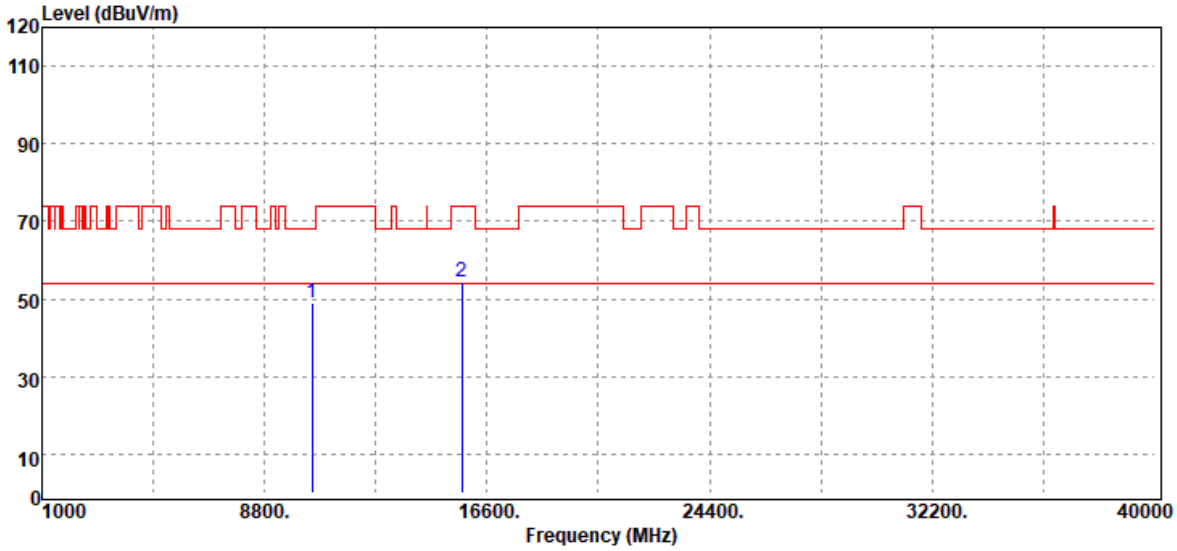
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	29.79	18.28	48.07	68.20	-20.13
15720.00	Peak	31.45	23.15	54.60	74.00	-19.40
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5240MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



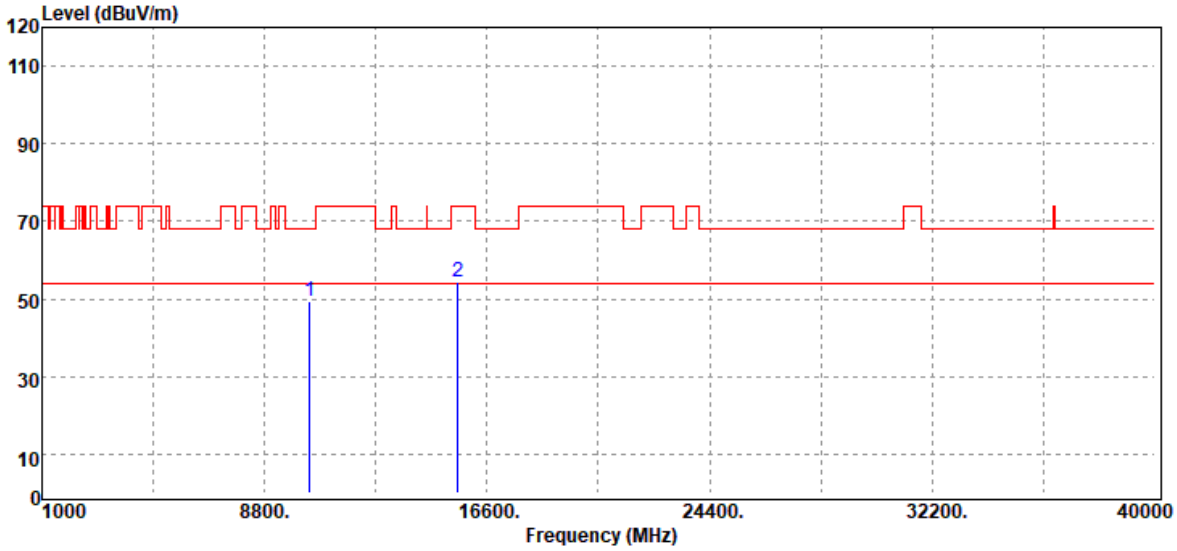
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	30.78	18.28	49.06	68.20	-19.14
15720.00	Peak	31.42	23.15	54.57	74.00	-19.43
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



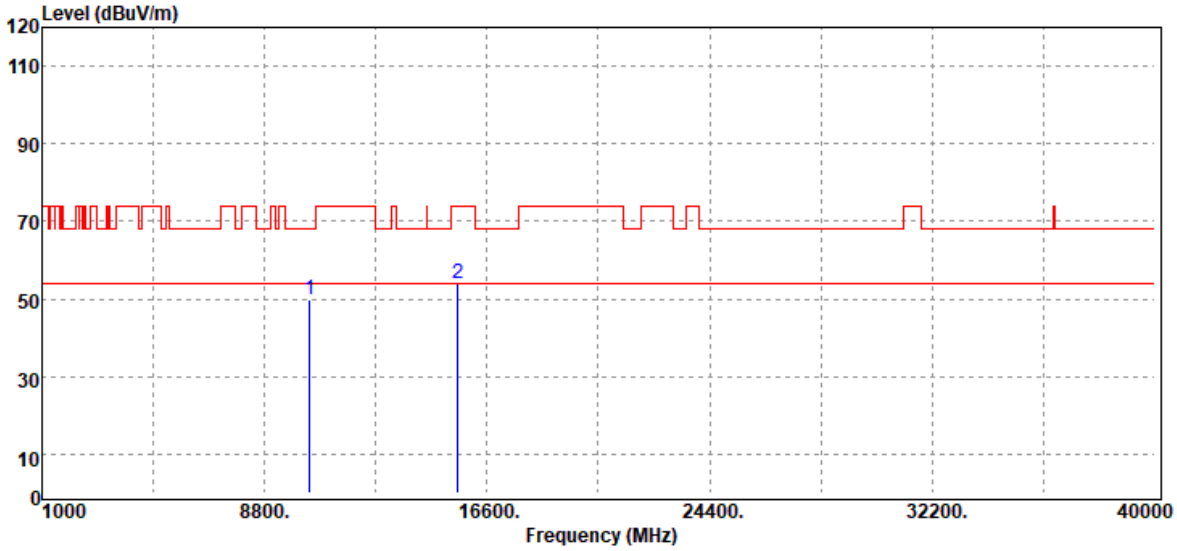
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10380.00	Peak	31.24	18.17	49.41	68.20	-18.79
15570.00	Peak	31.99	22.55	54.54	74.00	-19.46
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



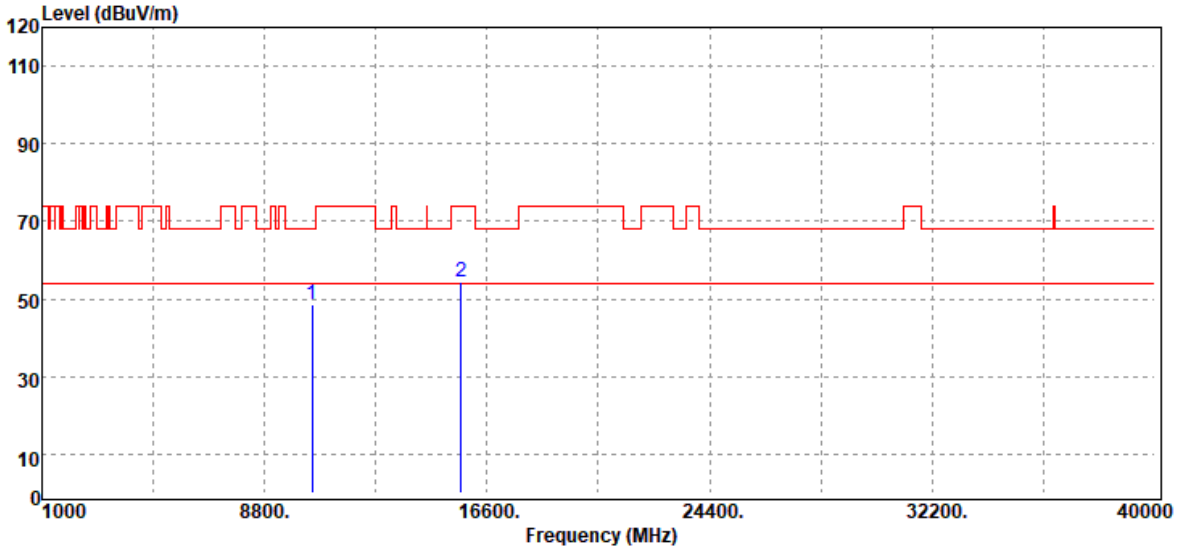
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10380.00	Peak	31.74	18.17	49.91	68.20	-18.29
15570.00	Peak	31.39	22.55	53.94	74.00	-20.06
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



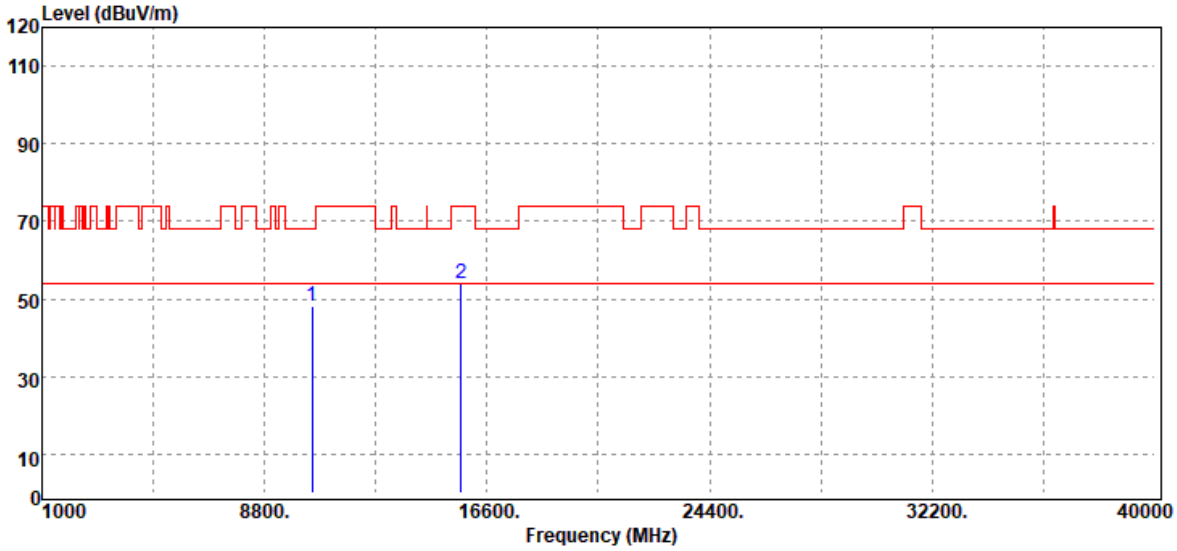
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10460.00	Peak	30.35	18.31	48.66	68.20	-19.54
15690.00	Peak	31.13	23.09	54.22	74.00	-19.78
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10460.00	Peak	29.97	18.31	48.28	68.20	-19.92
15690.00	Peak	30.82	23.09	53.91	74.00	-20.09
N/A						

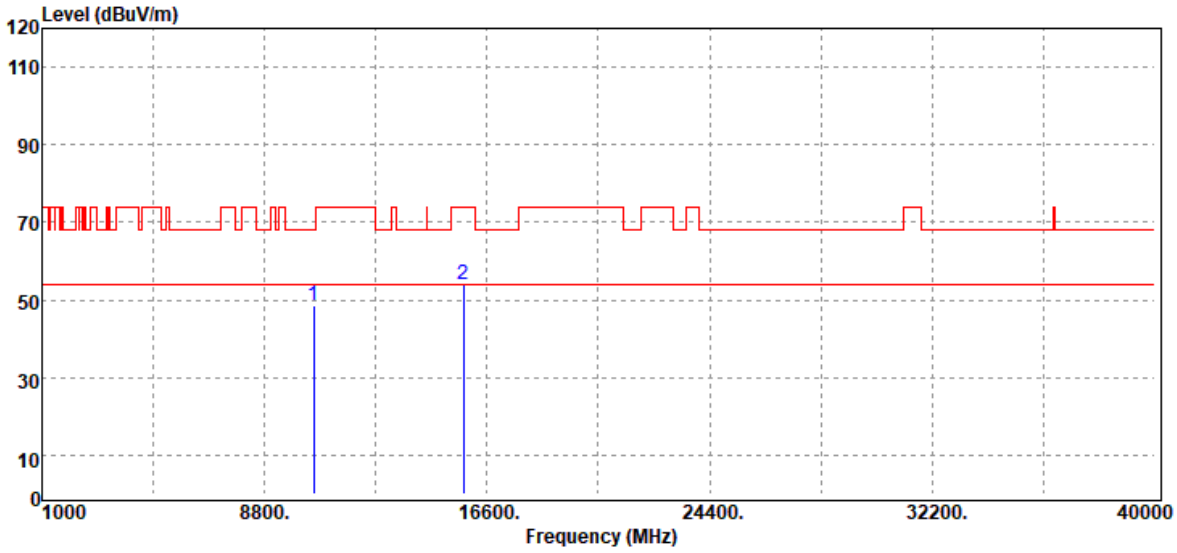
Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Data for UNII-2a

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



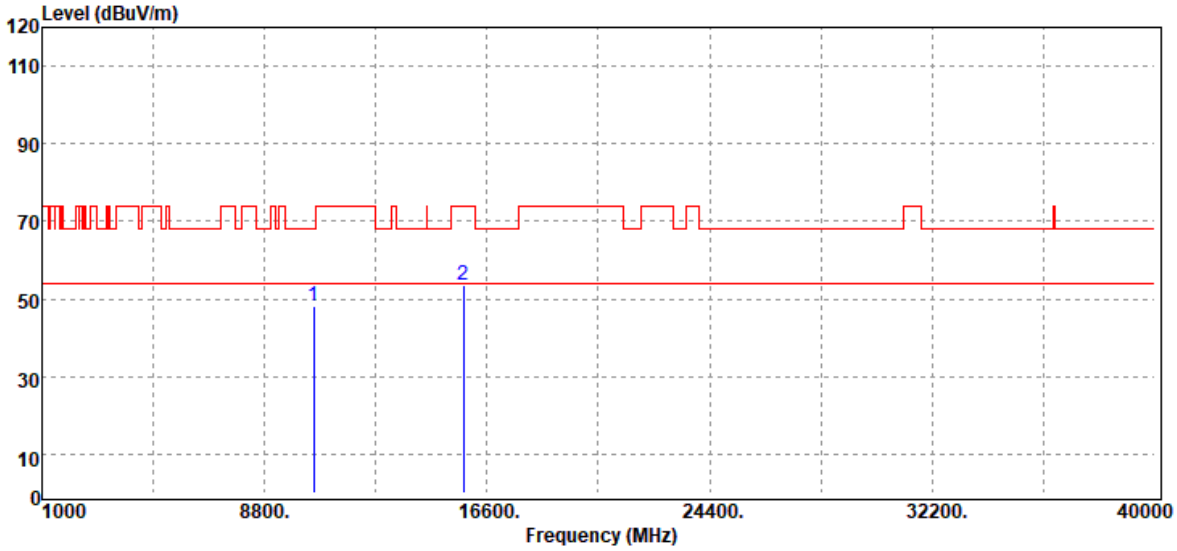
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	30.36	18.30	48.66	68.20	-19.54
15780.00	Peak	30.84	23.19	54.03	74.00	-19.97
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



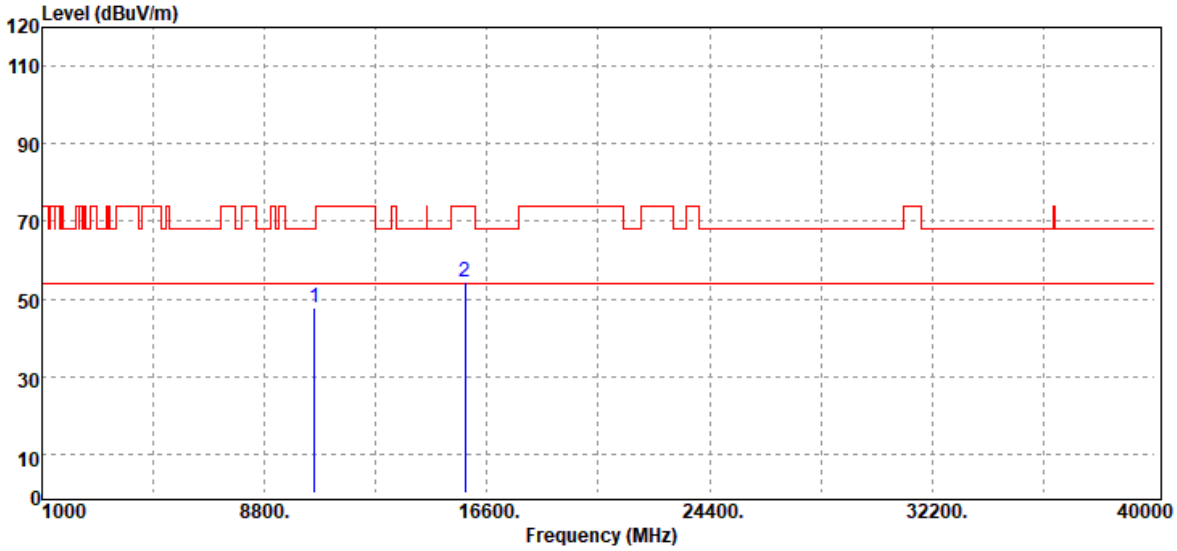
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	30.00	18.30	48.30	68.20	-19.90
15780.00	Peak	30.21	23.19	53.40	74.00	-20.60
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5280 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



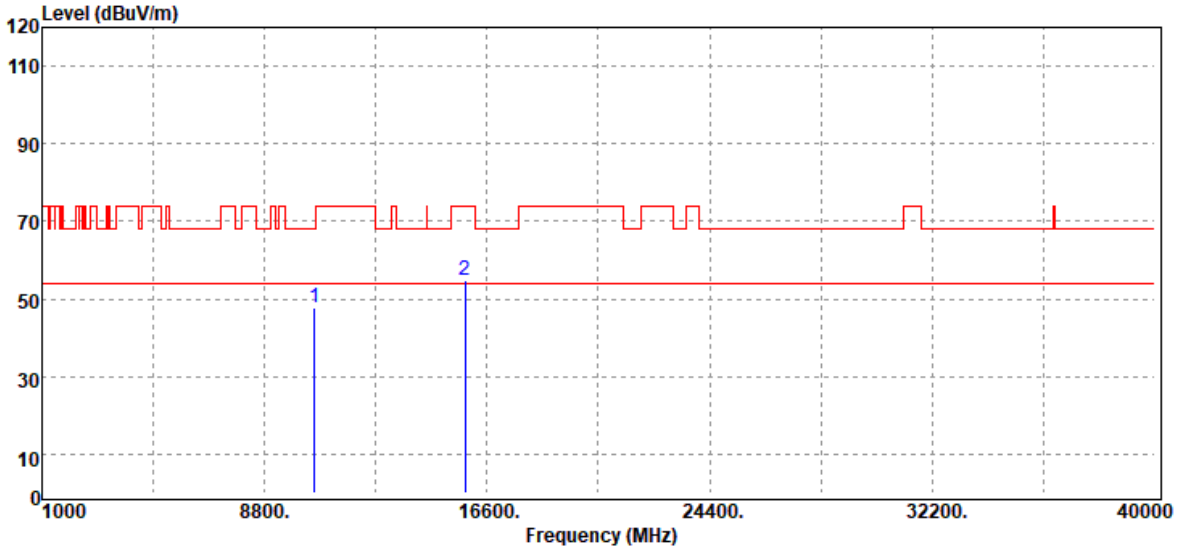
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	29.48	18.35	47.83	68.20	-20.37
15840.00	Peak	30.70	23.52	54.22	74.00	-19.78
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5280 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



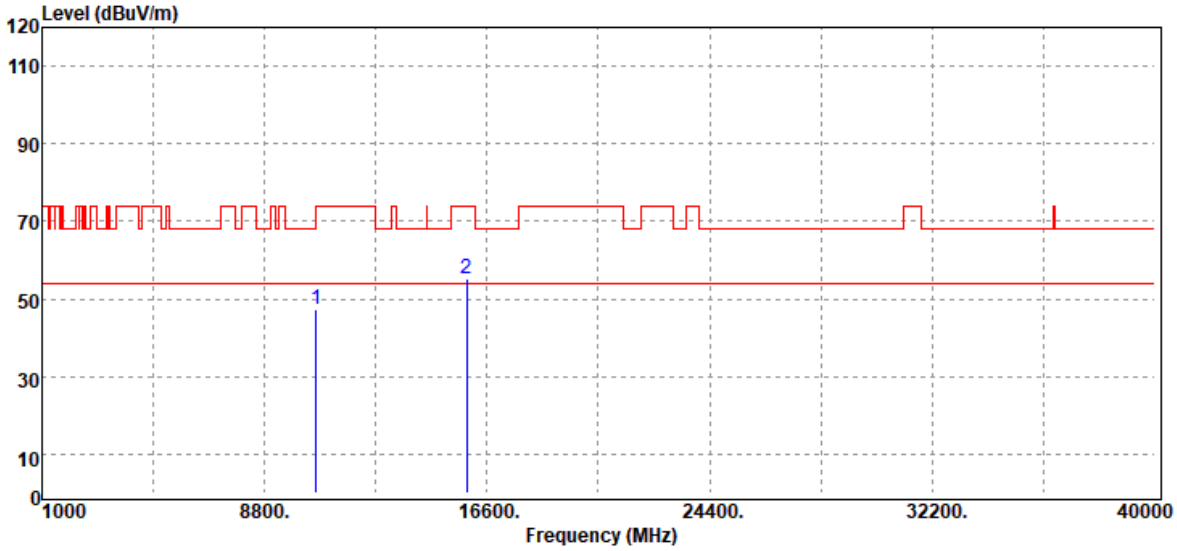
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	29.46	18.35	47.81	68.20	-20.39
15840.00	Peak	31.22	23.52	54.74	74.00	-19.26
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



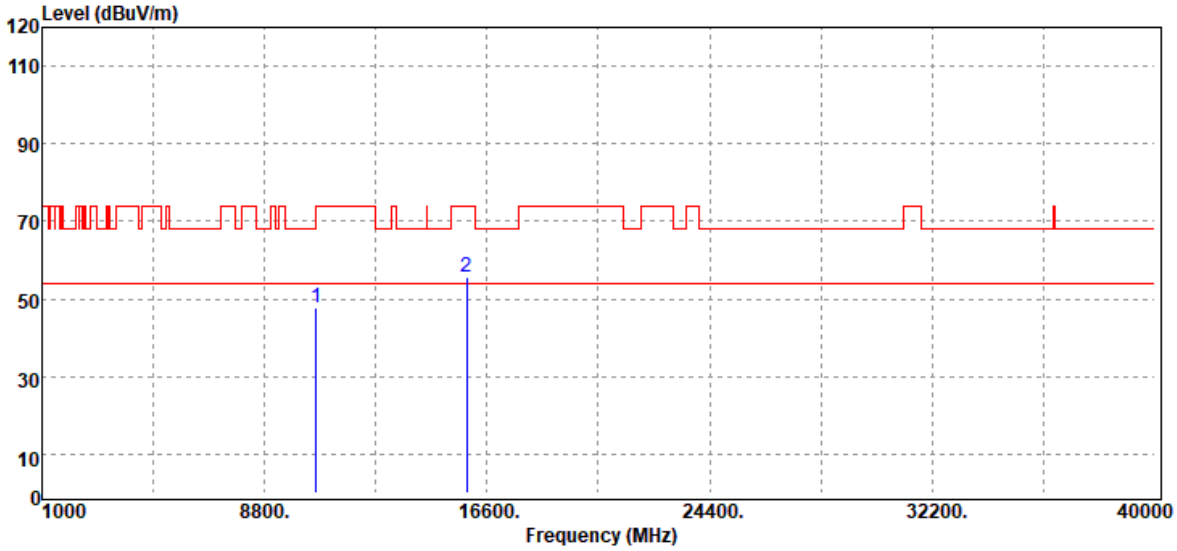
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	Peak	29.08	18.32	47.40	68.20	-20.80
15900.00	Peak	30.88	24.40	55.28	74.00	-18.72
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



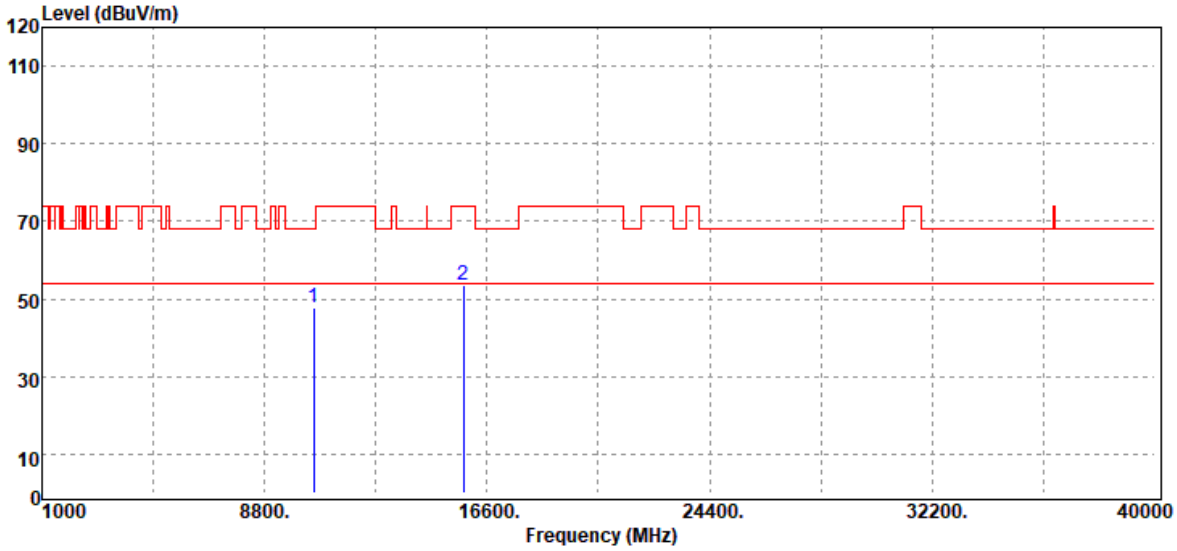
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	Peak	29.53	18.32	47.85	68.20	-20.35
15900.00	Peak	31.38	24.40	55.78	74.00	-18.22
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



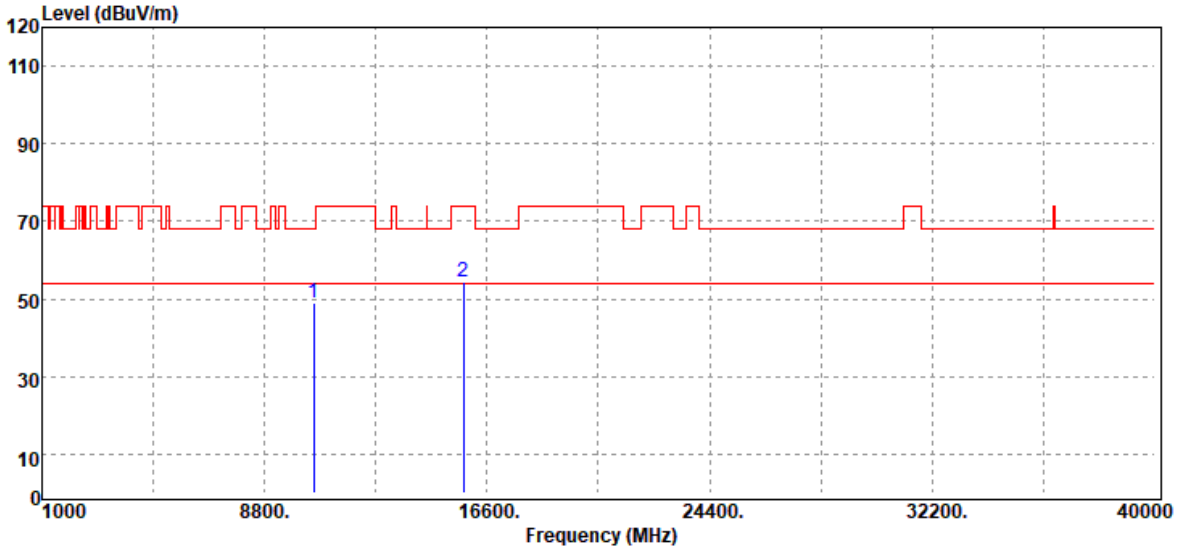
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	29.52	18.30	47.82	68.20	-20.38
15780.00	Peak	30.43	23.19	53.62	74.00	-20.38
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



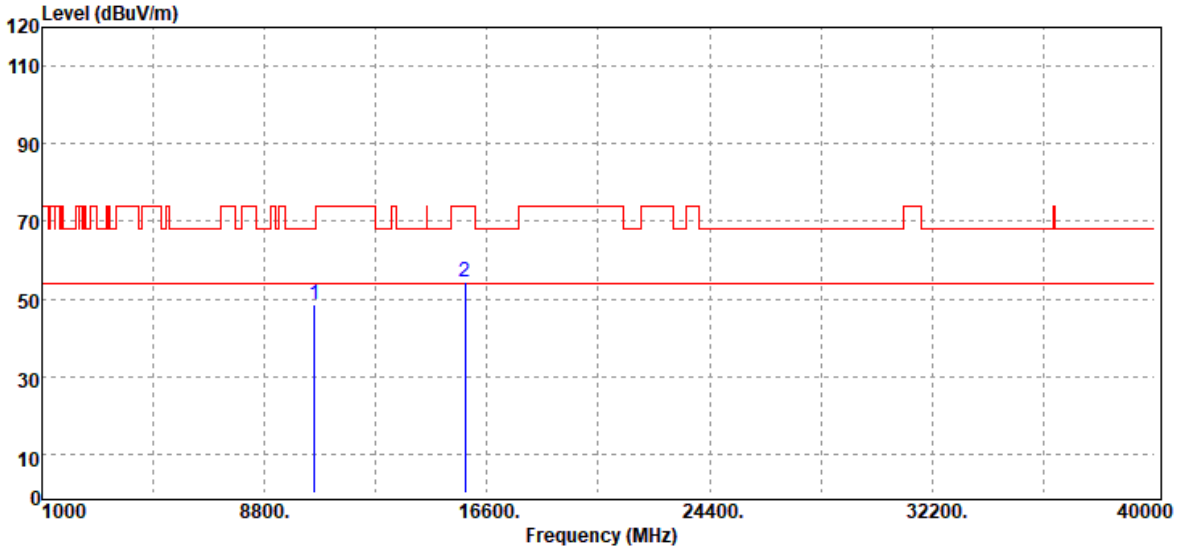
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	30.59	18.30	48.89	68.20	-19.31
15780.00	Peak	31.35	23.19	54.54	74.00	-19.46
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5280 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



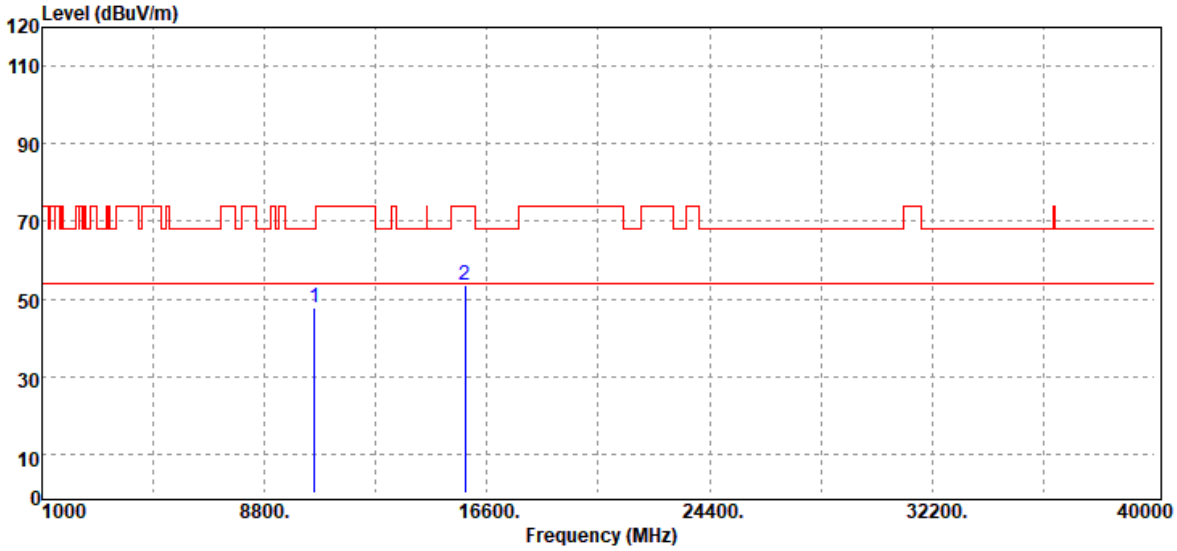
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	30.11	18.35	48.46	68.20	-19.74
15840.00	Peak	31.05	23.52	54.57	74.00	-19.43
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5280 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



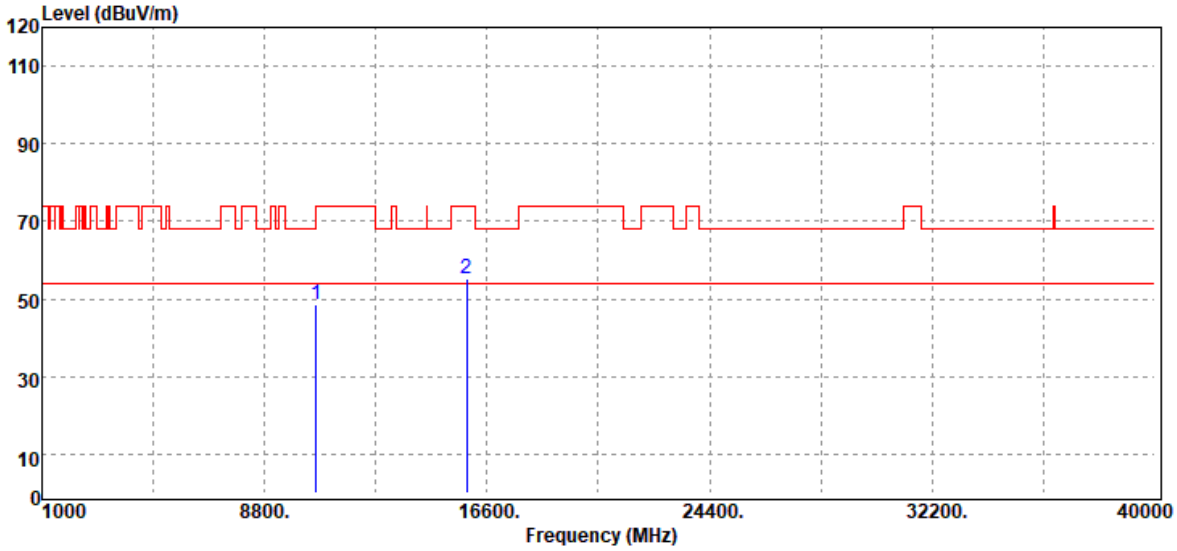
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	29.49	18.35	47.84	68.20	-20.36
15840.00	Peak	30.20	23.52	53.72	74.00	-20.28
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



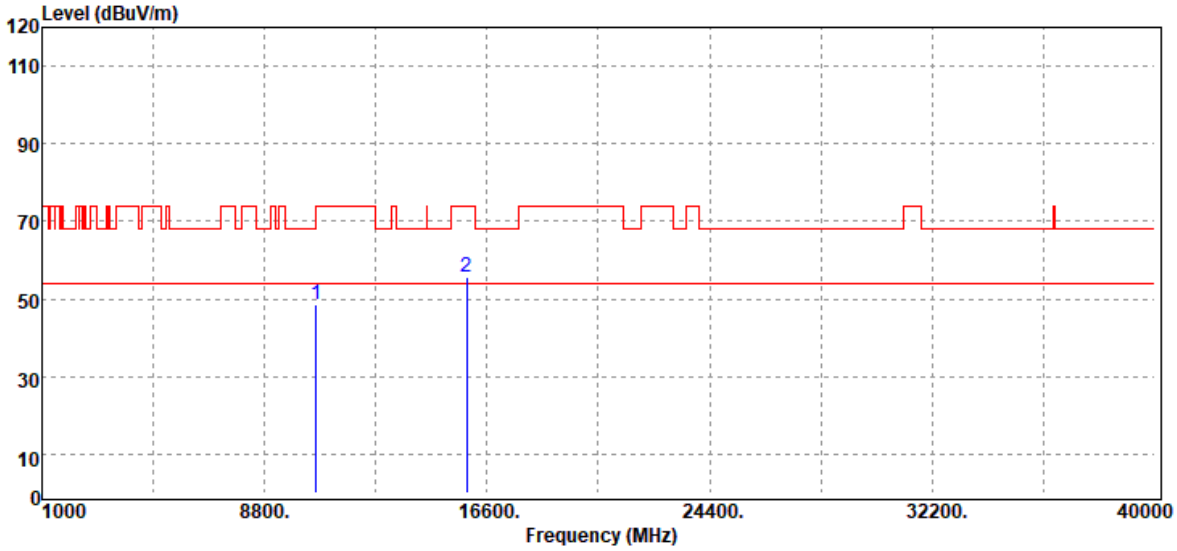
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	Peak	30.11	18.32	48.43	68.20	-19.77
15900.00	Peak	30.63	24.40	55.03	74.00	-18.97
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



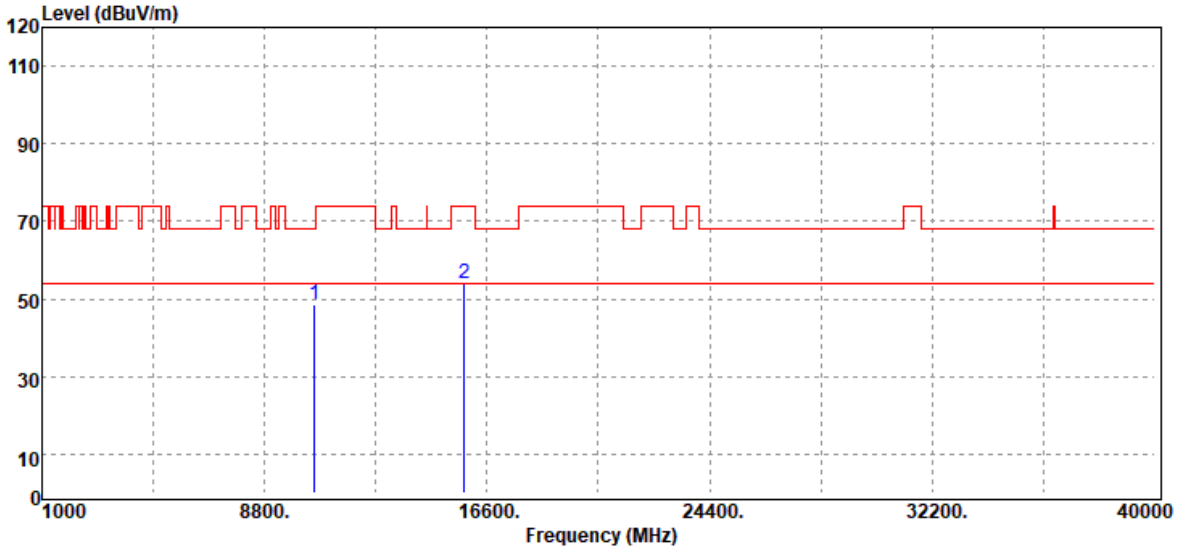
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	Peak	30.25	18.32	48.57	68.20	-19.63
15900.00	Peak	31.12	24.40	55.52	74.00	-18.48
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



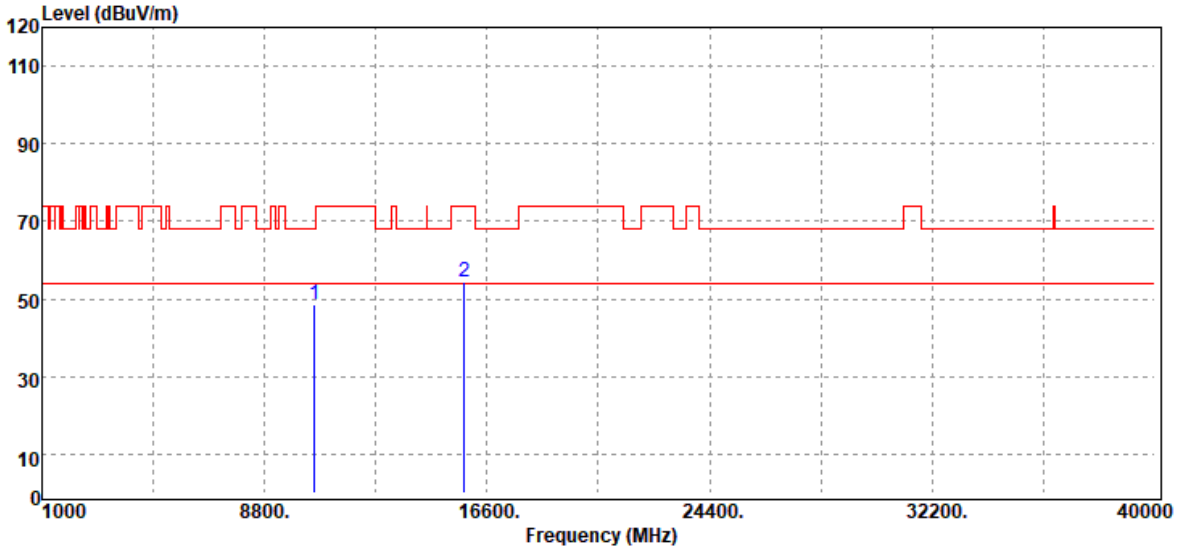
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10540.00	Peak	30.07	18.34	48.41	68.20	-19.79
15810.00	Peak	30.79	23.31	54.10	74.00	-19.90
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



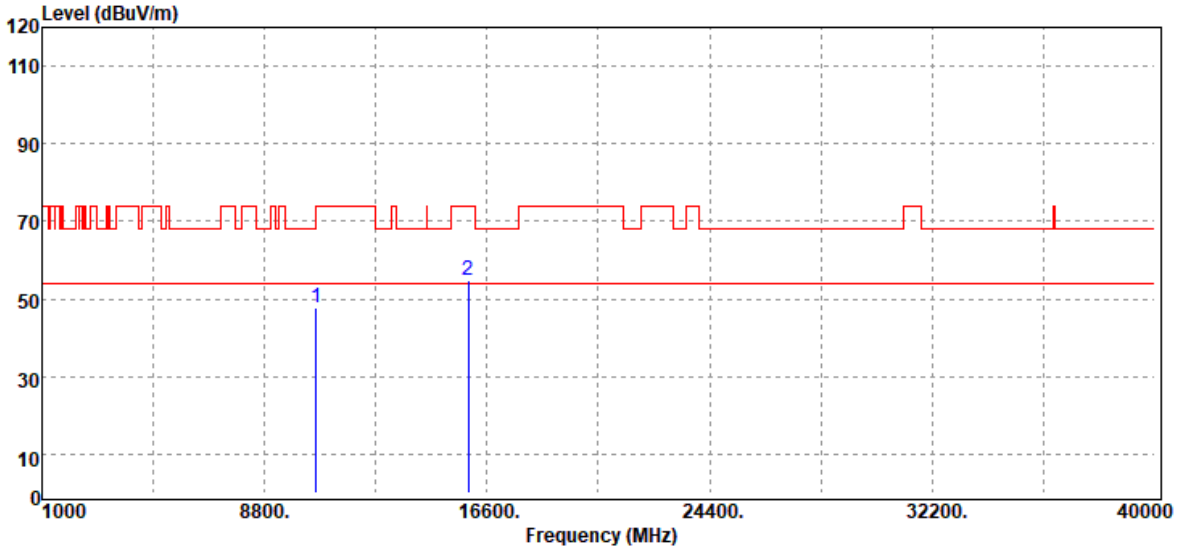
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10540.00	Peak	30.07	18.34	48.41	68.20	-19.79
15810.00	Peak	30.91	23.31	54.22	74.00	-19.78
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



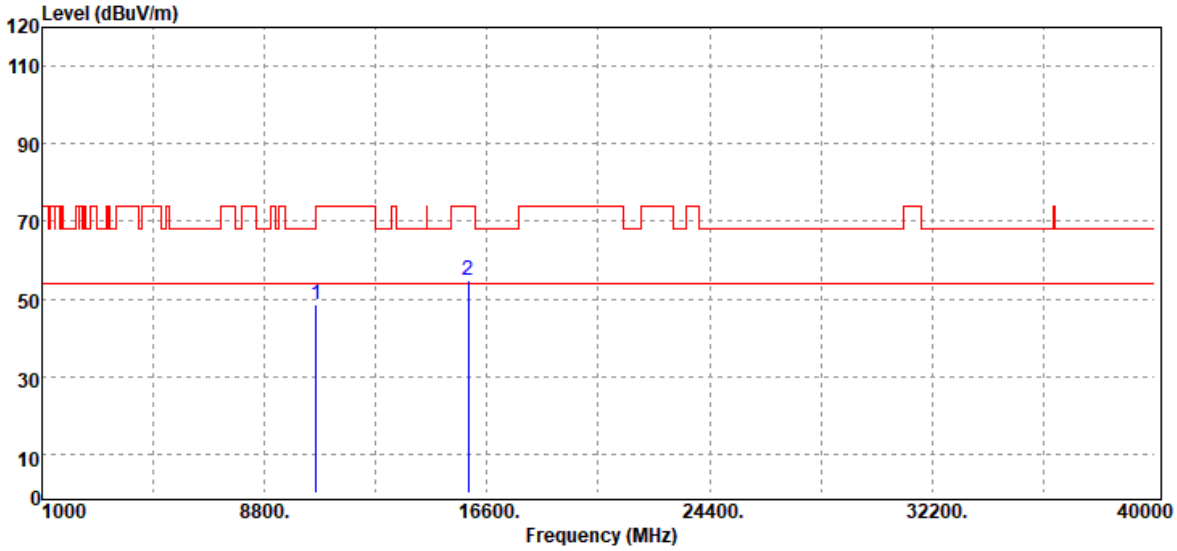
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10620.00	Peak	29.28	18.35	47.63	74.00	-26.37
15930.00	Peak	30.25	24.44	54.69	74.00	-19.31
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10620.00	Peak	30.25	18.35	48.60	74.00	-25.40
15930.00	Peak	30.56	24.44	55.00	74.00	-19.00
N/A						

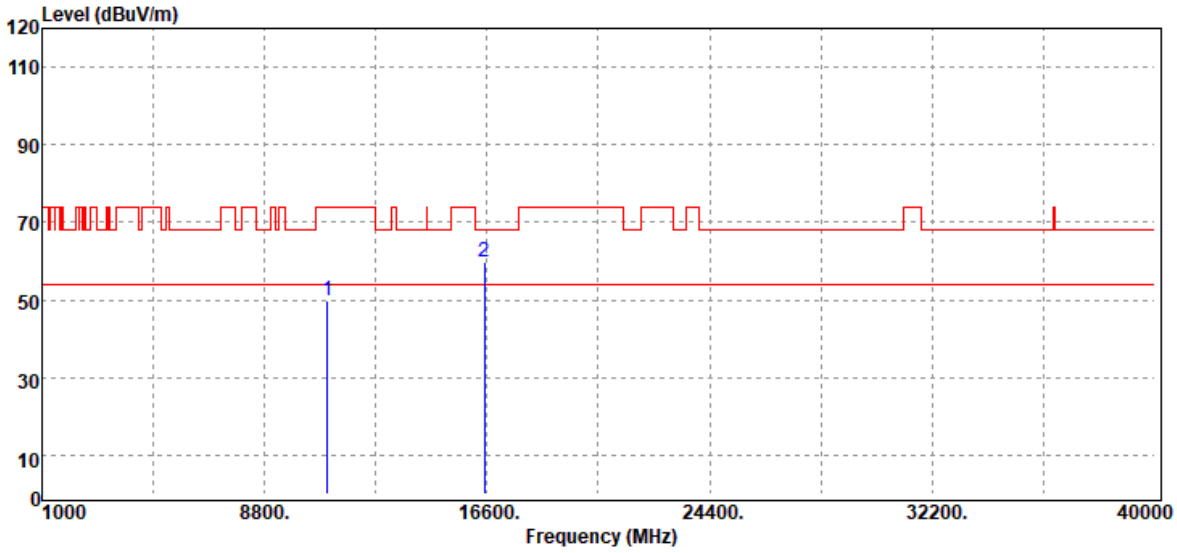
Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Data for UNII-2c

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



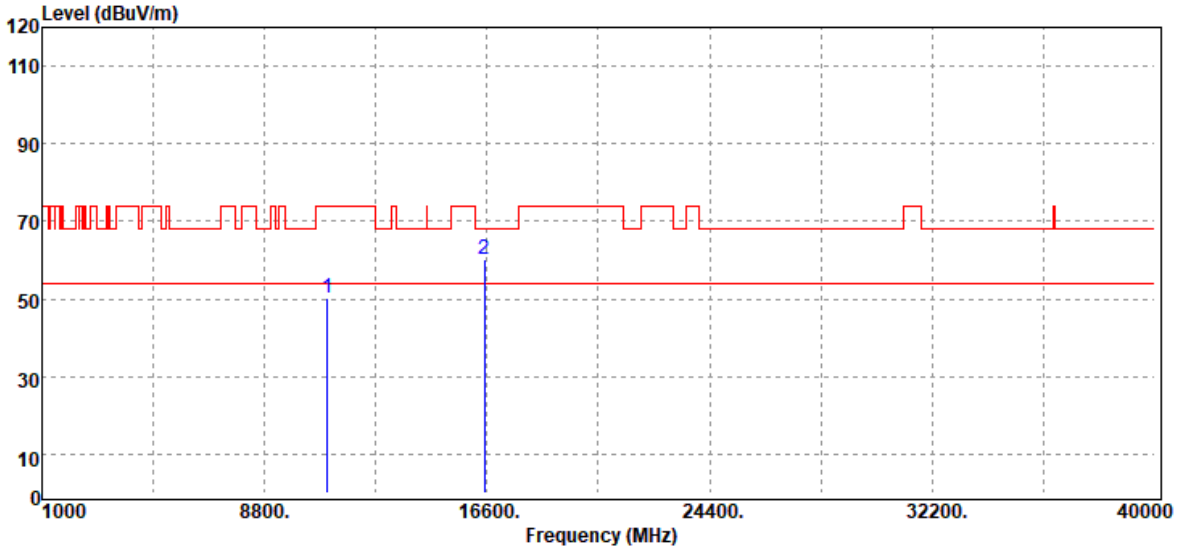
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	30.66	19.20	49.86	74.00	-24.14
16500.00	Peak	30.85	28.82	59.67	68.20	-8.53
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



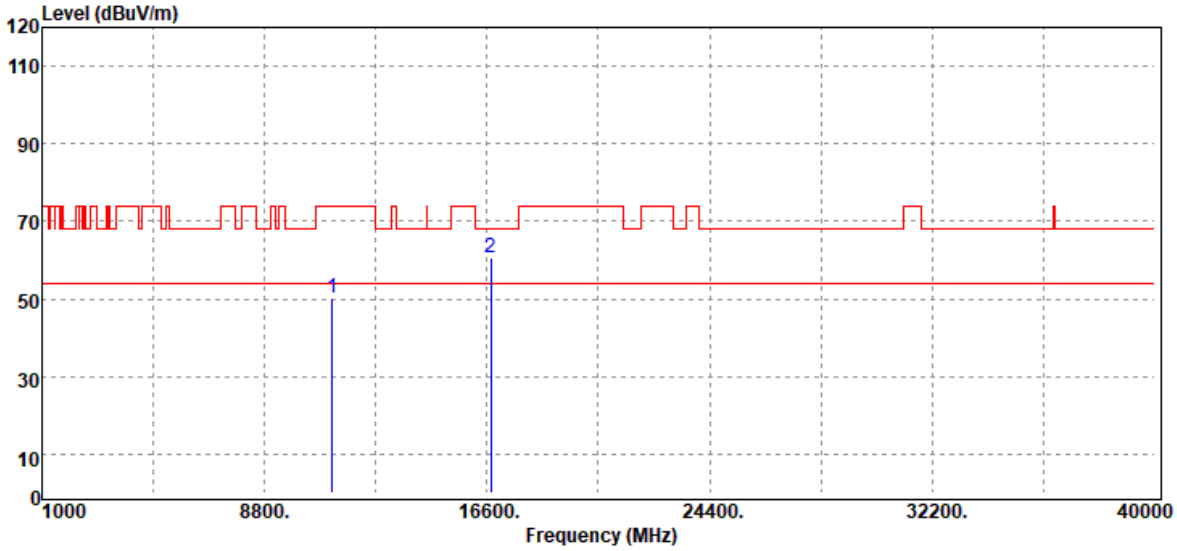
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	30.99	19.20	50.19	74.00	-23.81
16500.00	Peak	31.22	28.82	60.04	68.20	-8.16
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



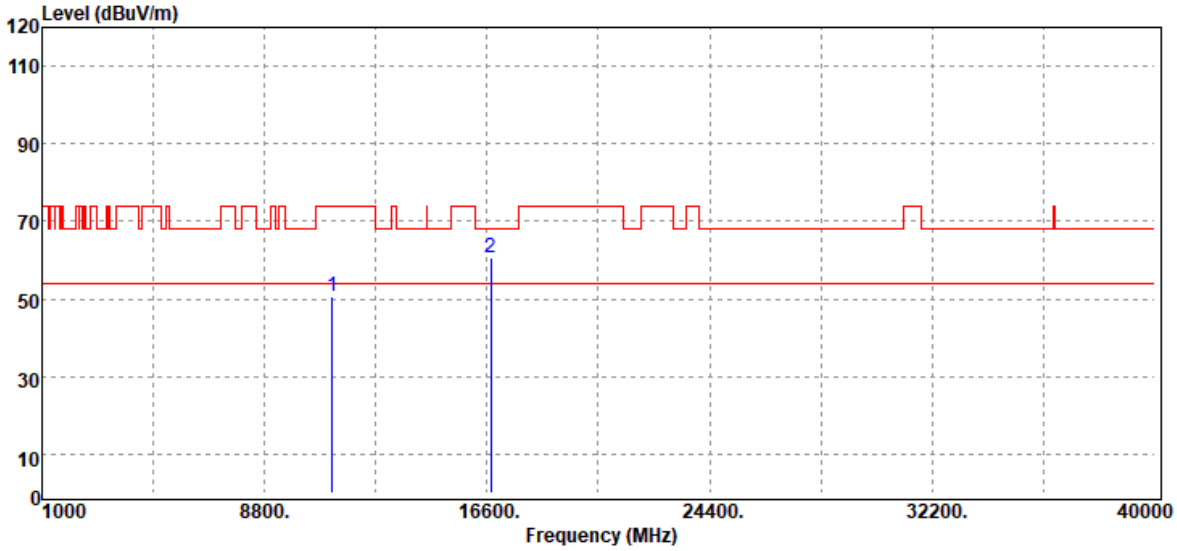
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	30.56	19.54	50.10	74.00	-23.90
16740.00	Peak	30.19	30.51	60.70	68.20	-7.50
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



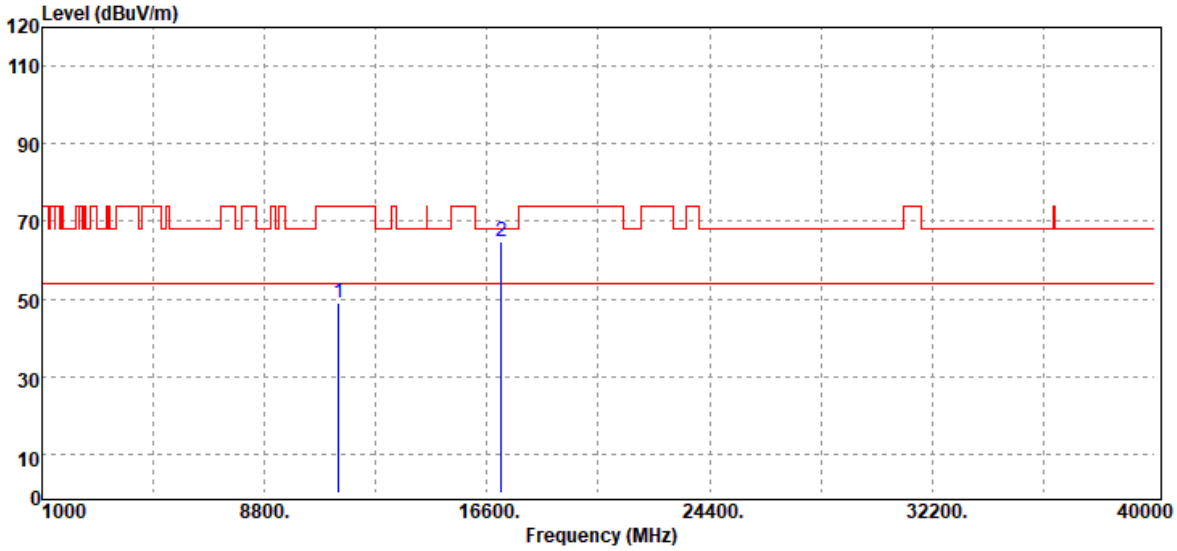
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	31.06	19.54	50.60	74.00	-23.40
16740.00	Peak	30.17	30.51	60.68	68.20	-7.52
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



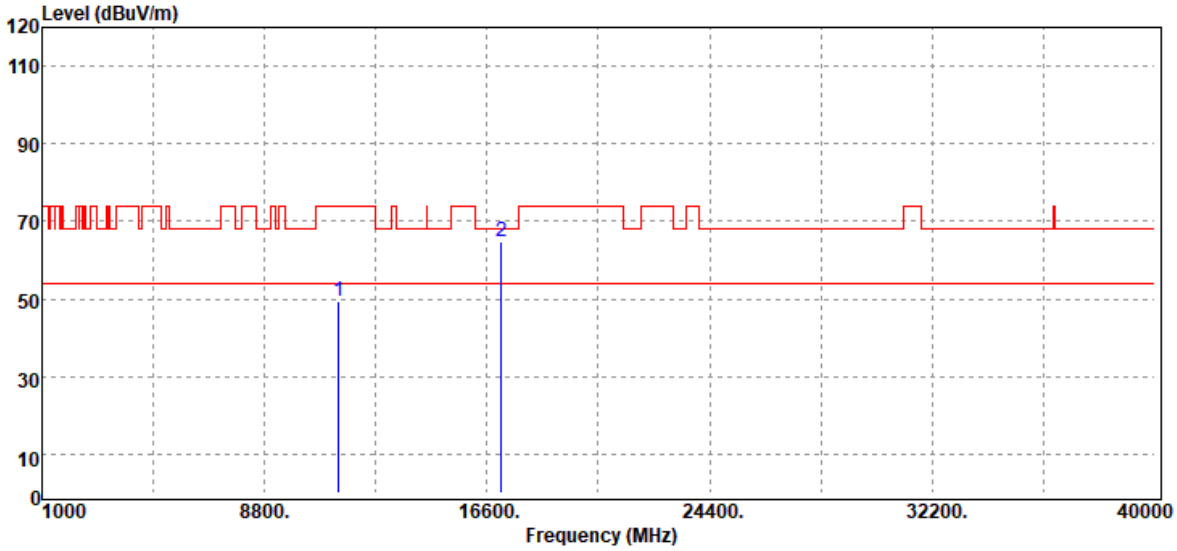
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	29.81	19.03	48.84	74.00	-25.16
17100.00	Peak	30.72	34.03	64.75	68.20	-3.45
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



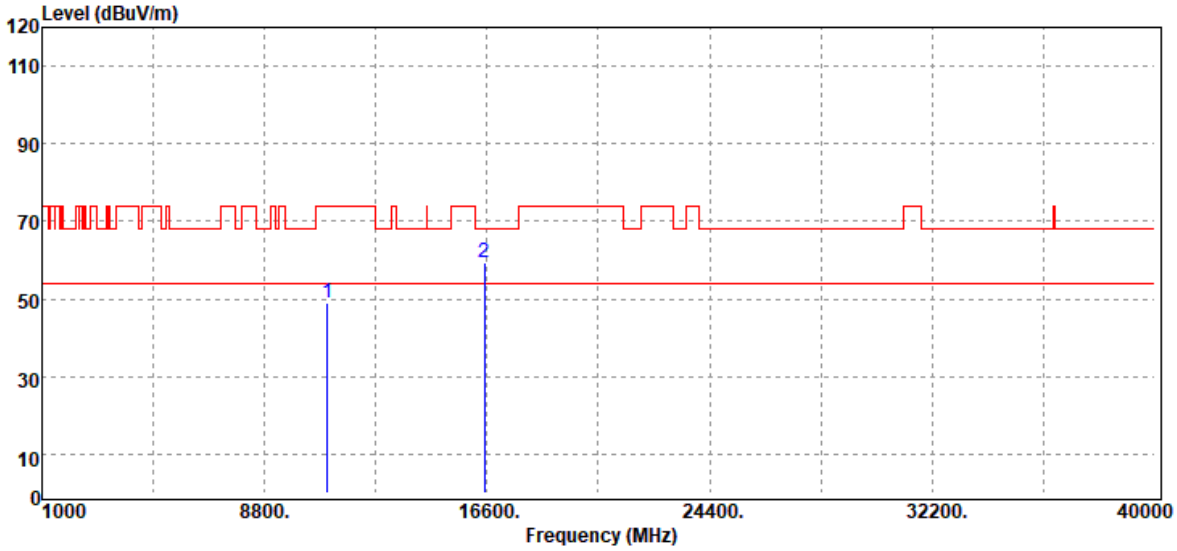
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	30.22	19.03	49.25	74.00	-24.75
17100.00	Peak	30.73	34.03	64.76	68.20	-3.44
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5500 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



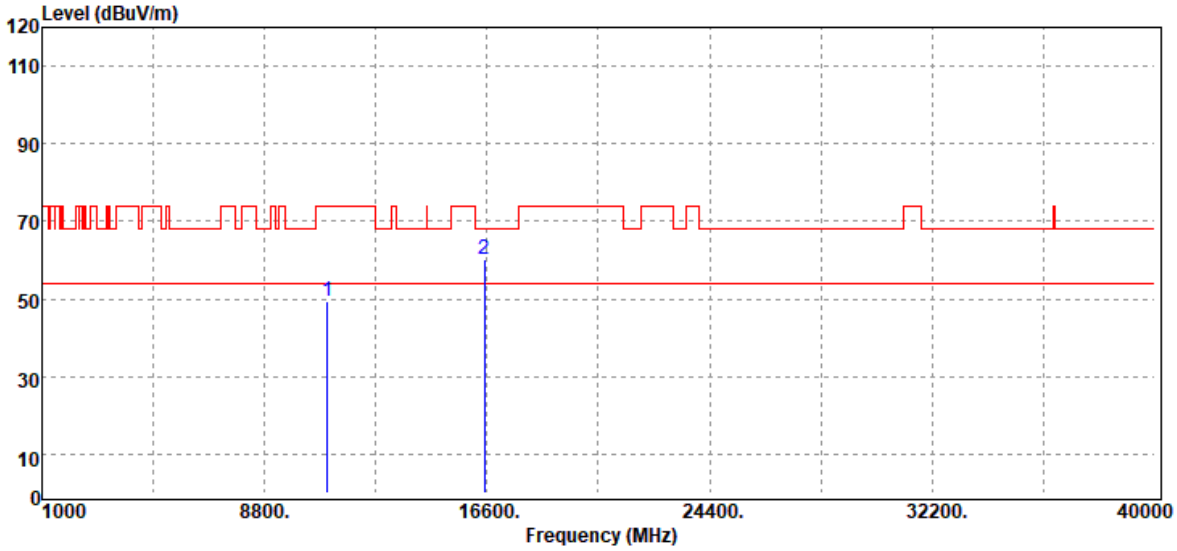
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	29.89	19.20	49.09	74.00	-24.91
16500.00	Peak	30.49	28.82	59.31	68.20	-8.89
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5500 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



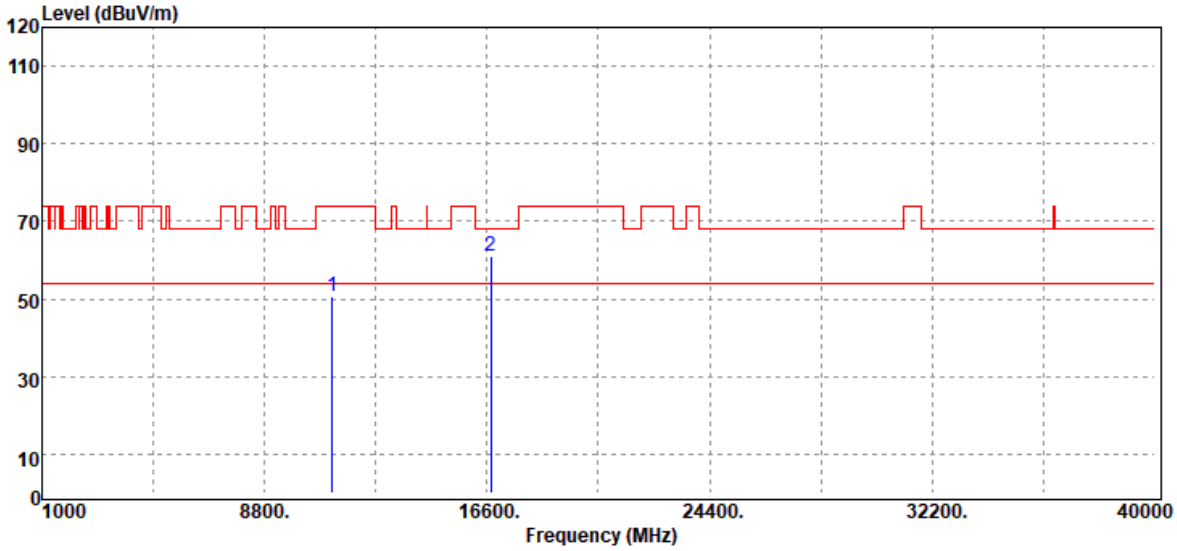
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	30.04	19.20	49.24	74.00	-24.76
16500.00	Peak	31.58	28.82	60.40	68.20	-7.80
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5580 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



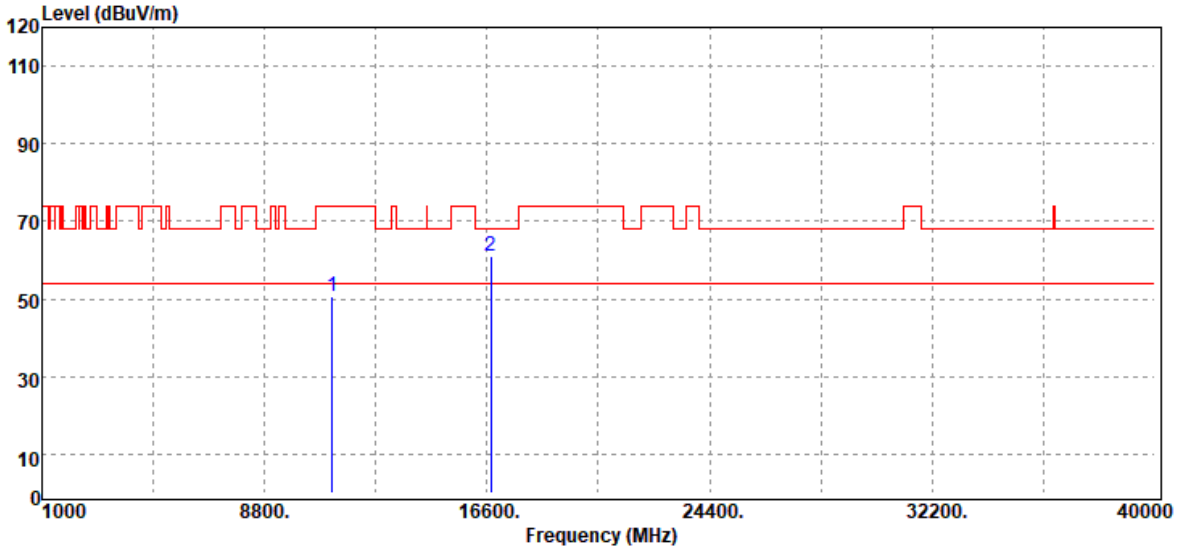
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	30.99	19.54	50.53	74.00	-23.47
16740.00	Peak	30.48	30.51	60.99	68.20	-7.21
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5580 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



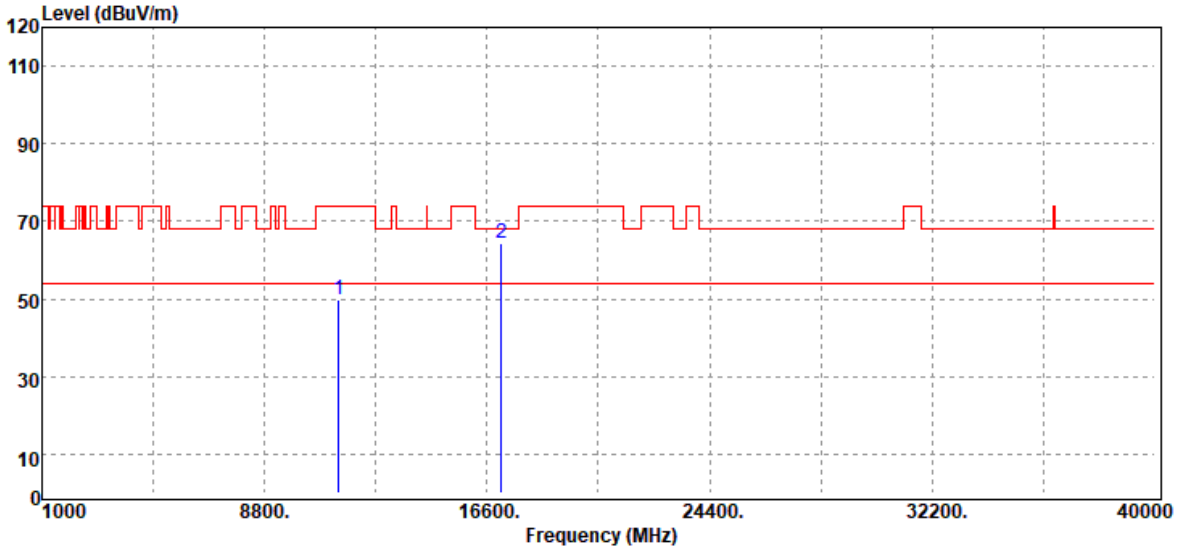
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	30.94	19.54	50.48	74.00	-23.52
16740.00	Peak	30.38	30.51	60.89	68.20	-7.31
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



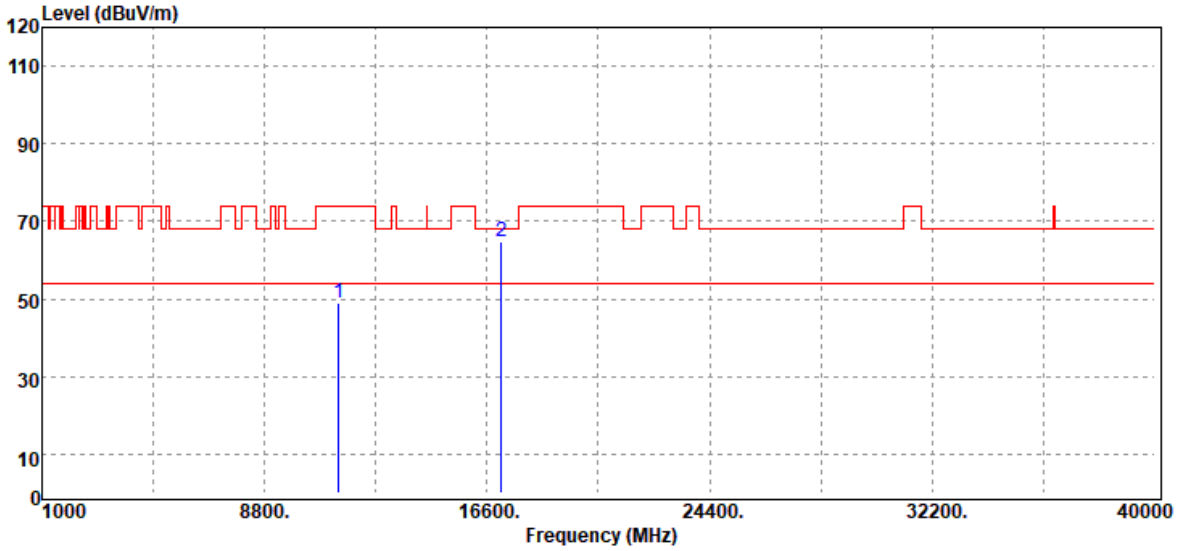
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	30.81	19.03	49.84	74.00	-24.16
17100.00	Peak	30.40	34.03	64.43	68.20	-3.77
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



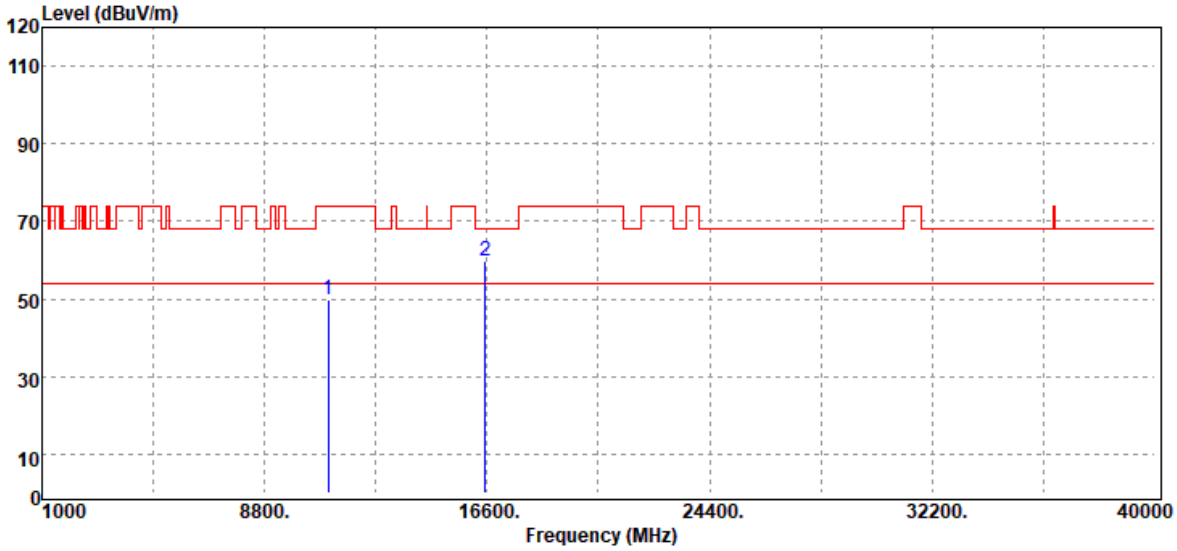
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	29.91	19.03	48.94	74.00	-25.06
17100.00	Peak	30.60	34.03	64.63	68.20	-3.57
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



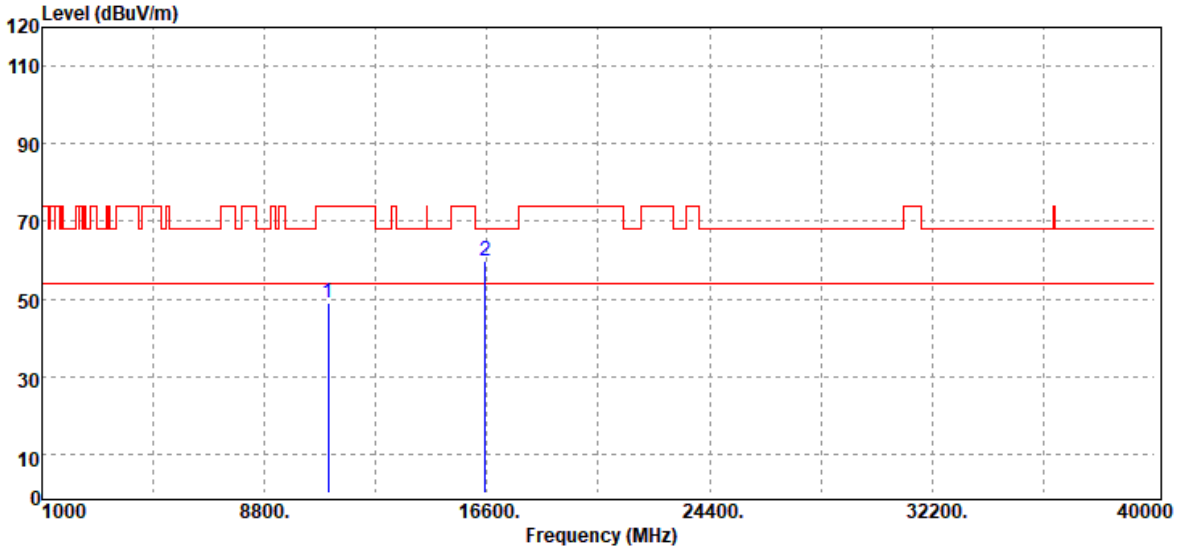
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11020.00	Peak	30.40	19.26	49.66	74.00	-24.34
16530.00	Peak	30.94	29.02	59.96	68.20	-8.24
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



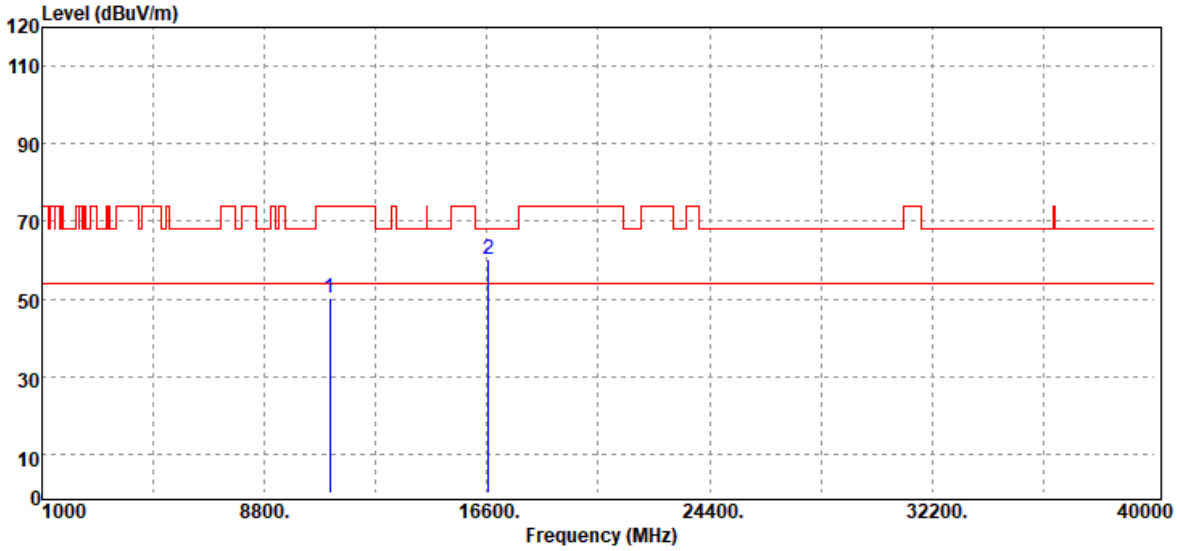
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11020.00	Peak	29.94	19.26	49.20	74.00	-24.80
16530.00	Peak	30.66	29.02	59.68	68.20	-8.52
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



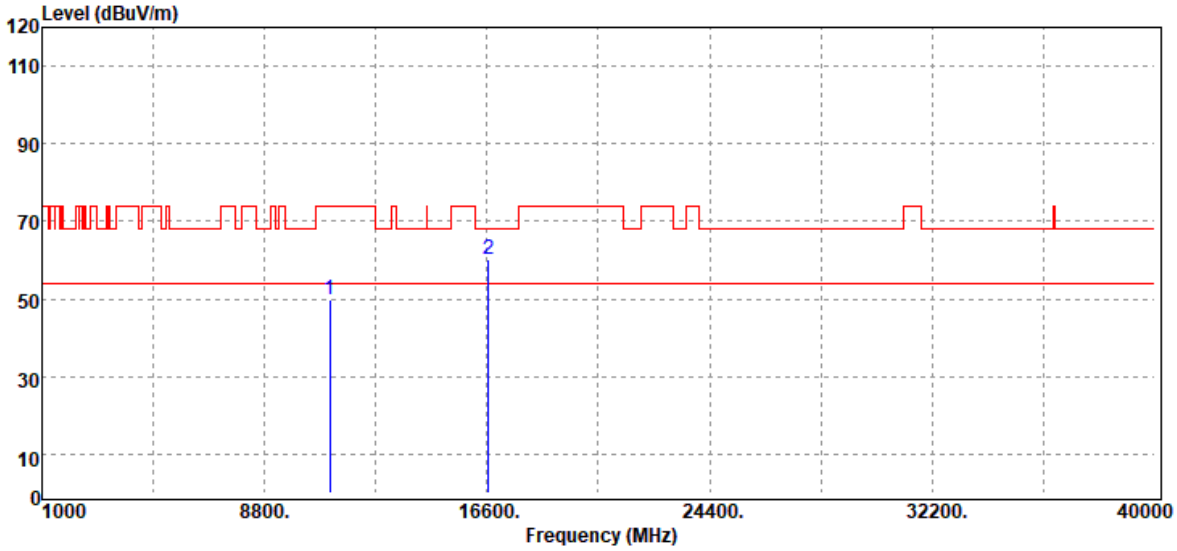
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11100.00	Peak	30.68	19.58	50.26	74.00	-23.74
16650.00	Peak	30.81	29.44	60.25	68.20	-7.95
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



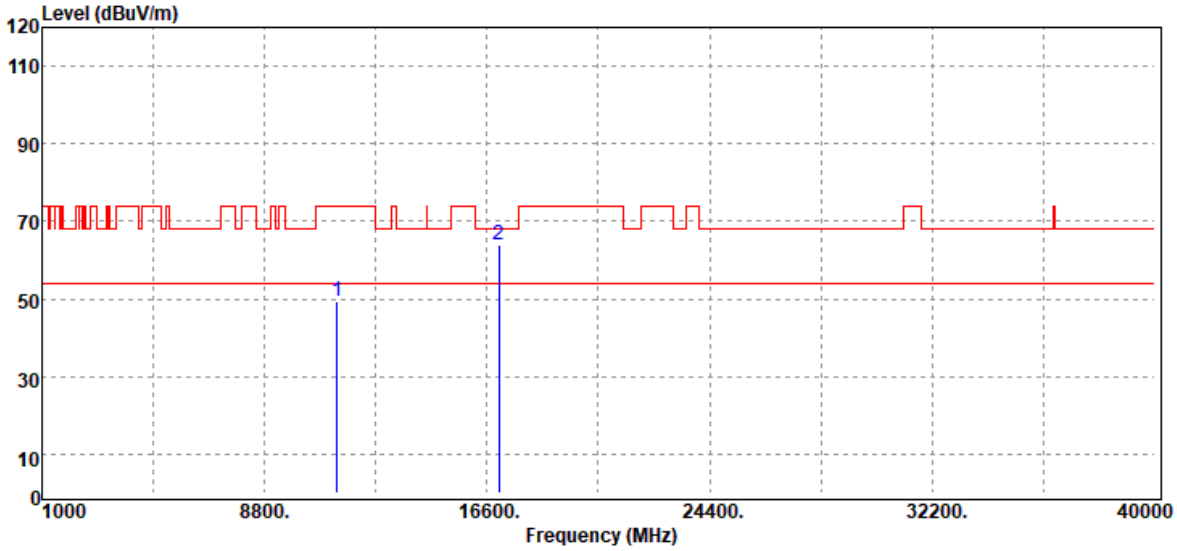
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11100.00	Peak	30.07	19.58	49.65	74.00	-24.35
16650.00	Peak	30.85	29.44	60.29	68.20	-7.91
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



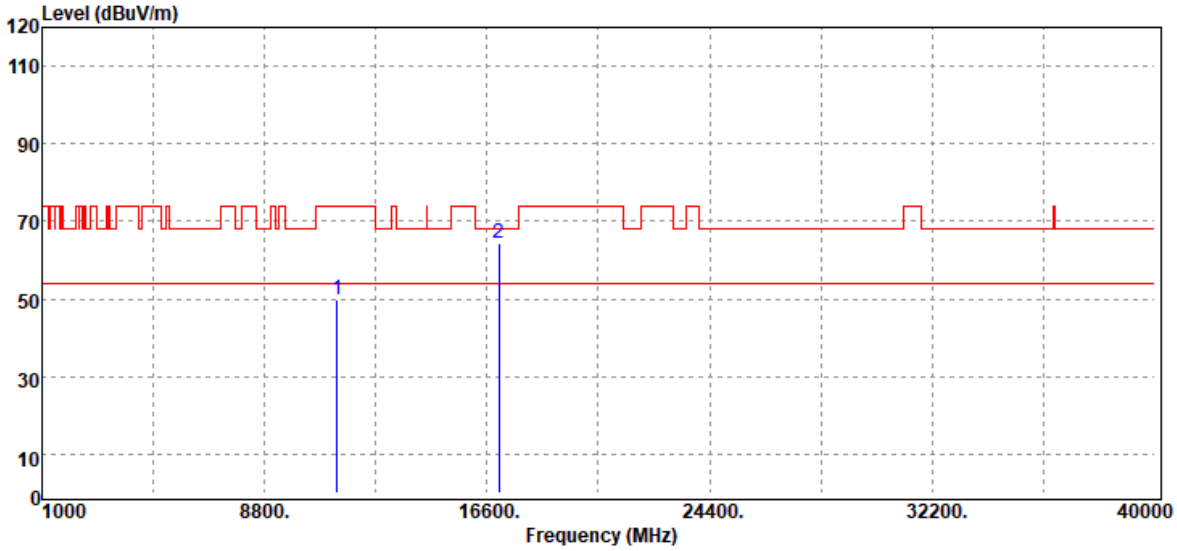
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11340.00	Peak	30.29	19.28	49.57	74.00	-24.43
17010.00	Peak	30.00	33.96	63.96	68.20	-4.24
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11340.00	Peak	30.58	19.28	49.86	74.00	-24.14
17010.00	Peak	30.49	33.96	64.45	68.20	-3.75
N/A						

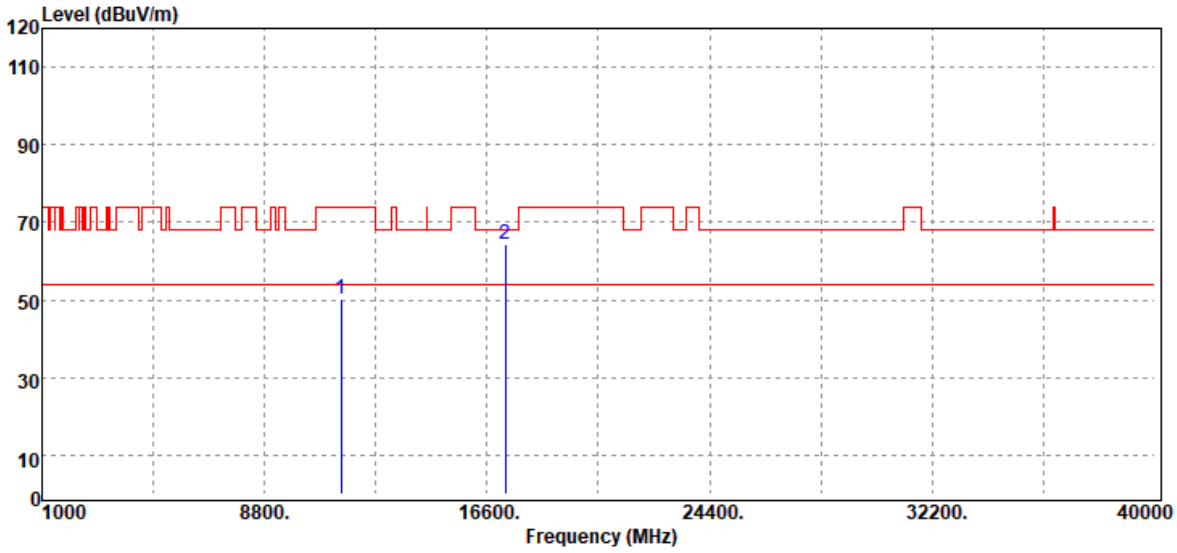
Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Data for UNII-3

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



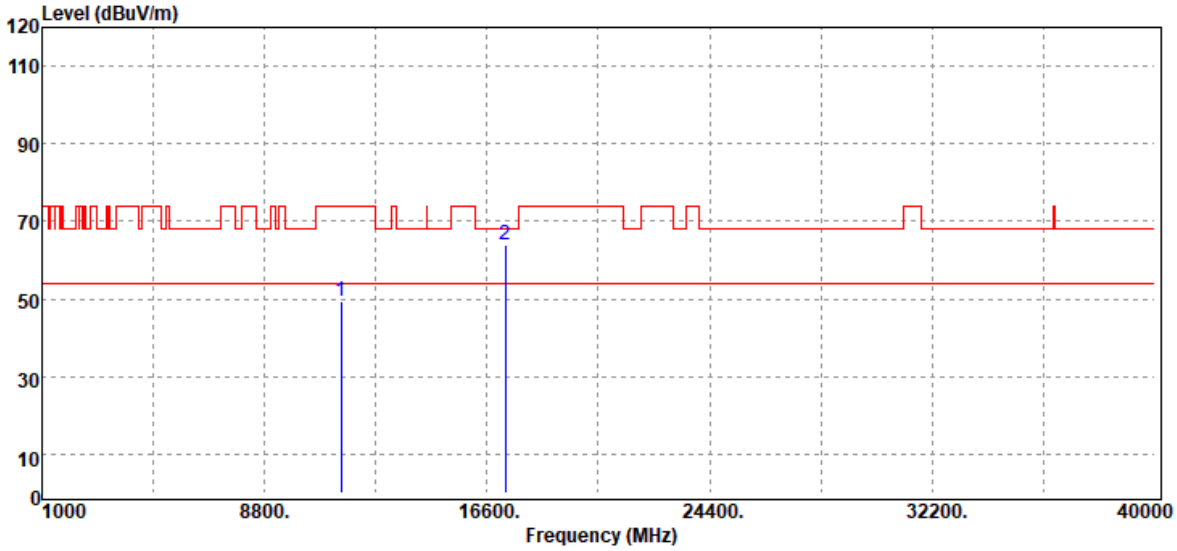
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	30.92	19.13	50.05	74.00	-23.95
17235.00	Peak	30.40	33.97	64.37	68.20	-3.83
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



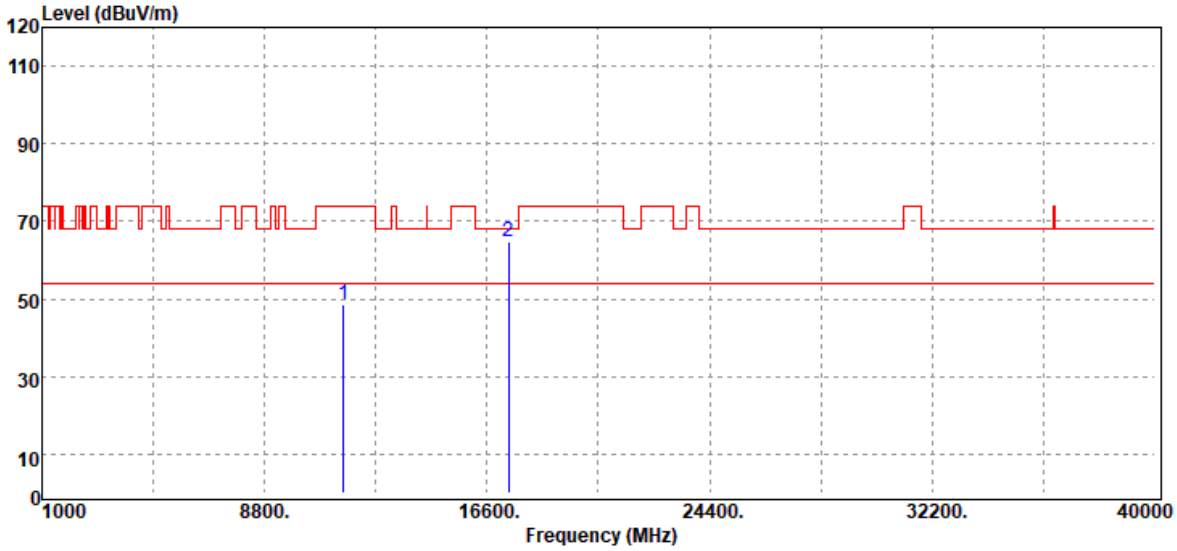
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	30.22	19.13	49.35	74.00	-24.65
17235.00	Peak	30.08	33.97	64.05	68.20	-4.15
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5785 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



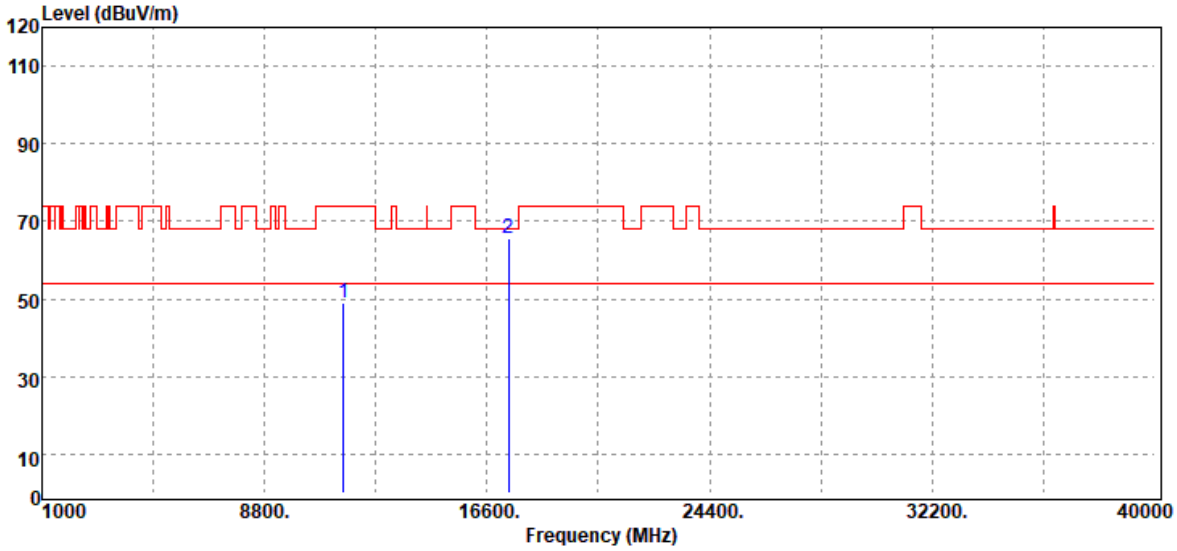
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	29.60	19.04	48.64	74.00	-25.36
17355.00	Peak	30.37	34.47	64.84	68.20	-3.36
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5785 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



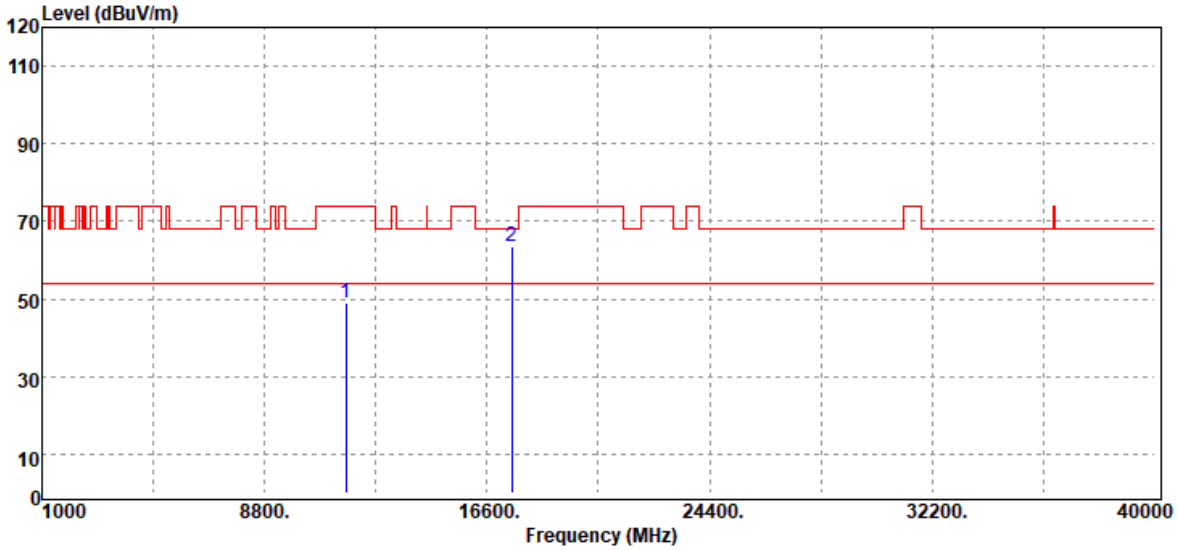
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	29.88	19.04	48.92	74.00	-25.08
17355.00	Peak	31.01	34.47	65.48	68.20	-2.72
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



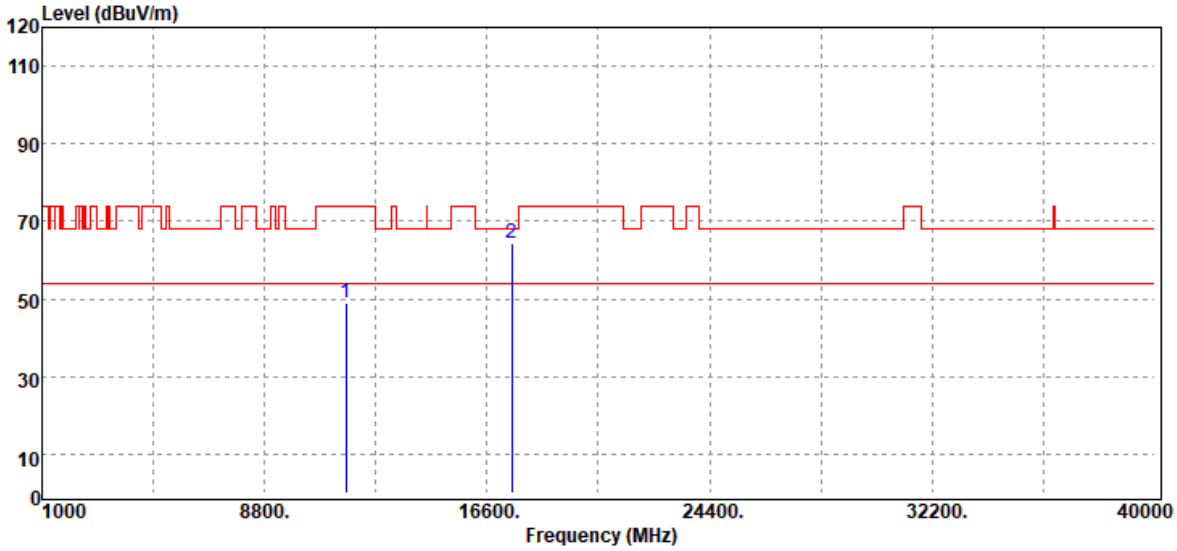
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	30.04	19.14	49.18	74.00	-24.82
17475.00	Peak	29.44	34.30	63.74	68.20	-4.46
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



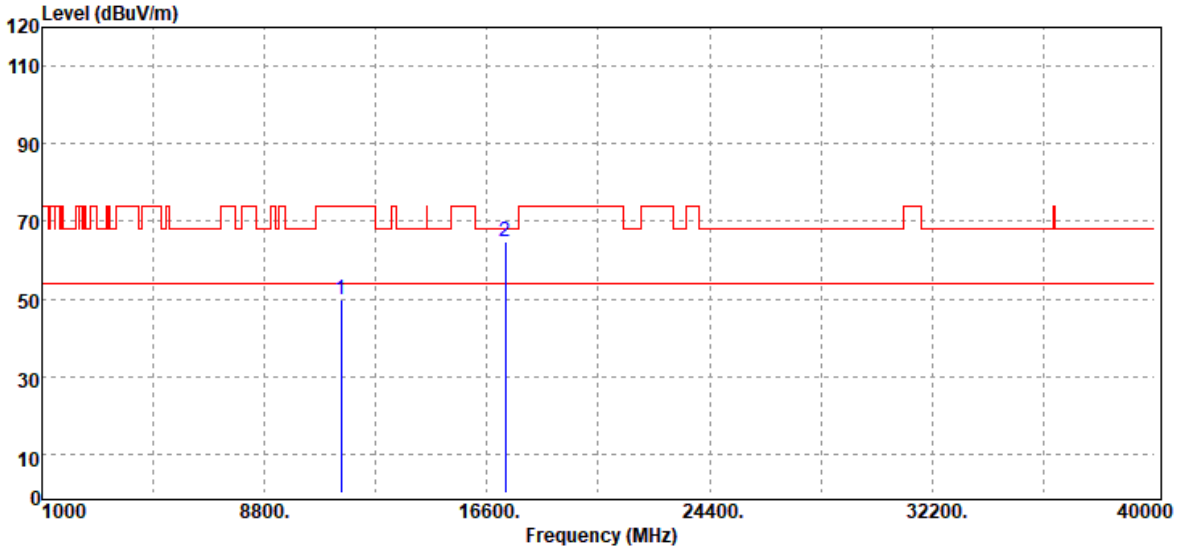
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	29.86	19.14	49.00	74.00	-25.00
17475.00	Peak	29.99	34.30	64.29	68.20	-3.91
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



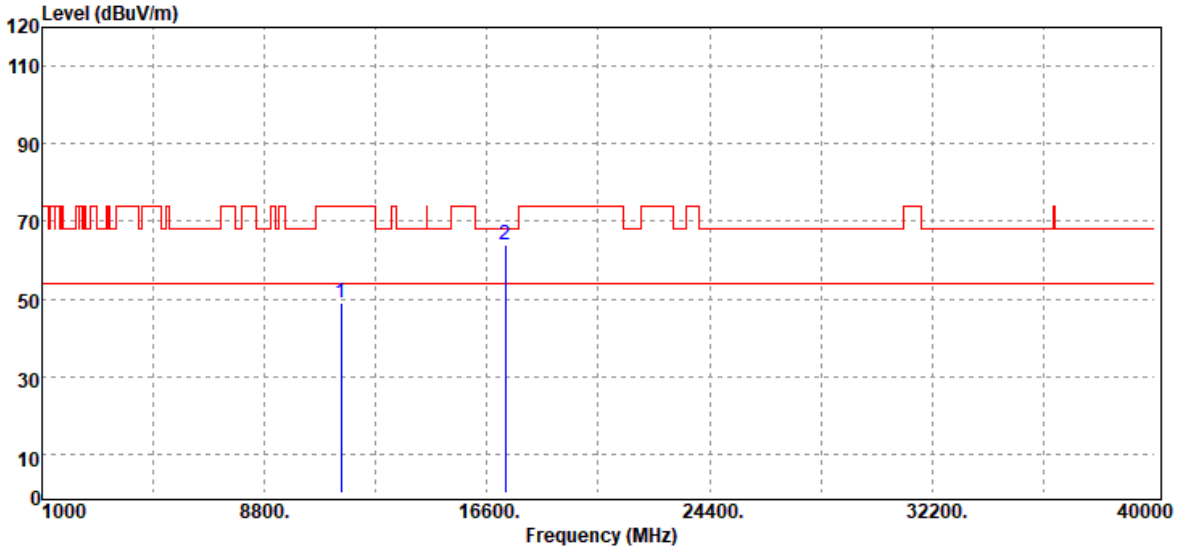
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	30.60	19.13	49.73	74.00	-24.27
17235.00	Peak	30.90	33.97	64.87	68.20	-3.33
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



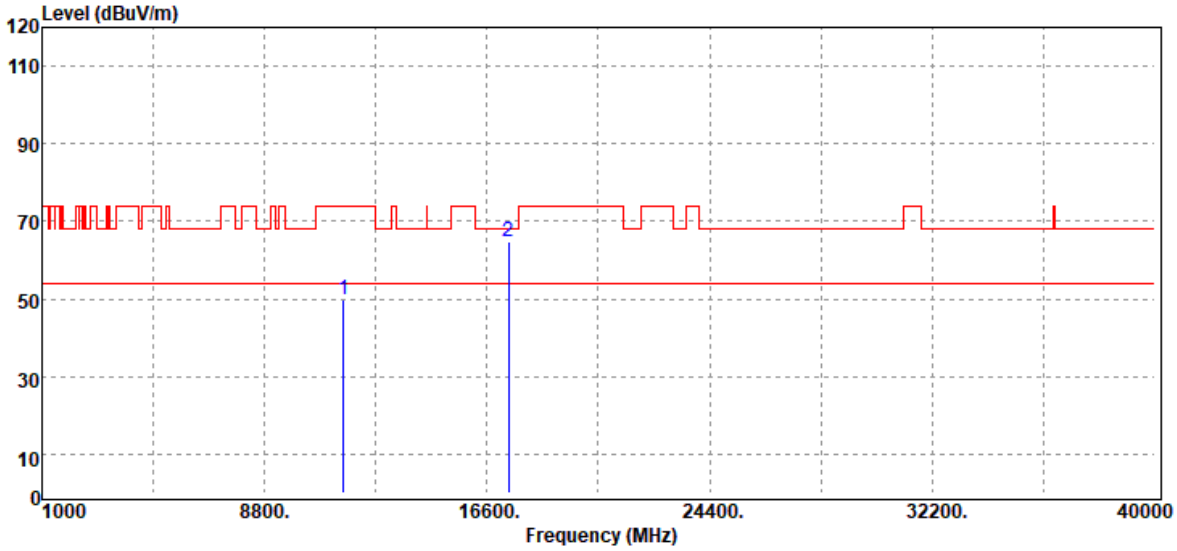
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	29.94	19.13	49.07	74.00	-24.93
17235.00	Peak	30.02	33.97	63.99	68.20	-4.21
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz/ 5785 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



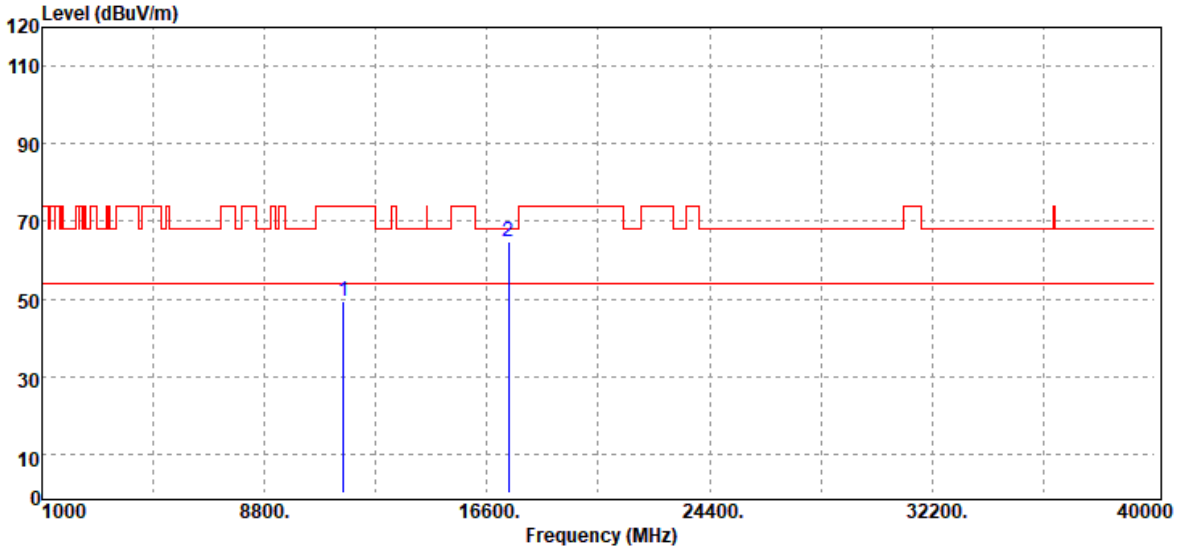
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	30.60	19.04	49.64	74.00	-24.36
17355.00	Peak	30.35	34.47	64.82	68.20	-3.38
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz/ 5785 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



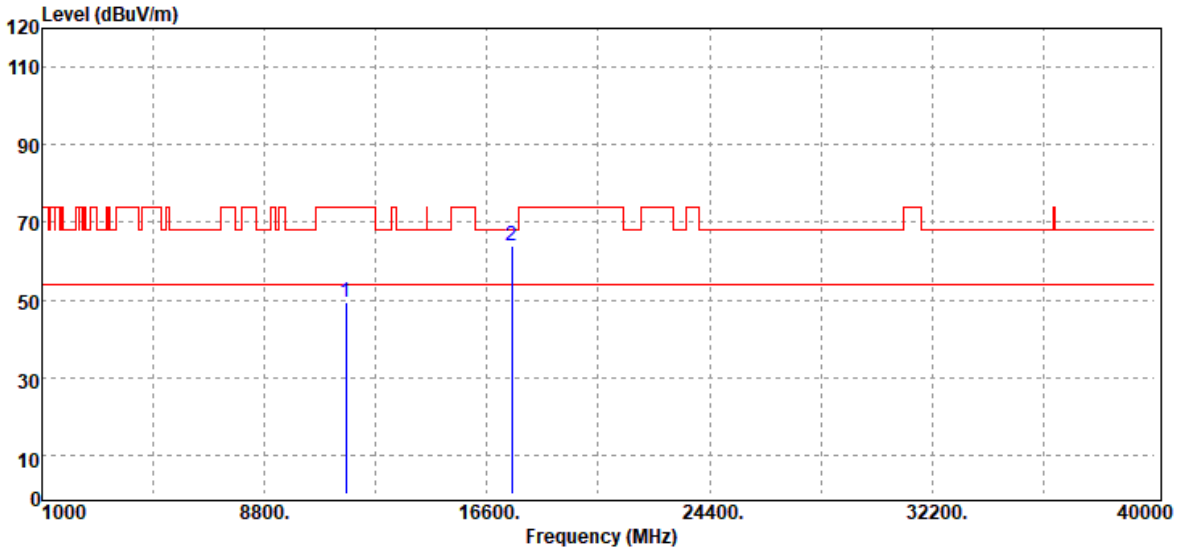
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	30.32	19.04	49.36	74.00	-24.64
17355.00	Peak	30.44	34.47	64.91	68.20	-3.29
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz/ 5825 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



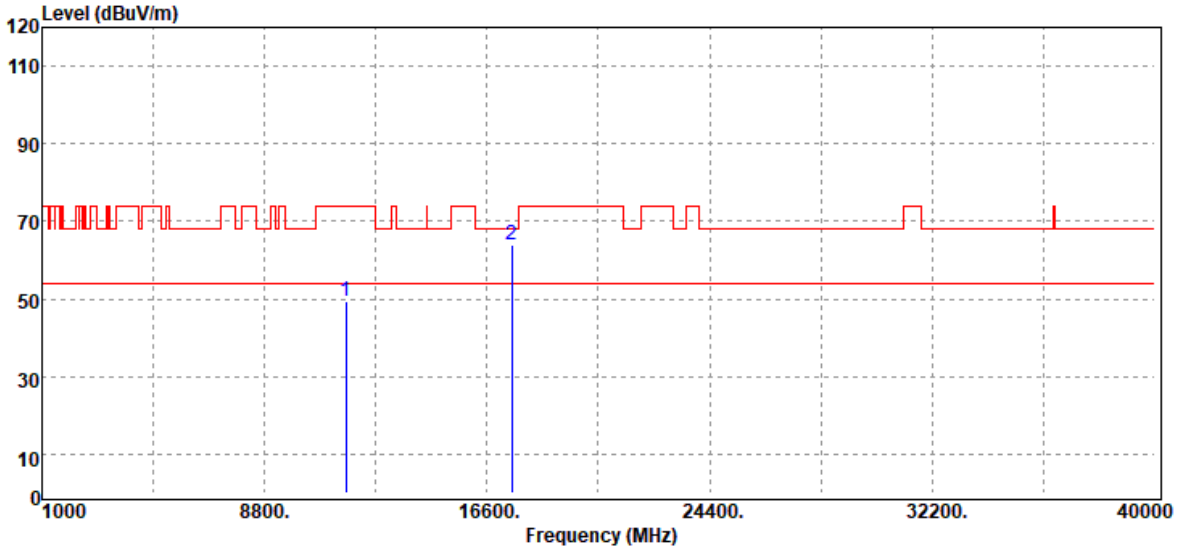
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	30.36	19.14	49.50	74.00	-24.50
17475.00	Peak	29.56	34.30	63.86	68.20	-4.34
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 20 MHz/ 5825 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



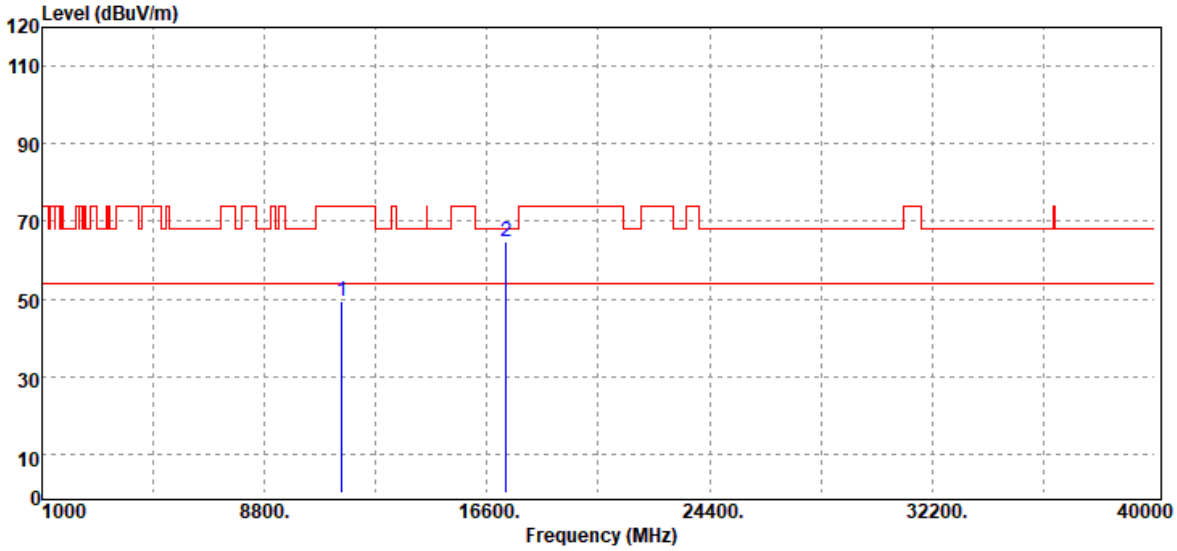
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	30.12	19.14	49.26	74.00	-24.74
17475.00	Peak	29.69	34.30	63.99	68.20	-4.21
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



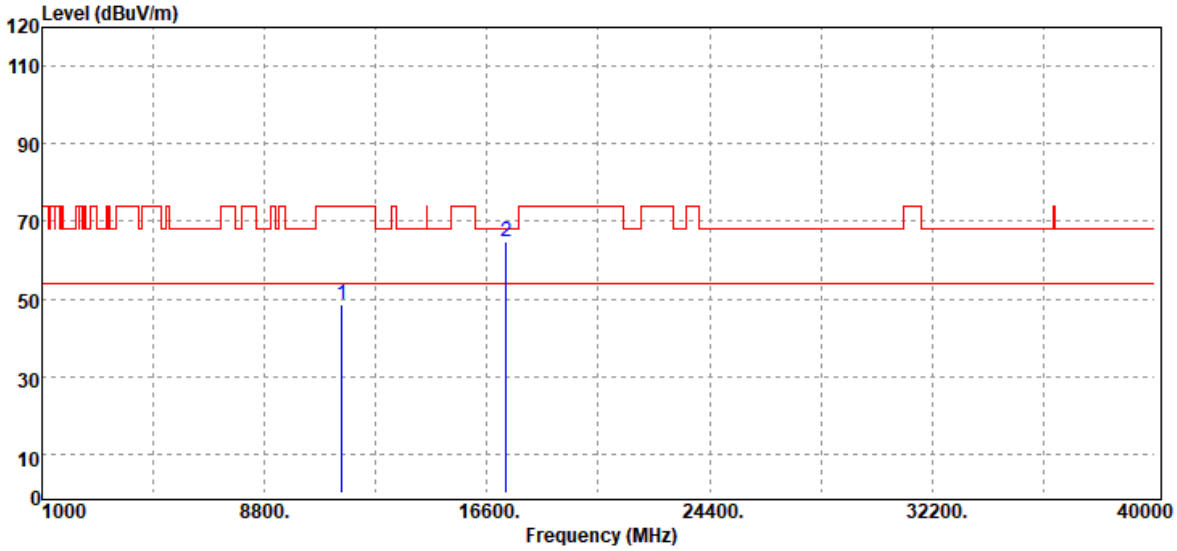
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11510.00	Peak	30.31	19.13	49.44	74.00	-24.56
17265.00	Peak	30.68	33.98	64.66	68.20	-3.54
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



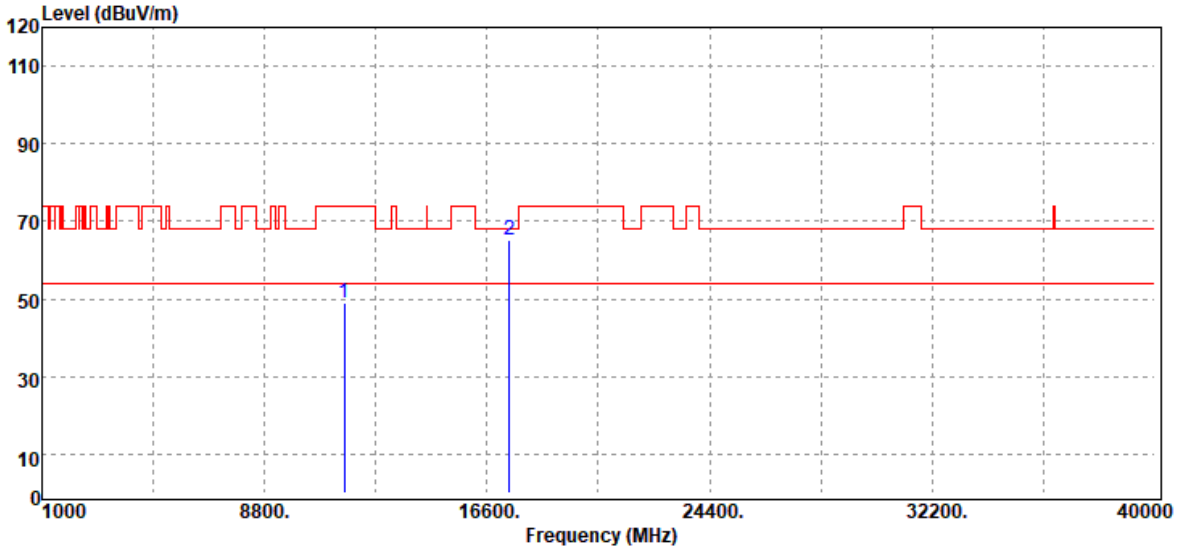
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11510.00	Peak	29.59	19.13	48.72	74.00	-25.28
17265.00	Peak	30.68	33.98	64.66	68.20	-3.54
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



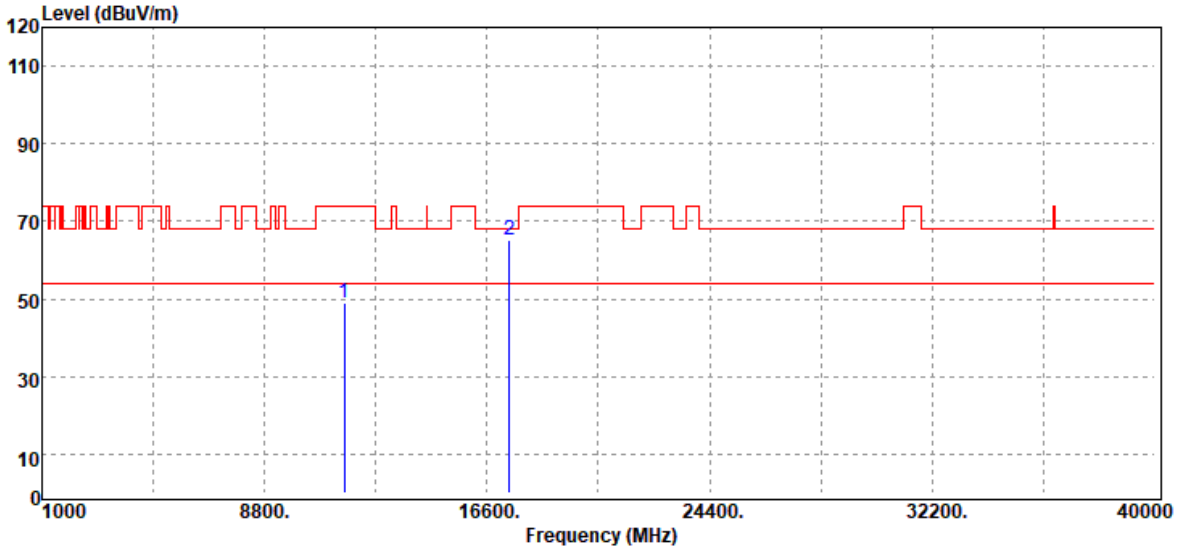
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11590.00	Peak	29.92	19.00	48.92	74.00	-25.08
17385.00	Peak	30.63	34.60	65.23	68.20	-2.97
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Report No.: T210415W07-RP4

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	23.1(℃)/ 41%RH
Test Item	Harmonic	Test Date	June 29, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11590.00	Peak	29.93	19.00	48.93	74.00	-25.07
17385.00	Peak	30.73	34.60	65.33	68.20	-2.87
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

- End of Test Report -