Report No.: TMWK2108000371KR

UNII-3 IEEE 802.11n HT40 mode- chain 0	
Low CH	**High CH**
UNII-3 IEEE 802.11n HT40 mode- chain 1	
Low CH	**High CH**

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UNII-3 IEEE 802.11ac VHT80 mode- chain 0	
Low CH	
UNII-3 IEEE 802.11ac VHT80 mode- chain 1	
Low CH	

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4.5 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.5.1 Test Limit

According to §15.407, §15.209 and §15.205,
According to RSS-247 section 6.2.1.2, section 6.2.4.2, section 6.2.2.2 and section 6.2.3.2

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.

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

Frequency	Magnetic field strength (H-Field) (μA/m)	Measurement Distance (m)
9-490 kHz Note	6.37/F (F in kHz)	300
490-1,705 kHz	63.7/F (F in kHz)	30
1.705-30 MHz	0.08	30

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

UNII-1 :

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

UNII-2a and 2c :

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

UNII-3:

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

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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 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.

6. Data result

Actual FS=Spectrum Reading Level + Factor

Margin=Actual FS- Limit

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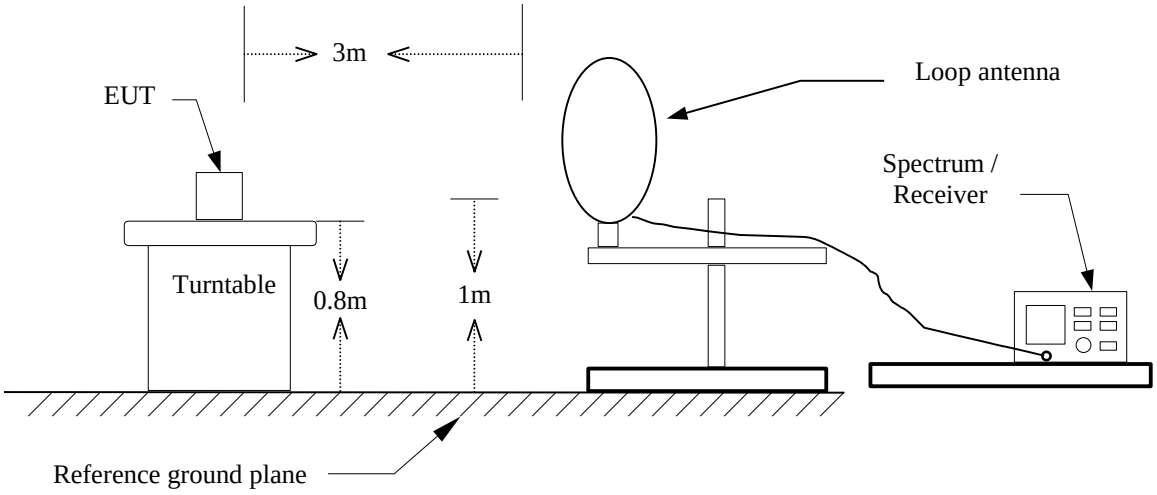
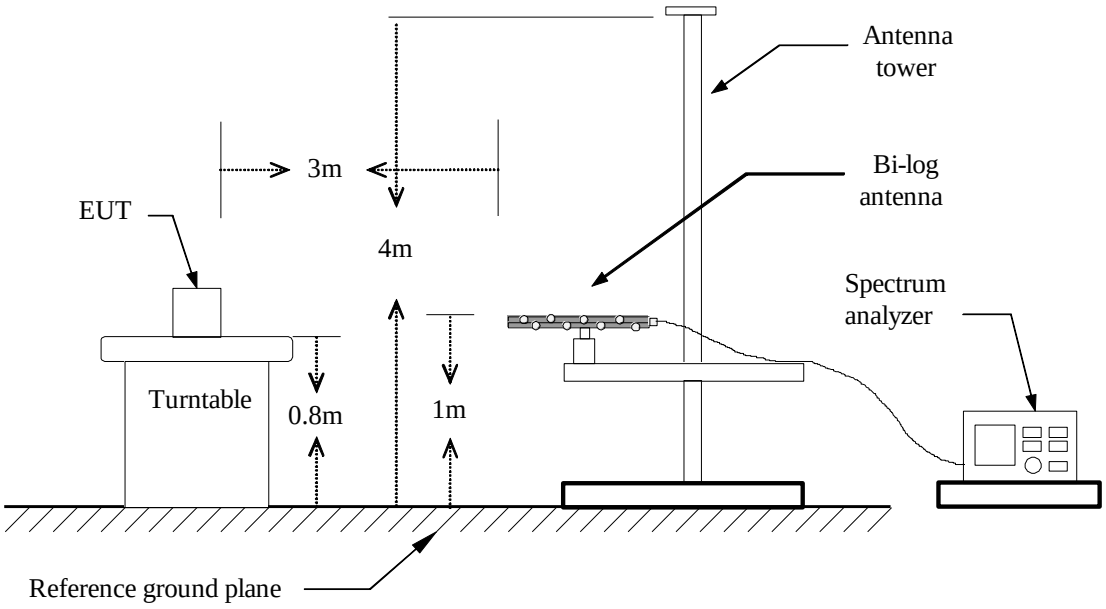
4.5.3 Test Setup

9kHz ~ 30MHz



30MHz ~ 1GHz



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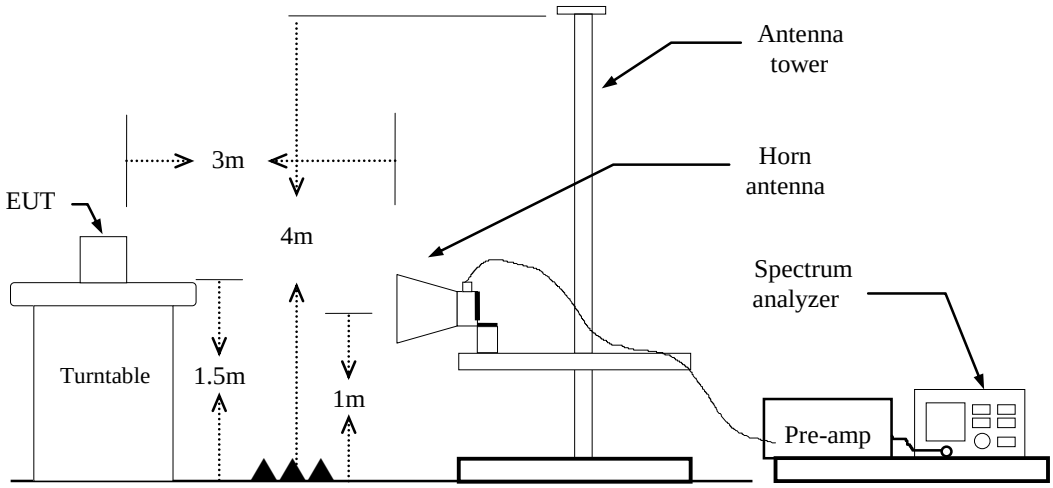
Above 1 GHz



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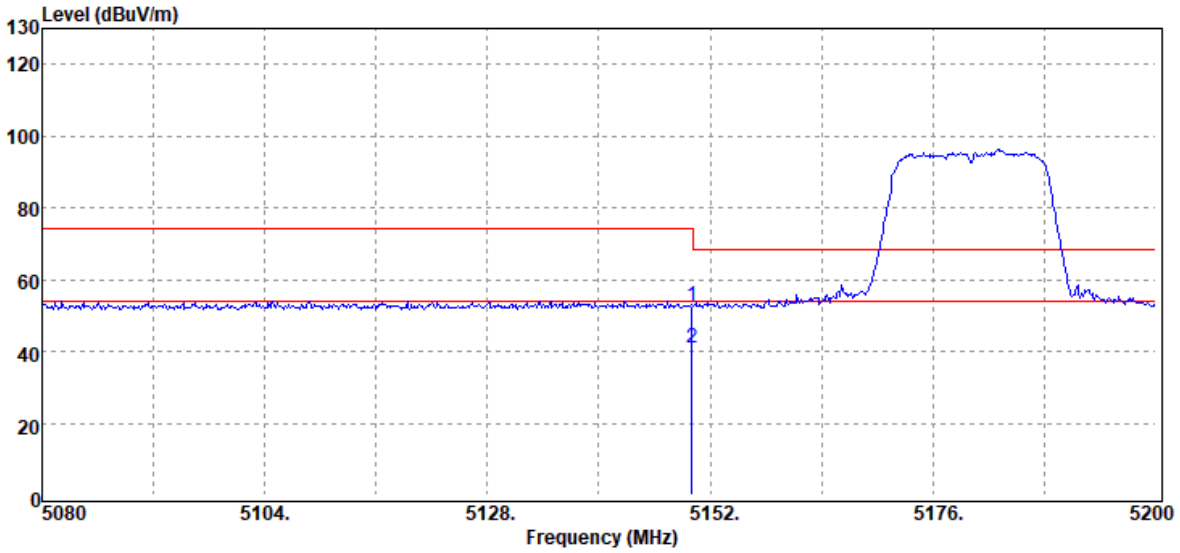
4.5.4 Test Result

Band Edge Test Data

Test Data for UNII-1

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	45.20	7.62	52.82	74.00	-21.18
5150.00	Average	33.15	7.62	40.77	54.00	-13.23

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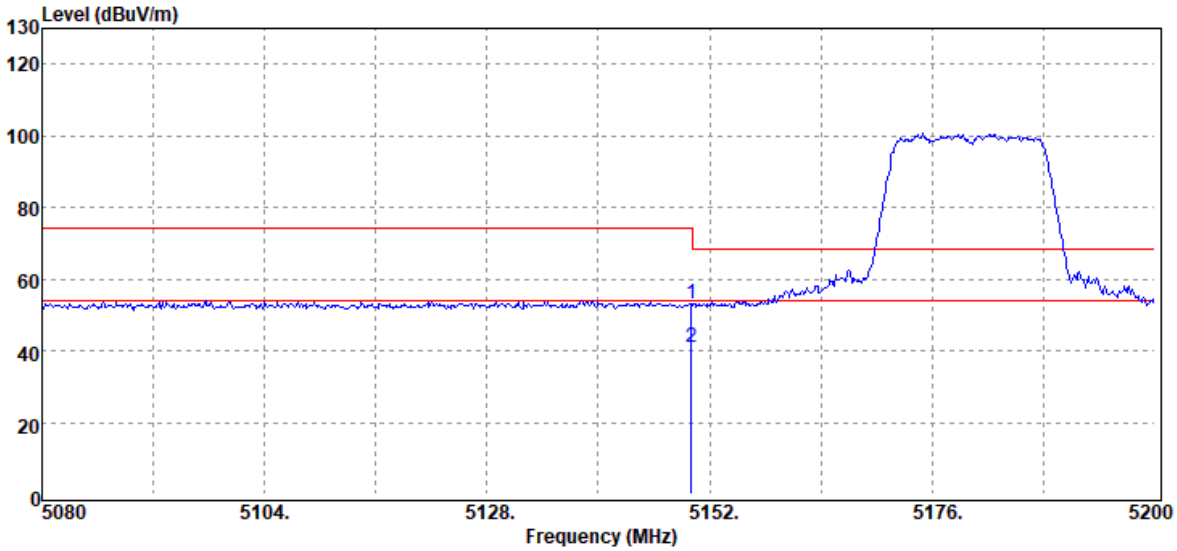
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	45.41	7.62	53.03	74.00	-20.97
5150.00	Average	33.21	7.62	40.83	54.00	-13.17

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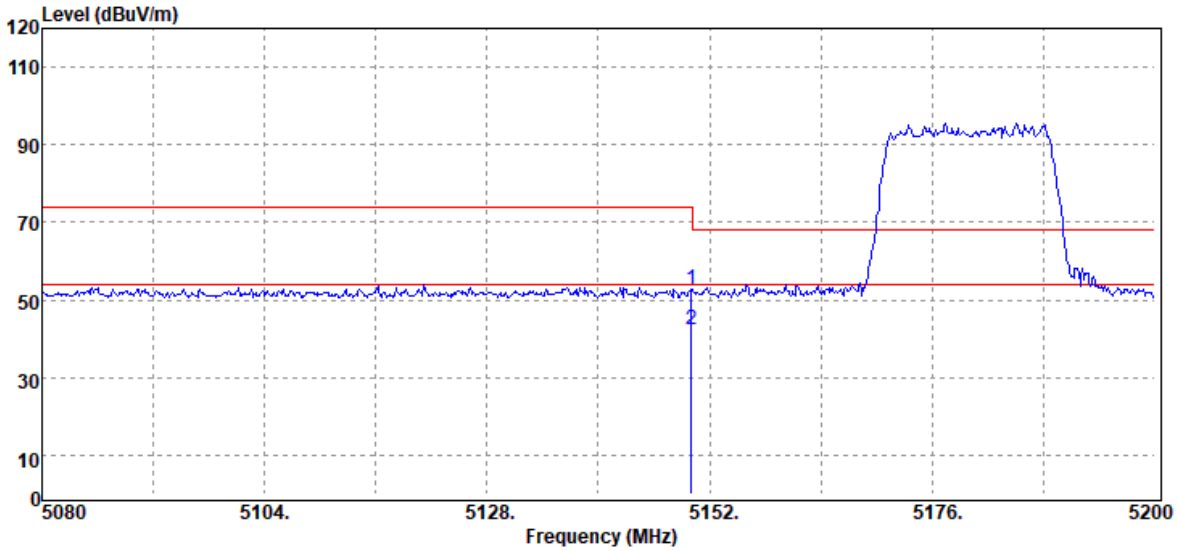
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5180MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	44.94	7.62	52.56	74.00	-21.44
5150.00	Average	34.68	7.62	42.30	54.00	-11.70

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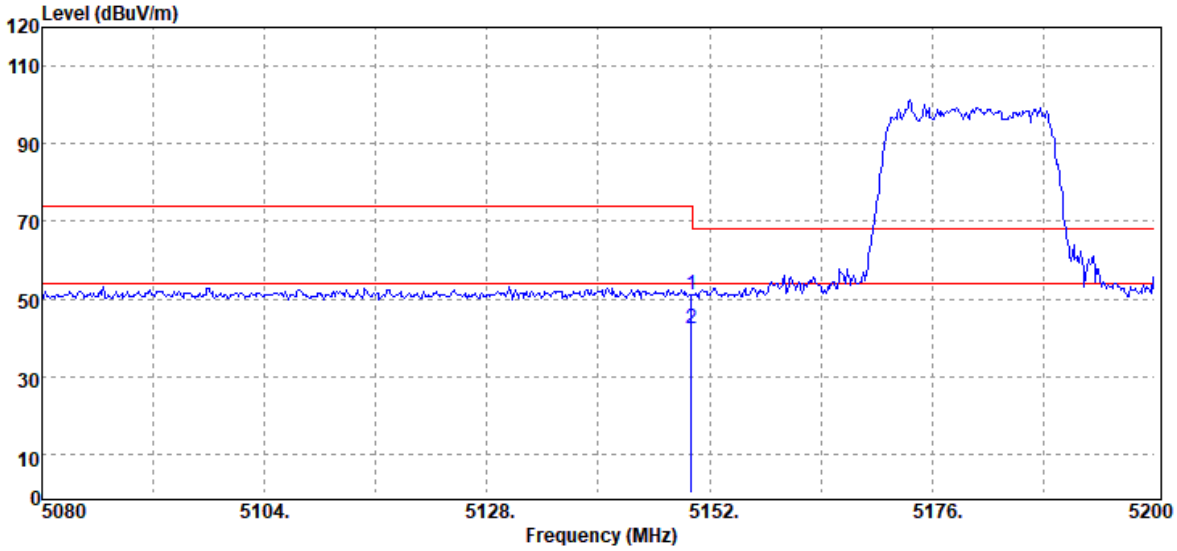
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5180MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	43.40	7.62	51.02	74.00	-22.98
5150.00	Average	34.68	7.62	42.30	54.00	-11.70

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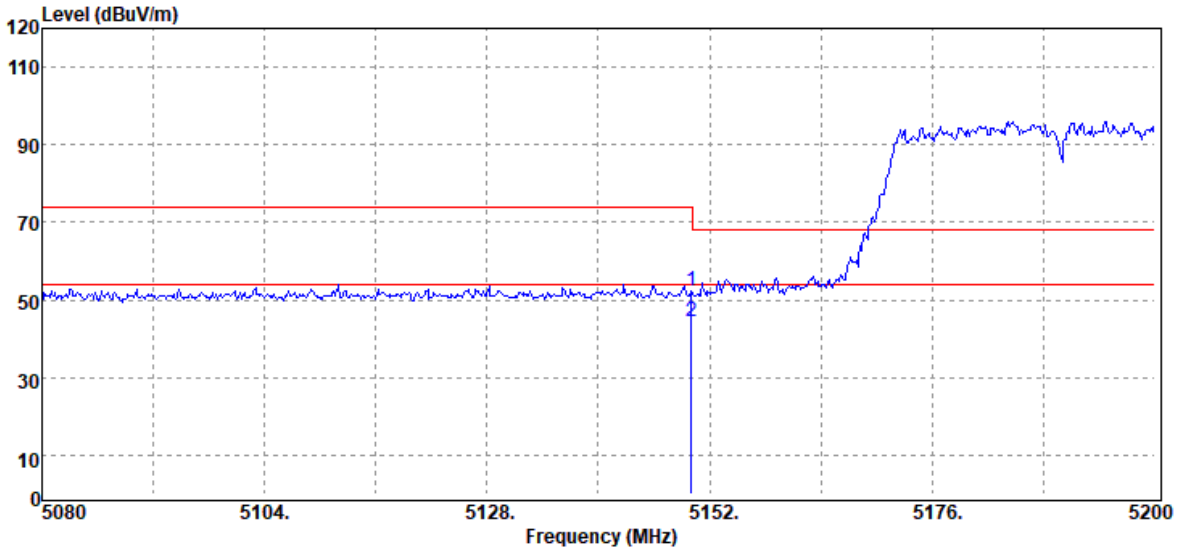
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	44.57	7.62	52.19	74.00	-21.81
5150.00	Average	36.88	7.62	44.50	54.00	-9.50

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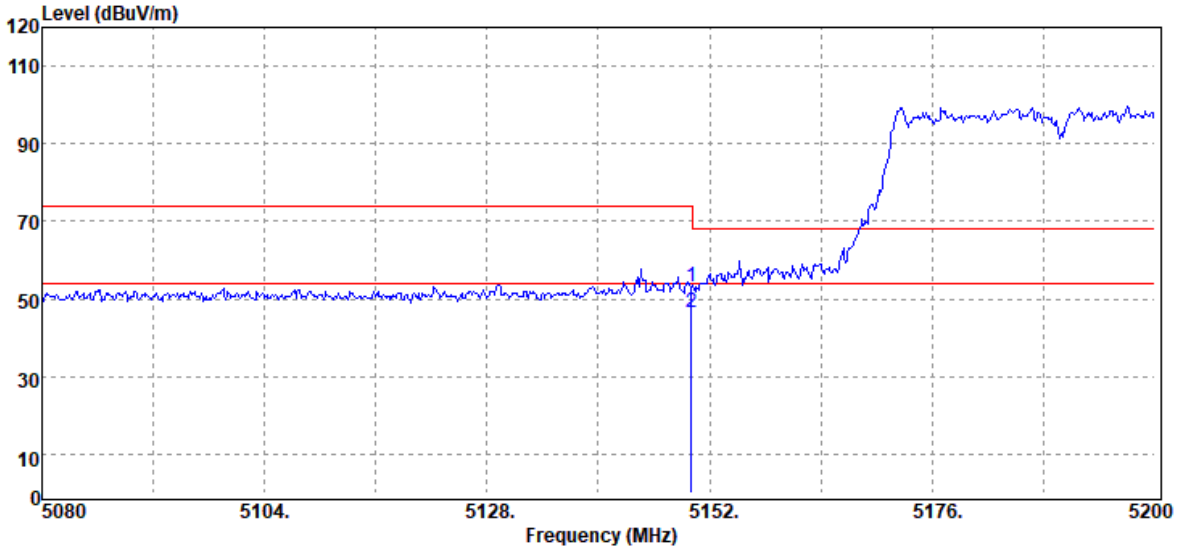
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	45.62	7.62	53.24	74.00	-20.76
5150.00	Average	38.97	7.62	46.59	54.00	-7.41

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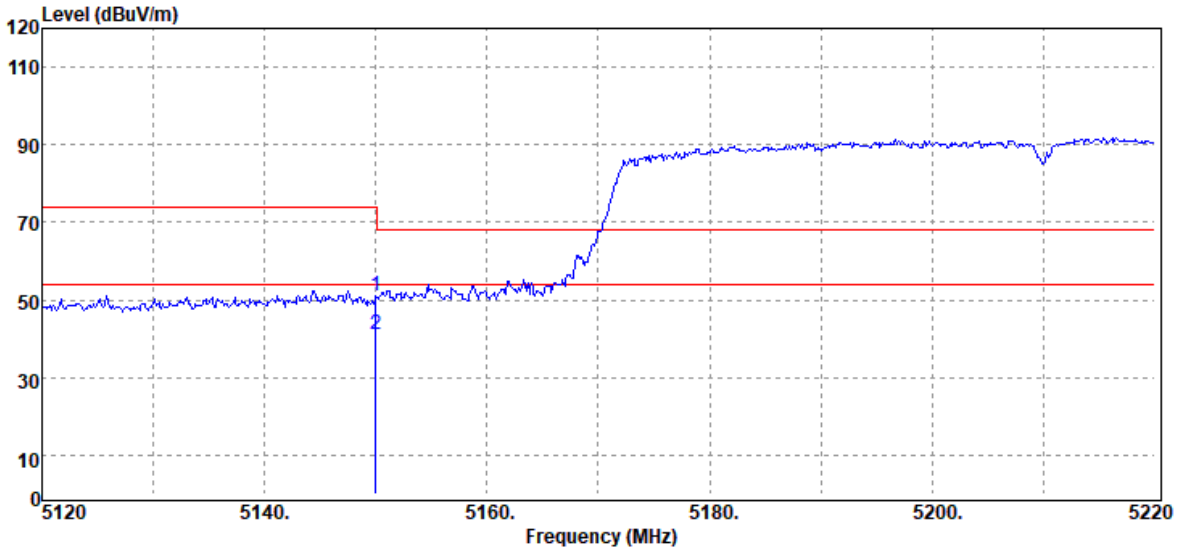
Report No.: TMWK2108000371KR

Test Mode	I EEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	43.36	7.62	50.98	74.00	-23.02
5150.00	Average	33.52	7.62	41.14	54.00	-12.86

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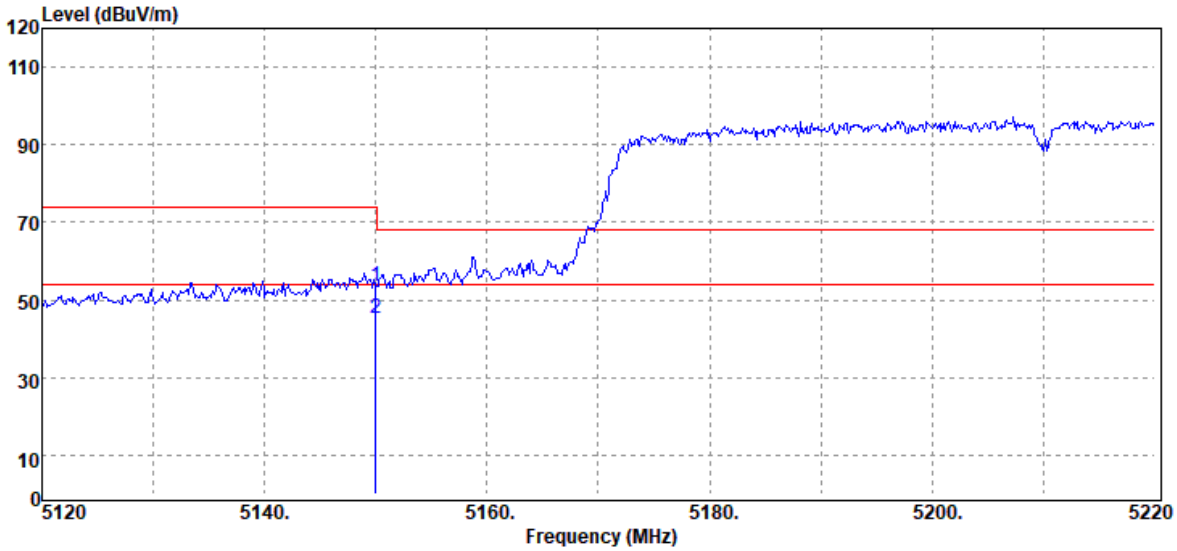
Test Mode	I EEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	46.15	7.62	53.77	74.00	-20.23
5150.00	Average	37.83	7.62	45.45	54.00	-8.55

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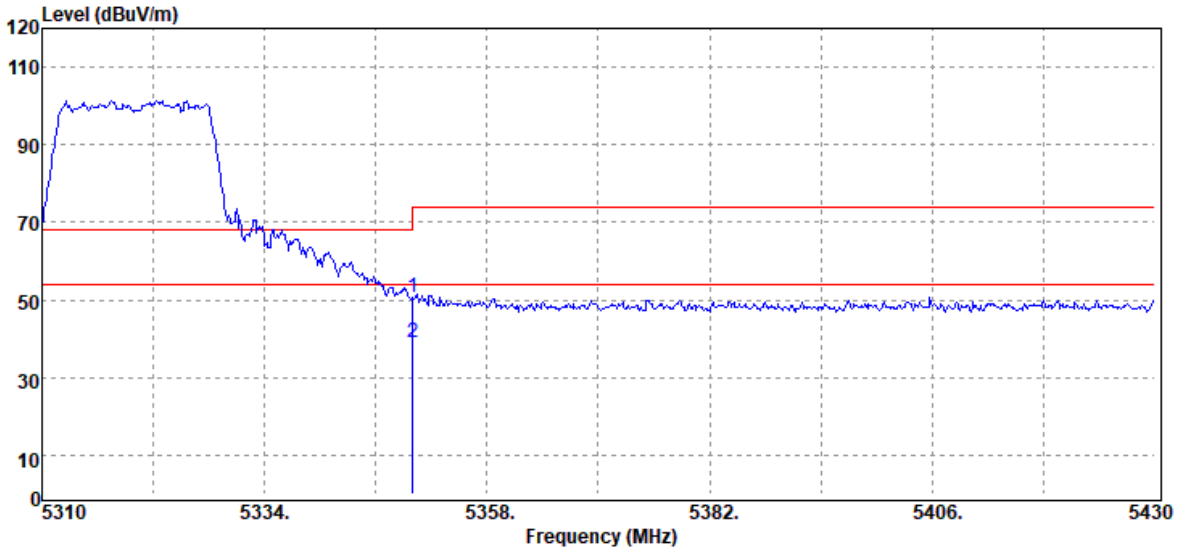
Test Data for UNII-2a

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	42.63	7.85	50.48	74.00	-23.52
5350.00	Average	31.38	7.85	39.23	54.00	-14.77

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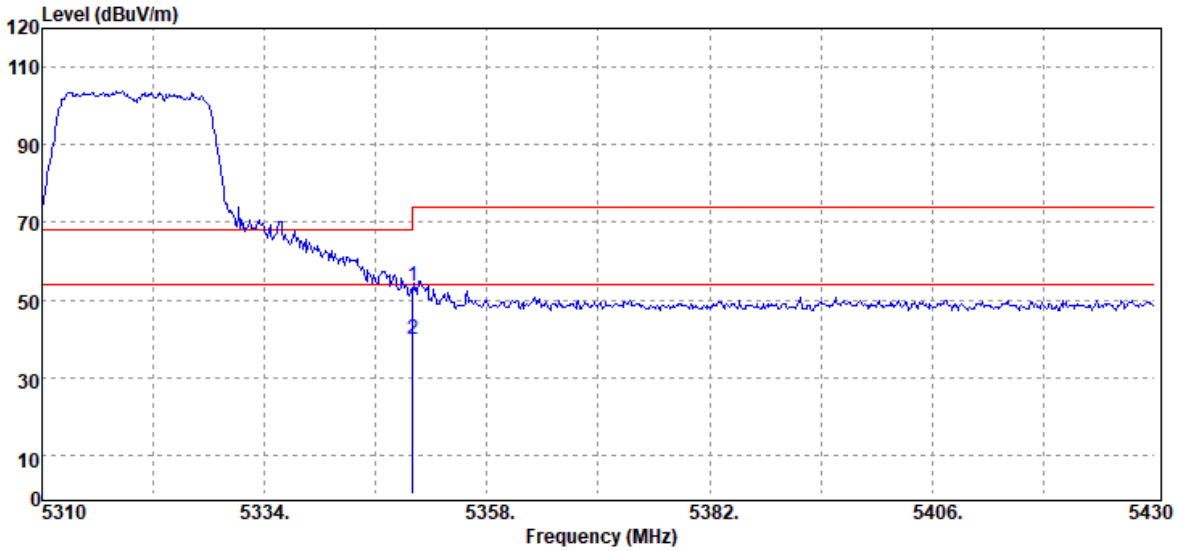
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	45.87	7.85	53.72	74.00	-20.28
5350.00	Average	31.85	7.85	39.70	54.00	-14.30

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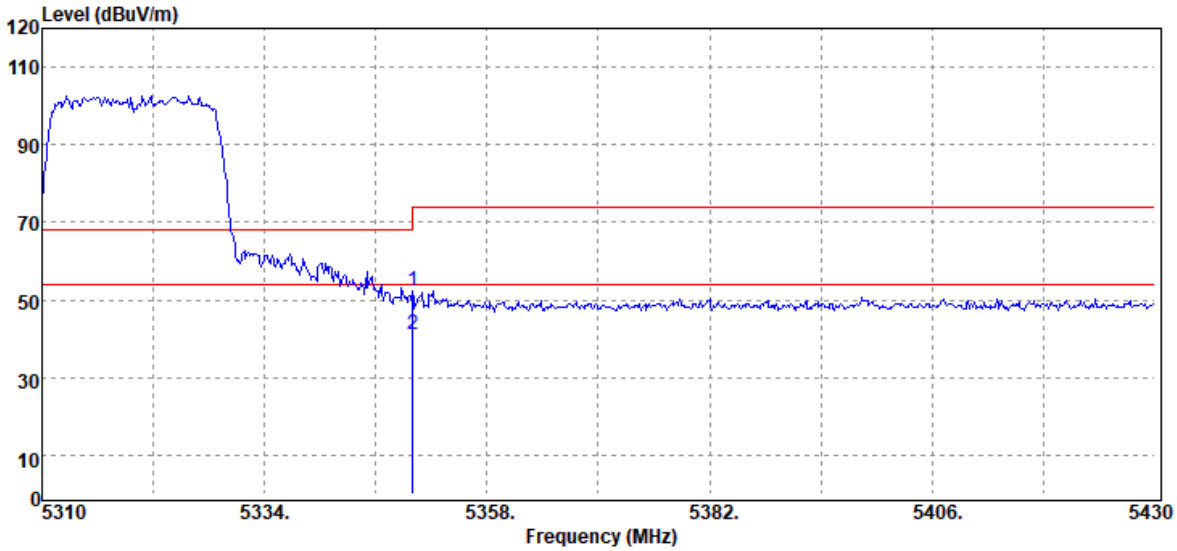
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	44.54	7.85	52.39	74.00	-21.61
5350.00	Average	33.09	7.85	40.94	54.00	-13.06

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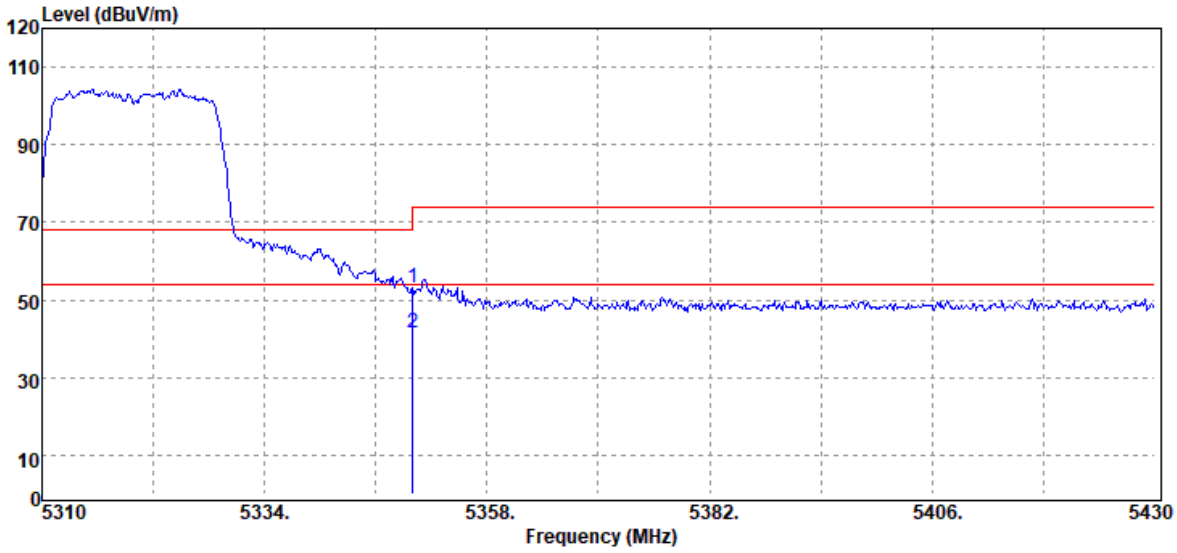
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	45.40	7.85	53.25	74.00	-20.75
5350.00	Average	33.71	7.85	41.56	54.00	-12.44

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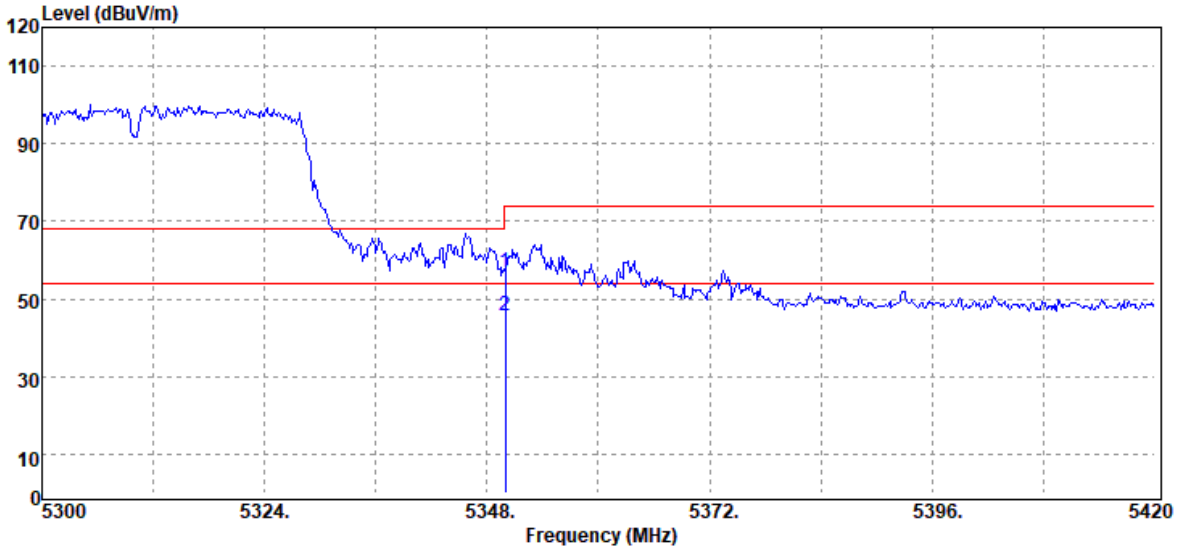
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	48.88	7.85	56.73	74.00	-17.27
5350.00	Average	37.94	7.85	45.79	54.00	-8.21

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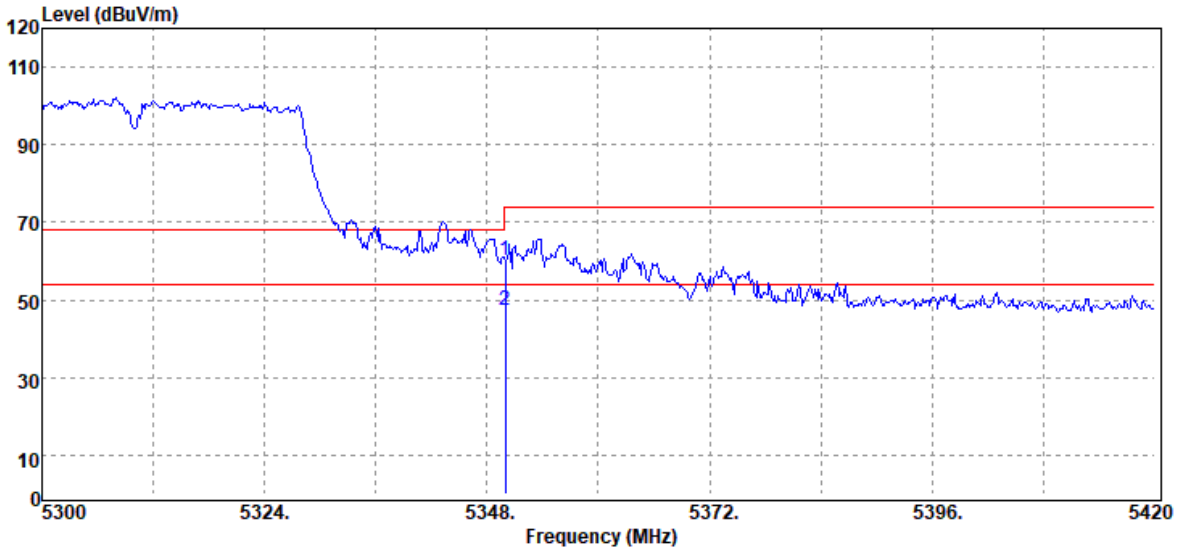
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	52.45	7.85	60.30	74.00	-13.70
5350.00	Average	39.50	7.85	47.35	54.00	-6.65

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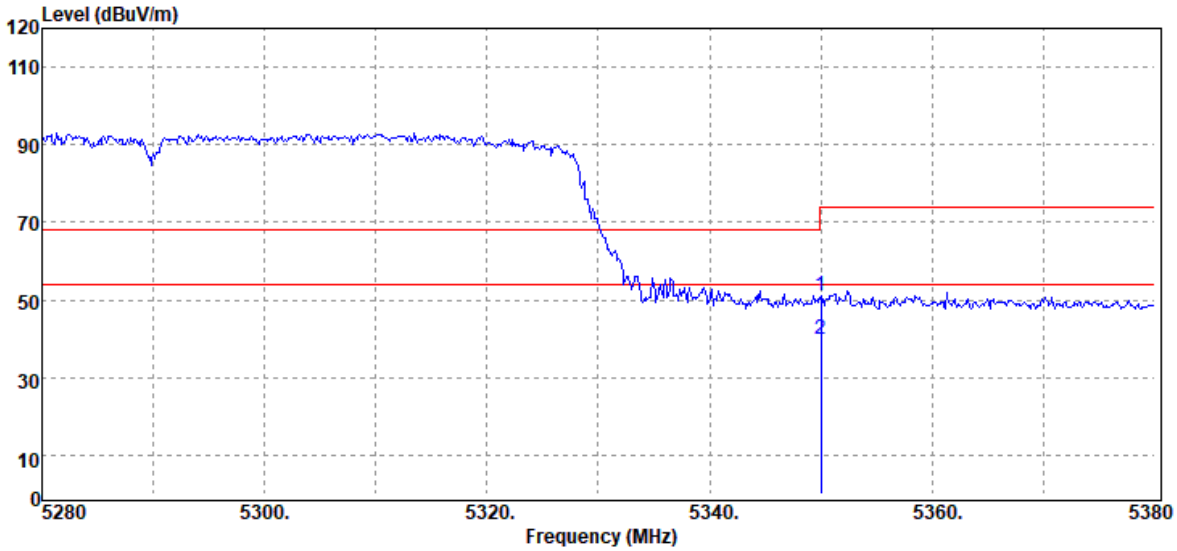
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5290MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	43.08	7.85	50.93	74.00	-23.07
5350.00	Average	32.09	7.85	39.94	54.00	-14.06

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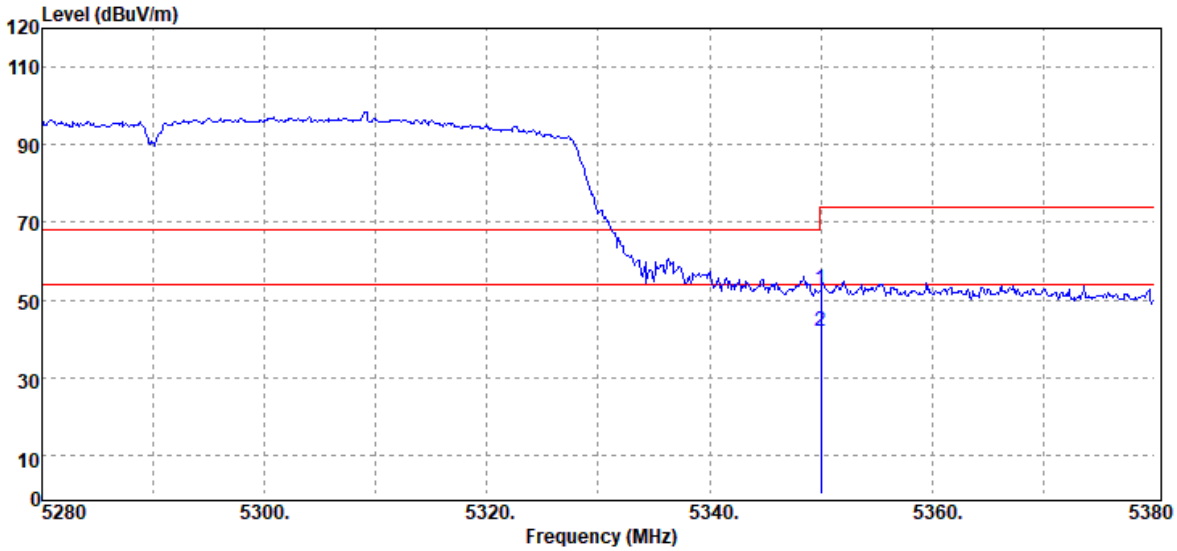
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5290MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	44.75	7.85	52.60	74.00	-21.40
5350.00	Average	34.20	7.85	42.05	54.00	-11.95

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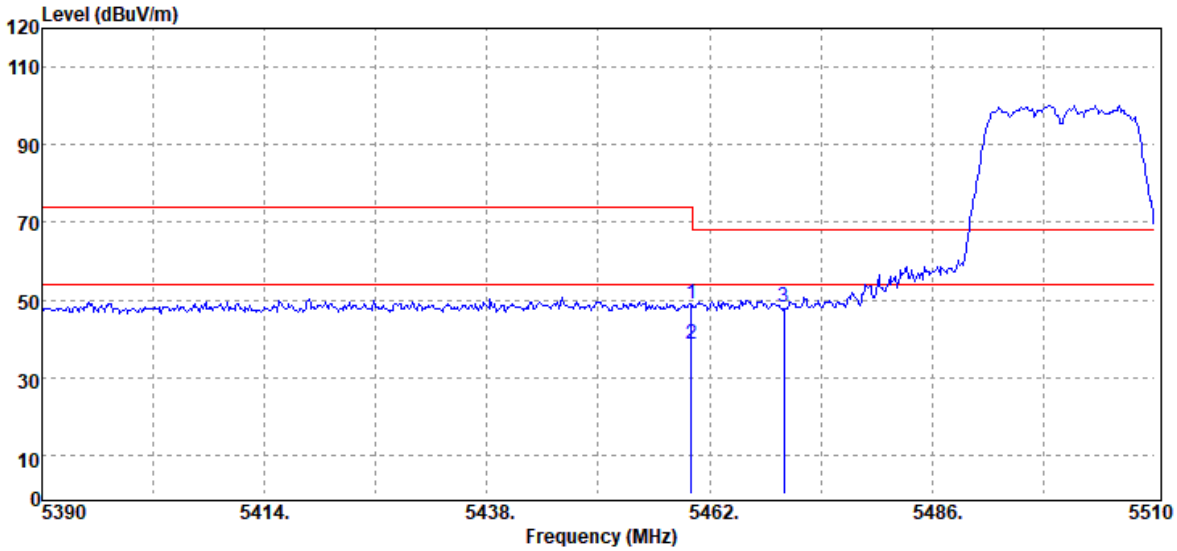
Report No.: TMWK2108000371KR

Test Data for UNII-2c

Test Mode	IEEE 802.11a / 5500MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	40.80	8.08	48.88	74.00	-25.12
5460.00	Average	30.41	8.08	38.49	54.00	-15.51
5470.00	Peak	39.96	8.12	48.08	68.20	-20.12

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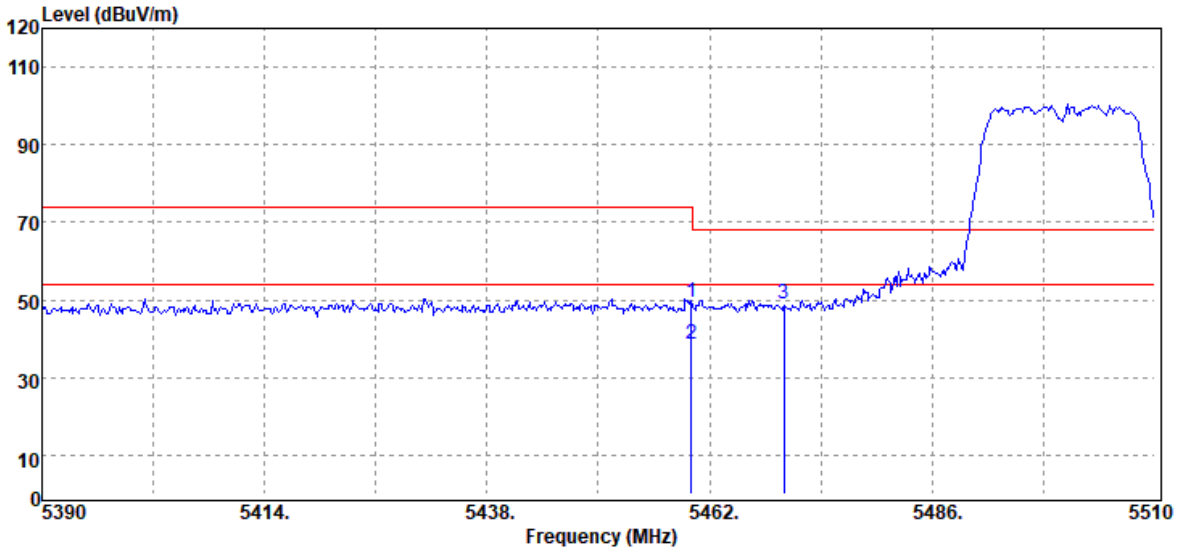
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5500MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	41.37	8.08	49.45	74.00	-24.55
5460.00	Average	30.52	8.08	38.60	54.00	-15.40
5470.00	Peak	40.81	8.12	48.93	68.20	-19.27

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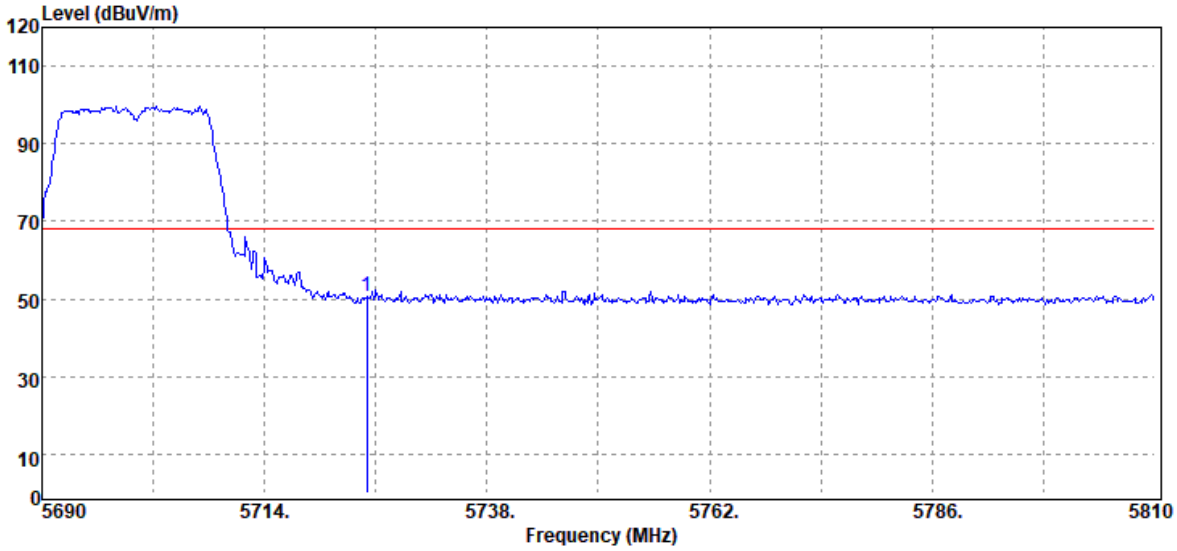
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	41.27	9.29	50.56	68.20	-17.64

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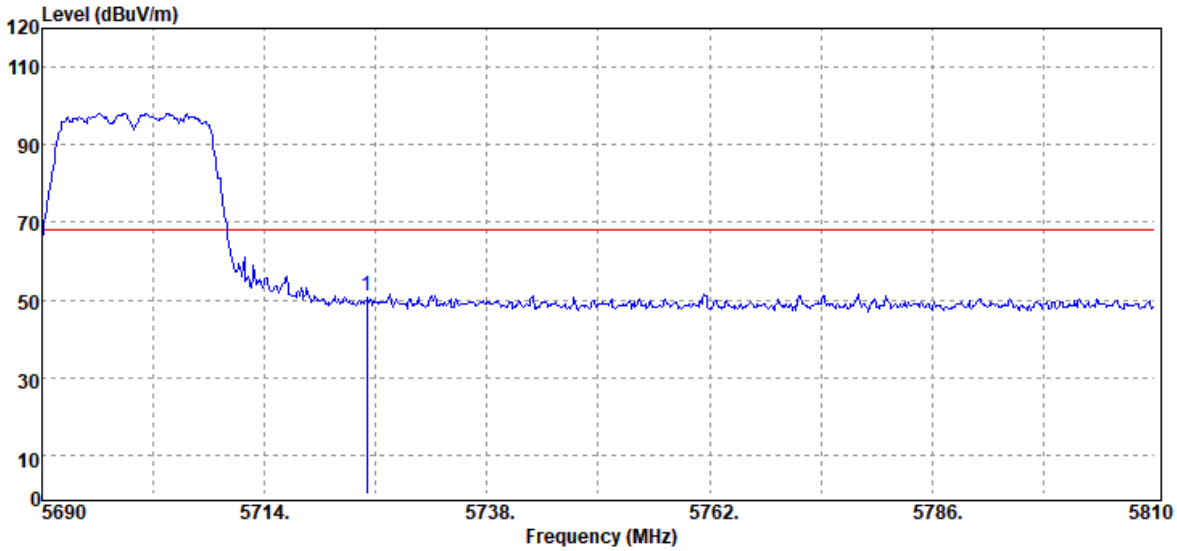
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	41.61	9.29	50.90	68.20	-17.30

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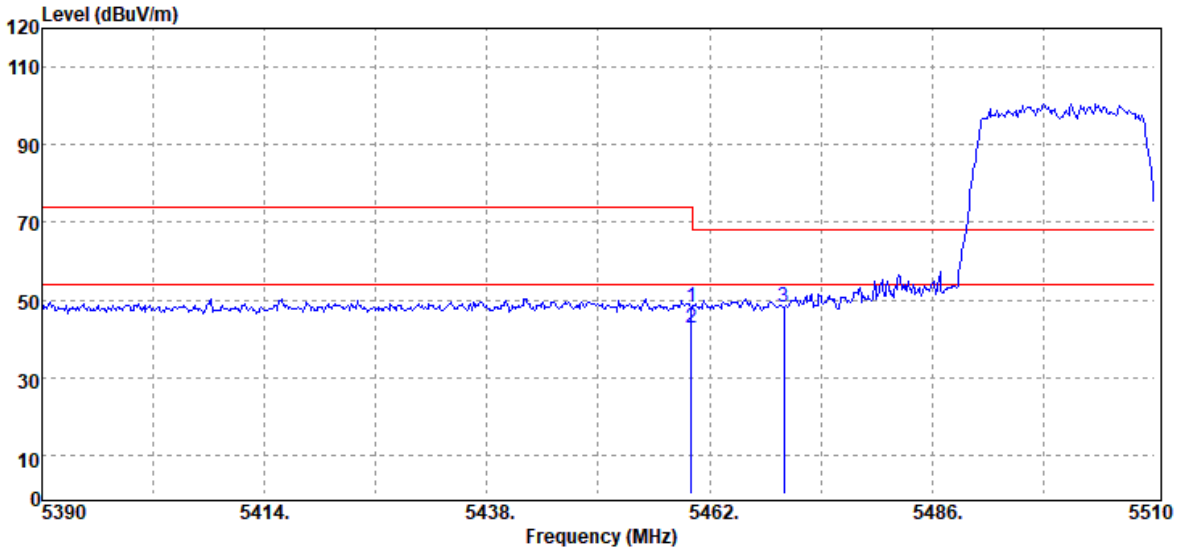
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	40.00	8.08	48.08	74.00	-25.92
5460.00	Average	34.56	8.08	42.64	54.00	-11.36
5470.00	Peak	39.97	8.12	48.09	68.20	-20.11

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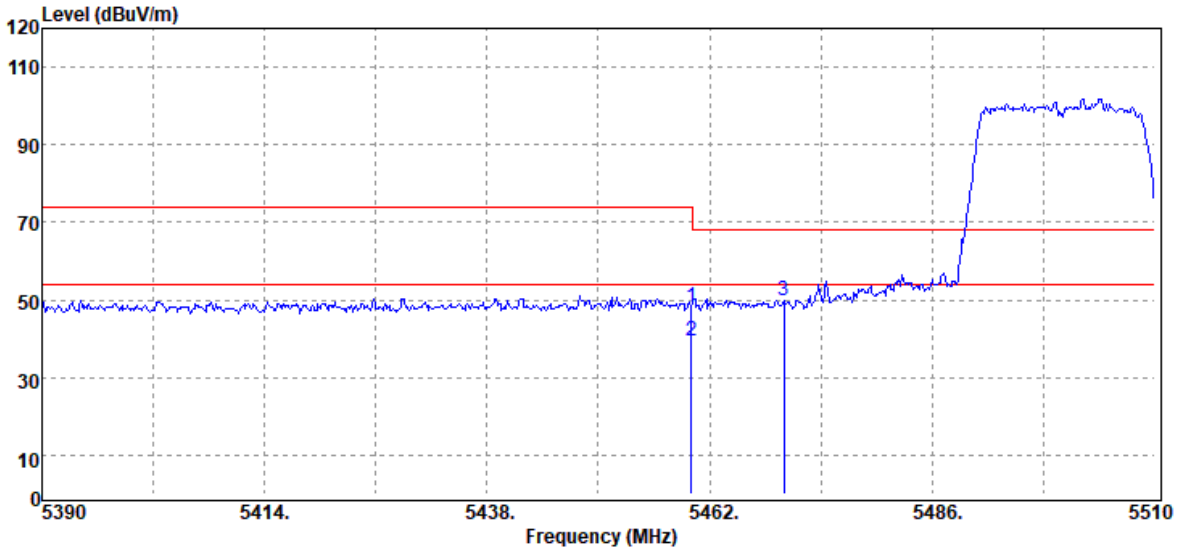
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	40.05	8.08	48.13	74.00	-25.87
5460.00	Average	31.44	8.08	39.52	54.00	-14.48
5470.00	Peak	41.53	8.12	49.65	68.20	-18.55

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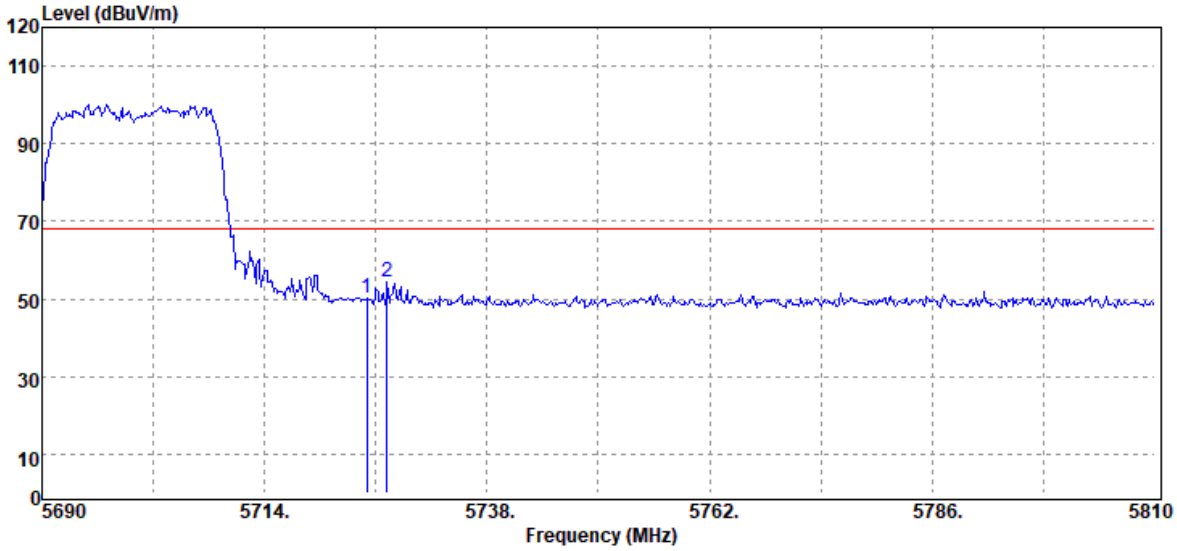
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temperature	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	40.87	9.29	50.16	68.20	-18.04
5727.20	Peak	44.89	9.30	54.19	68.20	-14.01

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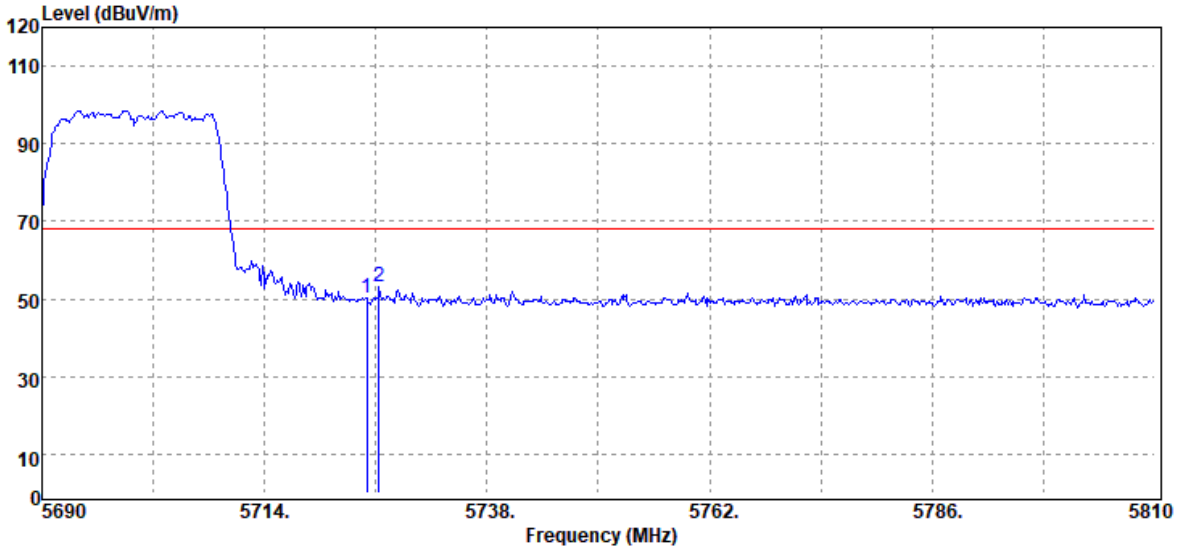
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temperature	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	40.95	9.29	50.24	68.20	-17.96
5726.36	Peak	43.74	9.30	53.04	68.20	-15.16

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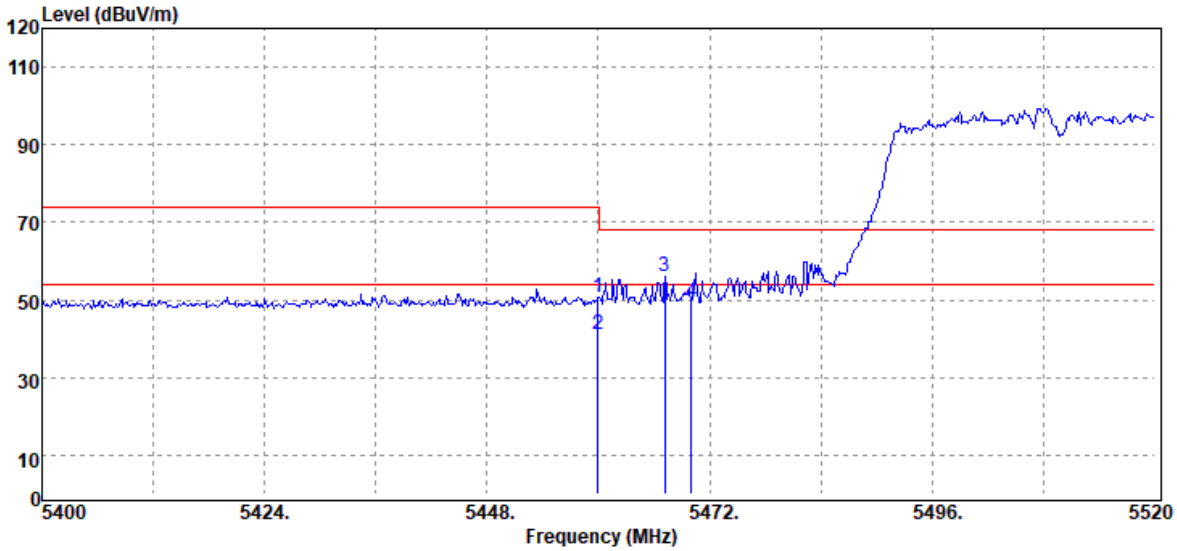
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	42.59	8.08	50.67	74.00	-23.33
5460.00	Average	33.10	8.08	41.18	54.00	-12.82
5467.20	Peak	47.85	8.10	55.95	68.20	-12.25
5470.00	Peak	41.36	8.12	49.48	68.20	-18.72

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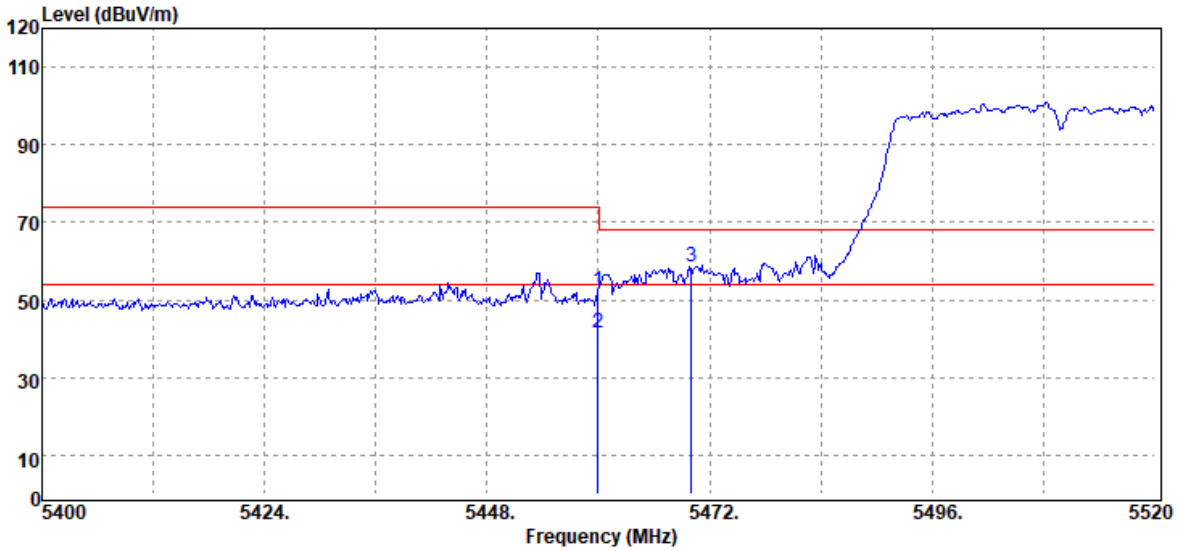
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	44.06	8.08	52.14	74.00	-21.86
5460.00	Average	33.48	8.08	41.56	54.00	-12.44
5470.00	Peak	50.29	8.12	58.41	68.20	-9.79

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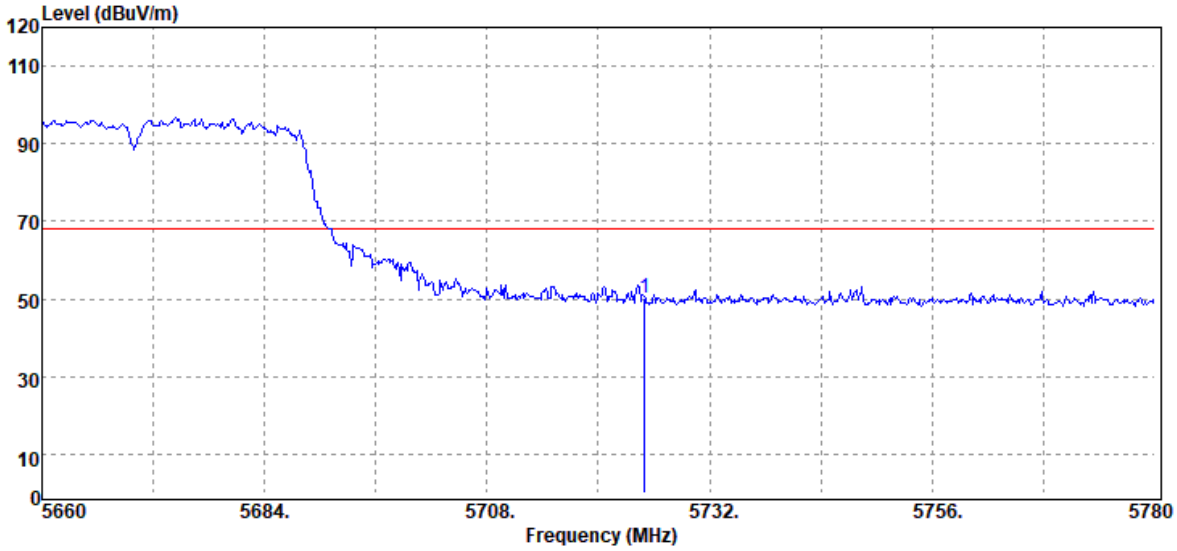
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	40.91	9.29	50.20	68.20	-18.00

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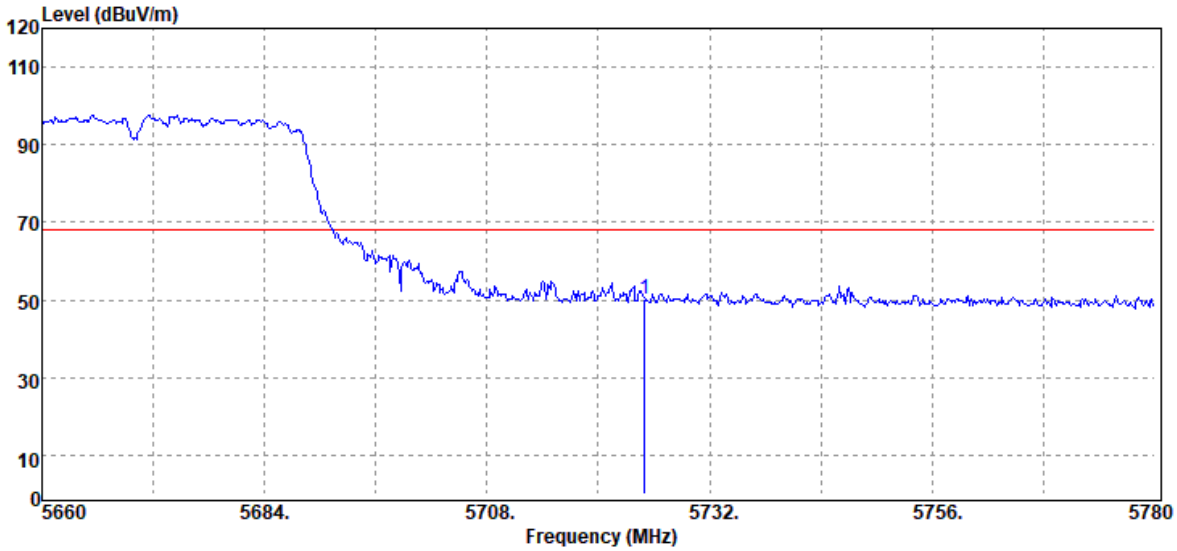
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	40.81	9.29	50.10	68.20	-18.10

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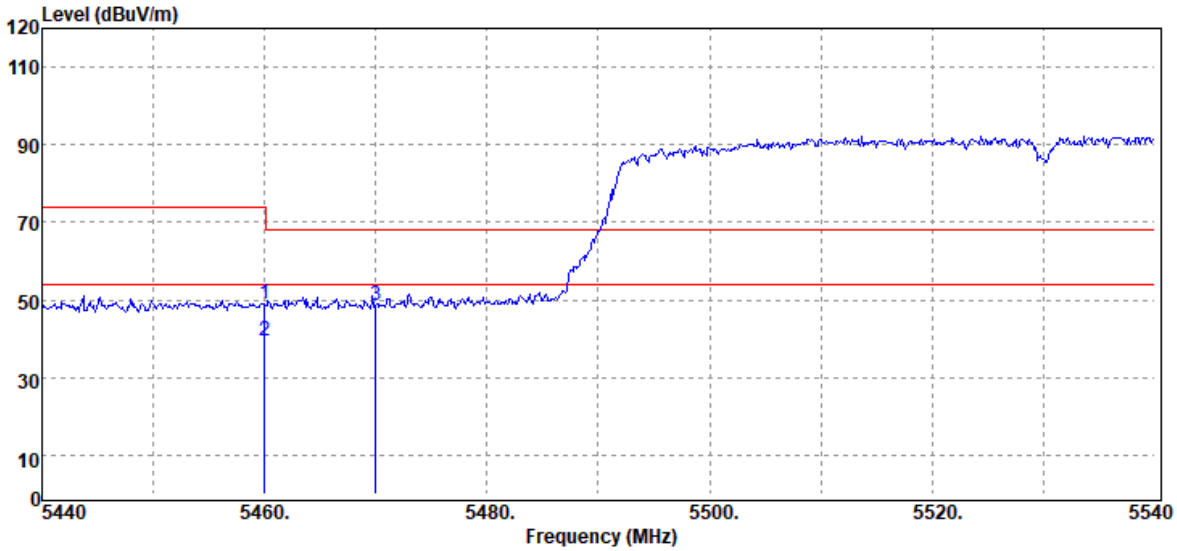
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	40.72	8.08	48.80	74.00	-25.20
5460.00	Average	31.32	8.08	39.40	54.00	-14.60
5470.00	Peak	40.61	8.12	48.73	68.20	-19.47

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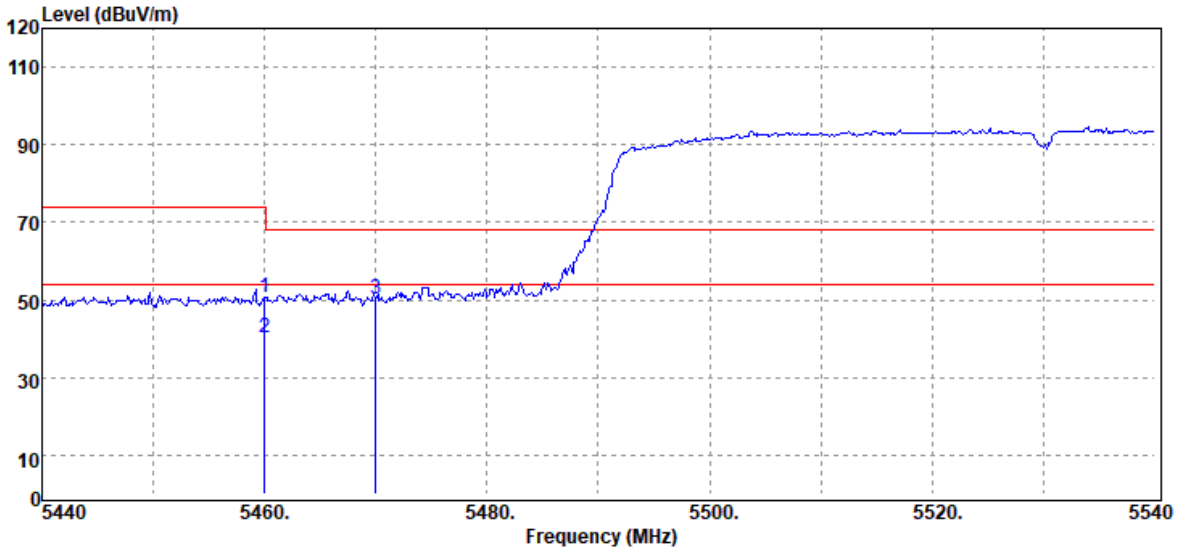
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	42.43	8.08	50.51	74.00	-23.49
5460.00	Average	32.08	8.08	40.16	54.00	-13.84
5470.00	Peak	42.13	8.12	50.25	68.20	-17.95

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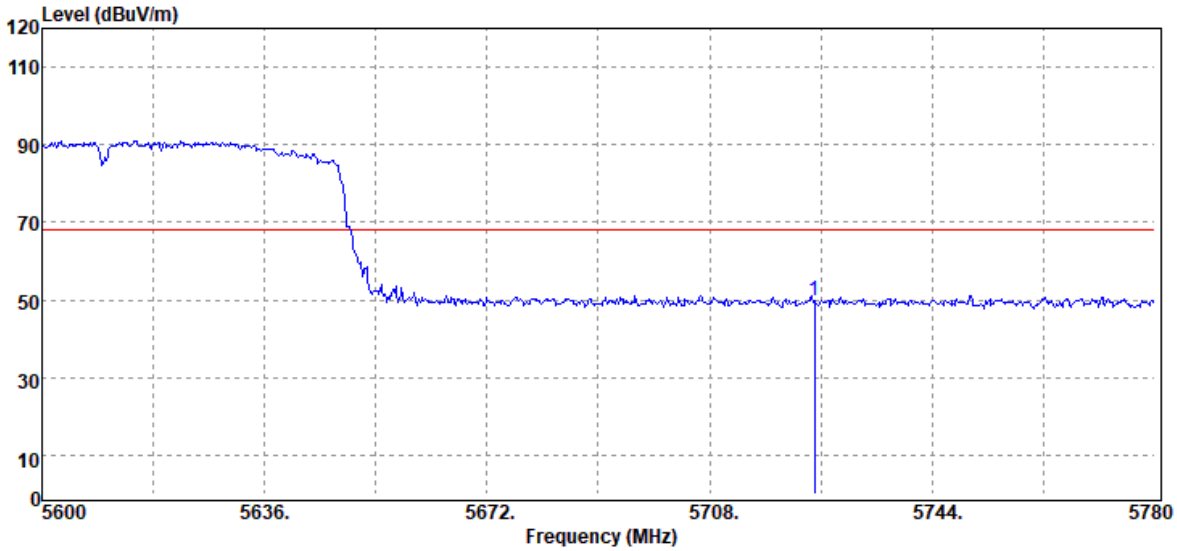
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	40.41	9.29	49.70	68.20	-18.50

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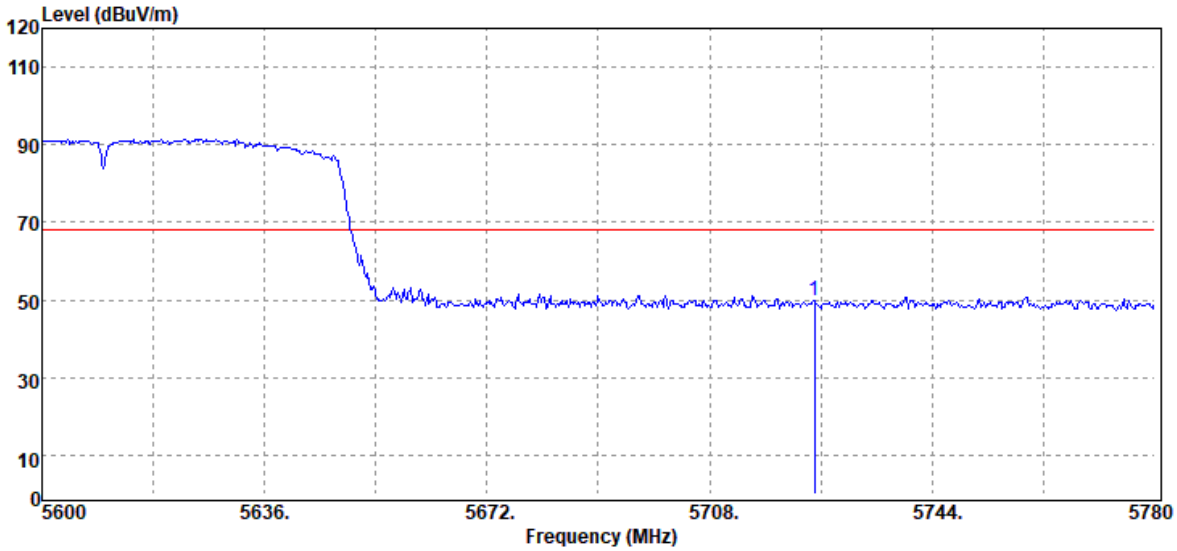
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	40.39	9.29	49.68	68.20	-18.52

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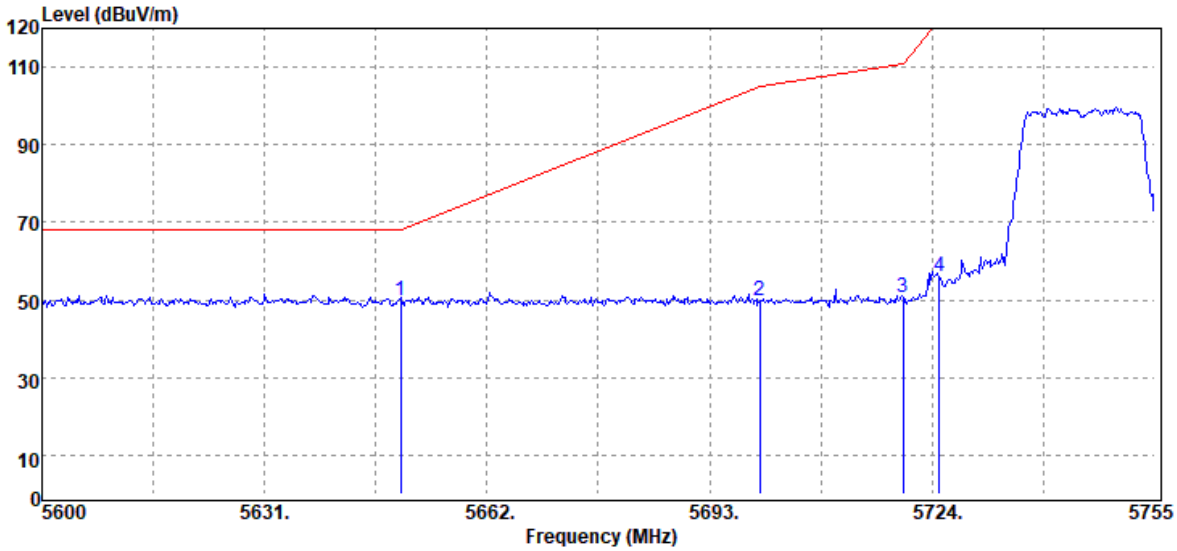
Report No.: TMWK2108000371KR

Test Data for UNII-3

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	41.14	8.87	50.01	68.20	-18.19
5700.00	Peak	40.52	9.22	49.74	105.20	-55.46
5720.00	Peak	41.22	9.29	50.51	110.80	-60.29
5725.00	Peak	46.81	9.29	56.10	122.20	-66.10

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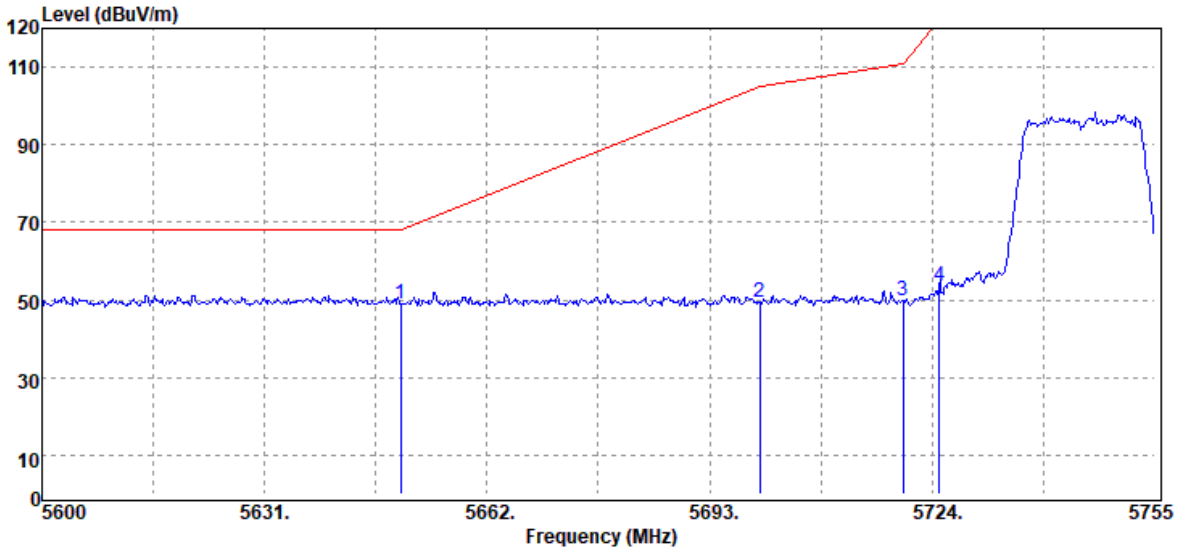
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	40.16	8.87	49.03	68.20	-19.17
5700.00	Peak	40.35	9.22	49.57	105.20	-55.63
5720.00	Peak	40.44	9.29	49.73	110.80	-61.07
5725.00	Peak	44.13	9.29	53.42	122.20	-68.78

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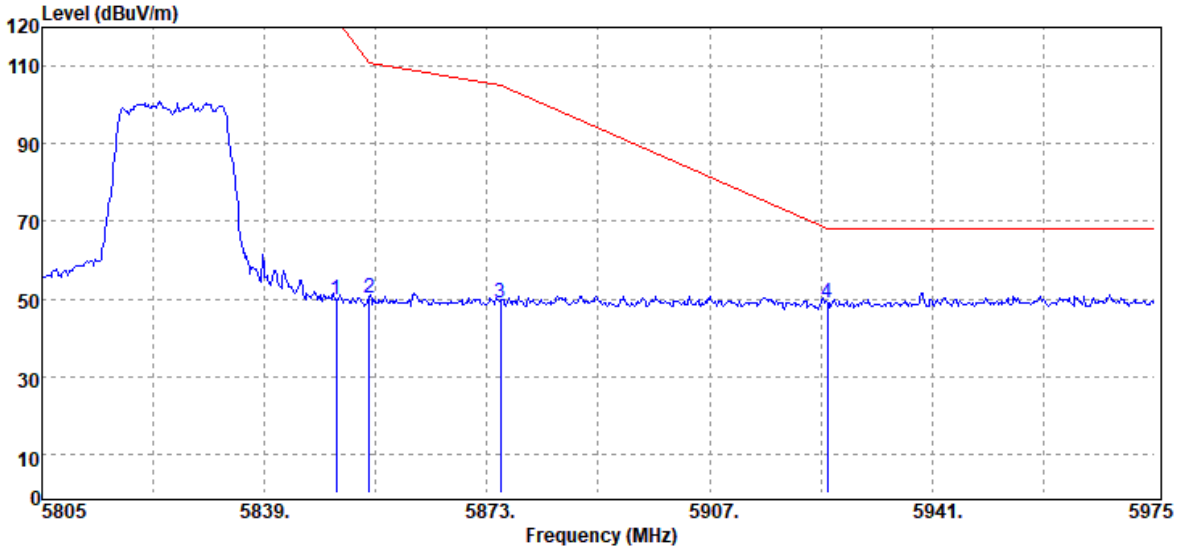
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	40.15	9.59	49.74	122.20	-72.46
5855.00	Peak	40.67	9.59	50.26	110.80	-60.54
5875.00	Peak	39.36	9.57	48.93	105.20	-56.27
5925.00	Peak	39.45	9.59	49.04	68.20	-19.16

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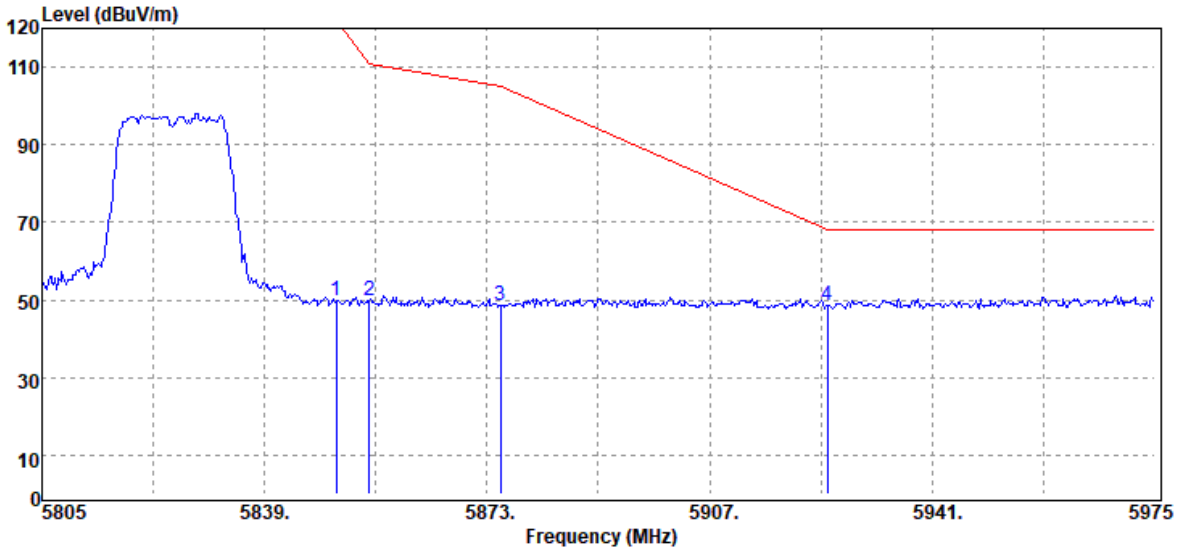
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	40.19	9.59	49.78	122.20	-72.42
5855.00	Peak	40.22	9.59	49.81	110.80	-60.99
5875.00	Peak	38.97	9.57	48.54	105.20	-56.66
5925.00	Peak	38.97	9.59	48.56	68.20	-19.64

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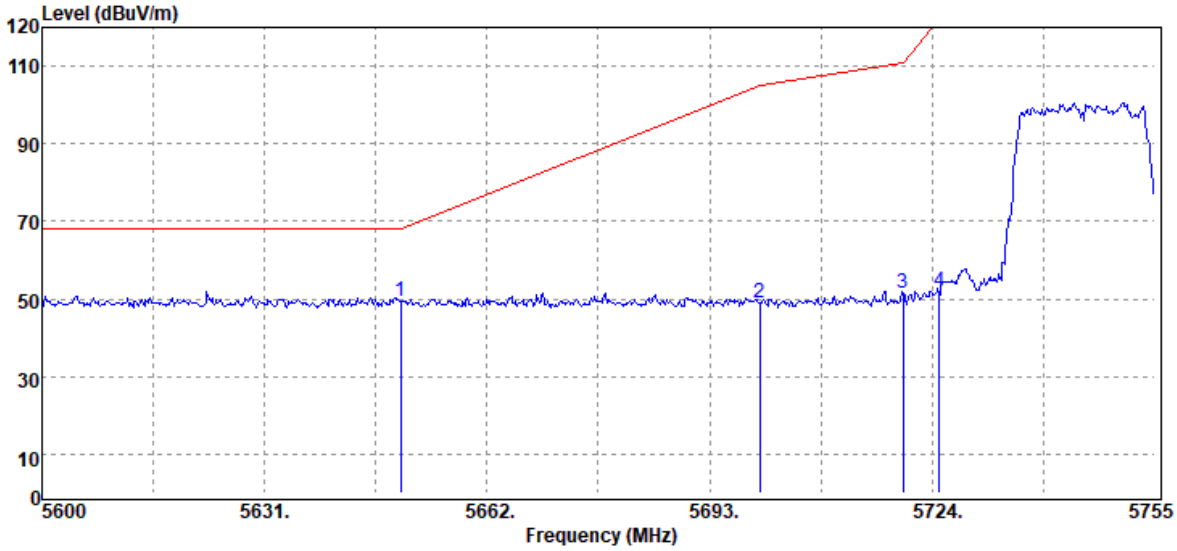
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	40.60	8.87	49.47	68.20	-18.73
5700.00	Peak	39.68	9.22	48.90	105.20	-56.30
5720.00	Peak	42.35	9.29	51.64	110.80	-59.16
5725.00	Peak	42.57	9.29	51.86	122.20	-70.34

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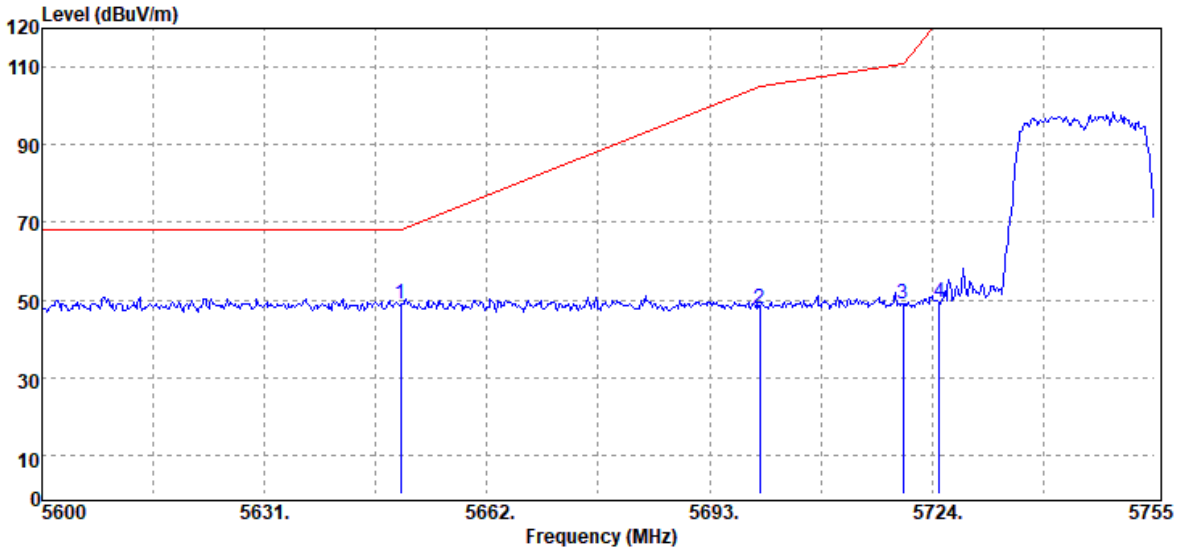
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	40.32	8.87	49.19	68.20	-19.01
5700.00	Peak	38.70	9.22	47.92	105.20	-57.28
5720.00	Peak	39.63	9.29	48.92	110.80	-61.88
5725.00	Peak	40.29	9.29	49.58	122.20	-72.62

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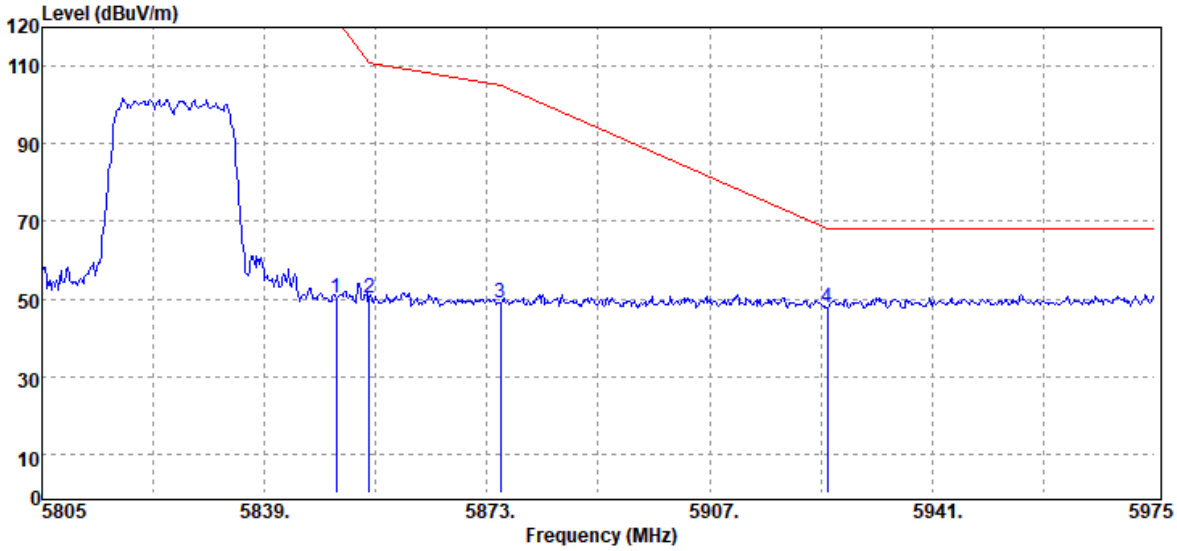
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	40.72	9.59	50.31	122.20	-71.89
5855.00	Peak	40.70	9.59	50.29	110.80	-60.51
5875.00	Peak	39.54	9.57	49.11	105.20	-56.09
5925.00	Peak	38.25	9.59	47.84	68.20	-20.36

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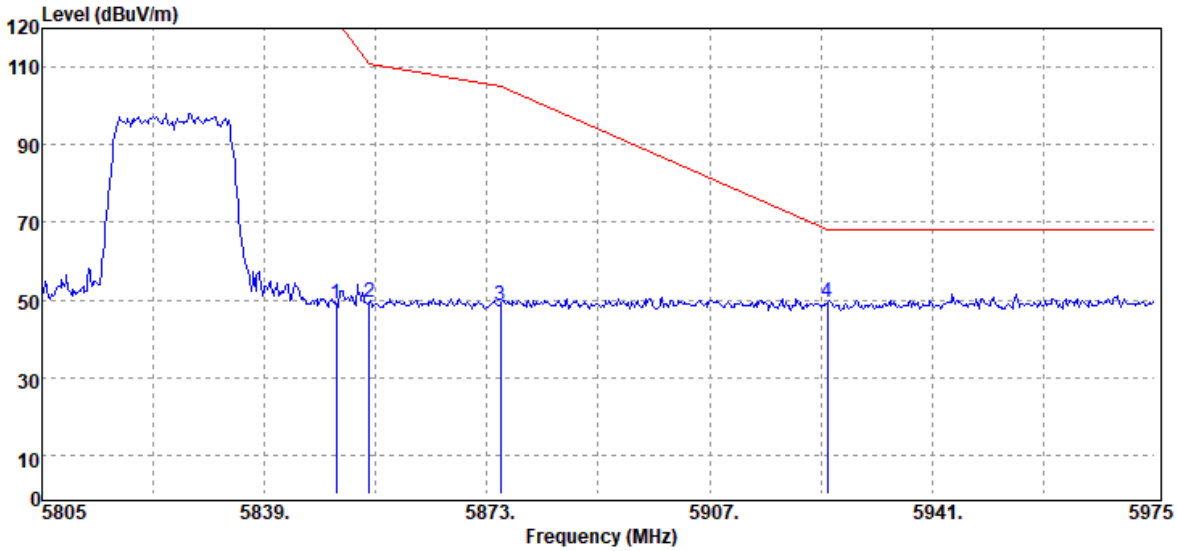
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	39.24	9.59	48.83	122.20	-73.37
5855.00	Peak	39.75	9.59	49.34	110.80	-61.46
5875.00	Peak	38.89	9.57	48.46	105.20	-56.74
5925.00	Peak	39.81	9.59	49.40	68.20	-18.80

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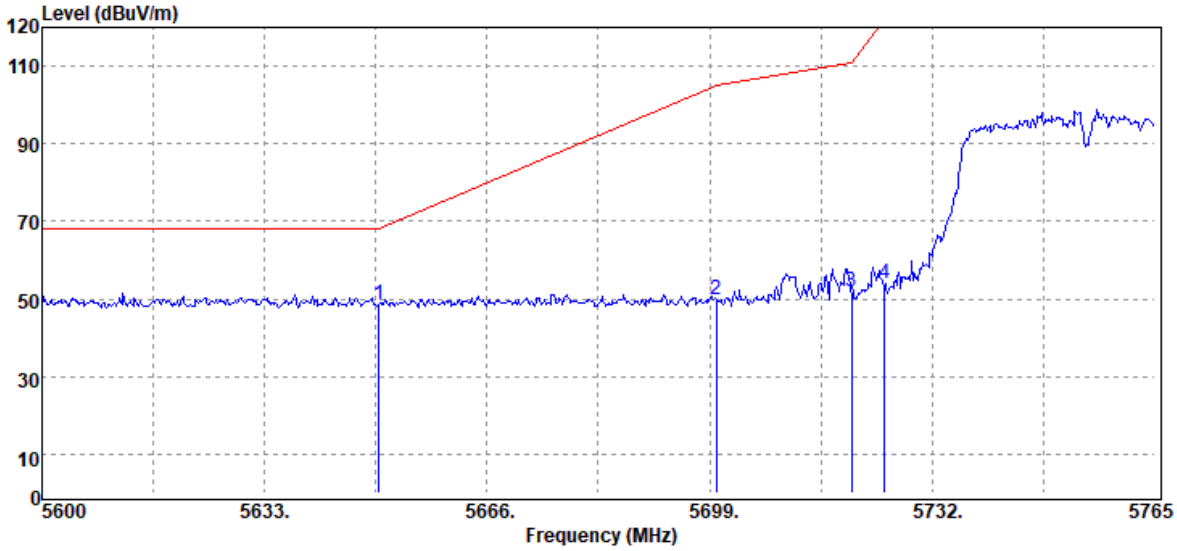
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	39.85	8.87	48.72	68.20	-19.48
5700.00	Peak	40.71	9.22	49.93	105.20	-55.27
5720.00	Peak	42.68	9.29	51.97	110.80	-58.83
5725.00	Peak	44.83	9.29	54.12	122.20	-68.08

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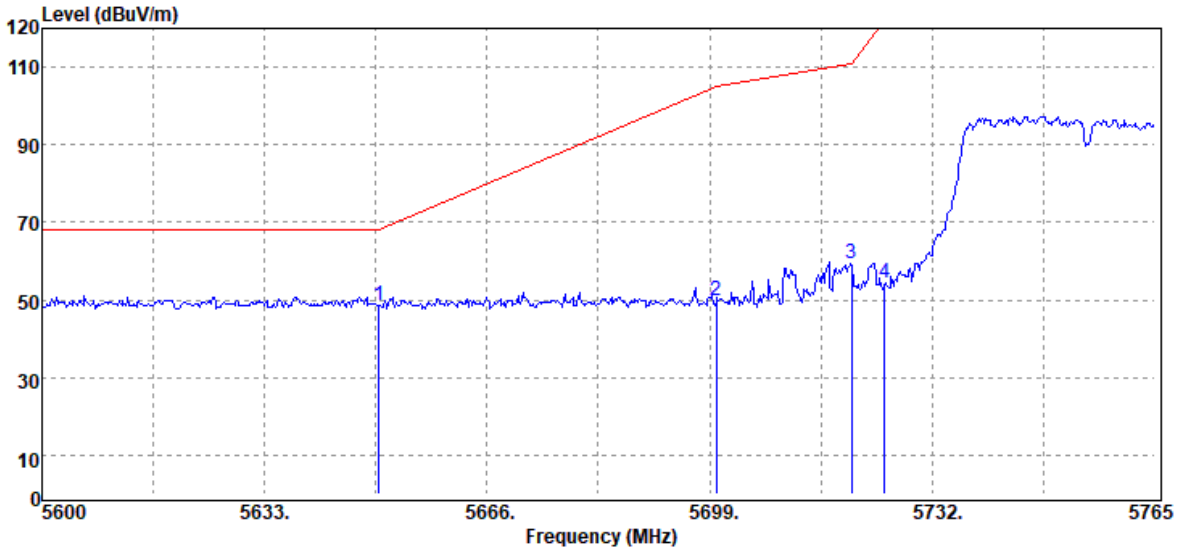
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	39.82	8.87	48.69	68.20	-19.51
5700.00	Peak	40.48	9.22	49.70	105.20	-55.50
5720.00	Peak	50.11	9.29	59.40	110.80	-51.40
5725.00	Peak	44.92	9.29	54.21	122.20	-67.99

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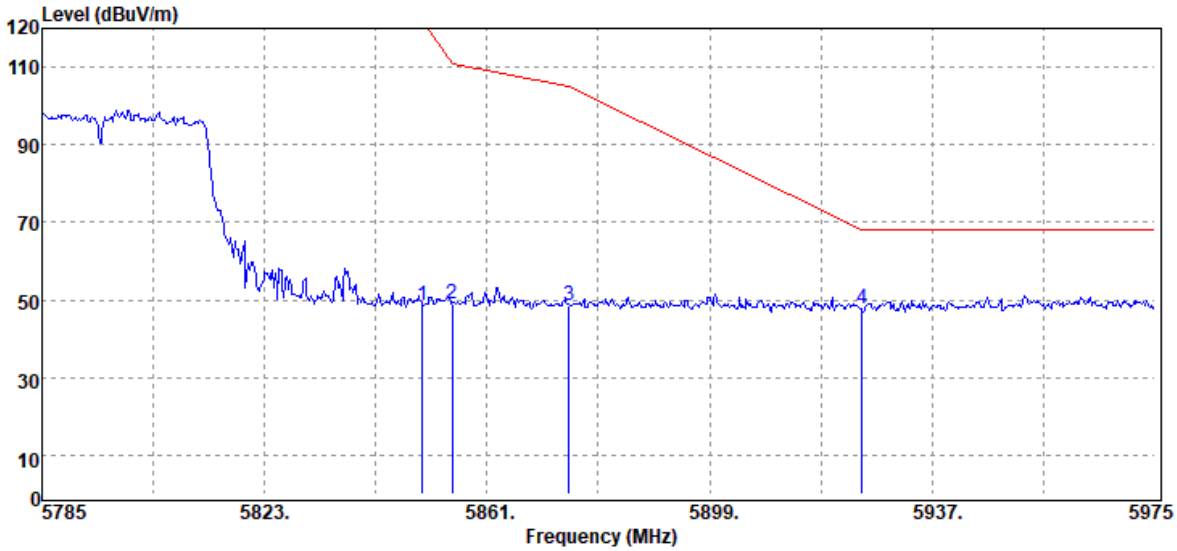
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	39.20	9.59	48.79	122.20	-73.41
5855.00	Peak	39.54	9.59	49.13	110.80	-61.67
5875.00	Peak	39.17	9.57	48.74	105.20	-56.46
5925.00	Peak	38.26	9.59	47.85	68.20	-20.35

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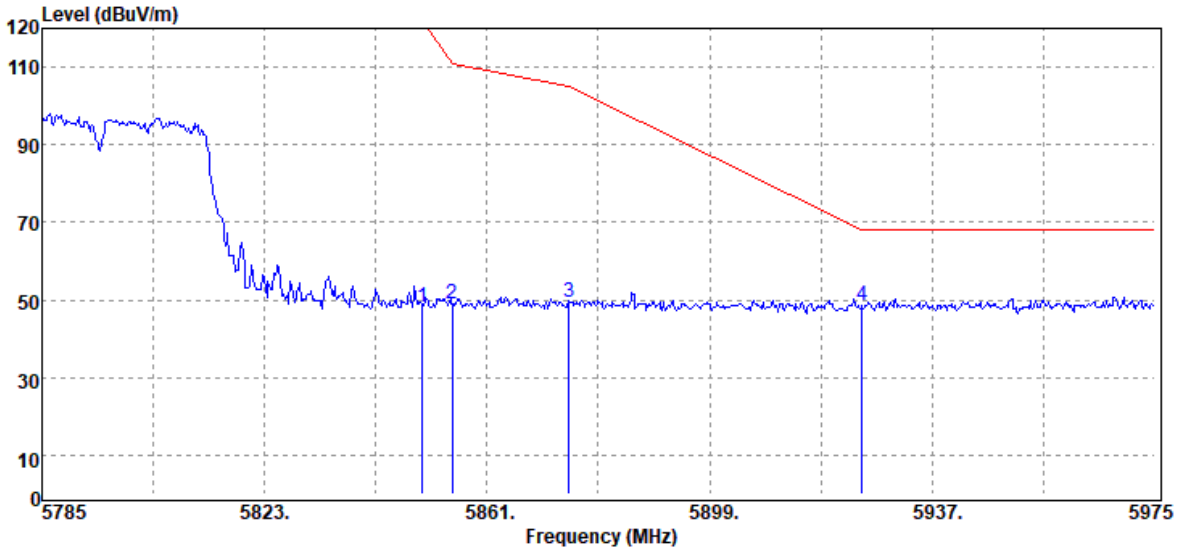
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	38.65	9.59	48.24	122.20	-73.96
5855.00	Peak	39.53	9.59	49.12	110.80	-61.68
5875.00	Peak	40.05	9.57	49.62	105.20	-55.58
5925.00	Peak	39.17	9.59	48.76	68.20	-19.44

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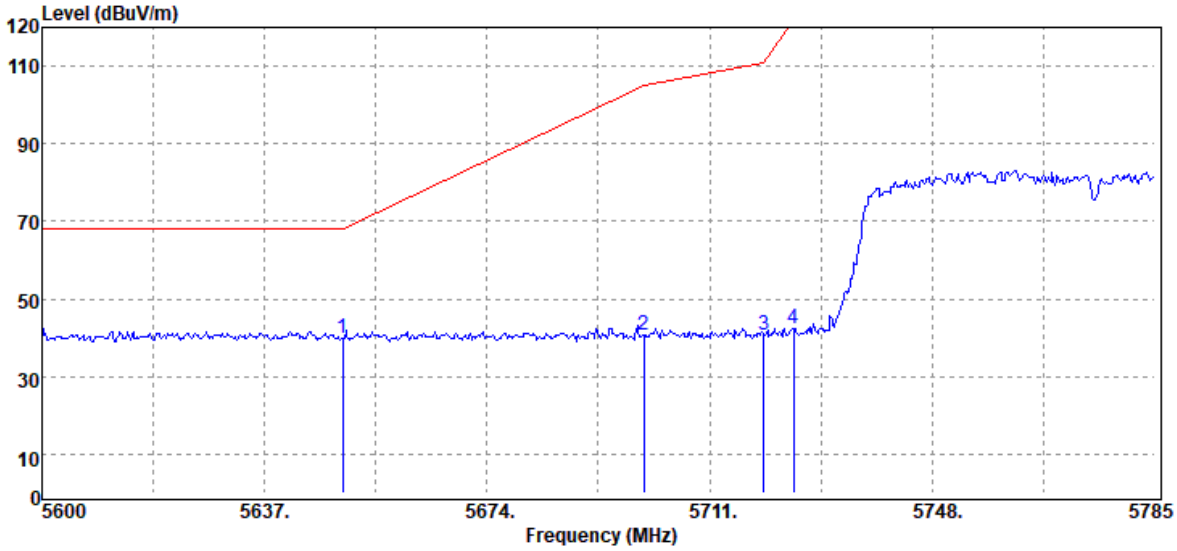
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	31.12	8.87	39.99	68.20	-28.21
5700.00	Peak	31.37	9.22	40.59	105.20	-64.61
5720.00	Peak	31.47	9.29	40.76	110.80	-70.04
5725.00	Peak	33.20	9.29	42.49	122.20	-79.71

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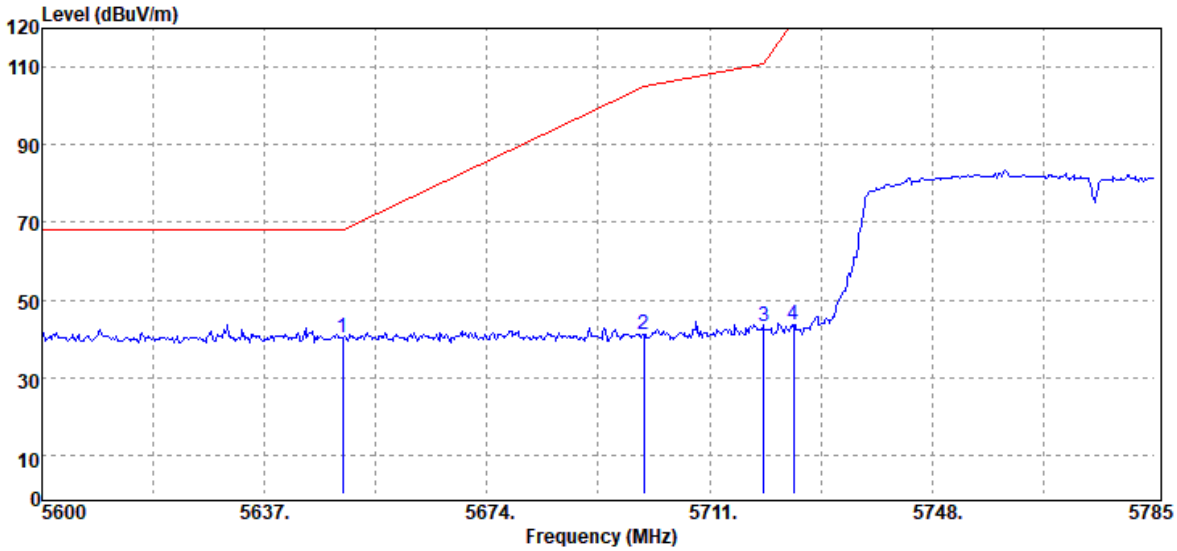
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	31.36	8.87	40.23	68.20	-27.97
5700.00	Peak	31.91	9.22	41.13	105.20	-64.07
5720.00	Peak	33.70	9.29	42.99	110.80	-67.81
5725.00	Peak	34.21	9.29	43.50	122.20	-78.70

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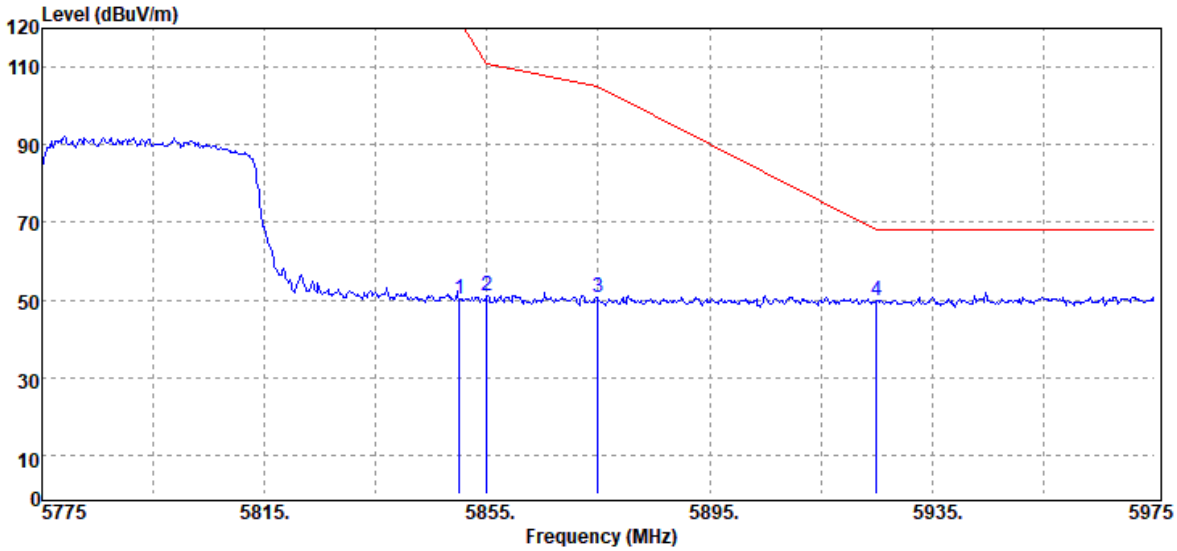
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	40.70	9.59	50.29	122.20	-71.91
5855.00	Peak	41.48	9.59	51.07	110.80	-59.73
5875.00	Peak	41.01	9.57	50.58	105.20	-54.62
5925.00	Peak	40.37	9.59	49.96	68.20	-18.24

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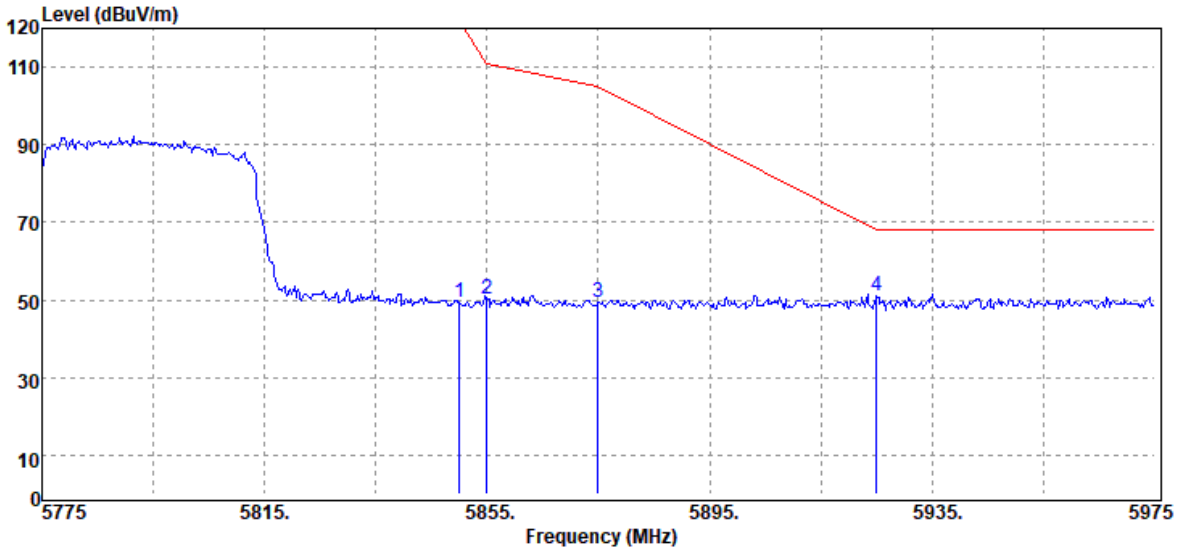
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Band Edge	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	39.66	9.59	49.25	122.20	-72.95
5855.00	Peak	40.49	9.59	50.08	110.80	-60.72
5875.00	Peak	39.96	9.57	49.53	105.20	-55.67
5925.00	Peak	41.32	9.59	50.91	68.20	-17.29

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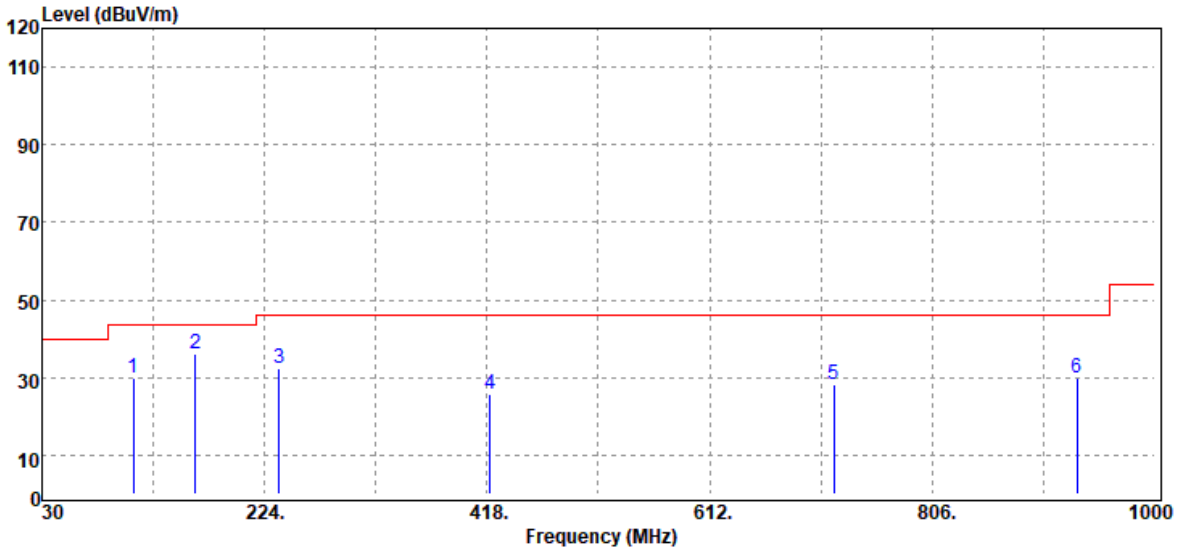
Report No.: TMWK2108000371KR

Below 1G Test Data

Test Mode	Mode 1	Temp/Hum	23.9(℃)/ 62%RH
Test Item	30MHz-1GHz	Test Date	August 25, 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
109.54	Peak	40.43	-10.53	29.90	43.50	-13.60
163.86	Peak	46.99	-10.81	36.18	43.50	-7.32
236.61	Peak	43.20	-10.86	32.34	46.00	-13.66
420.91	Peak	31.09	-5.24	25.85	46.00	-20.15
720.64	Peak	27.78	0.32	28.10	46.00	-17.90
932.10	Peak	26.50	3.32	29.82	46.00	-16.18

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.

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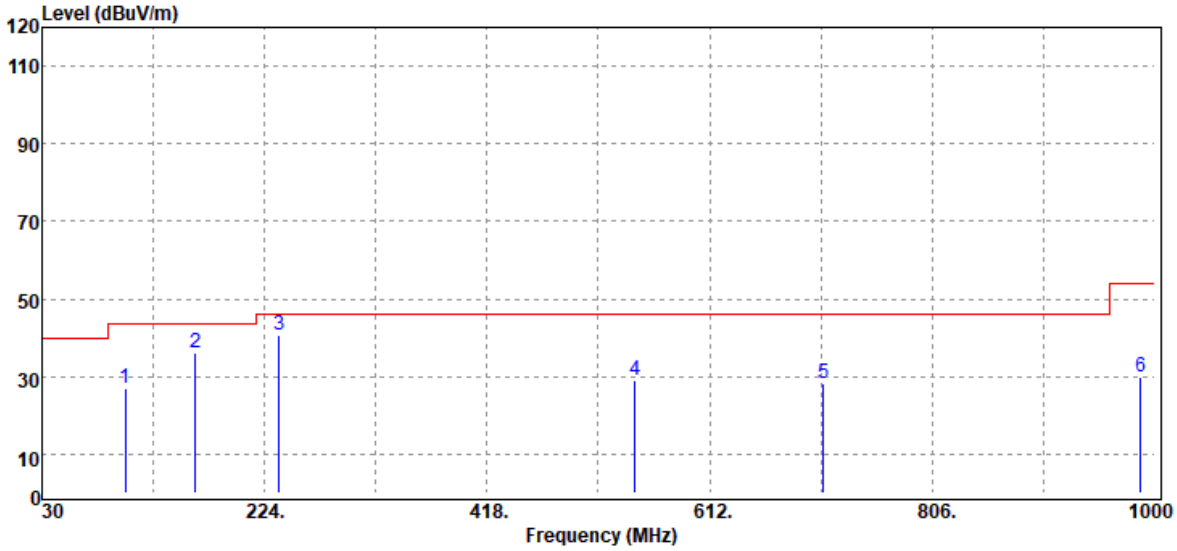
Report No.: TMWK2108000371KR

Test Mode	Mode 1	Temp/Hum	23.9(℃)/ 62%RH
Test Item	30MHz-1GHz	Test Date	August 25, 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
102.75	Peak	39.11	-12.09	27.02	43.50	-16.48
163.86	Peak	46.78	-10.81	35.97	43.50	-7.53
236.61	Peak	51.58	-10.86	40.72	46.00	-5.28
547.01	Peak	31.80	-2.74	29.06	46.00	-16.94
710.94	Peak	27.90	0.20	28.10	46.00	-17.90
987.39	Peak	25.41	4.29	29.70	54.00	-24.30

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.

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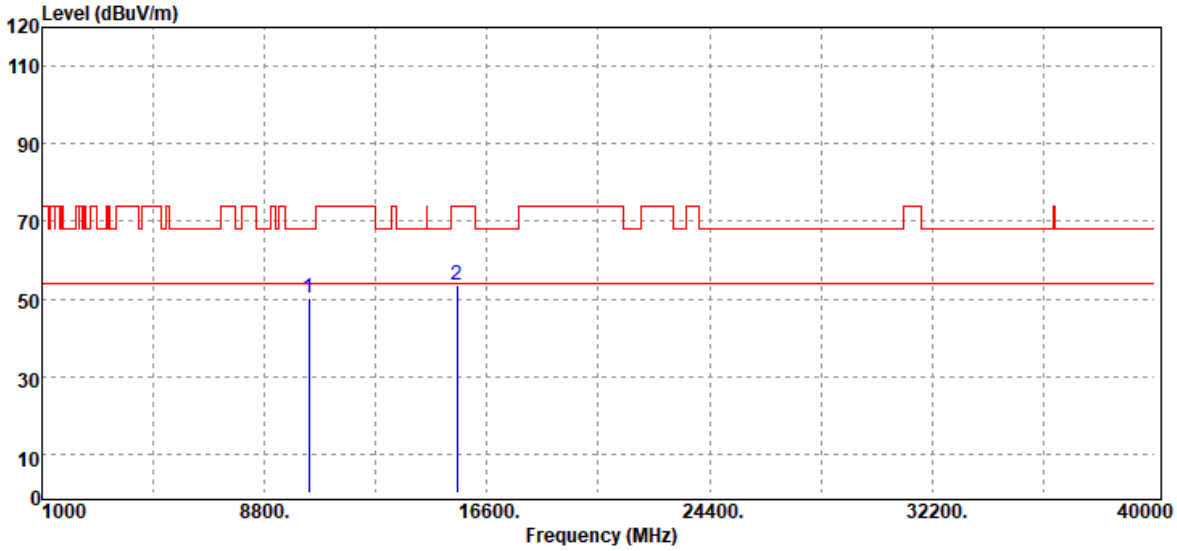
Report No.: TMWK2108000371KR

Above 1G

Test Data for UNII-1

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	32.17	18.16	50.33	68.20	-17.87
15540.00	Peak	30.92	22.44	53.36	74.00	-20.64
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.

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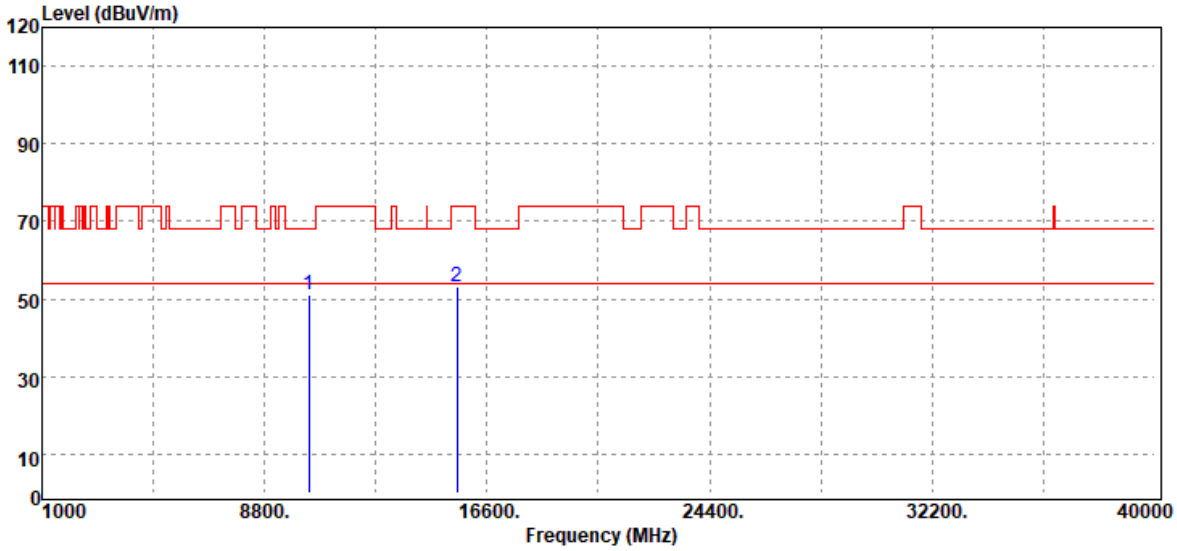
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	32.86	18.16	51.02	68.20	-17.18
15540.00	Peak	30.59	22.44	53.03	74.00	-20.97
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.

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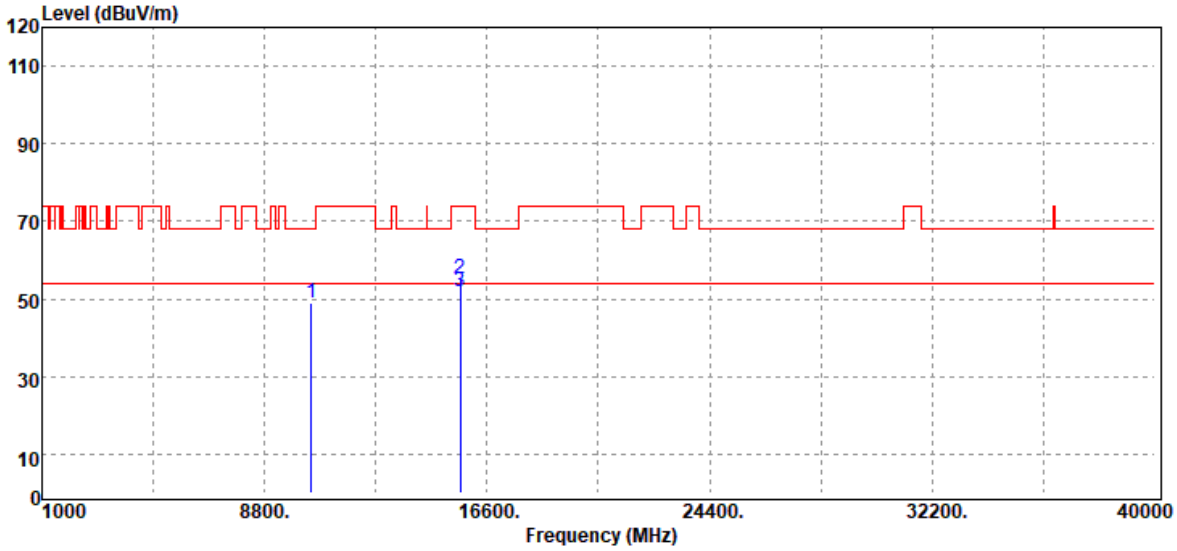
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5220 MHZ	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonics	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



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	30.55	18.29	48.84	68.20	-19.36
15660.00	Peak	32.23	22.86	55.09	74.00	-18.91
15660.00	Average	29.12	22.86	51.98	54.00	-2.02
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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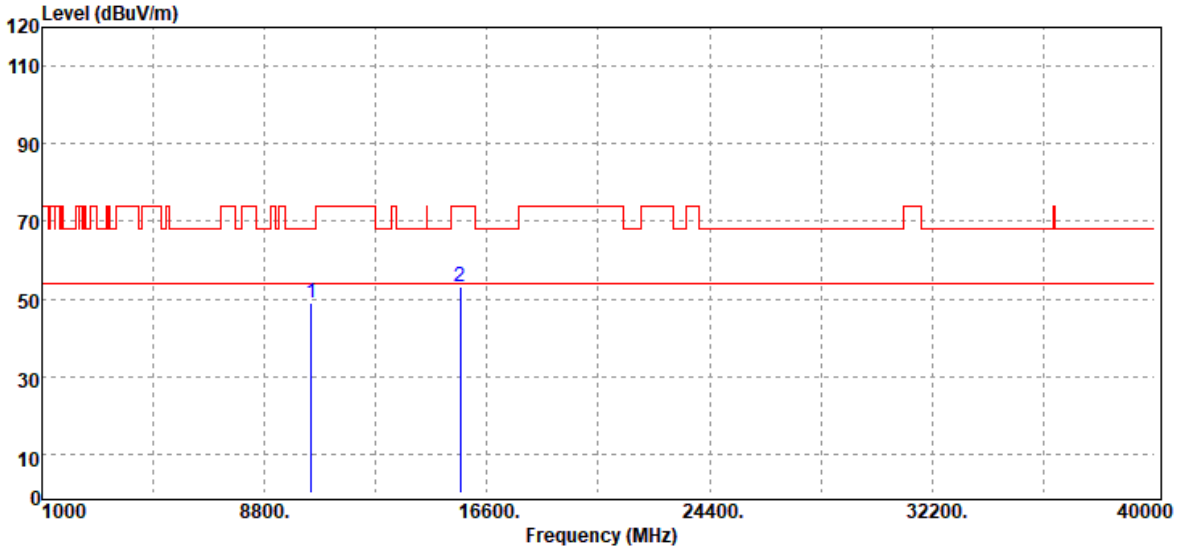
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5220 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	30.84	18.29	49.13	68.20	-19.07
15660.00	Peak	30.48	22.86	53.34	74.00	-20.66
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.

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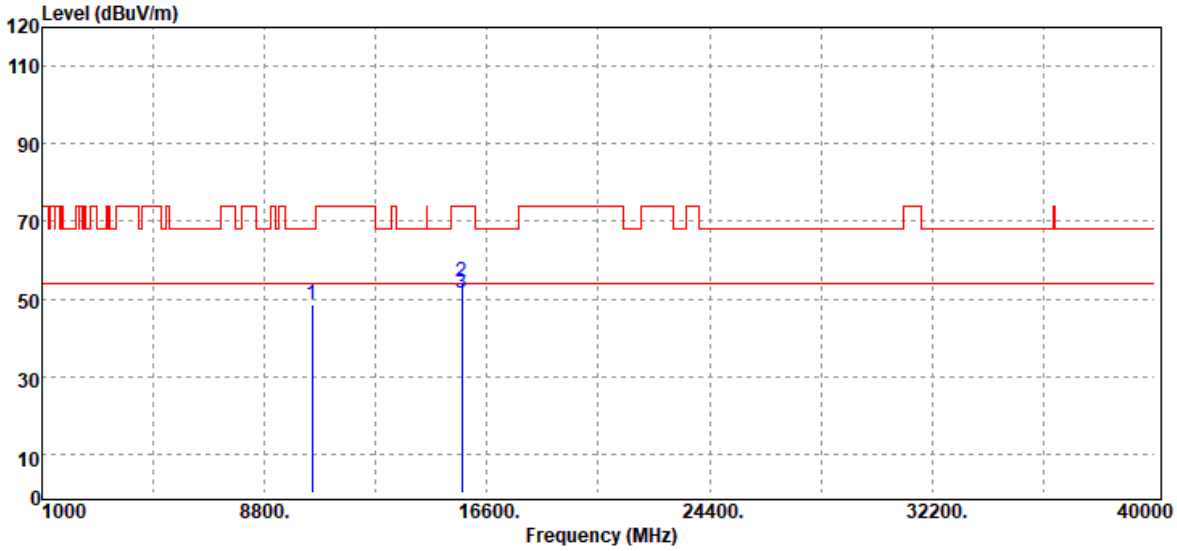
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



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	30.10	18.28	48.38	68.20	-19.82
15720.00	Peak	31.07	23.15	54.22	74.00	-19.78
15720.00	Average	28.41	23.15	51.56	54.00	-2.44
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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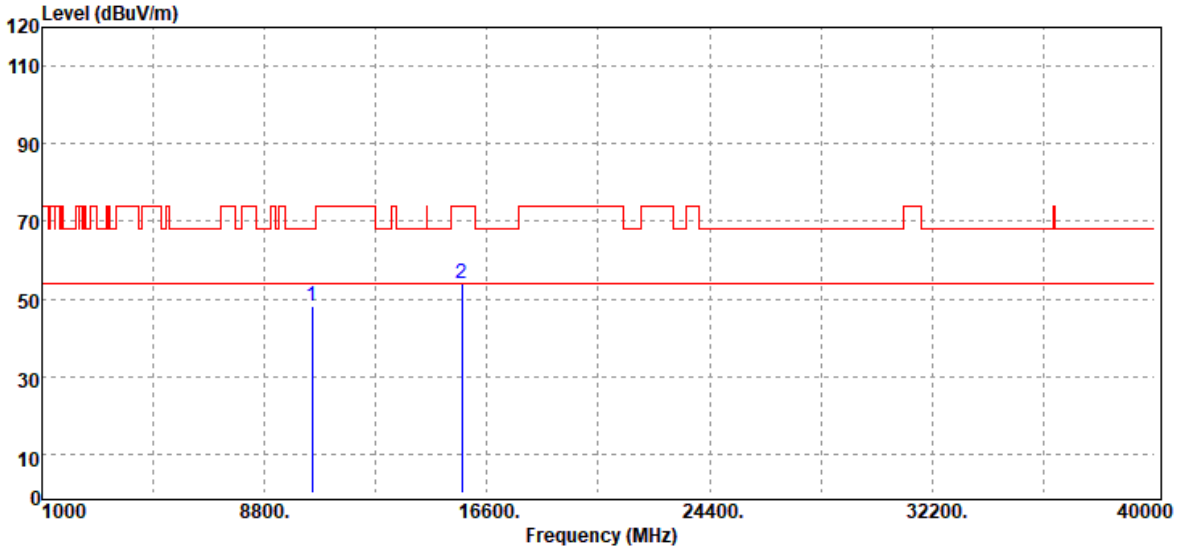
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	29.94	18.28	48.22	68.20	-19.98
15720.00	Peak	30.68	23.15	53.83	74.00	-20.17
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.

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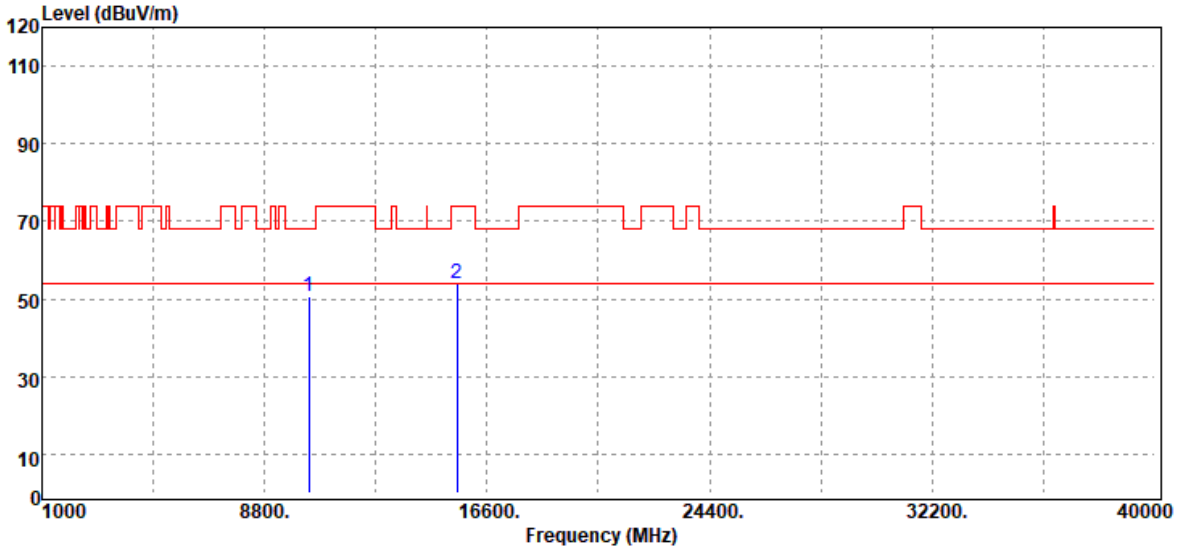
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5180MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	32.33	18.16	50.49	68.20	-17.71
15540.00	Peak	31.56	22.44	54.00	74.00	-20.00
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.

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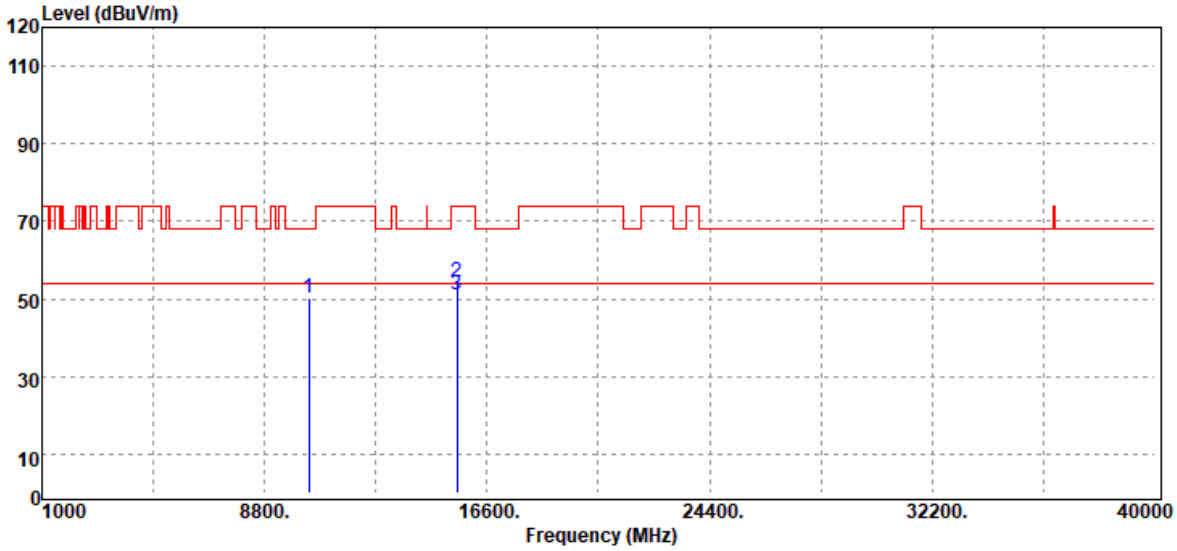
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz/ 5180MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



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	32.05	18.16	50.21	68.20	-17.99
15540.00	Peak	32.07	22.44	54.51	74.00	-19.49
15540.00	Average	28.64	22.44	51.08	54.00	-2.92
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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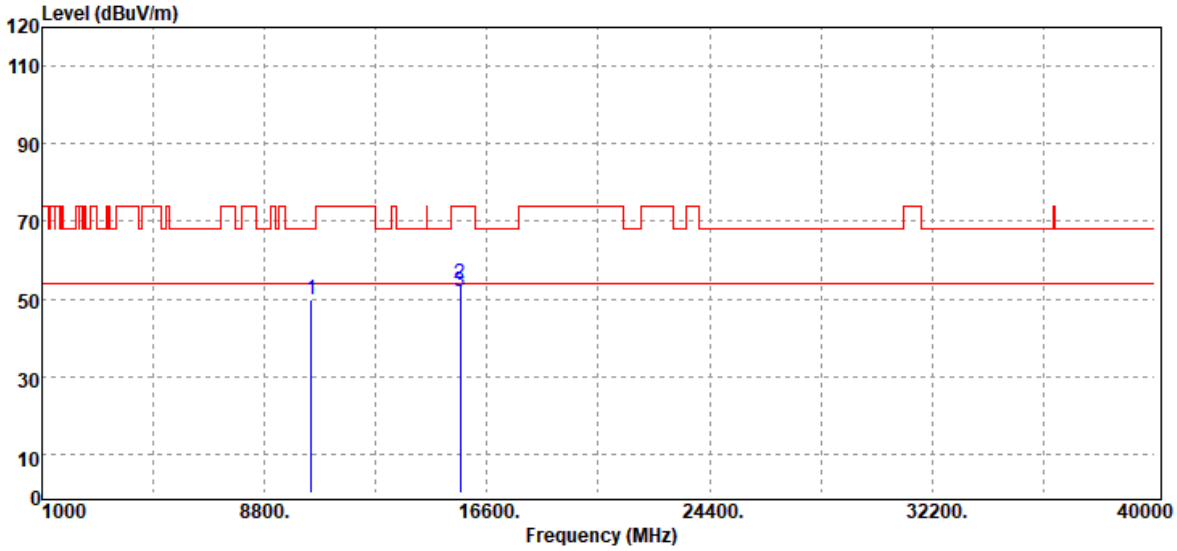
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5220MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



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	31.29	22.86	54.15	74.00	-19.85
15660.00	Average	28.97	22.86	51.83	54.00	-2.17
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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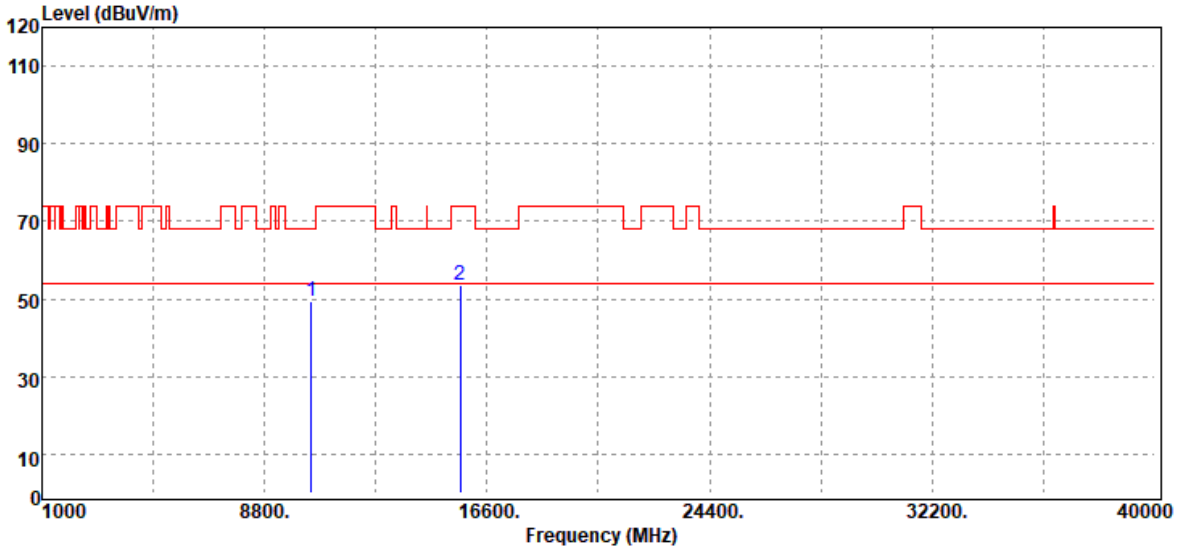
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5220MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	31.08	18.29	49.37	68.20	-18.83
15660.00	Peak	30.58	22.86	53.44	74.00	-20.56
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.

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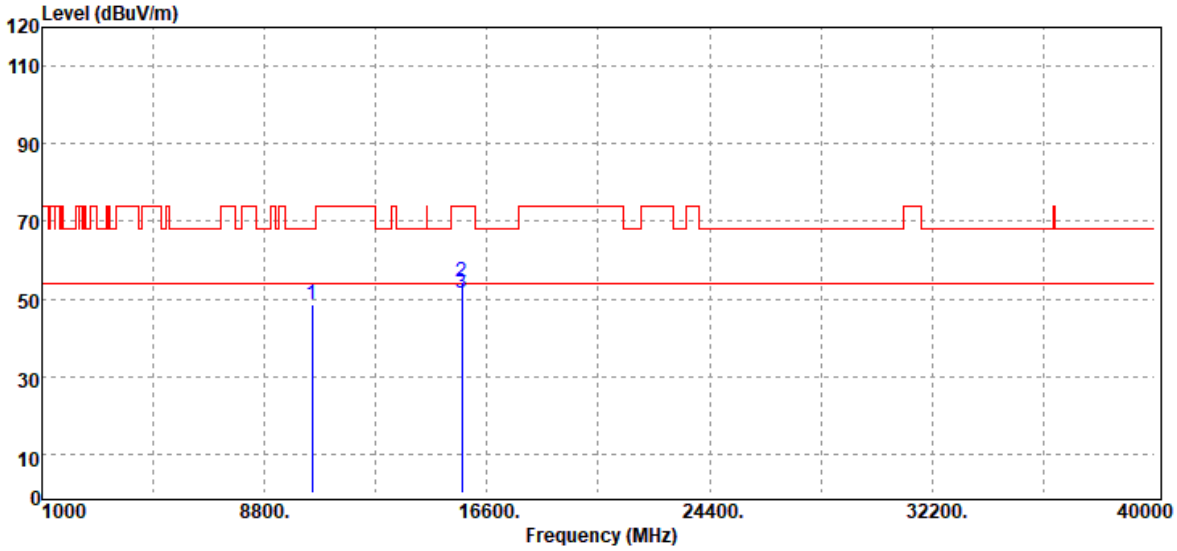
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5240MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



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	30.32	18.28	48.60	68.20	-19.60
15720.00	Peak	31.20	23.15	54.35	74.00	-19.65
15720.00	Average	28.34	23.15	51.49	54.00	-2.51
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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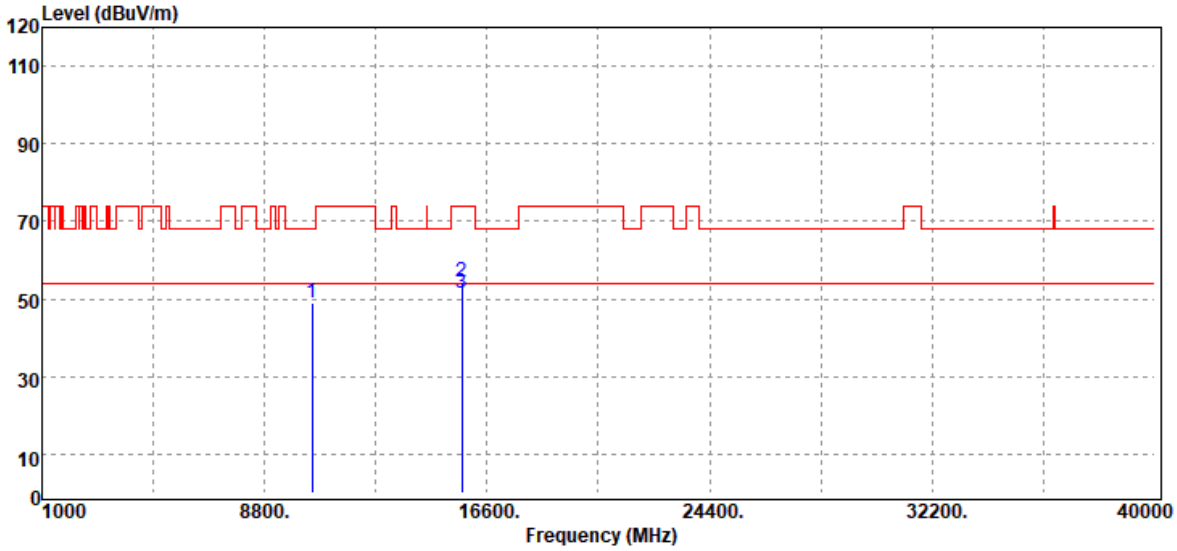
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5240MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



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	30.81	18.28	49.09	68.20	-19.11
15720.00	Peak	31.13	23.15	54.28	74.00	-19.72
15720.00	Average	28.41	23.15	51.56	54.00	-2.44
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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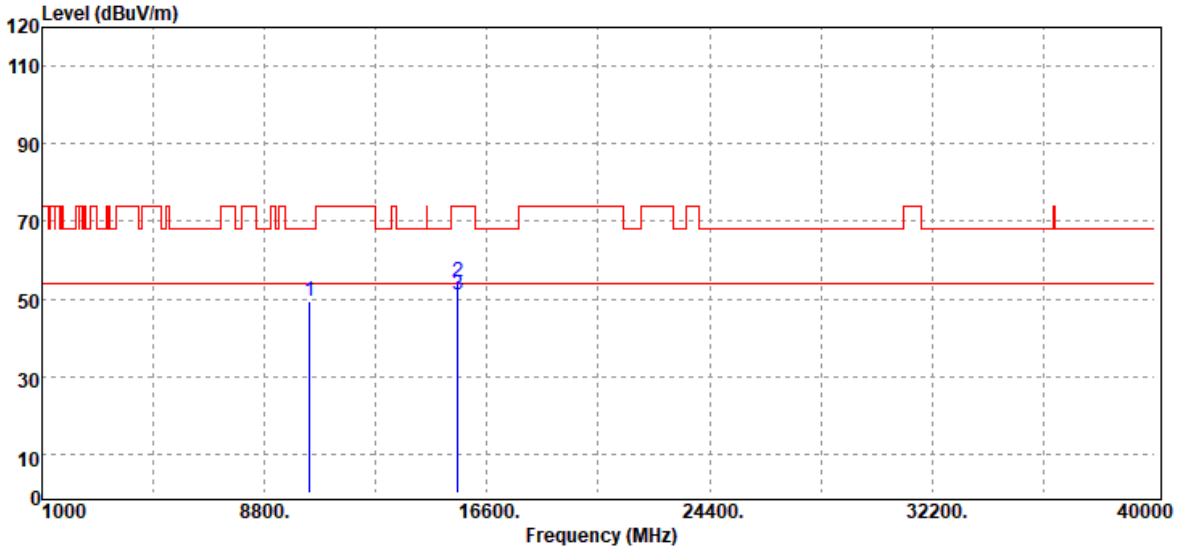
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



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	31.23	18.17	49.40	68.20	-18.80
15570.00	Peak	31.98	22.55	54.53	74.00	-19.47
15570.00	Average	28.73	22.55	51.28	54.00	-2.72
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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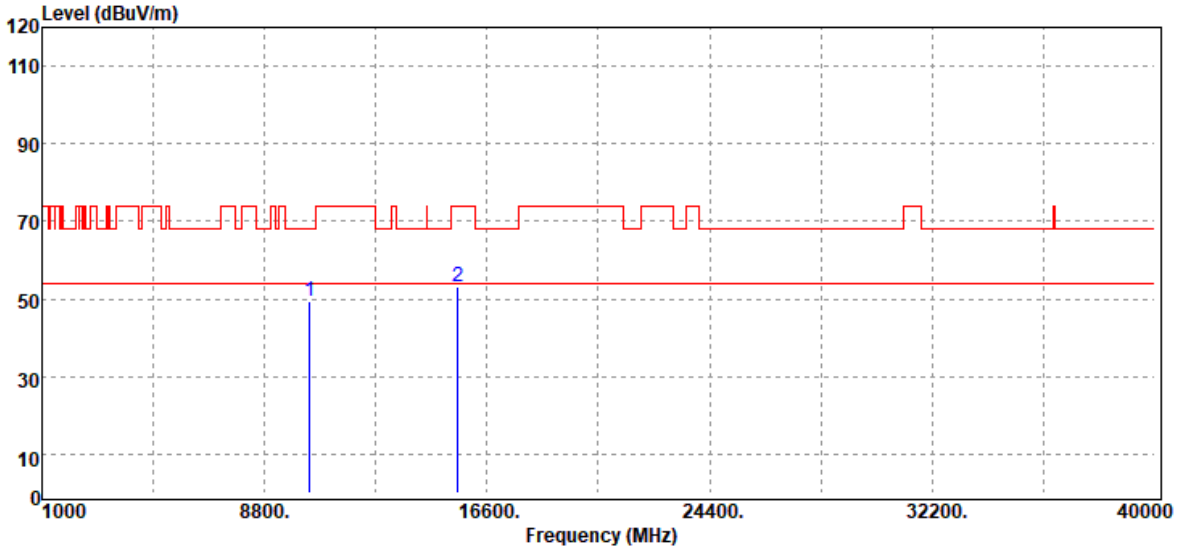
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	31.22	18.17	49.39	68.20	-18.81
15570.00	Peak	30.73	22.55	53.28	74.00	-20.72
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.

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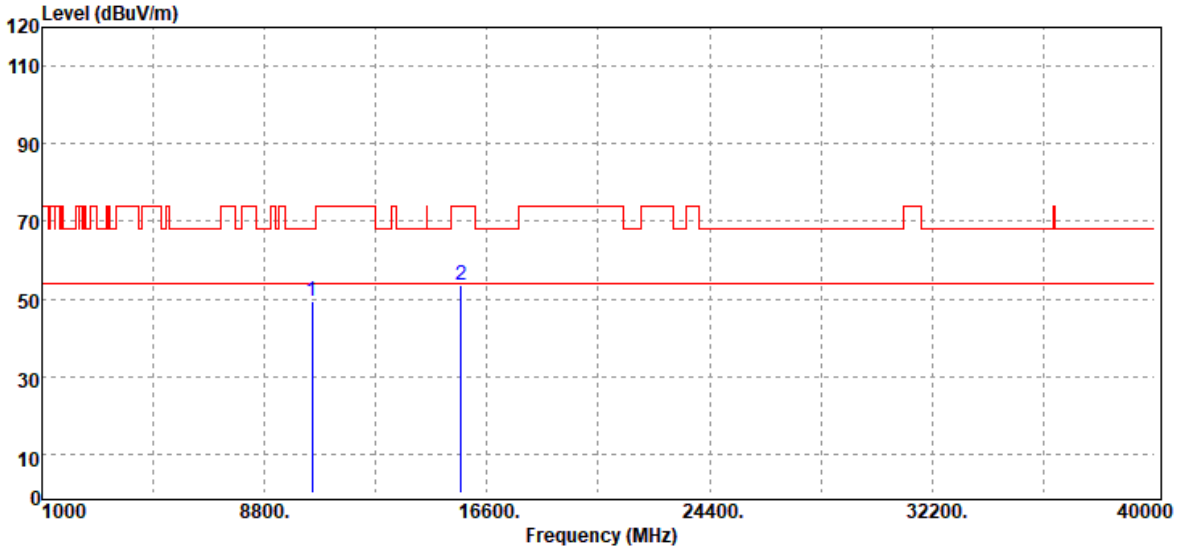
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	31.04	18.31	49.35	68.20	-18.85
15690.00	Peak	30.57	23.09	53.66	74.00	-20.34
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.

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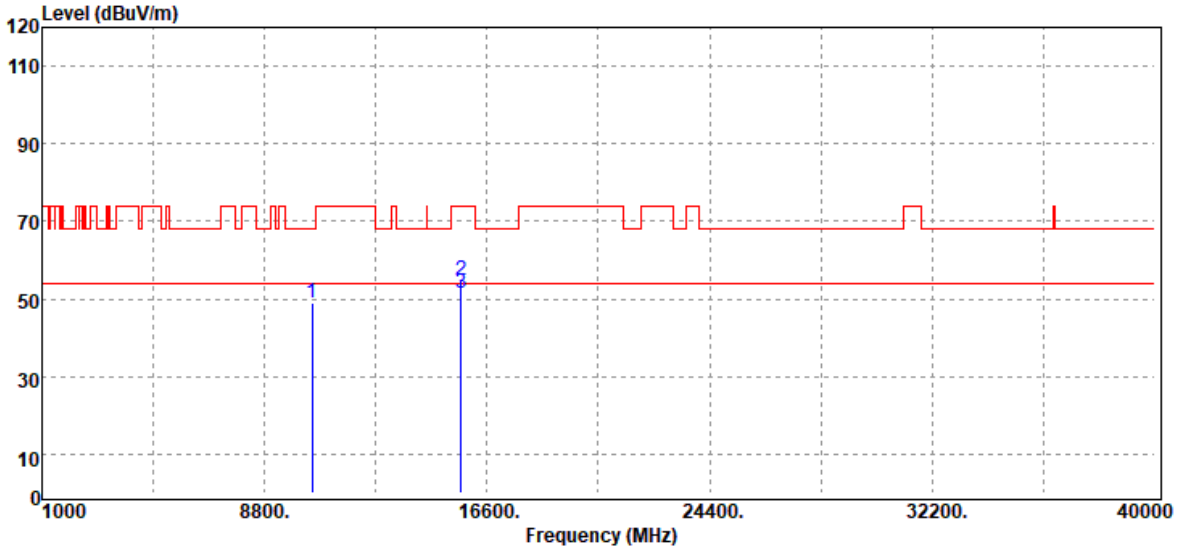
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



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	30.67	18.31	48.98	68.20	-19.22
15690.00	Peak	31.59	23.09	54.68	74.00	-19.32
15690.00	Average	28.47	23.09	51.56	54.00	-2.44
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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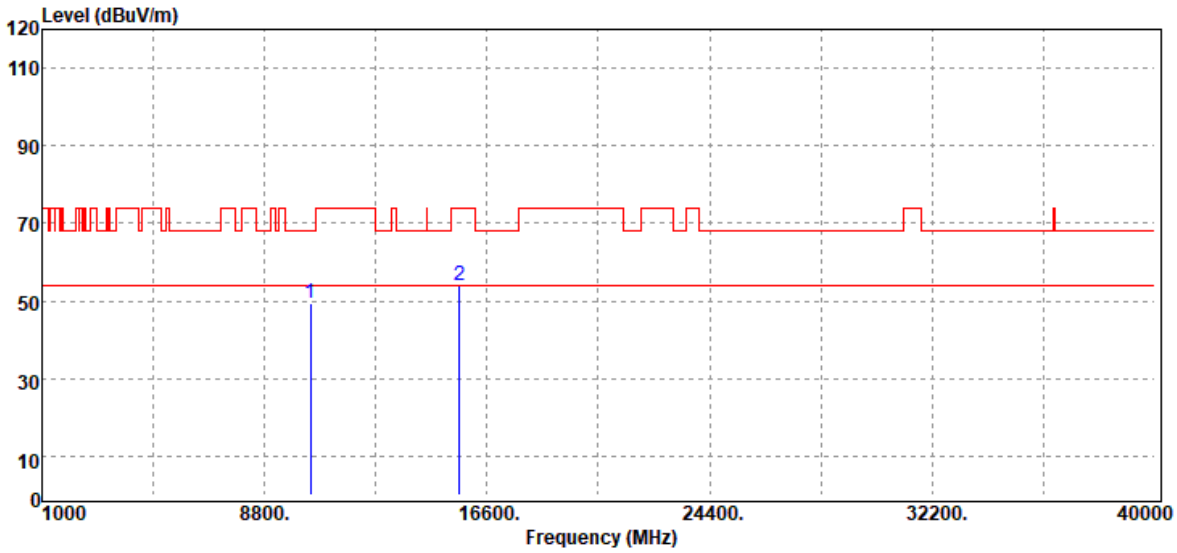
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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
10420.00	Peak	31.24	18.23	49.47	68.20	-18.73
15630.00	Peak	31.07	22.74	53.81	74.00	-20.19
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.

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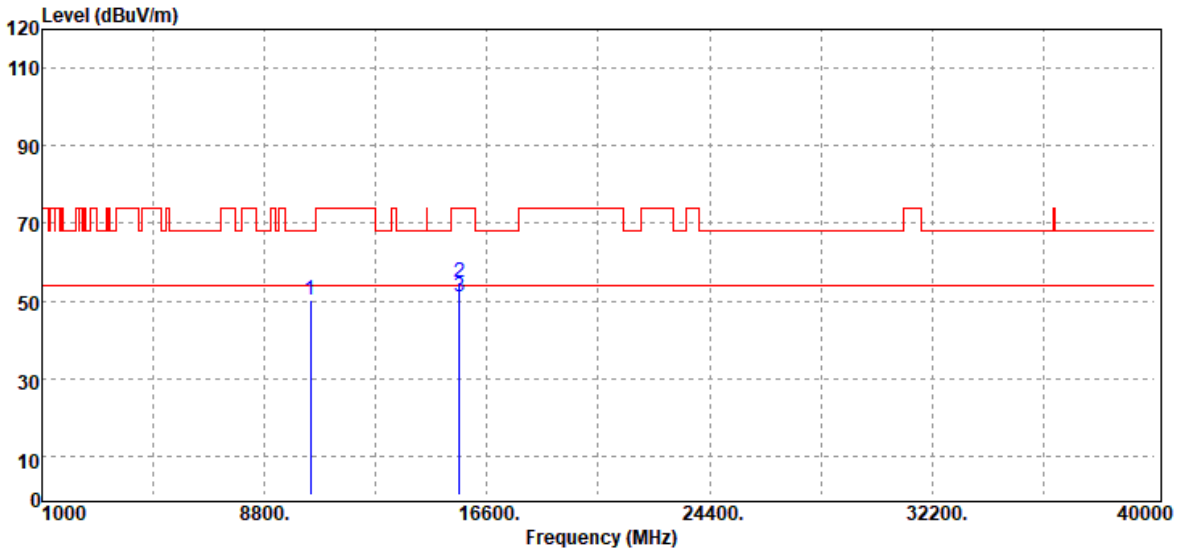
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10420.00	Peak	32.13	18.23	50.36	68.20	-17.84
15630.00	Peak	32.20	22.74	54.94	74.00	-19.06
15630.00	Average	28.46	22.74	51.20	54.00	-2.80
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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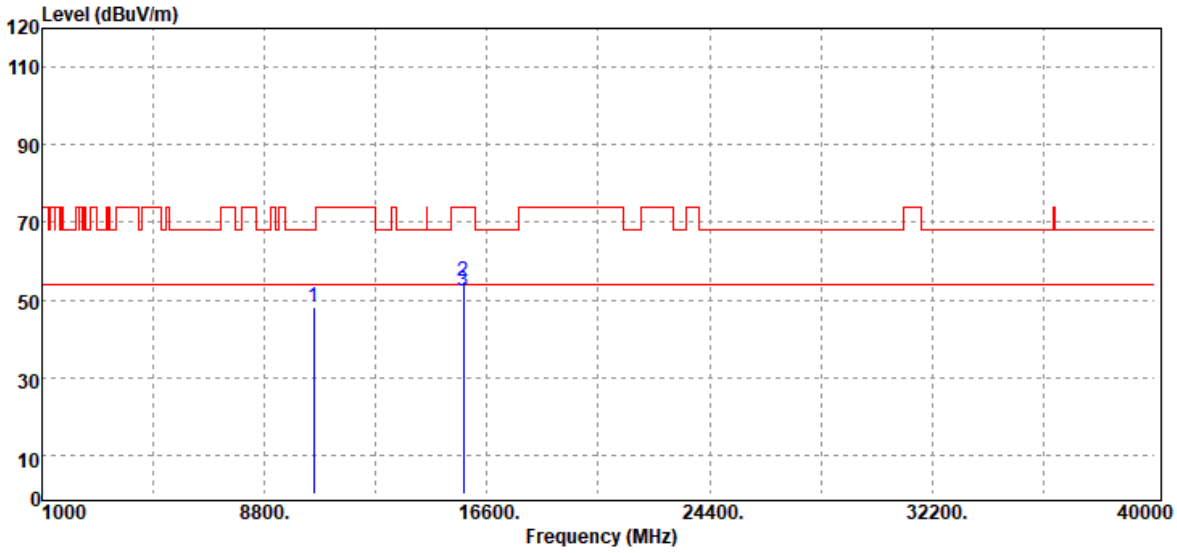
Report No.: TMWK2108000371KR

Test Data for UNII-2a

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



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	29.71	18.30	48.01	68.20	-20.19
15780.00	Peak	31.65	23.19	54.84	74.00	-19.16
15780.00	Average	29.04	23.19	52.23	54.00	-1.77
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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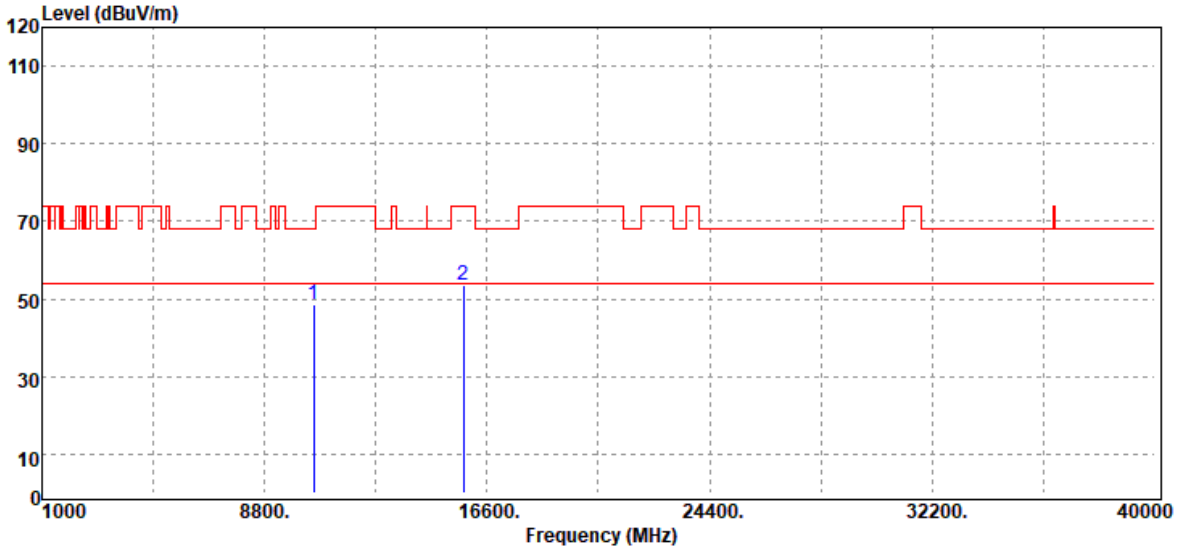
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	30.45	18.30	48.75	68.20	-19.45
15780.00	Peak	30.39	23.19	53.58	74.00	-20.42
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.

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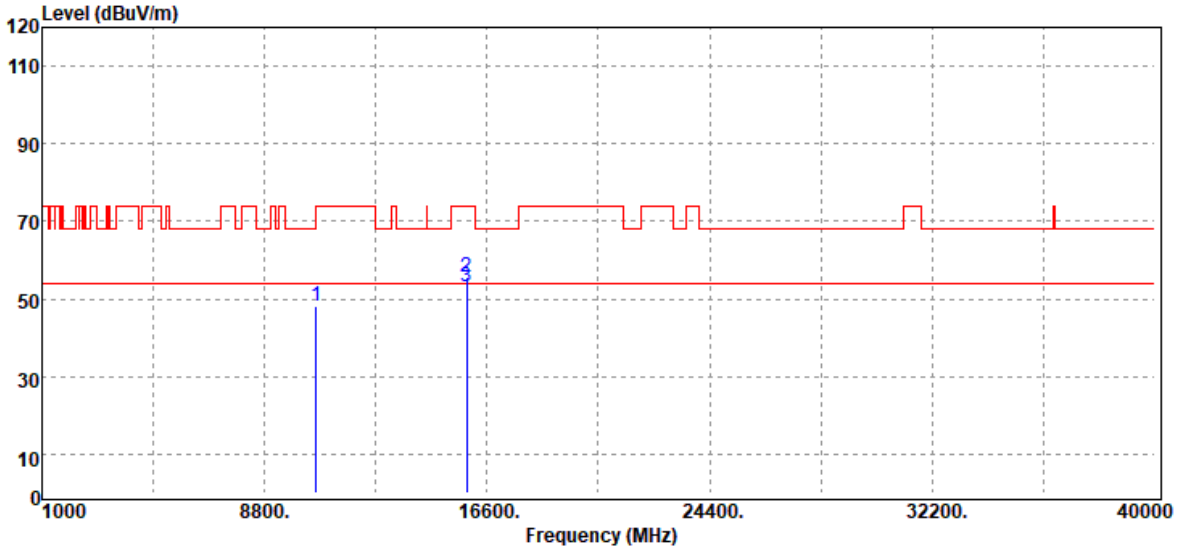
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5300 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



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	29.92	18.32	48.24	68.20	-19.96
15900.00	Peak	31.44	24.40	55.84	74.00	-18.16
15900.00	Average	28.89	24.40	53.29	54.00	-0.71
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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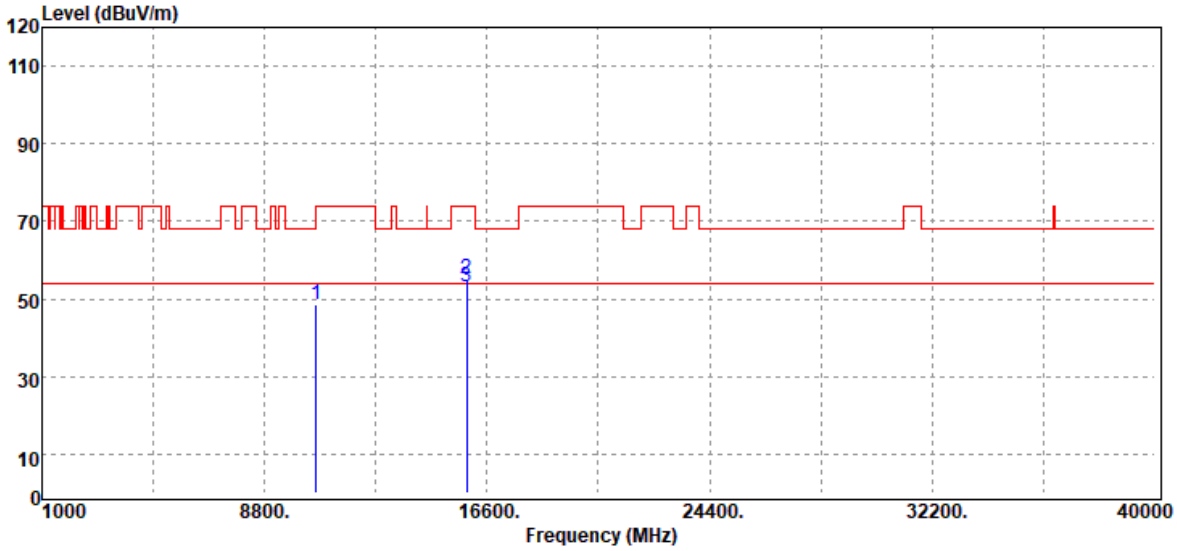
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5300 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



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	30.18	18.32	48.50	68.20	-19.70
15900.00	Peak	30.94	24.40	55.34	74.00	-18.66
15900.00	Average	28.86	24.40	53.26	54.00	-0.74
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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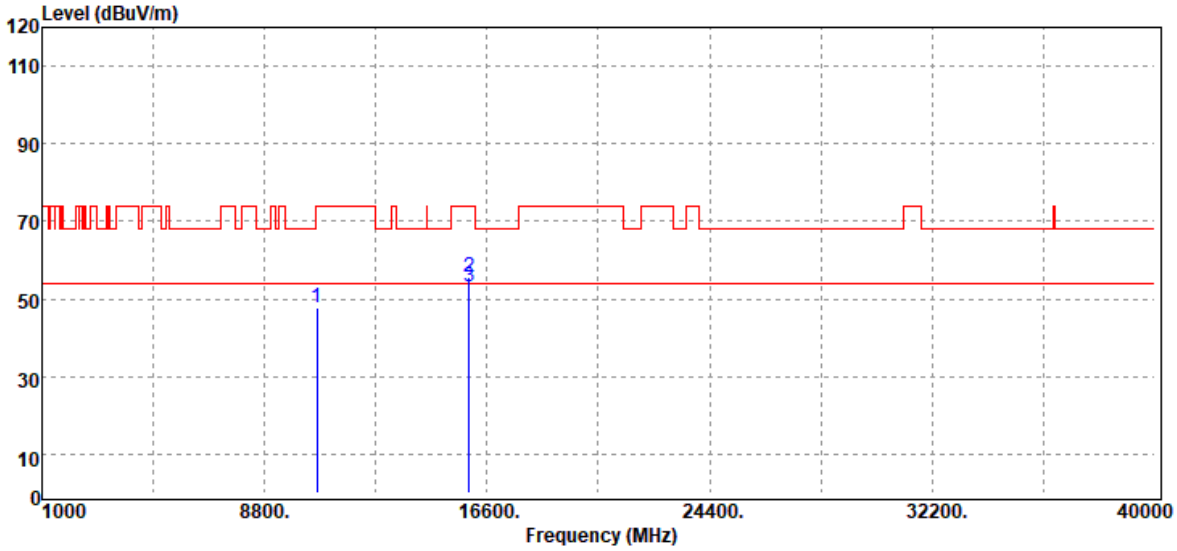
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	29.22	18.39	47.61	74.00	-26.39
15960.00	Peak	31.07	24.53	55.60	74.00	-18.40
15960.00	Average	28.74	24.53	53.27	54.00	-0.73
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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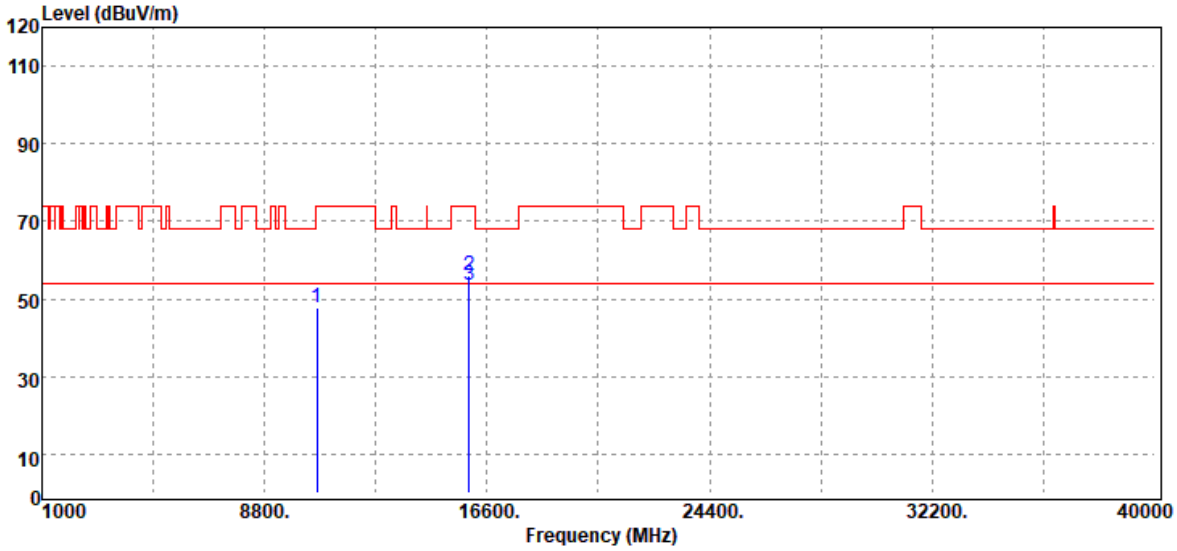
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	29.51	18.39	47.90	74.00	-26.10
15960.00	Peak	31.41	24.53	55.94	74.00	-18.06
15960.00	Average	28.91	24.53	53.44	54.00	-0.56
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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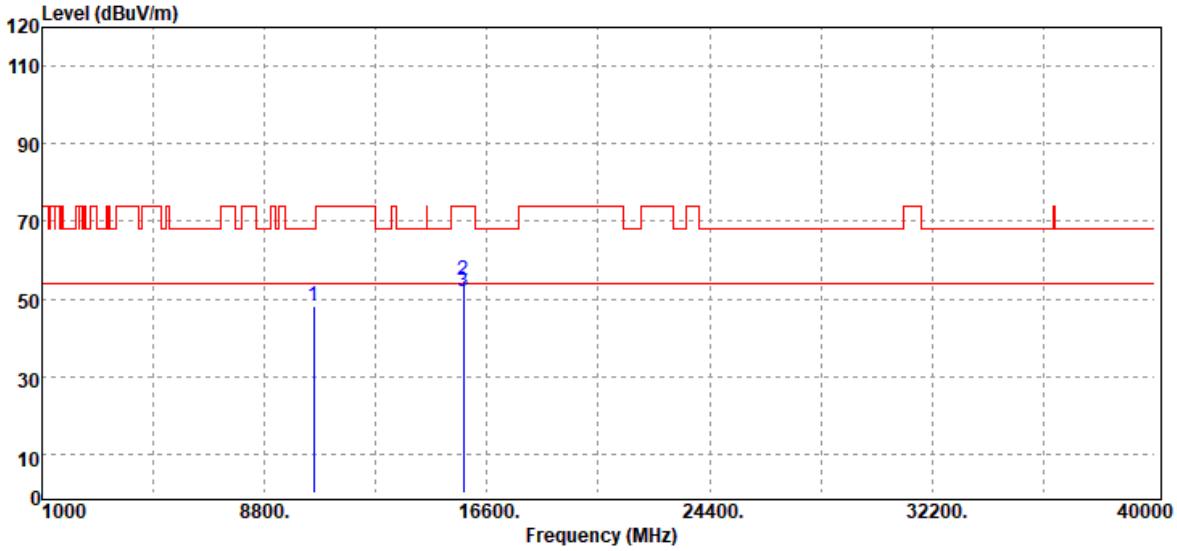
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



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	29.80	18.30	48.10	68.20	-20.10
15780.00	Peak	31.73	23.19	54.92	74.00	-19.08
15780.00	Average	28.75	23.19	51.94	54.00	-2.06
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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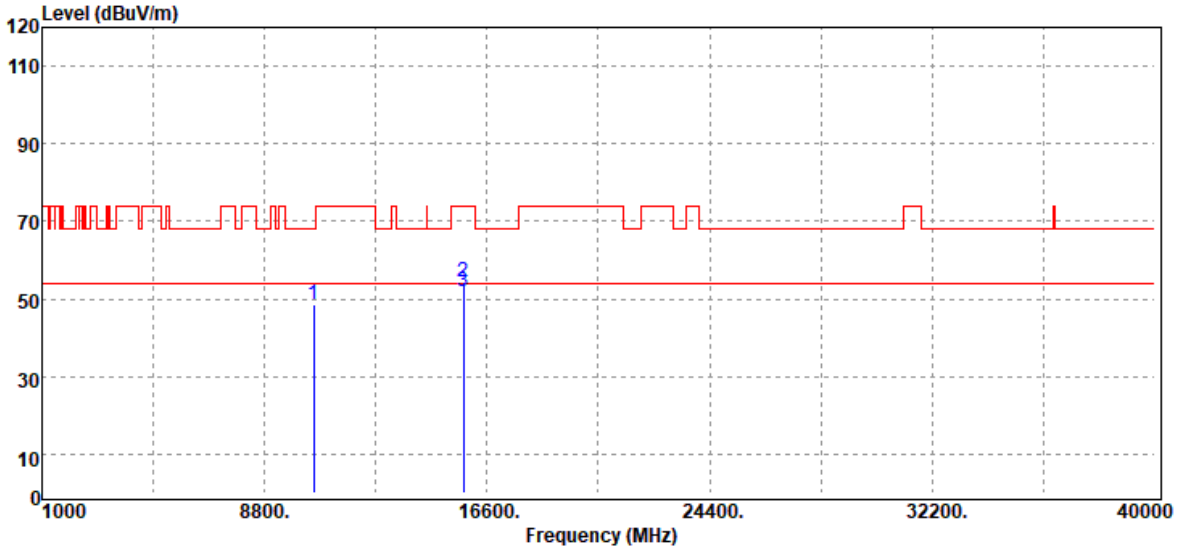
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



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	30.08	18.30	48.38	68.20	-19.82
15780.00	Peak	31.18	23.19	54.37	74.00	-19.63
15780.00	Average	28.82	23.19	52.01	54.00	-1.99
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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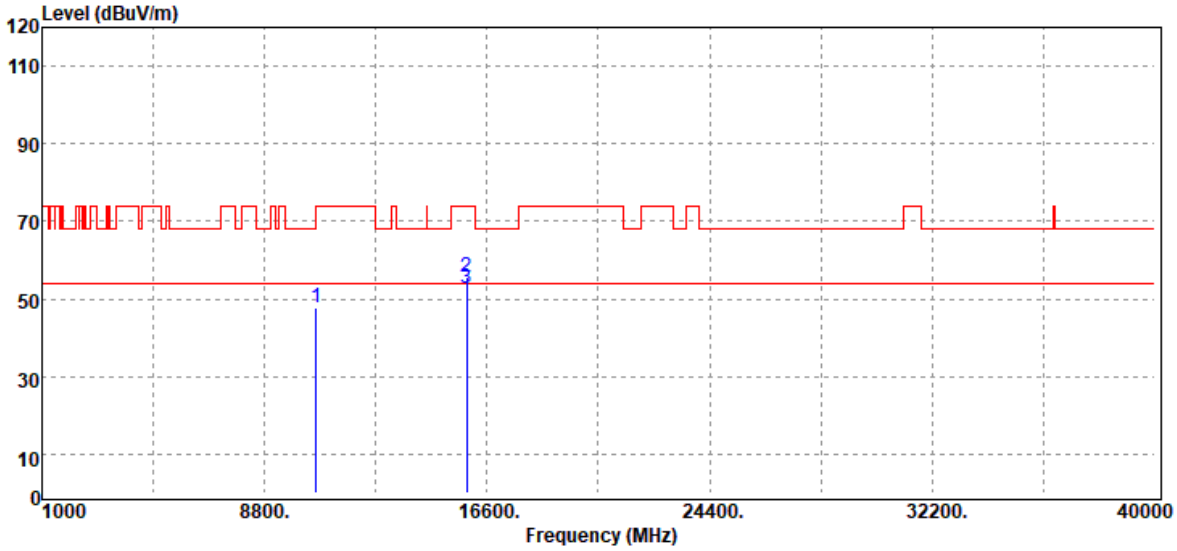
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5300 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



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	29.62	18.32	47.94	68.20	-20.26
15900.00	Peak	31.11	24.40	55.51	74.00	-18.49
15900.00	Average	28.49	24.40	52.89	54.00	-1.11
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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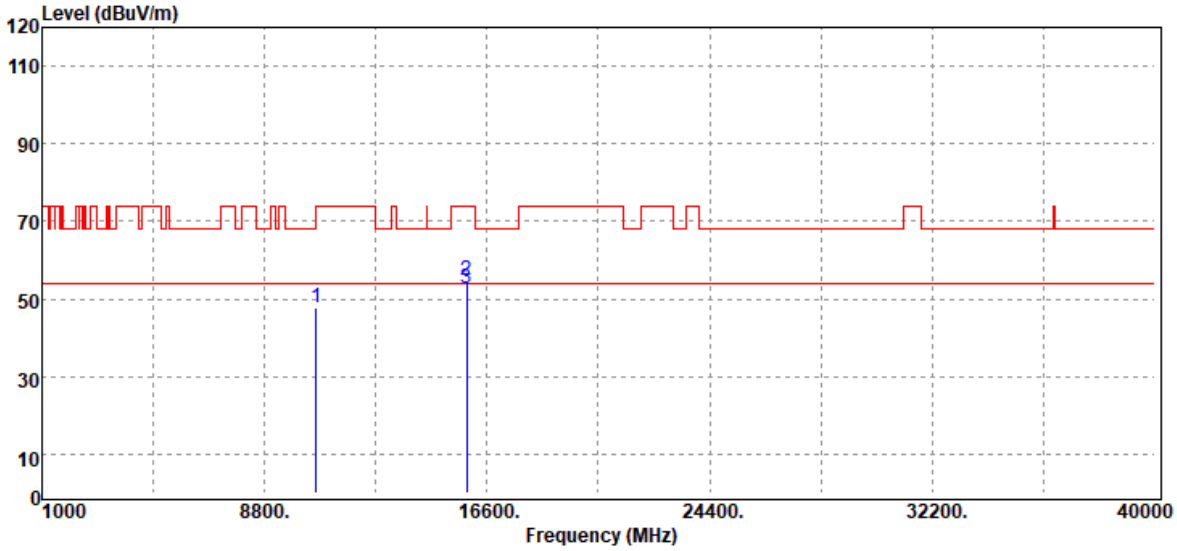
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5300 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



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	29.52	18.32	47.84	68.20	-20.36
15900.00	Peak	30.47	24.40	54.87	74.00	-19.13
15900.00	Average	28.35	24.40	52.75	54.00	-1.25
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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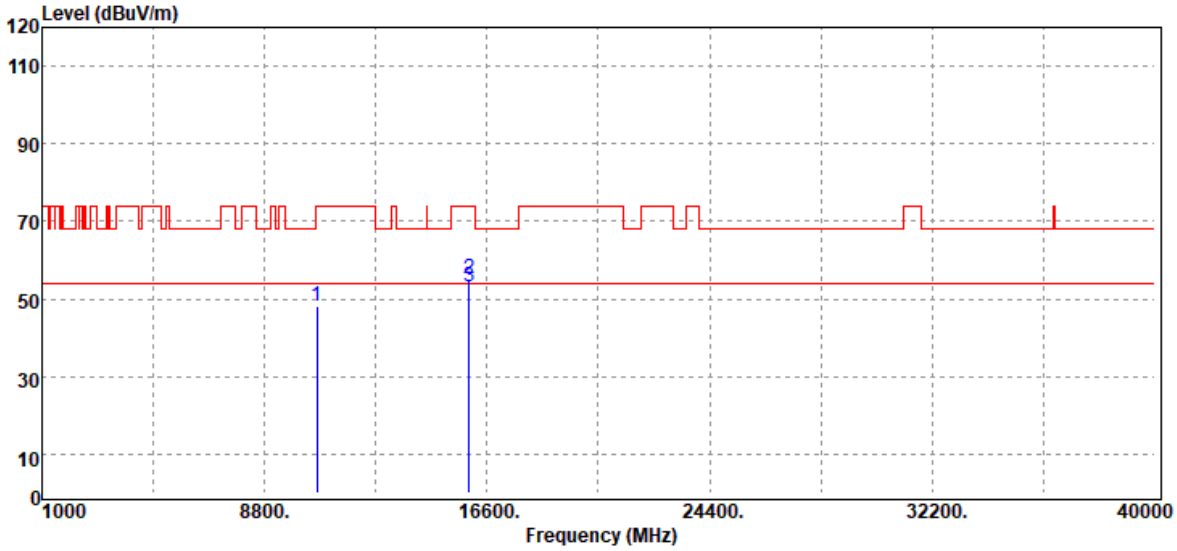
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	29.75	18.39	48.14	74.00	-25.86
15960.00	Peak	30.68	24.53	55.21	74.00	-18.79
15960.00	Average	28.71	24.53	53.24	54.00	-0.76
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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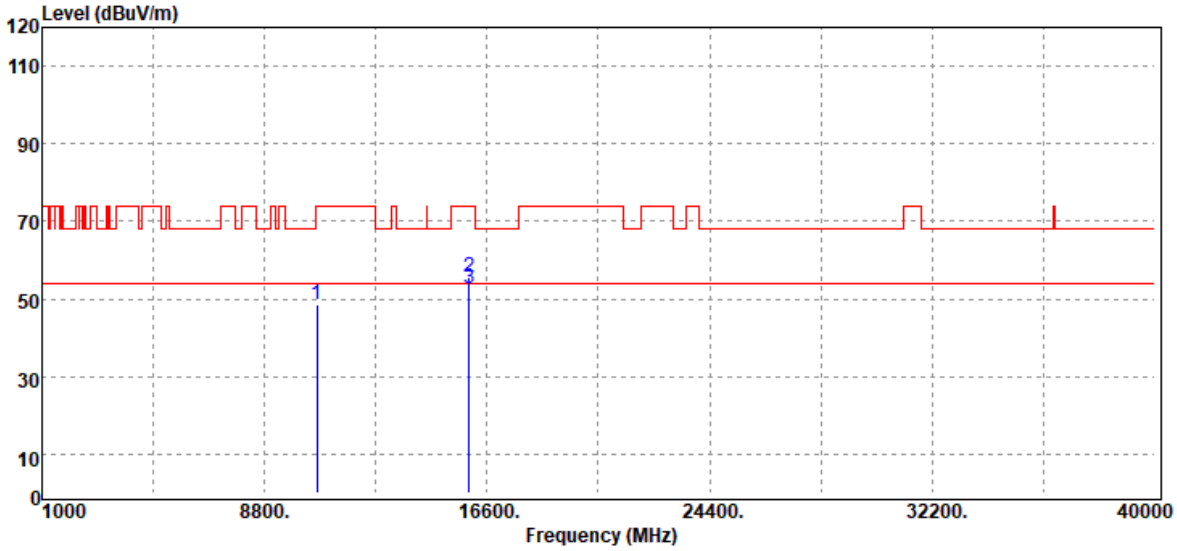
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	30.09	18.39	48.48	74.00	-25.52
15960.00	Peak	30.93	24.53	55.46	74.00	-18.54
15960.00	Average	28.39	24.53	52.92	54.00	-1.08
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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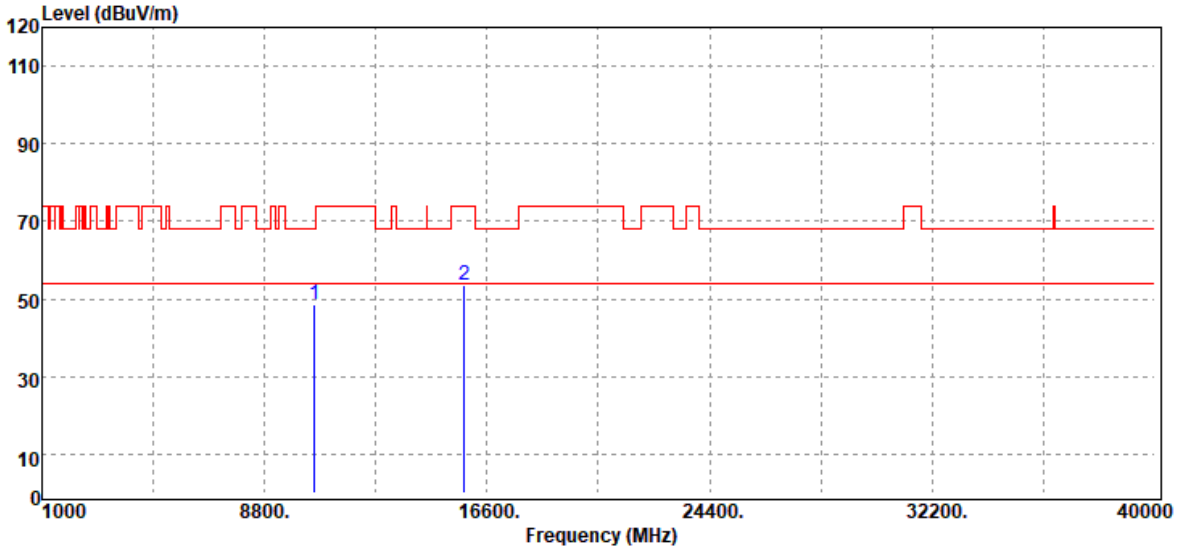
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.14	18.34	48.48	68.20	-19.72
15810.00	Peak	30.11	23.31	53.42	74.00	-20.58
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.

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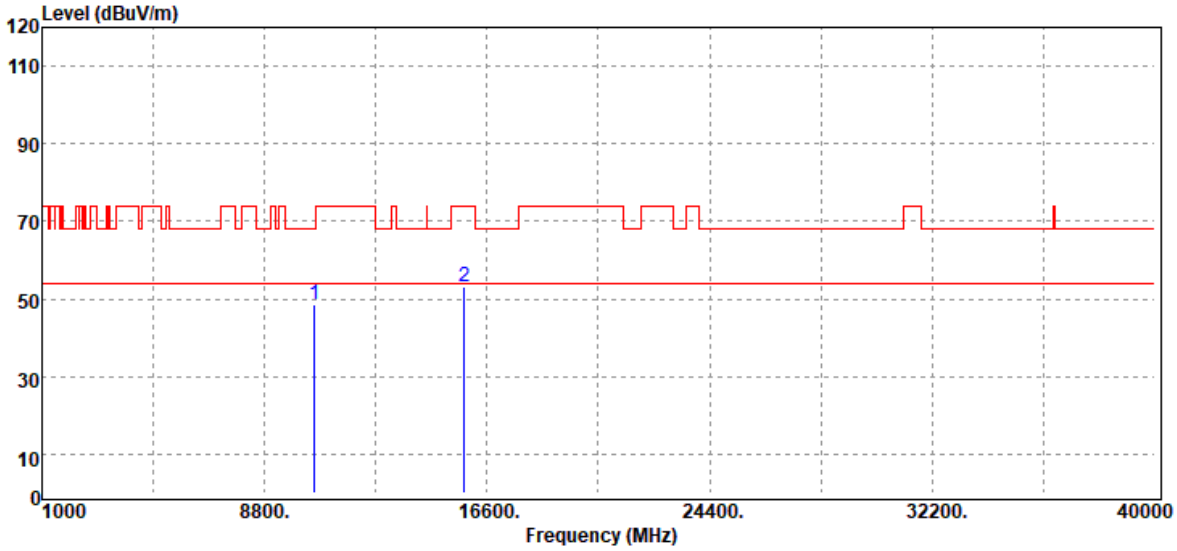
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.15	18.34	48.49	68.20	-19.71
15810.00	Peak	29.77	23.31	53.08	74.00	-20.92
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.

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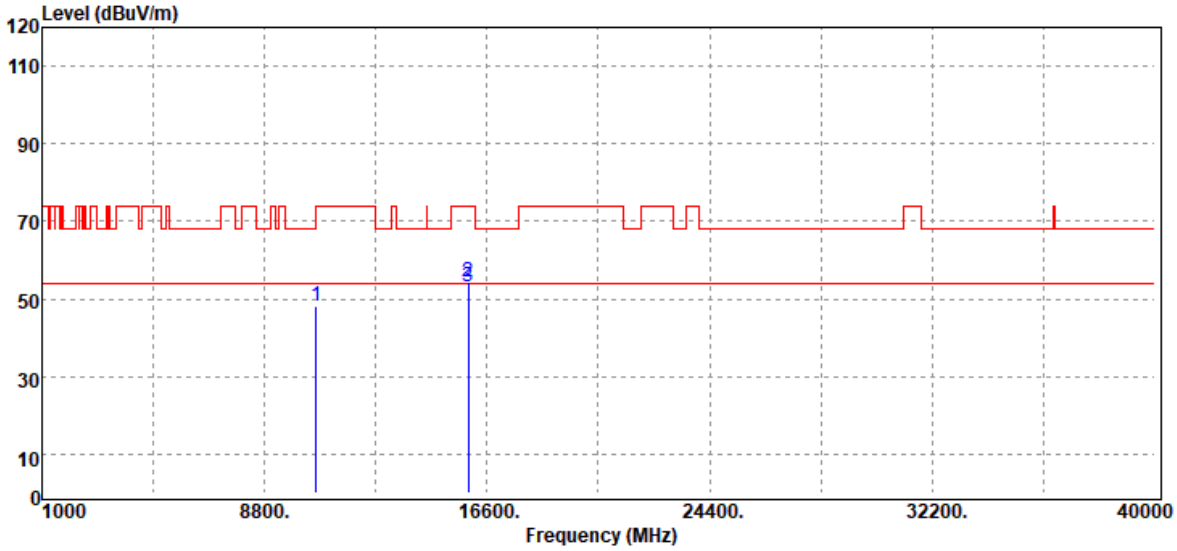
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



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	29.65	18.35	48.00	74.00	-26.00
15930.00	Peak	30.14	24.44	54.58	74.00	-19.42
15930.00	Average	28.51	24.44	52.95	54.00	-1.05
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.

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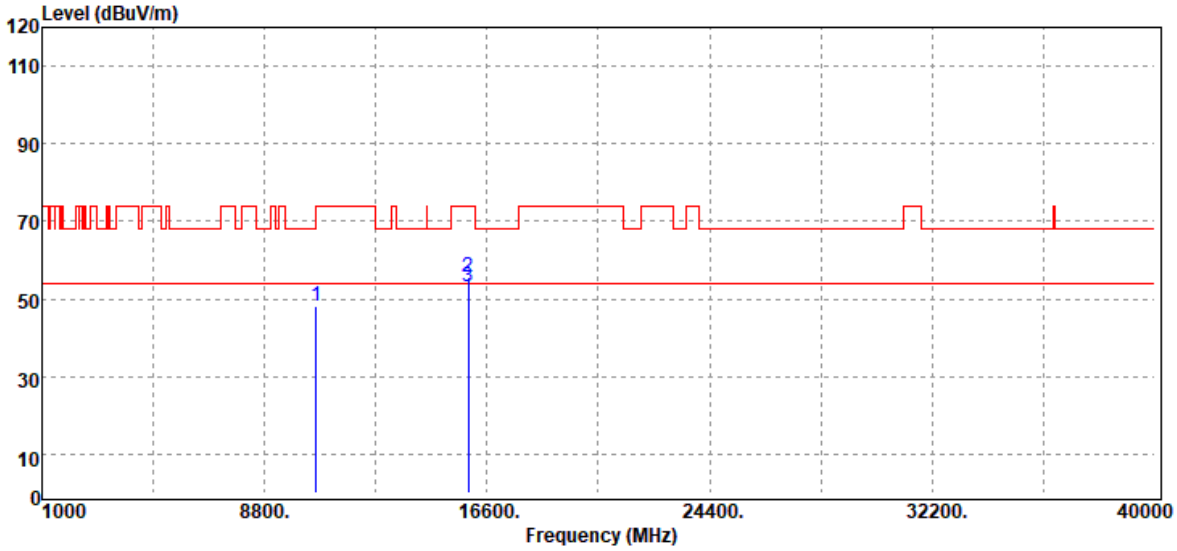
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



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	29.81	18.35	48.16	74.00	-25.84
15930.00	Peak	31.21	24.44	55.65	74.00	-18.35
15930.00	Average	28.57	24.44	53.01	54.00	-0.99
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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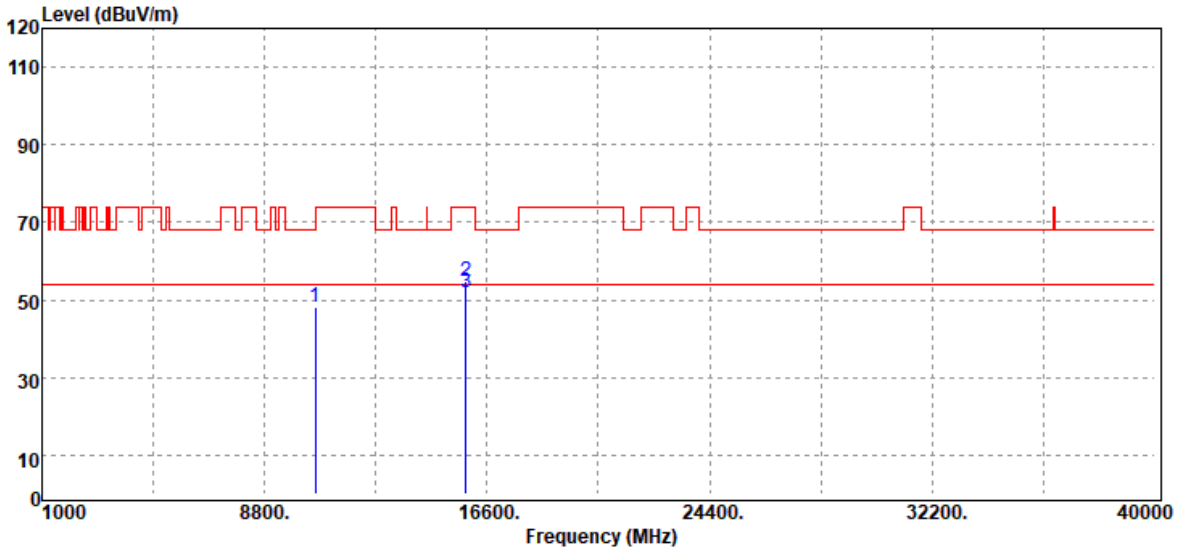
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5290 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10580.00	Peak	29.74	18.34	48.08	68.20	-20.12
15870.00	Peak	30.87	23.91	54.78	74.00	-19.22
15870.00	Average	28.14	23.91	52.05	54.00	-1.95
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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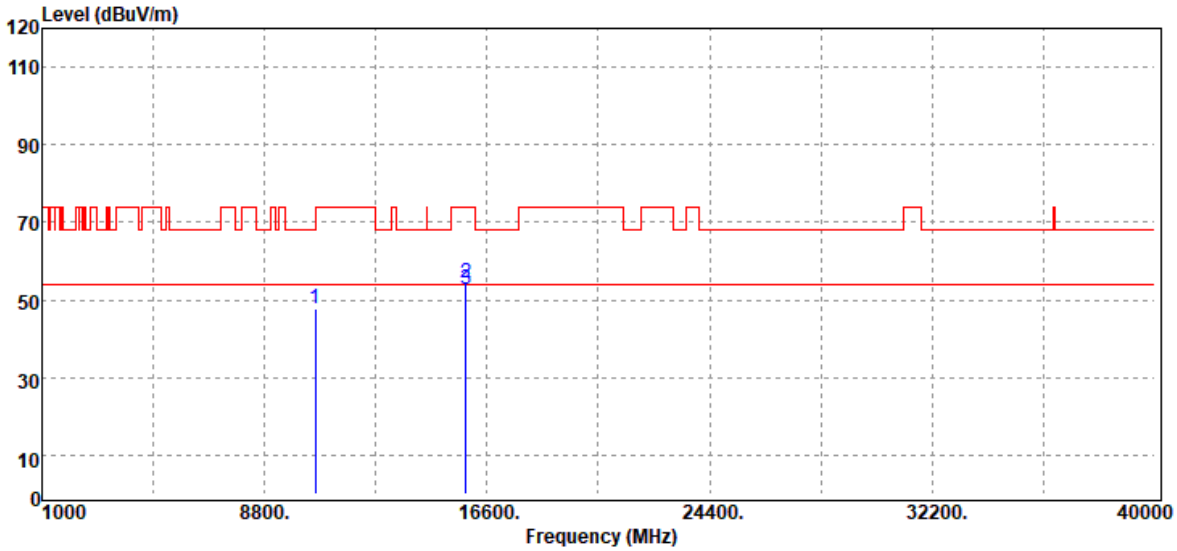
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5290 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10580.00	Peak	29.29	18.34	47.63	68.20	-20.57
15870.00	Peak	30.66	23.91	54.57	74.00	-19.43
15870.00	Average	28.86	23.91	52.77	54.00	-1.23
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

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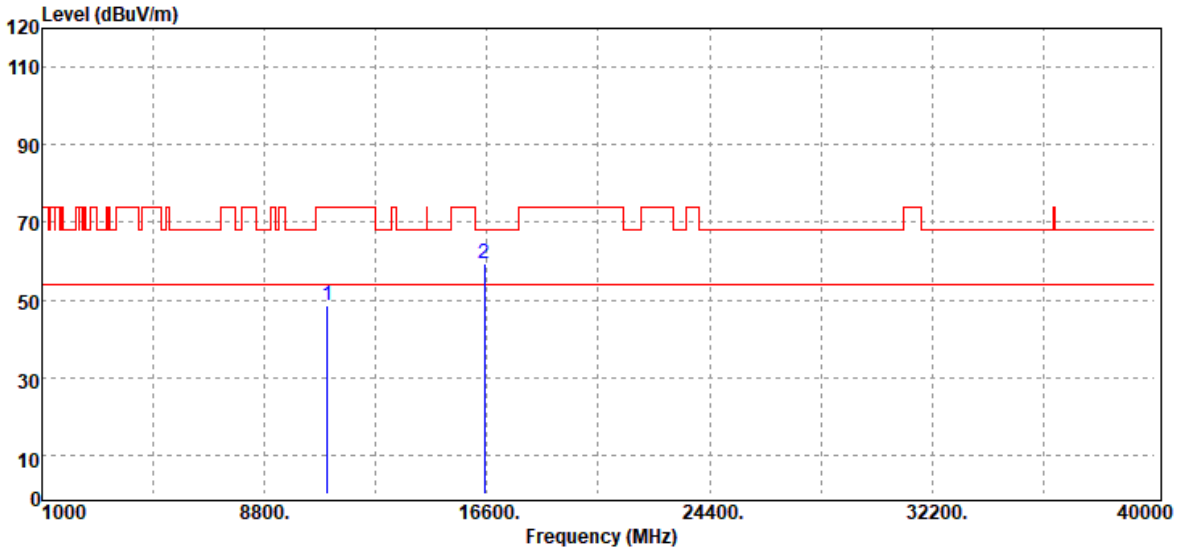
Report No.: TMWK2108000371KR

Test Data for UNII-2c

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	29.54	19.20	48.74	74.00	-25.26
16500.00	Peak	30.56	28.82	59.38	68.20	-8.82
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.

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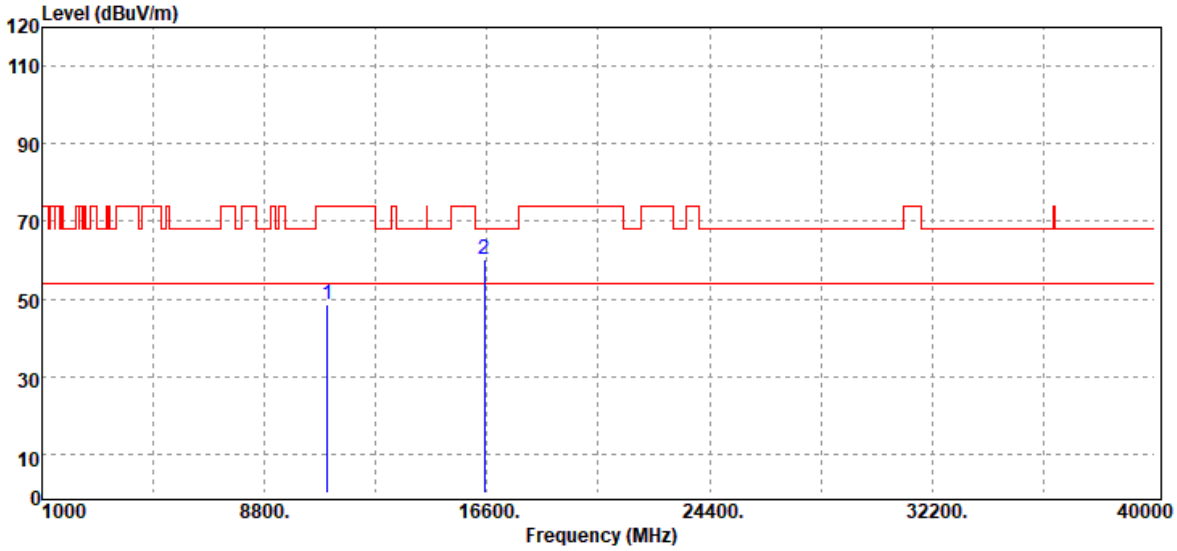
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	29.58	19.20	48.78	74.00	-25.22
16500.00	Peak	31.32	28.82	60.14	68.20	-8.06
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.

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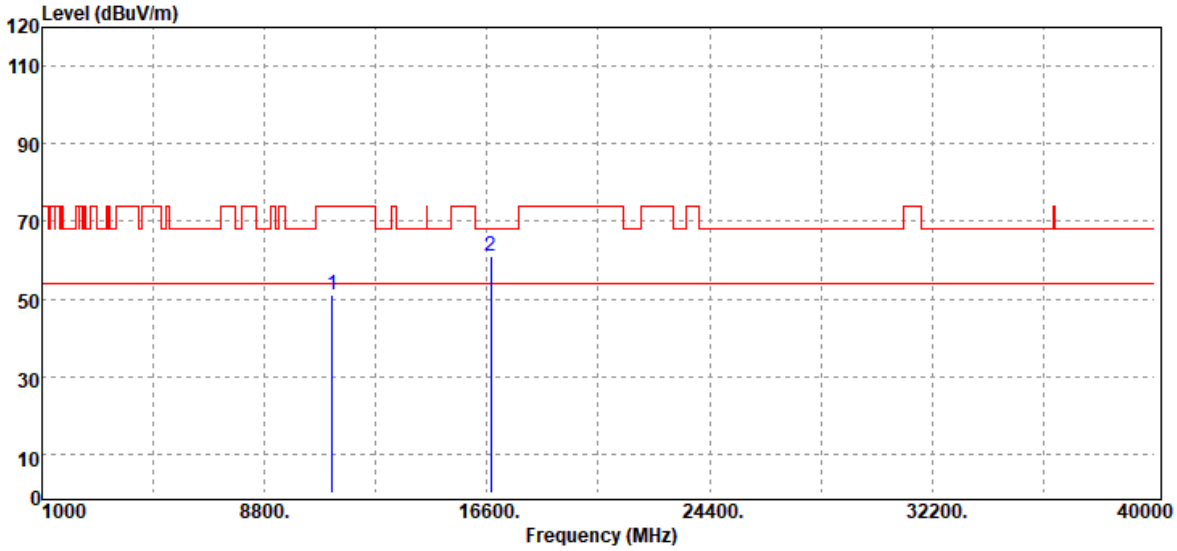
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	31.62	19.54	51.16	74.00	-22.84
16740.00	Peak	30.66	30.51	61.17	68.20	-7.03
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.

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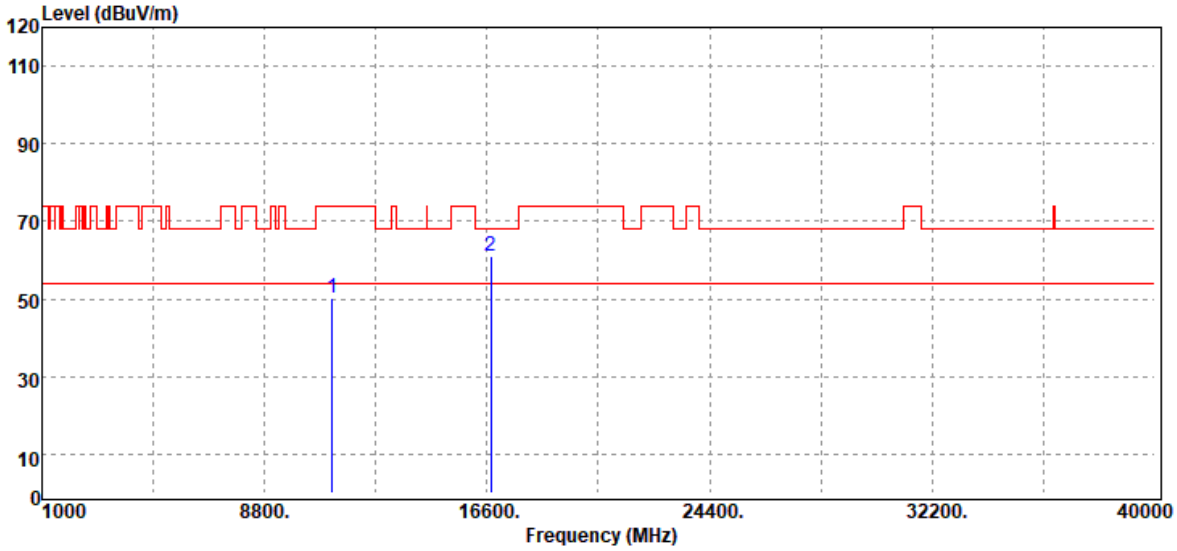
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	30.79	19.54	50.33	74.00	-23.67
16740.00	Peak	30.71	30.51	61.22	68.20	-6.98
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.

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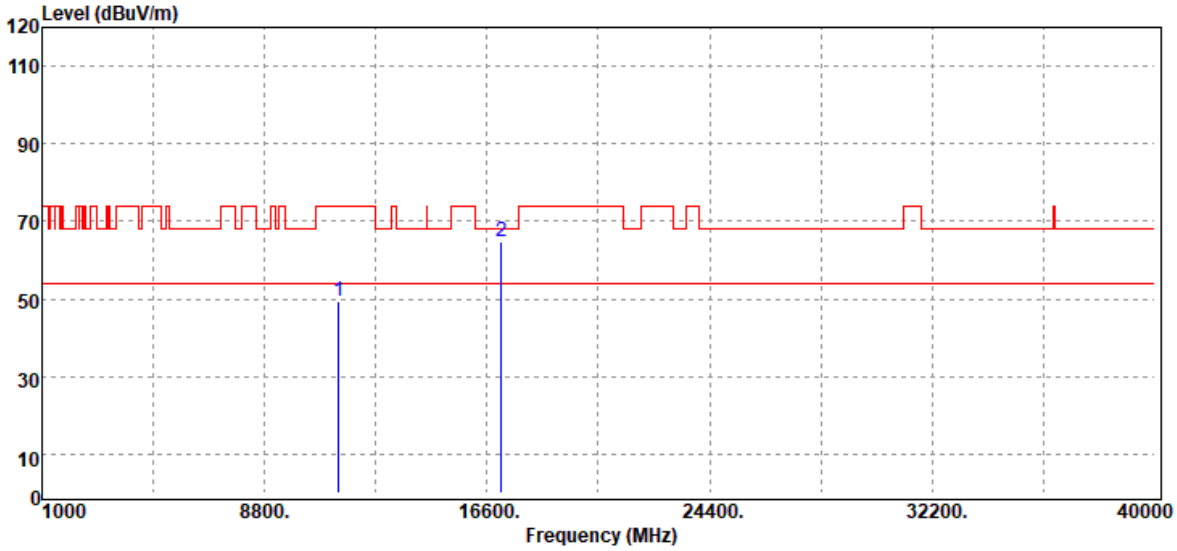
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	30.25	19.03	49.28	74.00	-24.72
17100.00	Peak	30.61	34.03	64.64	68.20	-3.56
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.

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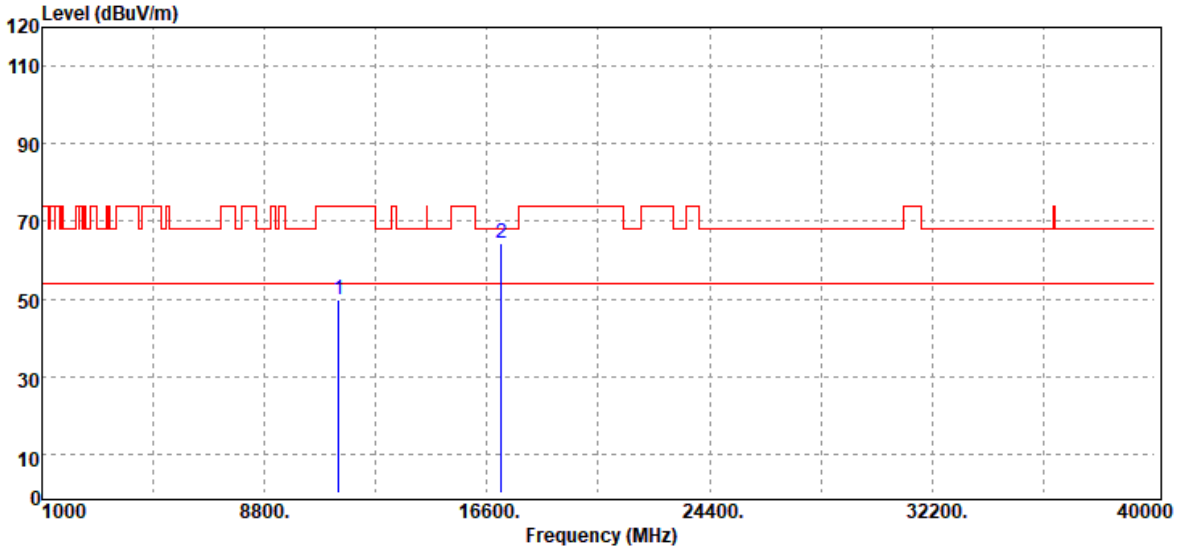
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	30.62	19.03	49.65	74.00	-24.35
17100.00	Peak	30.16	34.03	64.19	68.20	-4.01
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.

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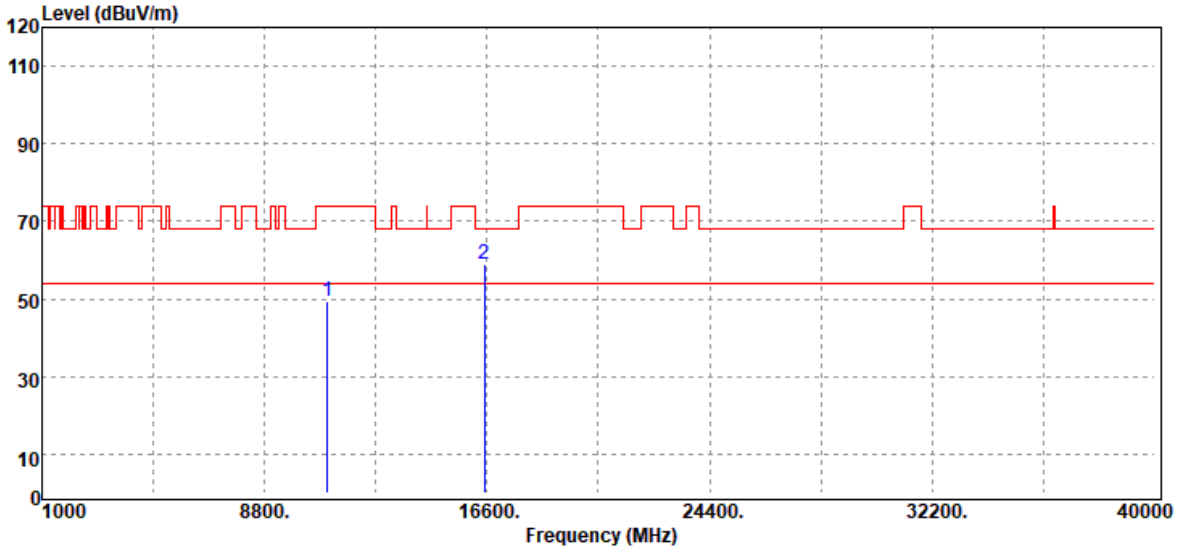
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5500 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.12	19.20	49.32	74.00	-24.68
16500.00	Peak	30.24	28.82	59.06	68.20	-9.14
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.

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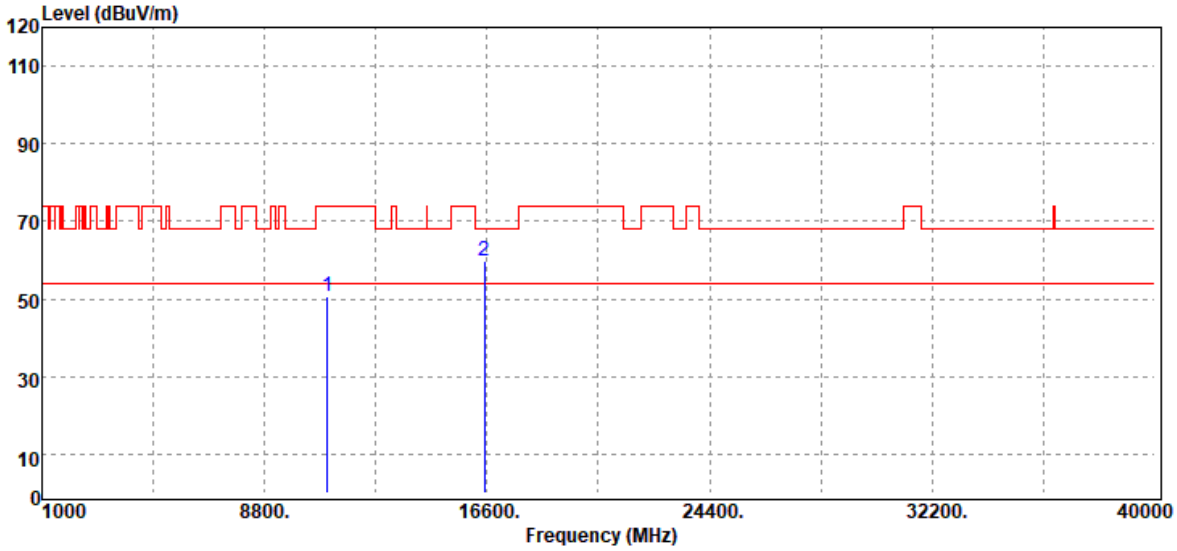
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5500 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	31.25	19.20	50.45	74.00	-23.55
16500.00	Peak	31.00	28.82	59.82	68.20	-8.38
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.

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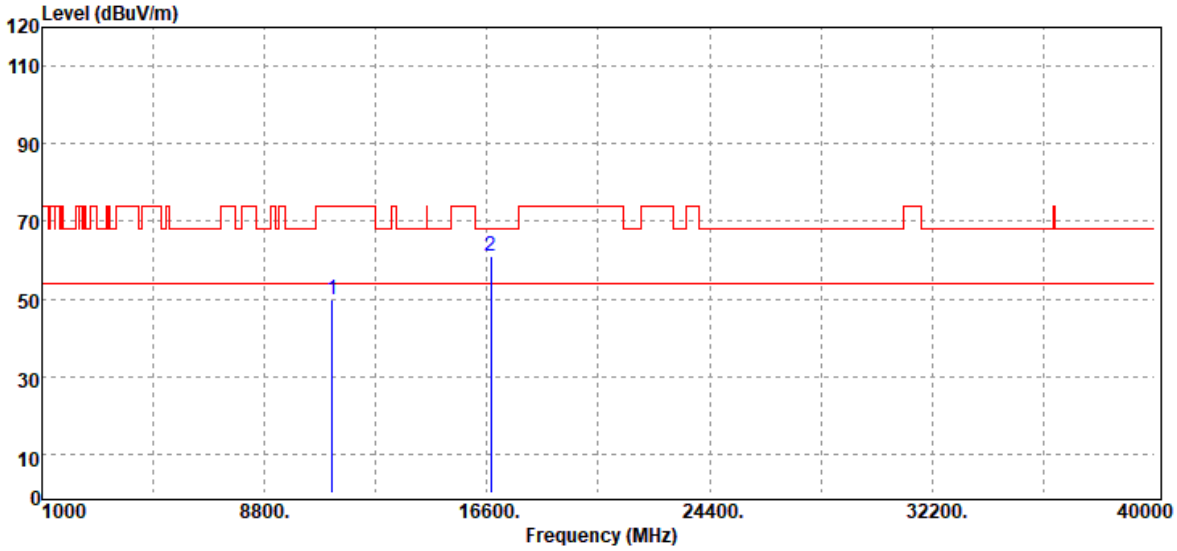
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5580 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.24	19.54	49.78	74.00	-24.22
16740.00	Peak	30.43	30.51	60.94	68.20	-7.26
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.

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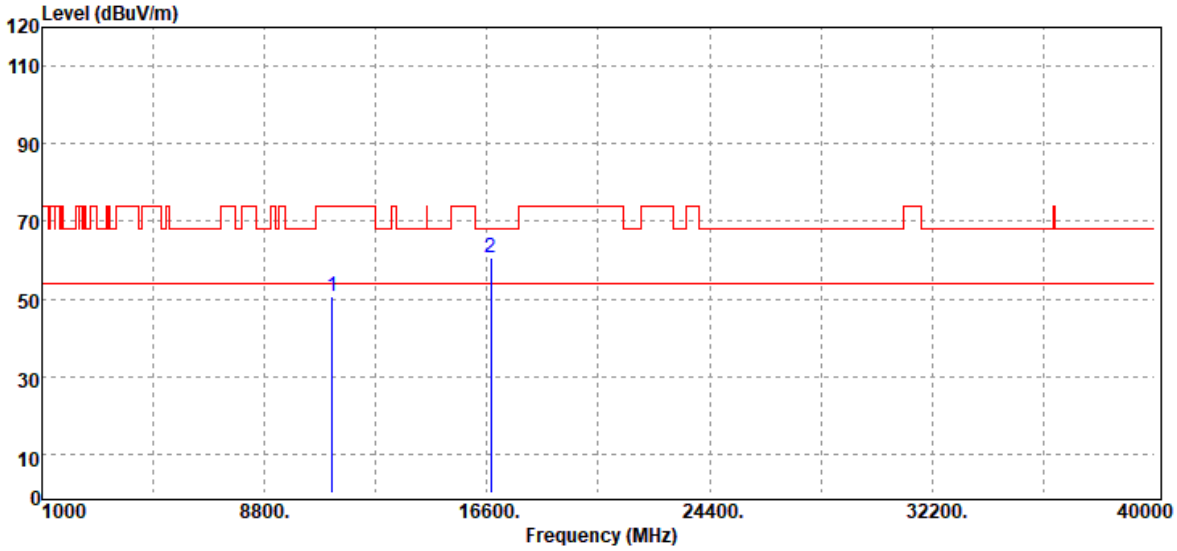
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5580 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	31.10	19.54	50.64	74.00	-23.36
16740.00	Peak	30.04	30.51	60.55	68.20	-7.65
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.

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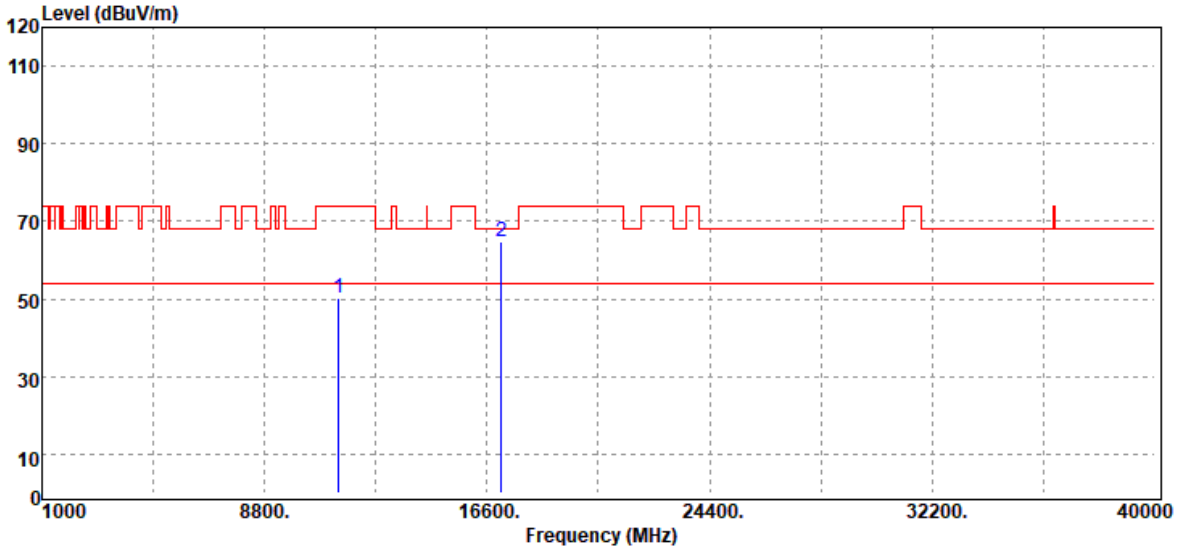
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	31.05	19.03	50.08	74.00	-23.92
17100.00	Peak	30.58	34.03	64.61	68.20	-3.59
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.

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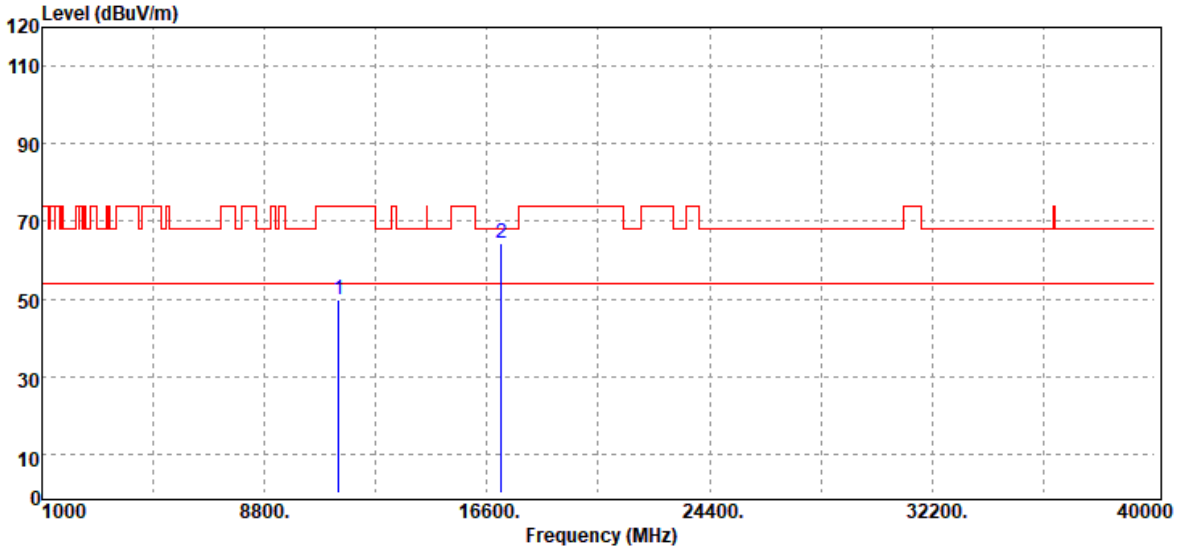
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.78	19.03	49.81	74.00	-24.19
17100.00	Peak	30.53	34.03	64.56	68.20	-3.64
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.

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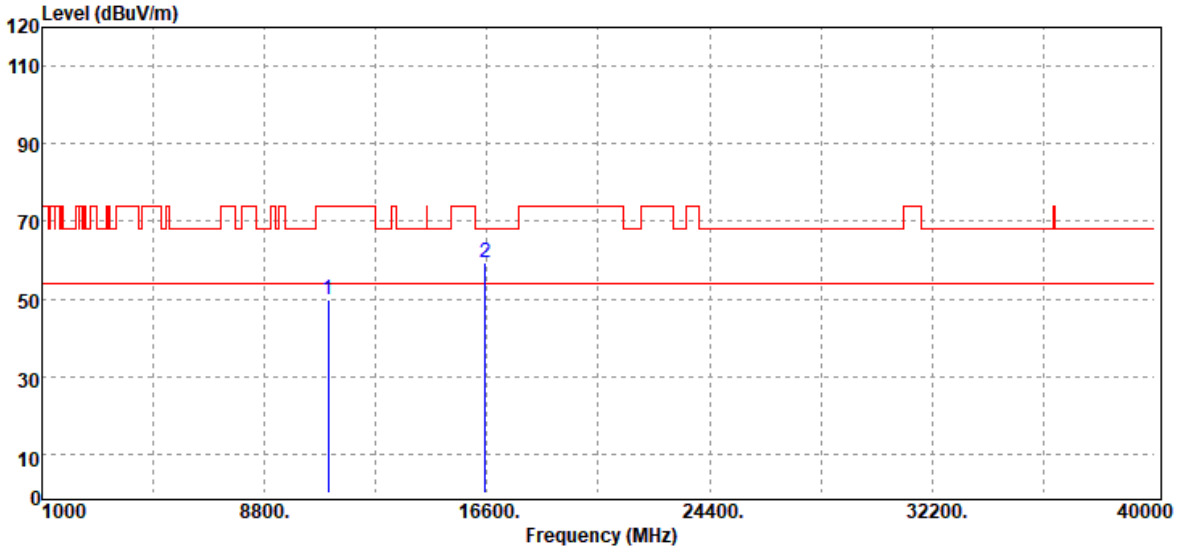
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.50	19.26	49.76	74.00	-24.24
16530.00	Peak	30.24	29.02	59.26	68.20	-8.94
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.

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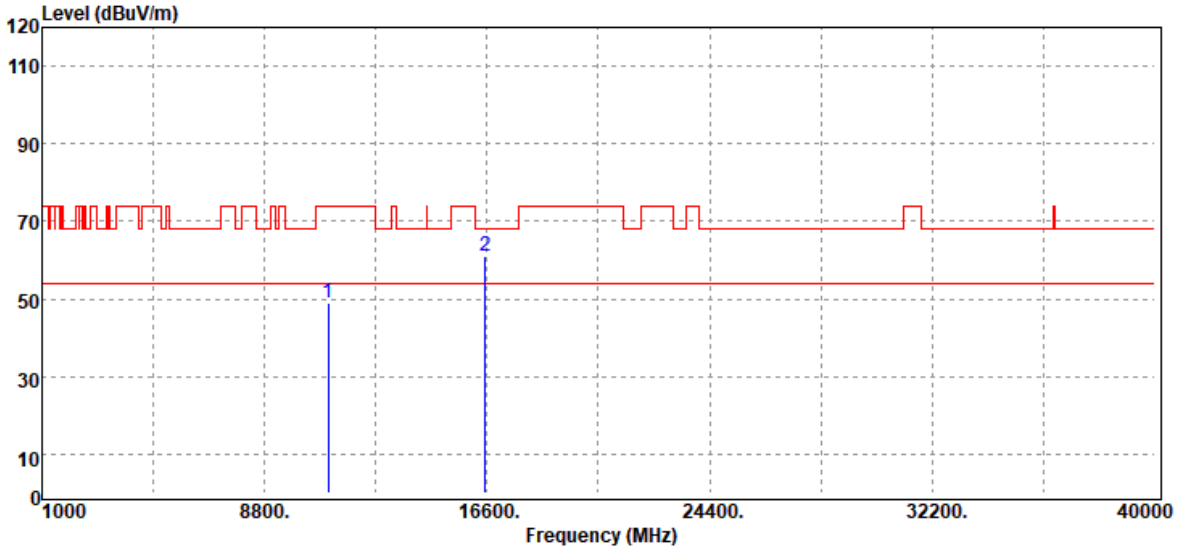
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	29.72	19.26	48.98	74.00	-25.02
16530.00	Peak	32.05	29.02	61.07	68.20	-7.13
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.

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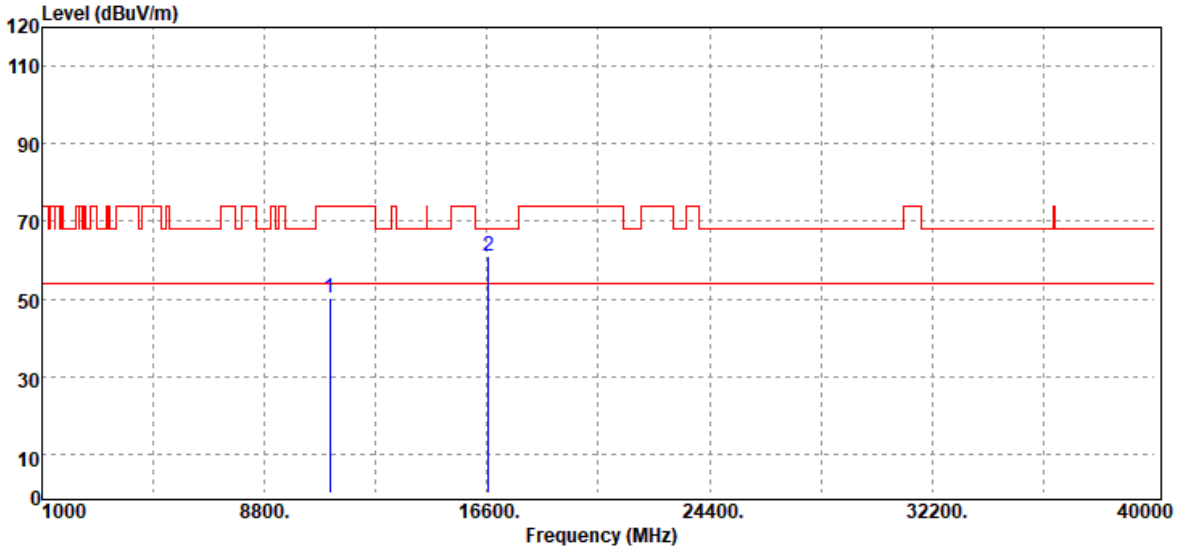
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.54	19.58	50.12	74.00	-23.88
16650.00	Peak	31.49	29.44	60.93	68.20	-7.27
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.

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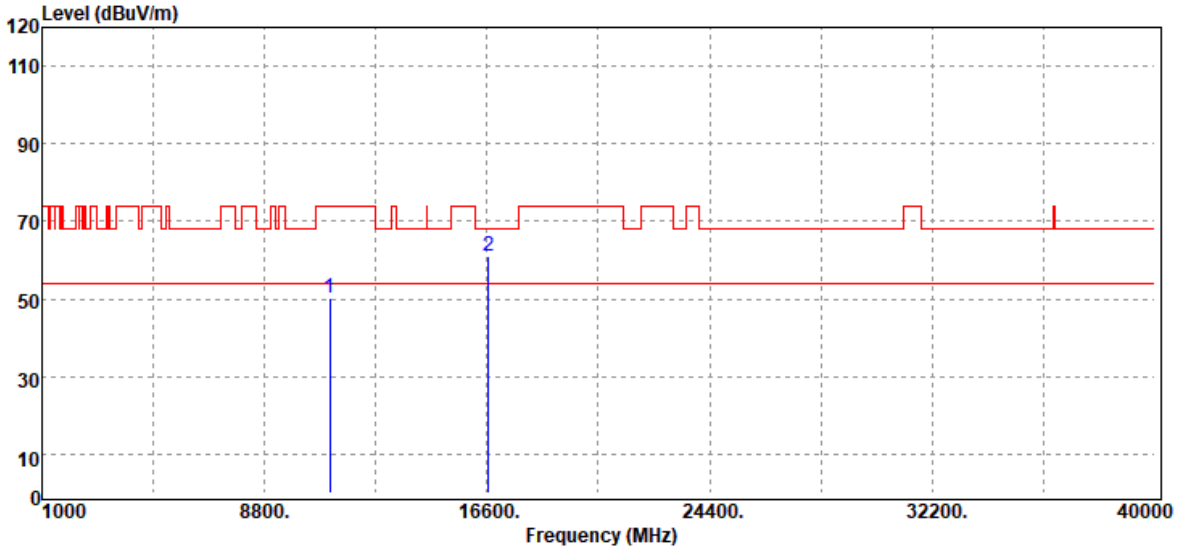
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.49	19.58	50.07	74.00	-23.93
16650.00	Peak	31.69	29.44	61.13	68.20	-7.07
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.

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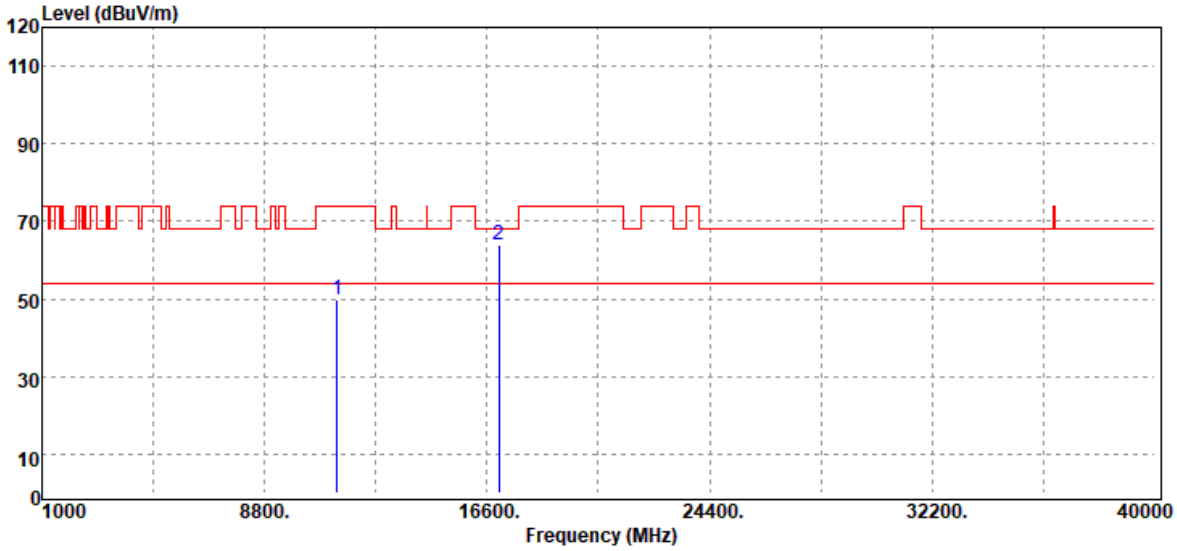
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.43	19.28	49.71	74.00	-24.29
17010.00	Peak	29.83	33.96	63.79	68.20	-4.41
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.

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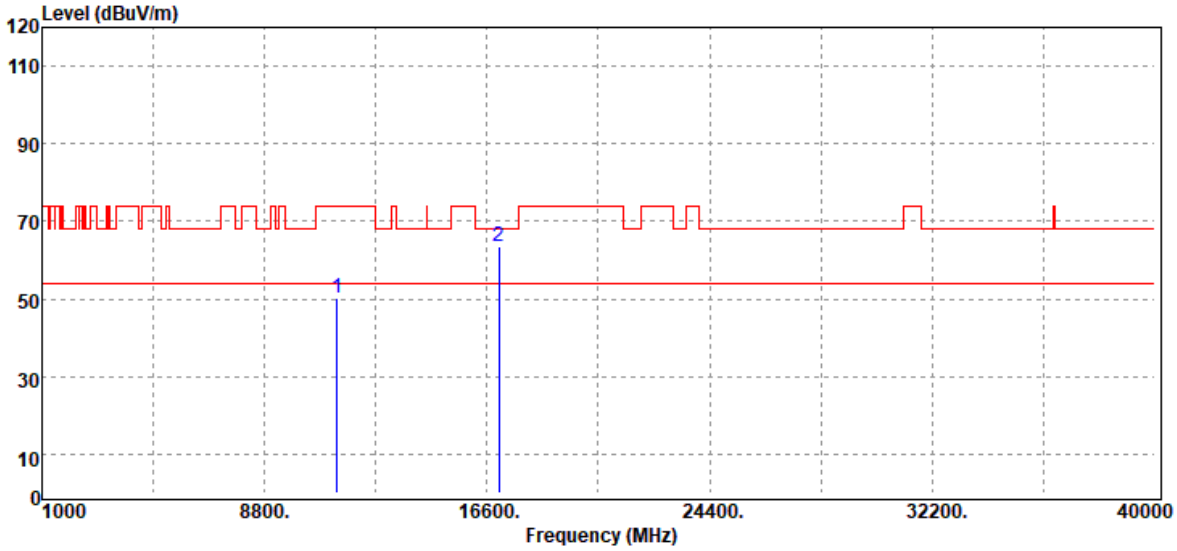
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.80	19.28	50.08	74.00	-23.92
17010.00	Peak	29.77	33.96	63.73	68.20	-4.47
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.

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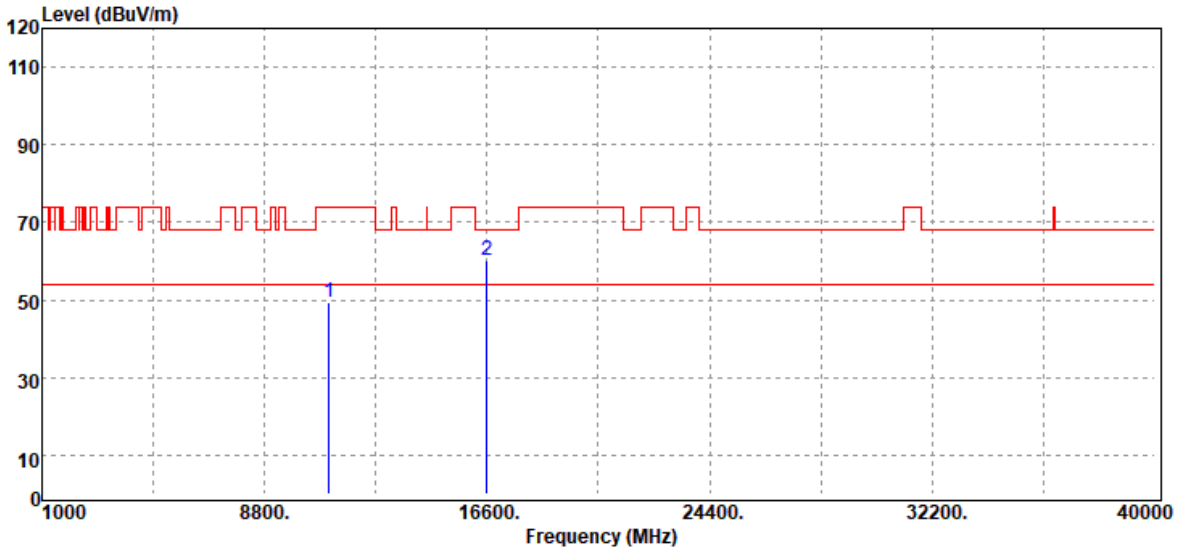
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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
11060.00	Peak	30.02	19.40	49.42	74.00	-24.58
16590.00	Peak	31.00	29.21	60.21	68.20	-7.99
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.

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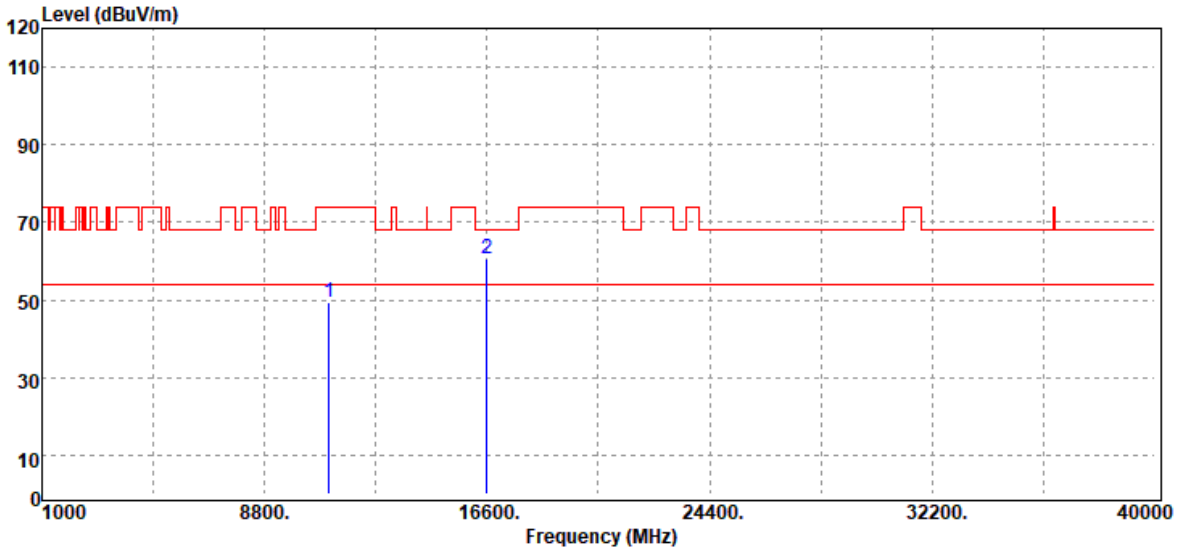
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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
11060.00	Peak	30.07	19.40	49.47	74.00	-24.53
16590.00	Peak	31.22	29.21	60.43	68.20	-7.77
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.

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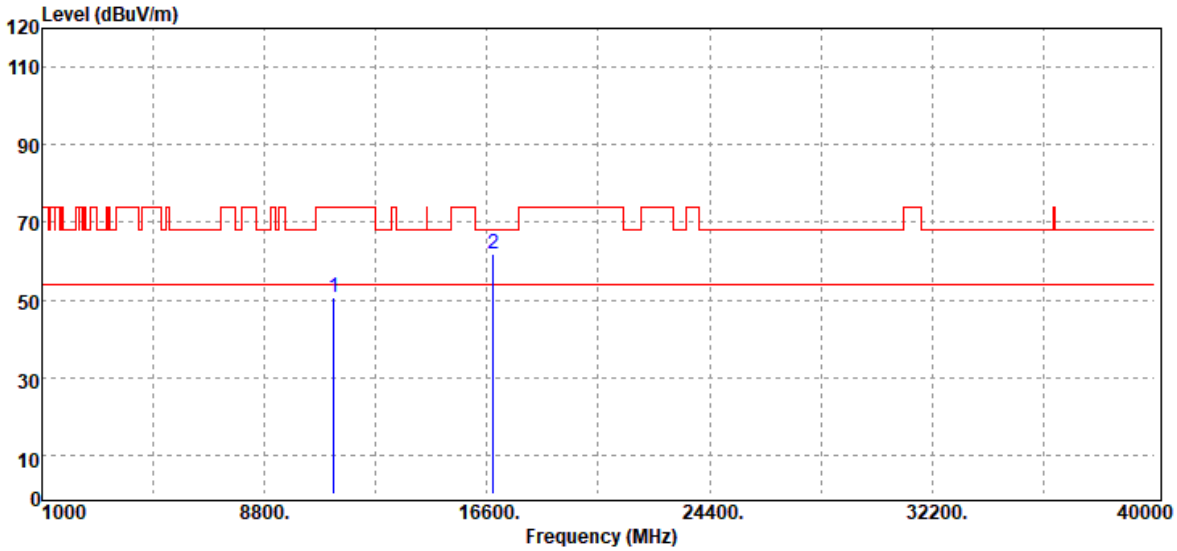
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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
11220.00	Peak	31.05	19.51	50.56	74.00	-23.44
16830.00	Peak	30.34	31.58	61.92	68.20	-6.28
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.

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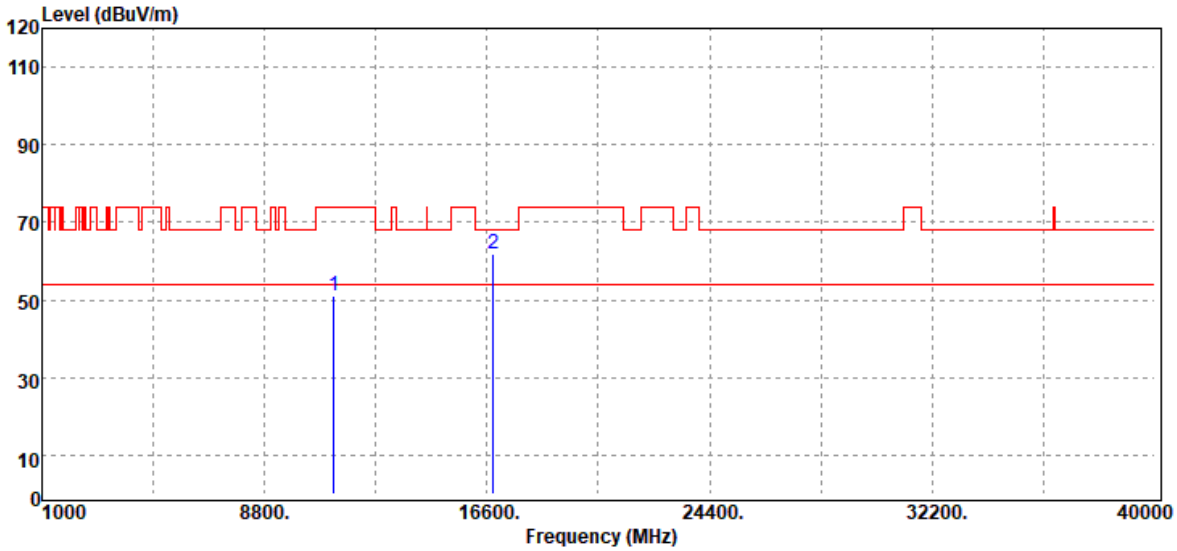
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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
11220.00	Peak	31.48	19.51	50.99	74.00	-23.01
16830.00	Peak	30.21	31.58	61.79	68.20	-6.41
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.

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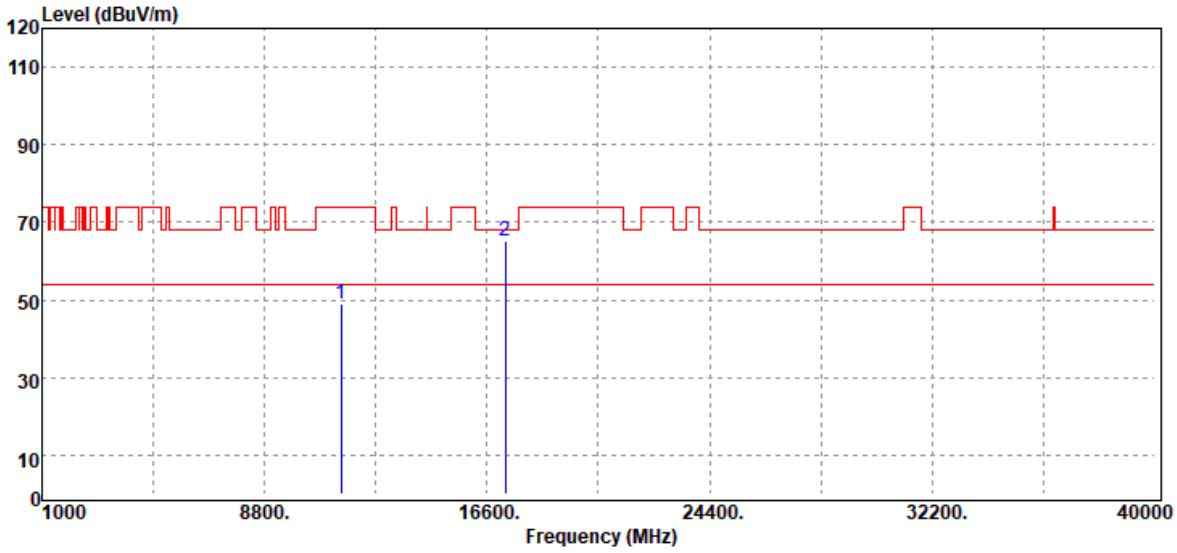
Report No.: TMWK2108000371KR

Test Data for UNII-3

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 24, 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	29.71	19.13	48.84	74.00	-25.16
17235.00	Peak	31.10	33.97	65.07	68.20	-3.13
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.

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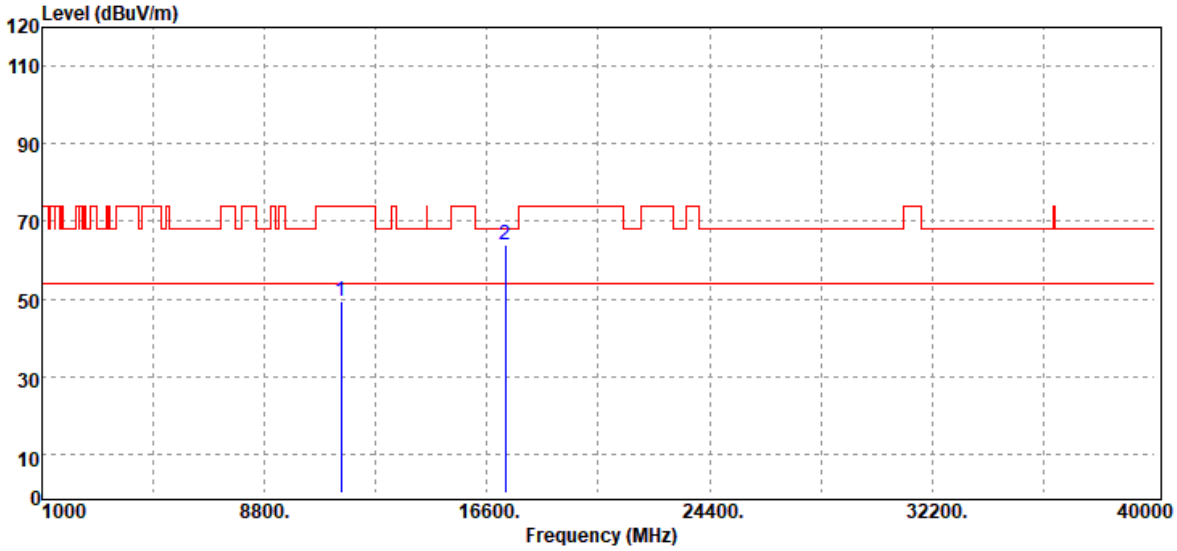
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	23.5(℃)/ 59%RH
Test Item	Harmonic	Test Date	August 25, 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	30.13	19.13	49.26	74.00	-24.74
17235.00	Peak	29.87	33.97	63.84	68.20	-4.36
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.

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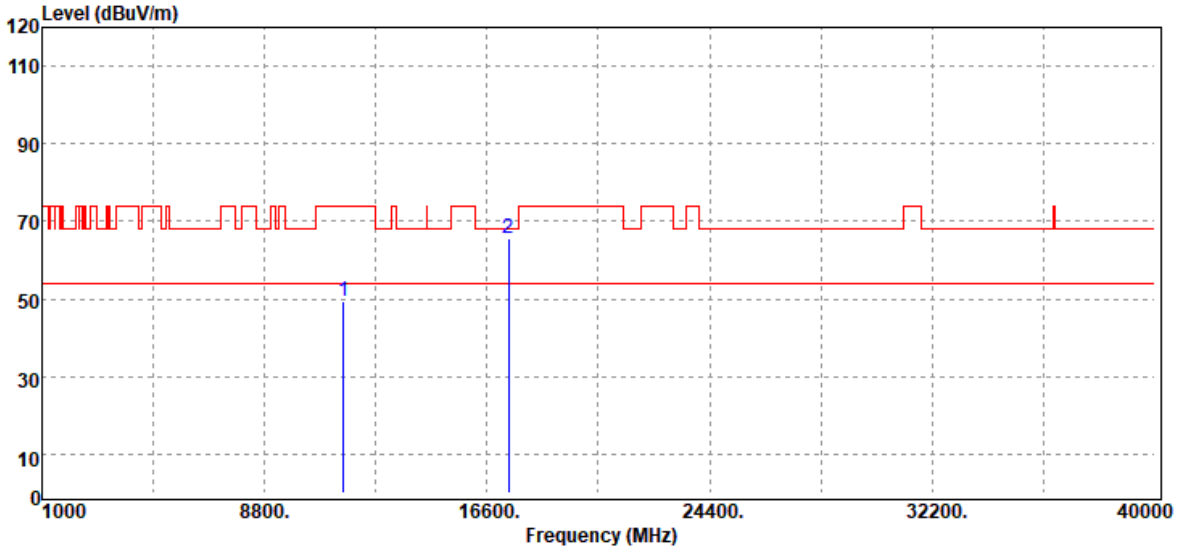
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5785 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.24	19.04	49.28	74.00	-24.72
17355.00	Peak	30.96	34.47	65.43	68.20	-2.77
N/A						

Remark:

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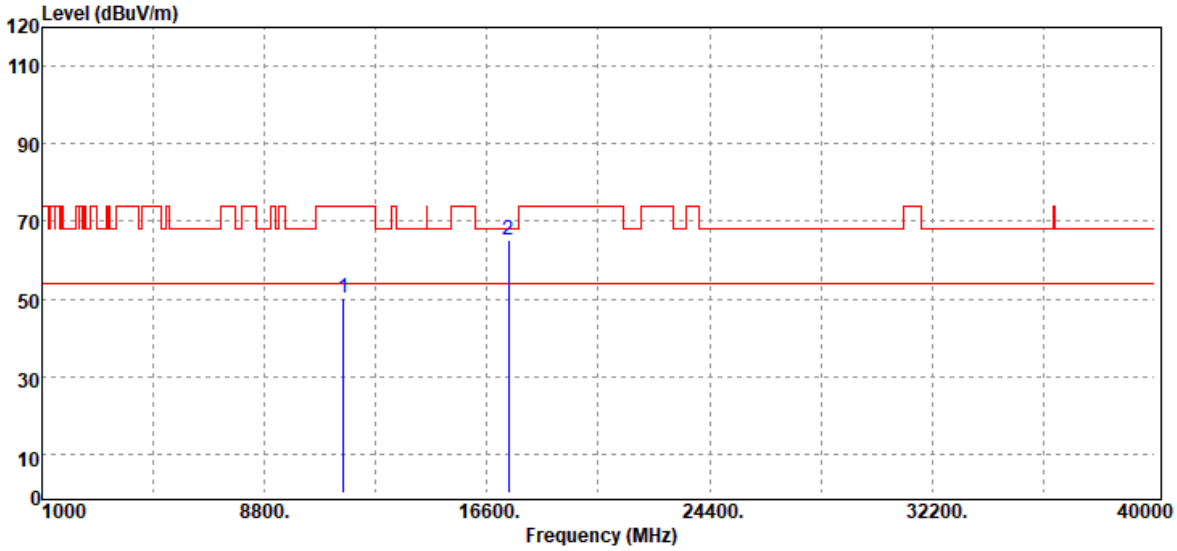
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5785 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	31.30	19.04	50.34	74.00	-23.66
17355.00	Peak	30.52	34.47	64.99	68.20	-3.21
N/A						

Remark:

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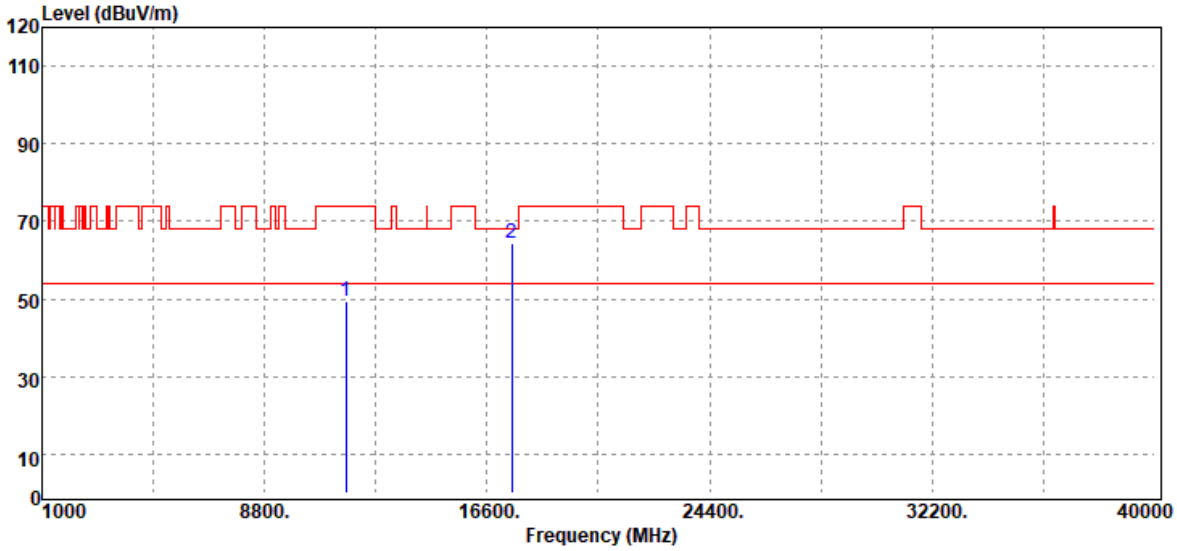
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.12	19.14	49.26	74.00	-24.74
17475.00	Peak	29.91	34.30	64.21	68.20	-3.99
N/A						

Remark:

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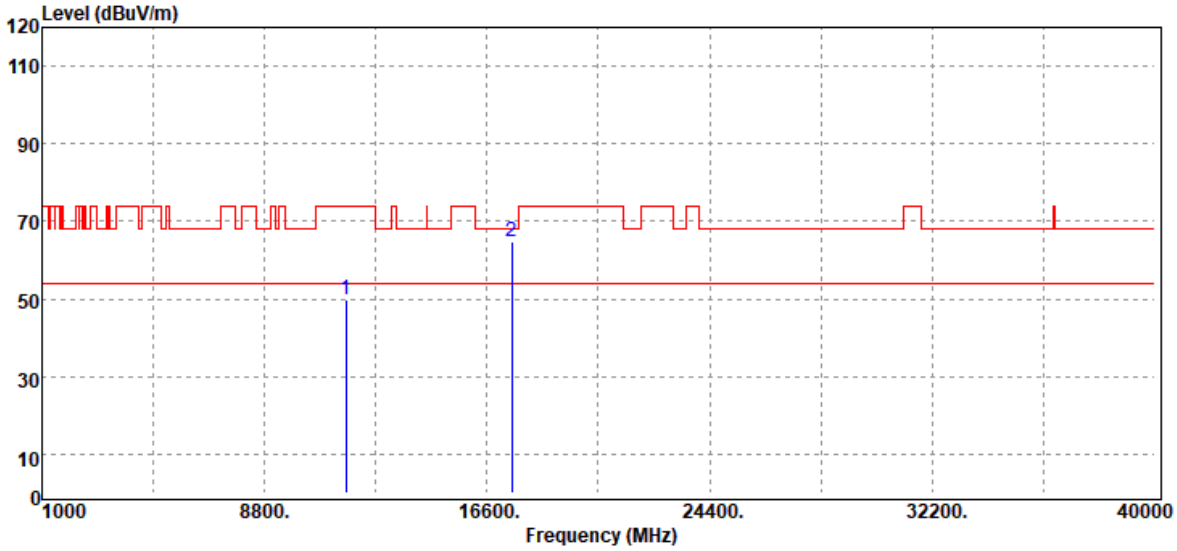
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.83	19.14	49.97	74.00	-24.03
17475.00	Peak	30.27	34.30	64.57	68.20	-3.63
N/A						

Remark:

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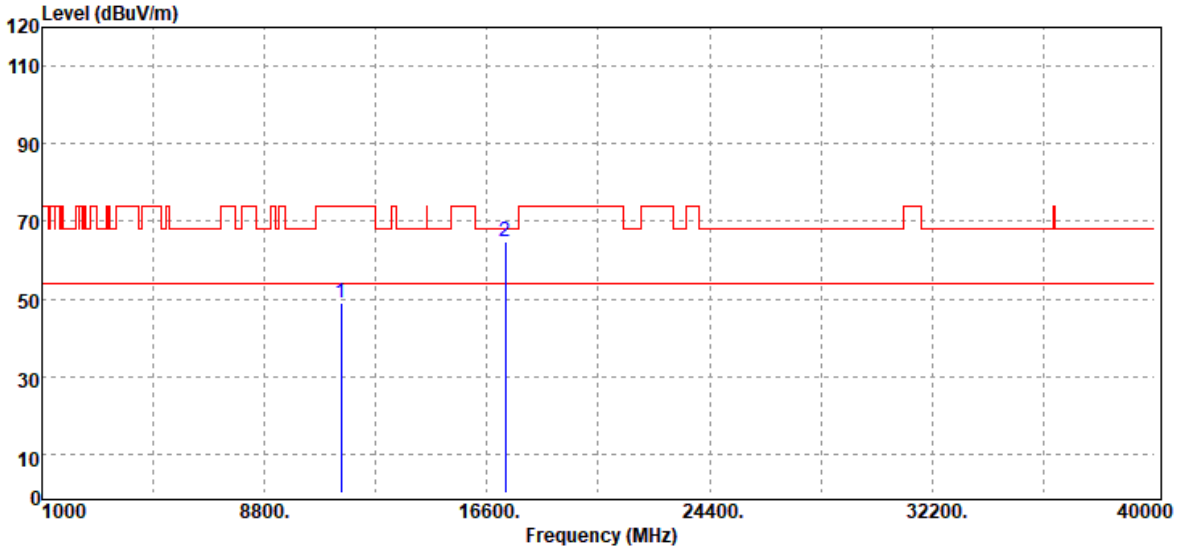
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.01	19.13	49.14	74.00	-24.86
17235.00	Peak	30.80	33.97	64.77	68.20	-3.43
N/A						

Remark:

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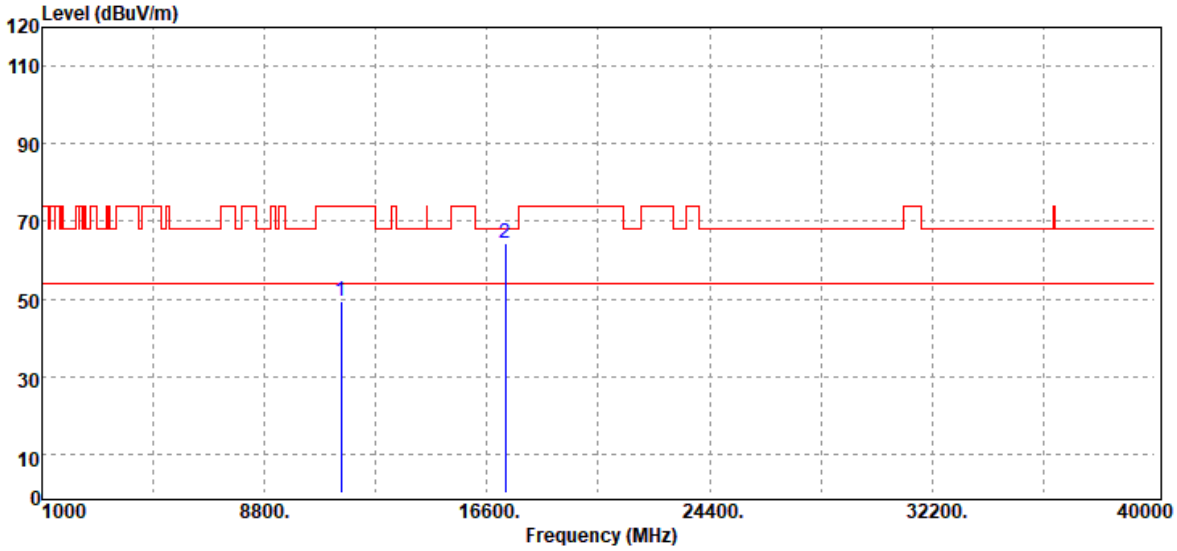
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.17	19.13	49.30	74.00	-24.70
17235.00	Peak	30.35	33.97	64.32	68.20	-3.88
N/A						

Remark:

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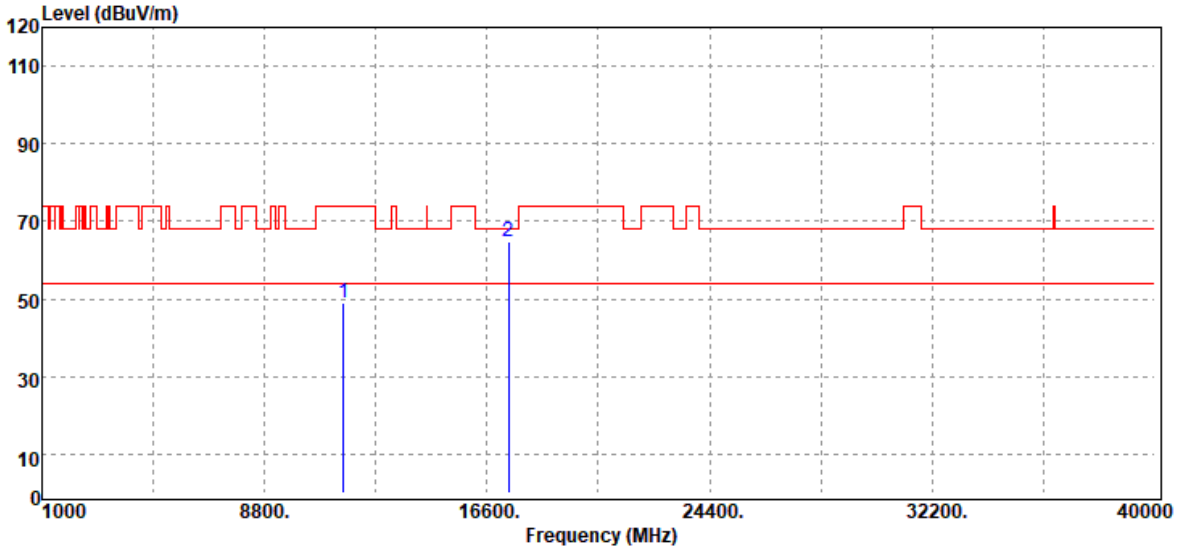
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz/ 5785 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	29.75	19.04	48.79	74.00	-25.21
17355.00	Peak	30.13	34.47	64.60	68.20	-3.60
N/A						

Remark:

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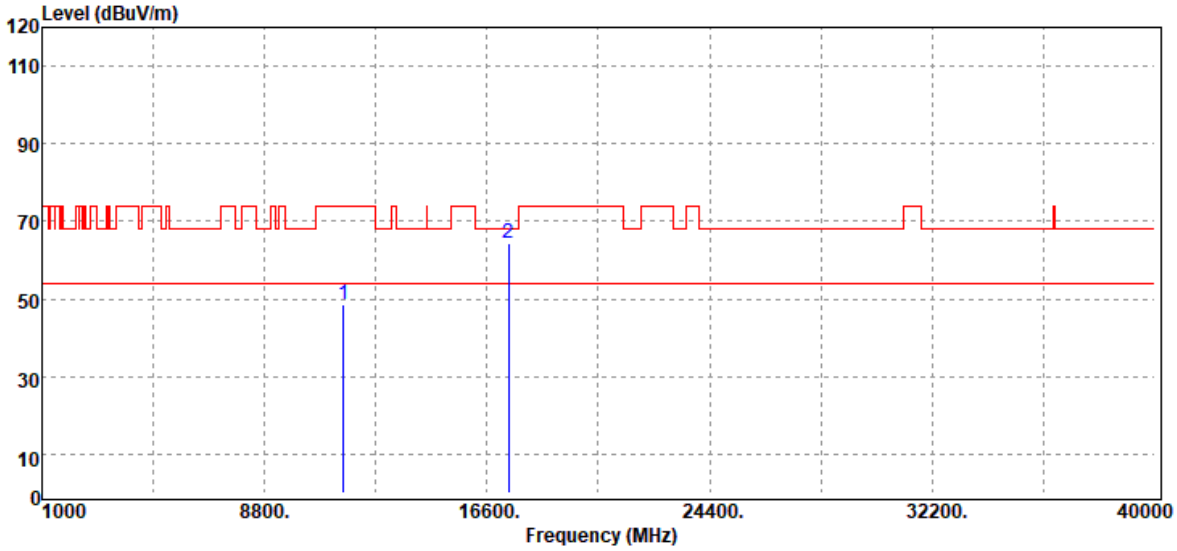
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz/ 5785 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	29.54	19.04	48.58	74.00	-25.42
17355.00	Peak	30.05	34.47	64.52	68.20	-3.68
N/A						

Remark:

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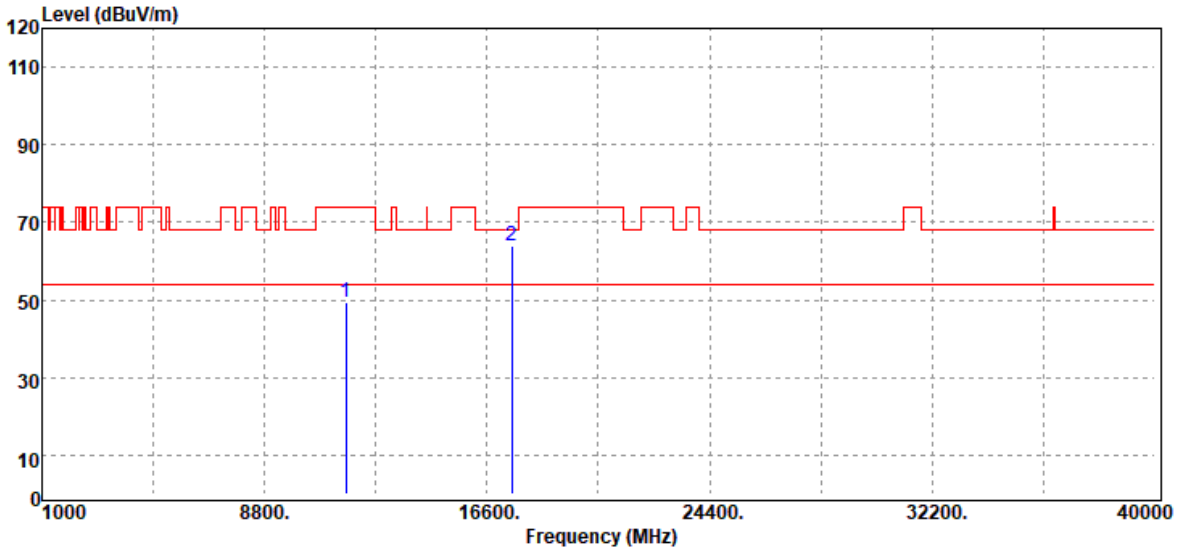
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz/ 5825 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.30	19.14	49.44	74.00	-24.56
17475.00	Peak	29.76	34.30	64.06	68.20	-4.14
N/A						

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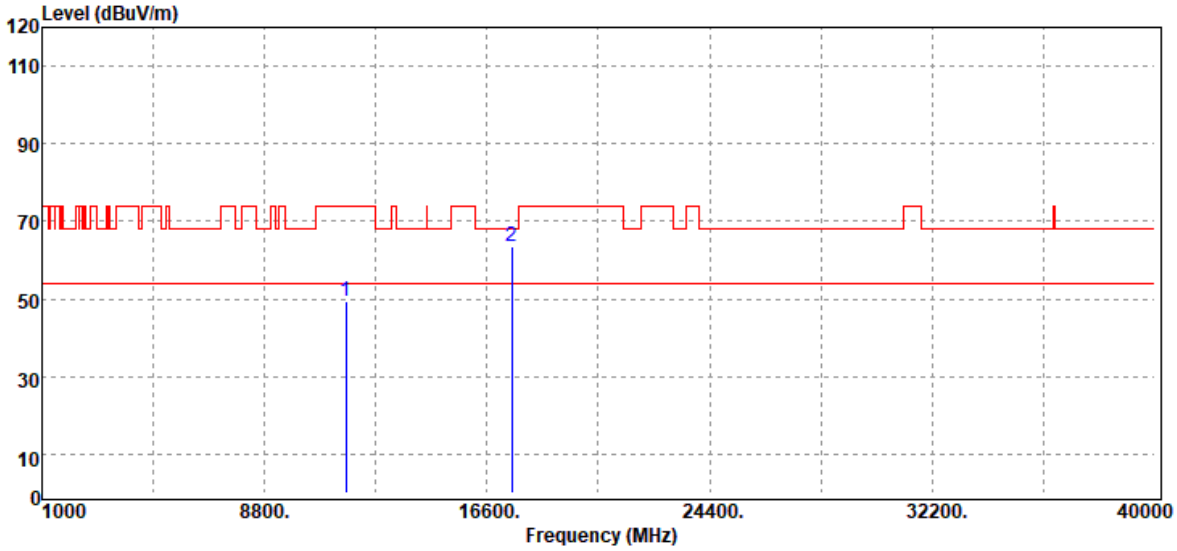
Report No.: TMWK2108000371KR

Test Mode	IEEE 802.11n 20 MHz/ 5825 MHz	Temp/Hum	23.9(℃)/ 62%RH
Test Item	Harmonic	Test Date	August 25, 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	30.38	19.14	49.52	74.00	-24.48
17475.00	Peak	29.08	34.30	63.38	68.20	-4.82
N/A						

Remark:

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