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 and section 6.2.4.2

Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Above 30 MHz

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

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

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

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

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

Frequency	Magnetic field strength (H-Field) (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

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：

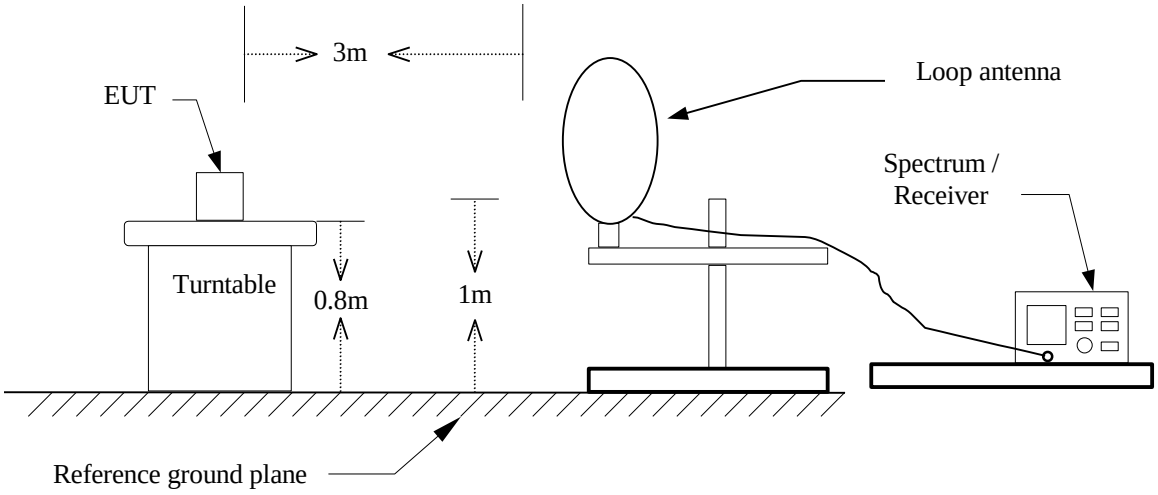
(2.1) For Peak measurement：RBW = 1MHz, VBW ≥ 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.

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

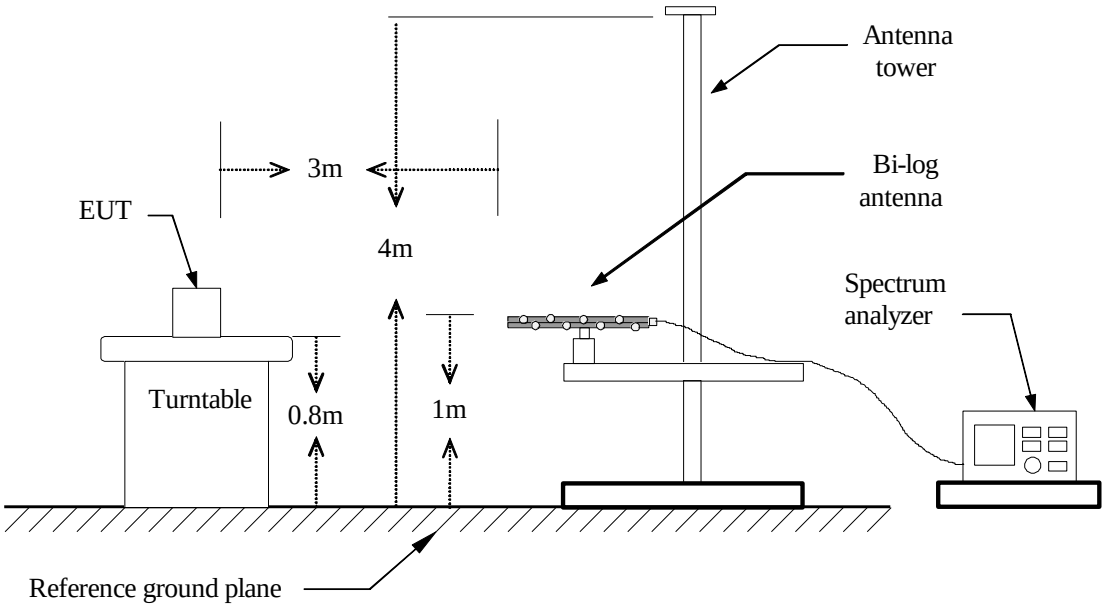
- If Duty Cycle ≥ 98%, VBW=10Hz.
- If Duty Cycle < 98%, VBW=1/T.

4.5.3 Test Setup

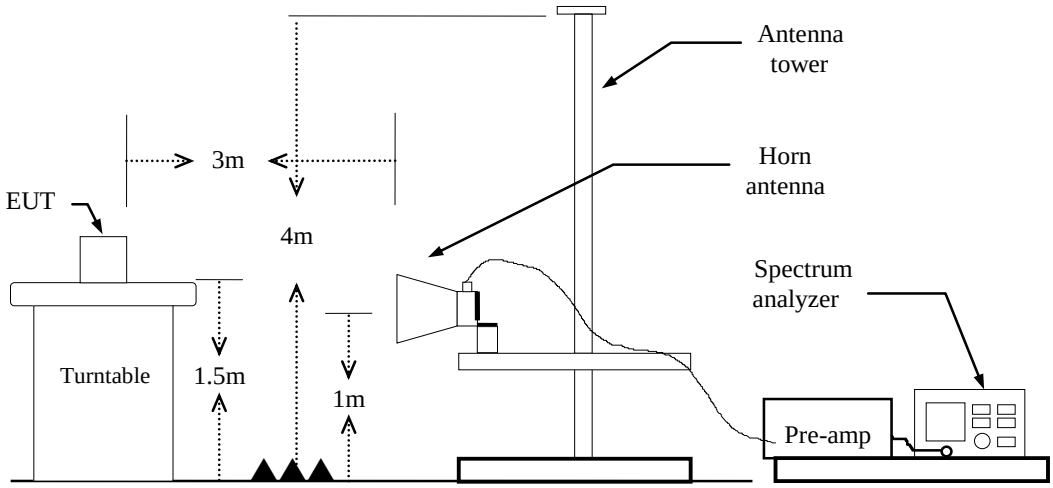
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz



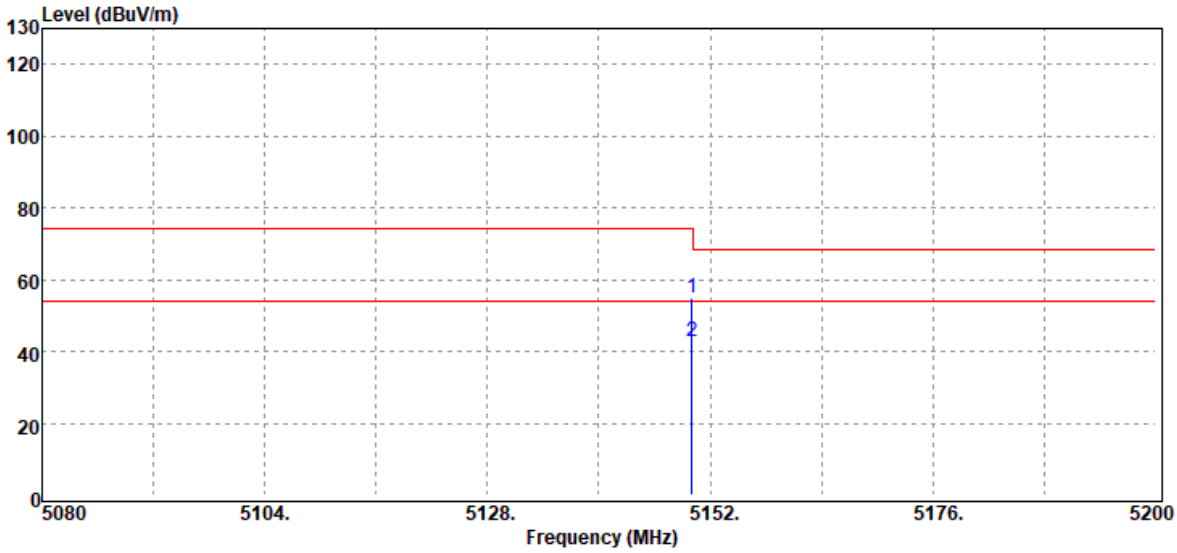
4.5.4 Test Result

Type: Dipole Antenna

Band Edge Test Data

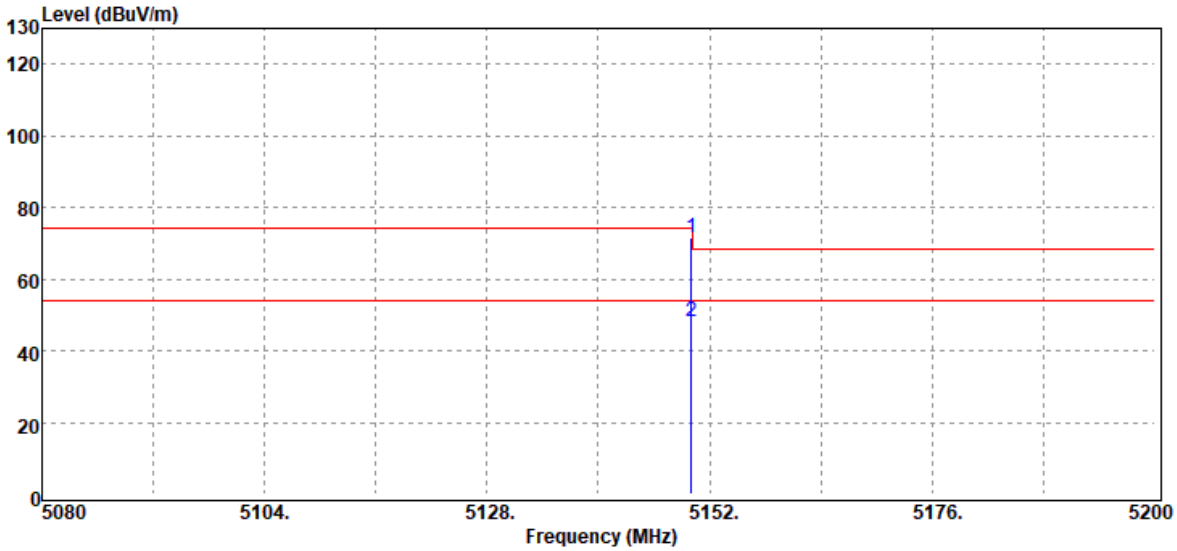
Test Data for UNII-1

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



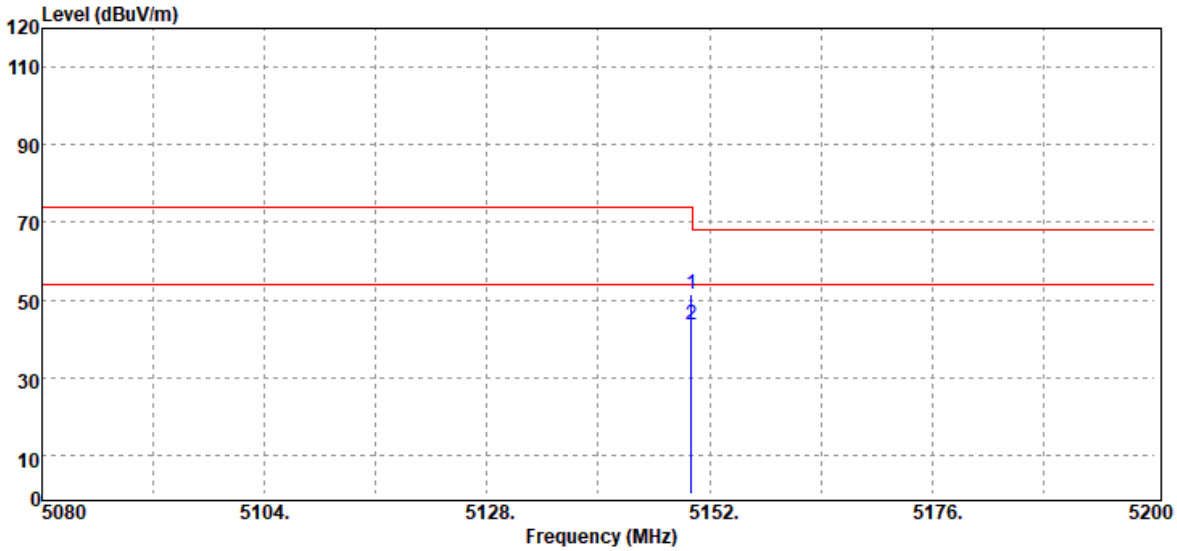
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	47.43	7.36	54.79	74.00	-19.21
5150.00	Average	35.45	7.36	42.81	54.00	-11.19

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



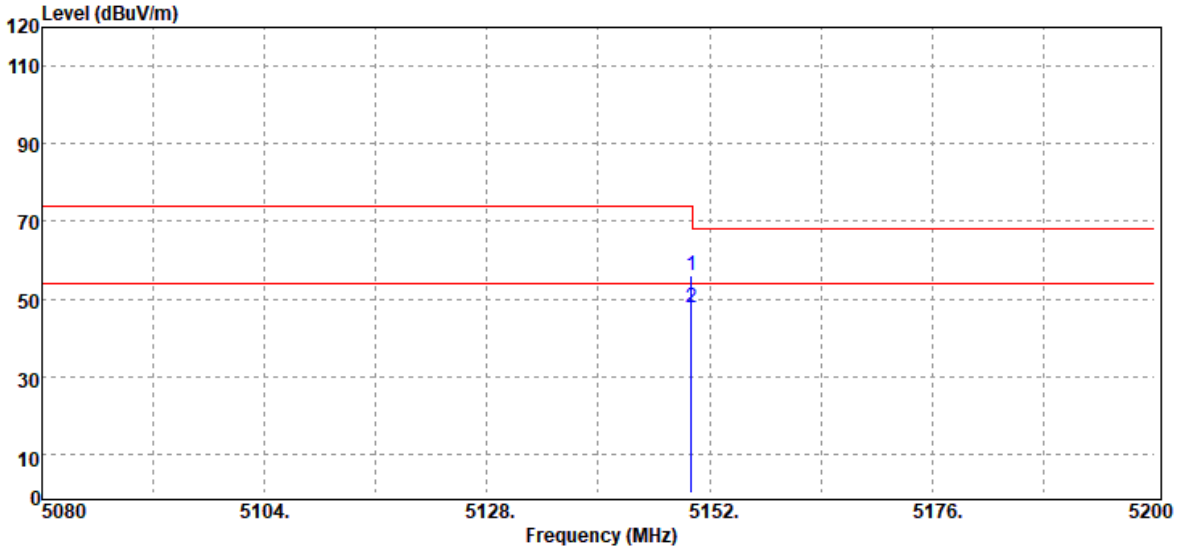
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	64.17	7.36	71.53	74.00	-2.47
5150.00	Average	40.93	7.36	48.29	54.00	-5.71

Test Mode	IEEE 802.11n 20 MHz / 5180MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



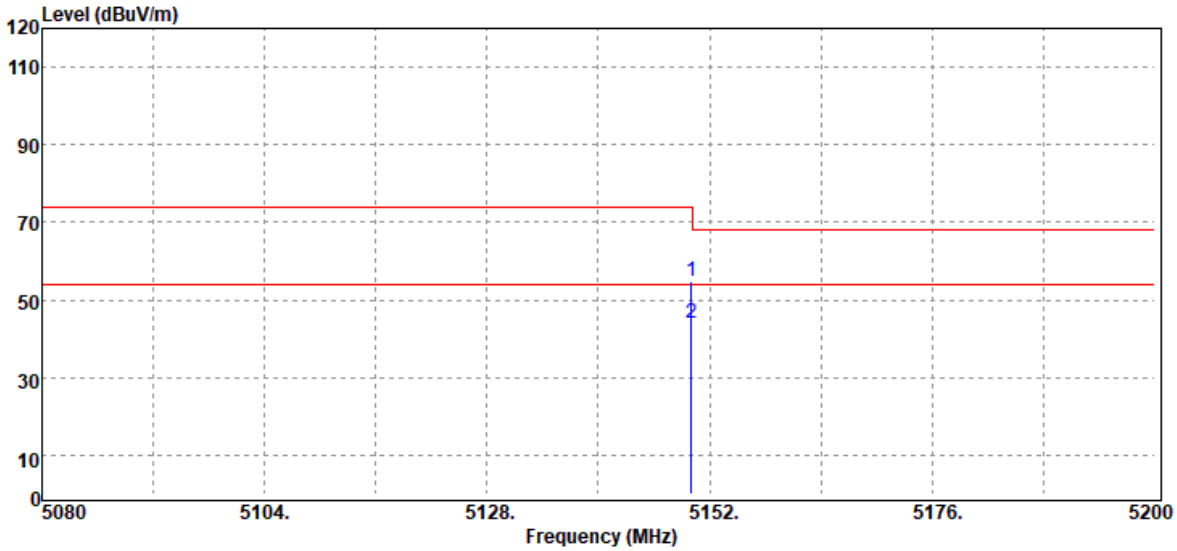
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	44.14	7.36	51.50	74.00	-22.50
5150.00	Average	36.20	7.36	43.56	54.00	-10.44

Test Mode	IEEE 802.11n 20 MHz / 5180MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



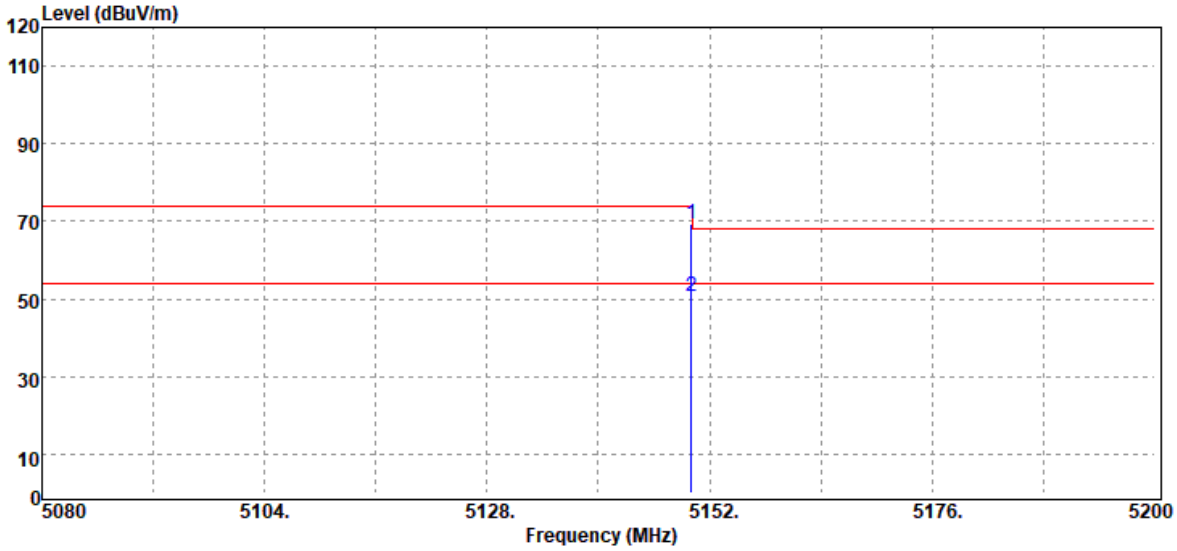
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	48.65	7.36	56.01	74.00	-17.99
5150.00	Average	40.19	7.36	47.55	54.00	-6.45

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



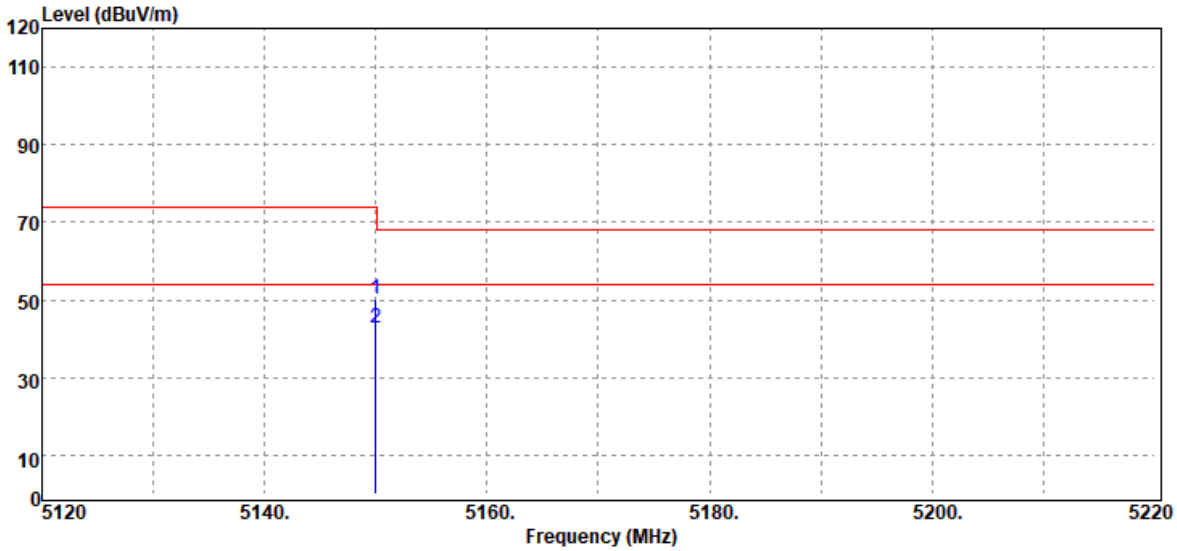
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	47.64	7.36	55.00	74.00	-19.00
5150.00	Average	36.55	7.36	43.91	54.00	-10.09

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



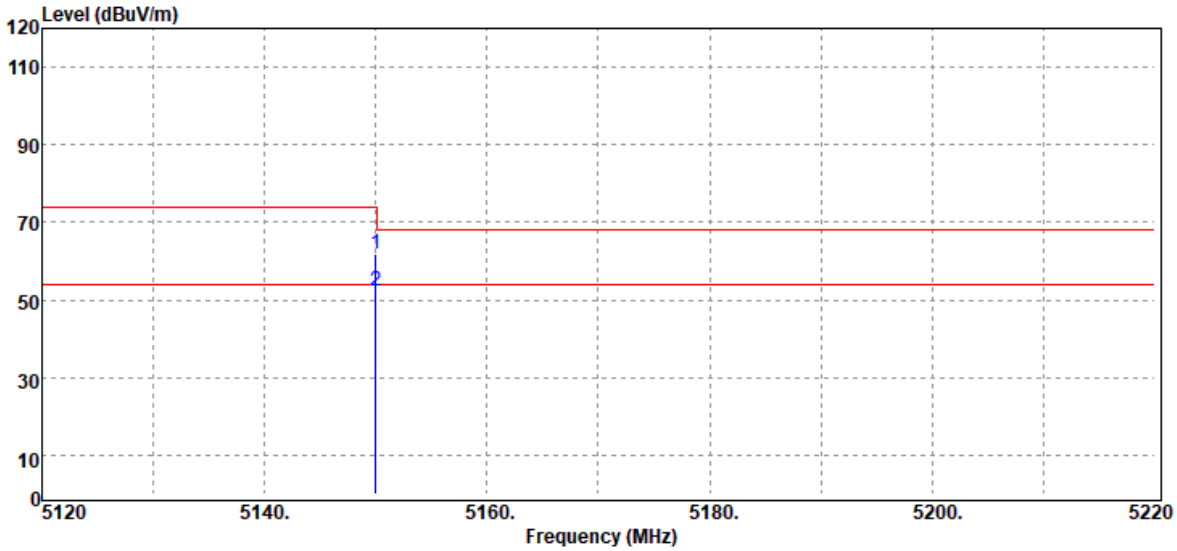
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	61.88	7.36	69.24	74.00	-4.76
5150.00	Average	43.28	7.36	50.64	54.00	-3.36

Test Mode	I EEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
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	42.82	7.36	50.18	74.00	-23.82
5150.00	Average	35.38	7.36	42.74	54.00	-11.26

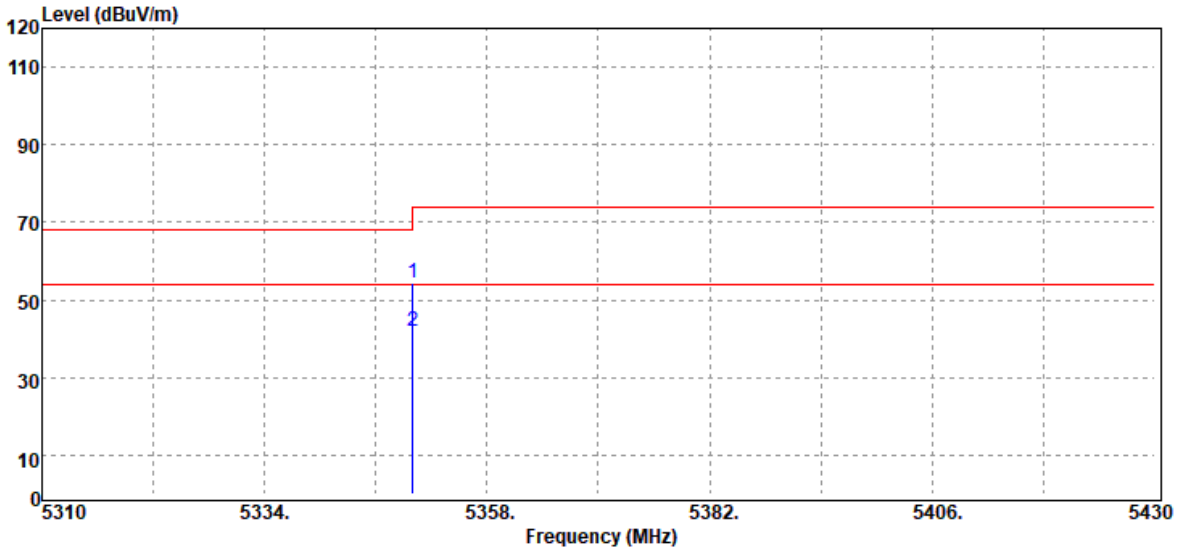
Test Mode	I EEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



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	54.68	7.36	62.04	74.00	-11.96
5150.00	Average	44.82	7.36	52.18	54.00	-1.82

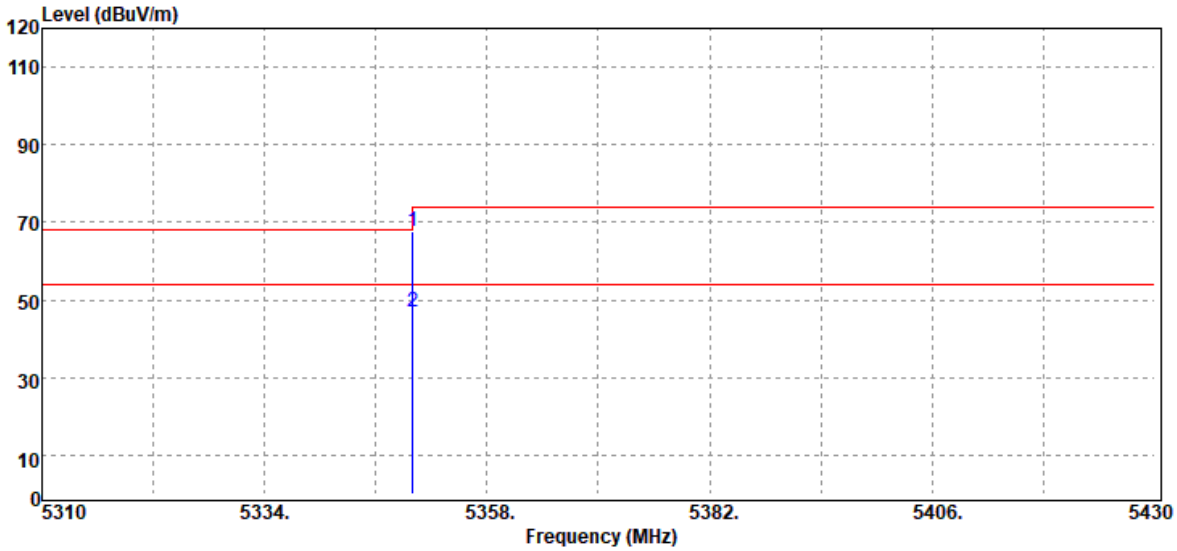
Test Data for UNII-2a

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



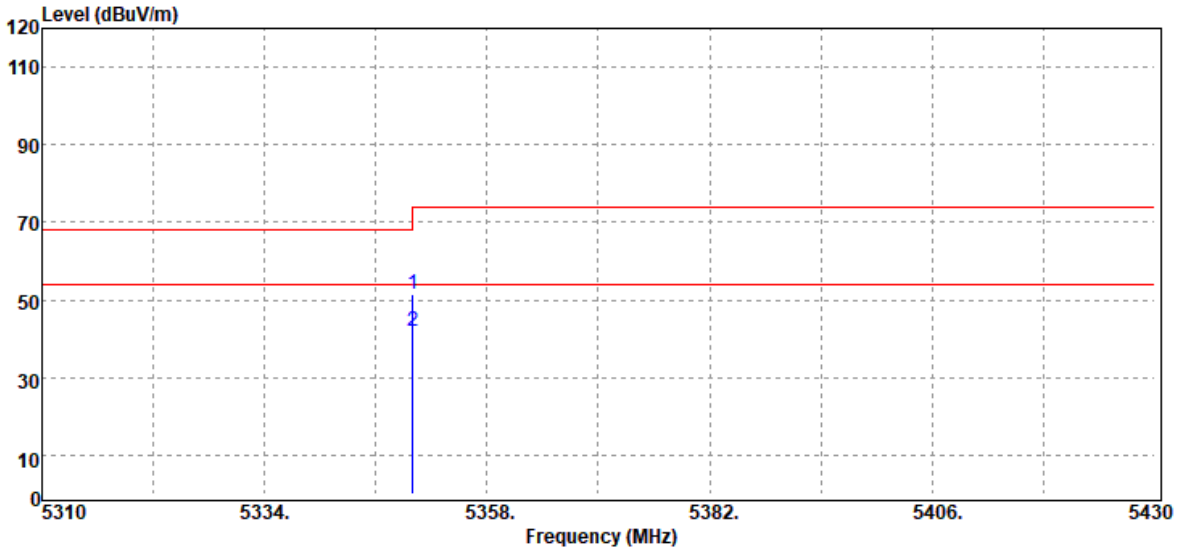
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	46.13	8.19	54.32	74.00	-19.68
5350.00	Average	33.68	8.19	41.87	54.00	-12.13

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



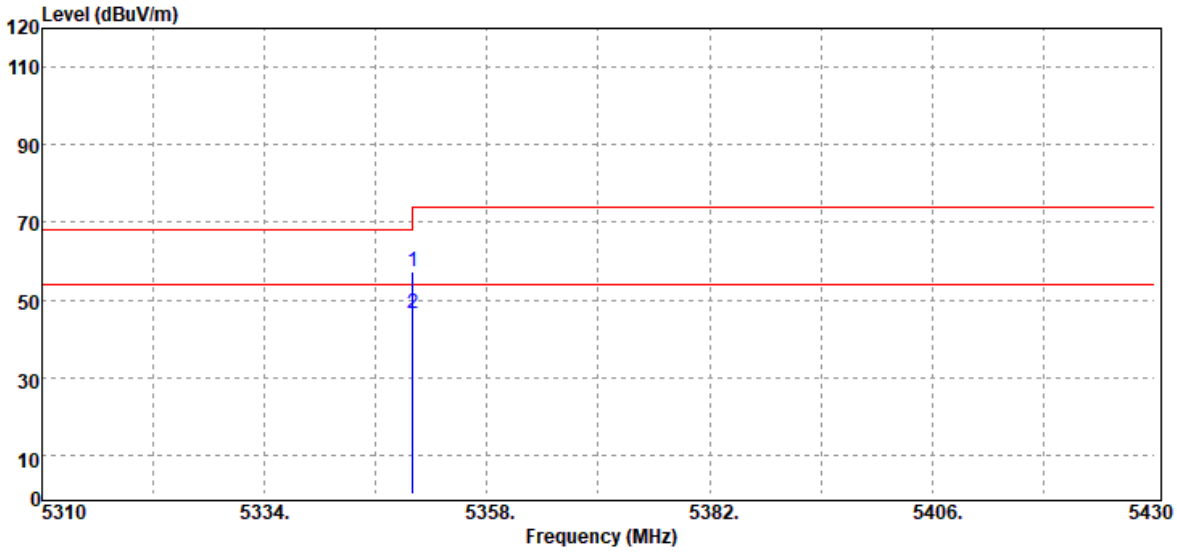
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	59.31	8.19	67.50	74.00	-6.50
5350.00	Average	38.58	8.19	46.77	54.00	-7.23

Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



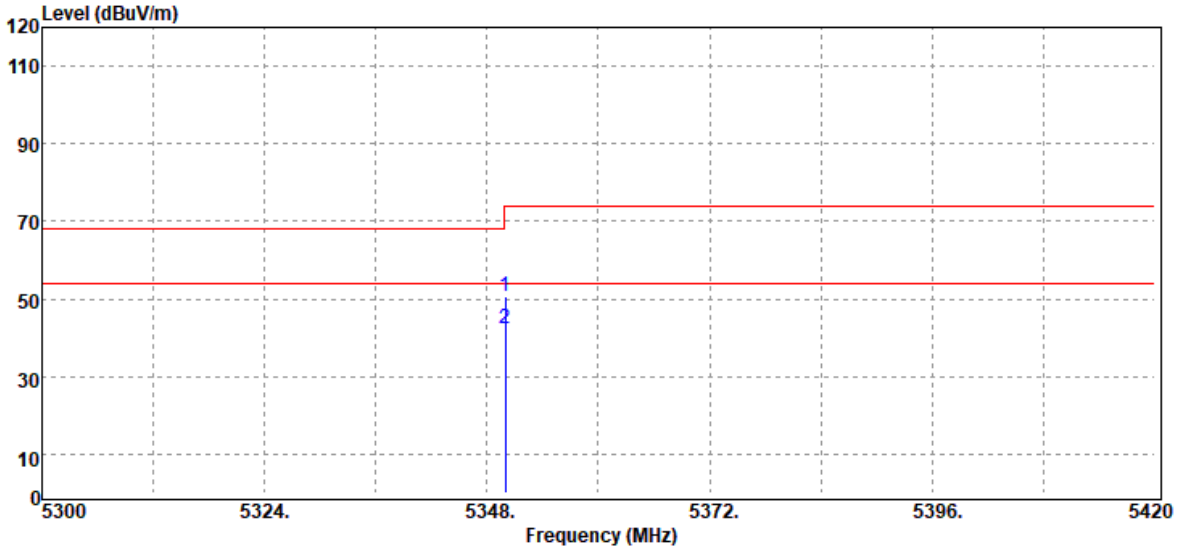
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	43.19	8.19	51.38	74.00	-22.62
5350.00	Average	33.77	8.19	41.96	54.00	-12.04

Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



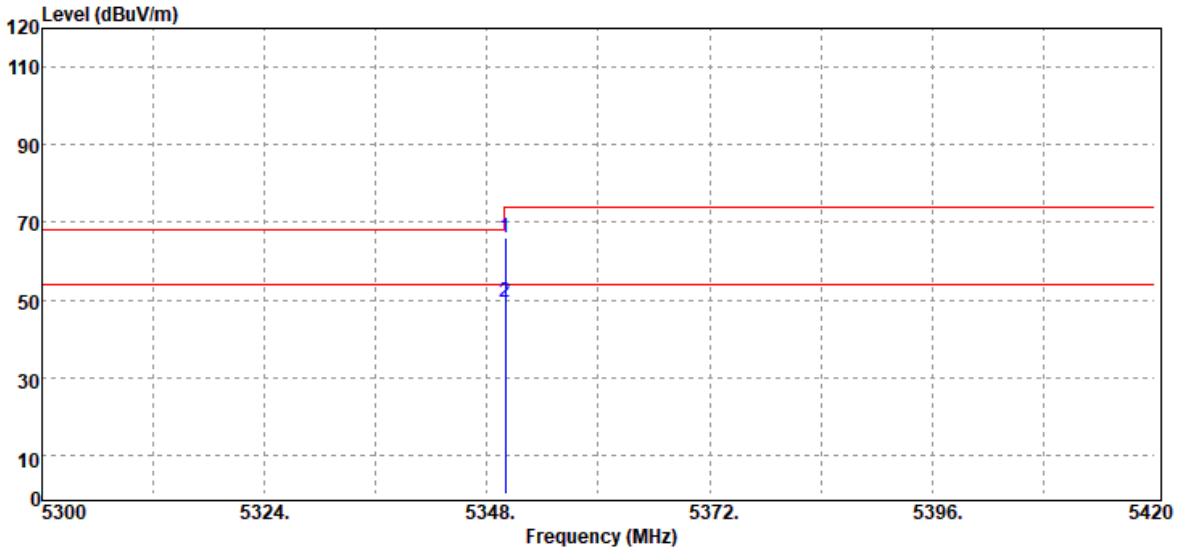
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	49.20	8.19	57.39	74.00	-16.61
5350.00	Average	38.37	8.19	46.56	54.00	-7.44

Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



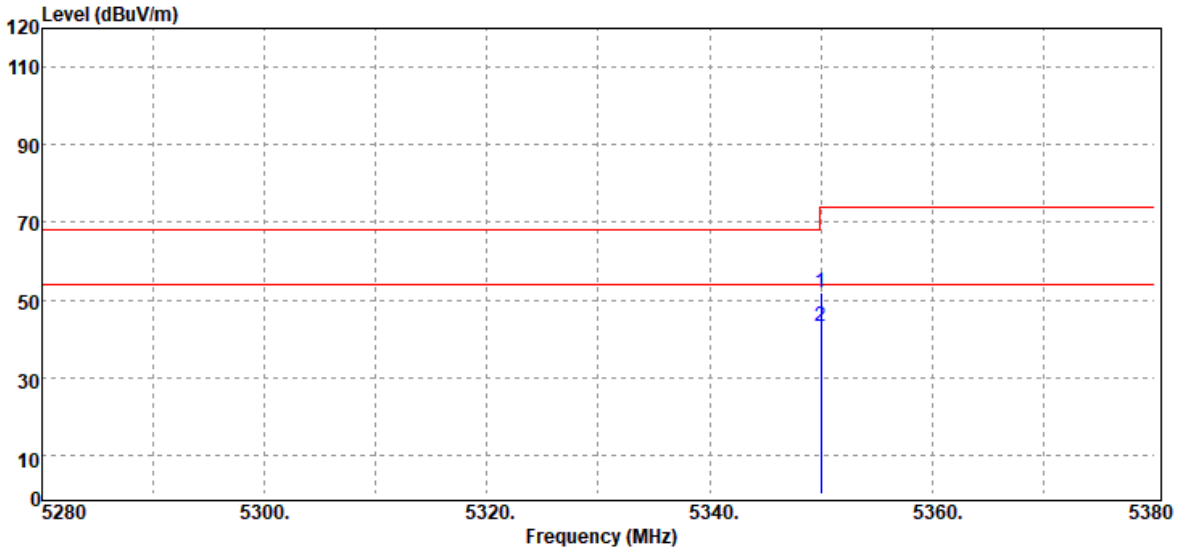
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	42.28	8.19	50.47	74.00	-23.53
5350.00	Average	34.30	8.19	42.49	54.00	-11.51

Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



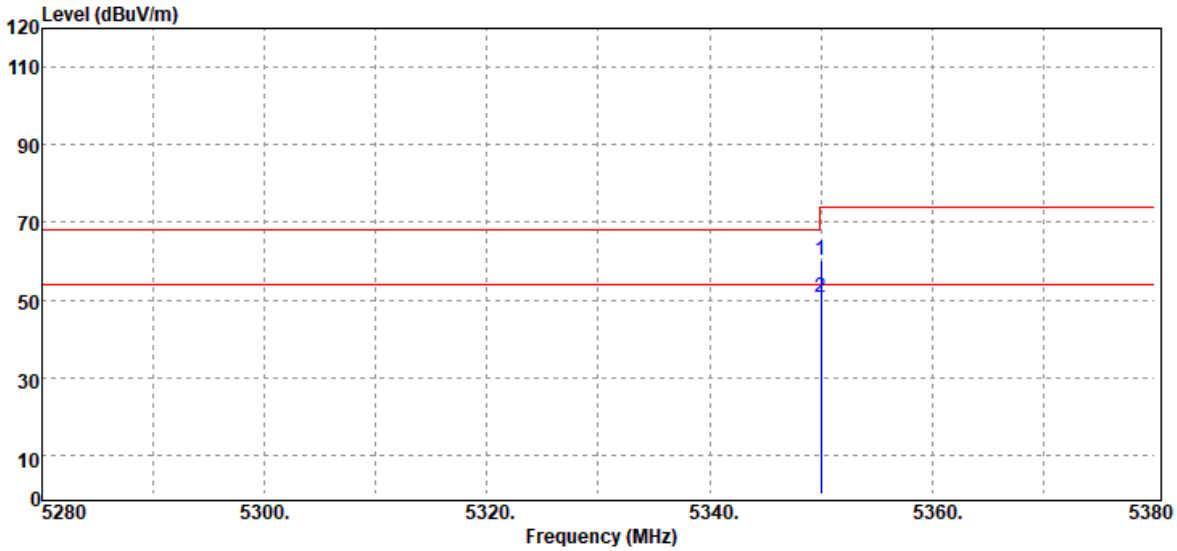
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	57.70	8.19	65.89	74.00	-8.11
5350.00	Average	41.23	8.19	49.42	54.00	-4.58

Test Mode	IEEE 802.11ac VHT80 / 5290MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
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	43.82	8.19	52.01	74.00	-21.99
5350.00	Average	35.00	8.19	43.19	54.00	-10.81

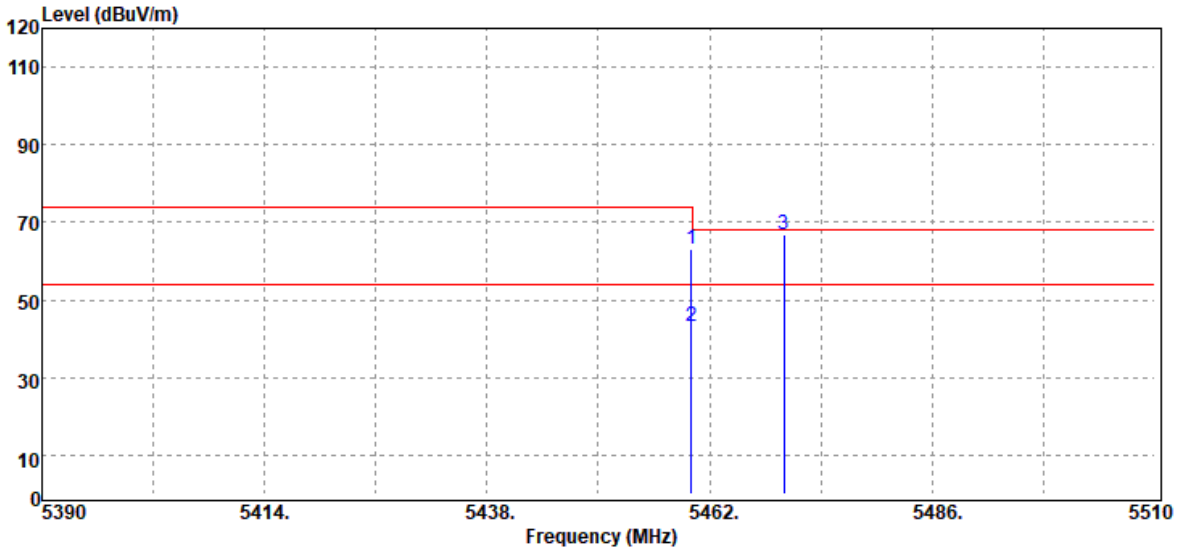
Test Mode	IEEE 802.11ac VHT80 / 5290MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



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	52.20	8.19	60.39	74.00	-13.61
5350.00	Average	42.51	8.19	50.70	54.00	-3.30

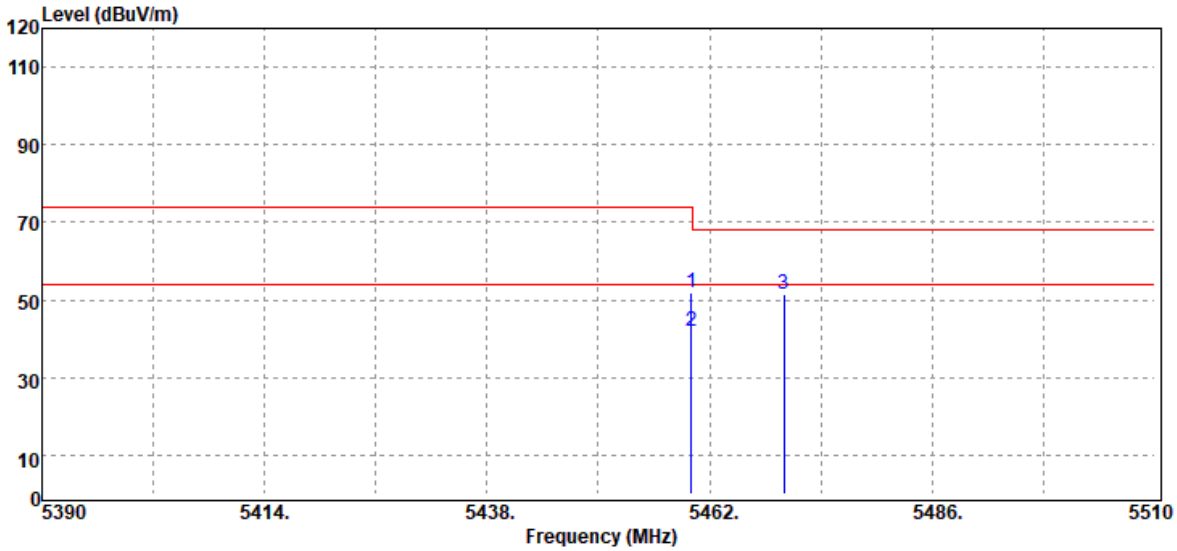
Test Data for UNII-2c

Test Mode	IEEE 802.11a / 5500MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



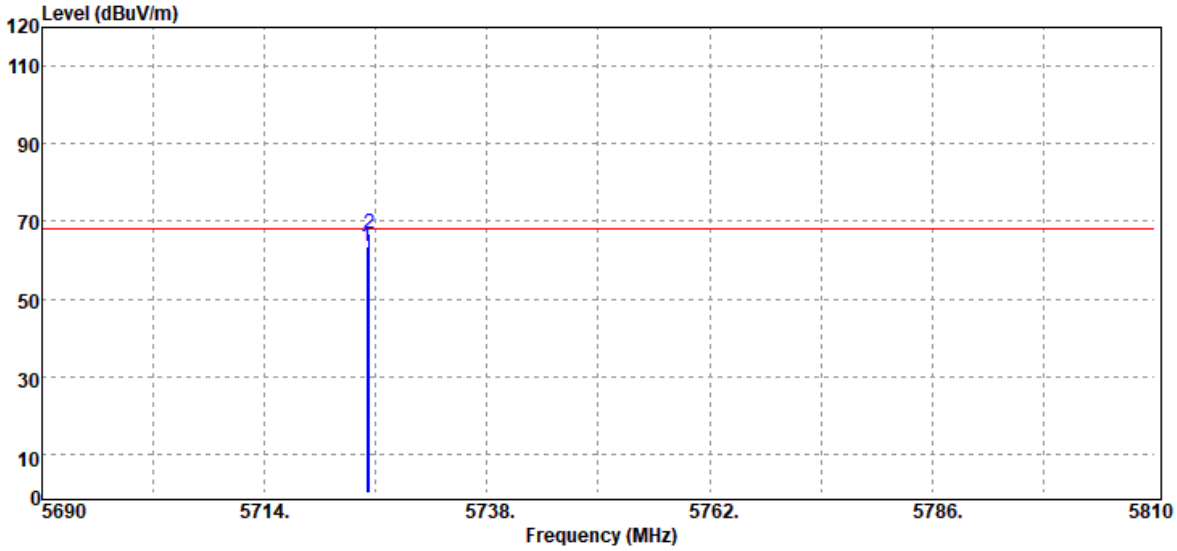
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	54.82	8.38	63.20	74.00	-10.80
5460.00	Average	34.67	8.38	43.05	54.00	-10.95
5470.00	Peak	58.47	8.39	66.86	68.20	-1.34

Test Mode	IEEE 802.11a / 5500MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



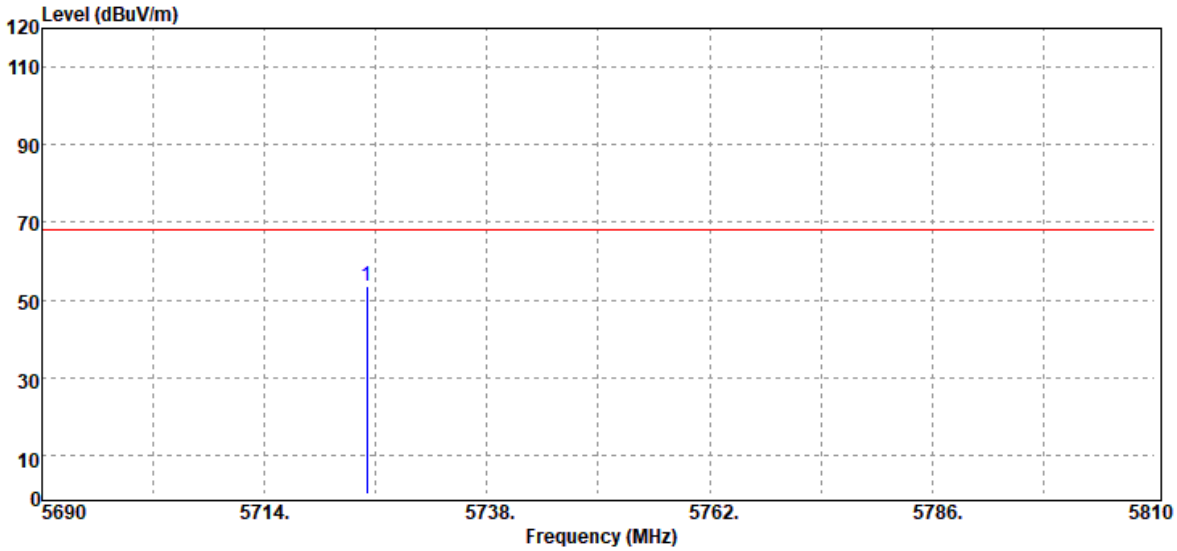
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	43.45	8.38	51.83	74.00	-22.17
5460.00	Average	33.43	8.38	41.81	54.00	-12.19
5470.00	Peak	42.99	8.39	51.38	68.20	-16.82

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



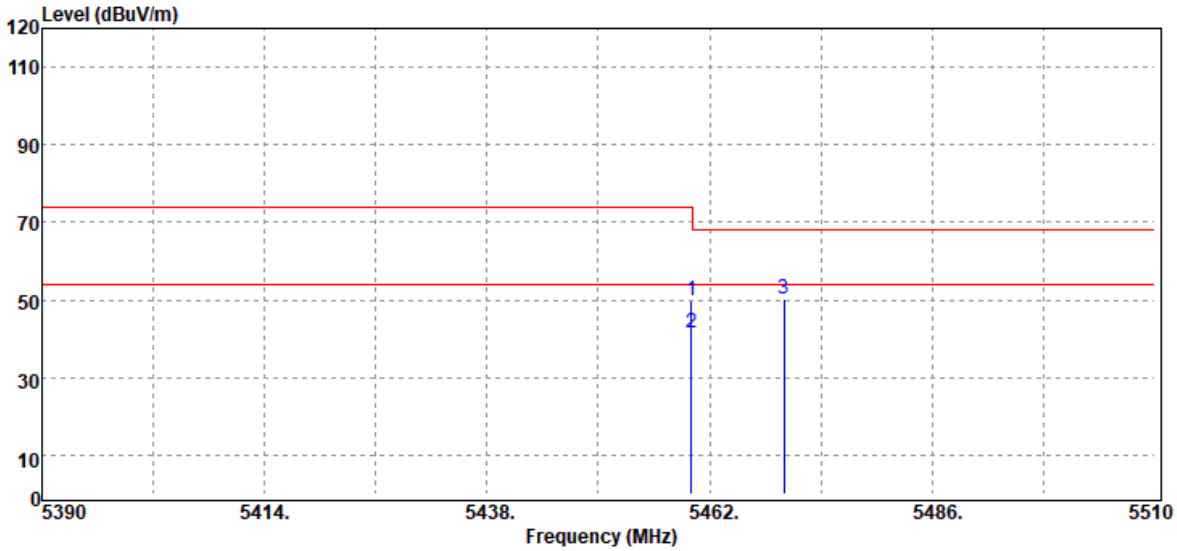
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	55.32	8.31	63.63	68.20	-4.57
5725.28	Peak	58.73	8.31	67.04	68.20	-1.16

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



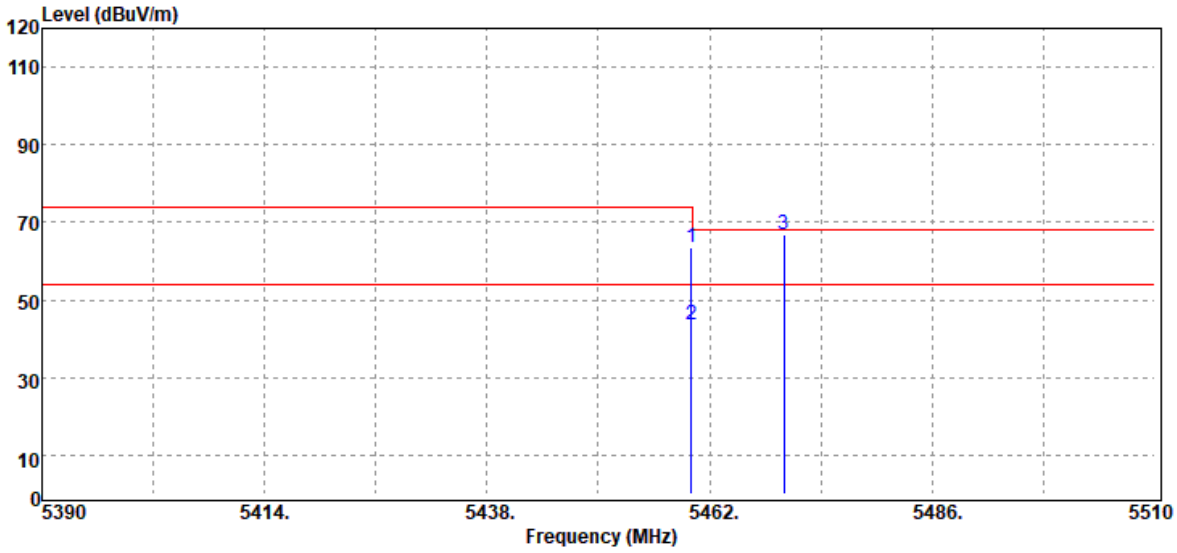
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	45.06	8.31	53.37	68.20	-14.83

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



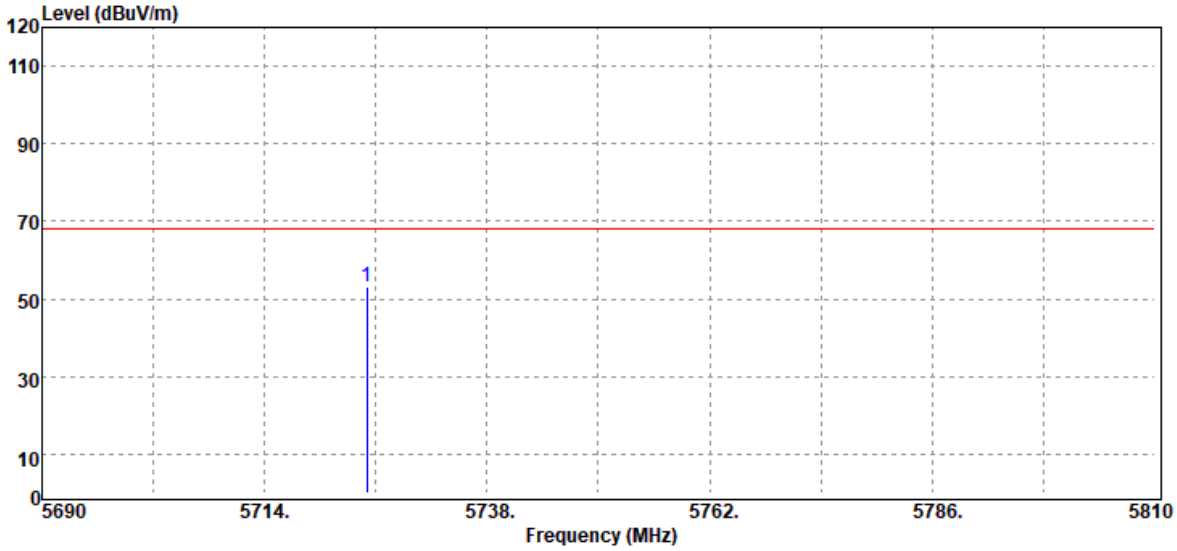
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	41.53	8.38	49.91	74.00	-24.09
5460.00	Average	33.34	8.38	41.72	54.00	-12.28
5470.00	Peak	41.66	8.39	50.05	68.20	-18.15

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



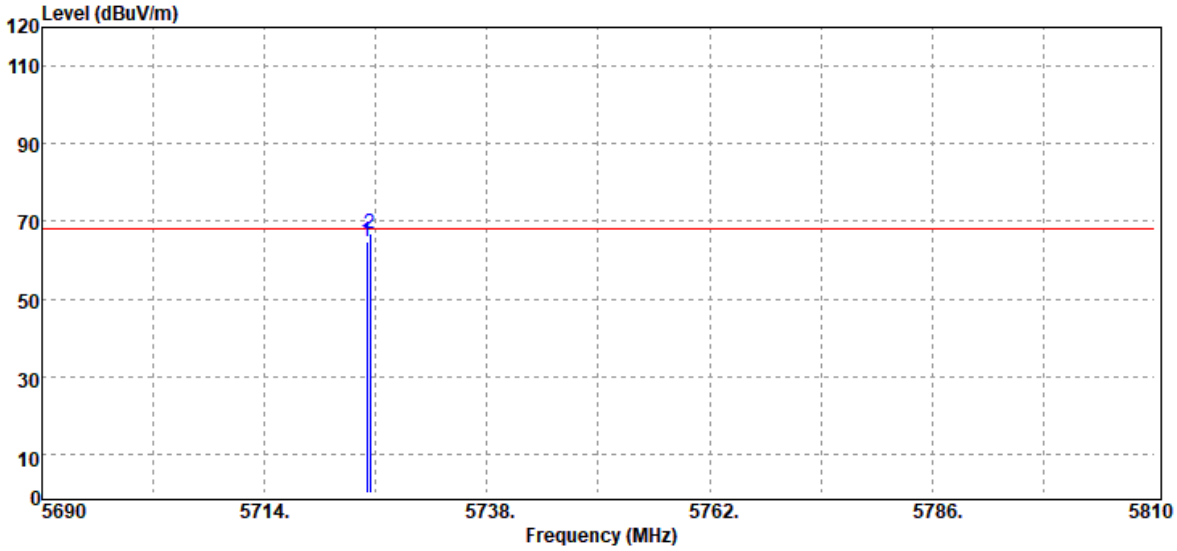
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	54.98	8.38	63.36	74.00	-10.64
5460.00	Average	35.08	8.38	43.46	54.00	-10.54
5470.00	Peak	58.64	8.39	67.03	68.20	-1.17

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temperature	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



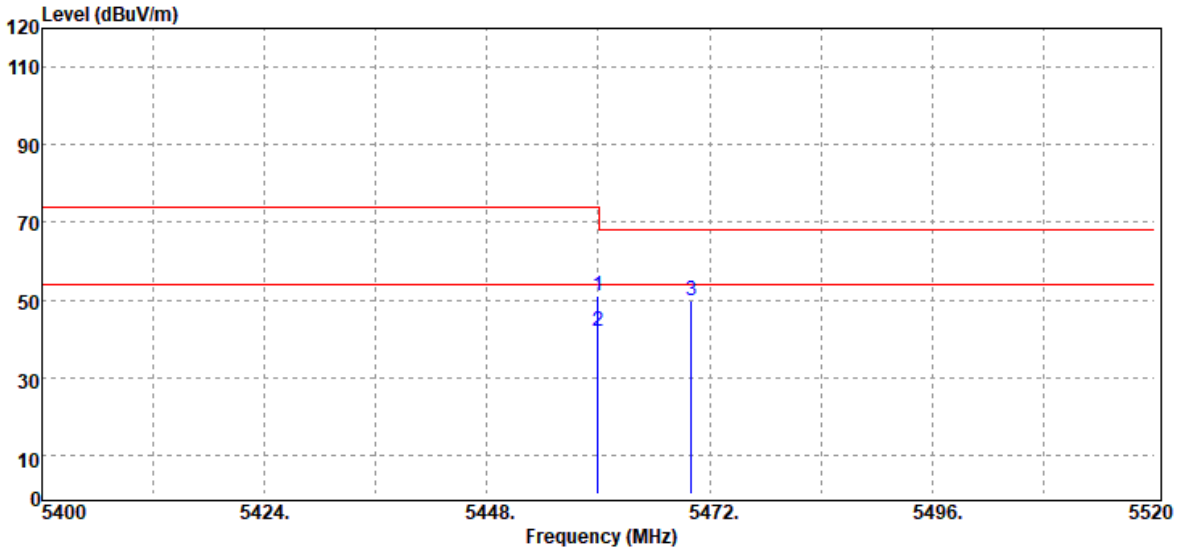
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	44.95	8.31	53.26	68.20	-14.94

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temperature	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



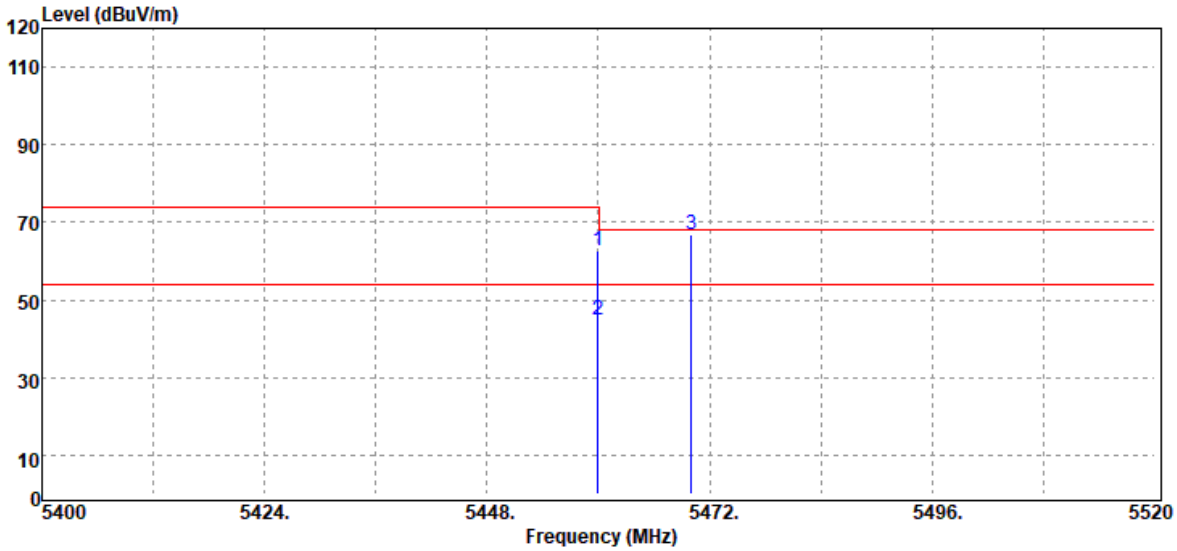
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	56.49	8.31	64.80	68.20	-3.40
5725.40	Peak	58.45	8.31	66.76	68.20	-1.44

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



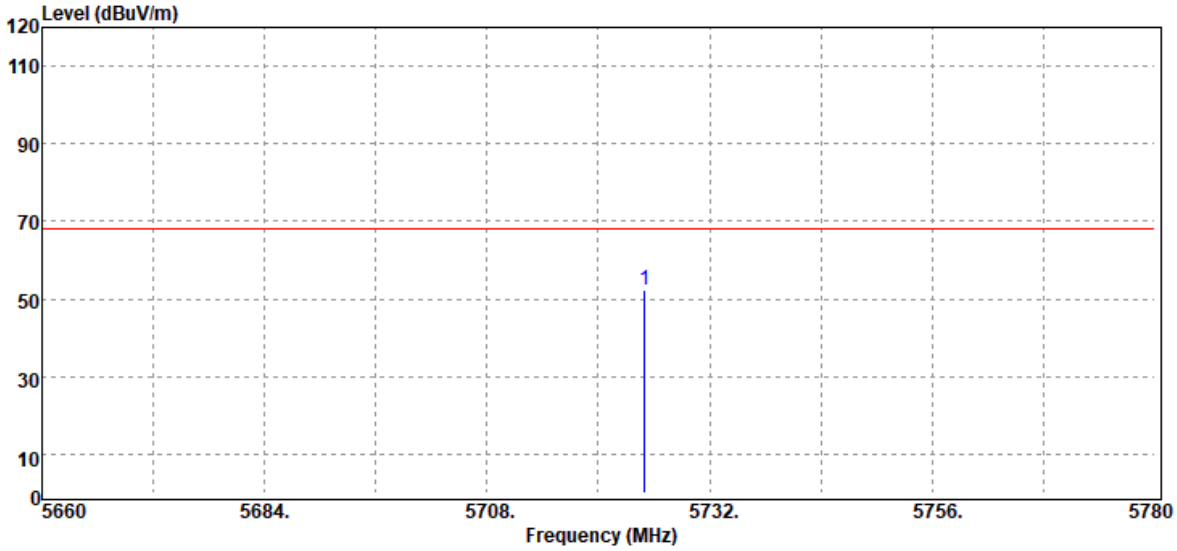
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	42.80	8.38	51.18	74.00	-22.82
5460.00	Average	33.51	8.38	41.89	54.00	-12.11
5470.00	Peak	41.51	8.39	49.90	68.20	-18.30

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



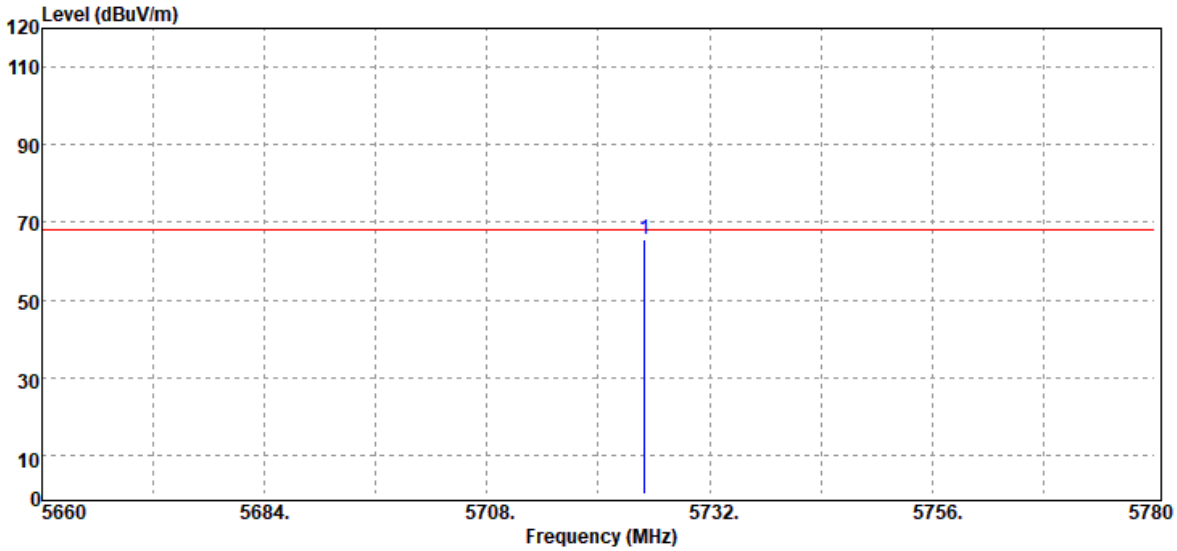
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	54.41	8.38	62.79	74.00	-11.21
5460.00	Average	36.63	8.38	45.01	54.00	-8.99
5470.00	Peak	58.65	8.39	67.04	68.20	-1.16

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



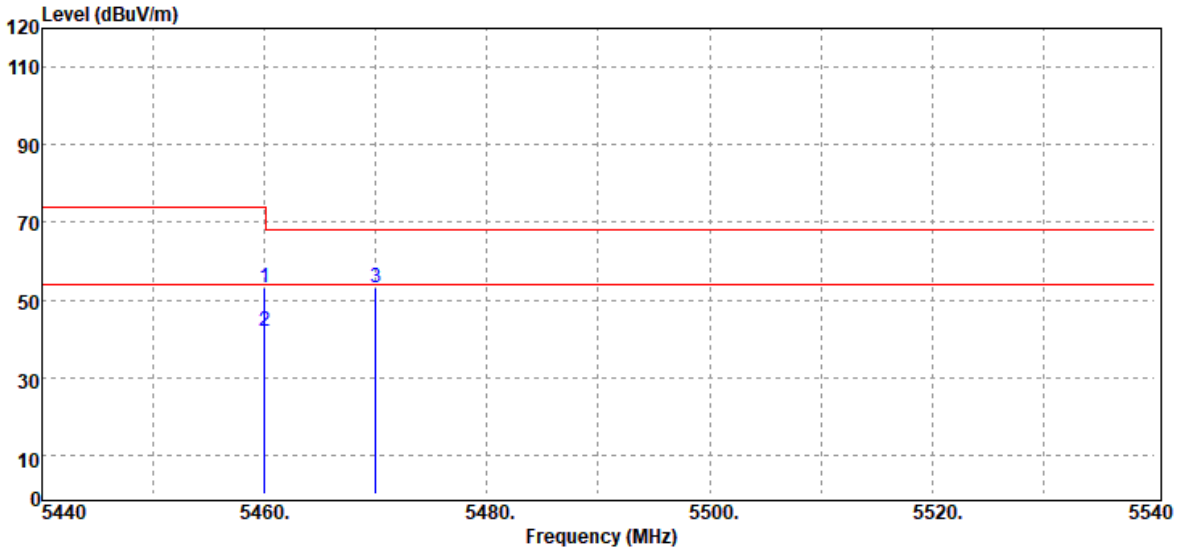
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	44.07	8.31	52.38	68.20	-15.82

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



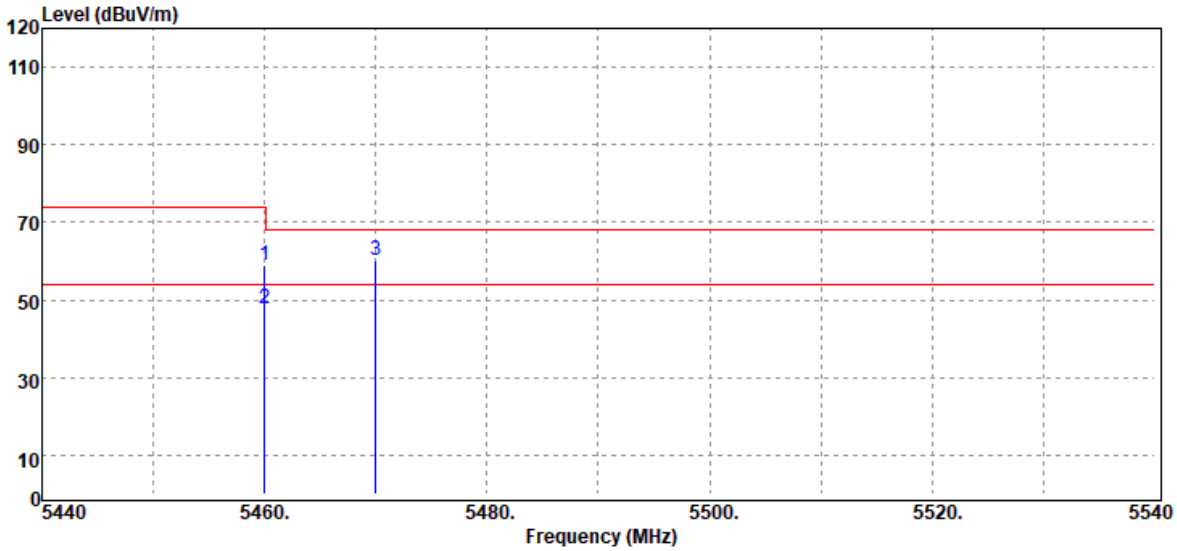
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	57.38	8.31	65.69	68.20	-2.51

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
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	44.76	8.38	53.14	74.00	-20.86
5460.00	Average	33.70	8.38	42.08	54.00	-11.92
5470.00	Peak	44.96	8.39	53.35	68.20	-14.85

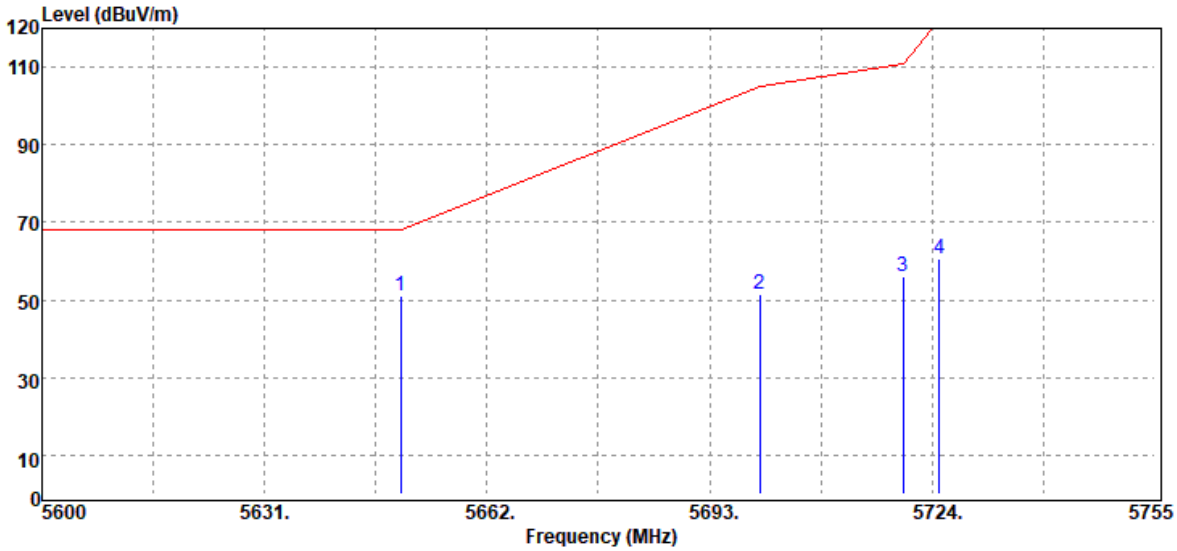
Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



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	50.49	8.38	58.87	74.00	-15.13
5460.00	Average	39.50	8.38	47.88	54.00	-6.12
5470.00	Peak	51.64	8.39	60.03	68.20	-8.17

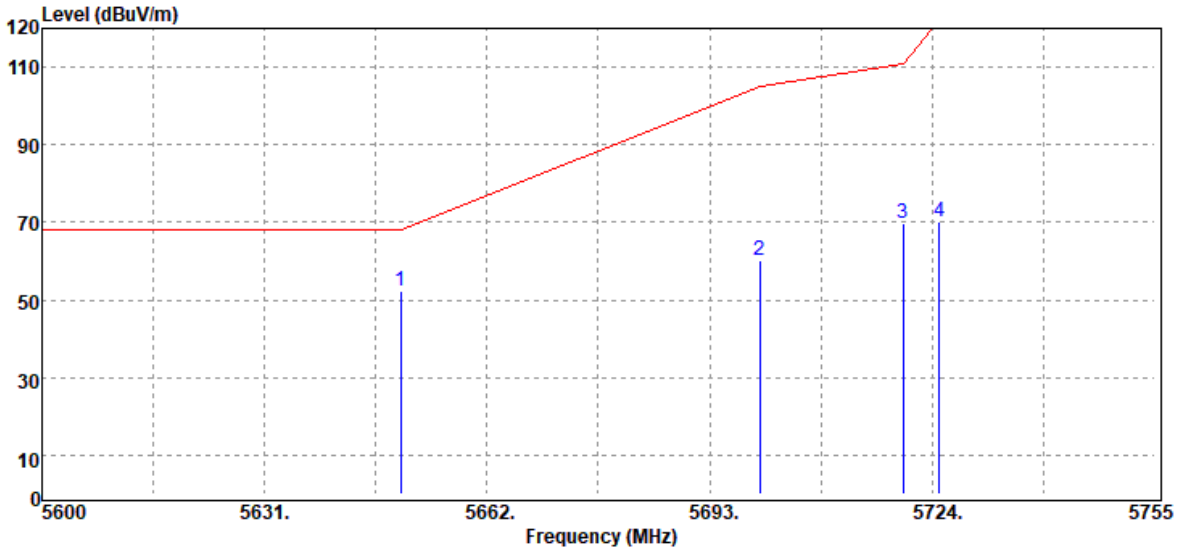
Test Data for UNII-3

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



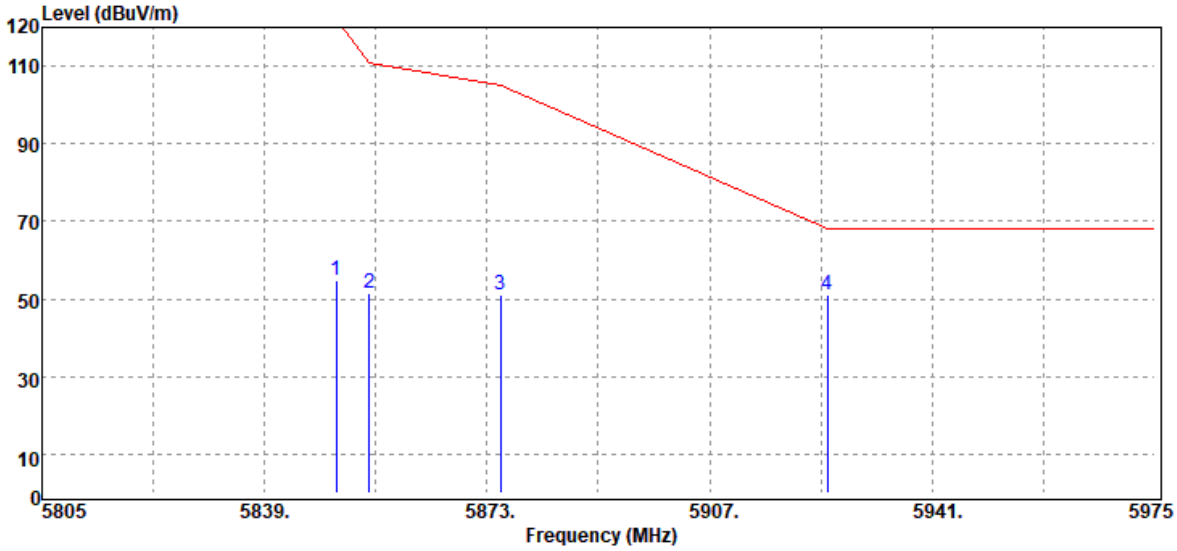
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	42.87	8.17	51.04	68.20	-17.16
5700.00	Peak	43.19	8.28	51.47	105.20	-53.73
5720.00	Peak	47.78	8.30	56.08	110.80	-54.72
5725.00	Peak	52.46	8.31	60.77	122.20	-61.43

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



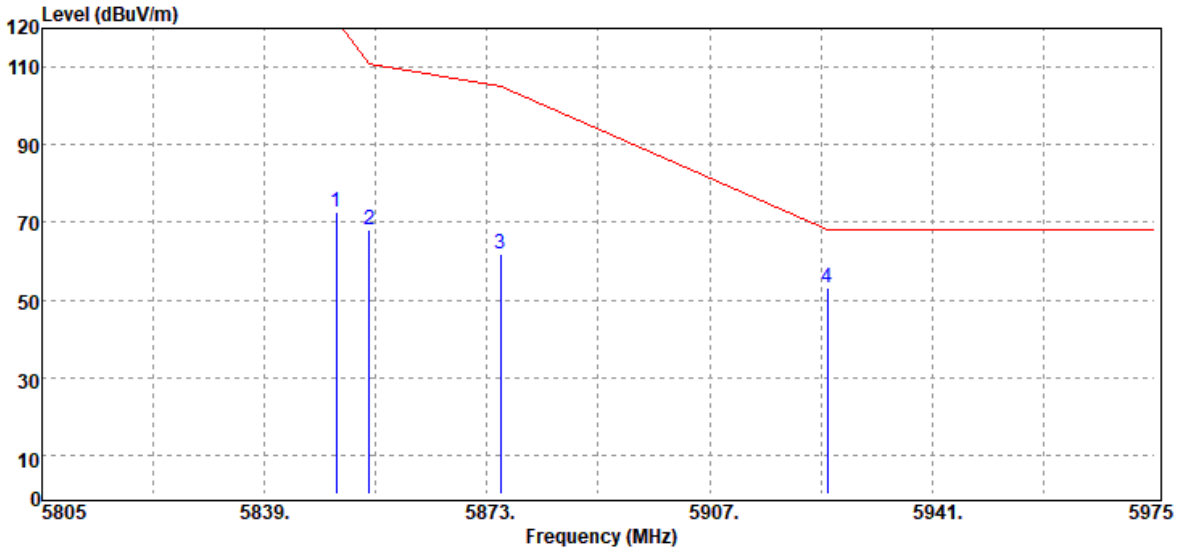
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	44.13	8.17	52.30	68.20	-15.90
5700.00	Peak	51.90	8.28	60.18	105.20	-45.02
5720.00	Peak	61.62	8.30	69.92	110.80	-40.88
5725.00	Peak	61.88	8.31	70.19	122.20	-52.01

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



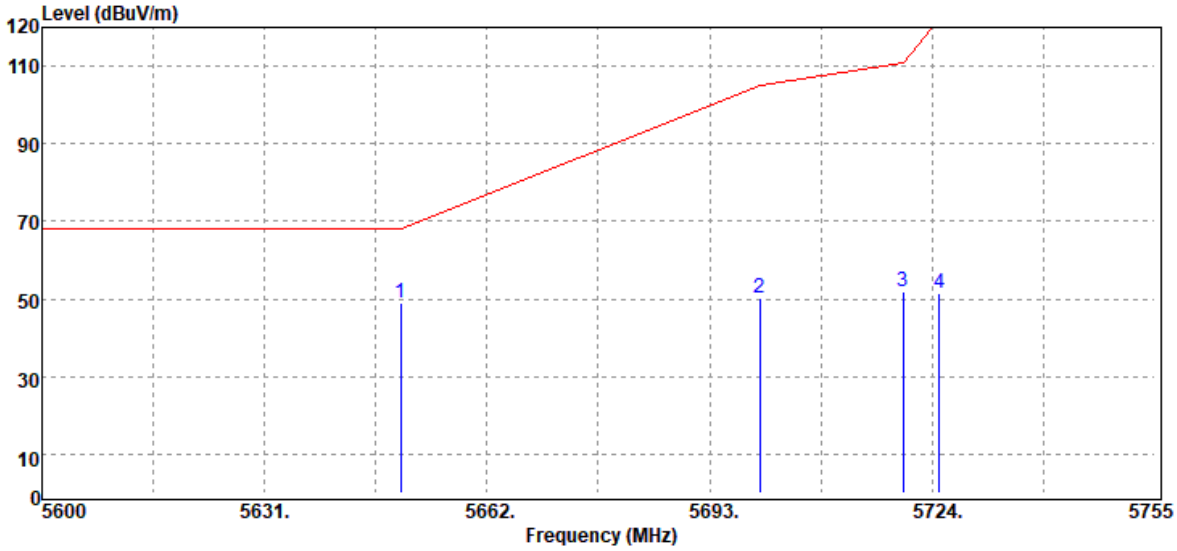
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	46.19	8.62	54.81	122.20	-67.39
5855.00	Peak	42.68	8.64	51.32	110.80	-59.48
5875.00	Peak	42.30	8.71	51.01	105.20	-54.19
5925.00	Peak	42.06	8.82	50.88	68.20	-17.32

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



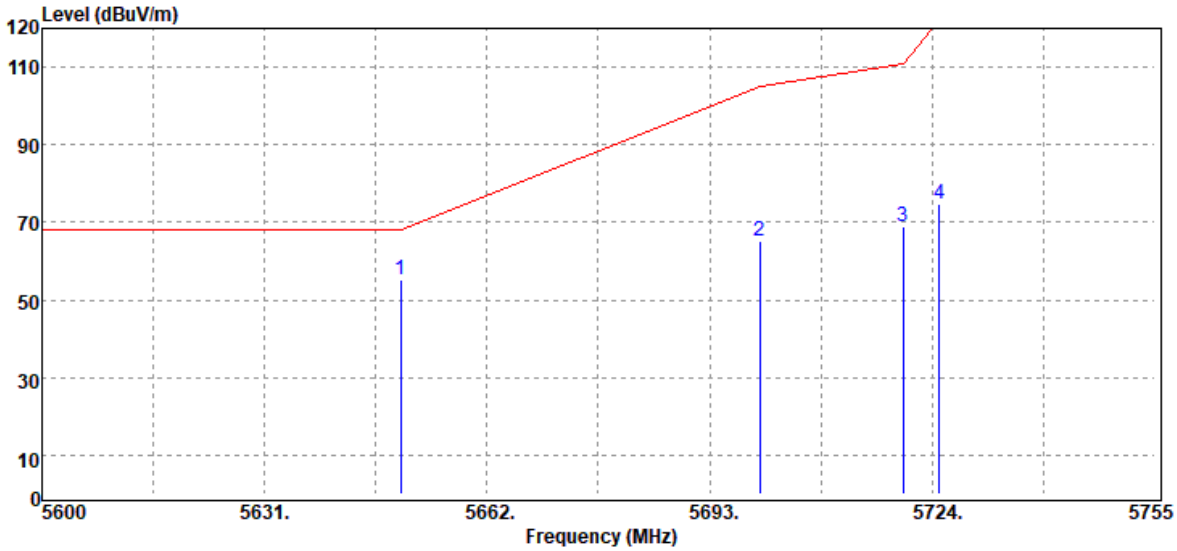
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	64.25	8.62	72.87	122.20	-49.33
5855.00	Peak	59.50	8.64	68.14	110.80	-42.66
5875.00	Peak	53.18	8.71	61.89	105.20	-43.31
5925.00	Peak	44.44	8.82	53.26	68.20	-14.94

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



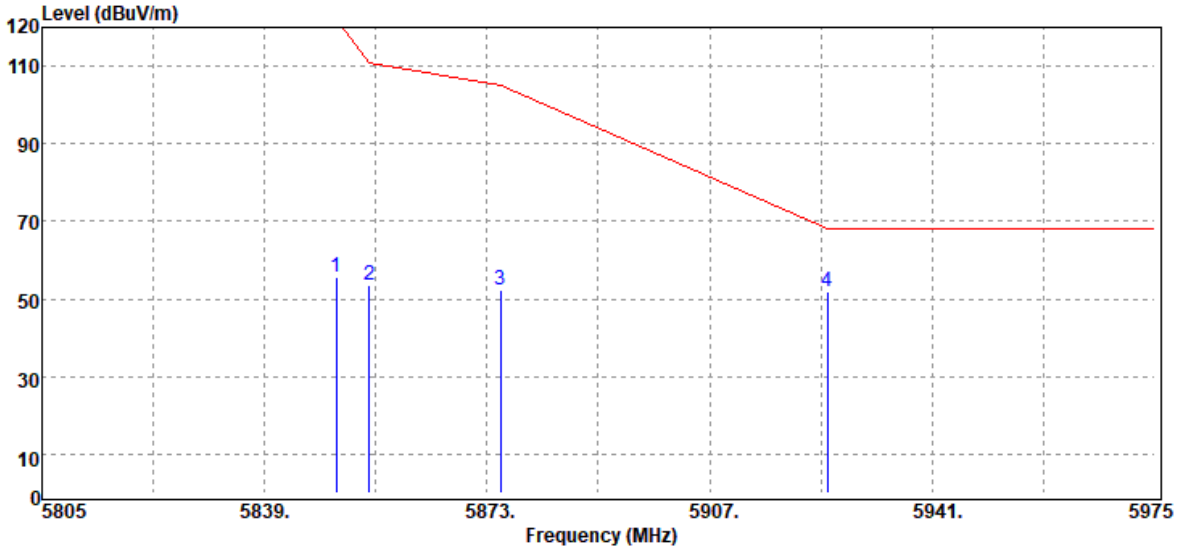
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	41.01	8.17	49.18	68.20	-19.02
5700.00	Peak	41.99	8.28	50.27	105.20	-54.93
5720.00	Peak	43.78	8.30	52.08	110.80	-58.72
5725.00	Peak	43.08	8.31	51.39	122.20	-70.81

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



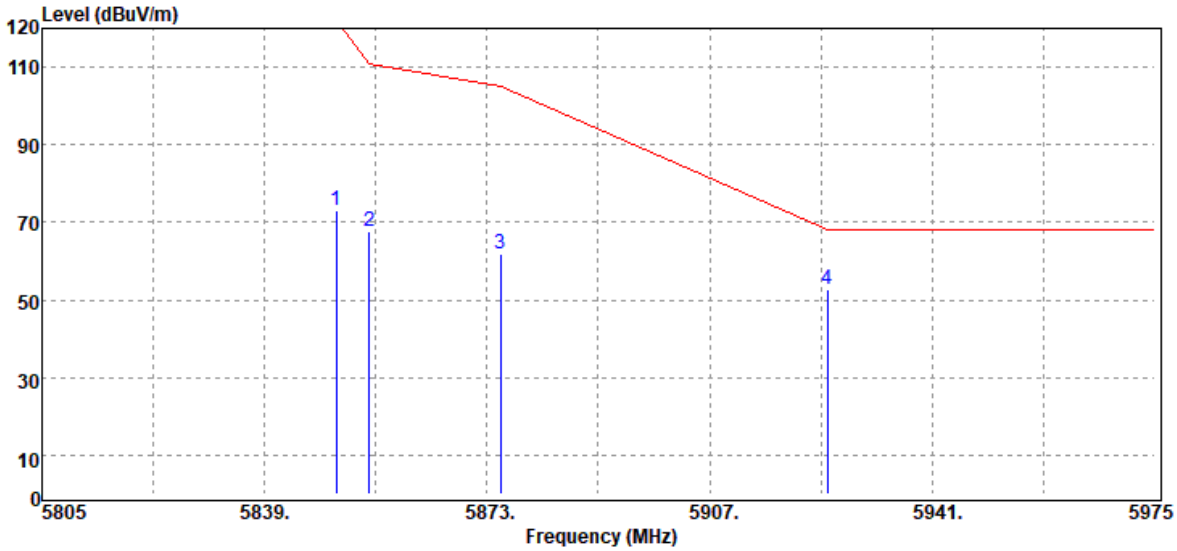
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	46.85	8.17	55.02	68.20	-13.18
5700.00	Peak	56.85	8.28	65.13	105.20	-40.07
5720.00	Peak	60.56	8.30	68.86	110.80	-41.94
5725.00	Peak	66.34	8.31	74.65	122.20	-47.55

Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



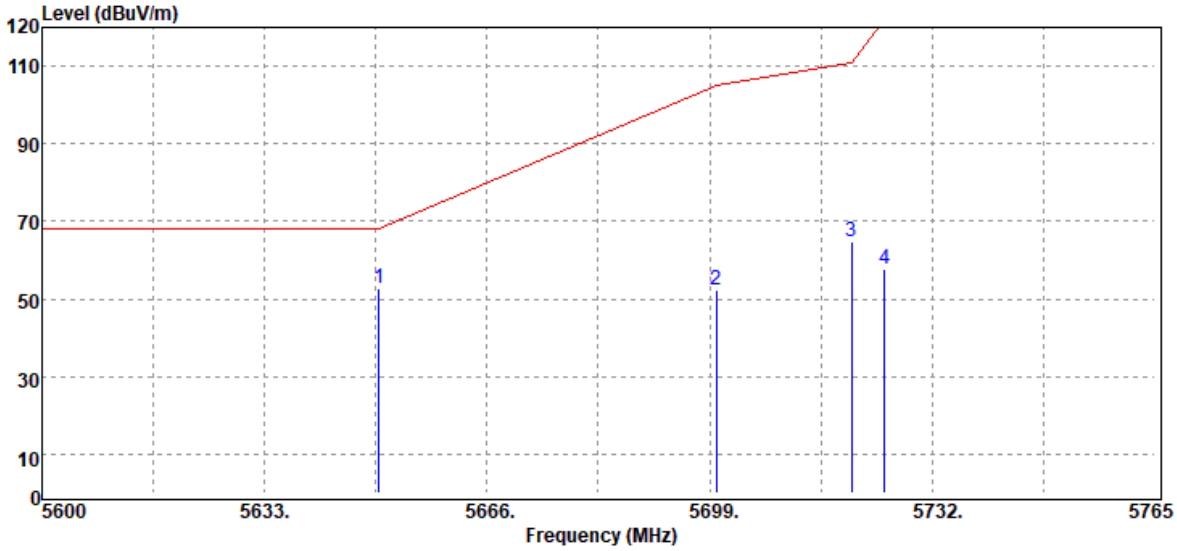
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	47.19	8.62	55.81	122.20	-66.39
5855.00	Peak	44.81	8.64	53.45	110.80	-57.35
5875.00	Peak	43.67	8.71	52.38	105.20	-52.82
5925.00	Peak	43.16	8.82	51.98	68.20	-16.22

Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



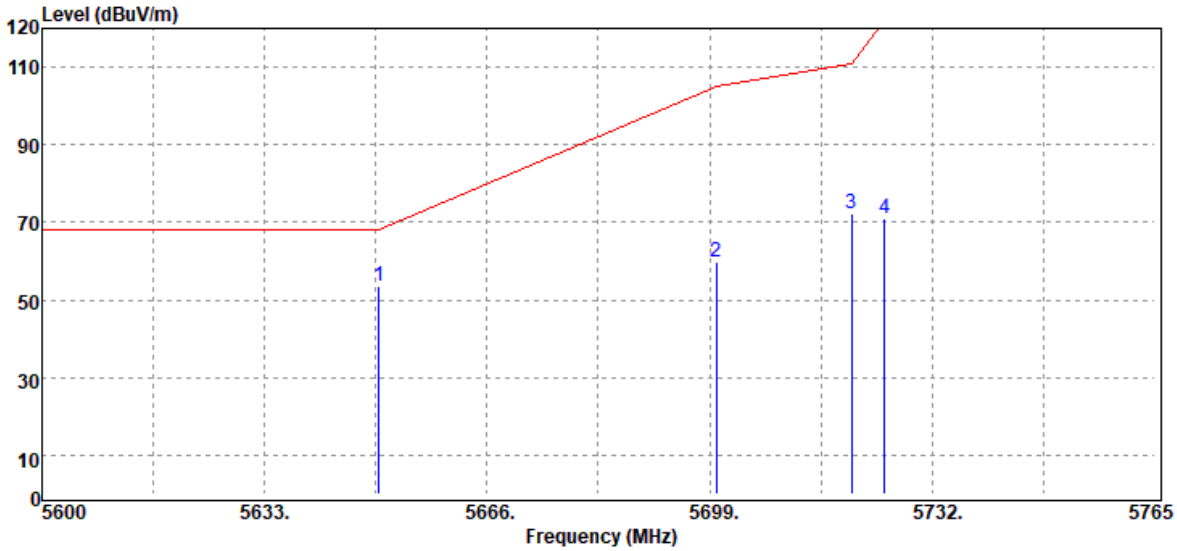
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	64.33	8.62	72.95	122.20	-49.25
5855.00	Peak	58.94	8.64	67.58	110.80	-43.22
5875.00	Peak	53.23	8.71	61.94	105.20	-43.26
5925.00	Peak	43.99	8.82	52.81	68.20	-15.39

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



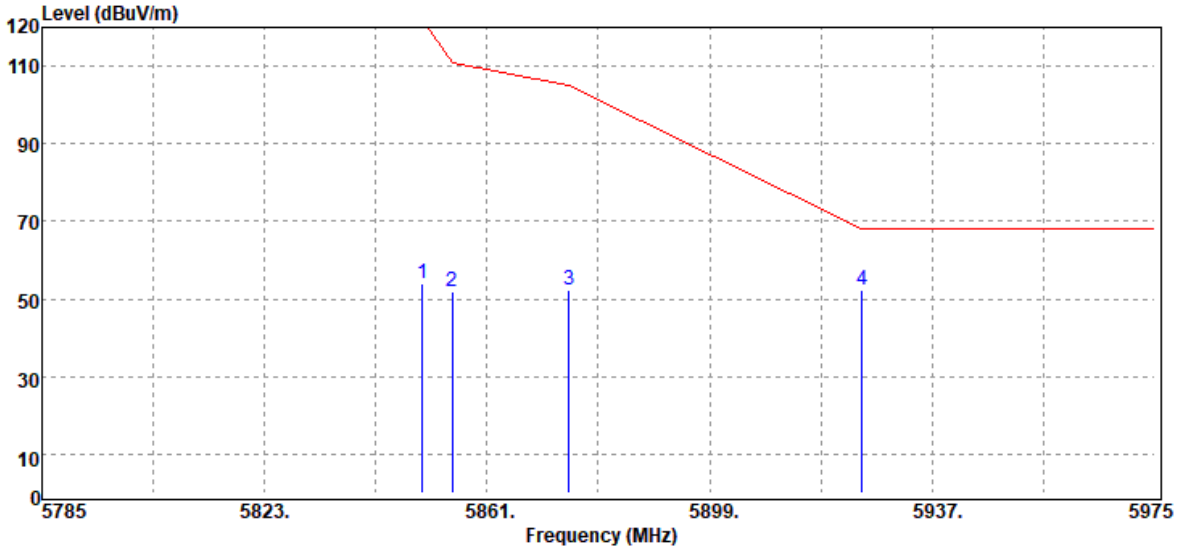
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	44.66	8.17	52.83	68.20	-15.37
5700.00	Peak	44.17	8.28	52.45	105.20	-52.75
5720.00	Peak	56.28	8.30	64.58	110.80	-46.22
5725.00	Peak	49.39	8.31	57.70	122.20	-64.50

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



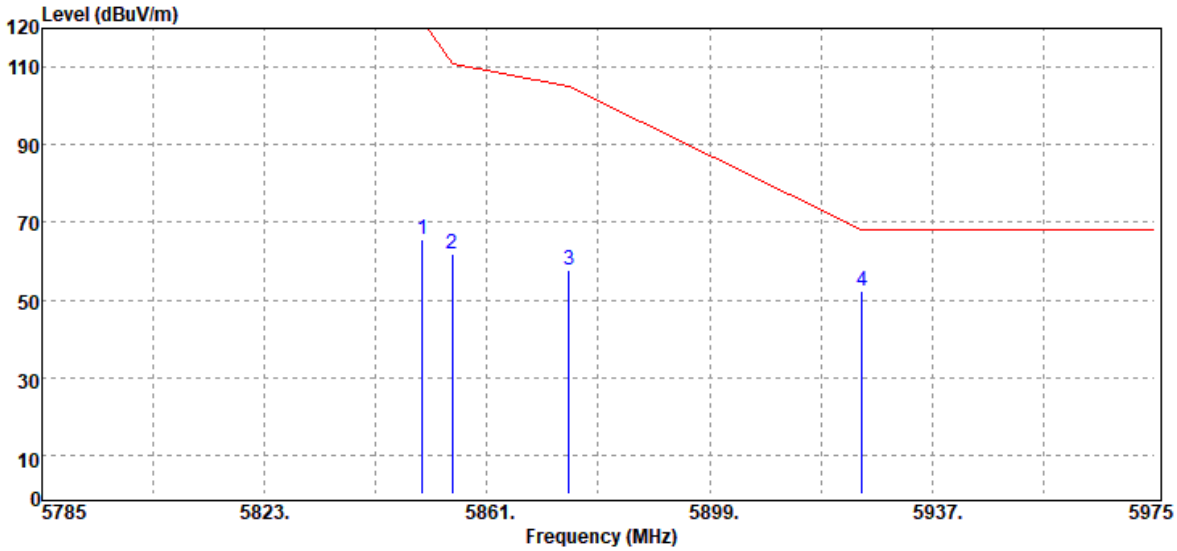
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	45.37	8.17	53.54	68.20	-14.66
5700.00	Peak	51.46	8.28	59.74	105.20	-45.46
5720.00	Peak	63.83	8.30	72.13	110.80	-38.67
5725.00	Peak	62.89	8.31	71.20	122.20	-51.00

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



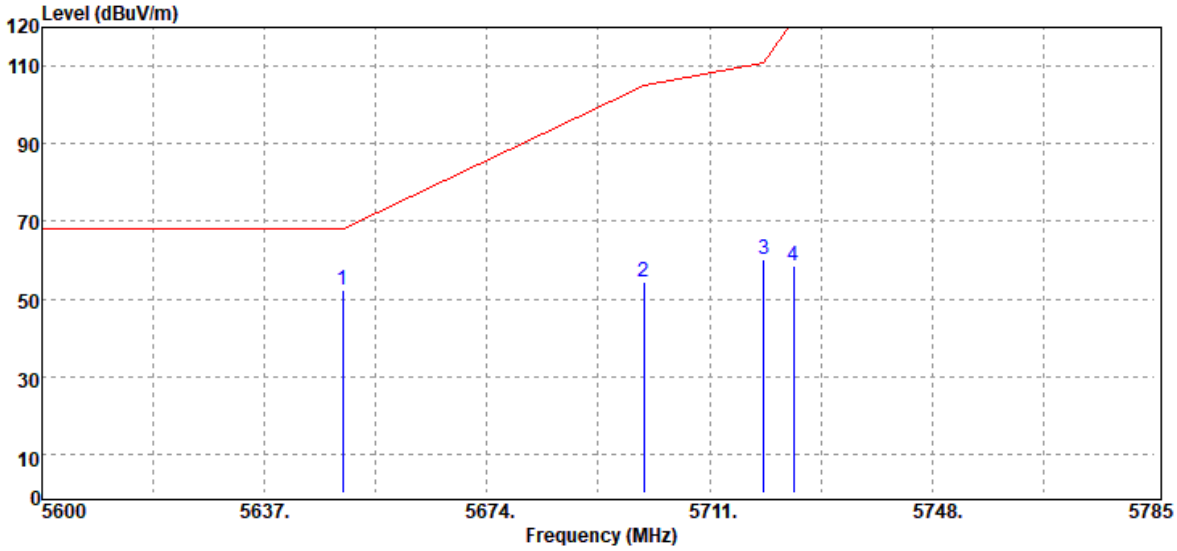
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	45.19	8.62	53.81	122.20	-68.39
5855.00	Peak	43.25	8.64	51.89	110.80	-58.91
5875.00	Peak	43.55	8.71	52.26	105.20	-52.94
5925.00	Peak	43.59	8.82	52.41	68.20	-15.79

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



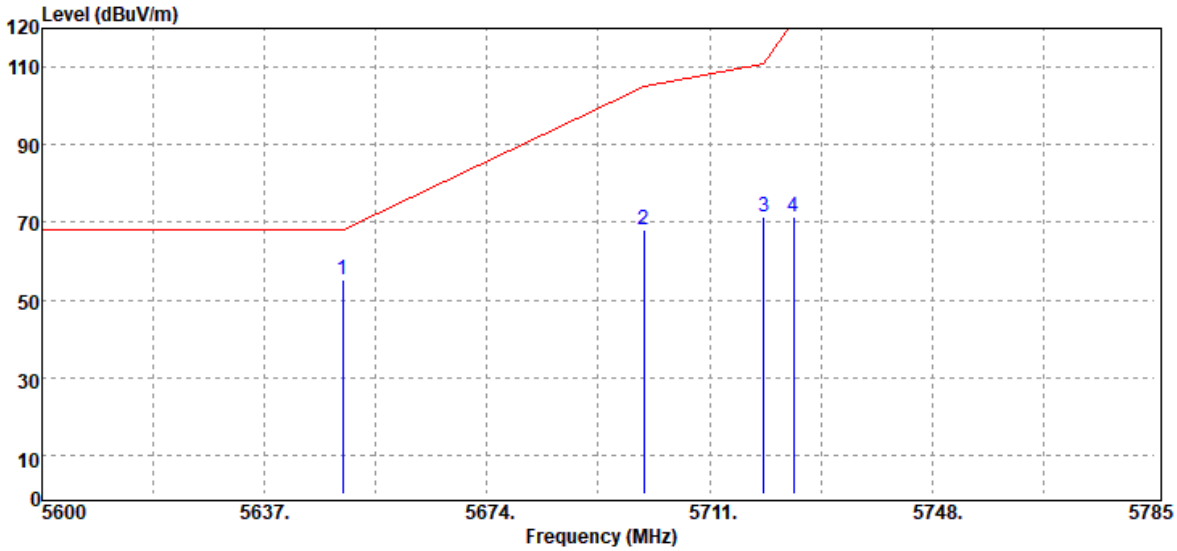
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	56.99	8.62	65.61	122.20	-56.59
5855.00	Peak	53.38	8.64	62.02	110.80	-48.78
5875.00	Peak	48.85	8.71	57.56	105.20	-47.64
5925.00	Peak	43.48	8.82	52.30	68.20	-15.90

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



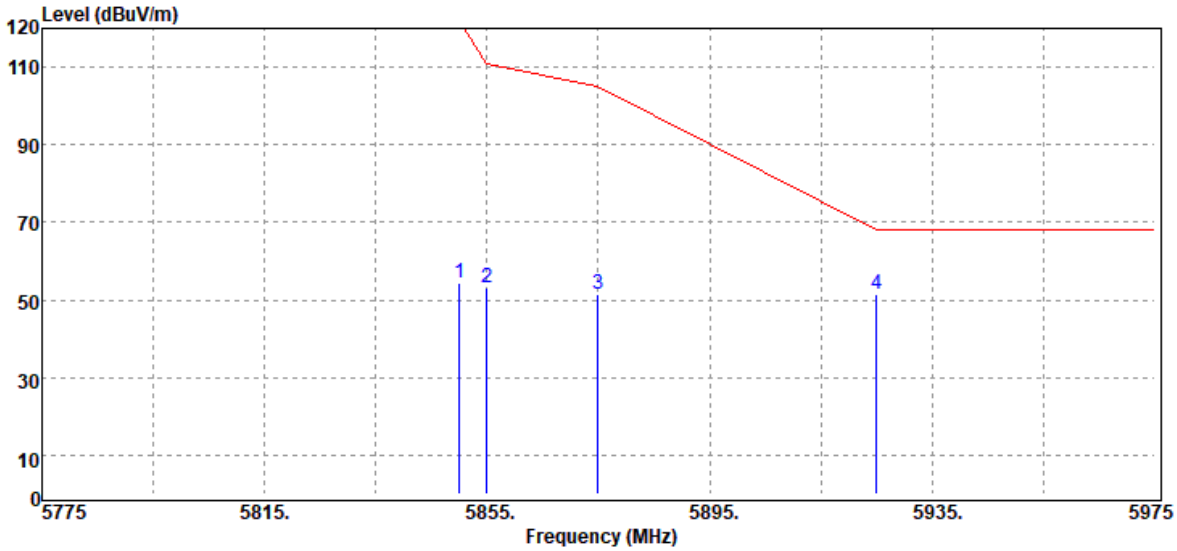
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	44.01	8.17	52.18	68.20	-16.02
5700.00	Peak	45.98	8.28	54.26	105.20	-50.94
5720.00	Peak	51.76	8.30	60.06	110.80	-50.74
5725.00	Peak	50.18	8.31	58.49	122.20	-63.71

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



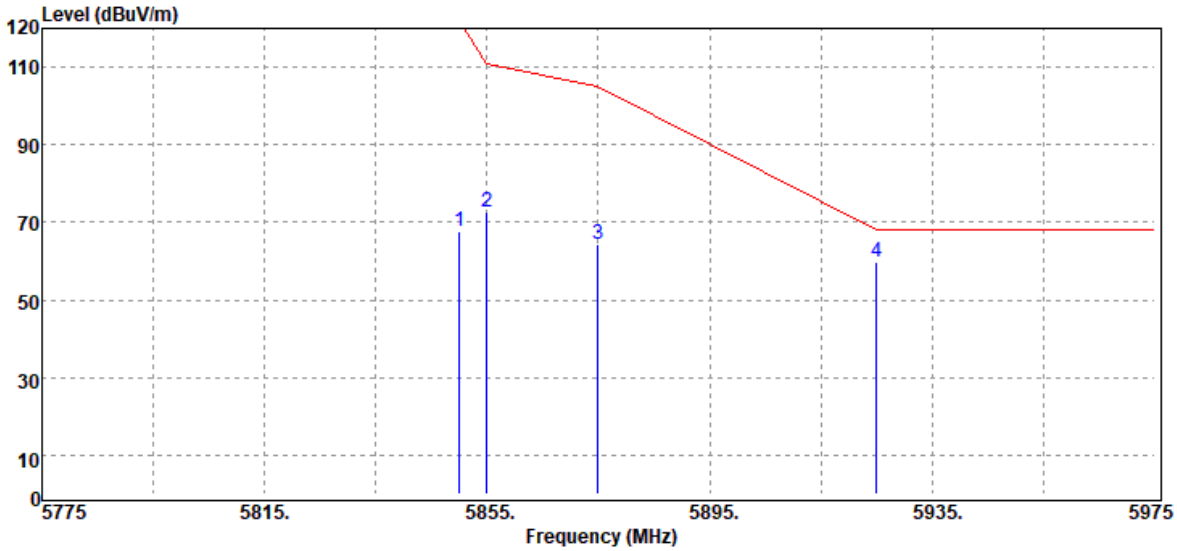
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	47.14	8.17	55.31	68.20	-12.89
5700.00	Peak	59.84	8.28	68.12	105.20	-37.08
5720.00	Peak	62.99	8.30	71.29	110.80	-39.51
5725.00	Peak	63.04	8.31	71.35	122.20	-50.85

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
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	45.81	8.62	54.43	122.20	-67.77
5855.00	Peak	44.42	8.64	53.06	110.80	-57.74
5875.00	Peak	42.69	8.71	51.40	105.20	-53.80
5925.00	Peak	42.81	8.82	51.63	68.20	-16.57

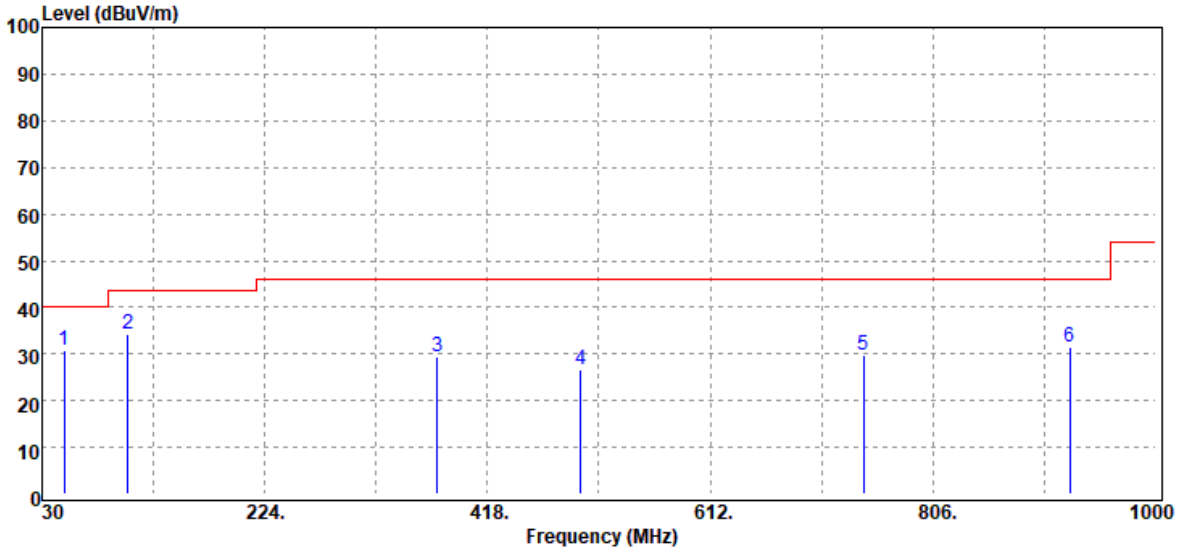
Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Band Edge	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



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	58.93	8.62	67.55	122.20	-54.65
5855.00	Peak	63.85	8.64	72.49	110.80	-38.31
5875.00	Peak	55.46	8.71	64.17	105.20	-41.03
5925.00	Peak	51.02	8.82	59.84	68.20	-8.36

Below 1G Test Data

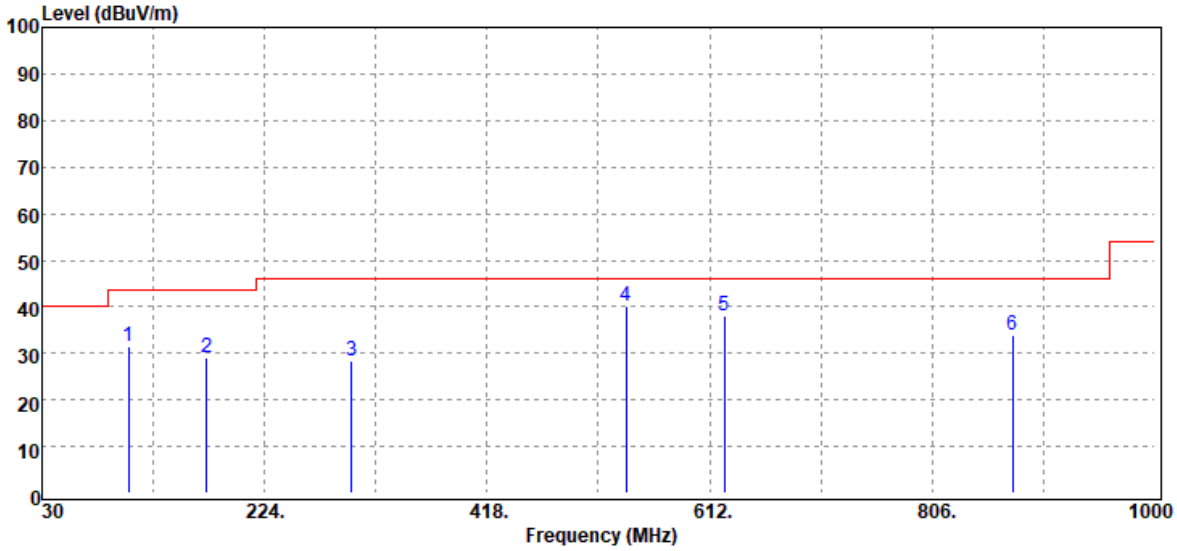
Test Mode	Mode 1	Temp/Hum	23.9(℃)/ 52%RH
Test Item	30MHz-1GHz	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
49.40	Peak	45.89	-15.12	30.77	40.00	-9.23
104.69	Peak	45.76	-11.41	34.35	43.50	-9.15
374.35	Peak	35.87	-6.60	29.27	46.00	-16.73
499.48	Peak	29.85	-3.30	26.55	46.00	-19.45
745.86	Peak	29.01	0.77	29.78	46.00	-16.22
925.31	Peak	28.22	3.38	31.60	46.00	-14.40

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.

Test Mode	Mode 1	Temp/Hum	23.9(℃)/ 52%RH
Test Item	30MHz-1GHz	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



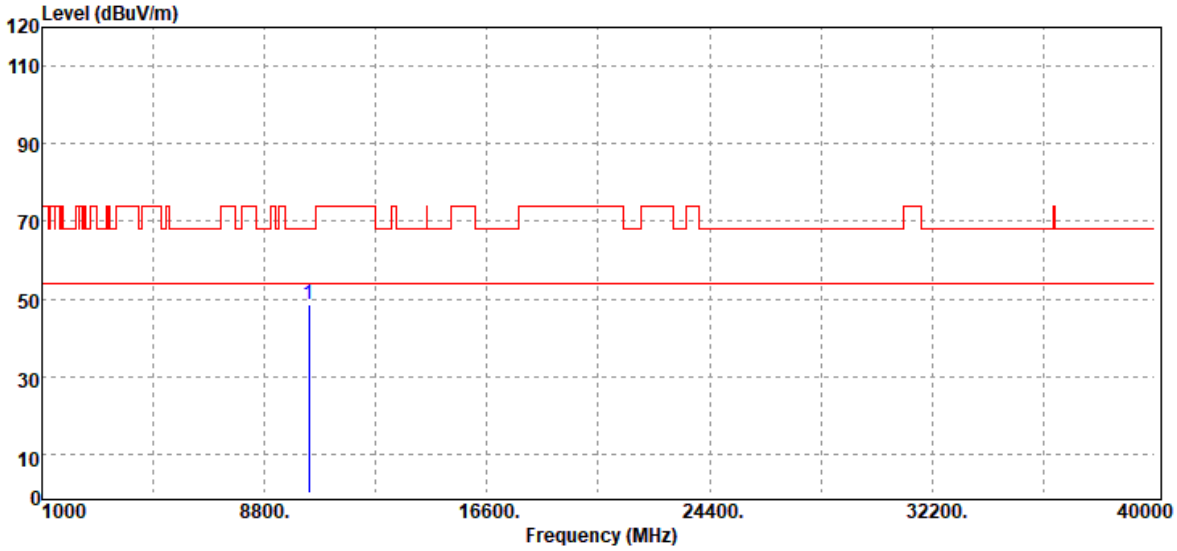
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
105.66	Peak	42.63	-11.23	31.40	43.50	-12.10
173.56	Peak	40.10	-11.10	29.00	43.50	-14.50
299.66	Peak	36.96	-8.61	28.35	46.00	-17.65
539.25	Peak	42.71	-2.43	40.28	46.00	-5.72
624.61	Peak	38.97	-1.02	37.95	46.00	-8.05
875.84	Peak	31.13	2.70	33.83	46.00	-12.17

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

Above 1G

Test Data for UNII-1

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

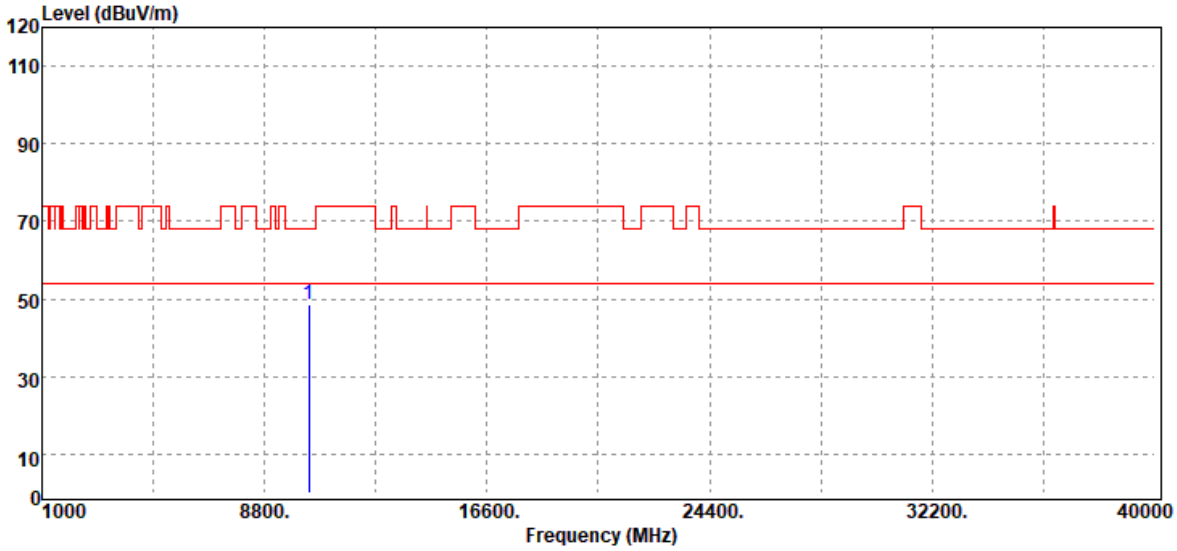


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	34.69	13.83	48.52	68.20	-19.68
N/A						

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.

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

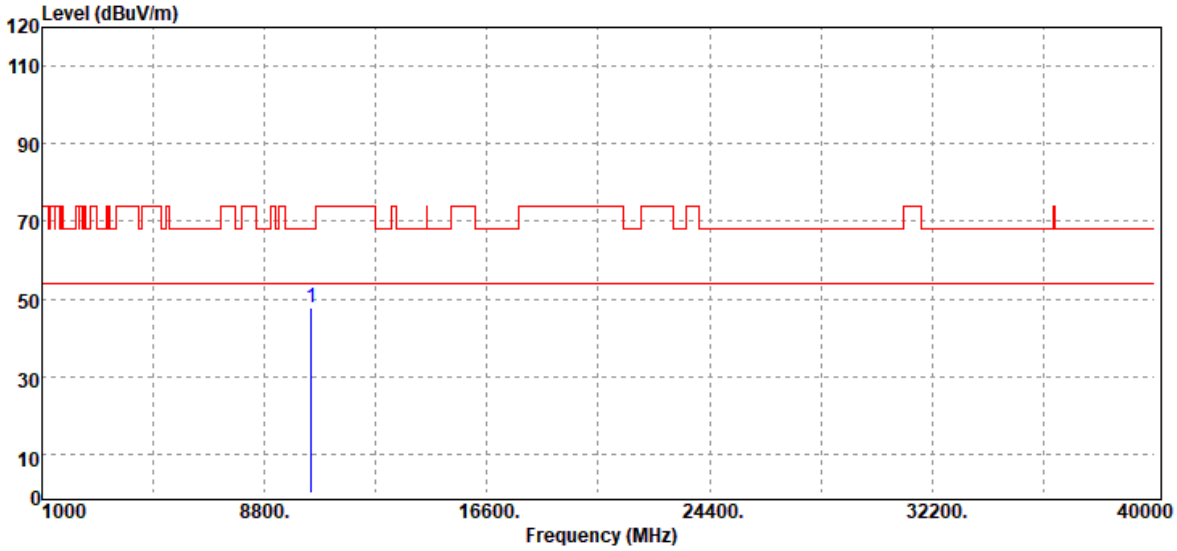


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	34.70	13.83	48.53	68.20	-19.67
N/A						

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.

Test Mode	IEEE 802.11a / 5220 MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonics	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

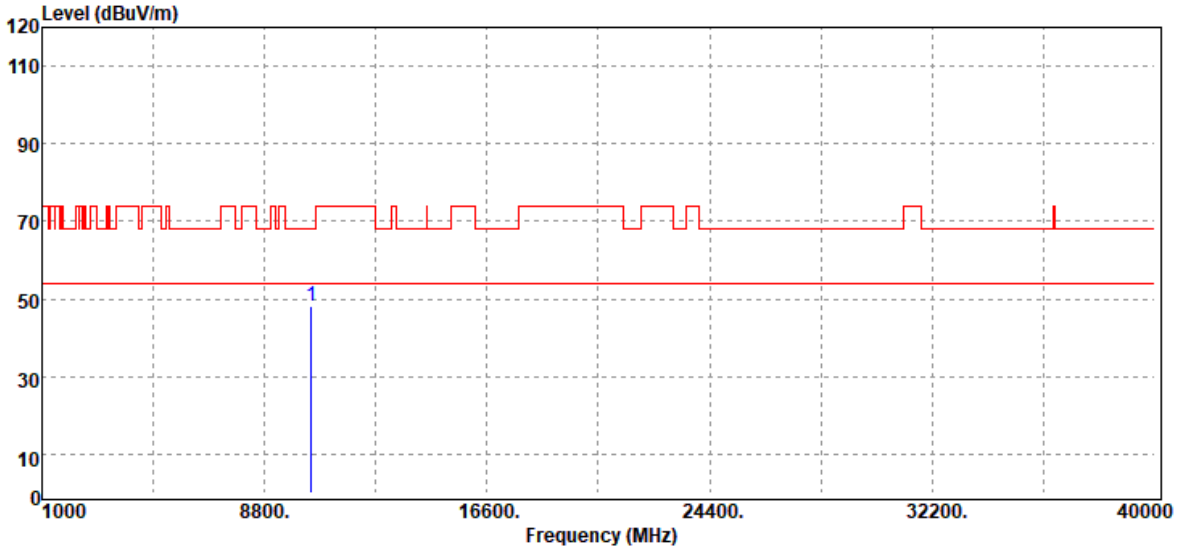


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	33.65	13.98	47.63	68.20	-20.57
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5220 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

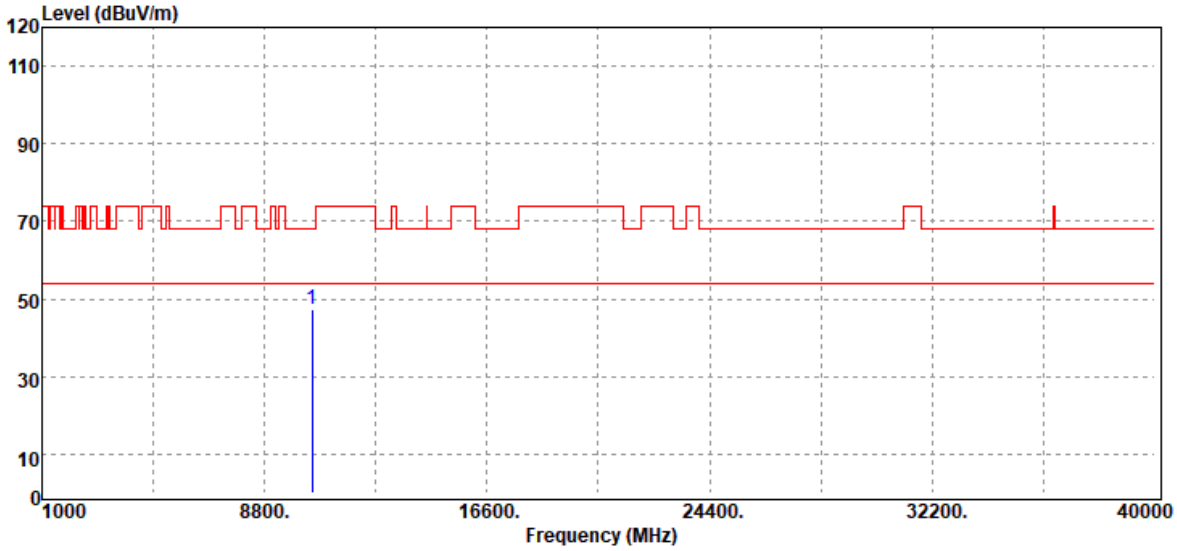


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	34.06	13.98	48.04	68.20	-20.16
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

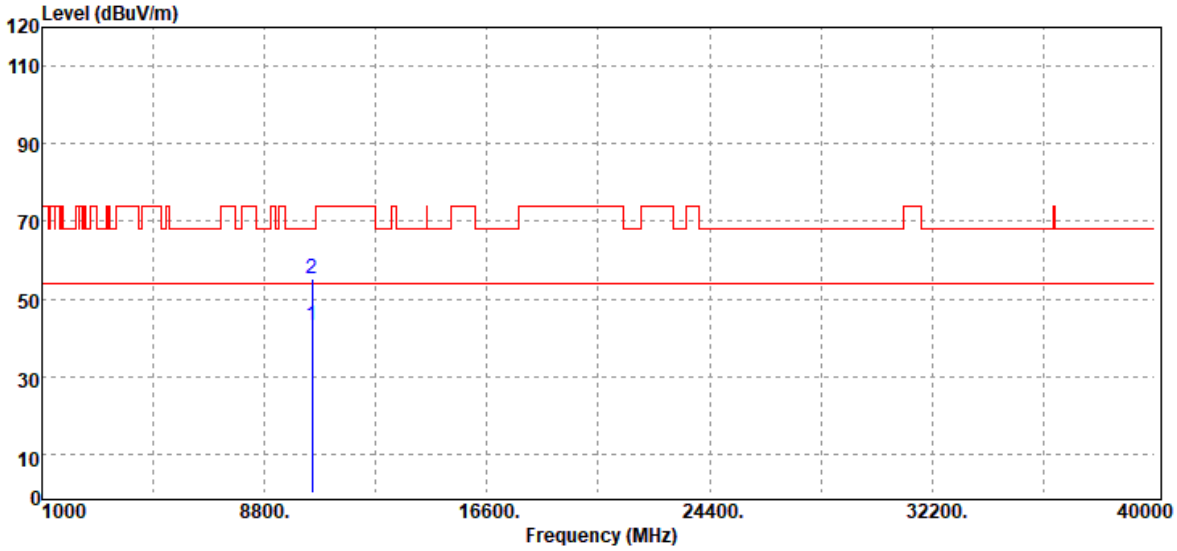


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	33.31	14.09	47.40	68.20	-20.80
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

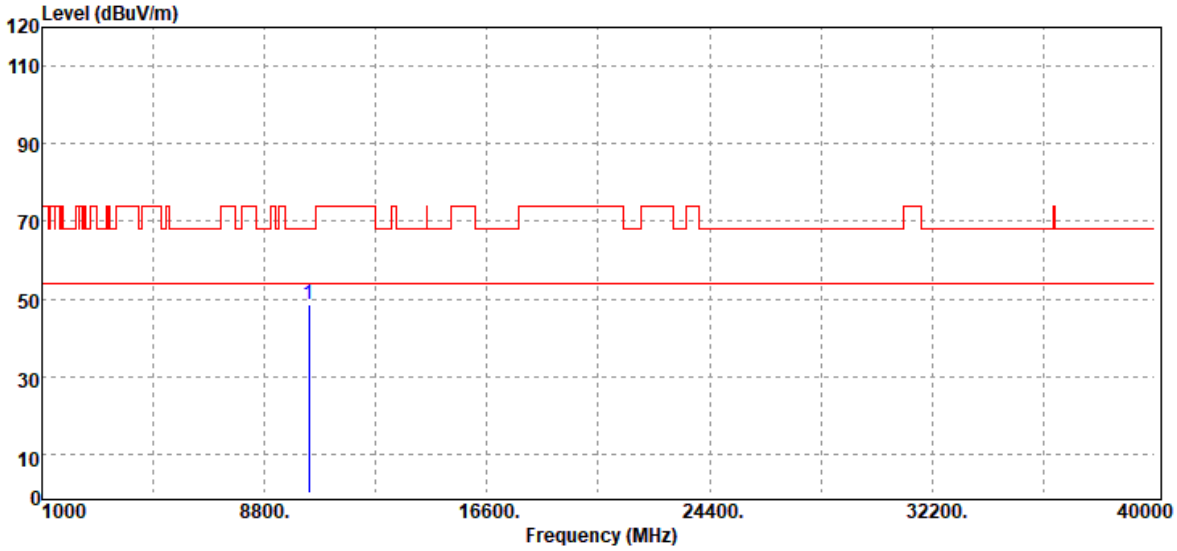


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	34.70	14.09	48.79	68.20	-19.41
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5180MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

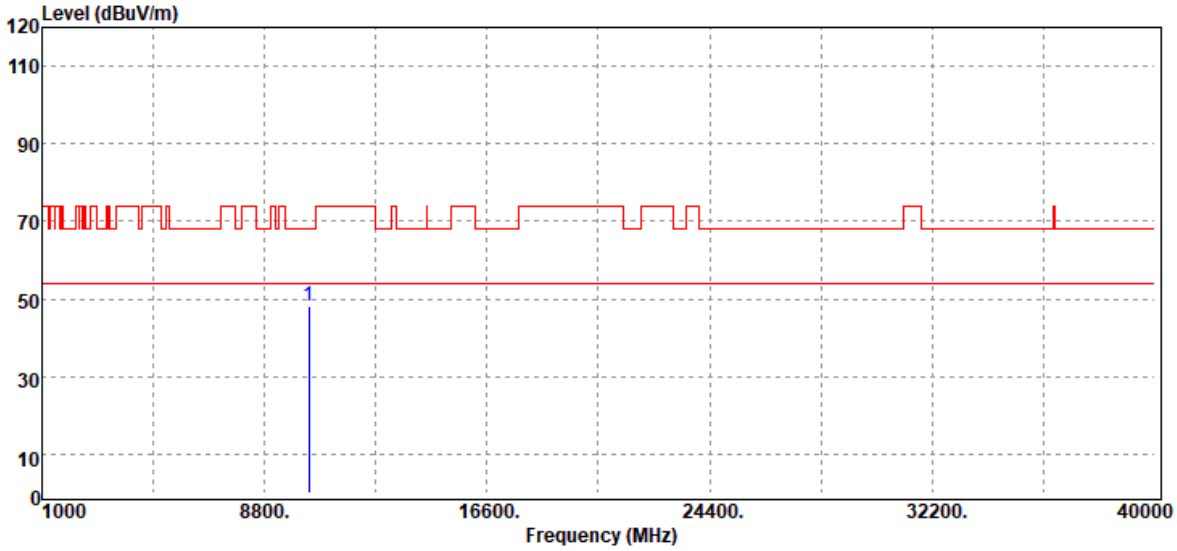


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	34.66	13.83	48.49	68.20	-19.71
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz/ 5180MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

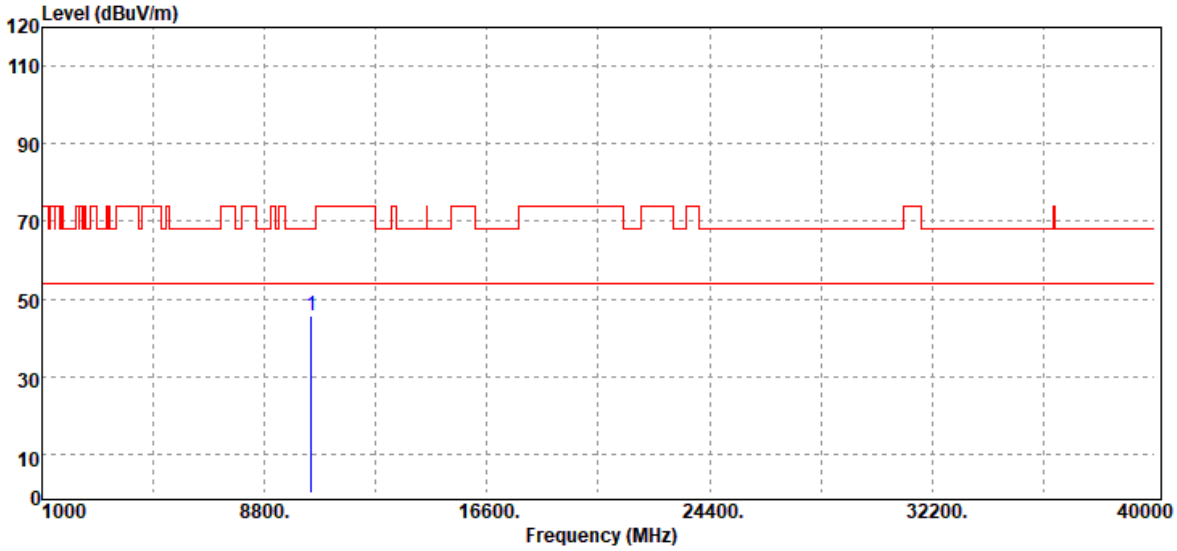


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	34.18	13.83	48.01	68.20	-20.19
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5220MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

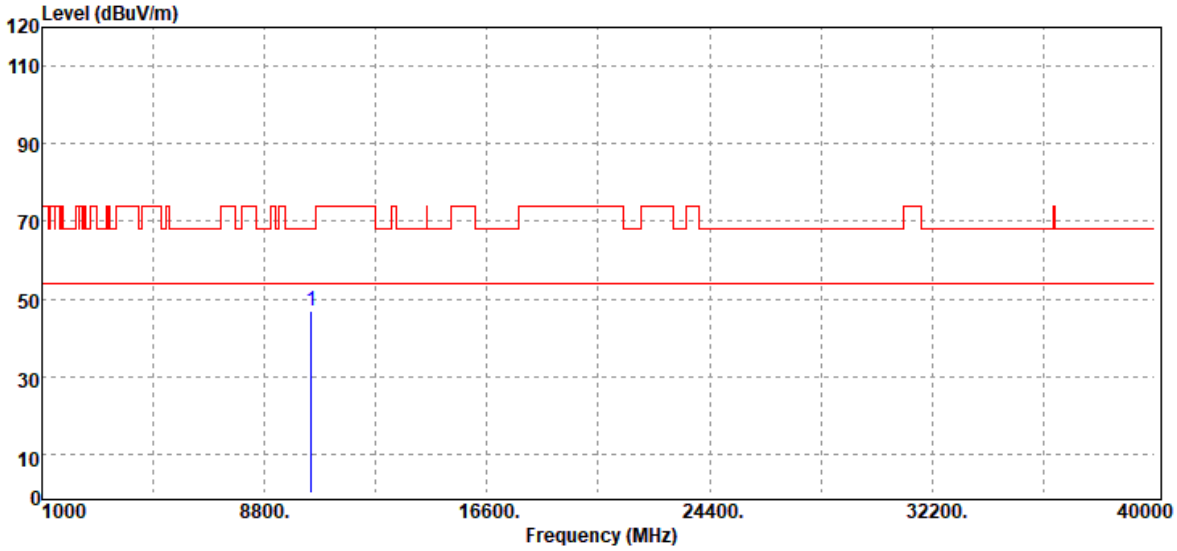


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	31.67	13.98	45.65	68.20	-22.55
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5220MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

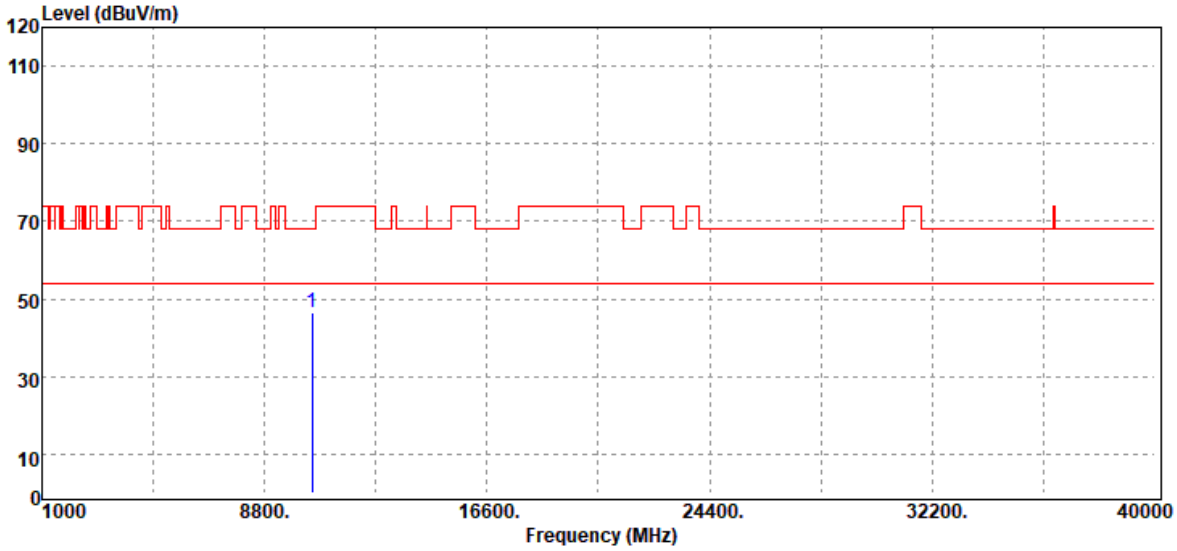


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	32.76	13.98	46.74	68.20	-21.46
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5240MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

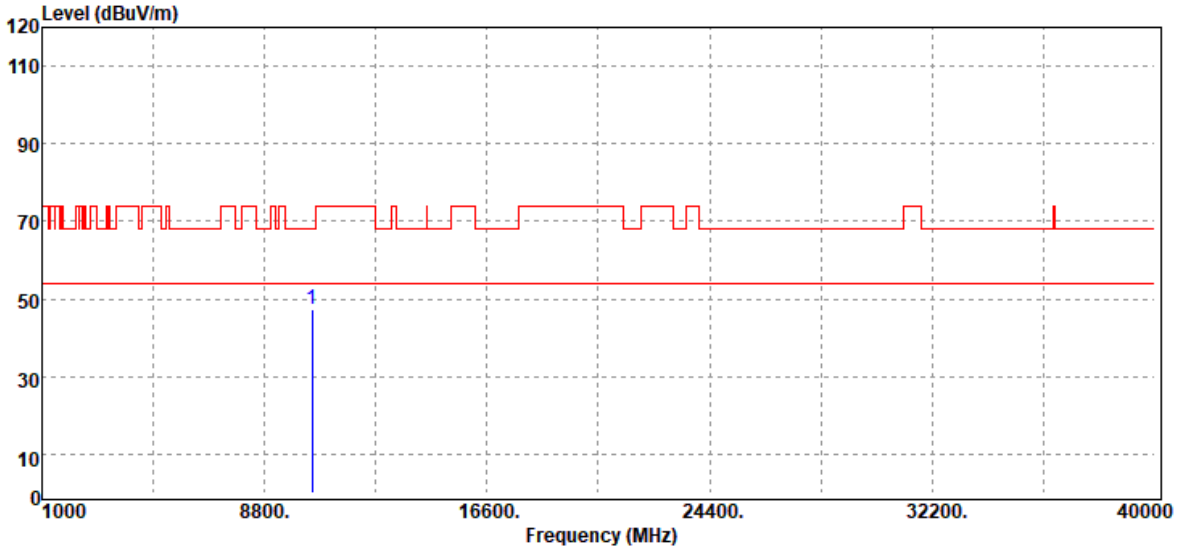


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	32.53	14.09	46.62	68.20	-21.58
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5240MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

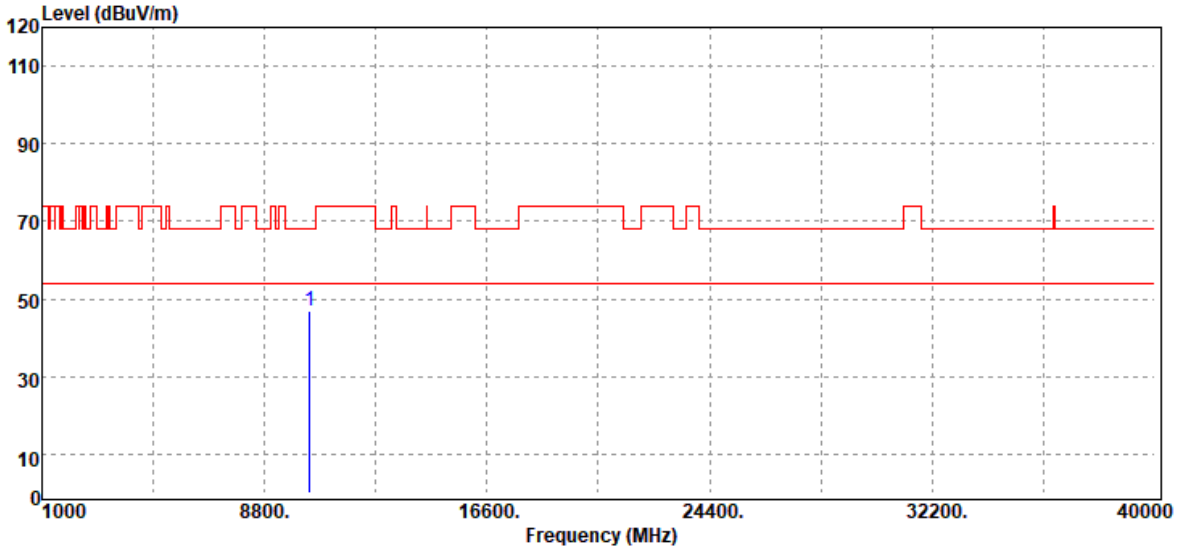


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	33.16	14.09	47.25	68.20	-20.95
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

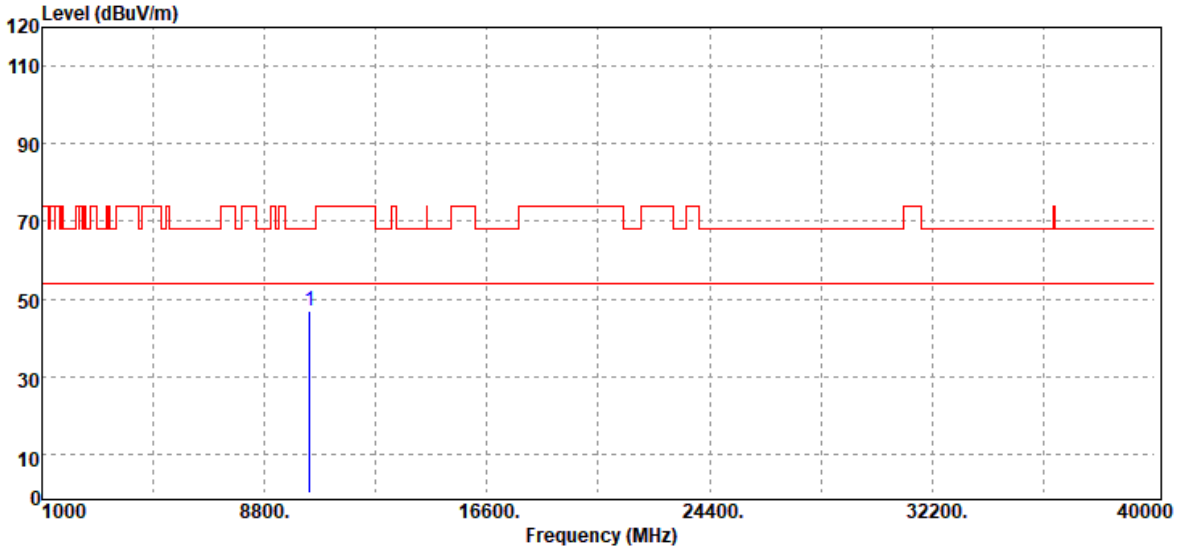


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10380.00	Peak	33.24	13.84	47.08	68.20	-21.12
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

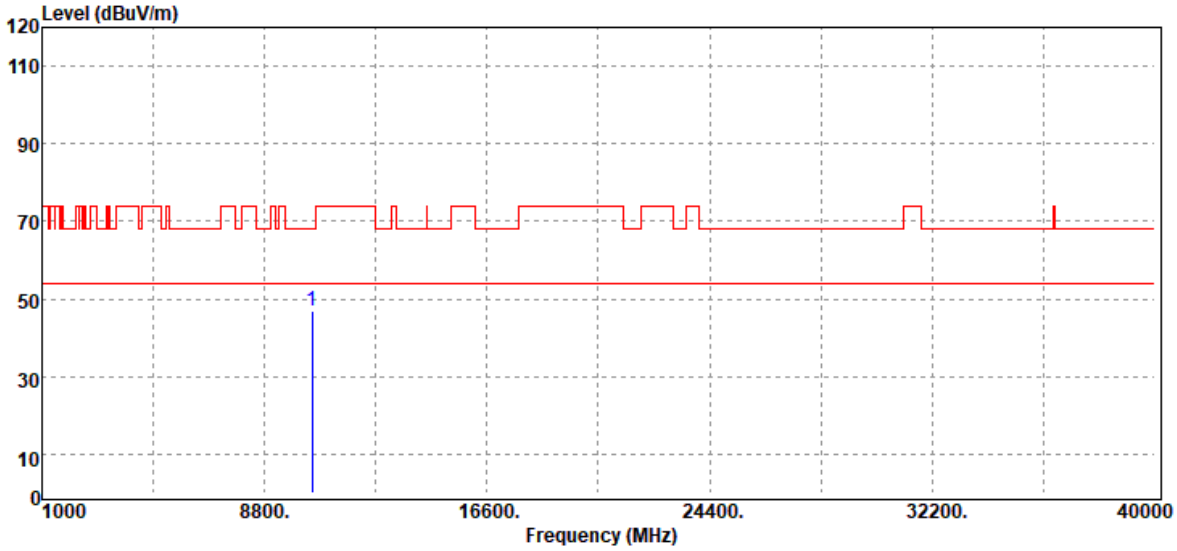


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10380.00	Peak	33.16	13.84	47.00	68.20	-21.20
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

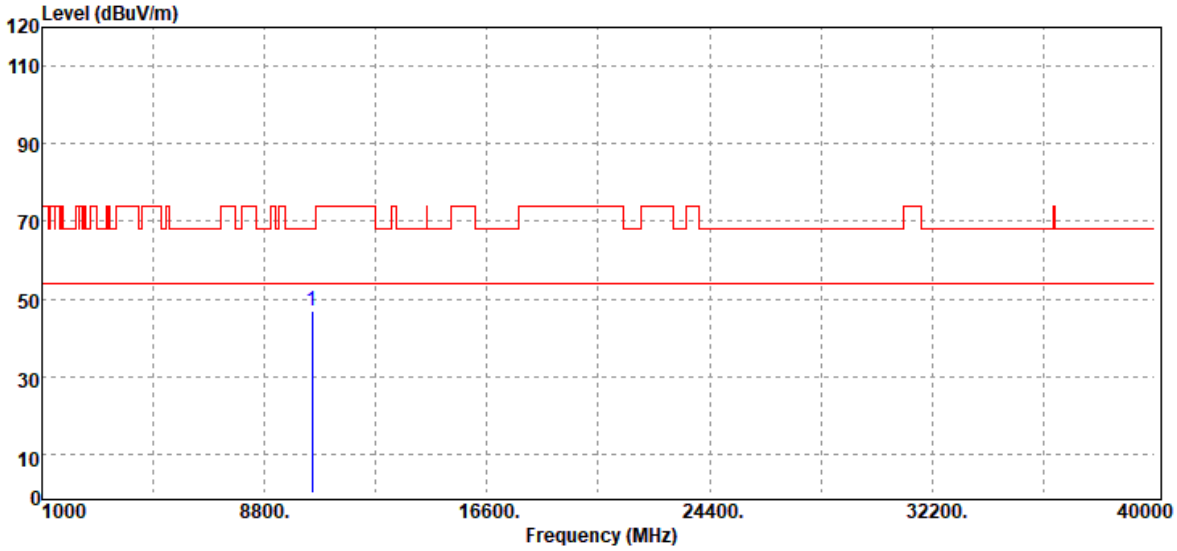


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10460.00	Peak	32.78	14.03	46.81	68.20	-21.39
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

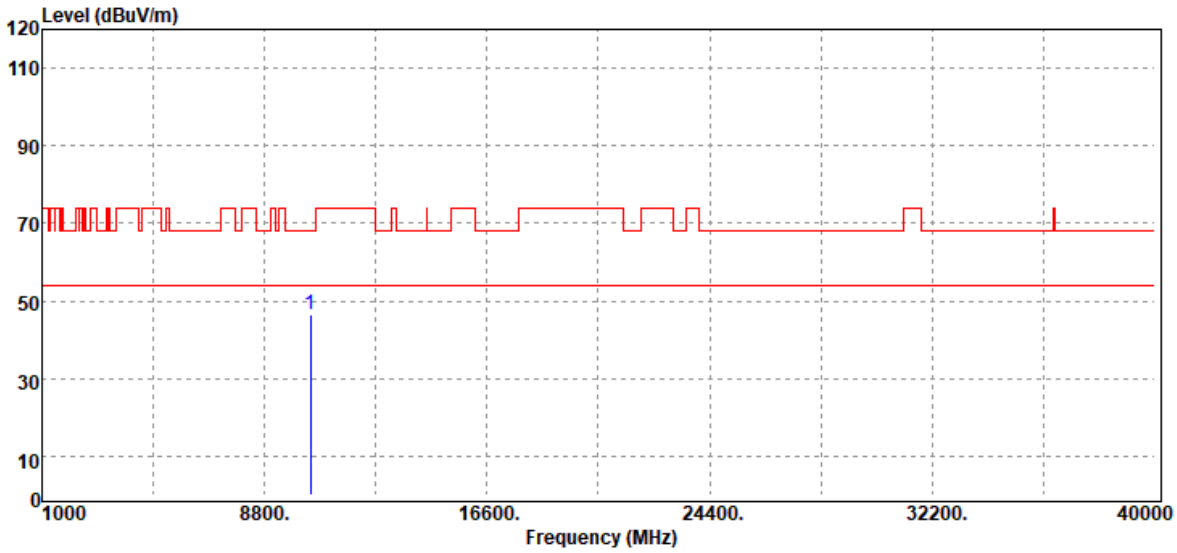


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10460.00	Peak	32.74	14.03	46.77	68.20	-21.43
N/A						

Remark:

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

Test Mode	IEEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

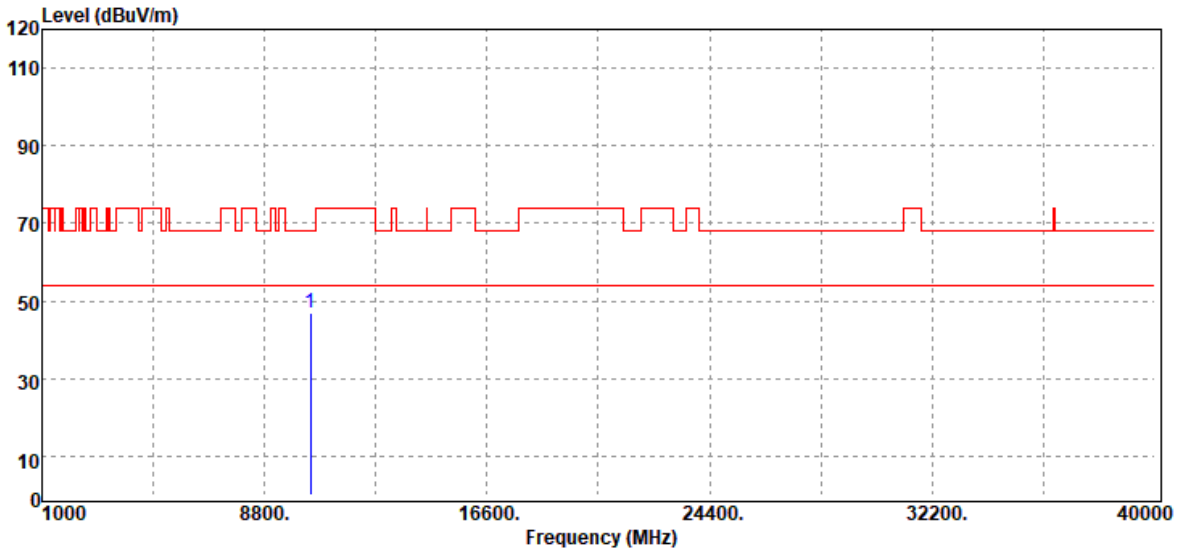


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10420.00	Peak	32.59	13.91	46.50	68.20	-21.70
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



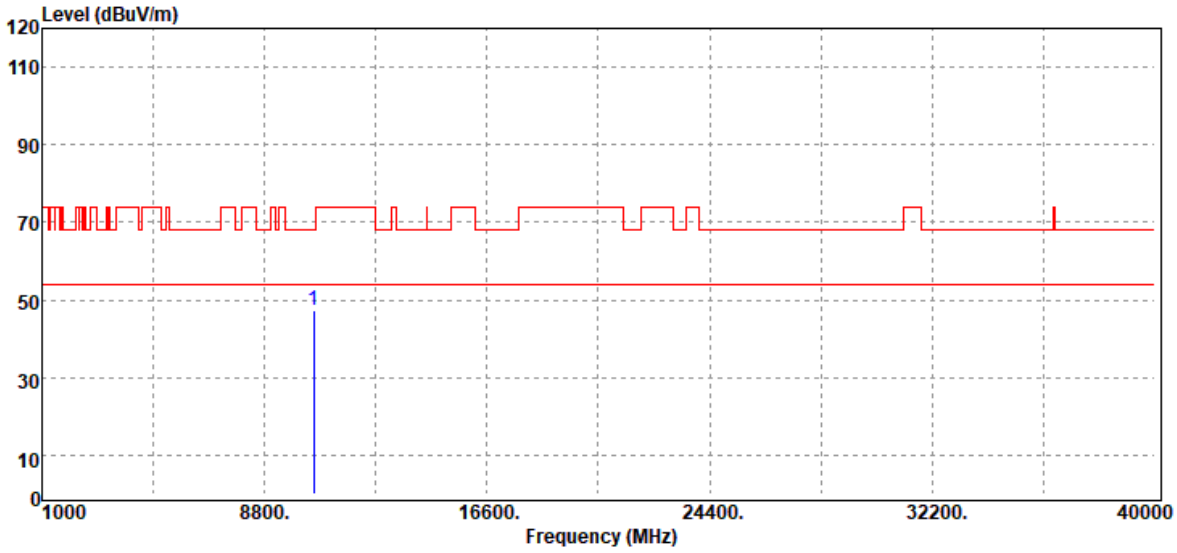
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10420.00	Peak	32.98	13.91	46.89	68.20	-21.31
N/A						

Remark:

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

Test Data for UNII-2a

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

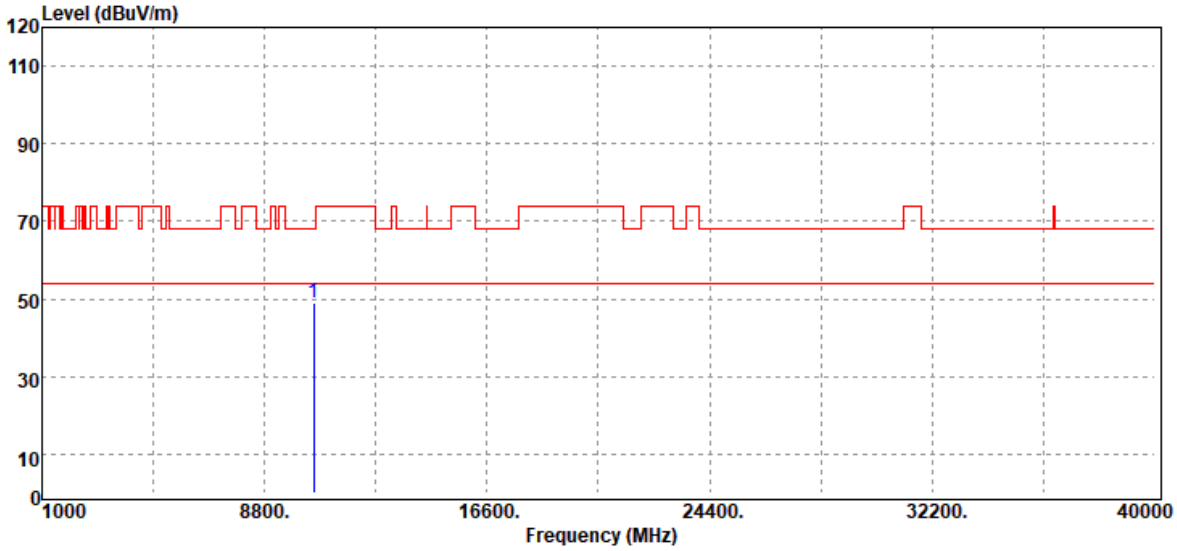


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	33.16	14.11	47.27	68.20	-20.93
N/A						

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.

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

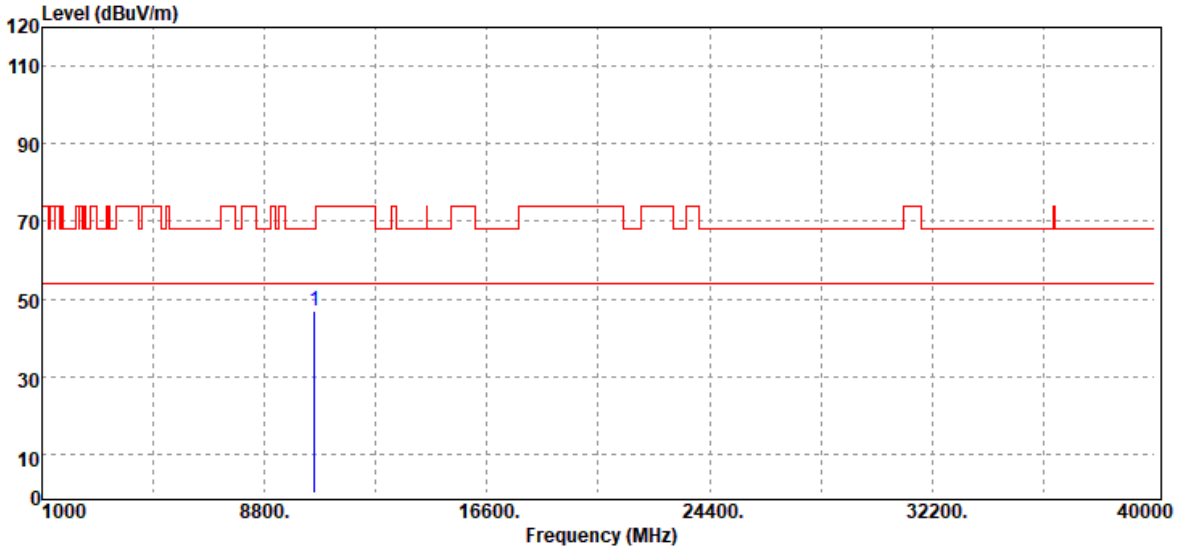


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	35.08	14.11	49.19	68.20	-19.01
N/A						

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.

Test Mode	IEEE 802.11a / 5280 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

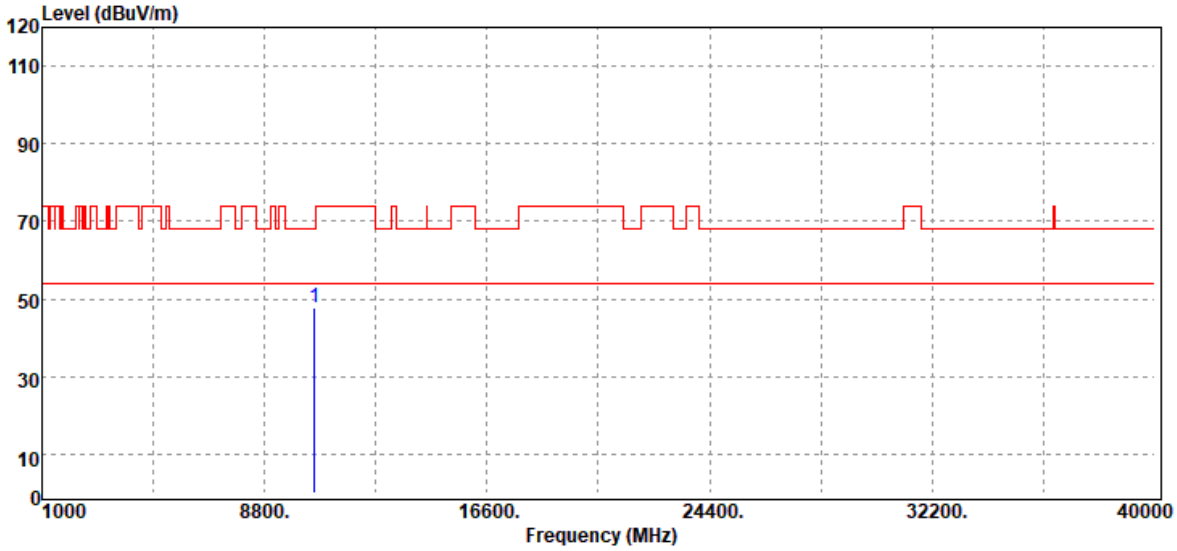


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	33.01	14.09	47.10	68.20	-21.10
N/A						

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.

Test Mode	IEEE 802.11a / 5280 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

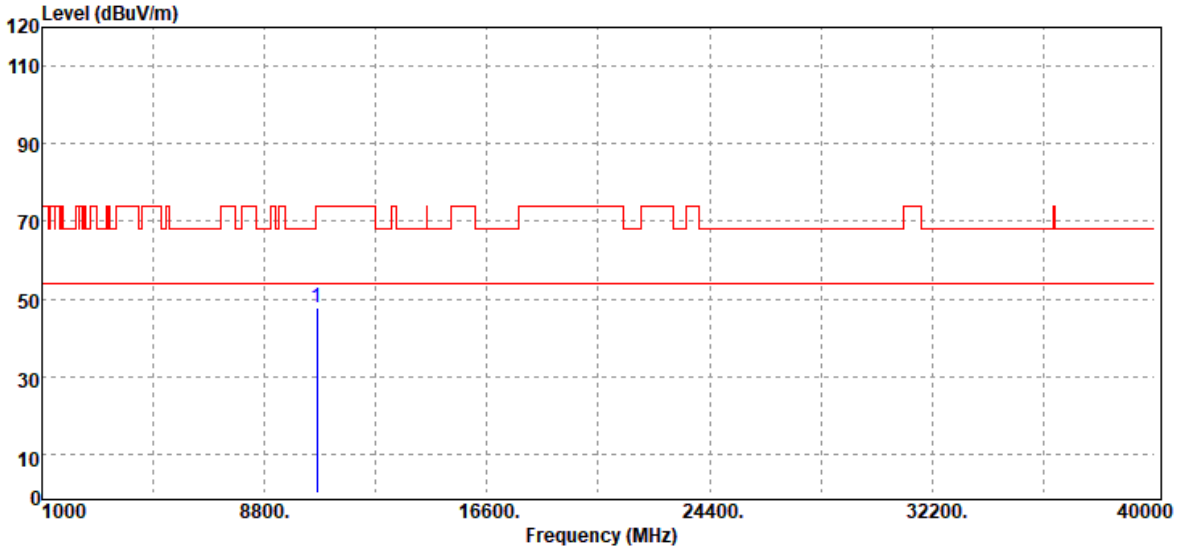


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	33.77	14.09	47.86	68.20	-20.34
N/A						

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.

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

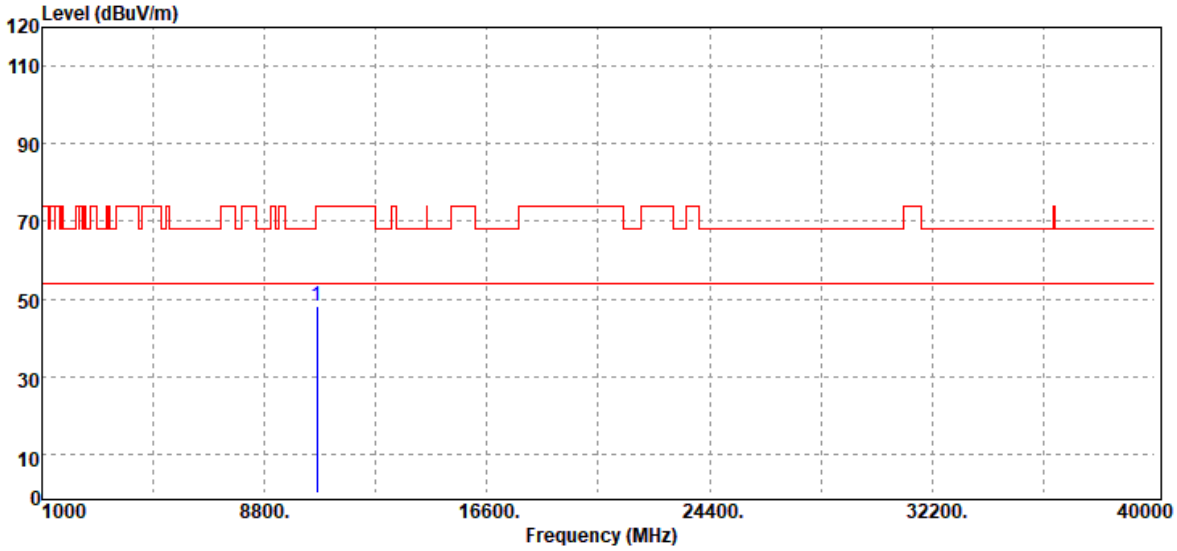


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	32.94	14.62	47.56	74.00	-26.44
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

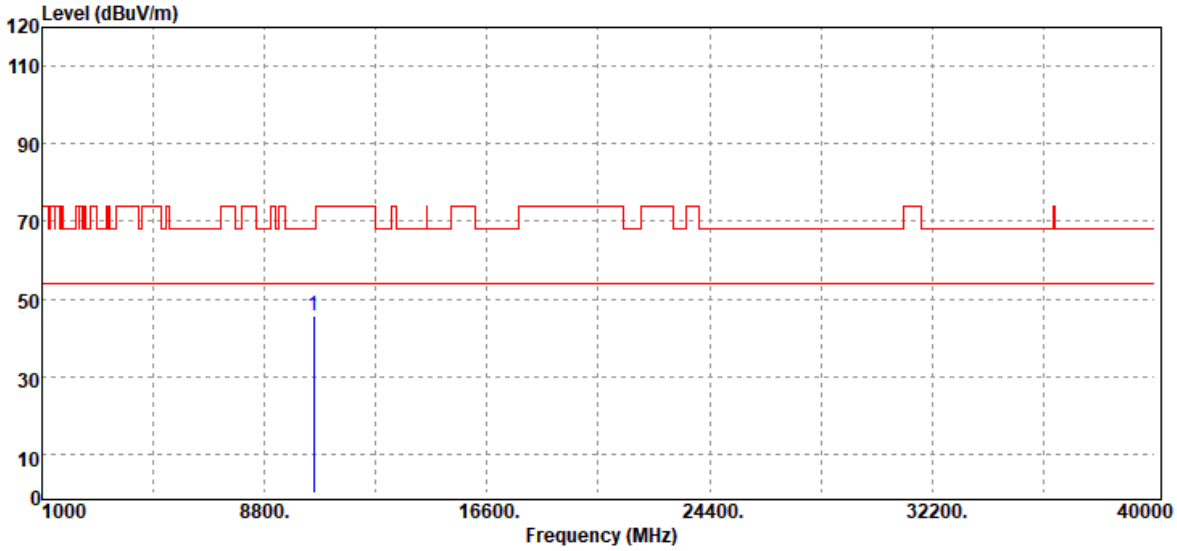


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	33.36	14.62	47.98	74.00	-26.02
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

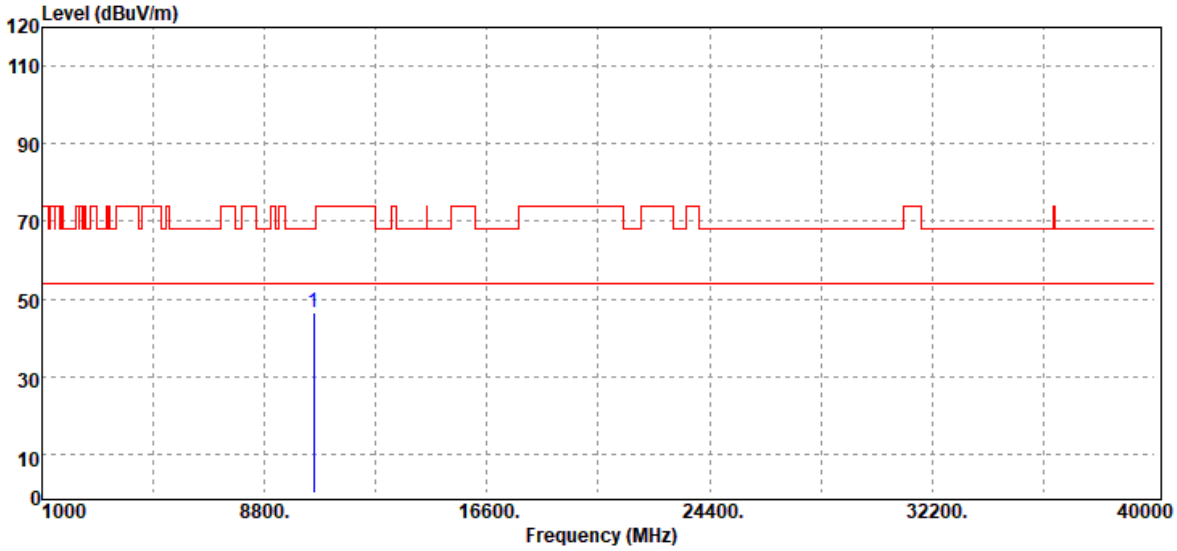


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	31.39	14.11	45.50	68.20	-22.70
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

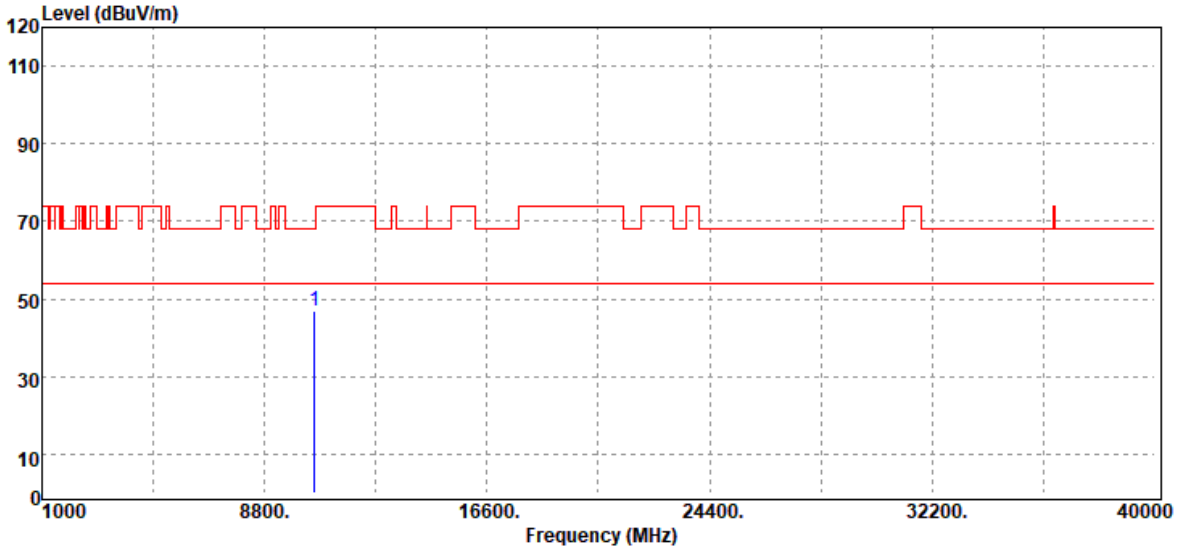


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	32.49	14.11	46.60	68.20	-21.60
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5280 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

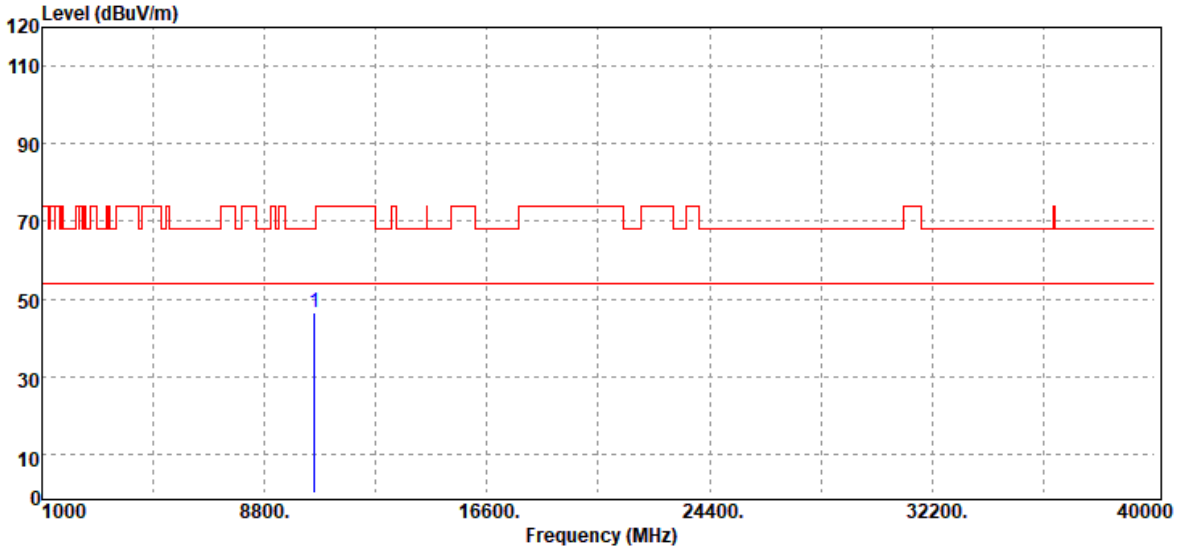


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	32.65	14.09	46.74	68.20	-21.46
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5280 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

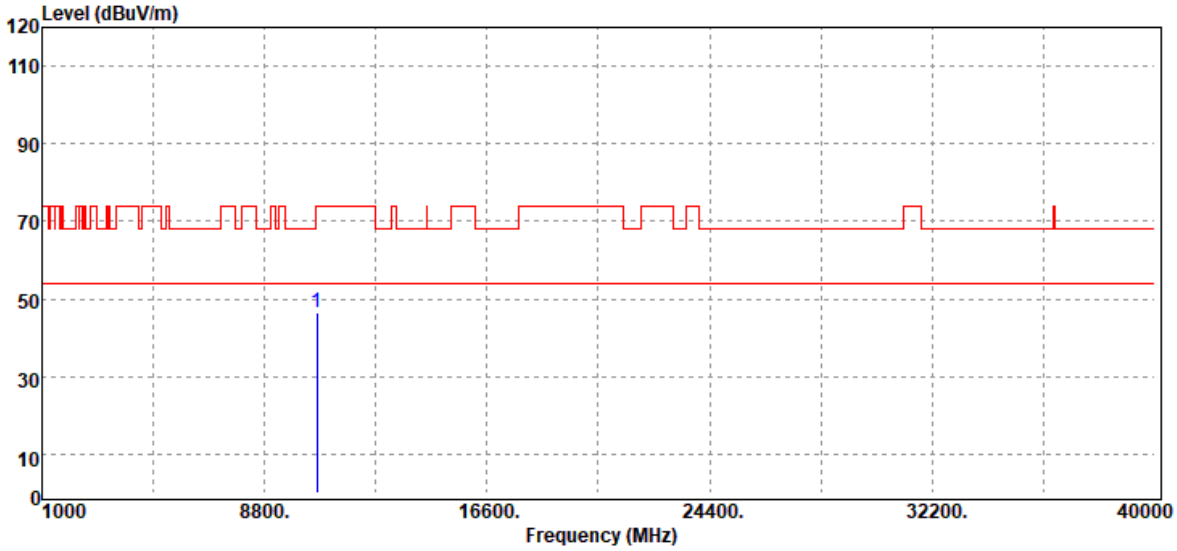


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	32.35	14.09	46.44	68.20	-21.76
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

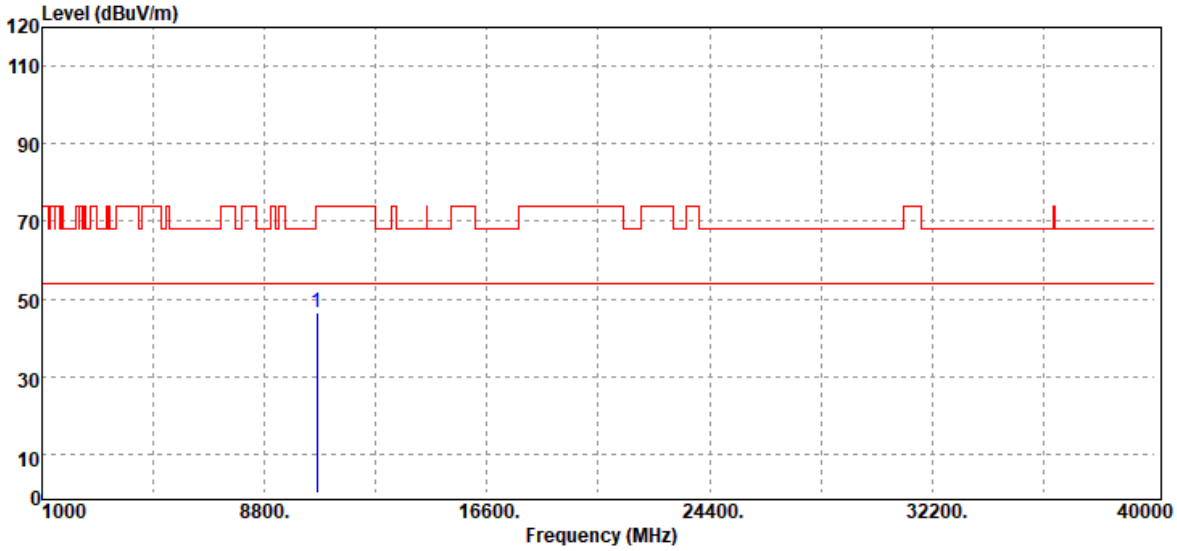


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	32.01	14.62	46.63	74.00	-27.37
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

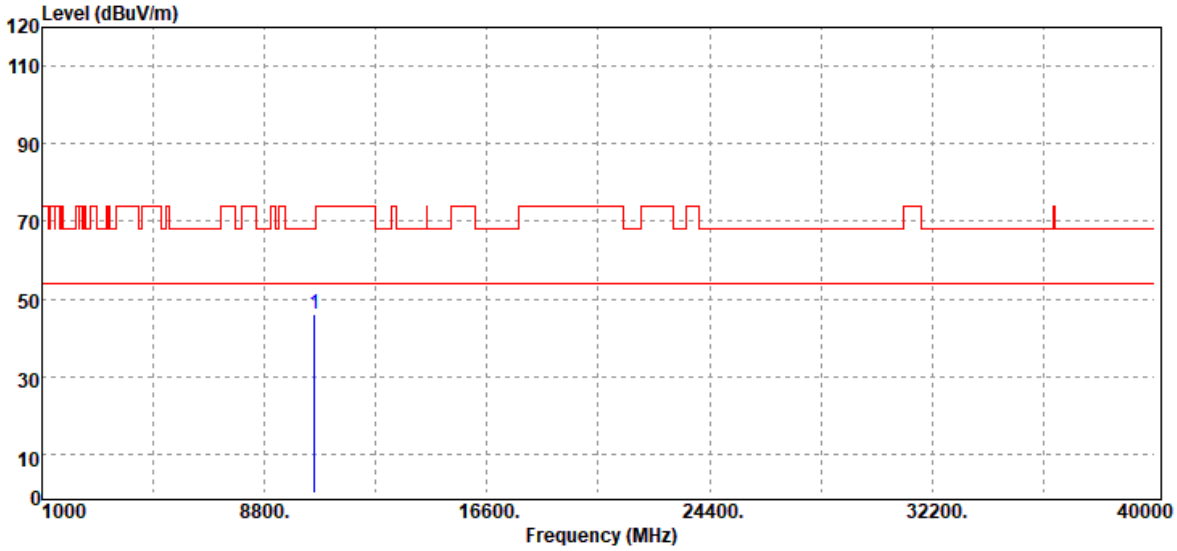


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	32.03	14.62	46.65	74.00	-27.35
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

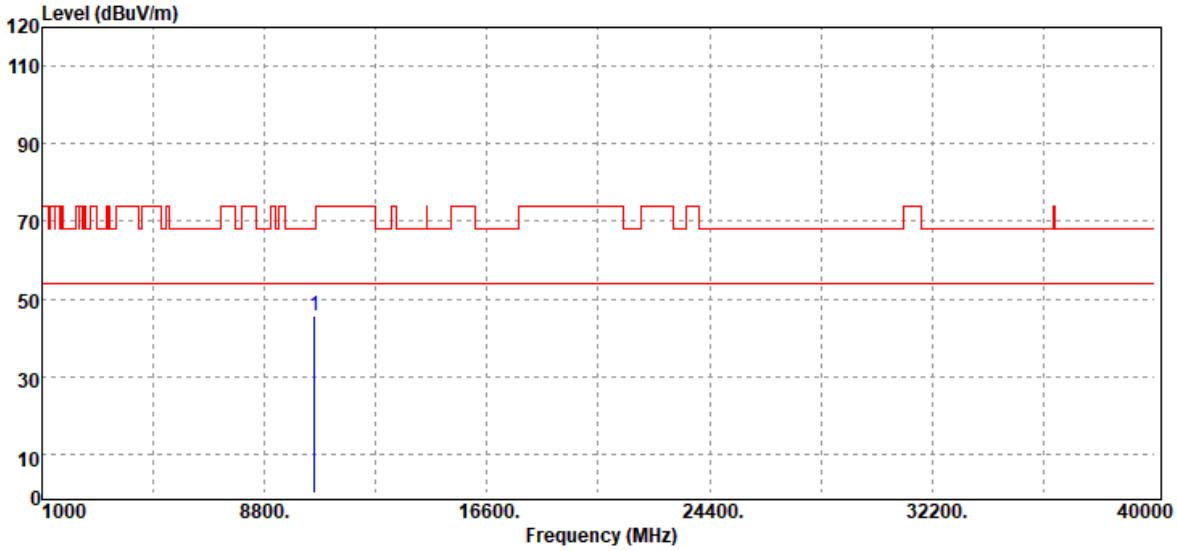


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10540.00	Peak	31.83	14.09	45.92	68.20	-22.28
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

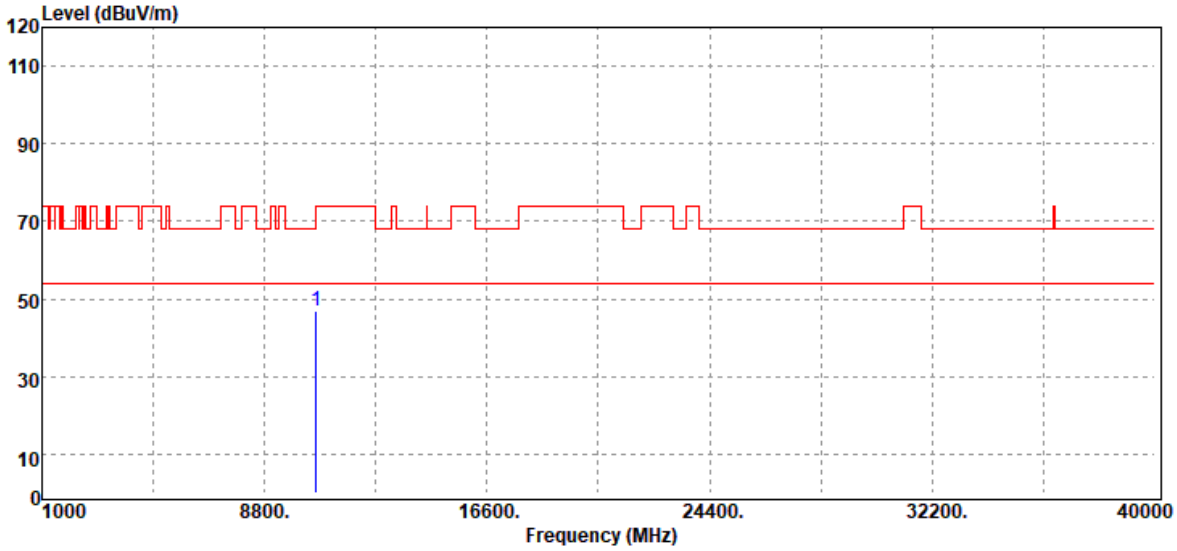


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10540.00	Peak	31.62	14.09	45.71	68.20	-22.49
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

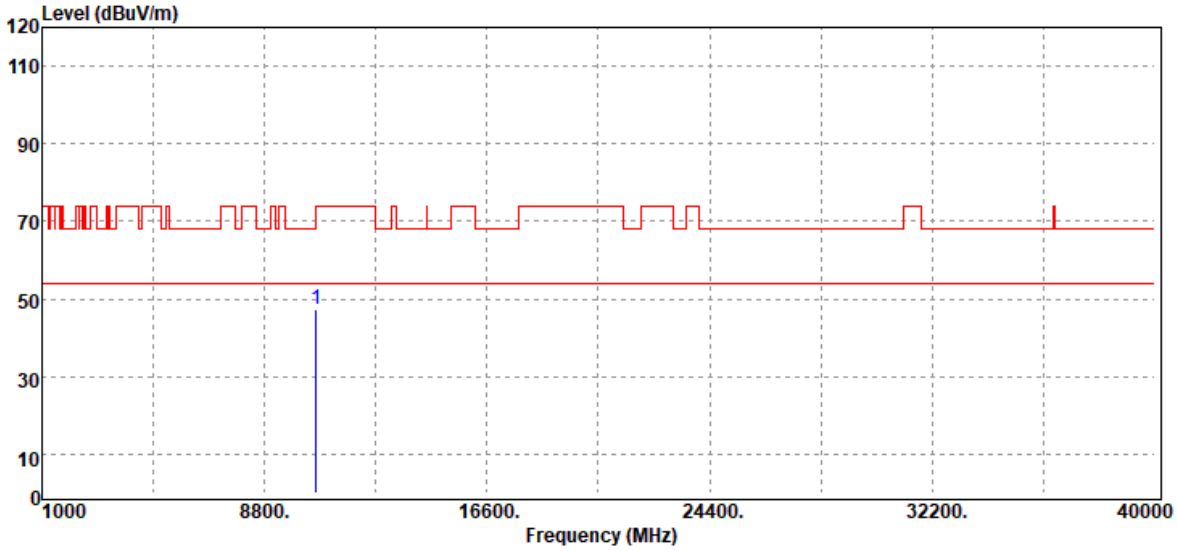


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10620.00	Peak	32.58	14.41	46.99	74.00	-27.01
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

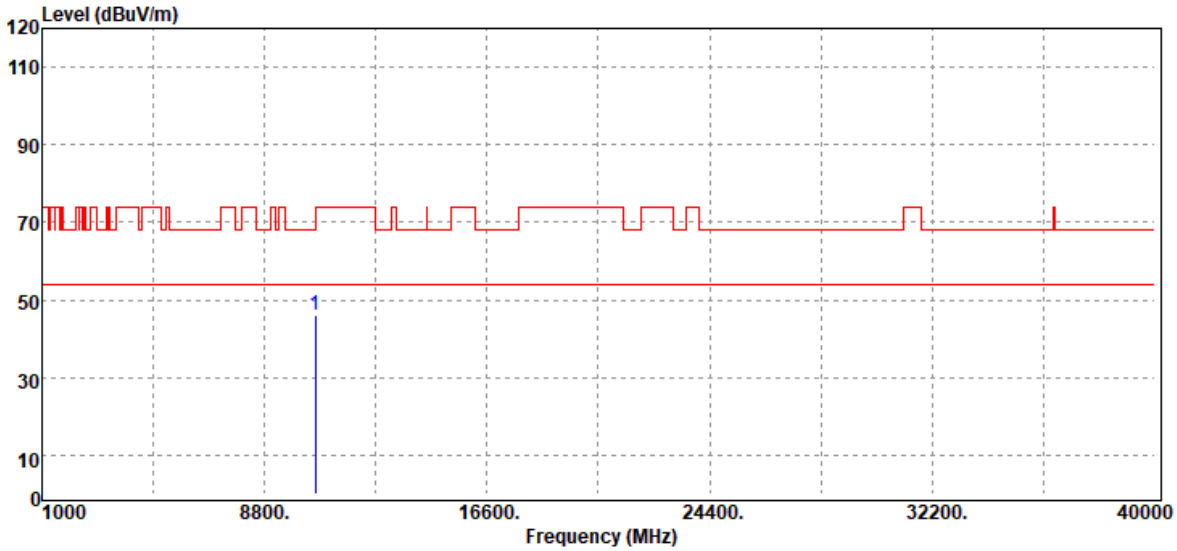


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10620.00	Peak	32.96	14.41	47.37	74.00	-26.63
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5290 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

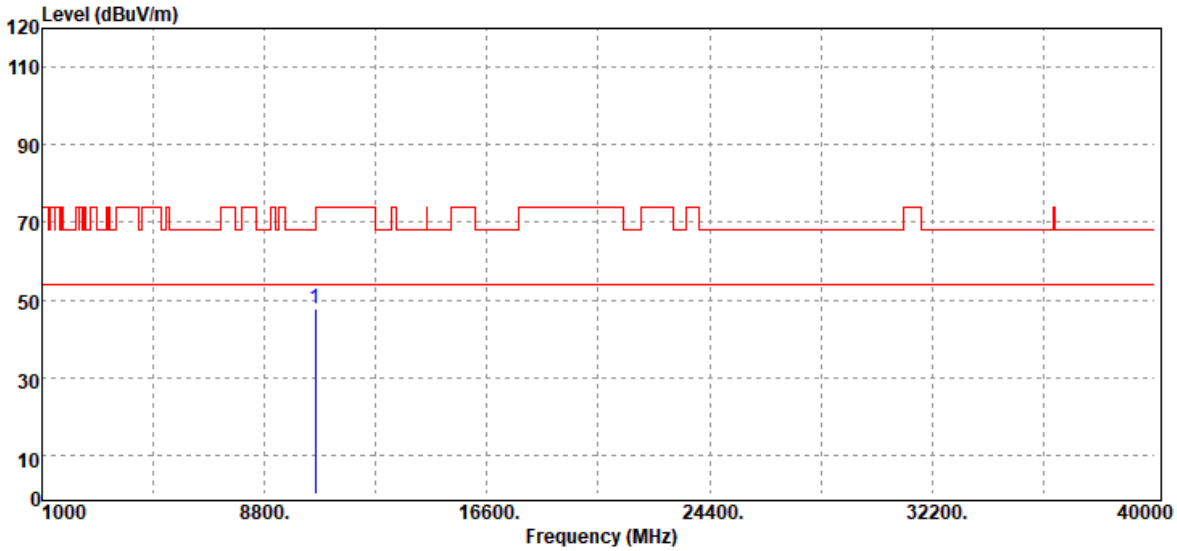


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10580.00	Peak	31.86	14.15	46.01	68.20	-22.19
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5290 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



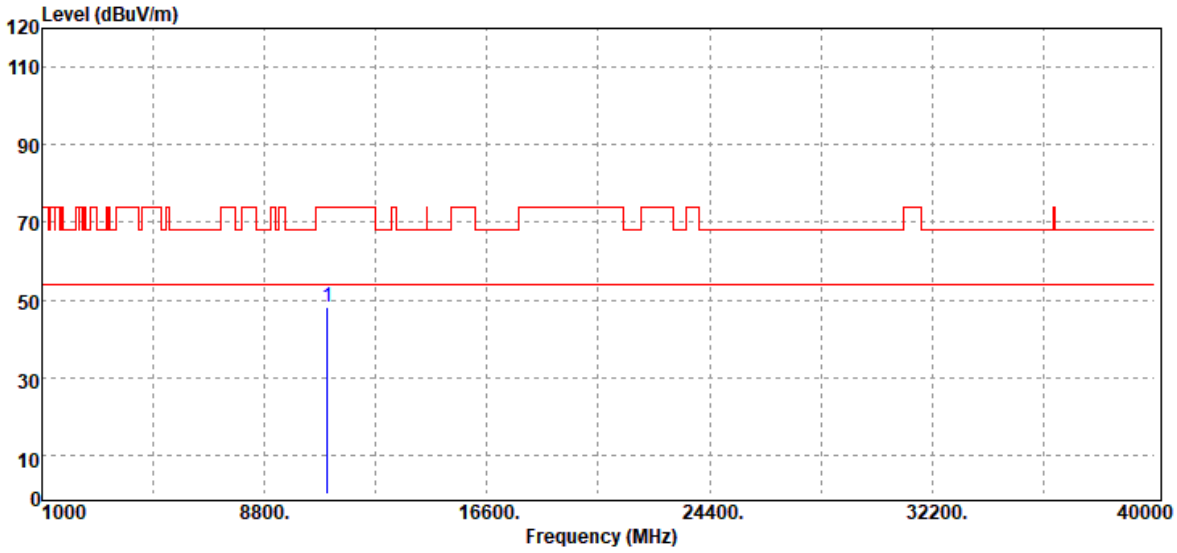
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10580.00	Peak	33.39	14.15	47.54	68.20	-20.66
N/A						

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.

Test Data for UNII-2c

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

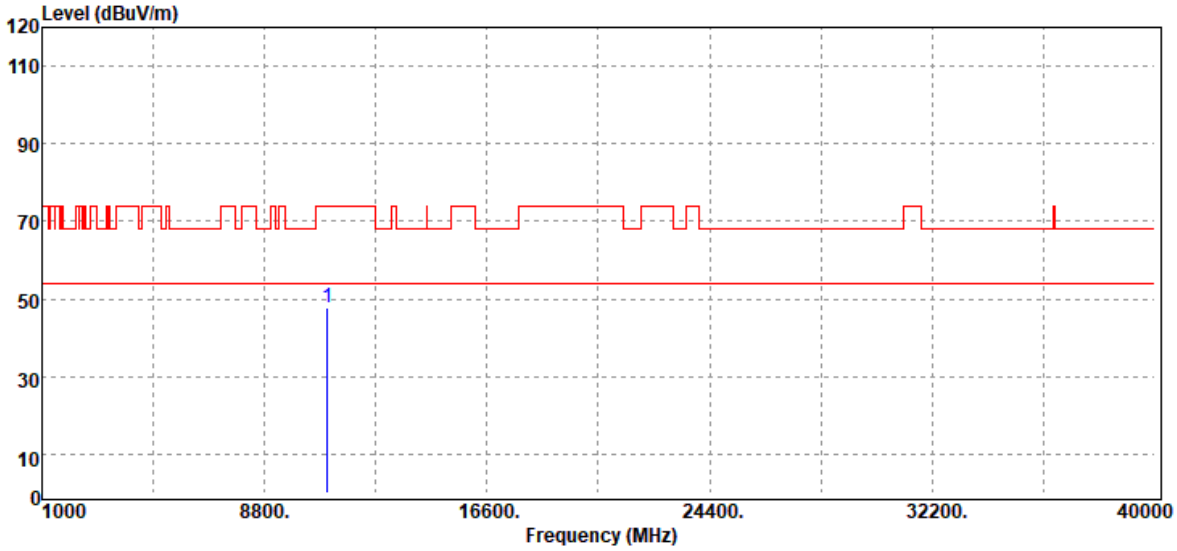


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	33.04	15.00	48.04	74.00	-25.96
N/A						

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.

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

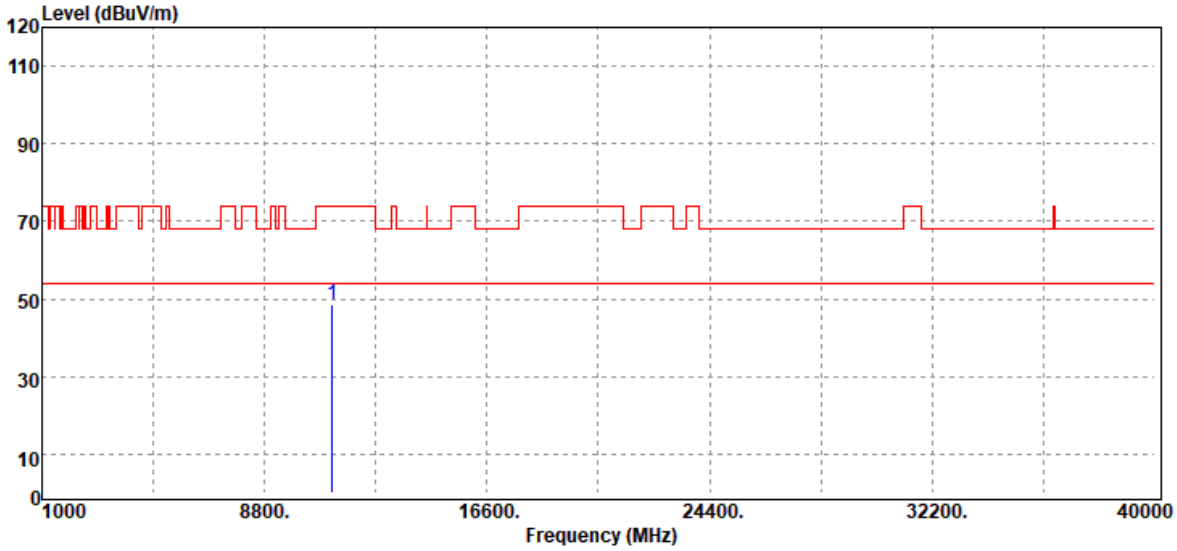


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	32.88	15.00	47.88	74.00	-26.12
N/A						

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.

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

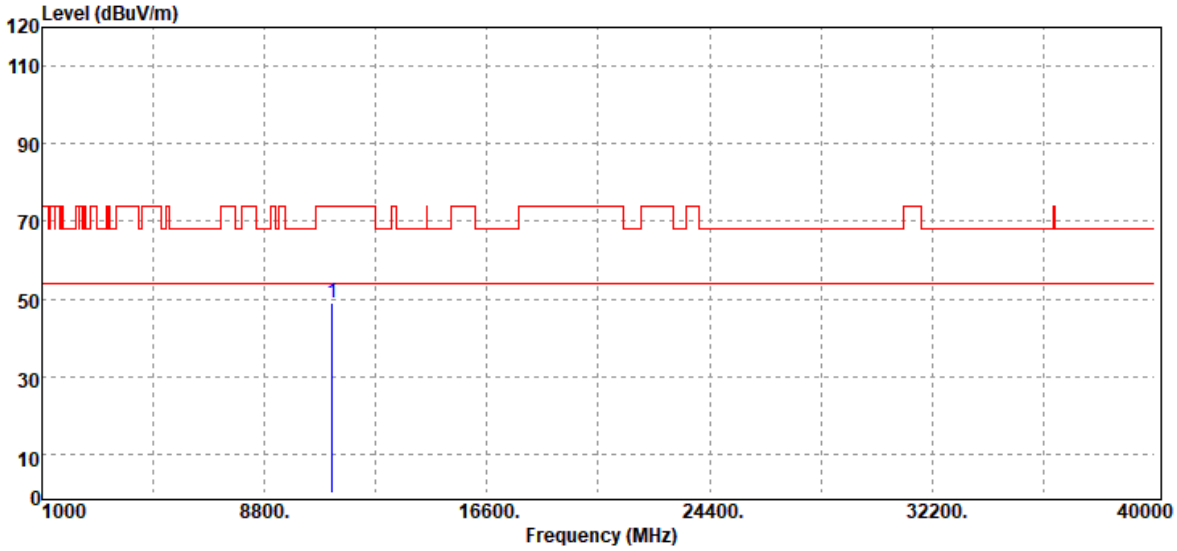


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	33.04	15.48	48.52	74.00	-25.48
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

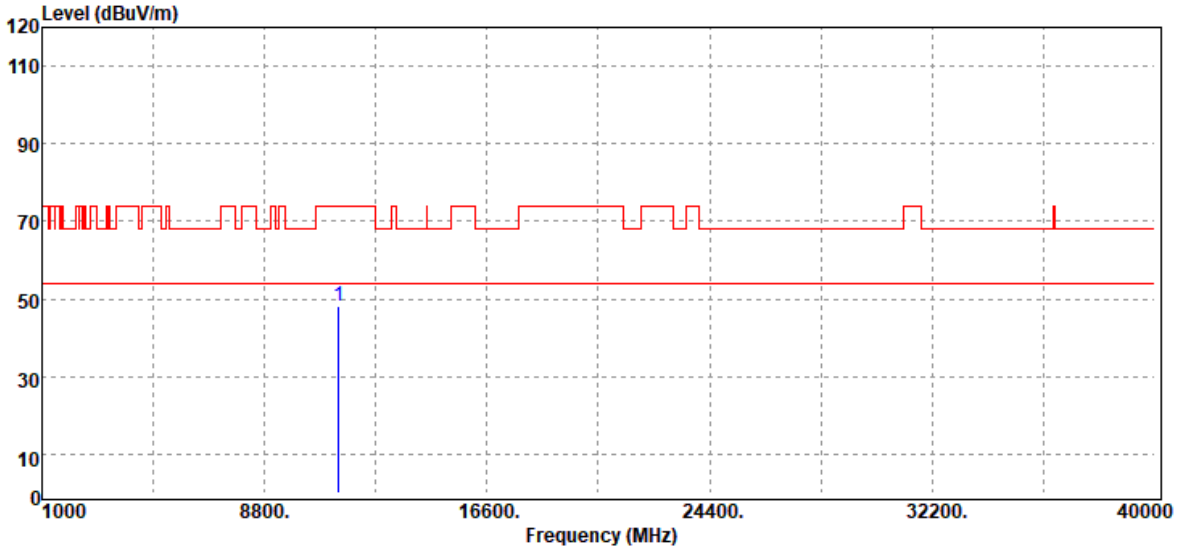


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	33.37	15.48	48.85	74.00	-25.15
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

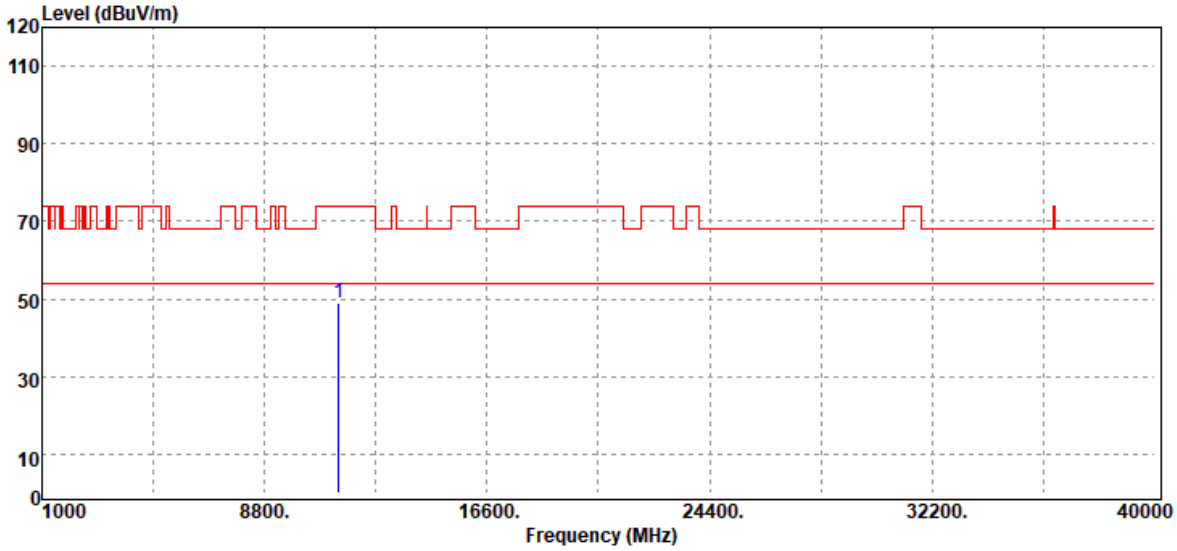


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	32.54	15.72	48.26	74.00	-25.74
N/A						

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.

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

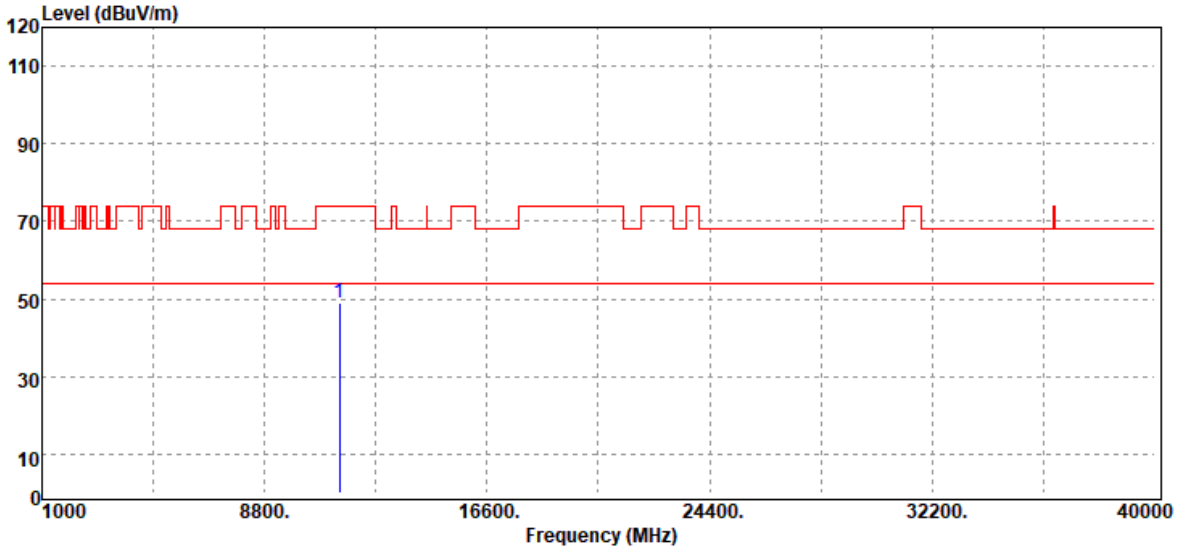


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	33.19	15.72	48.91	74.00	-25.09
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5720 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

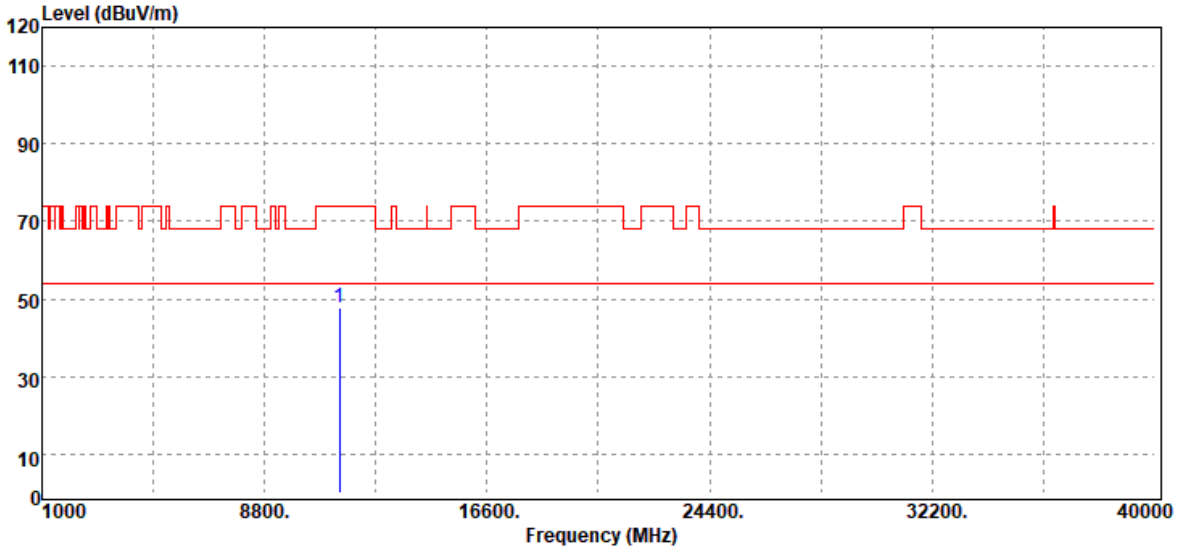


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	33.32	15.69	49.01	74.00	-24.99
N/A						

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.

Test Mode	IEEE 802.11a / 5720 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

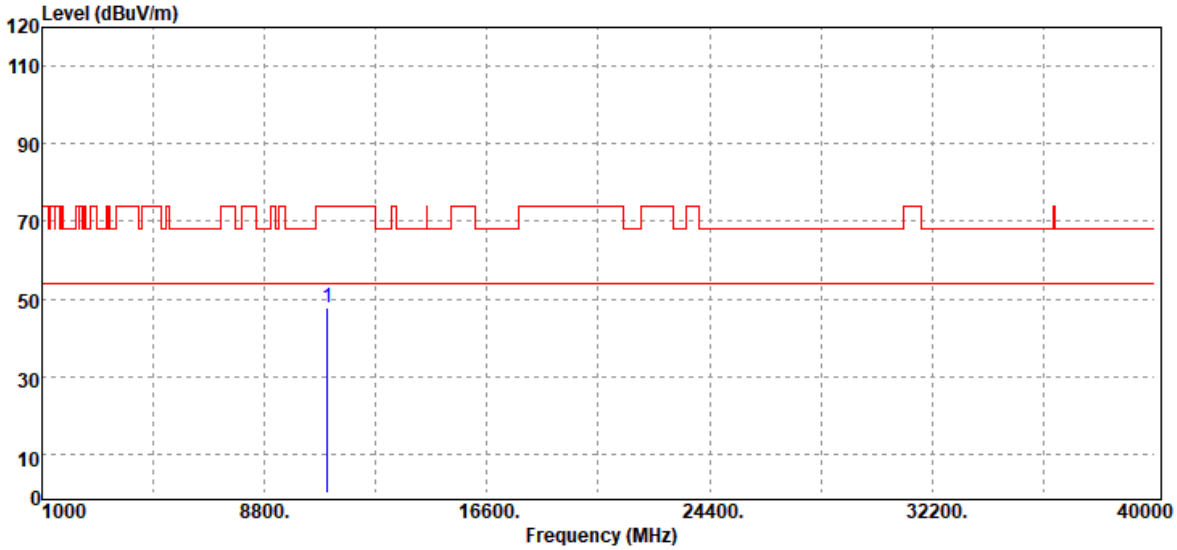


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	32.03	15.69	47.72	74.00	-26.28
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5500 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

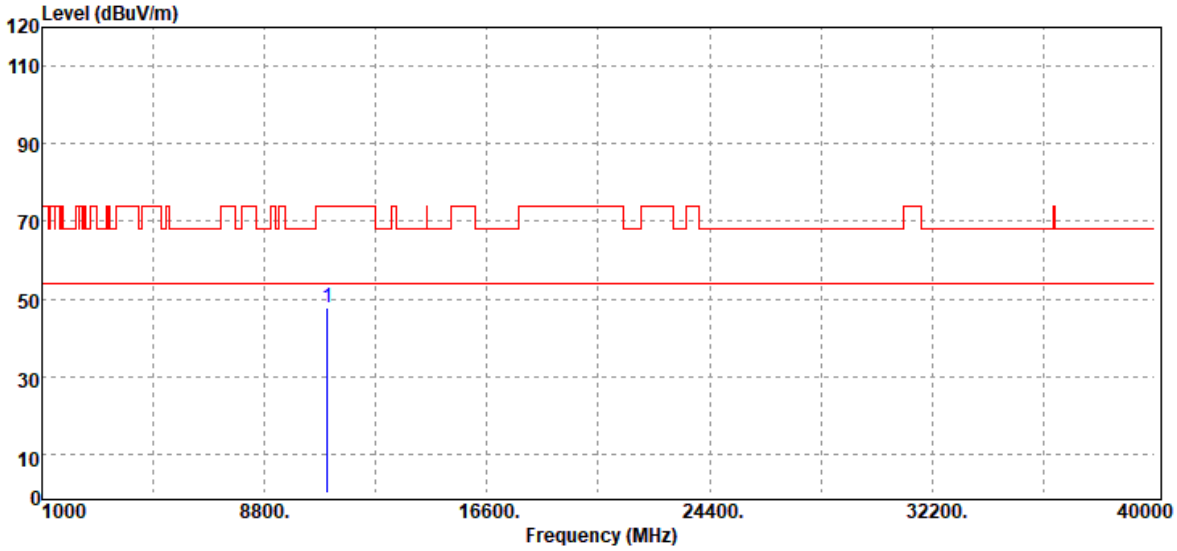


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	32.62	15.00	47.62	74.00	-26.38
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5500 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

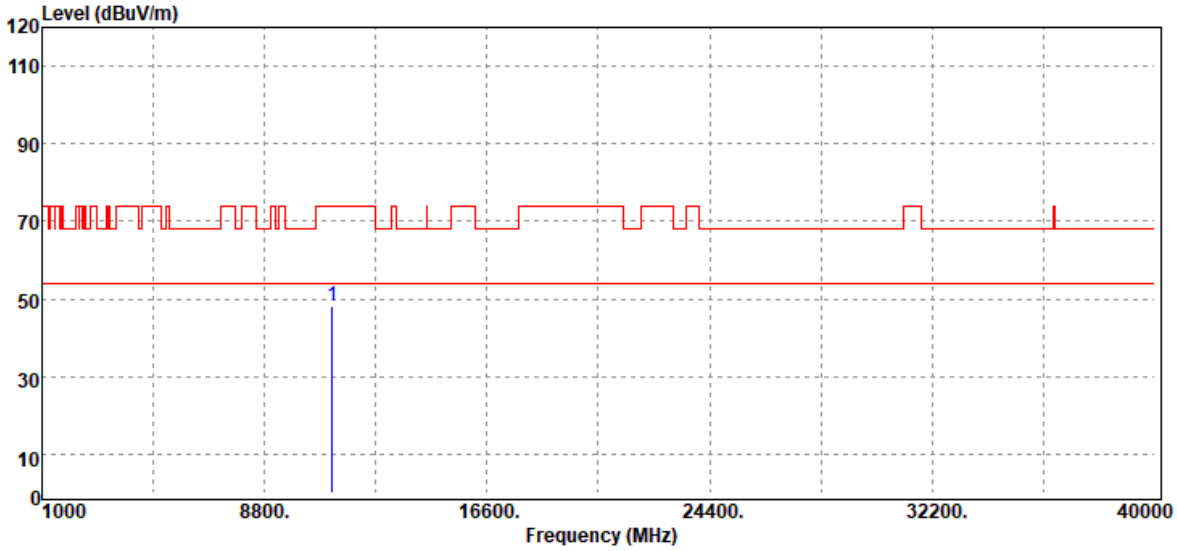


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	32.73	15.00	47.73	74.00	-26.27
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5580 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

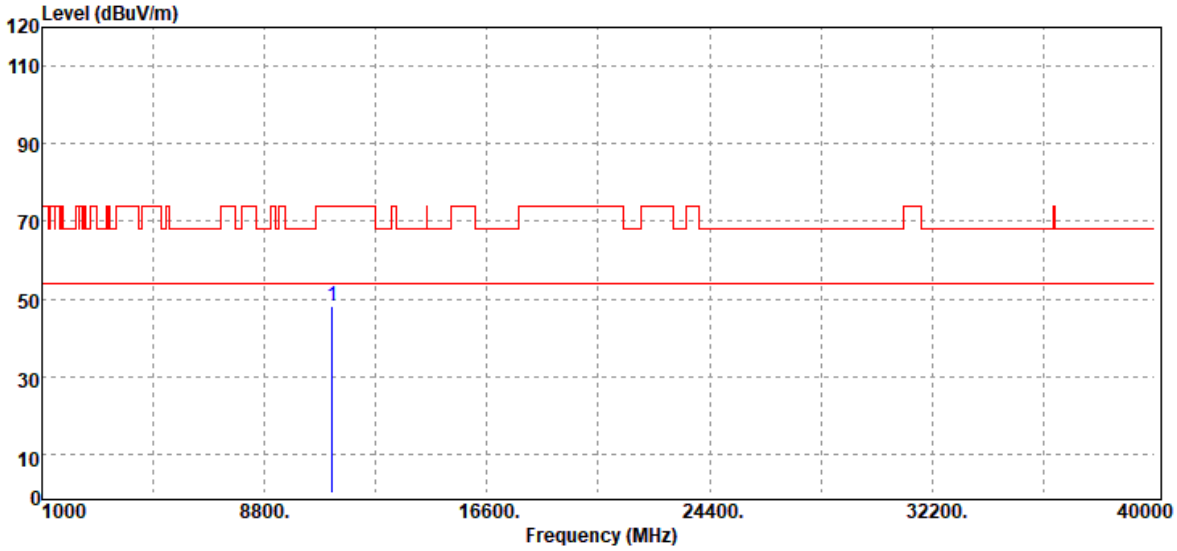


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	32.62	15.48	48.10	74.00	-25.90
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5580 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

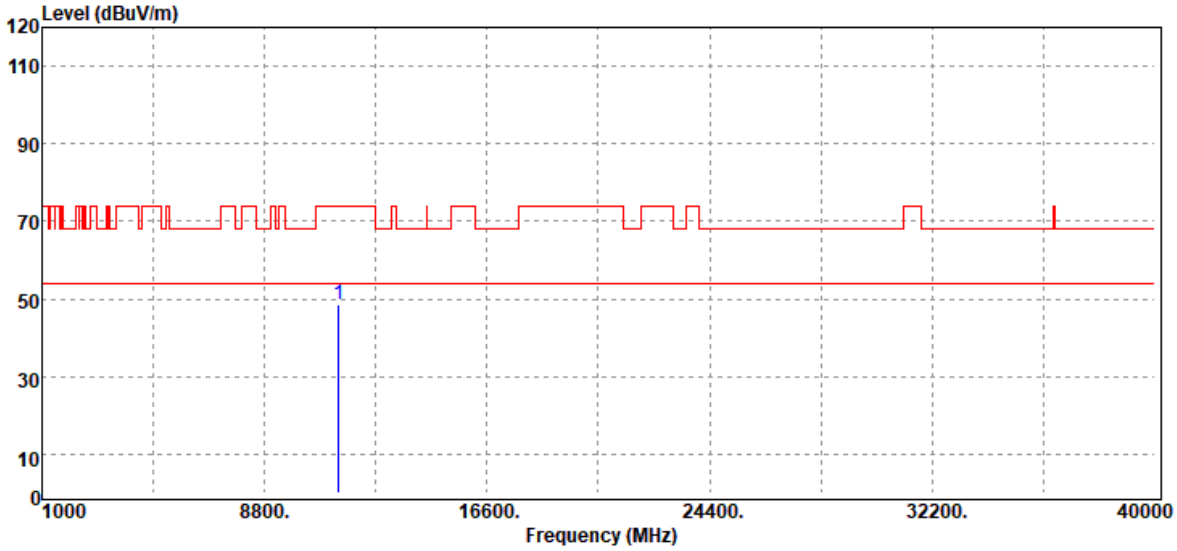


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	32.79	15.48	48.27	74.00	-25.73
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

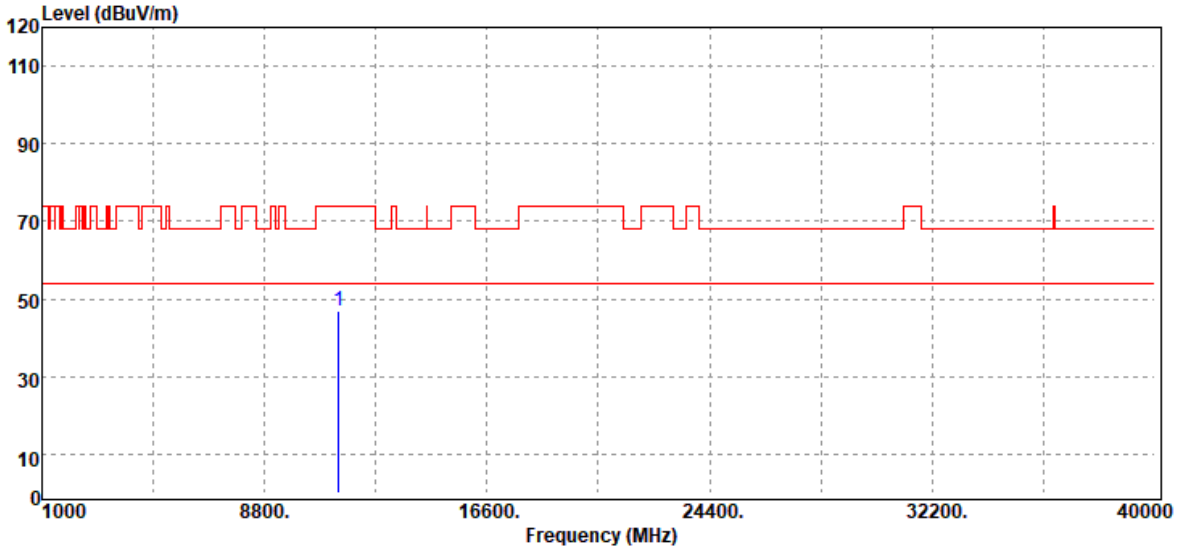


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	32.99	15.72	48.71	74.00	-25.29
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

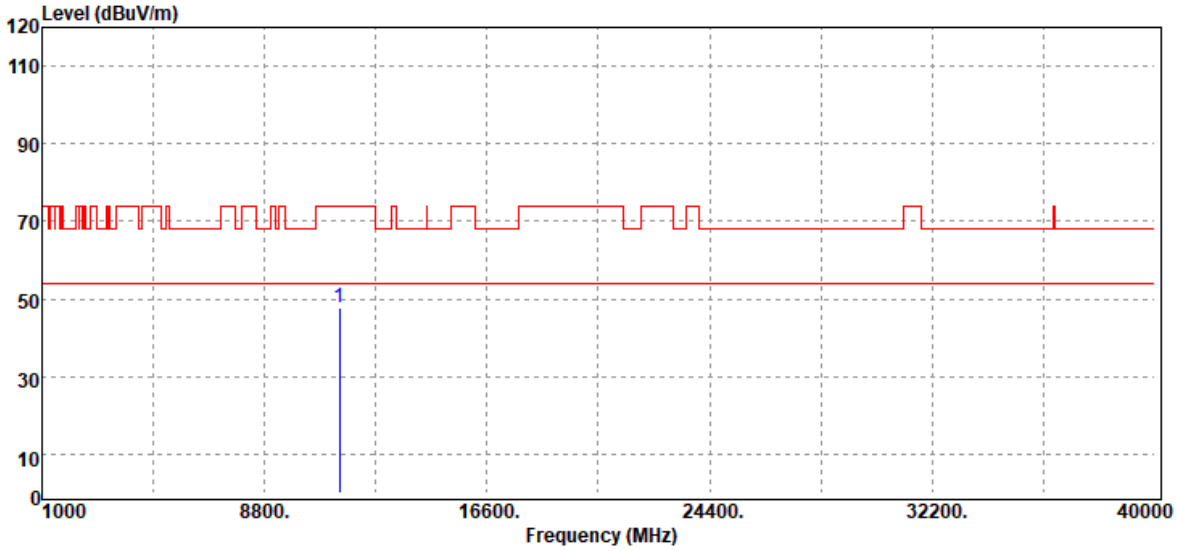


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	31.22	15.72	46.94	74.00	-27.06
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5720 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

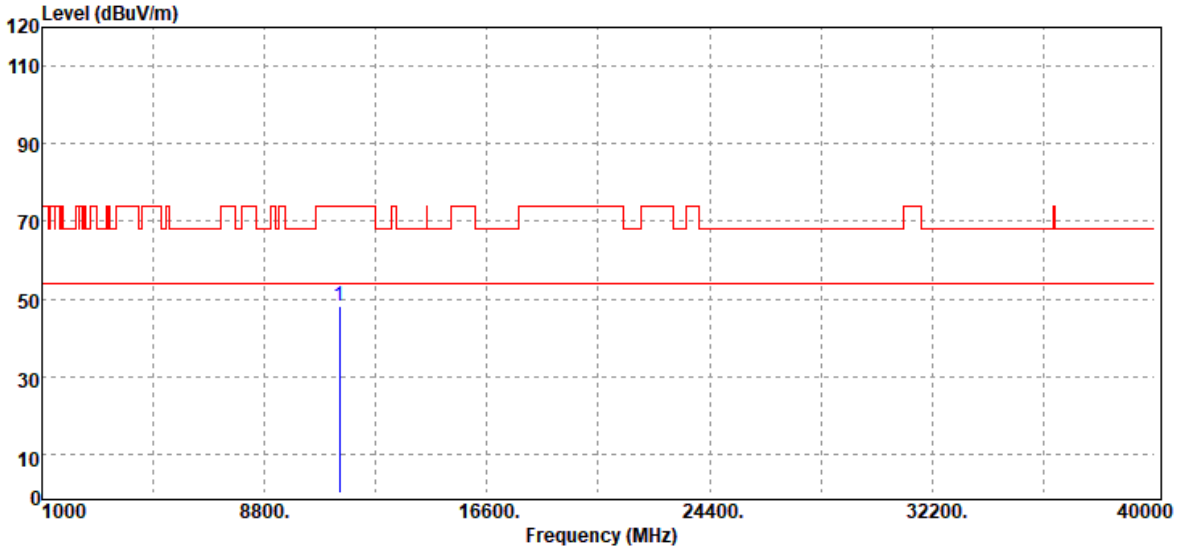


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	32.26	15.69	47.95	74.00	-26.05
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5720 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

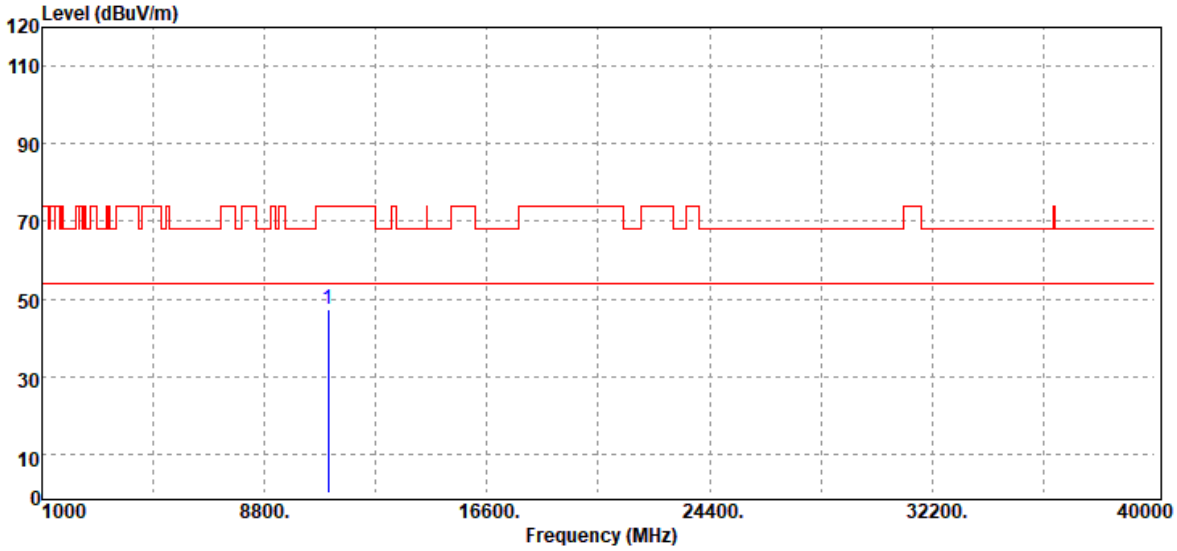


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	32.42	15.69	48.11	74.00	-25.89
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

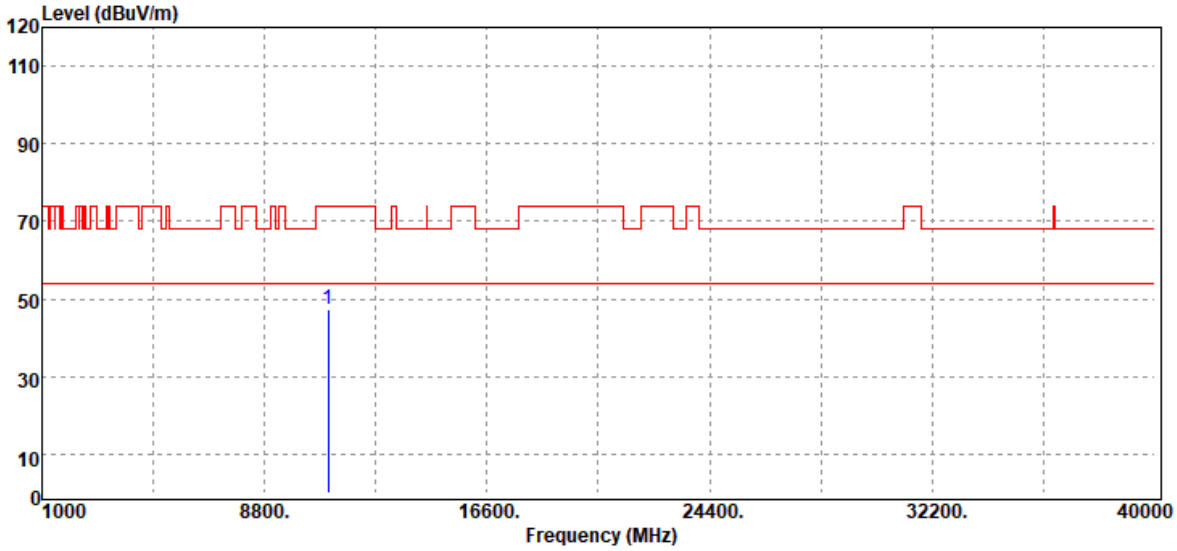


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11020.00	Peak	32.29	15.11	47.40	74.00	-26.60
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

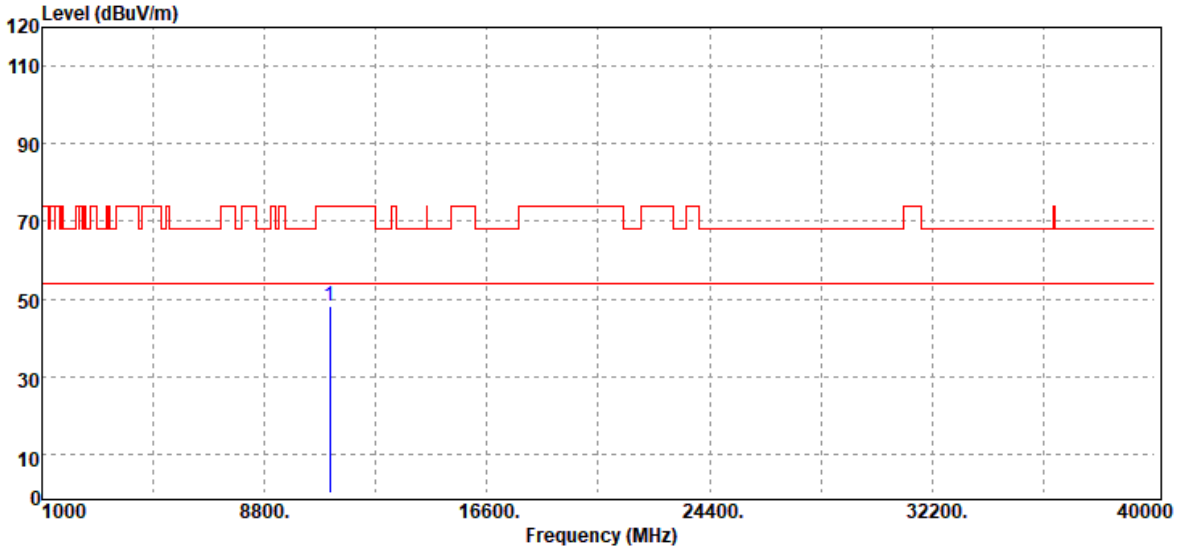


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11020.00	Peak	32.11	15.11	47.22	74.00	-26.78
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

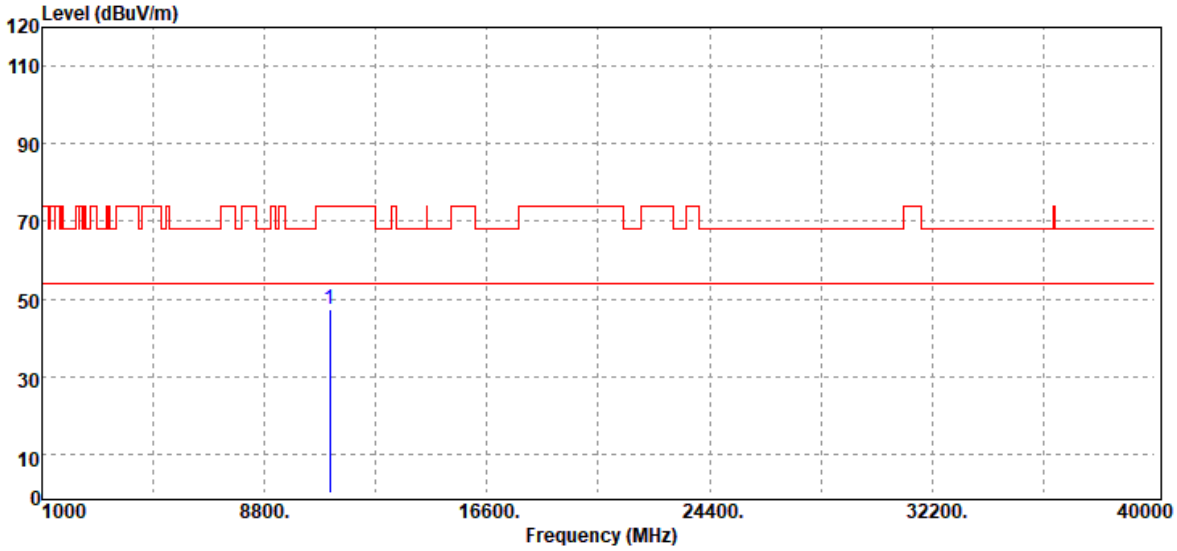


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11100.00	Peak	32.86	15.18	48.04	74.00	-25.96
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

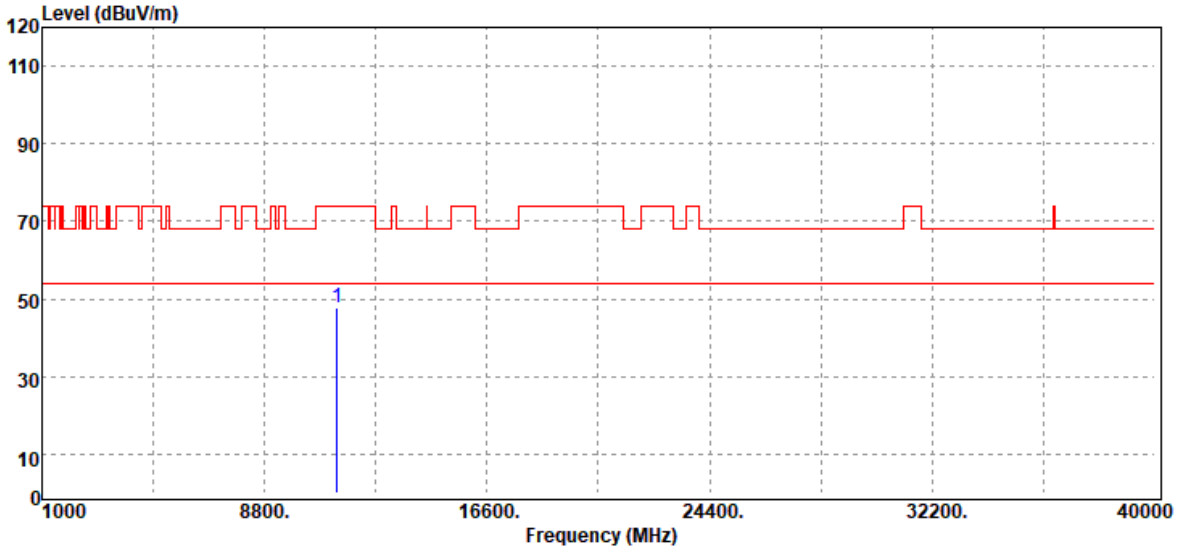


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11100.00	Peak	32.17	15.18	47.35	74.00	-26.65
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

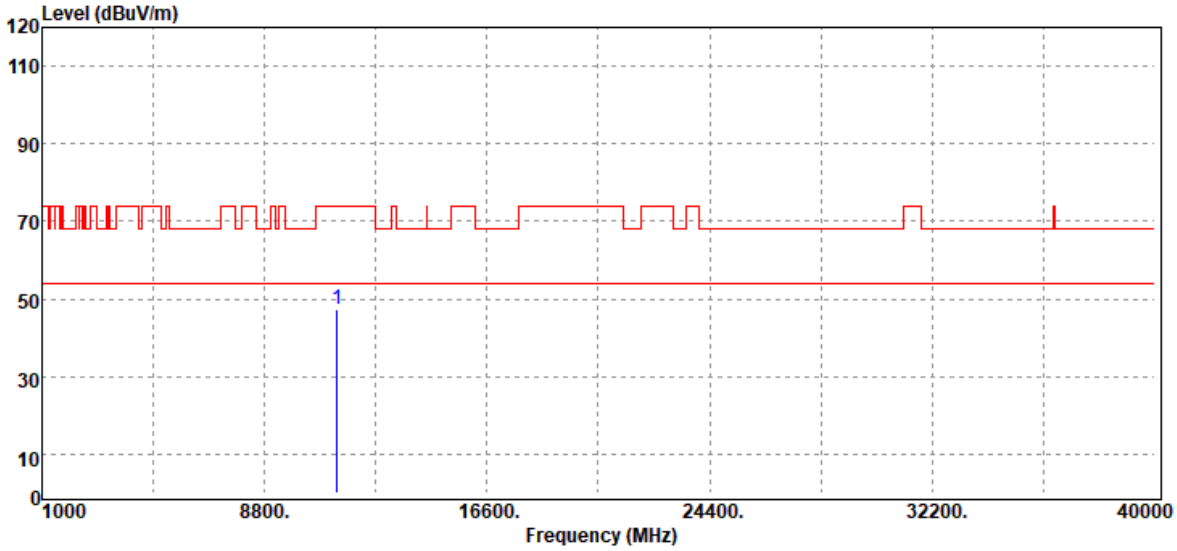


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11340.00	Peak	32.31	15.58	47.89	74.00	-26.11
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

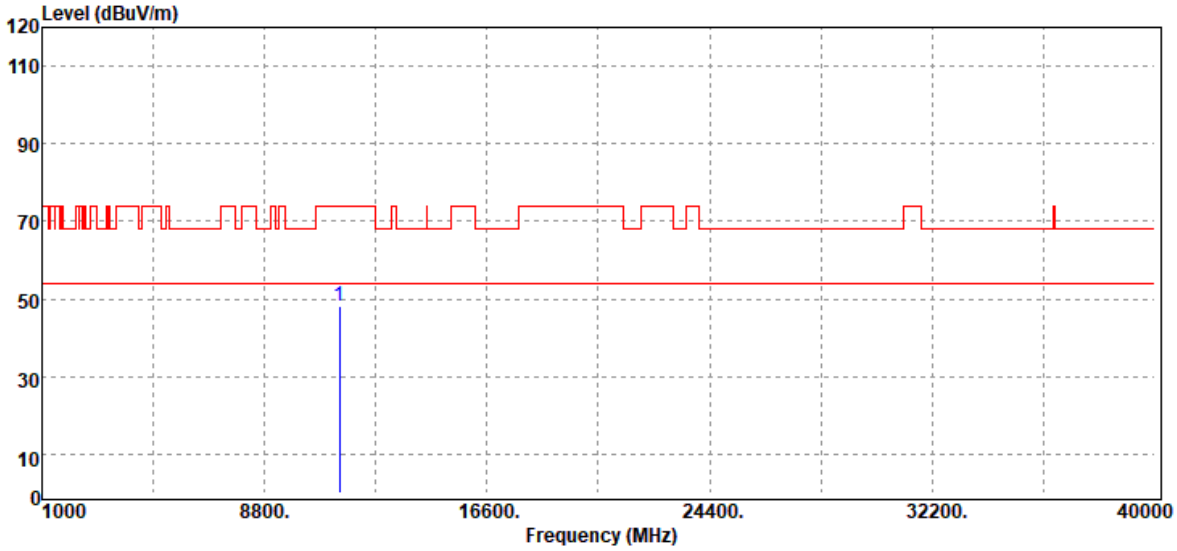


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11340.00	Peak	31.89	15.58	47.47	74.00	-26.53
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5710 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

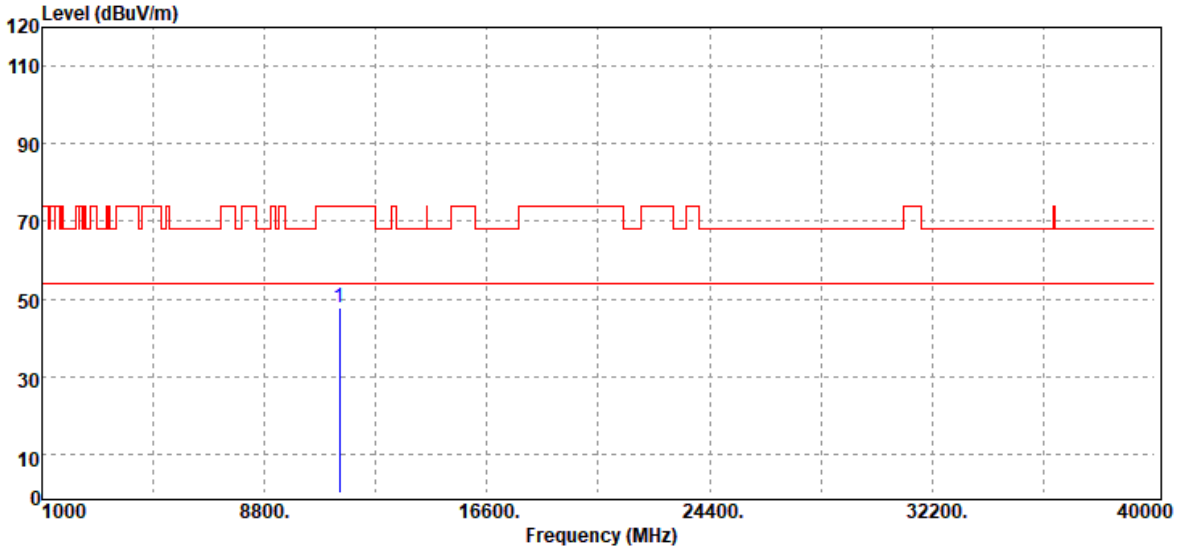


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11420.00	Peak	32.40	15.71	48.11	74.00	-25.89
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5710 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

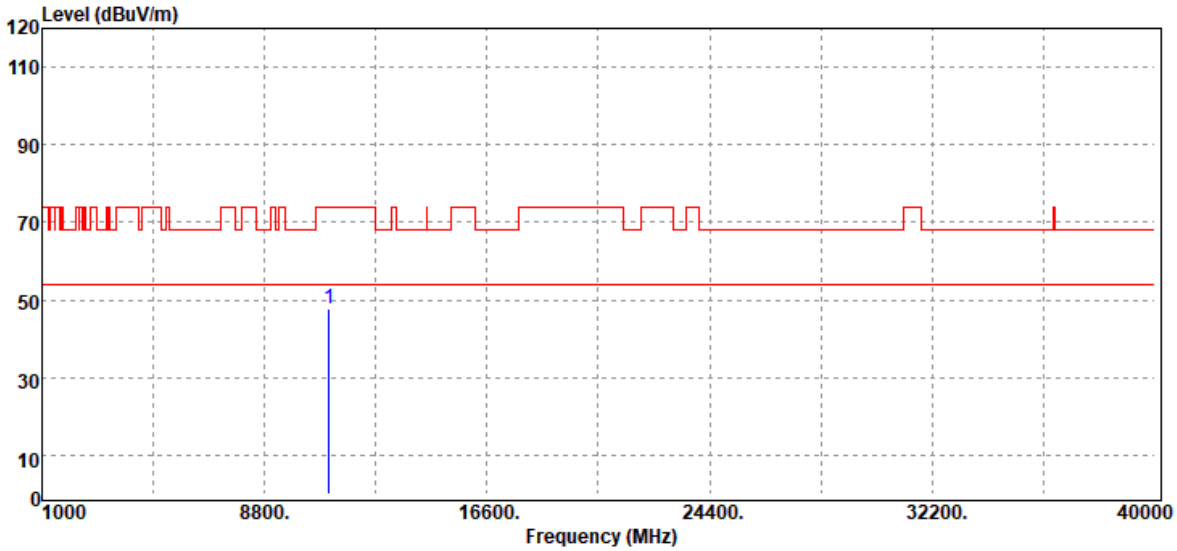


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11420.00	Peak	32.07	15.71	47.78	74.00	-26.22
N/A						

Remark:

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

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

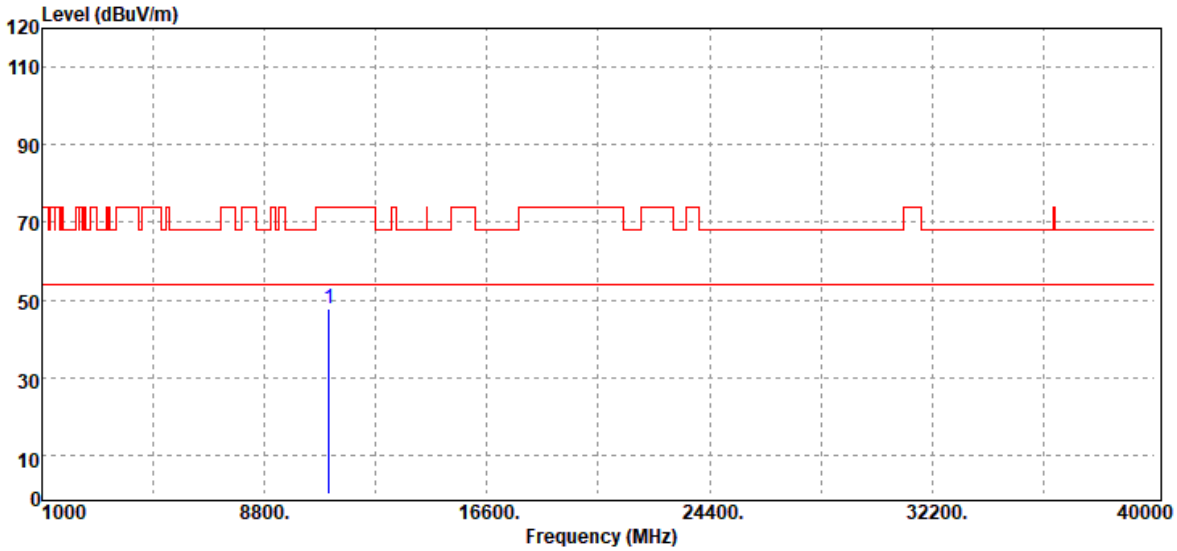


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11060.00	Peak	32.53	15.25	47.78	74.00	-26.22
N/A						

Remark:

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

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

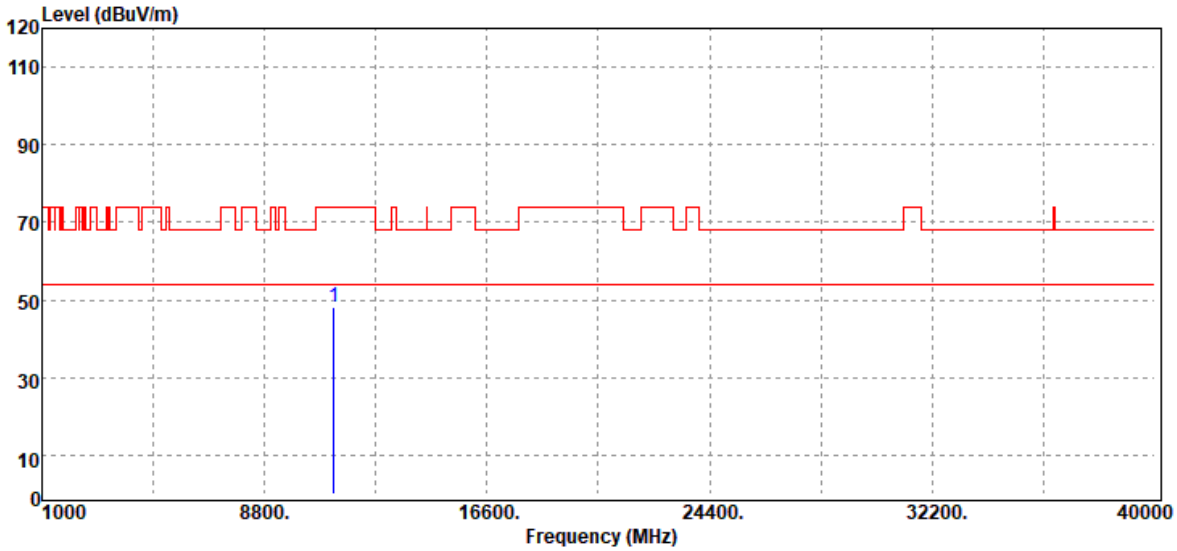


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11060.00	Peak	32.37	15.25	47.62	74.00	-26.38
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

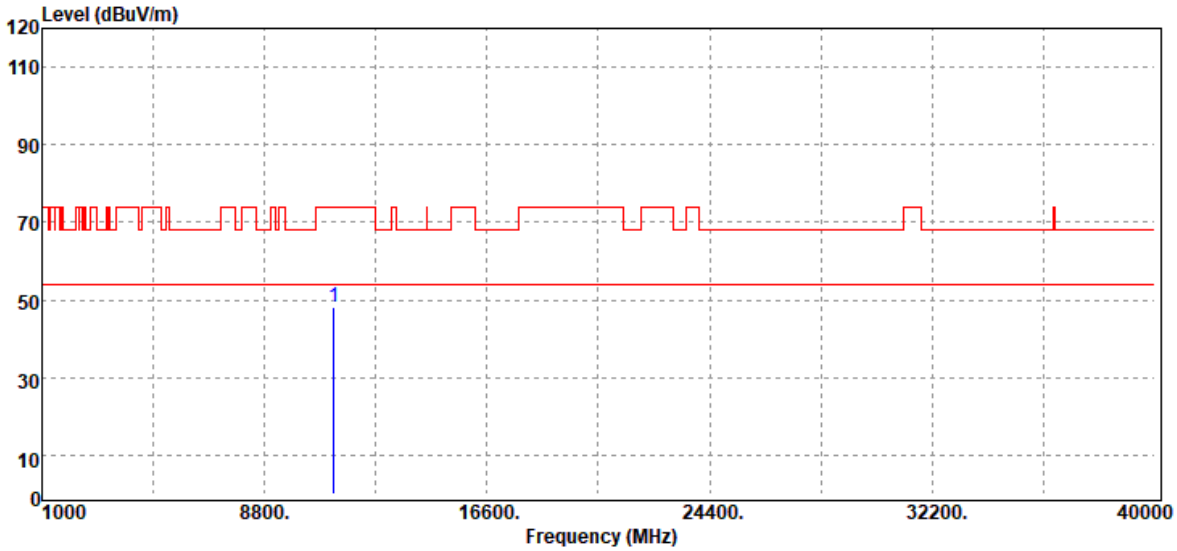


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11220.00	Peak	33.03	15.33	48.36	74.00	-25.64
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

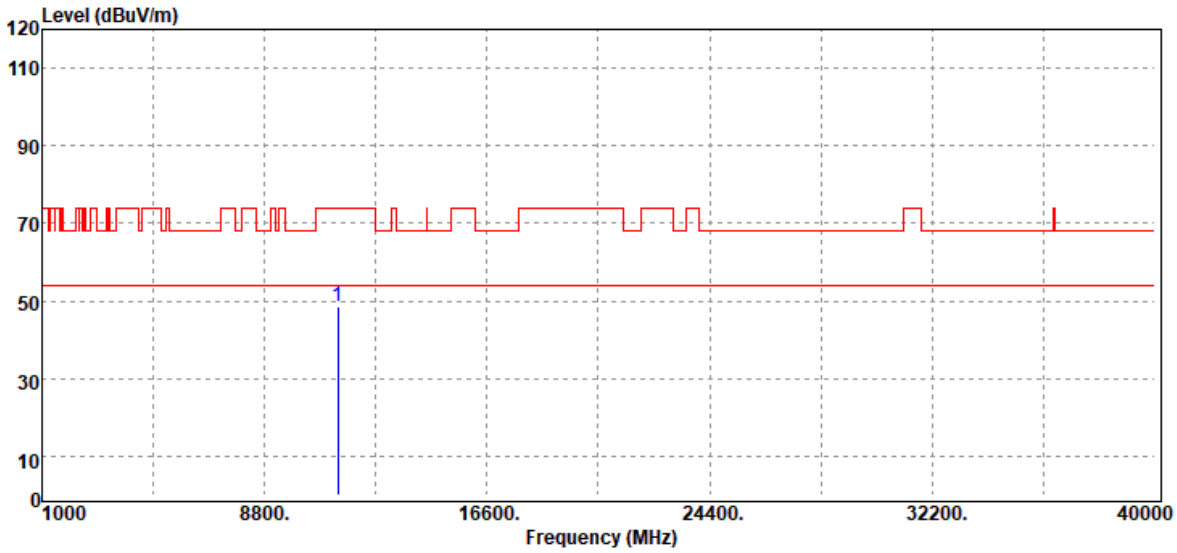


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11220.00	Peak	32.83	15.33	48.16	74.00	-25.84
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5690 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

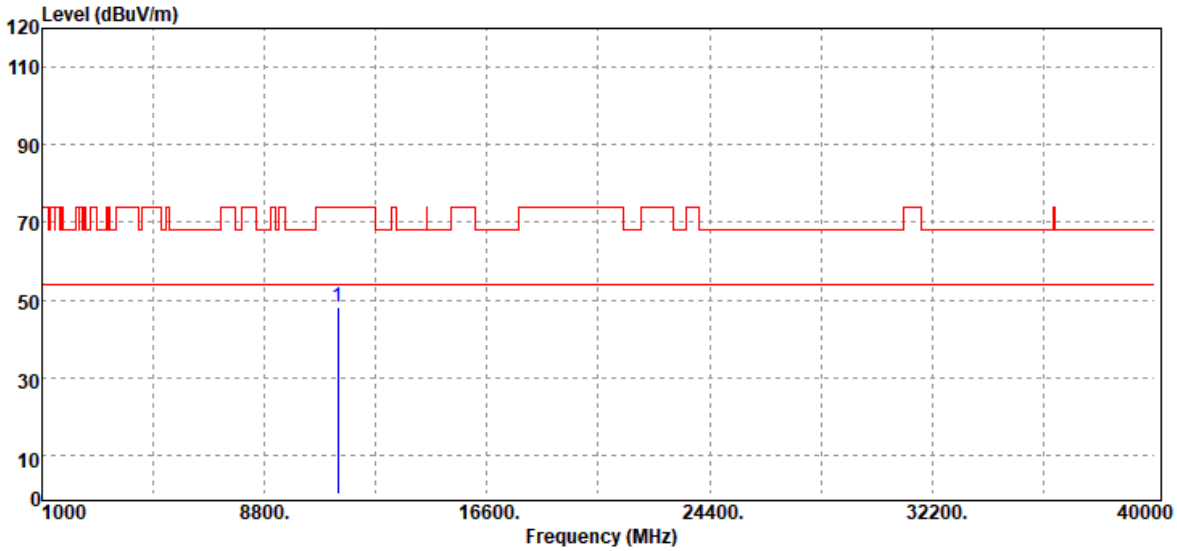


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11380.00	Peak	32.76	15.66	48.42	74.00	-25.58
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5690 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



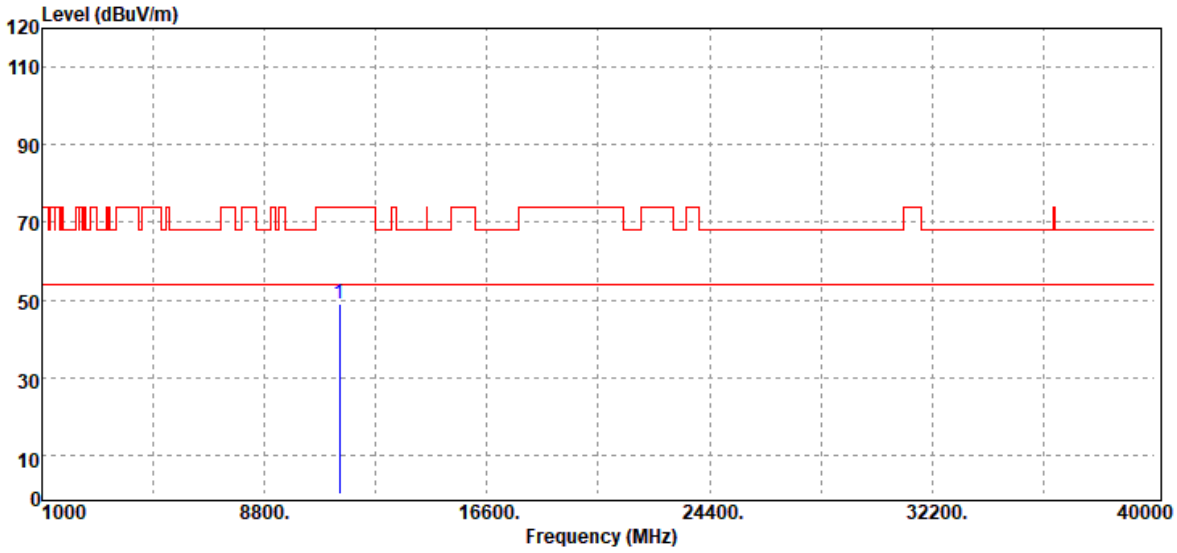
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11380.00	Peak	32.45	15.66	48.11	74.00	-25.89
N/A						

Remark:

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

Test Data for UNII-3

Test Mode	IEEE 802.11a / 5720 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

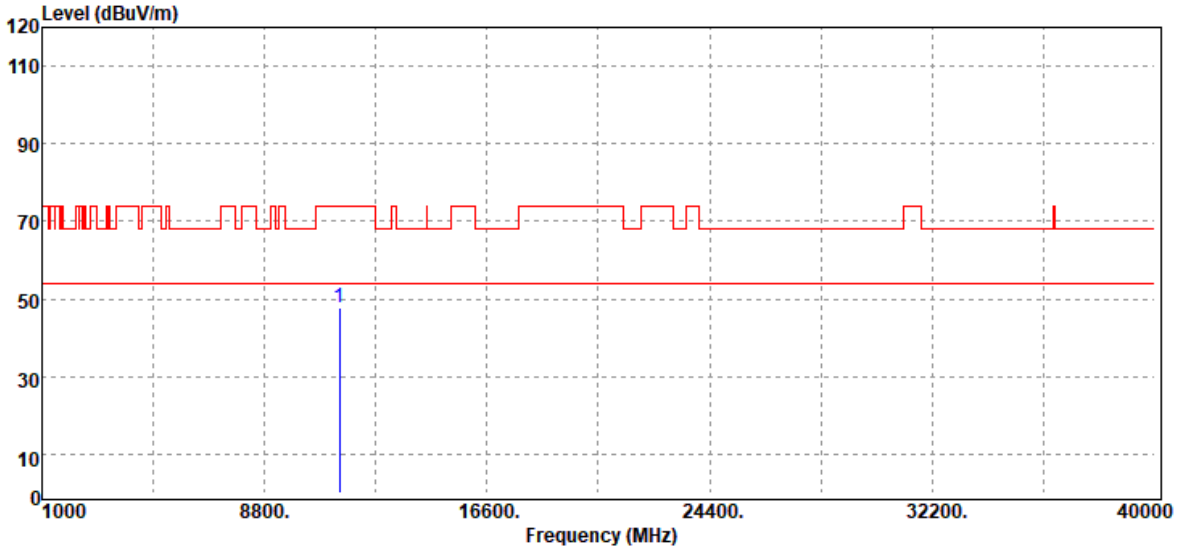


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	33.32	15.69	49.01	74.00	-24.99
N/A						

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.

Test Mode	IEEE 802.11a / 5720 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

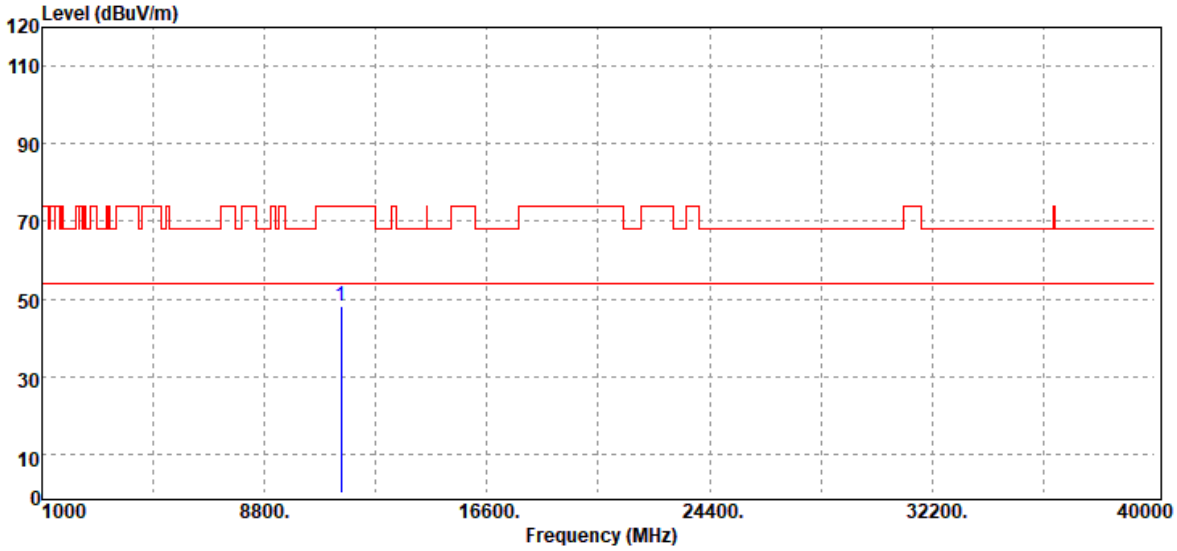


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	32.03	15.69	47.72	74.00	-26.28
N/A						

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.

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

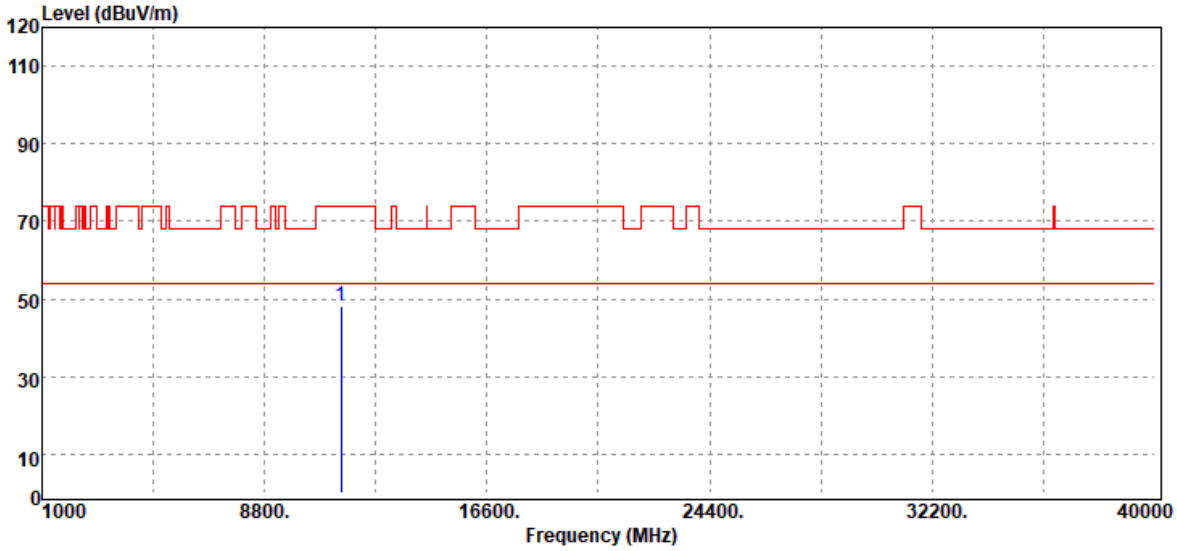


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	32.77	15.60	48.37	74.00	-25.63
N/A						

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.

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

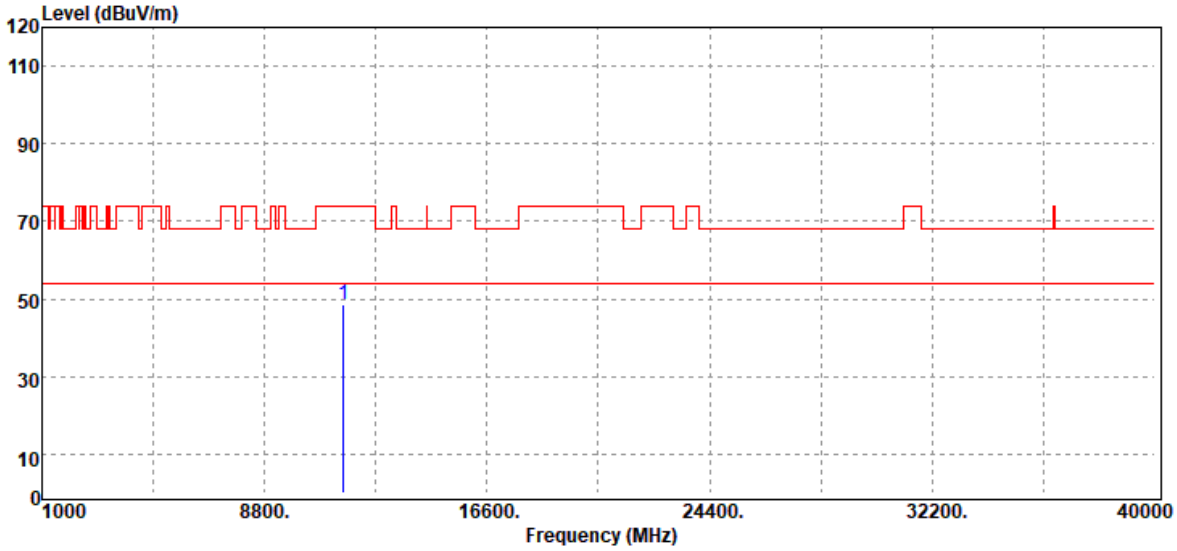


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	32.43	15.60	48.03	74.00	-25.97
N/A						

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.

Test Mode	IEEE 802.11a / 5785 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

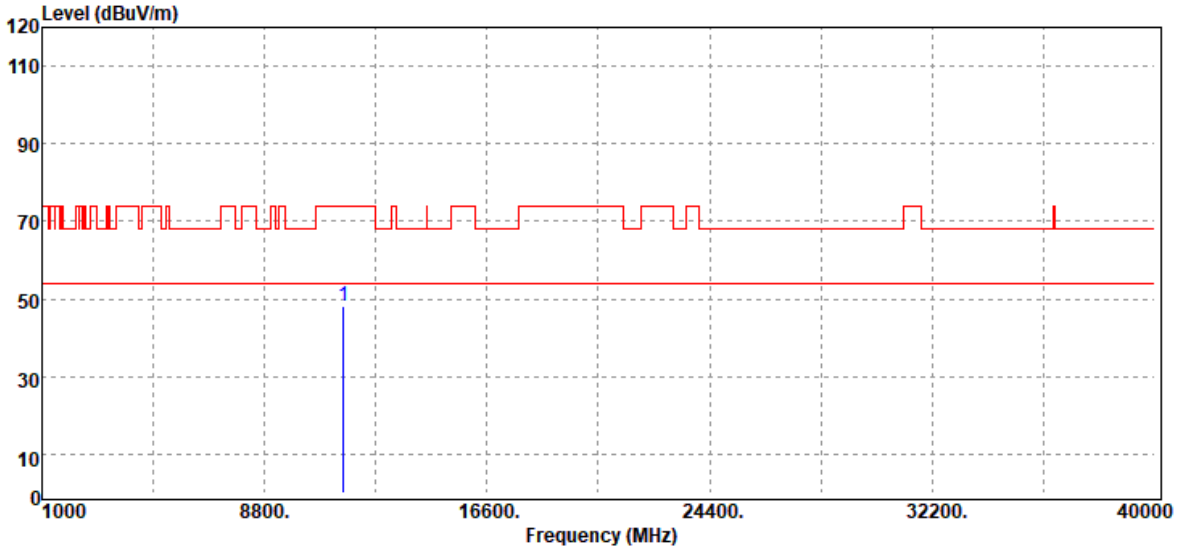


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	32.67	15.92	48.59	74.00	-25.41
N/A						

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.

Test Mode	IEEE 802.11a / 5785 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

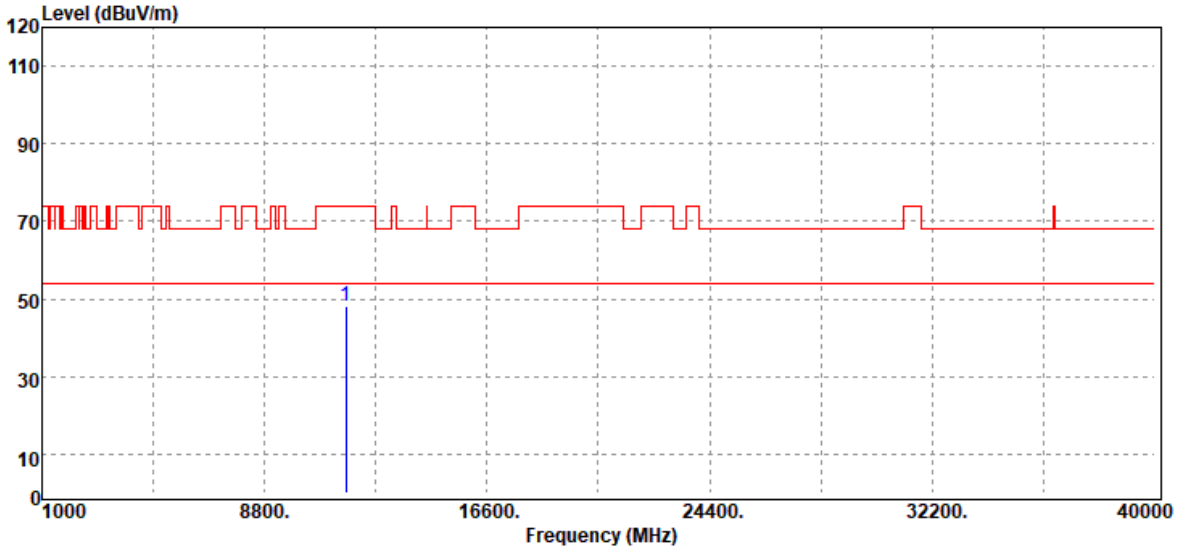


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	32.19	15.92	48.11	74.00	-25.89
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

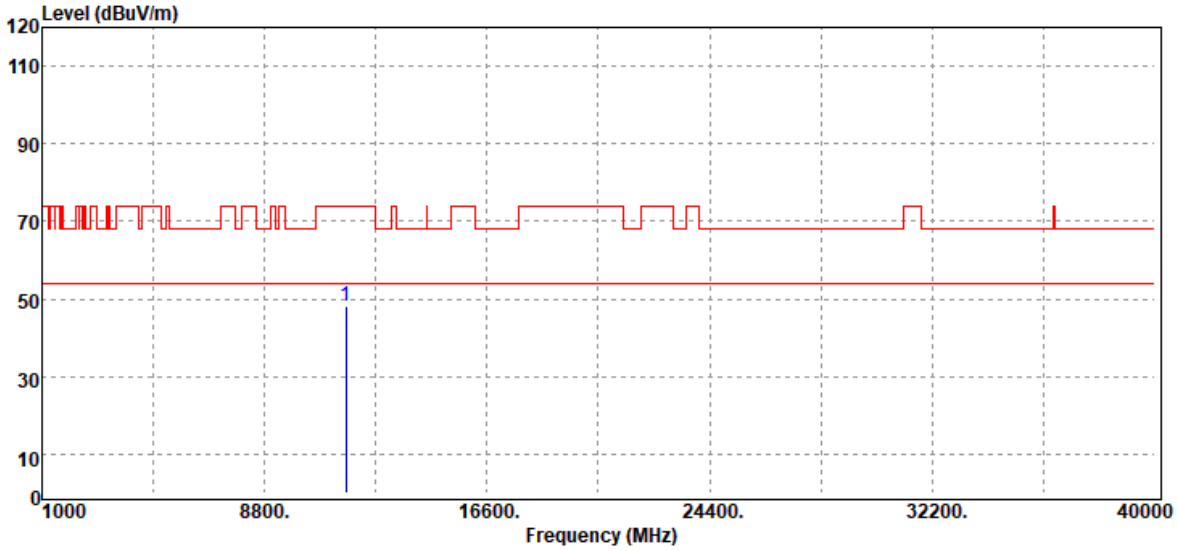


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	32.10	15.89	47.99	74.00	-26.01
N/A						

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.

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

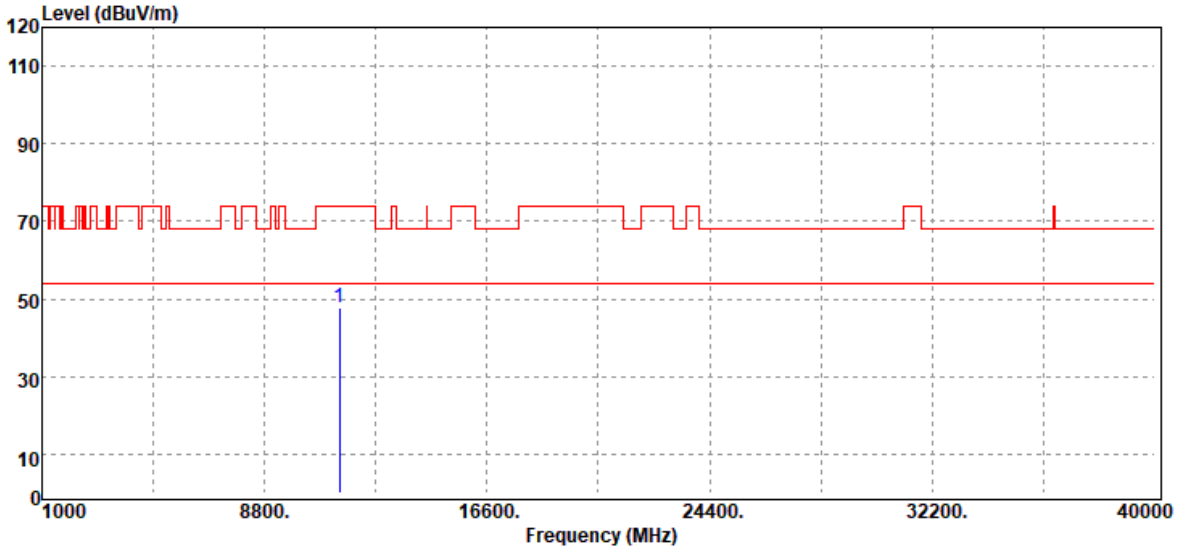


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	32.34	15.89	48.23	74.00	-25.77
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5720 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

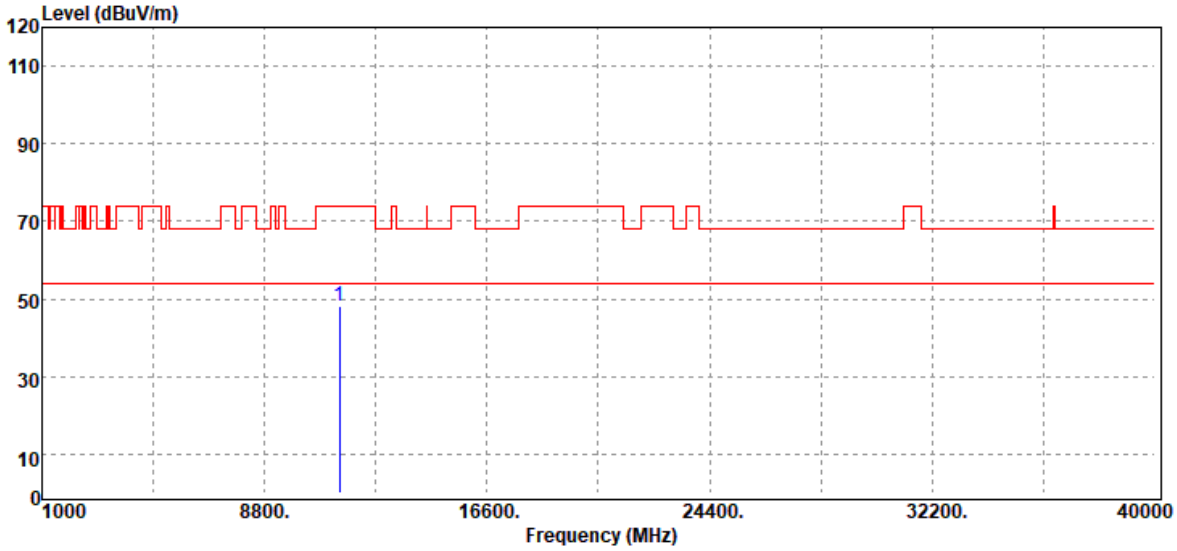


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	32.26	15.69	47.95	74.00	-26.05
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5720 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

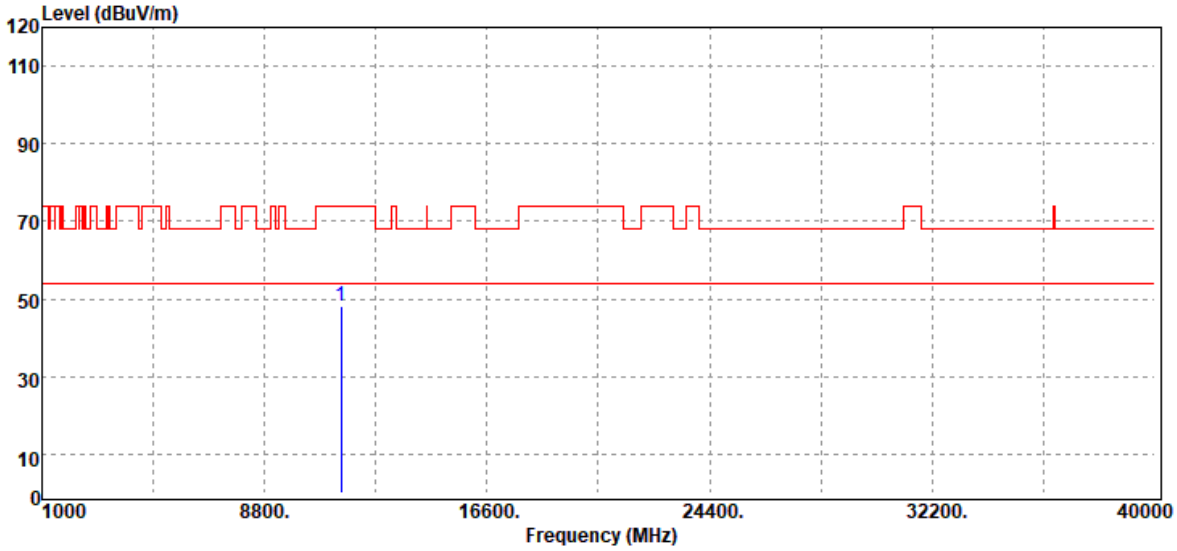


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	32.42	15.69	48.11	74.00	-25.89
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

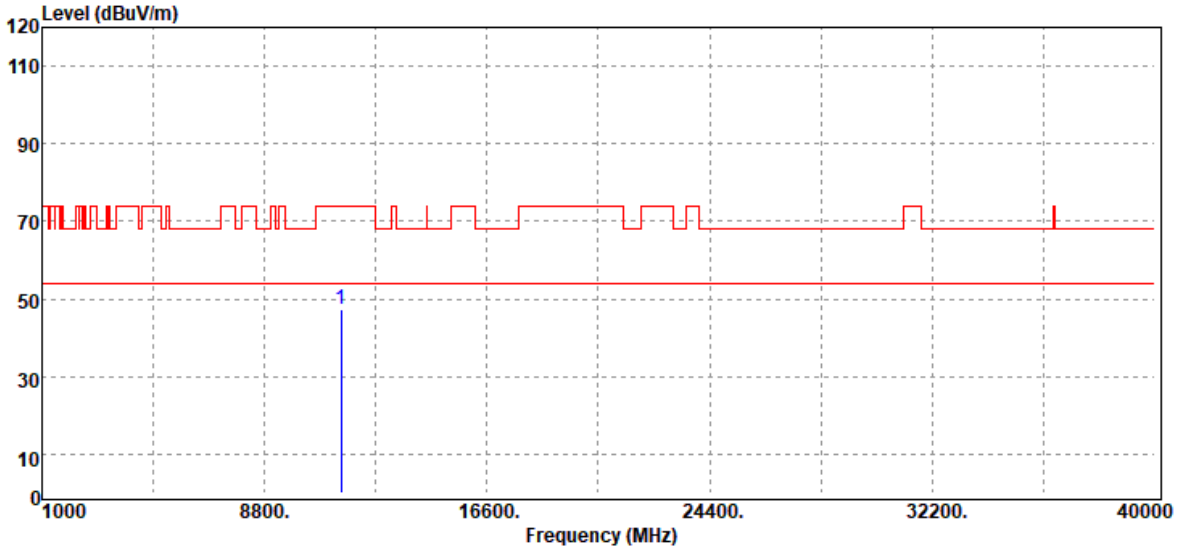


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	32.71	15.60	48.31	74.00	-25.69
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

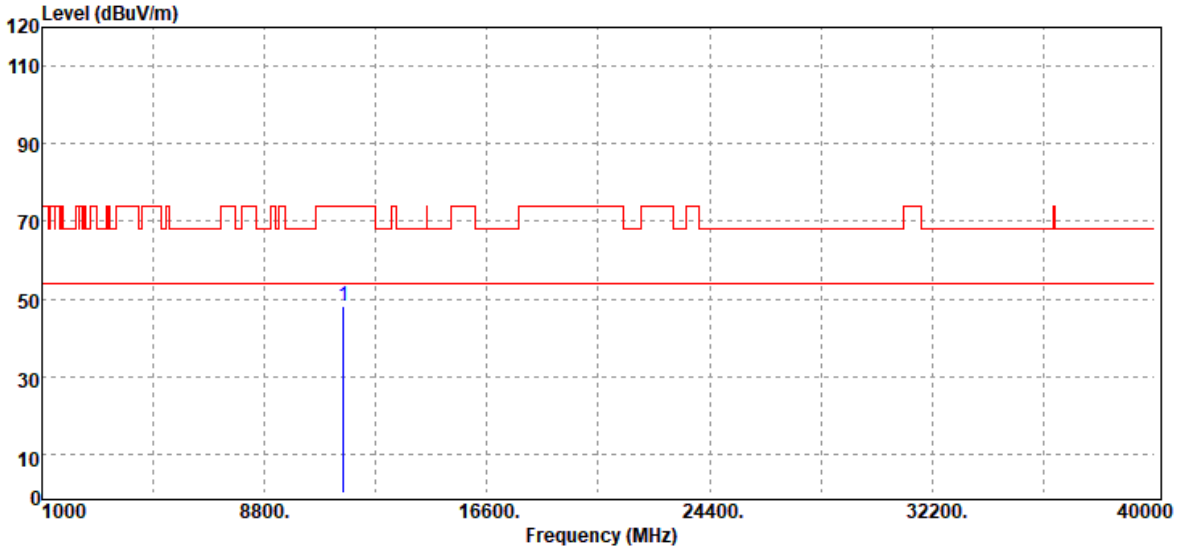


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	31.67	15.60	47.27	74.00	-26.73
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz/ 5785 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

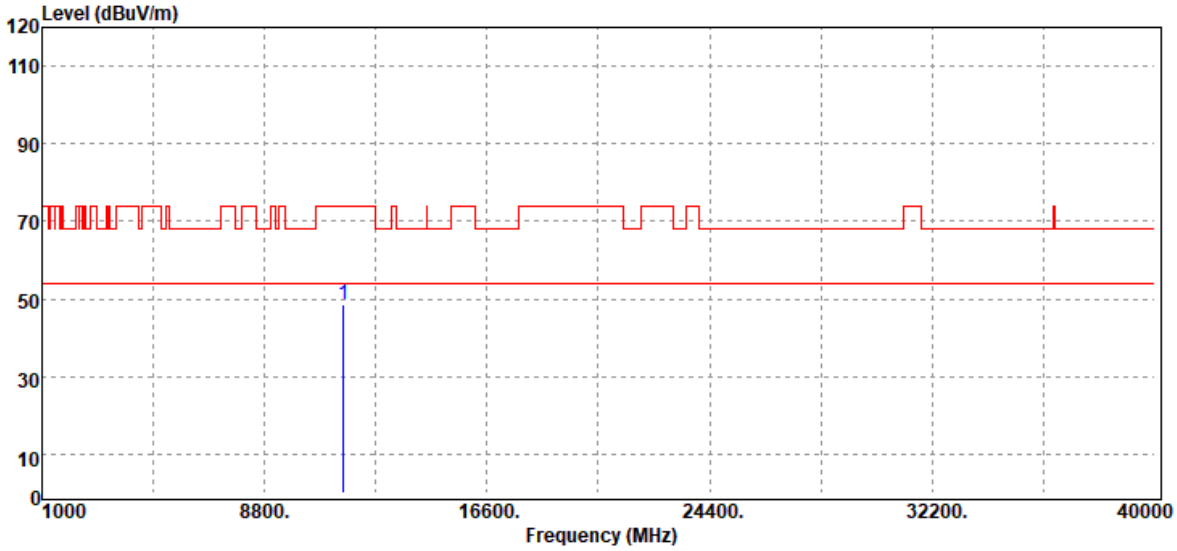


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	32.42	15.92	48.34	74.00	-25.66
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz/ 5785 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

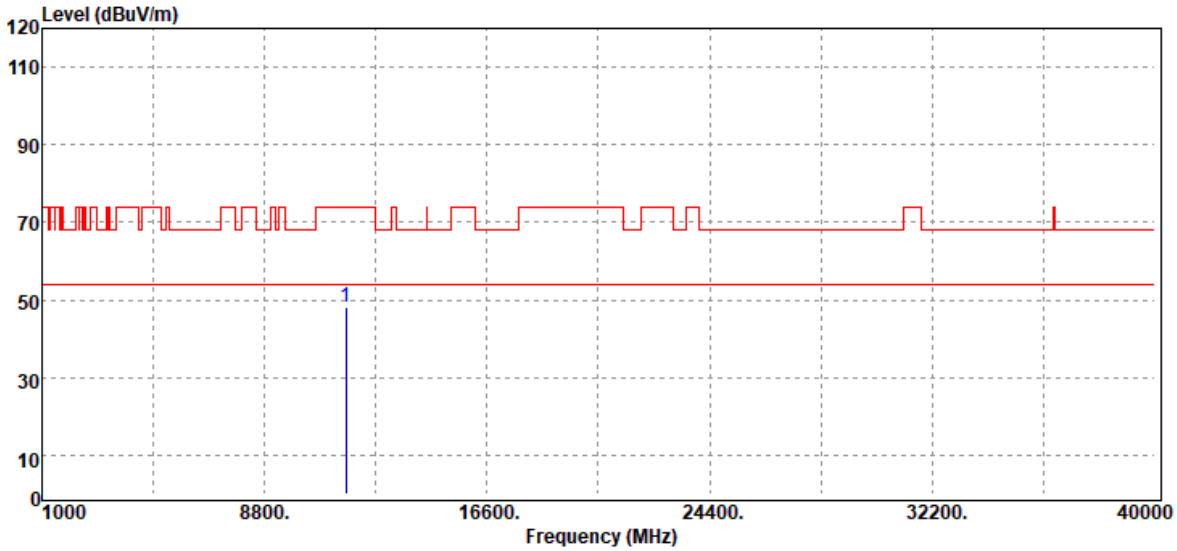


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	32.79	15.92	48.71	74.00	-25.29
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz/ 5825 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

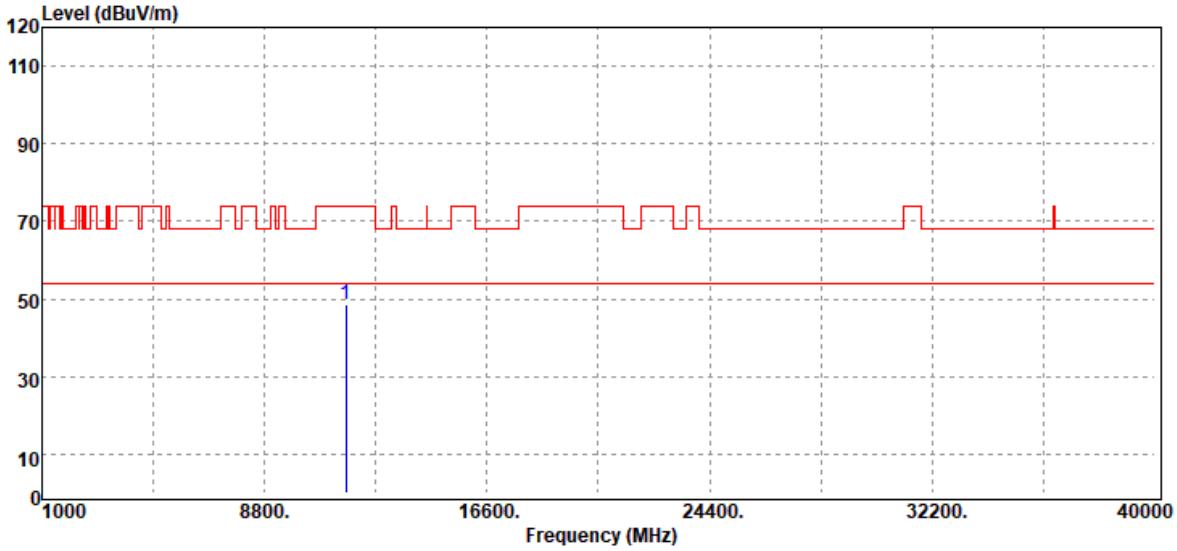


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	32.17	15.89	48.06	74.00	-25.94
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz/ 5825 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

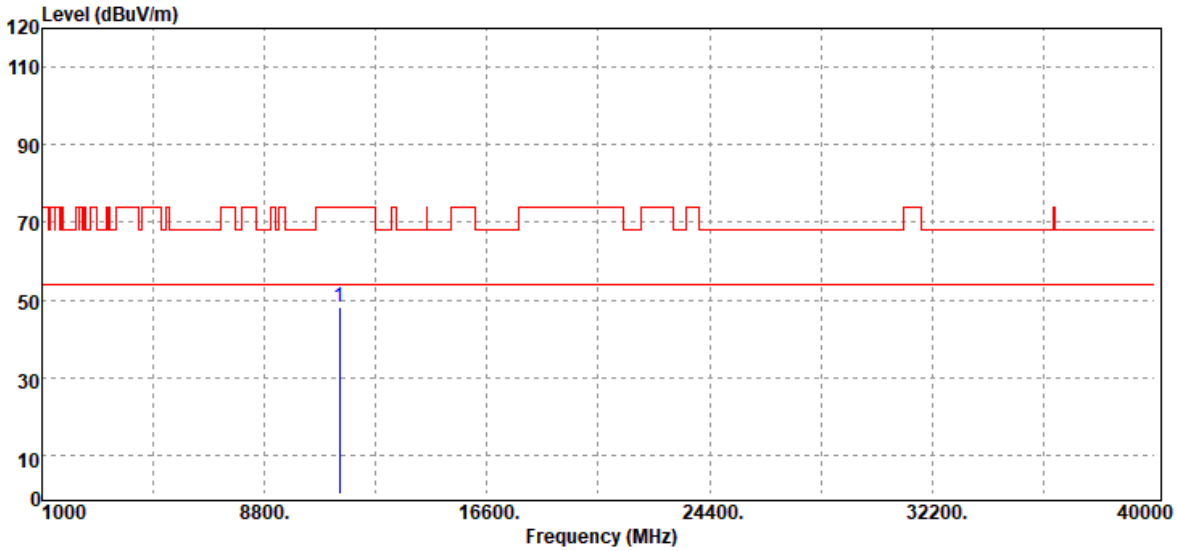


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	32.88	15.89	48.77	74.00	-25.23
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz/ 5710 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

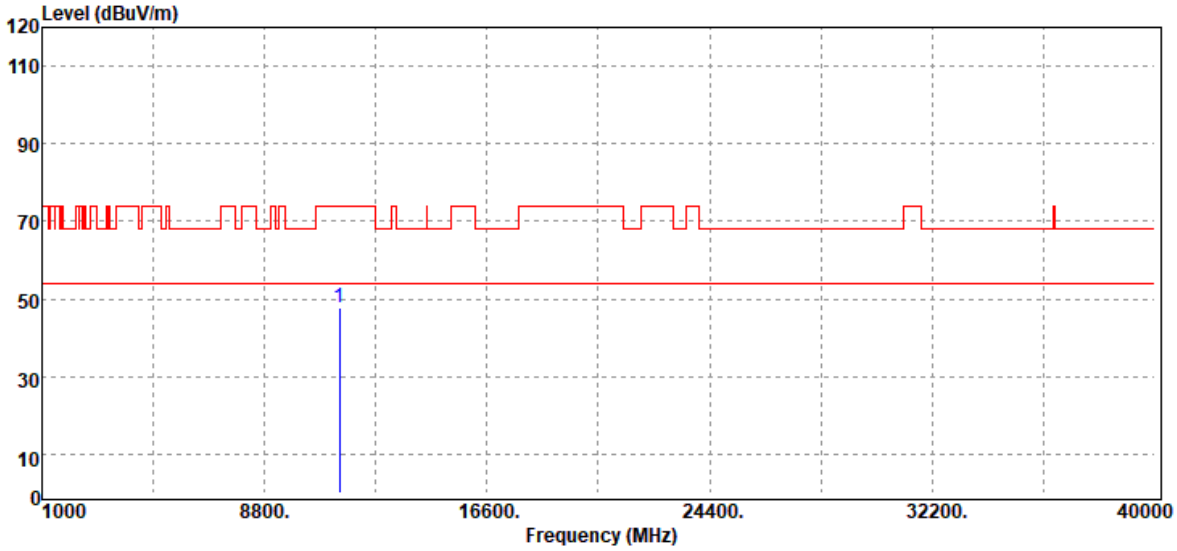


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11420.00	Peak	32.40	15.71	48.11	74.00	-25.89
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz/ 5710 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

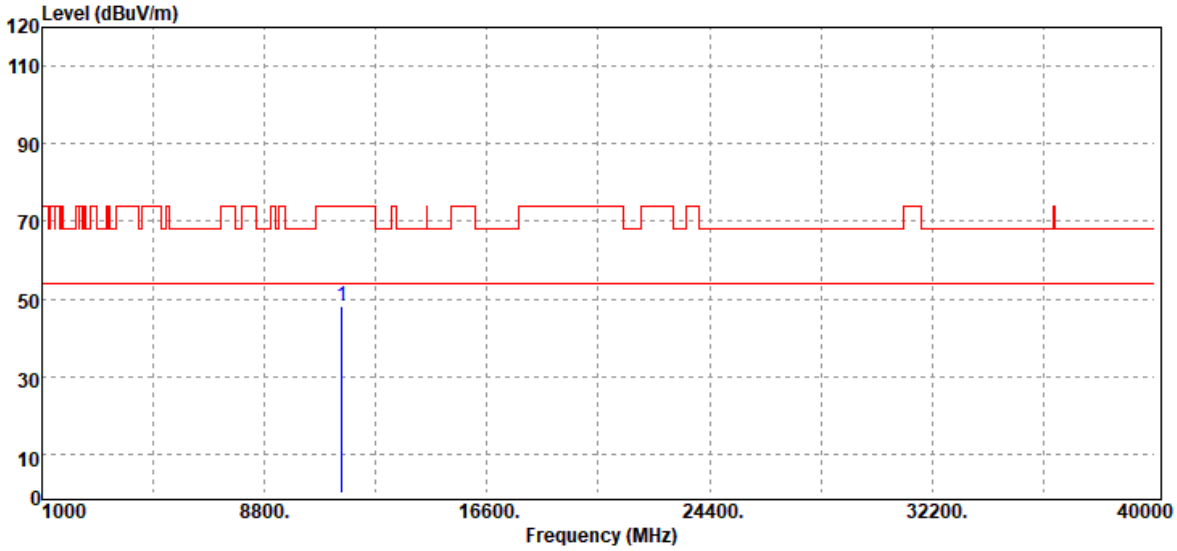


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11420.00	Peak	32.07	15.71	47.78	74.00	-26.22
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

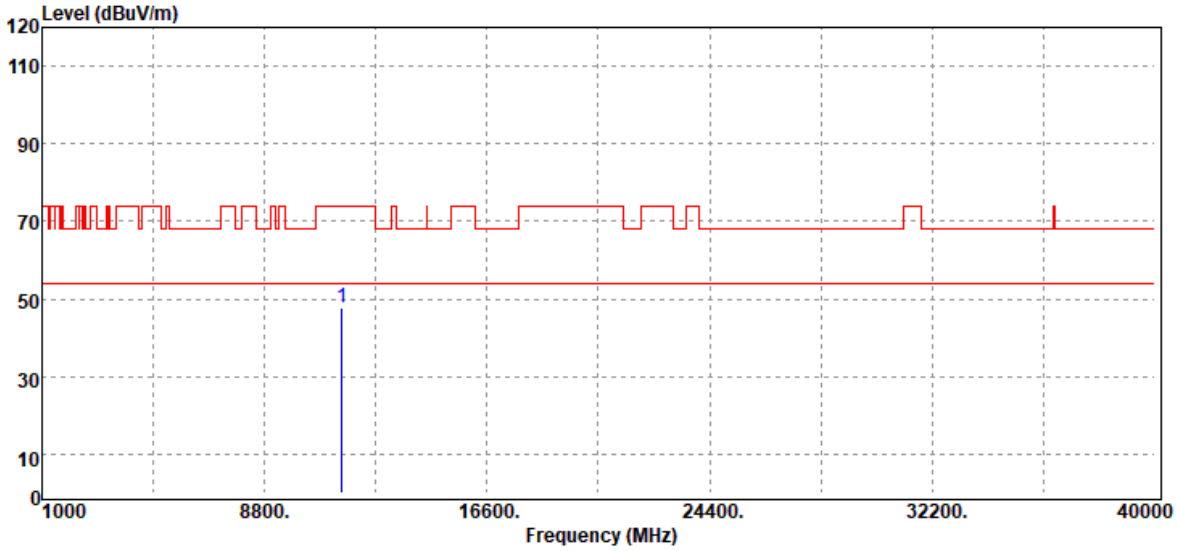


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11510.00	Peak	32.70	15.65	48.35	74.00	-25.65
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

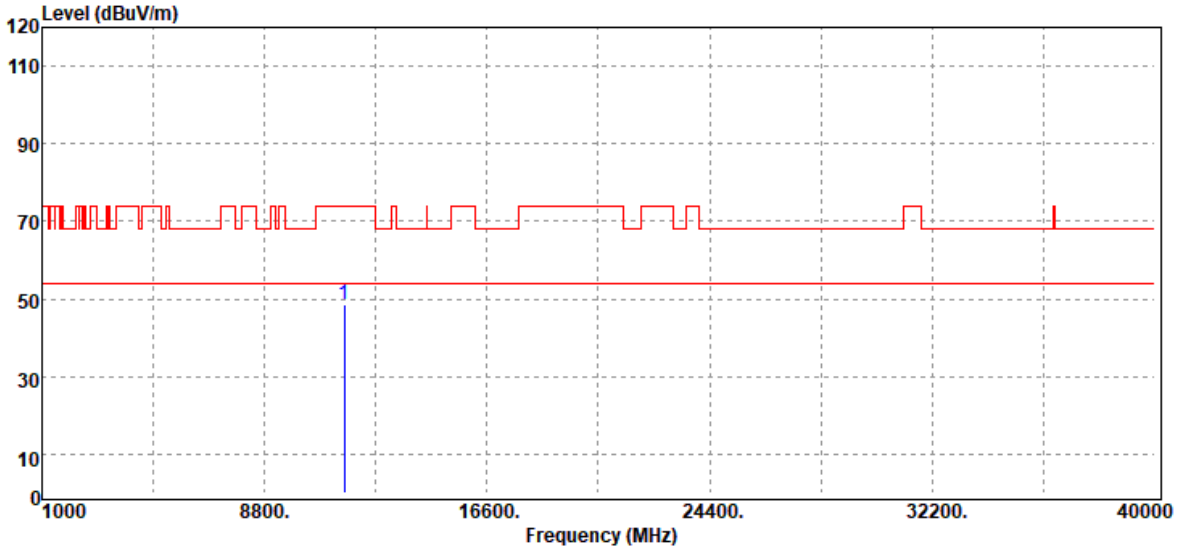


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11510.00	Peak	32.19	15.65	47.84	74.00	-26.16
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

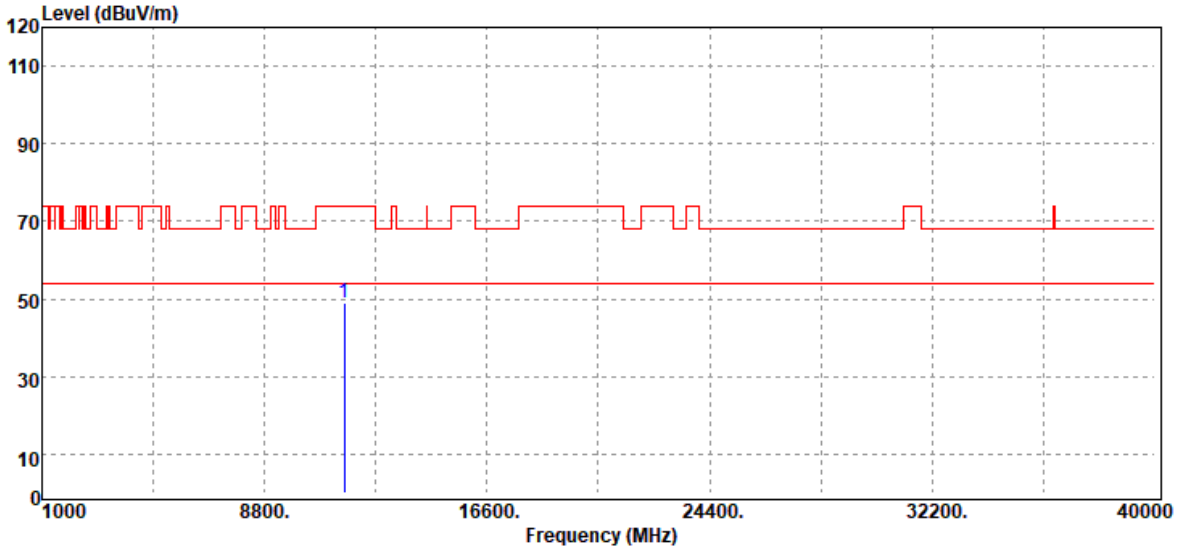


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11590.00	Peak	32.62	15.92	48.54	74.00	-25.46
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

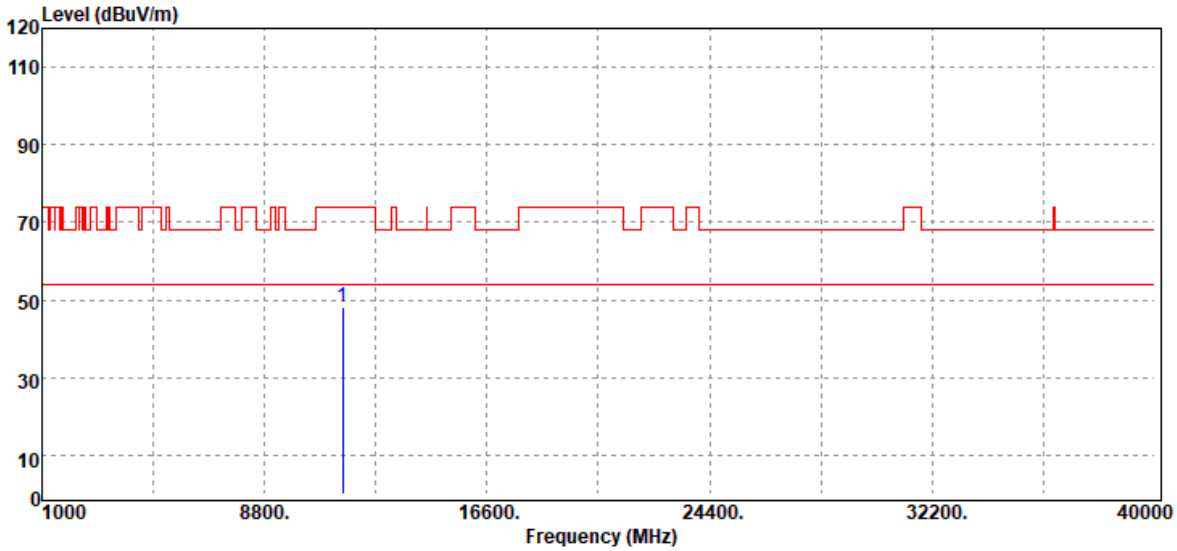


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11590.00	Peak	33.23	15.92	49.15	74.00	-24.85
N/A						

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.

Test Mode	IEEE 802.11ac VHT80/ 5775 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

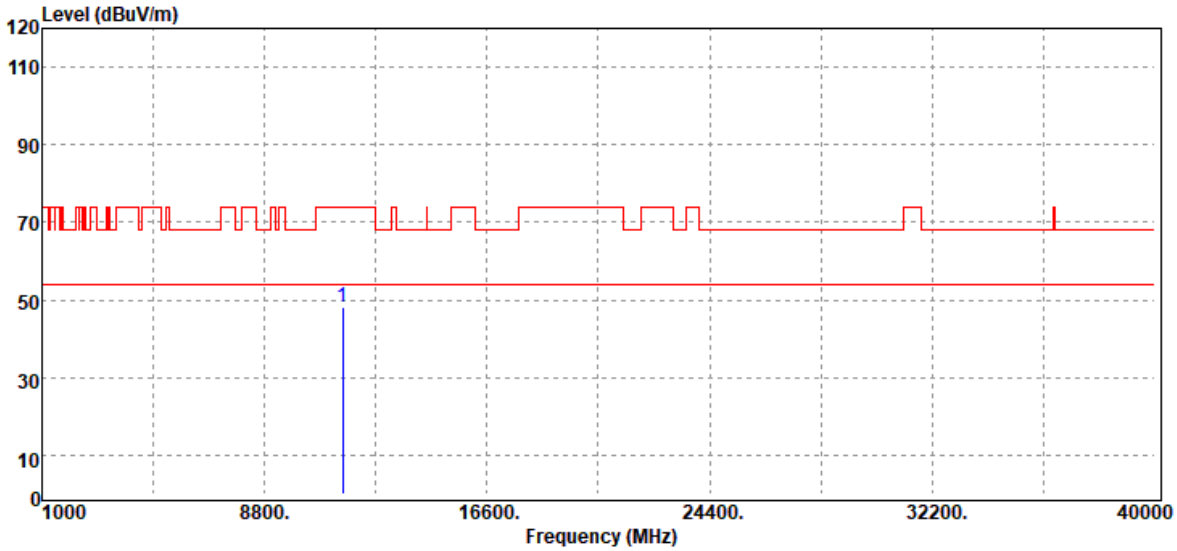


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11550.00	Peak	32.07	15.92	47.99	74.00	-26.01
N/A						

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.

Test Mode	IEEE 802.11ac VHT80/ 5775 MHz	Temp/Hum	23.9(℃)/ 52%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
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
11550.00	Peak	32.25	15.92	48.17	74.00	-25.83
N/A						

Remark:

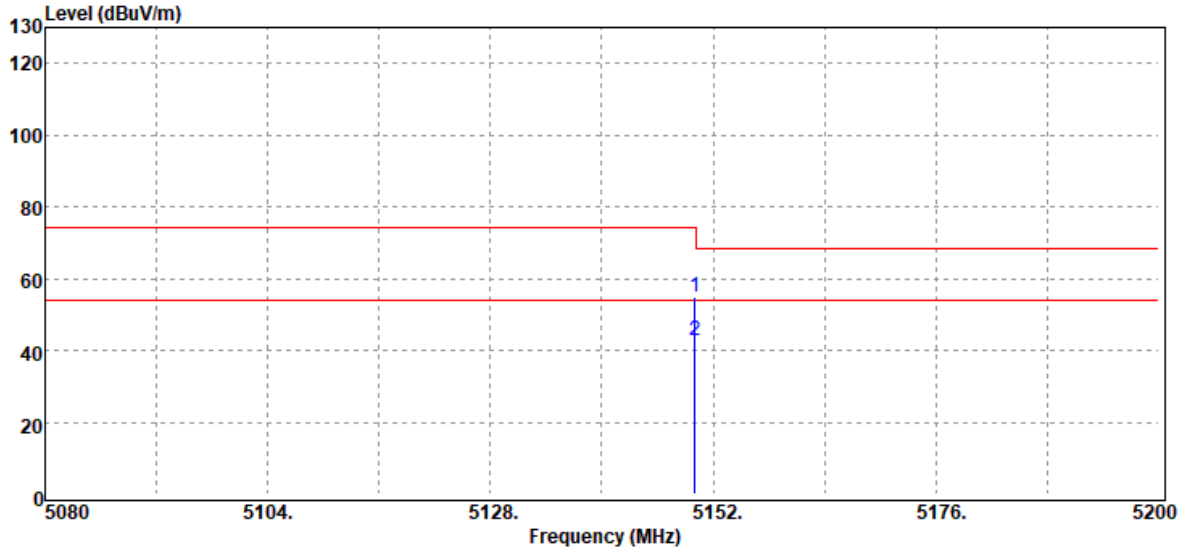
1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Type: Monopole Antenna (PCB)

Band Edge Test Data

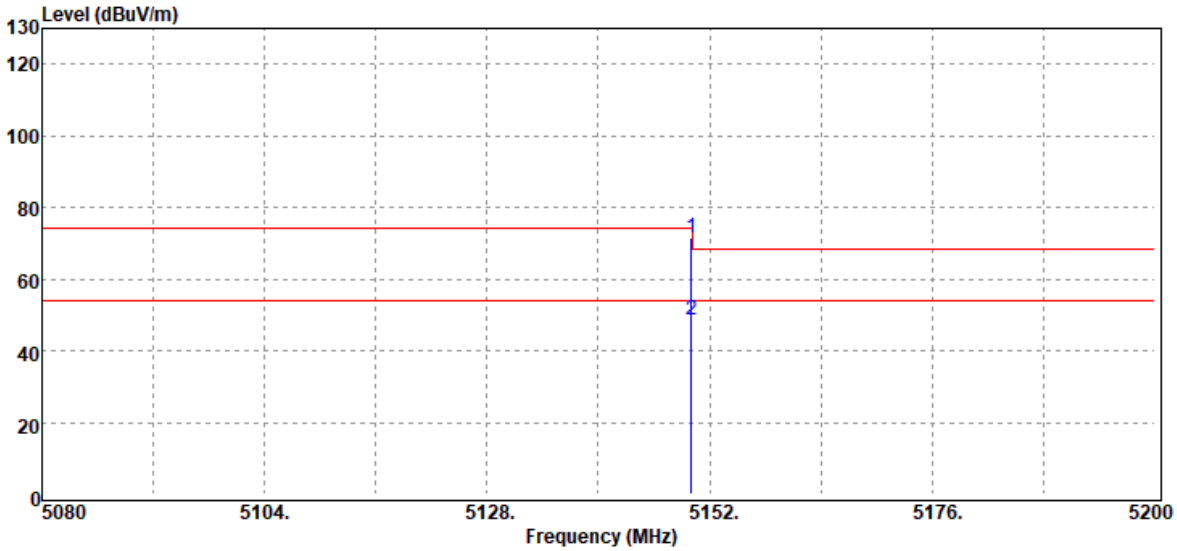
Test Data for UNII-1

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



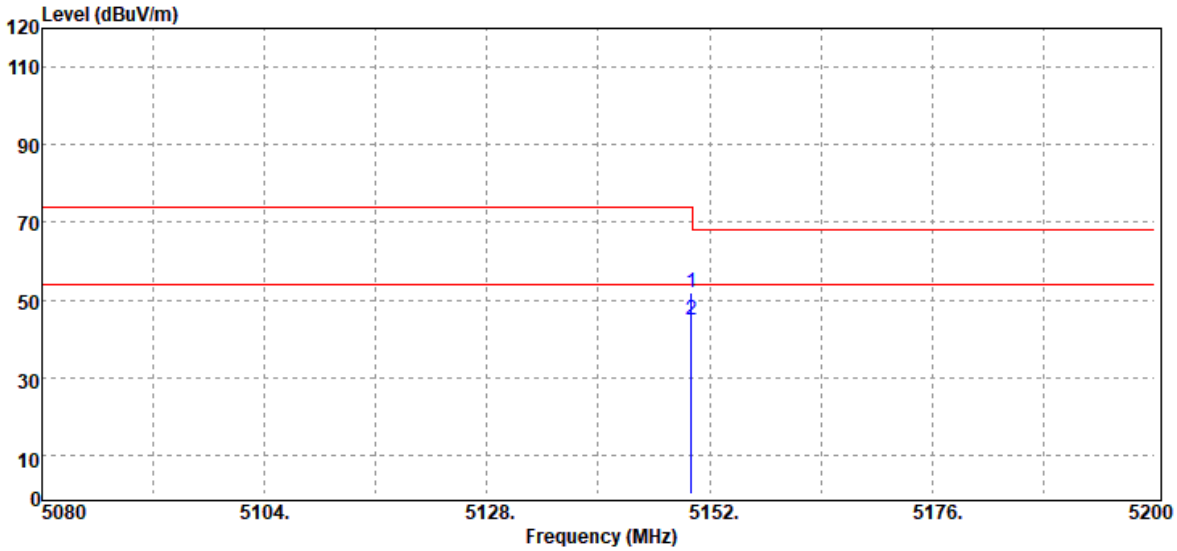
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	47.61	7.36	54.97	74.00	-19.03
5150.00	Average	35.58	7.36	42.94	54.00	-11.06

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



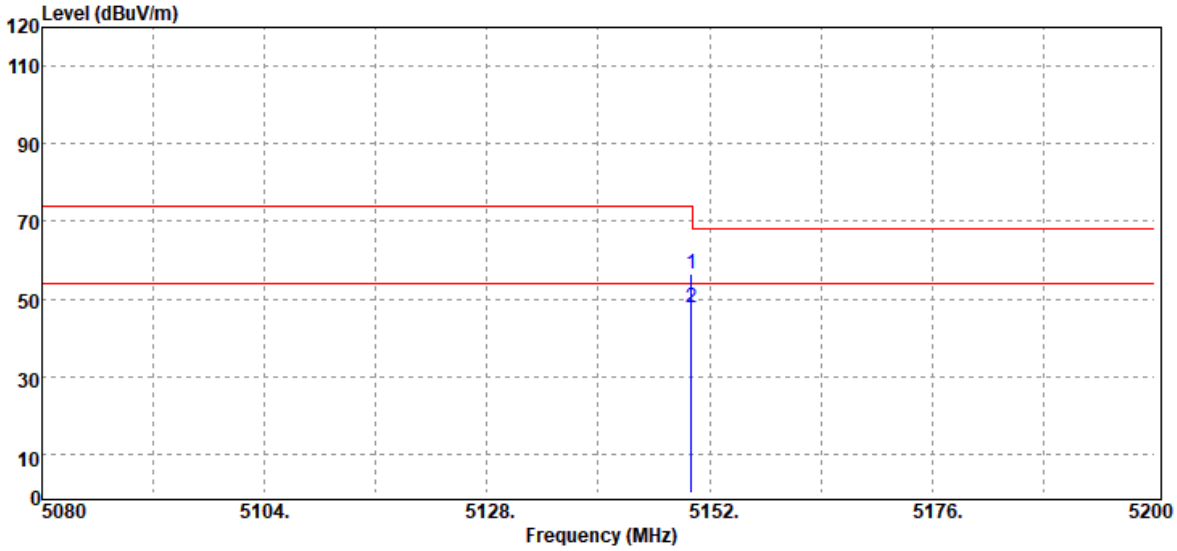
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	64.35	7.36	71.71	74.00	-2.29
5150.00	Average	41.36	7.36	48.72	54.00	-5.28

Test Mode	IEEE 802.11n 20 MHz / 5180MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



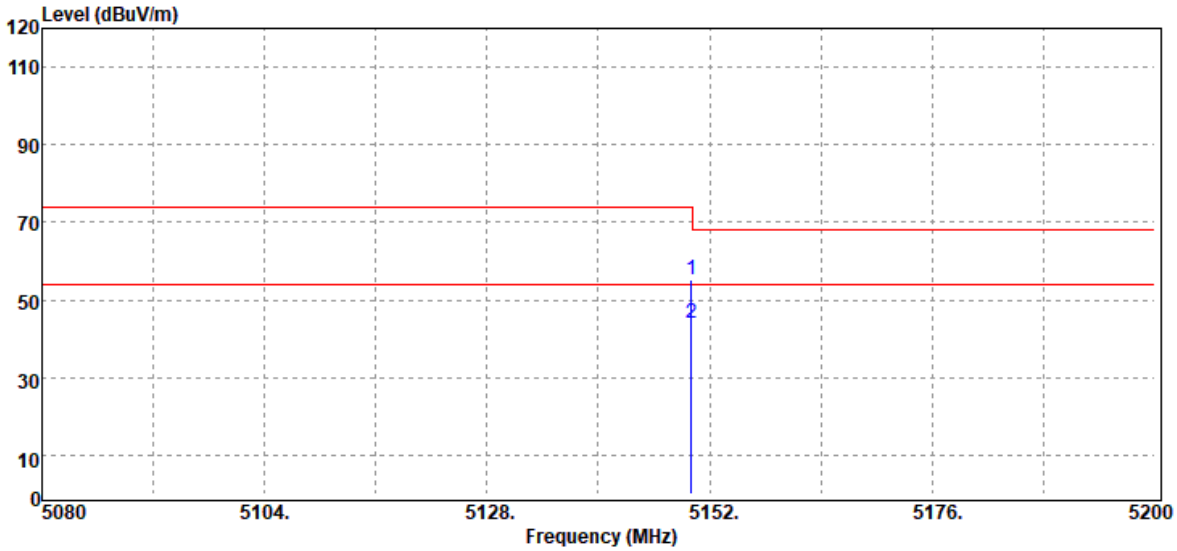
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	44.39	7.36	51.75	74.00	-22.25
5150.00	Average	37.56	7.36	44.92	54.00	-9.08

Test Mode	IEEE 802.11n 20 MHz / 5180MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



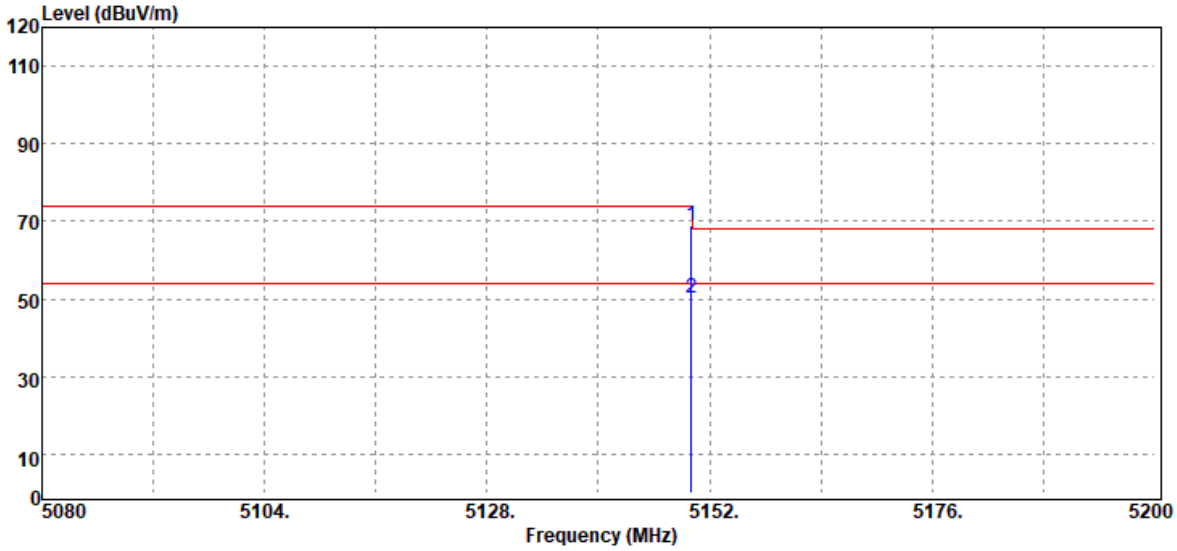
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	49.23	7.36	56.59	74.00	-17.41
5150.00	Average	40.55	7.36	47.91	54.00	-6.09

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



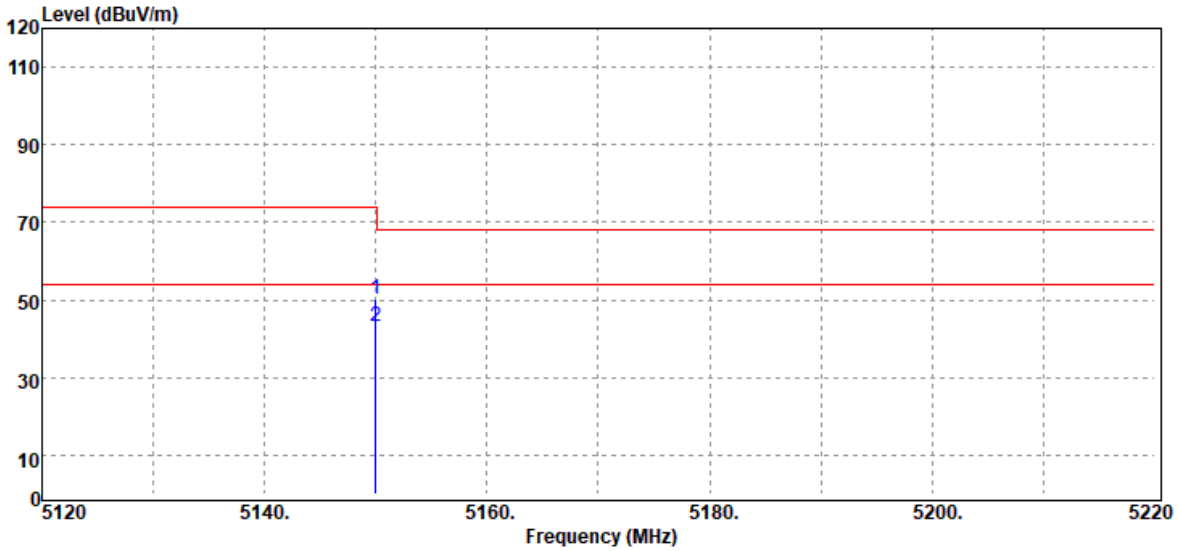
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	47.90	7.36	55.26	74.00	-18.74
5150.00	Average	36.69	7.36	44.05	54.00	-9.95

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



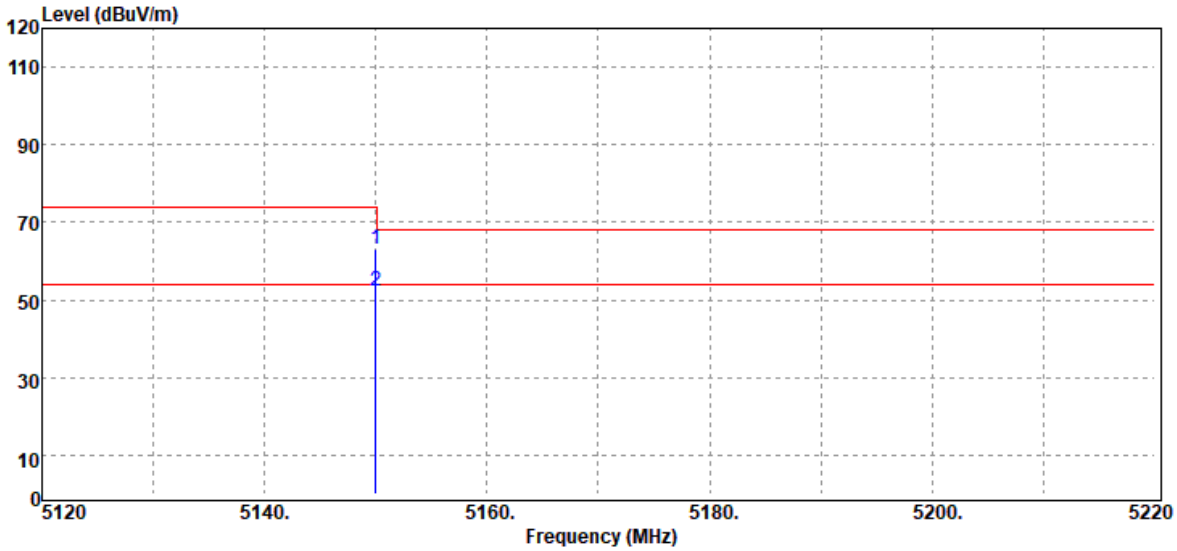
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5150.00	Peak	61.67	7.36	69.03	74.00	-4.97
5150.00	Average	42.95	7.36	50.31	54.00	-3.69

Test Mode	I EEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
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	42.91	7.36	50.27	74.00	-23.73
5150.00	Average	35.93	7.36	43.29	54.00	-10.71

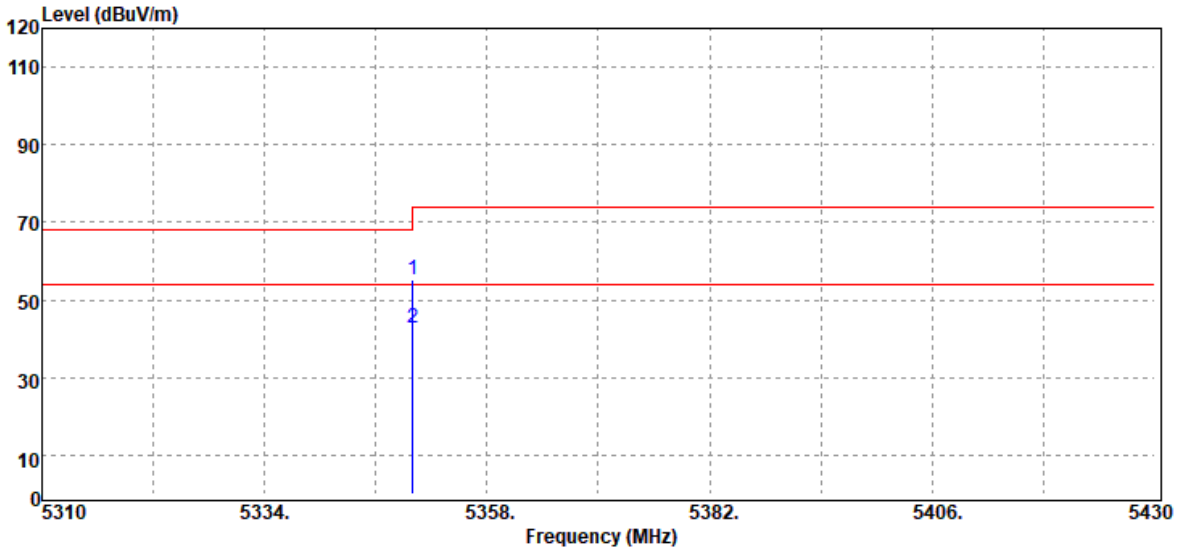
Test Mode	I EEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



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	55.67	7.36	63.03	74.00	-10.97
5150.00	Average	45.04	7.36	52.40	54.00	-1.60

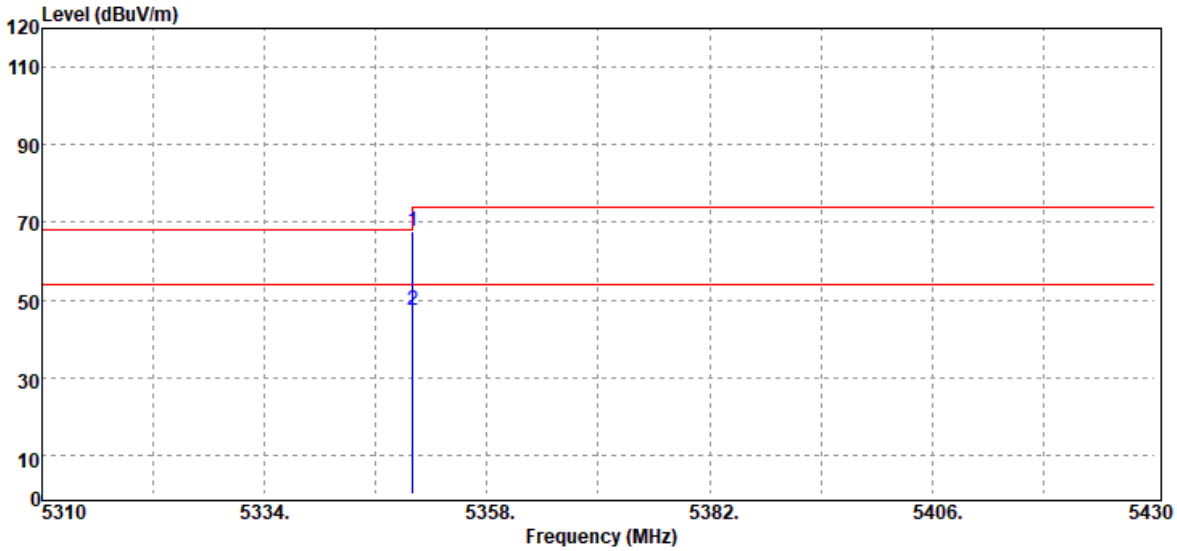
Test Data for UNII-2a

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



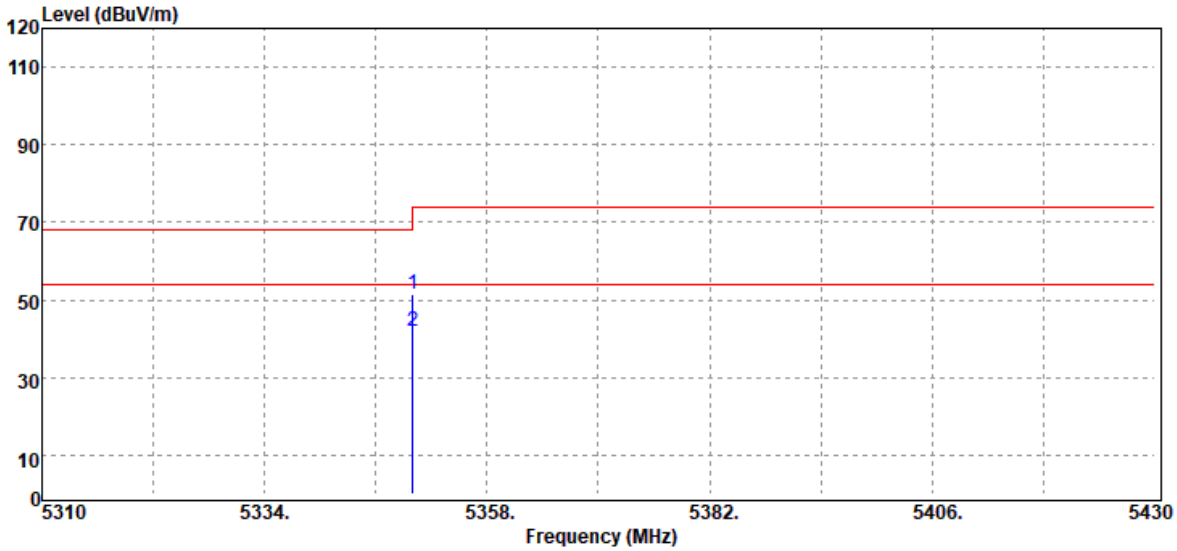
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	47.12	8.19	55.31	74.00	-18.69
5350.00	Average	34.53	8.19	42.72	54.00	-11.28

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



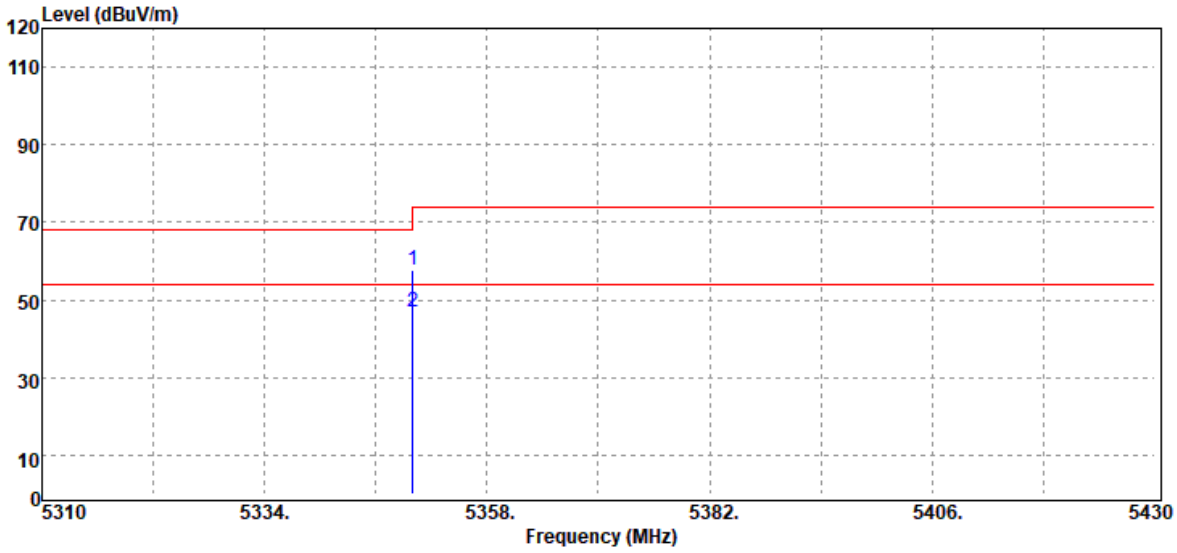
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	59.67	8.19	67.86	74.00	-6.14
5350.00	Average	39.03	8.19	47.22	54.00	-6.78

Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



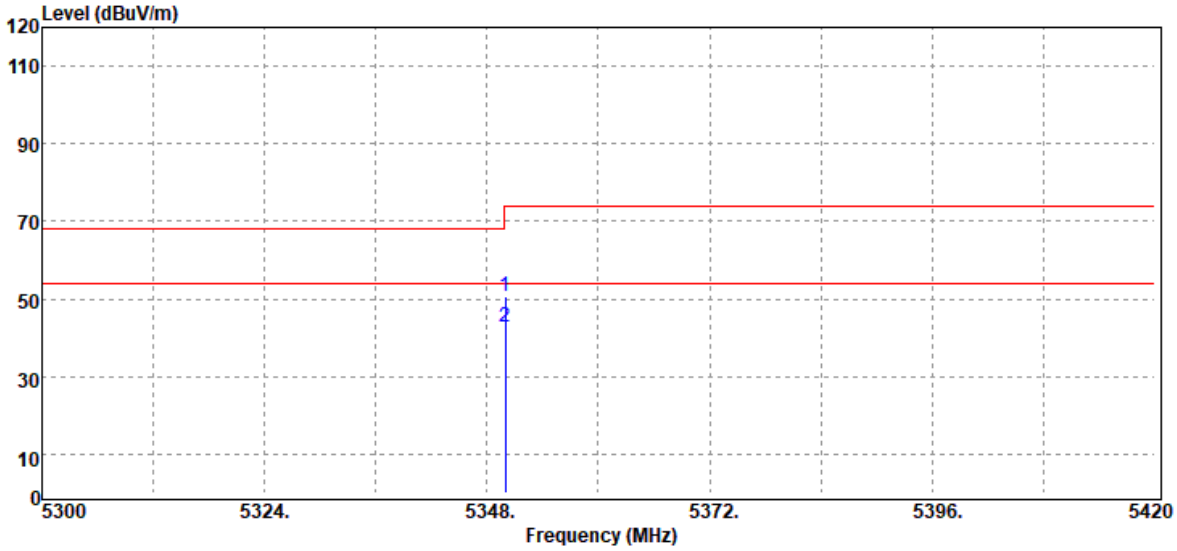
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	43.44	8.19	51.63	74.00	-22.37
5350.00	Average	33.86	8.19	42.05	54.00	-11.95

Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



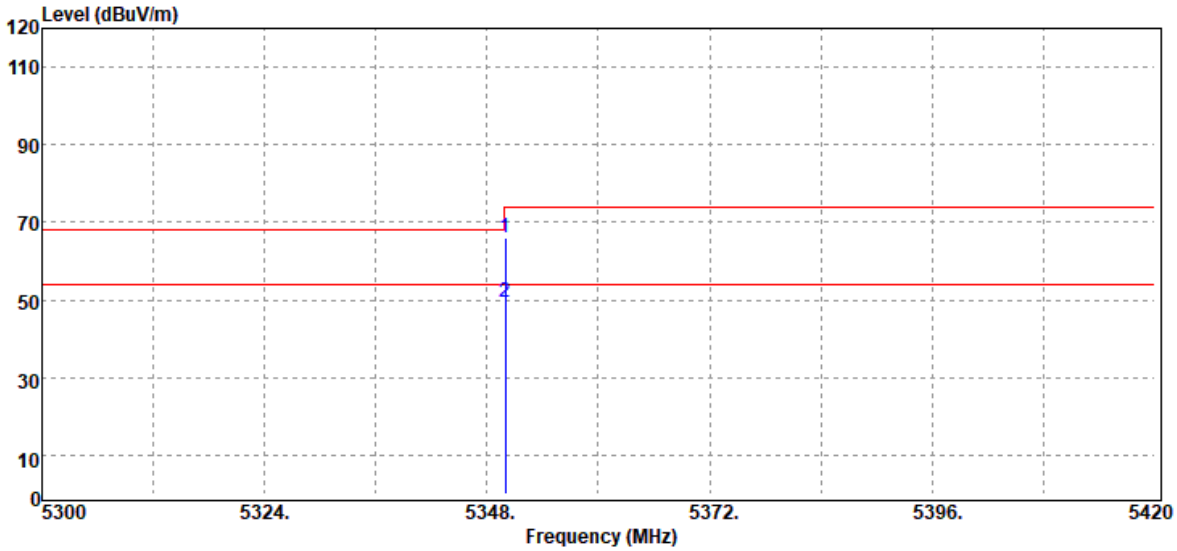
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	49.45	8.19	57.64	74.00	-16.36
5350.00	Average	38.73	8.19	46.92	54.00	-7.08

Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



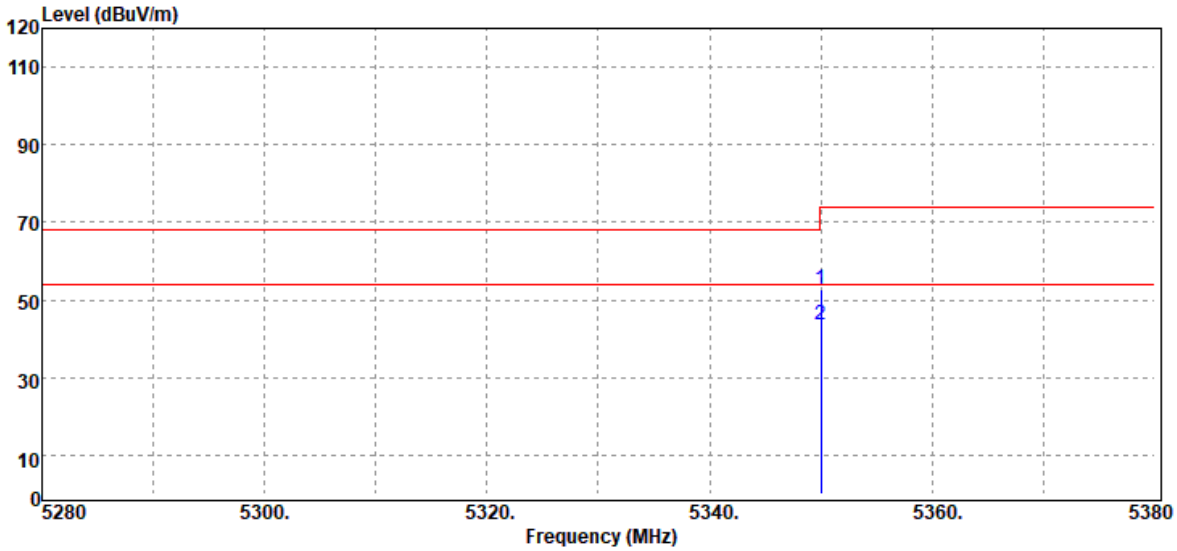
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	42.36	8.19	50.55	74.00	-23.45
5350.00	Average	34.45	8.19	42.64	54.00	-11.36

Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



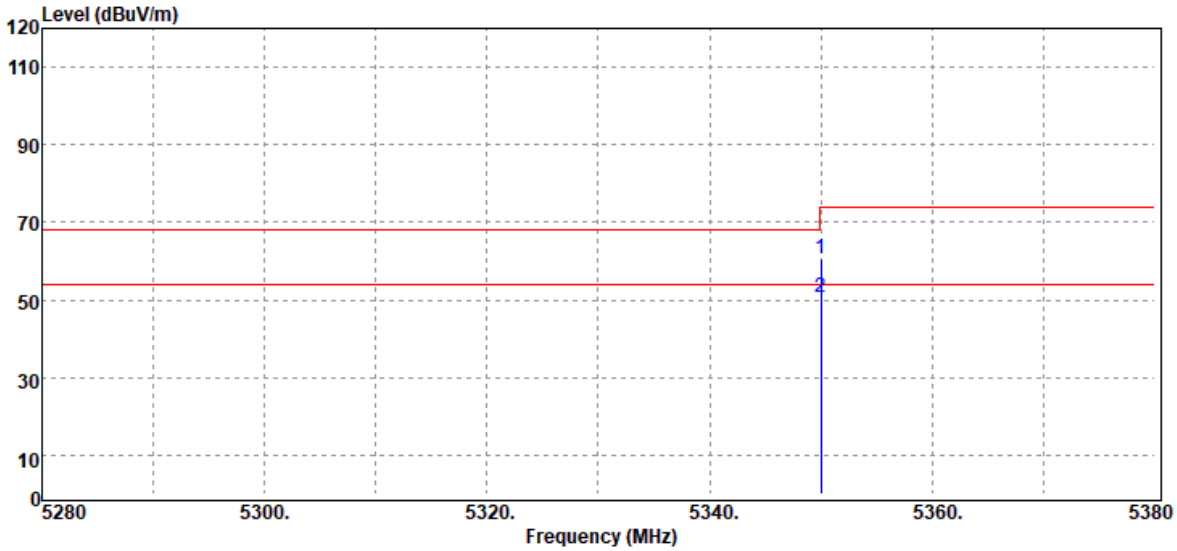
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Peak	57.93	8.19	66.12	74.00	-7.88
5350.00	Average	41.38	8.19	49.57	54.00	-4.43

Test Mode	IEEE 802.11ac VHT80 / 5290MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
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	44.38	8.19	52.57	74.00	-21.43
5350.00	Average	35.54	8.19	43.73	54.00	-10.27

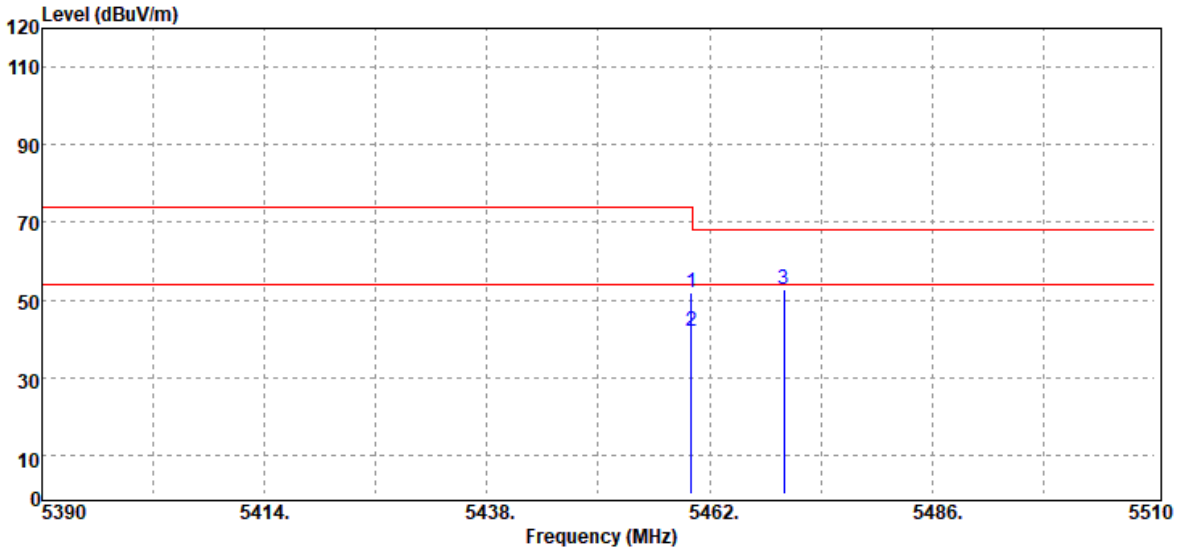
Test Mode	IEEE 802.11ac VHT80 / 5290MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



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	52.26	8.19	60.45	74.00	-13.55
5350.00	Average	42.58	8.19	50.77	54.00	-3.23

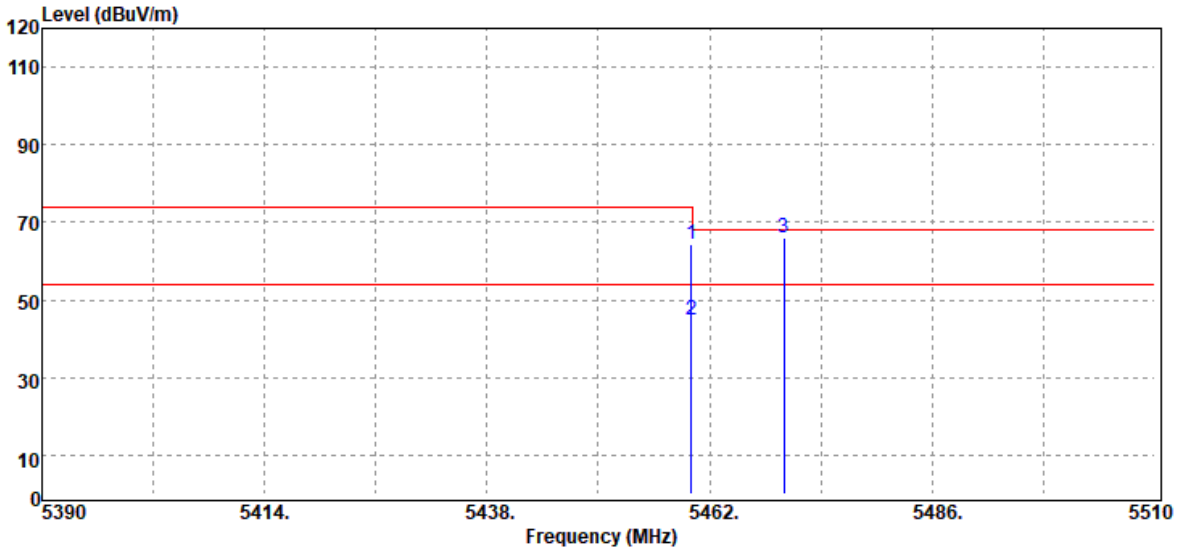
Test Data for UNII-2c

Test Mode	IEEE 802.11a / 5500MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



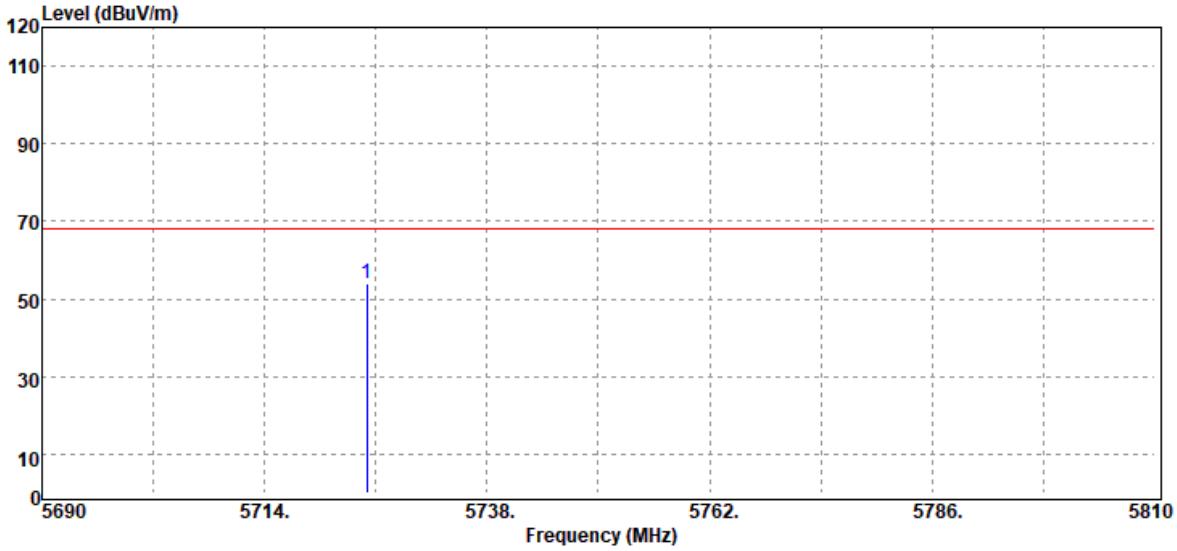
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	43.54	8.38	51.92	74.00	-22.08
5460.00	Average	33.55	8.38	41.93	54.00	-12.07
5470.00	Peak	44.54	8.39	52.93	68.20	-15.27

Test Mode	IEEE 802.11a / 5500MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



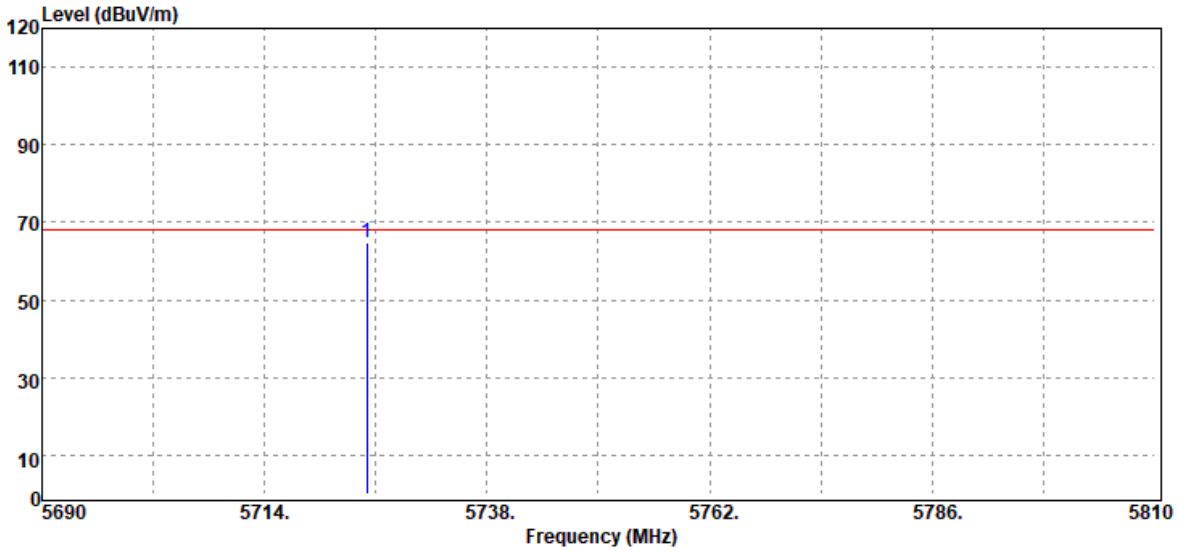
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	56.04	8.38	64.42	74.00	-9.58
5460.00	Average	36.65	8.38	45.03	54.00	-8.97
5470.00	Peak	57.47	8.39	65.86	68.20	-2.34

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



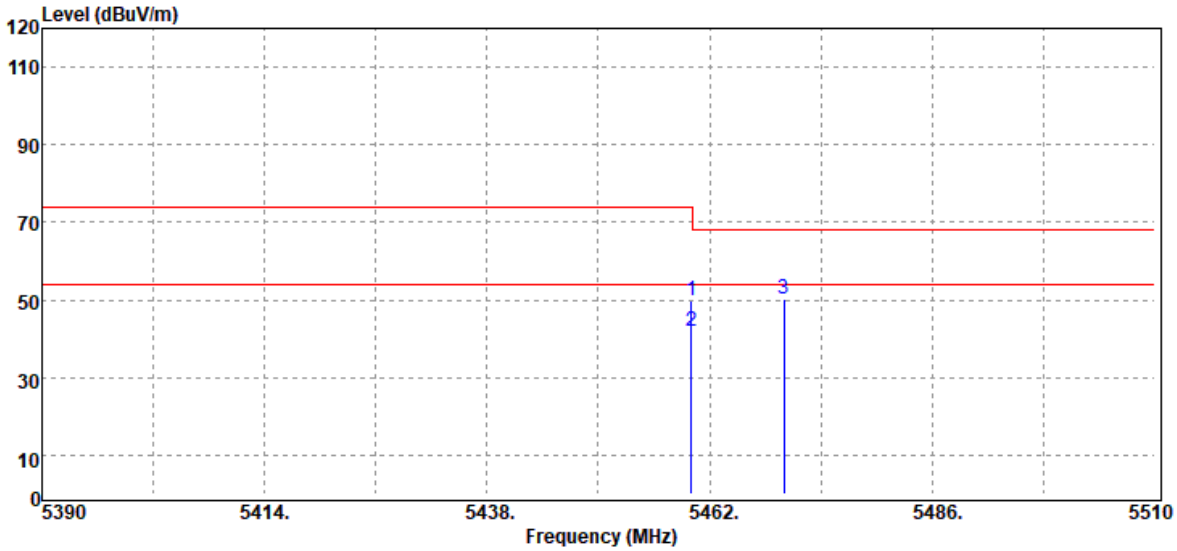
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	45.61	8.31	53.92	68.20	-14.28

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



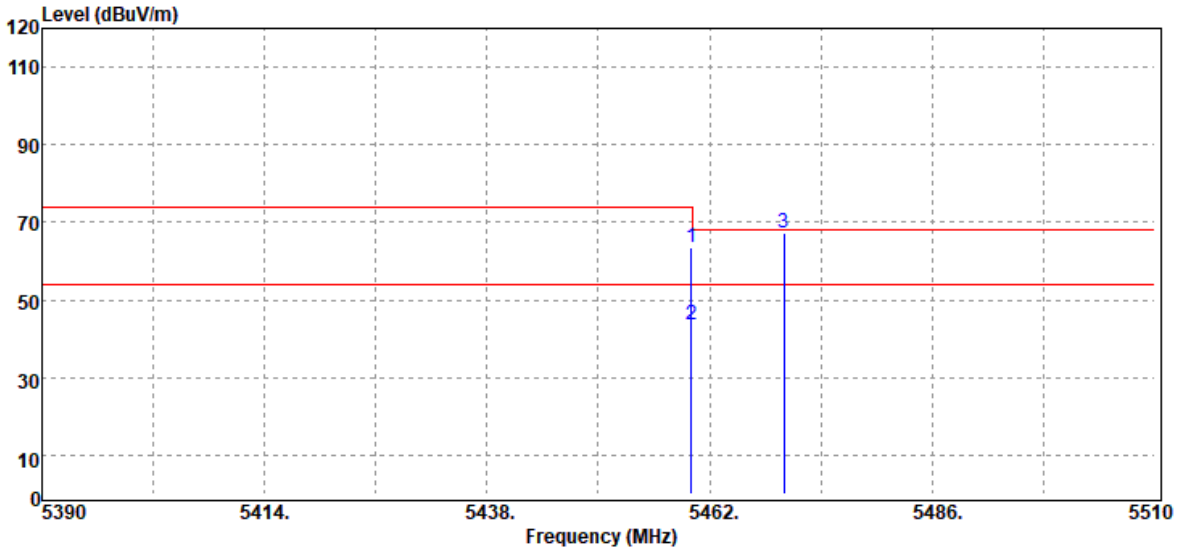
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	56.41	8.31	64.72	68.20	-3.48

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



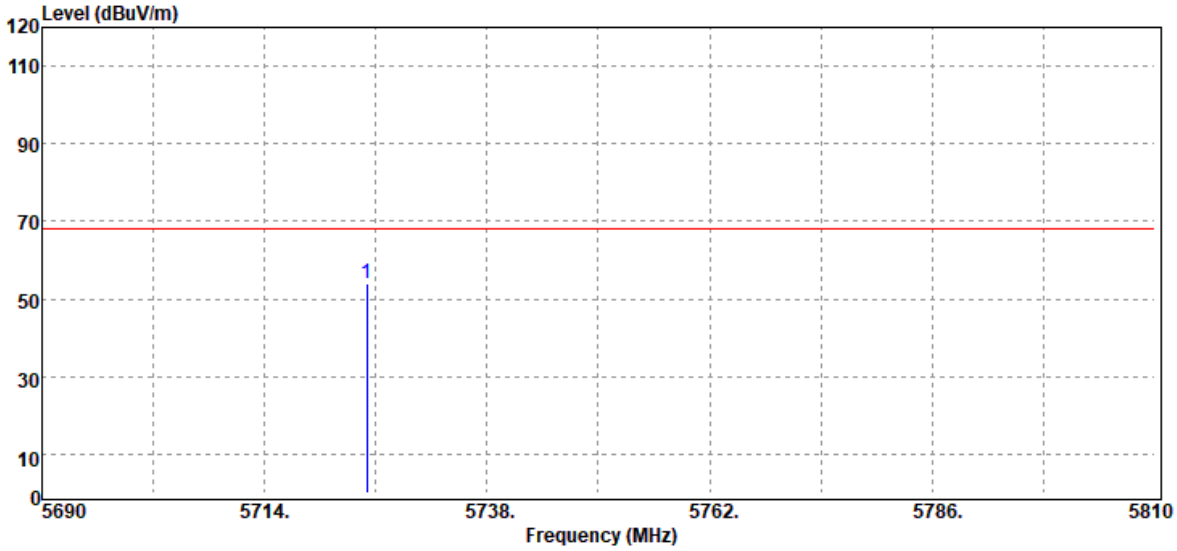
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	41.58	8.38	49.96	74.00	-24.04
5460.00	Average	33.67	8.38	42.05	54.00	-11.95
5470.00	Peak	42.02	8.39	50.41	68.20	-17.79

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



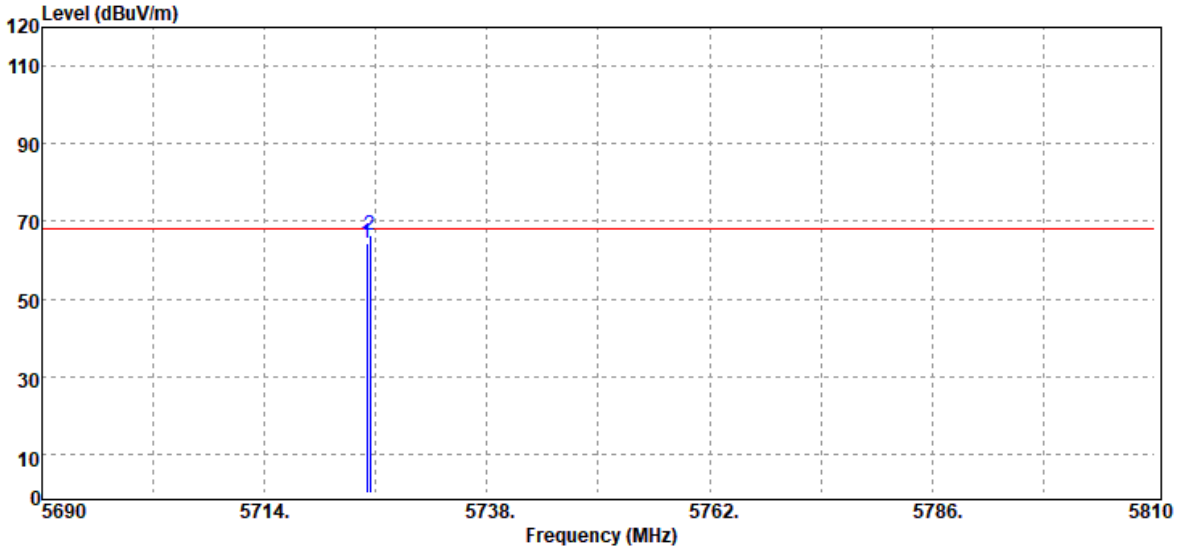
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	55.23	8.38	63.61	74.00	-10.39
5460.00	Average	35.41	8.38	43.79	54.00	-10.21
5470.00	Peak	58.73	8.39	67.12	68.20	-1.08

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temperature	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



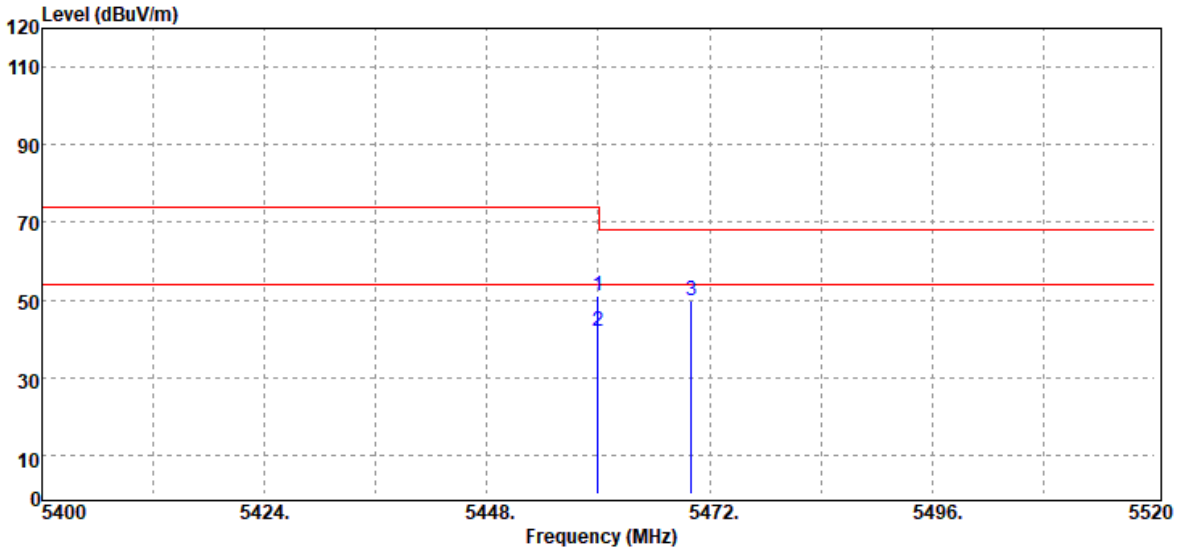
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	45.50	8.31	53.81	68.20	-14.39

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temperature	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



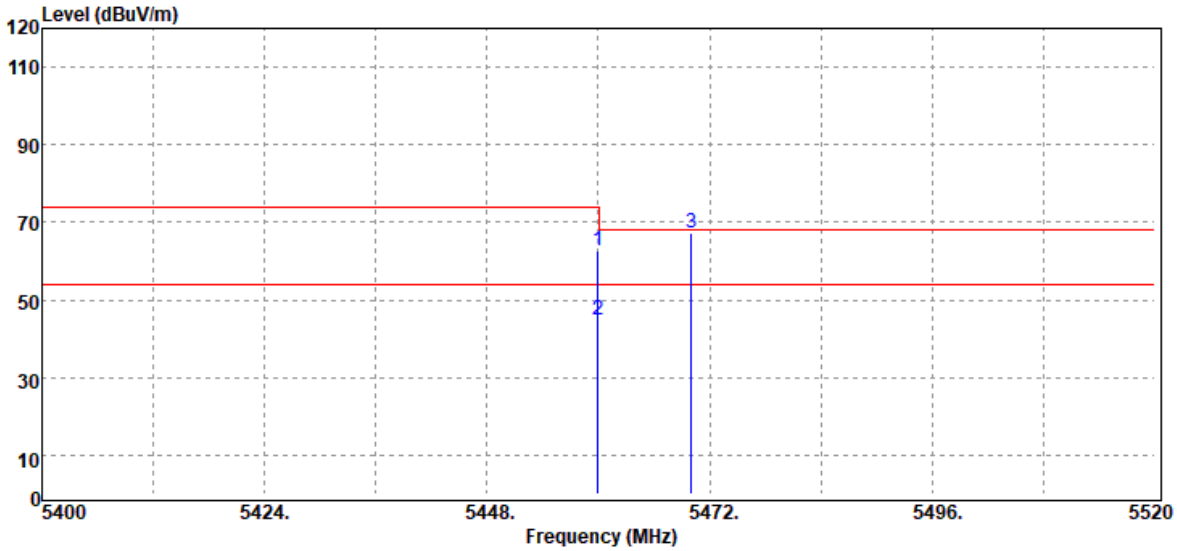
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	55.87	8.31	64.18	68.20	-4.02
5725.38	Peak	58.10	8.31	66.41	68.20	-1.79

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak / Average		



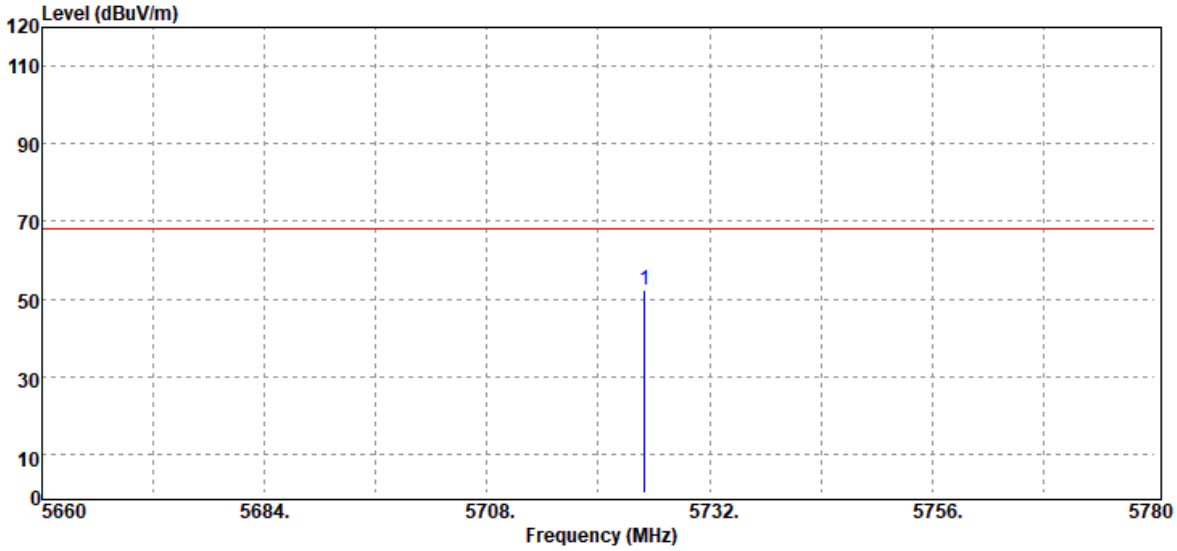
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	42.77	8.38	51.15	74.00	-22.85
5460.00	Average	33.47	8.38	41.85	54.00	-12.15
5470.00	Peak	41.63	8.39	50.02	68.20	-18.18

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



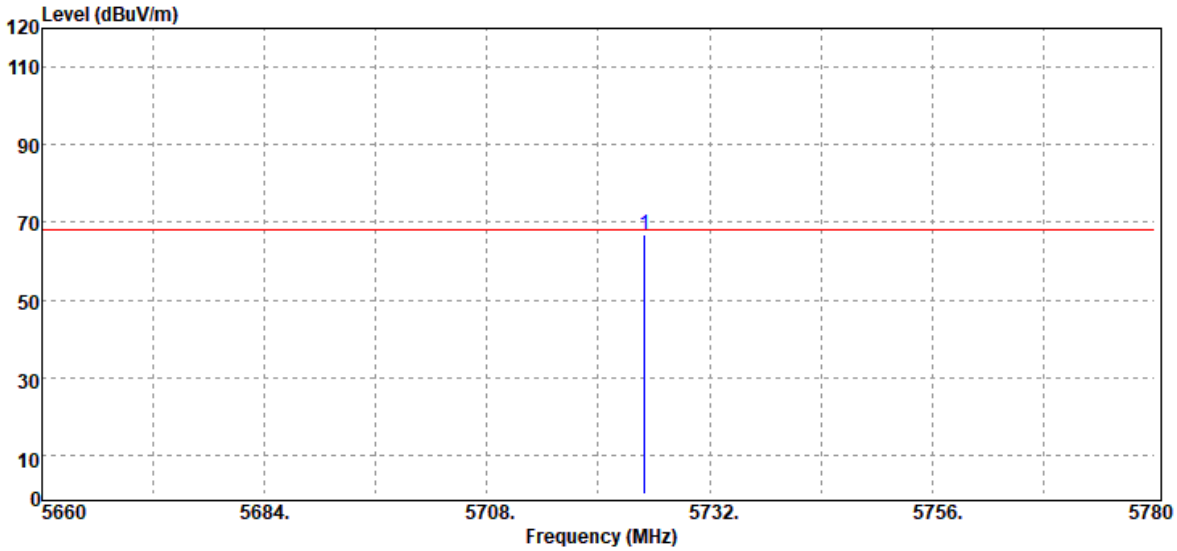
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Peak	54.36	8.38	62.74	74.00	-11.26
5460.00	Average	36.51	8.38	44.89	54.00	-9.11
5470.00	Peak	58.74	8.39	67.13	68.20	-1.07

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



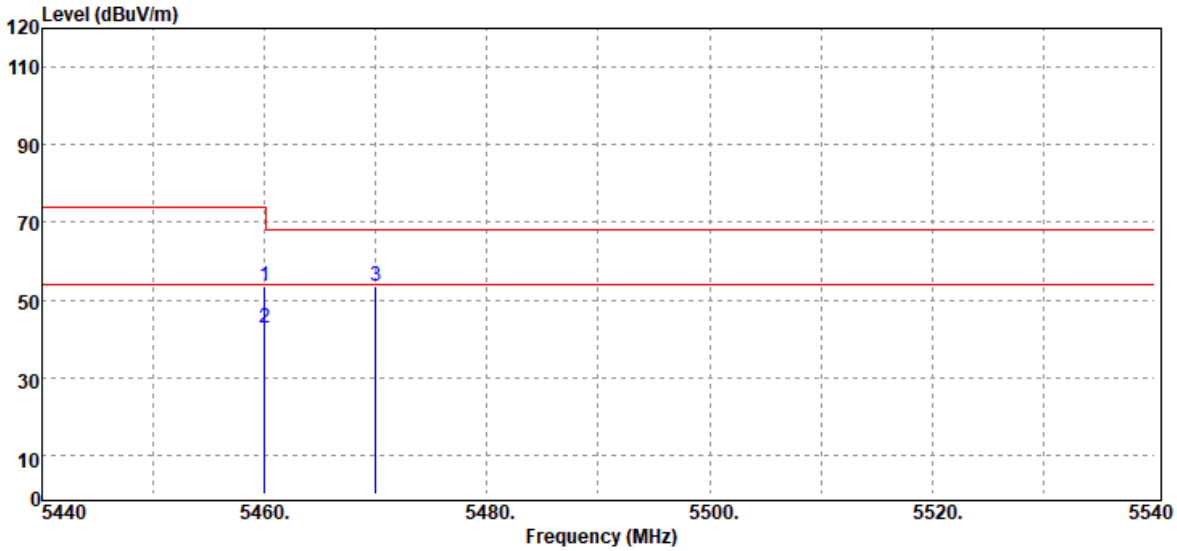
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	44.13	8.31	52.44	68.20	-15.76

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



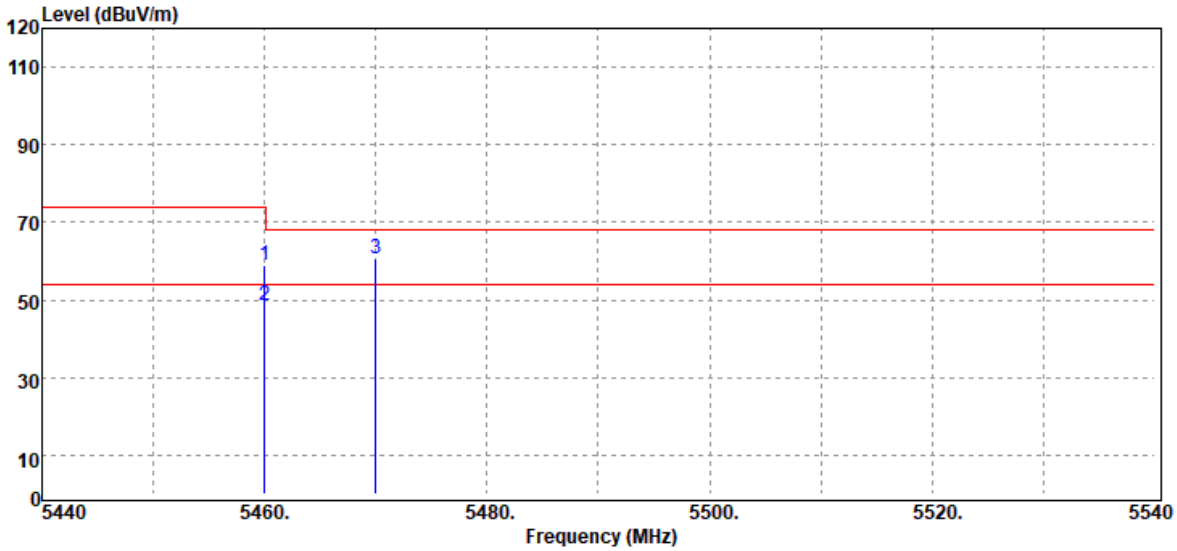
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	58.47	8.31	66.78	68.20	-1.42

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
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	45.31	8.38	53.69	74.00	-20.31
5460.00	Average	34.36	8.38	42.74	54.00	-11.26
5470.00	Peak	45.29	8.39	53.68	68.20	-14.52

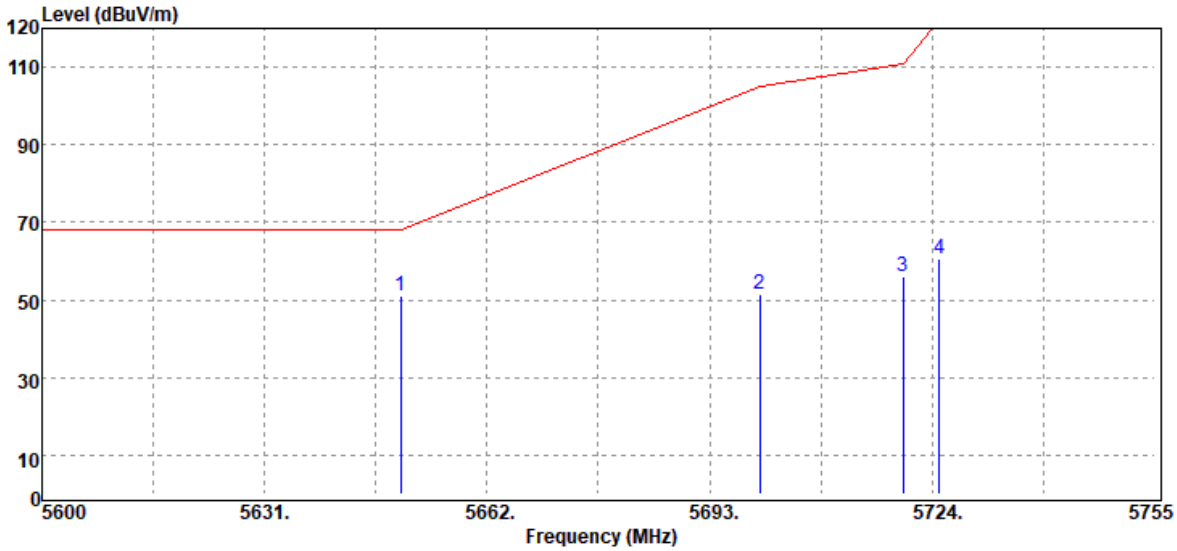
Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



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	50.74	8.38	59.12	74.00	-14.88
5460.00	Average	40.08	8.38	48.46	54.00	-5.54
5470.00	Peak	52.30	8.39	60.69	68.20	-7.51

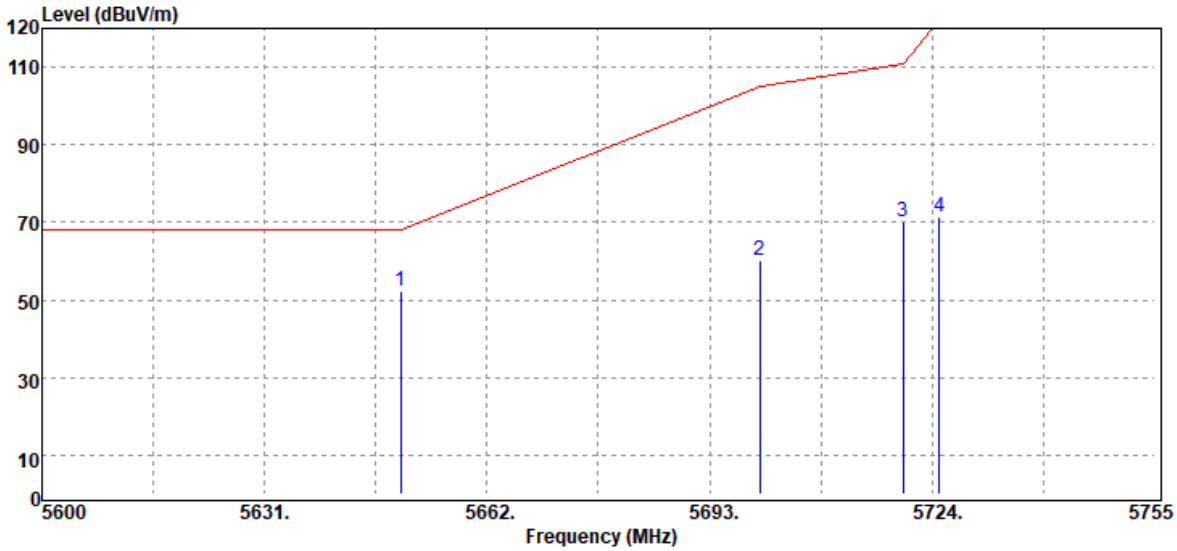
Test Data for UNII-3

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



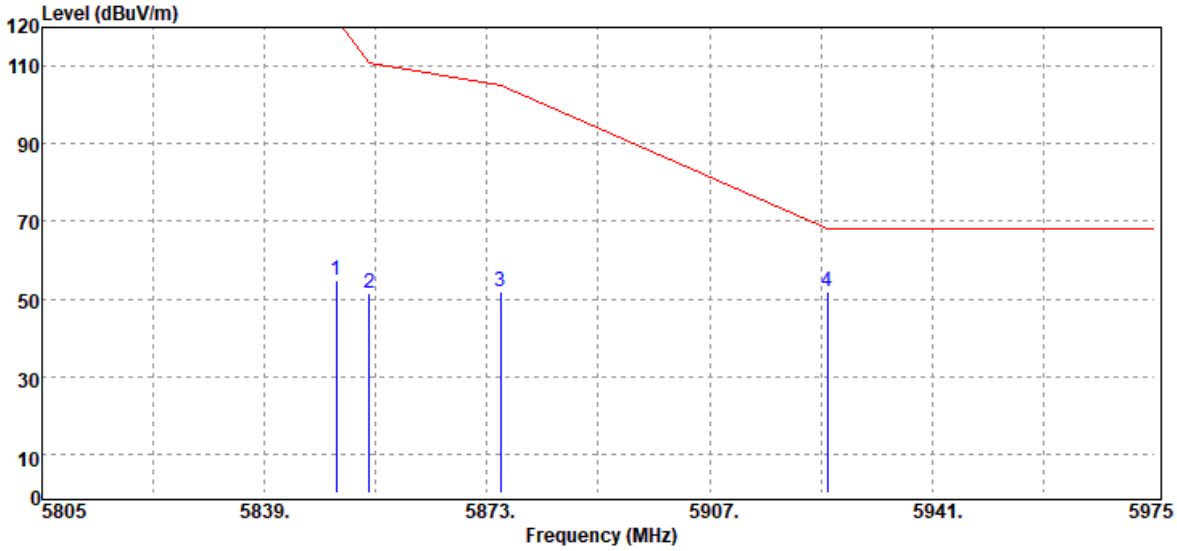
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	42.92	8.17	51.09	68.20	-17.11
5700.00	Peak	43.25	8.28	51.53	105.20	-53.67
5720.00	Peak	47.86	8.30	56.16	110.80	-54.64
5725.00	Peak	52.50	8.31	60.81	122.20	-61.39

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



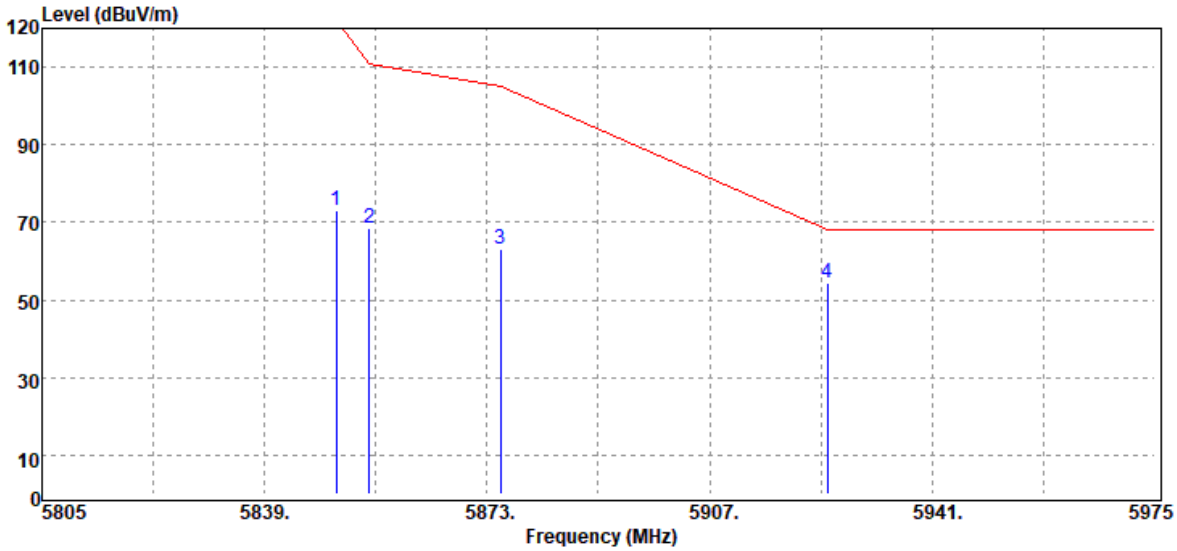
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	44.24	8.17	52.41	68.20	-15.79
5700.00	Peak	51.98	8.28	60.26	105.20	-44.94
5720.00	Peak	61.74	8.30	70.04	110.80	-40.76
5725.00	Peak	62.97	8.31	71.28	122.20	-50.92

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



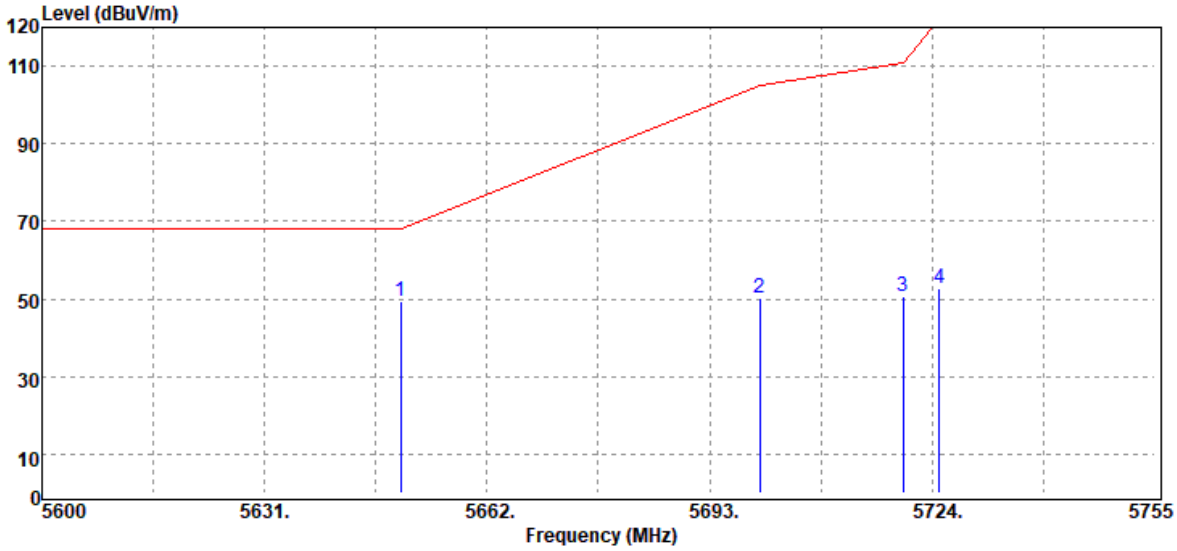
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	46.31	8.62	54.93	122.20	-67.27
5855.00	Peak	42.93	8.64	51.57	110.80	-59.23
5875.00	Peak	43.39	8.71	52.10	105.20	-53.10
5925.00	Peak	43.05	8.82	51.87	68.20	-16.33

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



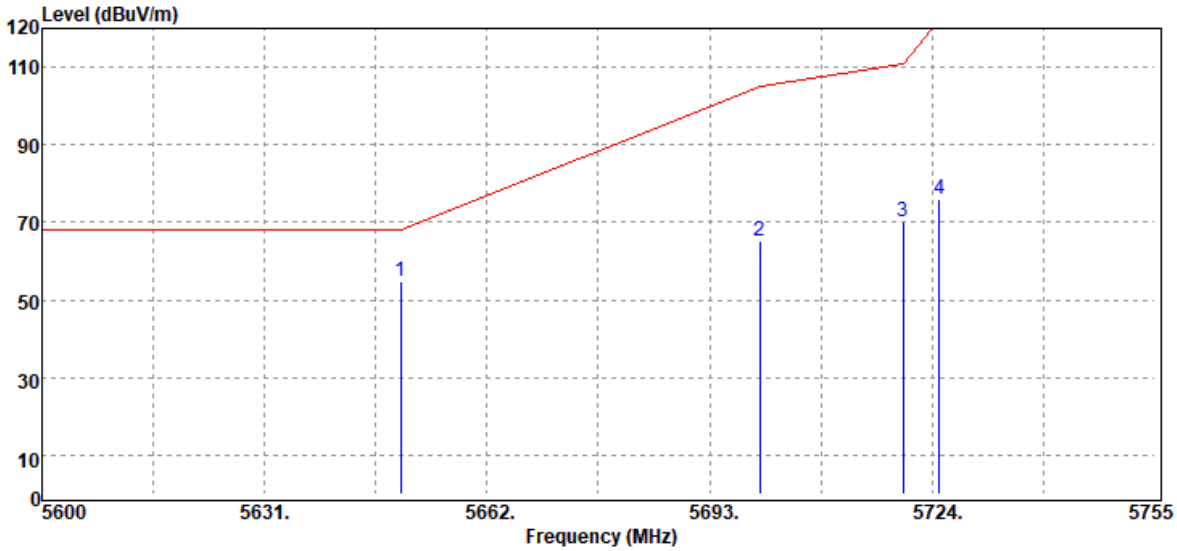
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	64.37	8.62	72.99	122.20	-49.21
5855.00	Peak	59.75	8.64	68.39	110.80	-42.41
5875.00	Peak	54.41	8.71	63.12	105.20	-42.08
5925.00	Peak	45.49	8.82	54.31	68.20	-13.89

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



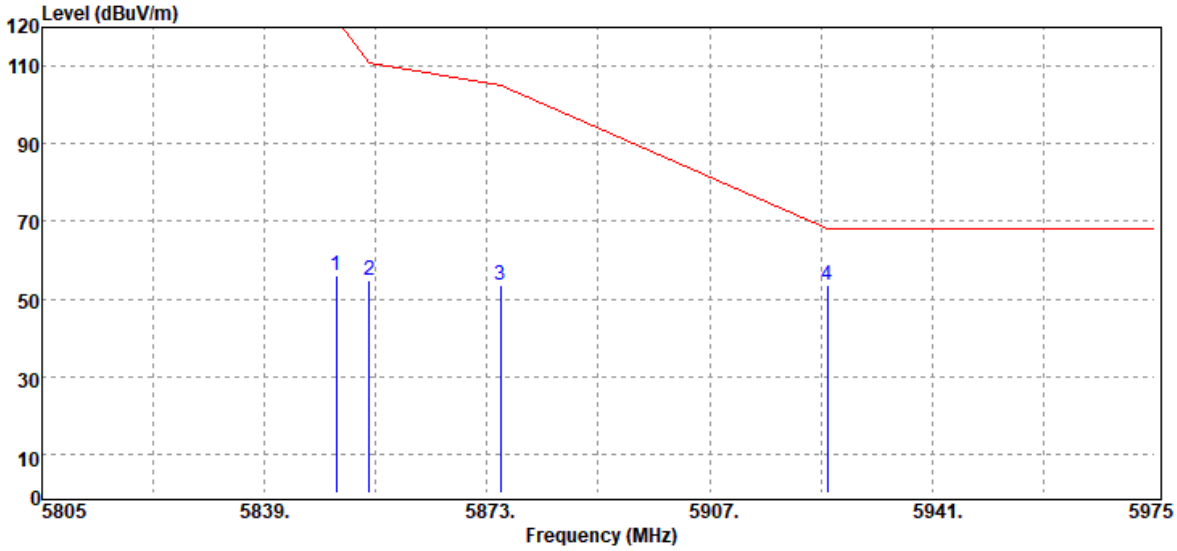
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	41.04	8.17	49.21	68.20	-18.99
5700.00	Peak	42.04	8.28	50.32	105.20	-54.88
5720.00	Peak	42.56	8.30	50.86	110.80	-59.94
5725.00	Peak	44.34	8.31	52.65	122.20	-69.55

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



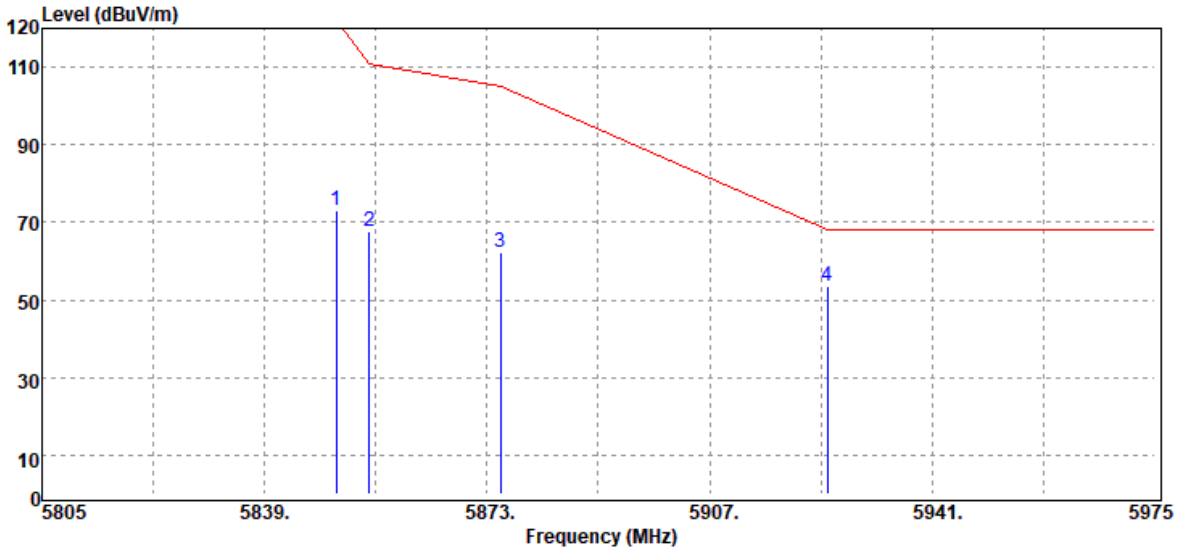
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	46.79	8.17	54.96	68.20	-13.24
5700.00	Peak	56.91	8.28	65.19	105.20	-40.01
5720.00	Peak	61.92	8.30	70.22	110.80	-40.58
5725.00	Peak	67.62	8.31	75.93	122.20	-46.27

Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



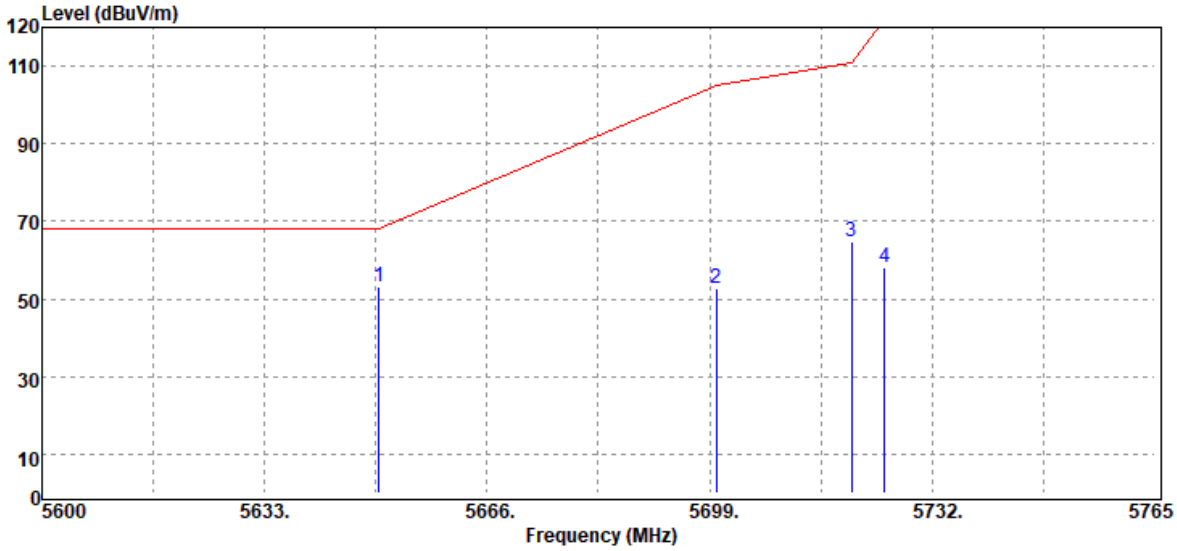
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	47.55	8.62	56.17	122.20	-66.03
5855.00	Peak	46.06	8.64	54.70	110.80	-56.10
5875.00	Peak	44.84	8.71	53.55	105.20	-51.65
5925.00	Peak	44.55	8.82	53.37	68.20	-14.83

Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



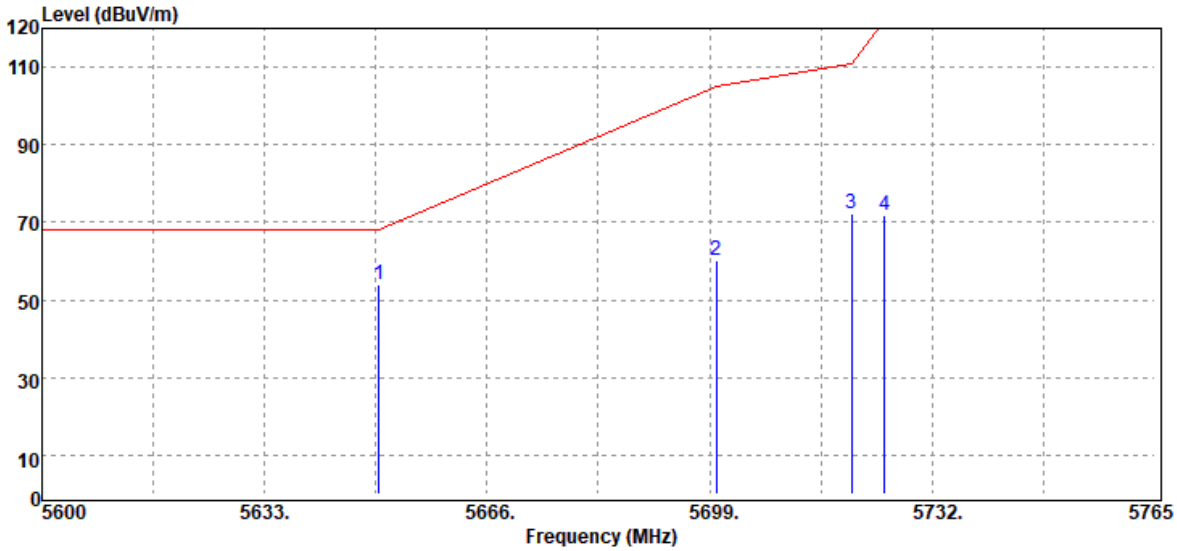
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	64.42	8.62	73.04	122.20	-49.16
5855.00	Peak	59.02	8.64	67.66	110.80	-43.14
5875.00	Peak	53.40	8.71	62.11	105.20	-43.09
5925.00	Peak	44.54	8.82	53.36	68.20	-14.84

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



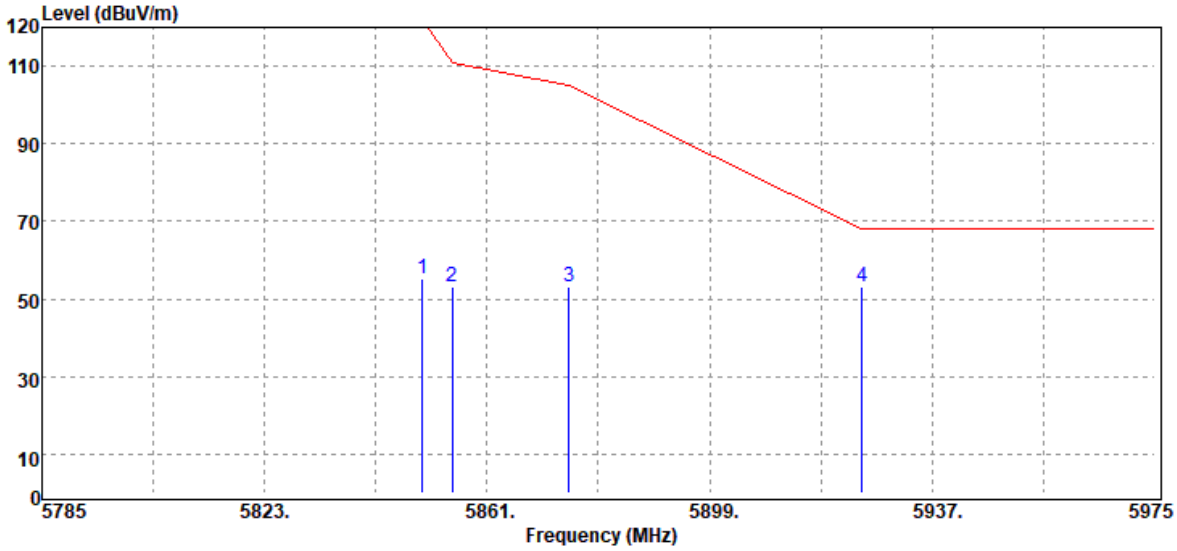
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	44.77	8.17	52.94	68.20	-15.26
5700.00	Peak	44.39	8.28	52.67	105.20	-52.53
5720.00	Peak	56.61	8.30	64.91	110.80	-45.89
5725.00	Peak	49.83	8.31	58.14	122.20	-64.06

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



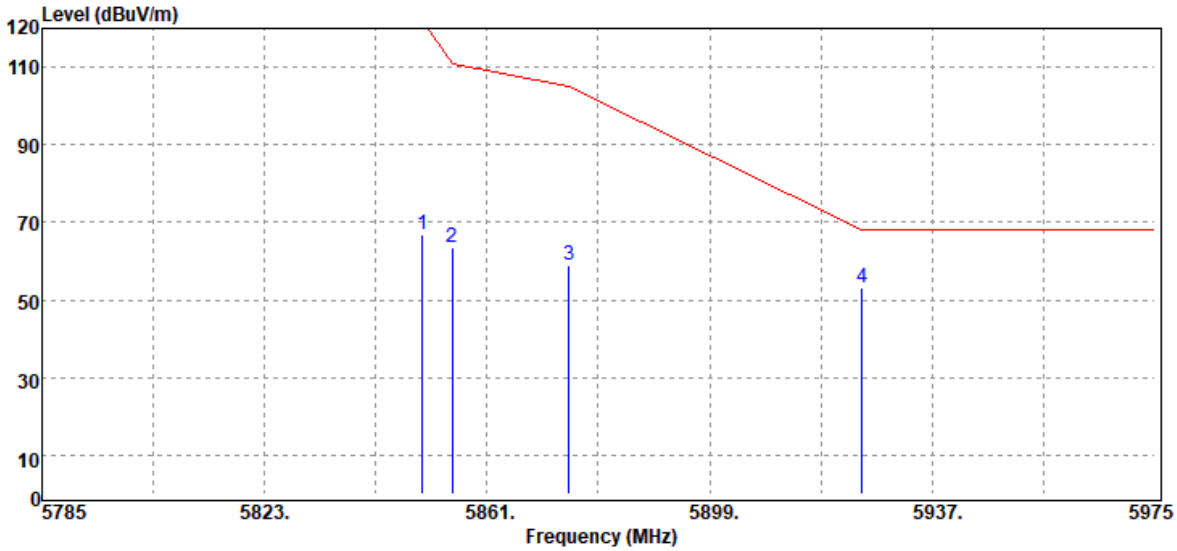
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	45.69	8.17	53.86	68.20	-14.34
5700.00	Peak	51.82	8.28	60.10	105.20	-45.10
5720.00	Peak	64.11	8.30	72.41	110.80	-38.39
5725.00	Peak	63.59	8.31	71.90	122.20	-50.30

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



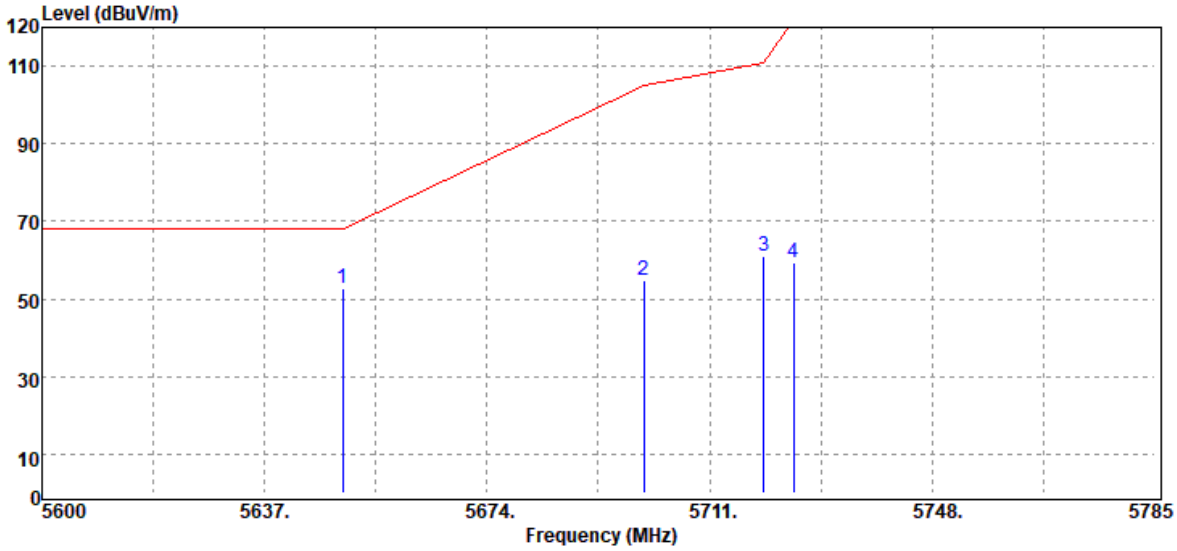
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	46.52	8.62	55.14	122.20	-67.06
5855.00	Peak	44.47	8.64	53.11	110.80	-57.69
5875.00	Peak	44.54	8.71	53.25	105.20	-51.95
5925.00	Peak	44.44	8.82	53.26	68.20	-14.94

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



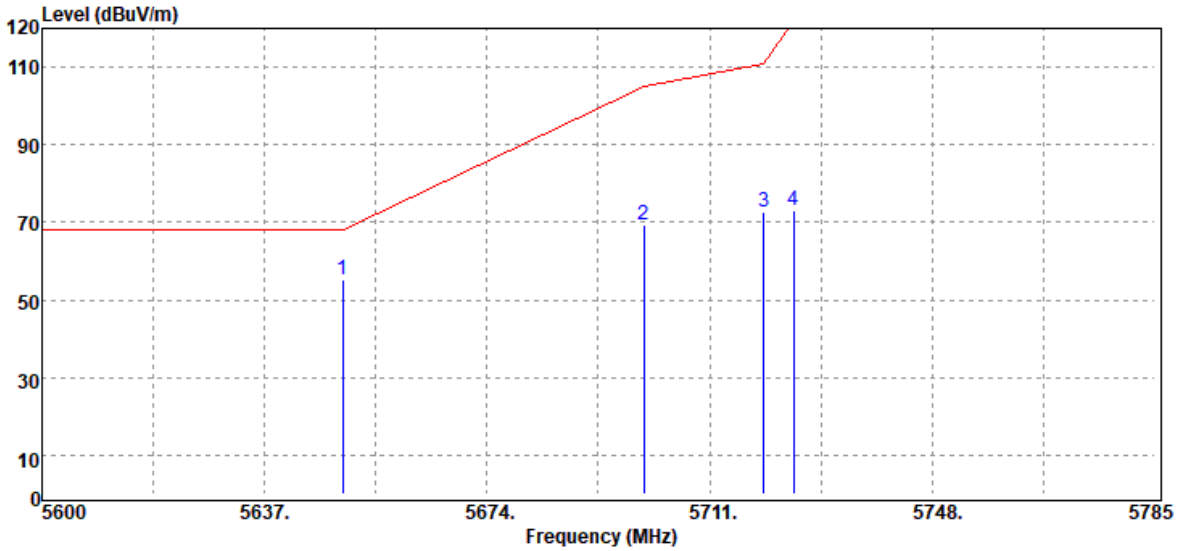
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	58.24	8.62	66.86	122.20	-55.34
5855.00	Peak	54.71	8.64	63.35	110.80	-47.45
5875.00	Peak	50.07	8.71	58.78	105.20	-46.42
5925.00	Peak	44.36	8.82	53.18	68.20	-15.02

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



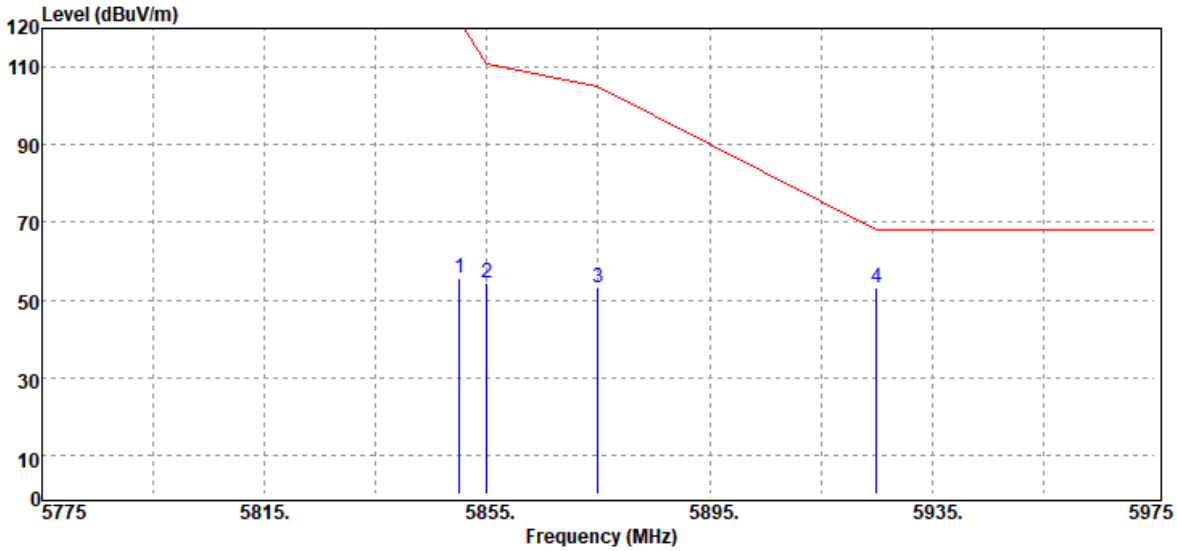
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	44.56	8.17	52.73	68.20	-15.47
5700.00	Peak	46.64	8.28	54.92	105.20	-50.28
5720.00	Peak	52.75	8.30	61.05	110.80	-49.75
5725.00	Peak	51.05	8.31	59.36	122.20	-62.84

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



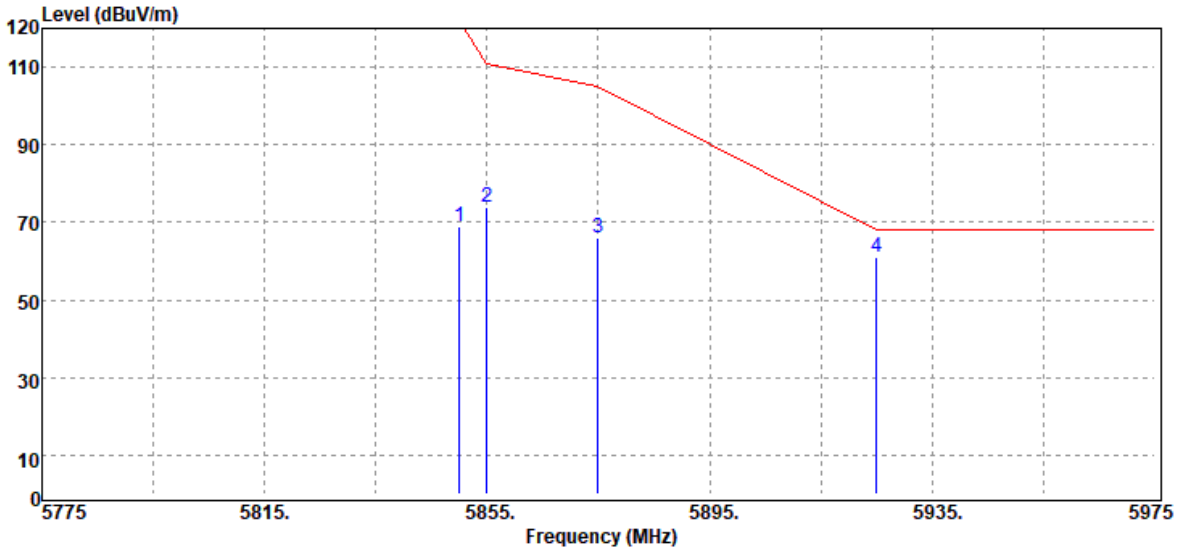
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	47.17	8.17	55.34	68.20	-12.86
5700.00	Peak	61.09	8.28	69.37	105.20	-35.83
5720.00	Peak	64.21	8.30	72.51	110.80	-38.29
5725.00	Peak	64.59	8.31	72.90	122.20	-49.30

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
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	47.16	8.62	55.78	122.20	-66.42
5855.00	Peak	45.67	8.64	54.31	110.80	-56.49
5875.00	Peak	44.34	8.71	53.05	105.20	-52.15
5925.00	Peak	44.28	8.82	53.10	68.20	-15.10

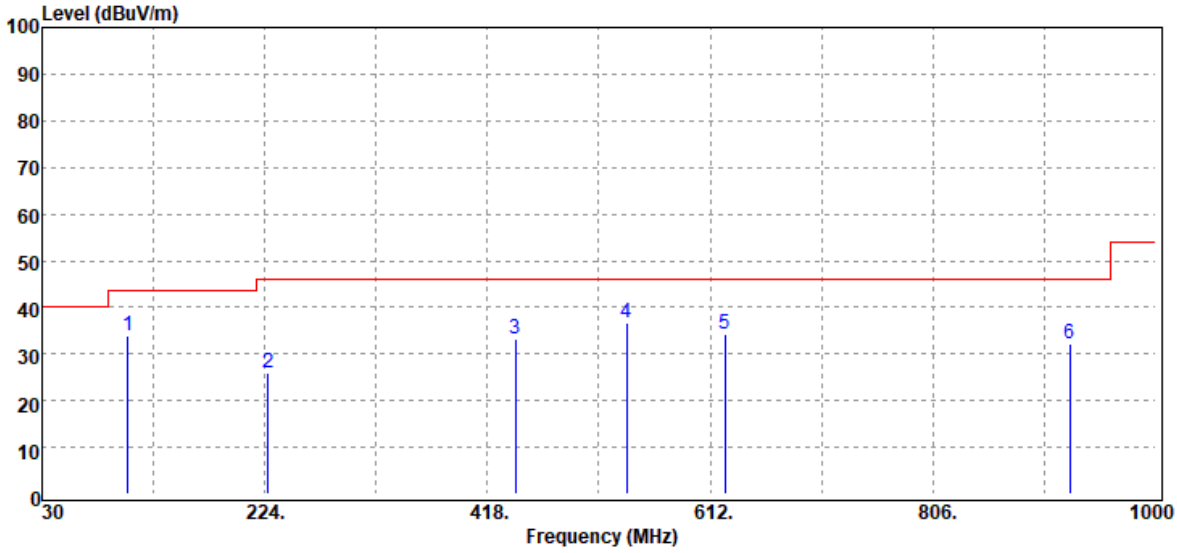
Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Band Edge	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



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	60.26	8.62	68.88	122.20	-53.32
5855.00	Peak	65.09	8.64	73.73	110.80	-37.07
5875.00	Peak	57.45	8.71	66.16	105.20	-39.04
5925.00	Peak	52.25	8.82	61.07	68.20	-7.13

Below 1G Test Data

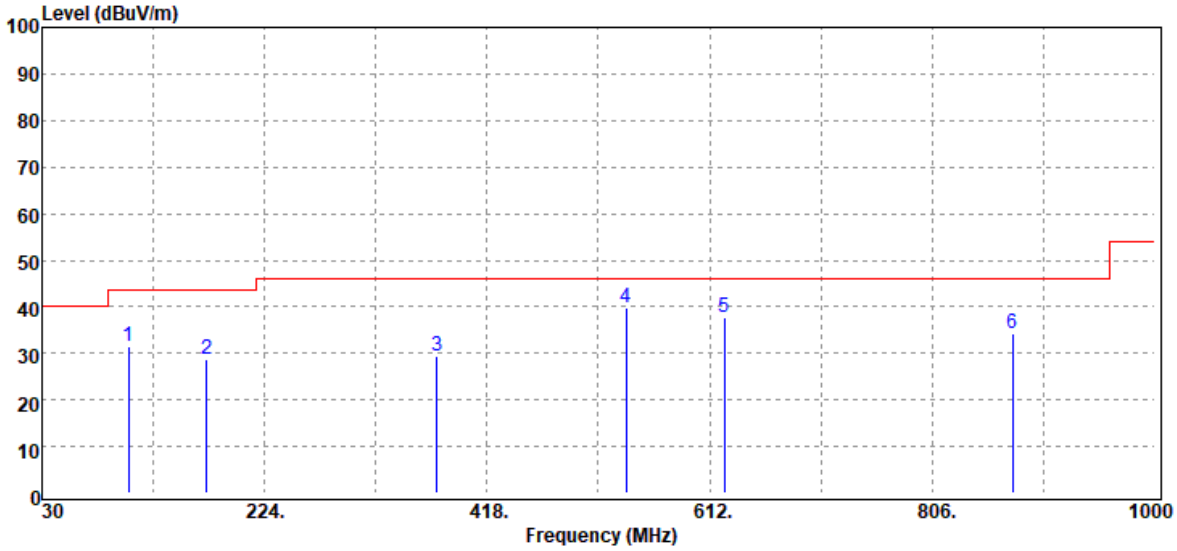
Test Mode	Mode 1	Temp/Hum	24.5(℃)/ 40%RH
Test Item	30MHz-1GHz	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
104.69	Peak	45.16	-11.41	33.75	43.50	-9.75
226.91	Peak	37.26	-11.38	25.88	46.00	-20.12
442.25	Peak	37.63	-4.53	33.10	46.00	-12.90
539.25	Peak	39.03	-2.43	36.60	46.00	-9.40
624.61	Peak	35.32	-1.02	34.30	46.00	-11.70
925.31	Peak	28.89	3.38	32.27	46.00	-13.73

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.

Test Mode	Mode 1	Temp/Hum	24.5(℃)/ 40%RH
Test Item	30MHz-1GHz	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



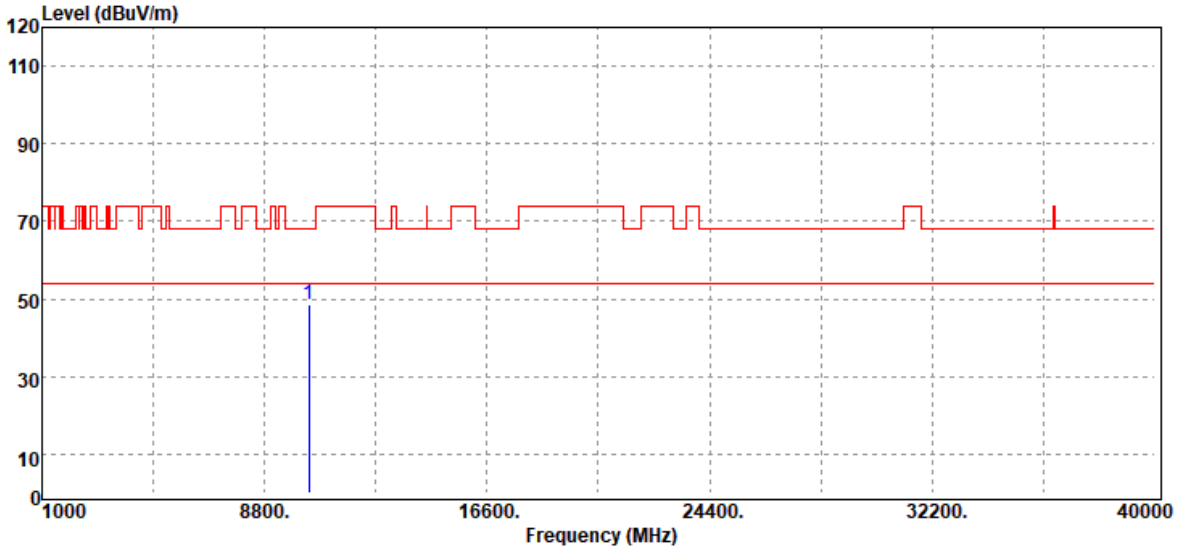
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
105.66	Peak	42.60	-11.23	31.37	43.50	-12.13
173.56	Peak	39.88	-11.10	28.78	43.50	-14.72
374.35	Peak	36.18	-6.60	29.58	46.00	-16.42
539.25	Peak	42.20	-2.43	39.77	46.00	-6.23
624.61	Peak	38.74	-1.02	37.72	46.00	-8.28
875.84	Peak	31.39	2.70	34.09	46.00	-11.91

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

Above 1G

Test Data for UNII-1

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

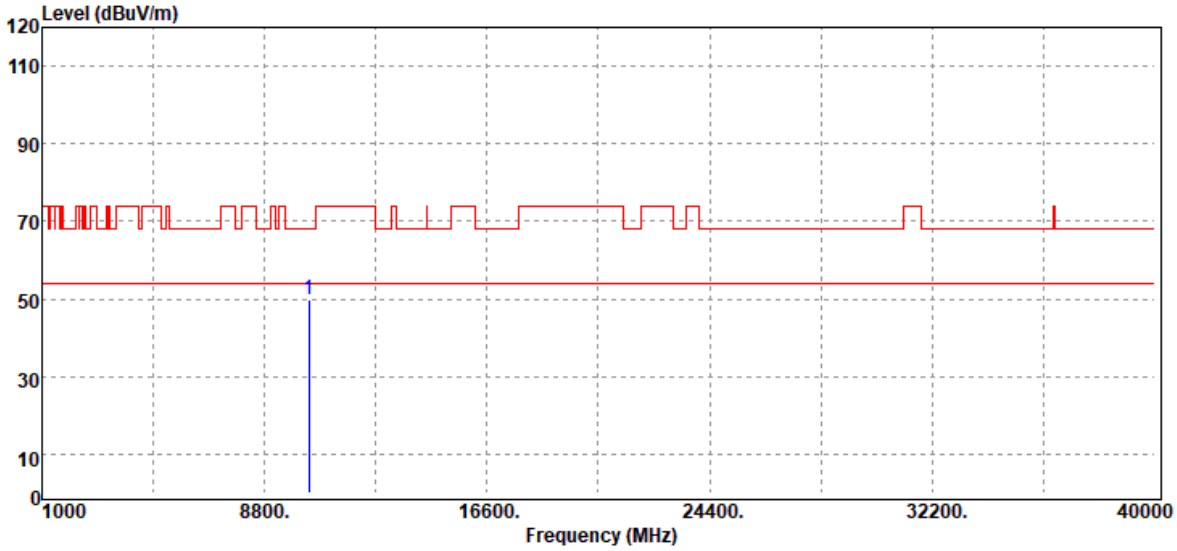


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	34.81	13.83	48.64	68.20	-19.56
N/A						

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.

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

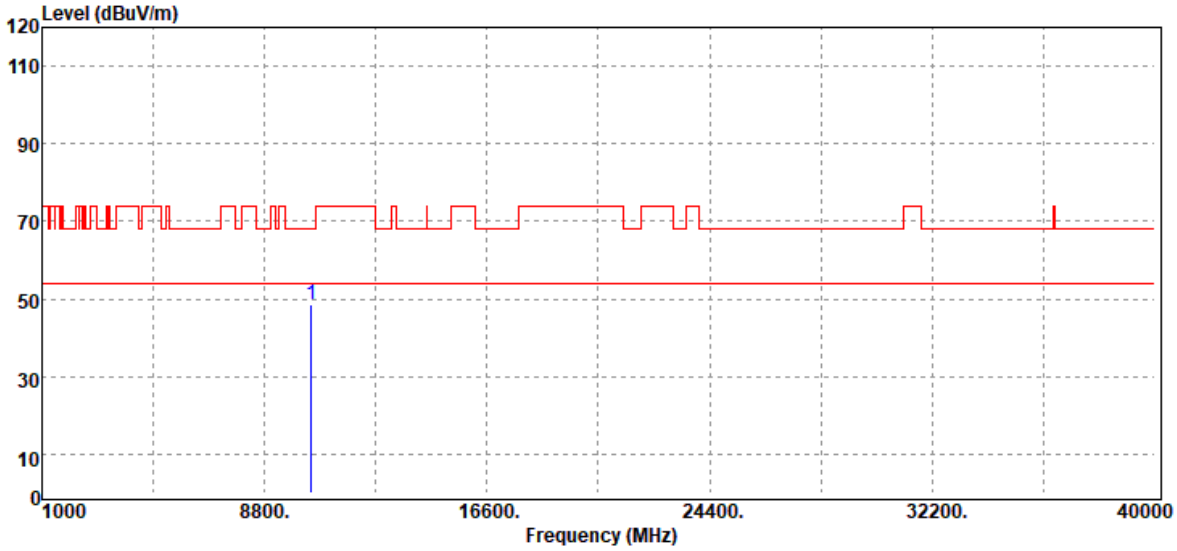


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	35.93	13.83	49.76	68.20	-18.44
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5220 MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonics	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

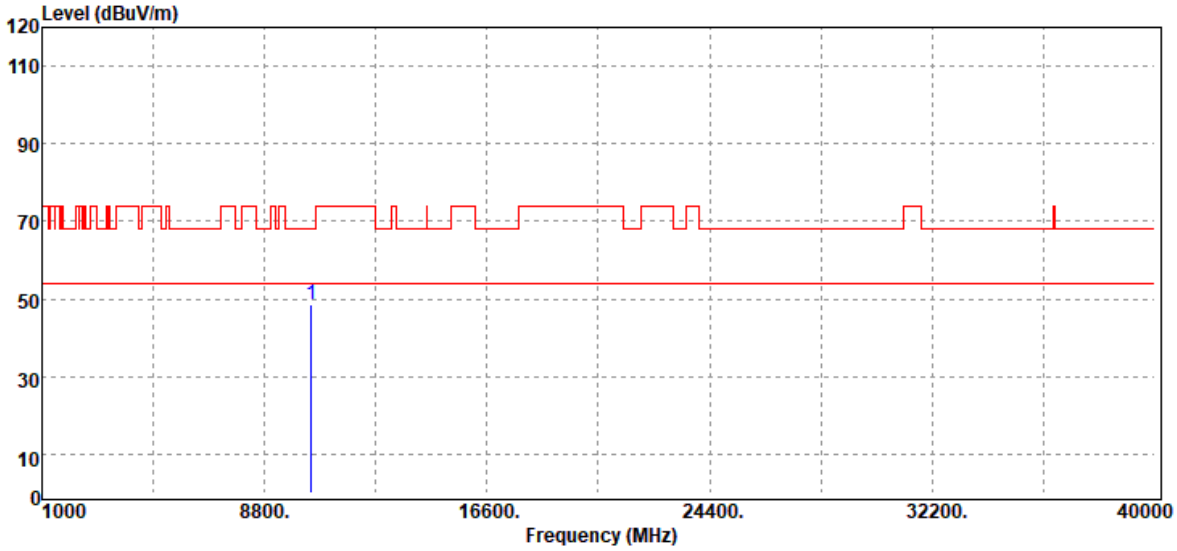


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	34.60	13.98	48.58	68.20	-19.62
N/A						

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.

Test Mode	IEEE 802.11a / 5220 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

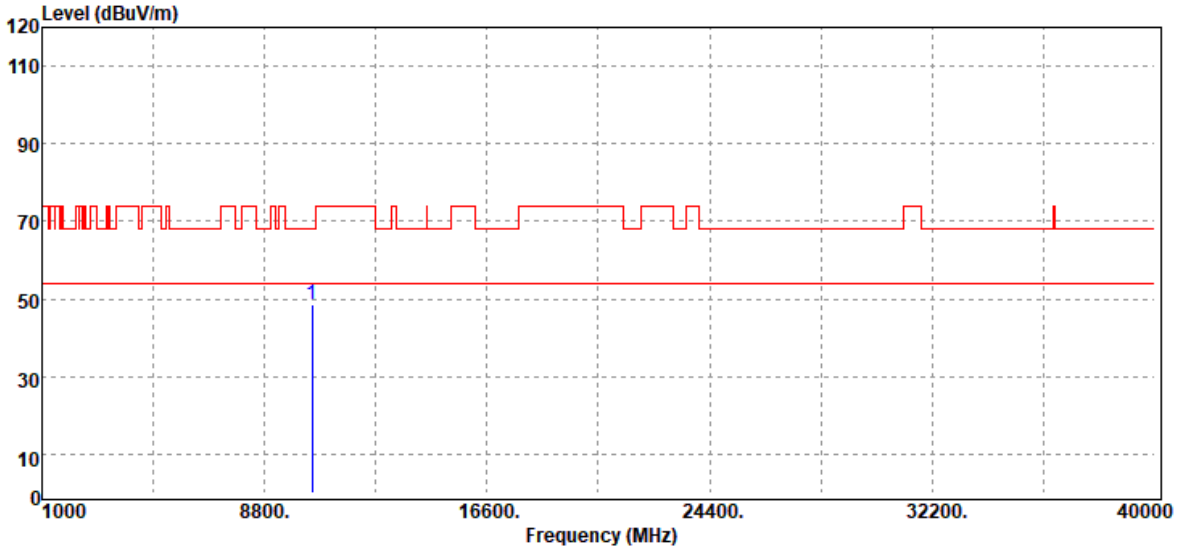


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	34.61	13.98	48.59	68.20	-19.61
N/A						

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.

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

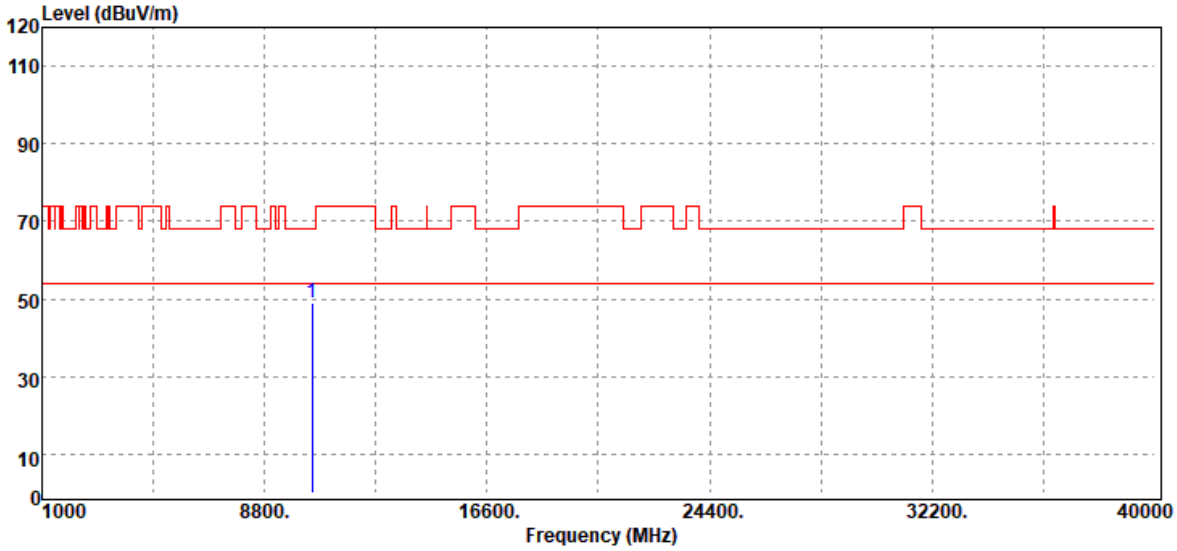


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	34.33	14.09	48.42	68.20	-19.78
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

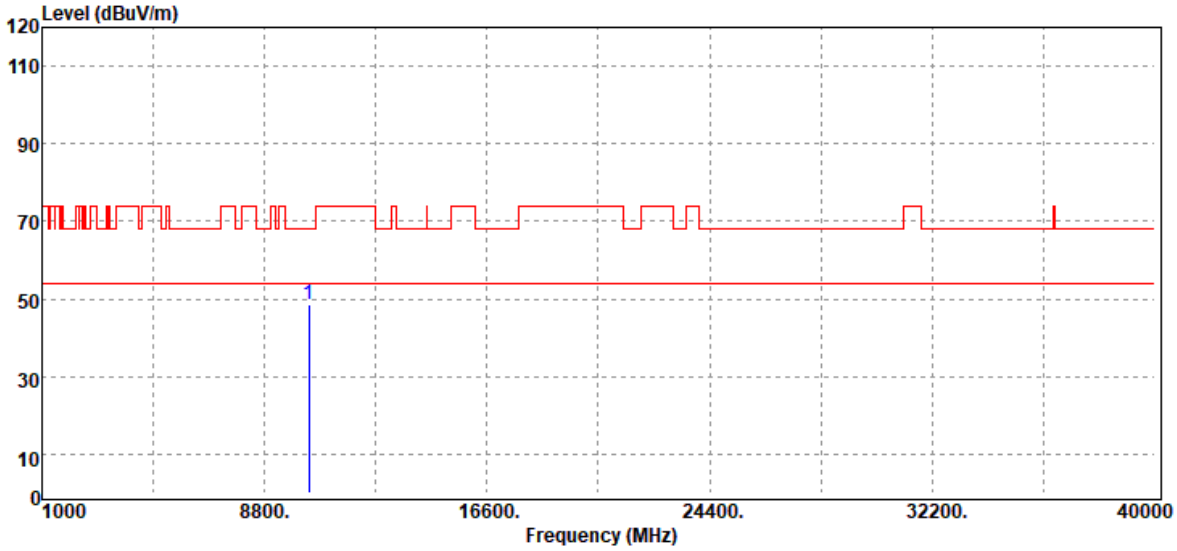


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	35.03	14.09	49.12	68.20	-19.08
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5180MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

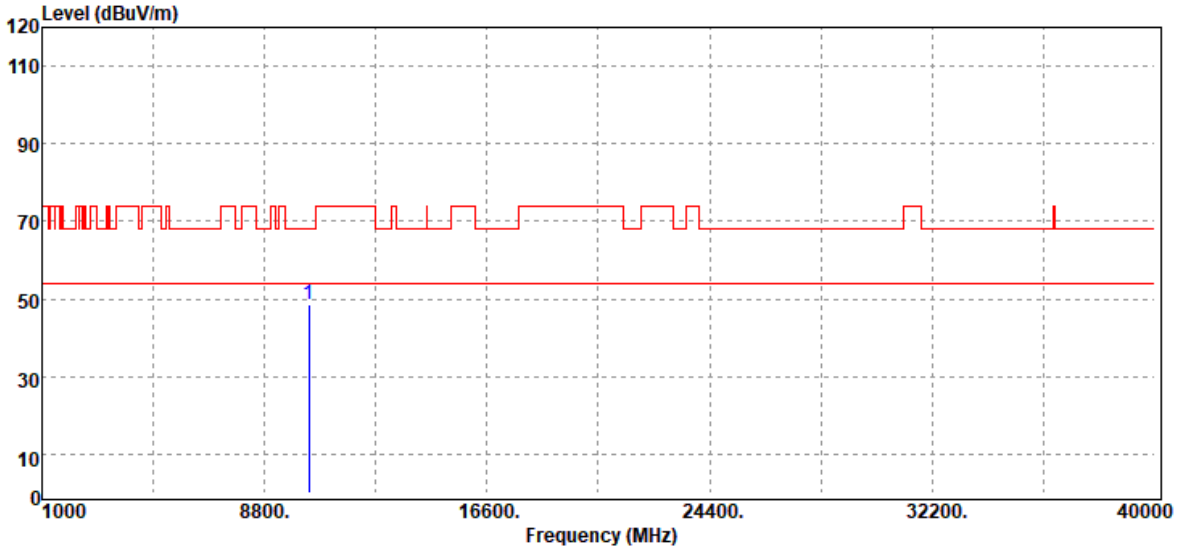


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	34.91	13.83	48.74	68.20	-19.46
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz/ 5180MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

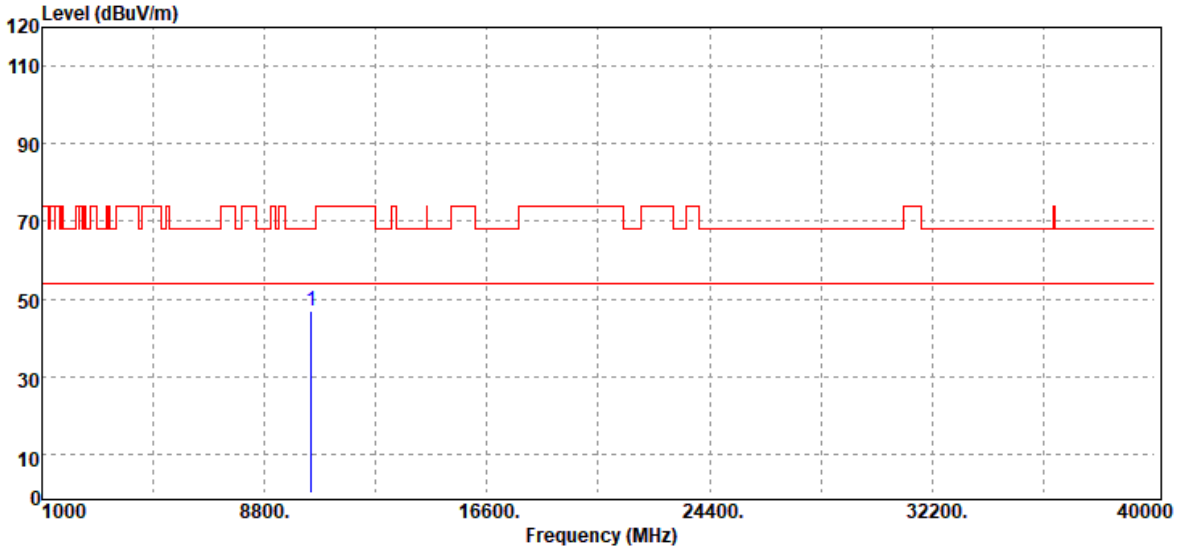


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	34.73	13.83	48.56	68.20	-19.64
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5220MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

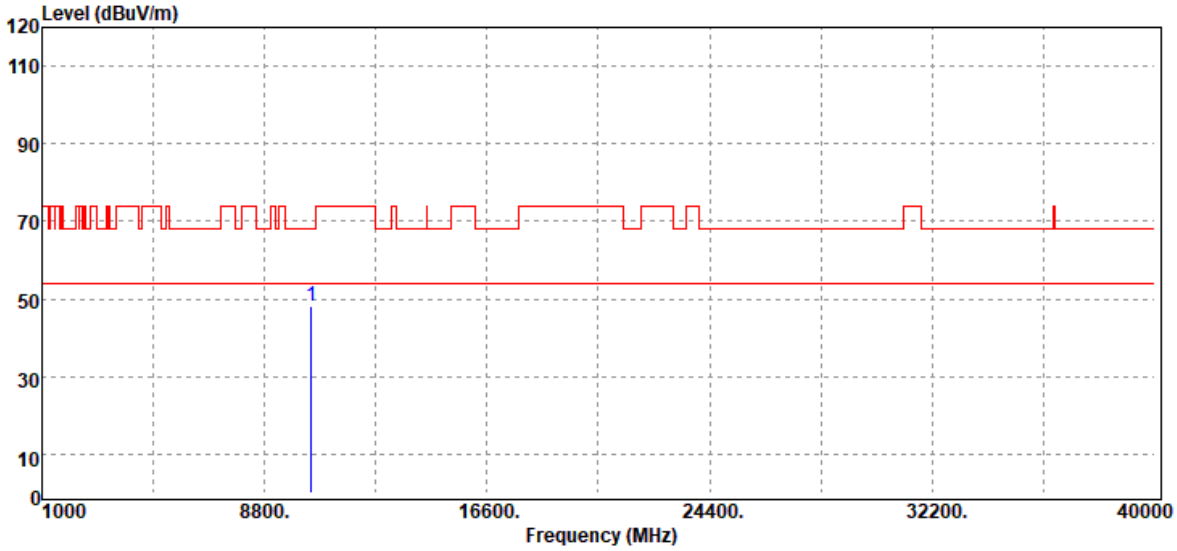


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	32.92	13.98	46.90	68.20	-21.30
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5220MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

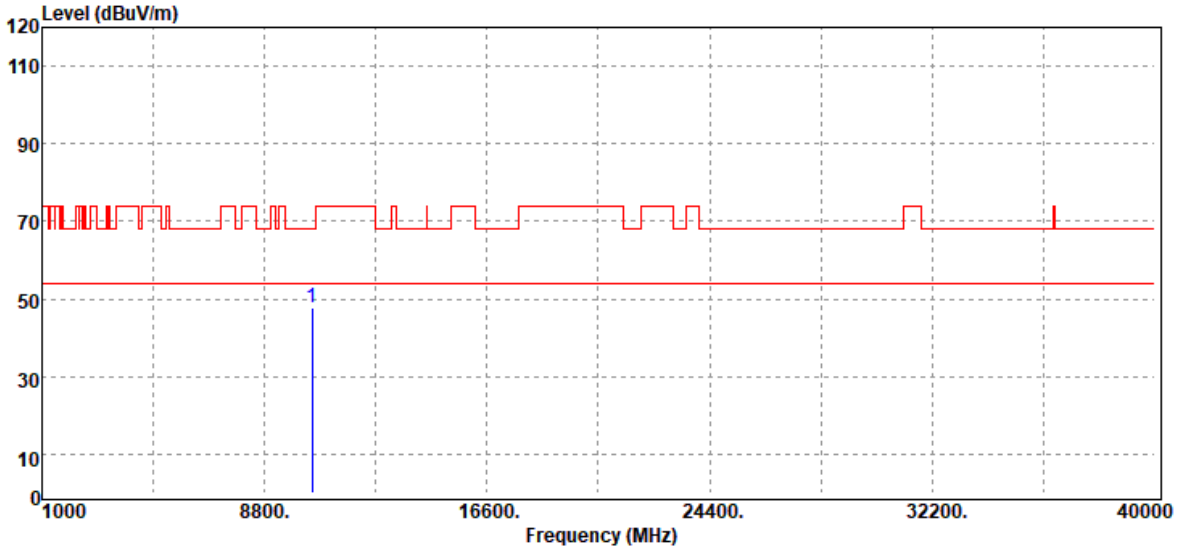


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	34.20	13.98	48.18	68.20	-20.02
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5240MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

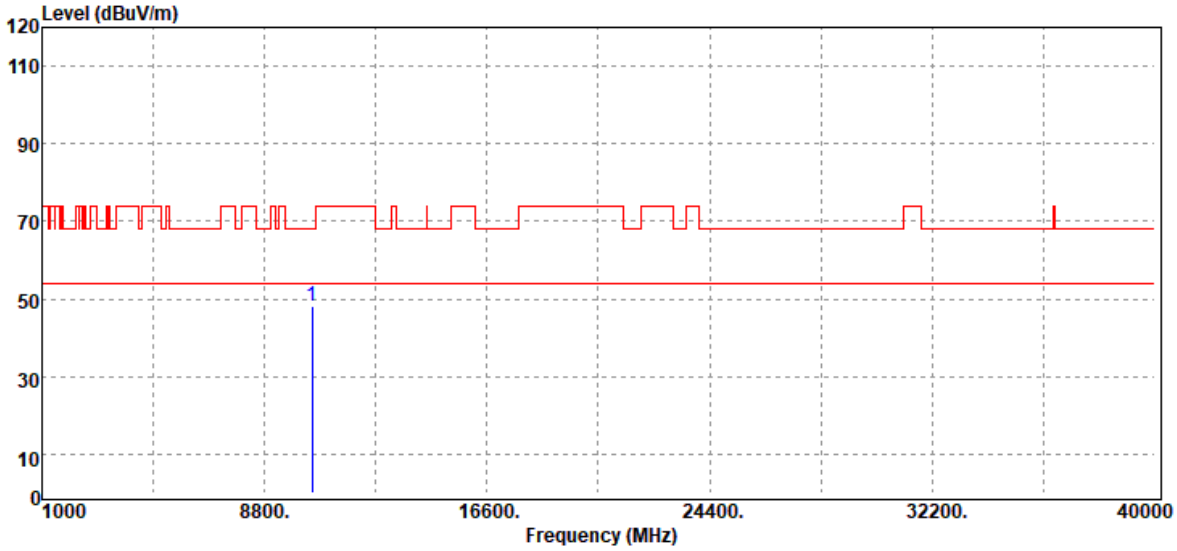


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	33.75	14.09	47.84	68.20	-20.36
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5240MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

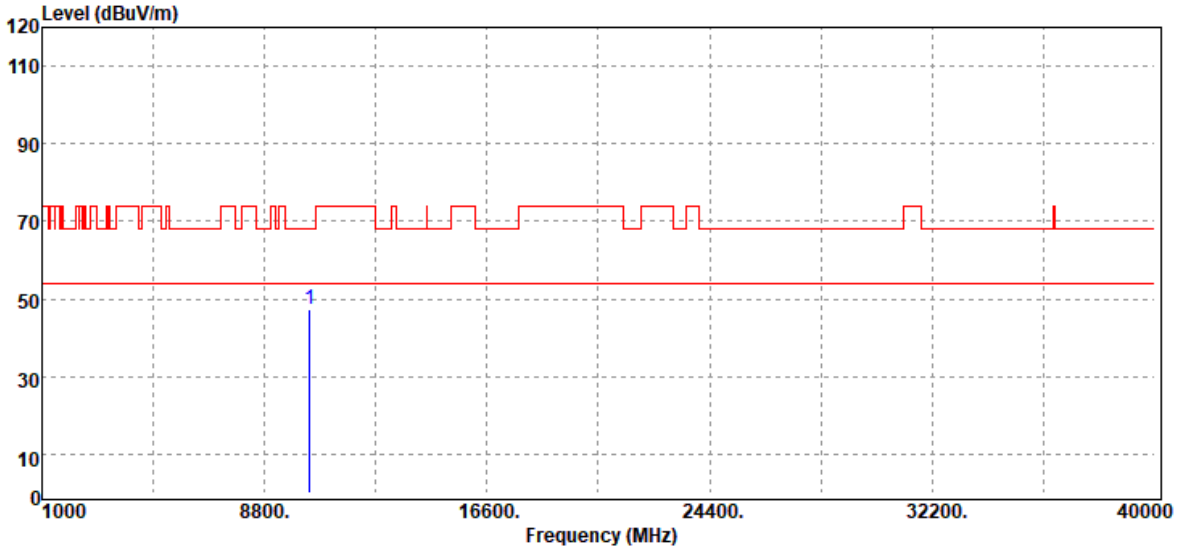


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	33.93	14.09	48.02	68.20	-20.18
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

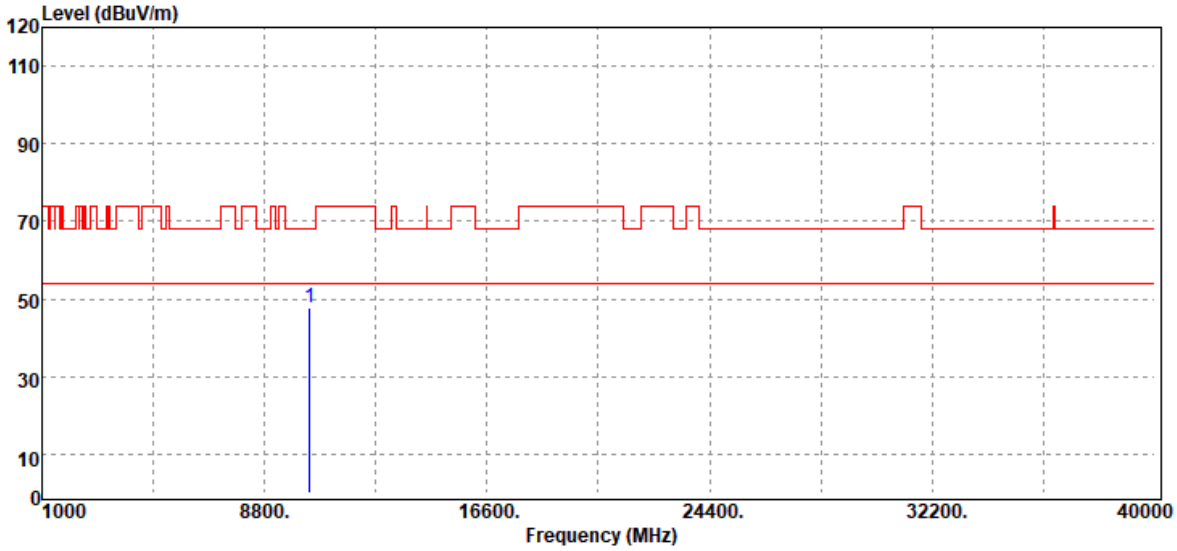


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10380.00	Peak	33.48	13.84	47.32	68.20	-20.88
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

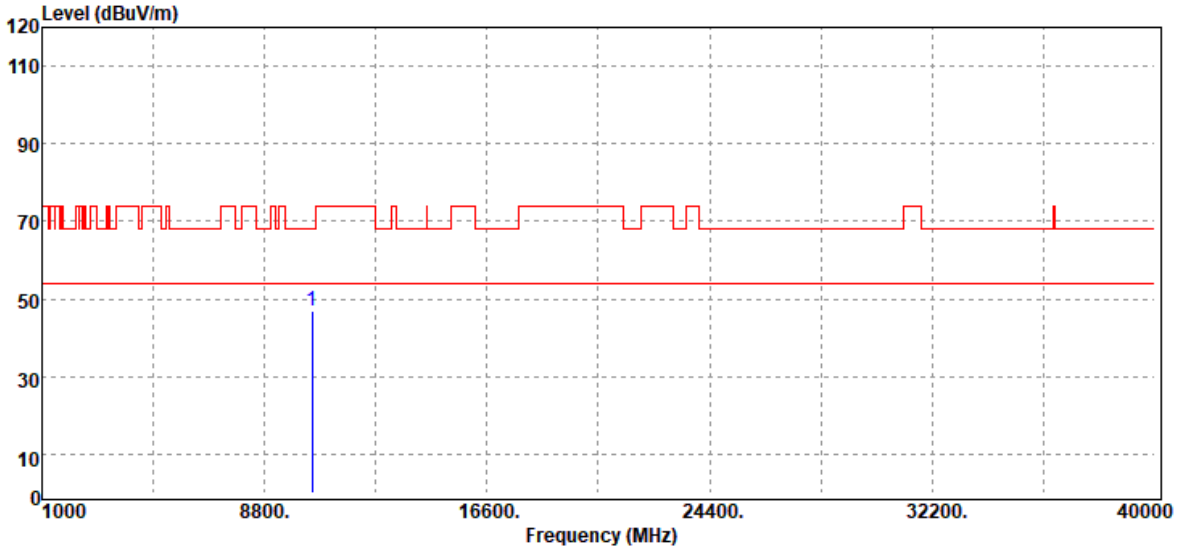


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10380.00	Peak	33.81	13.84	47.65	68.20	-20.55
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

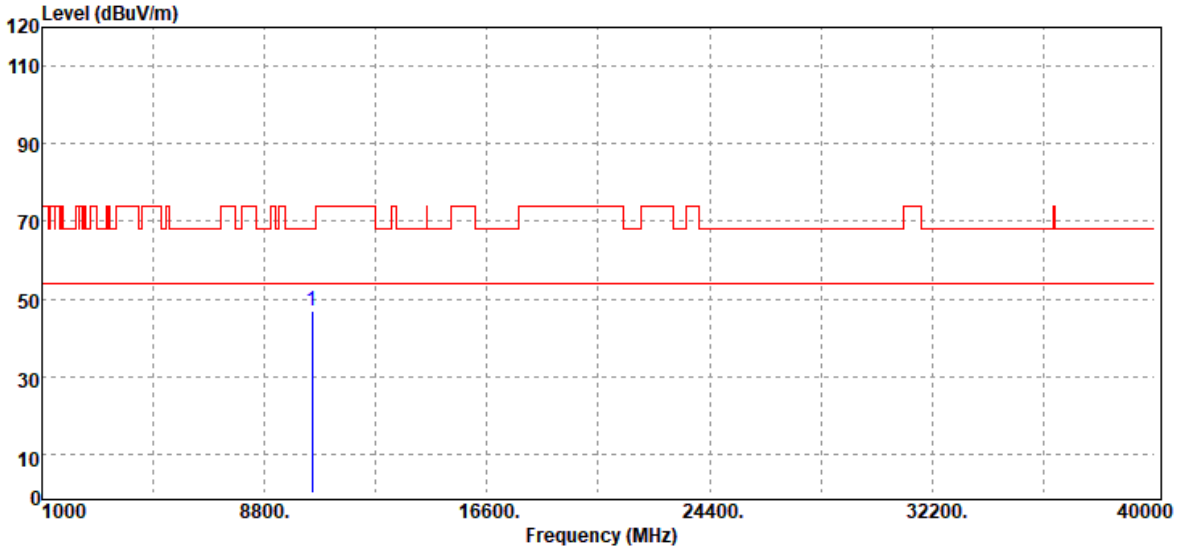


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10460.00	Peak	32.89	14.03	46.92	68.20	-21.28
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

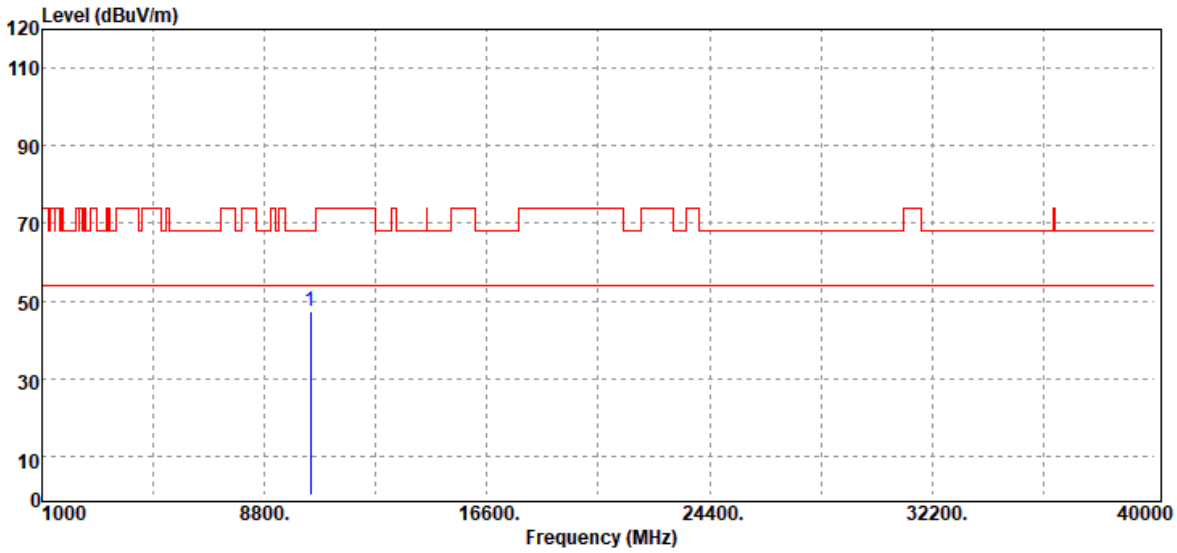


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10460.00	Peak	33.07	14.03	47.10	68.20	-21.10
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

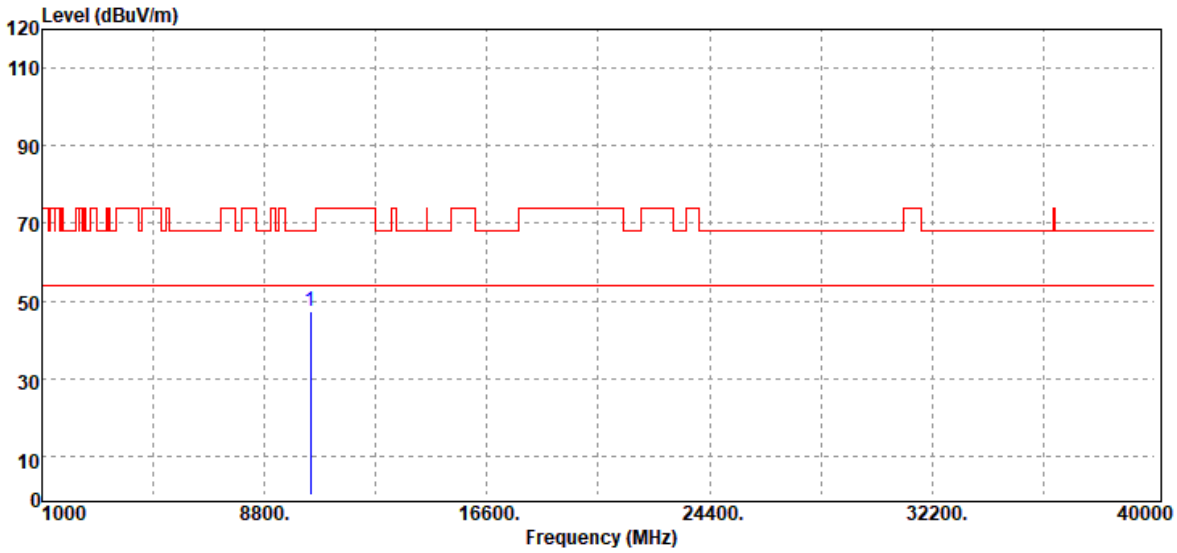


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10420.00	Peak	33.33	13.91	47.24	68.20	-20.96
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



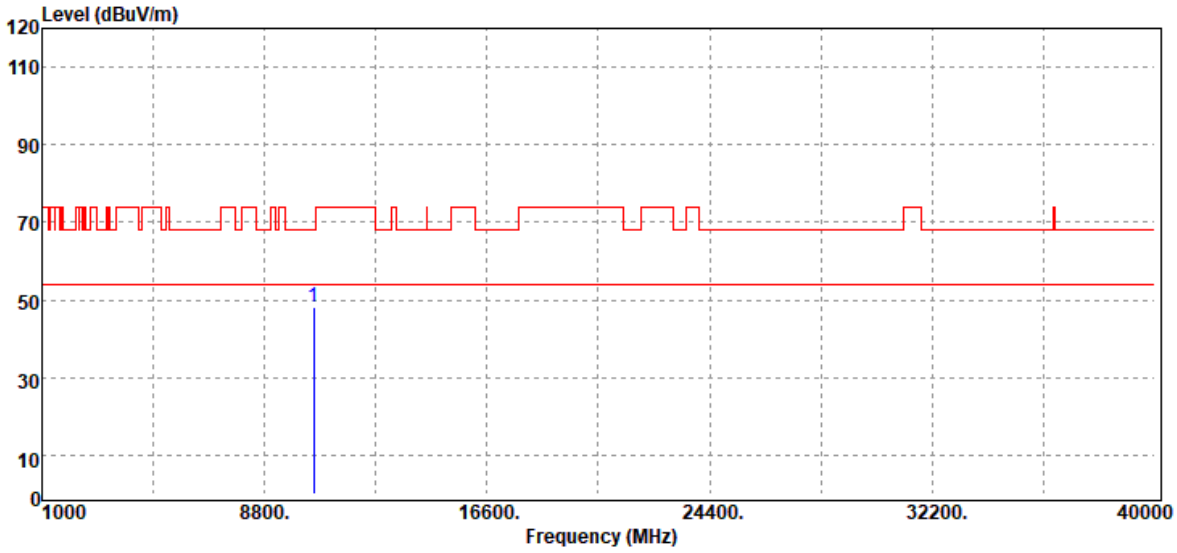
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10420.00	Peak	33.35	13.91	47.26	68.20	-20.94
N/A						

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.

Test Data for UNII-2a

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

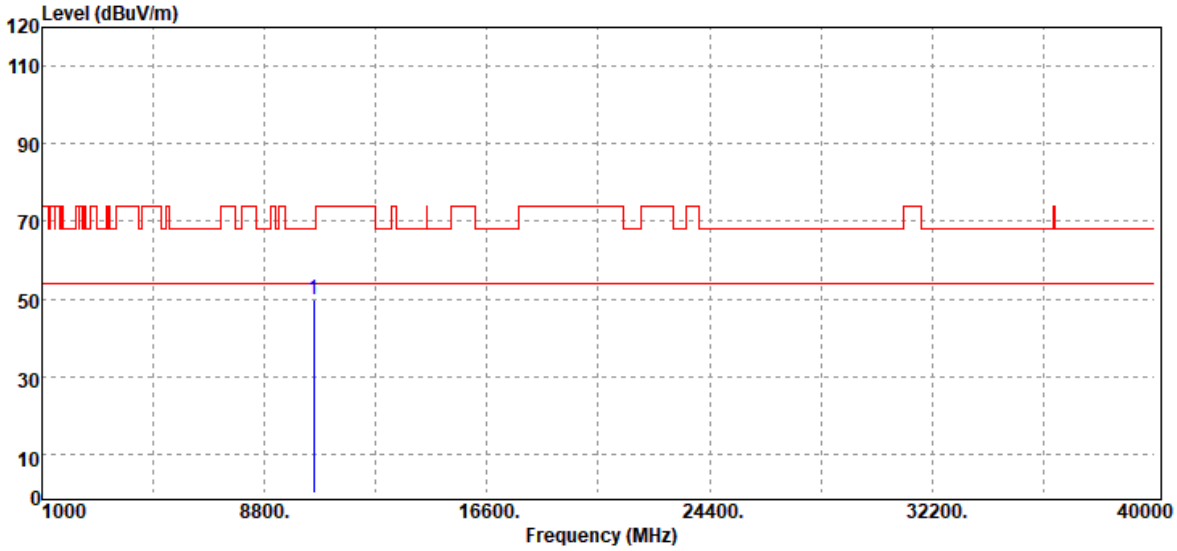


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	34.15	14.11	48.26	68.20	-19.94
N/A						

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.

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

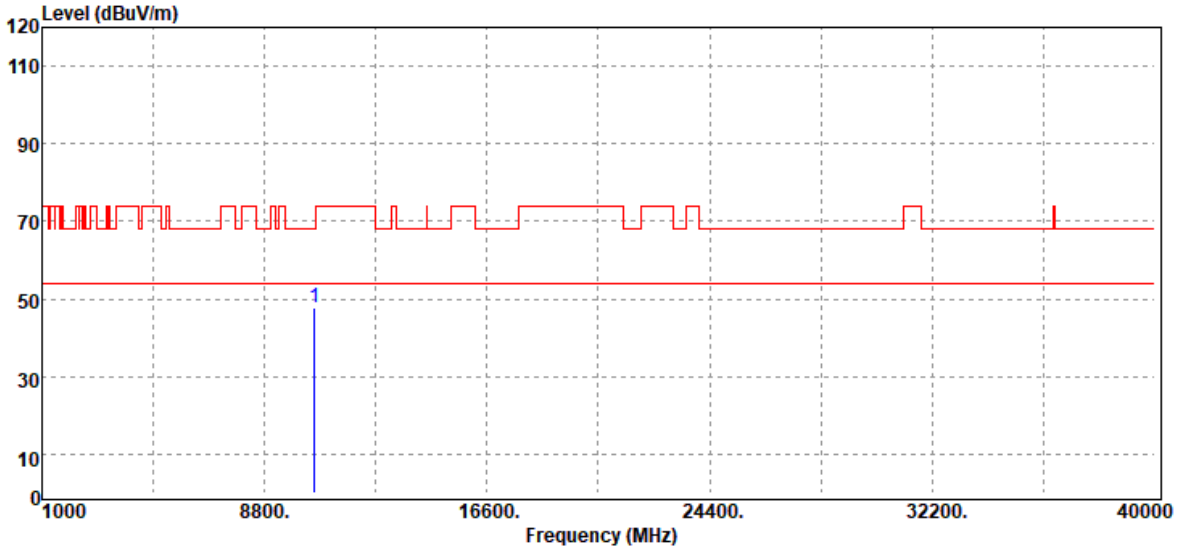


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	35.65	14.11	49.76	68.20	-18.44
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5280 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

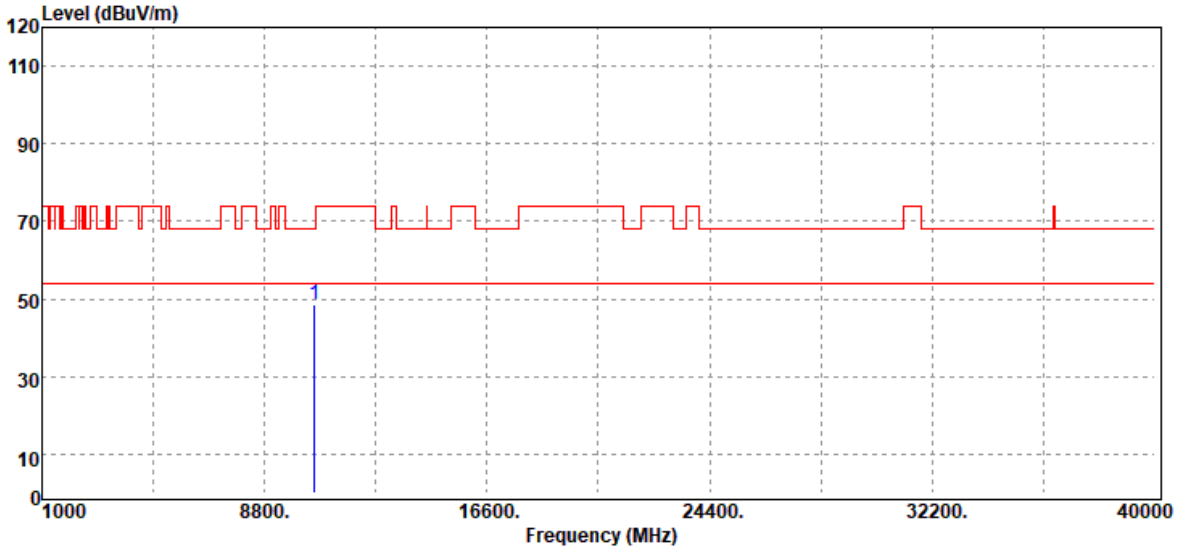


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	33.55	14.09	47.64	68.20	-20.56
N/A						

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.

Test Mode	IEEE 802.11a / 5280 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

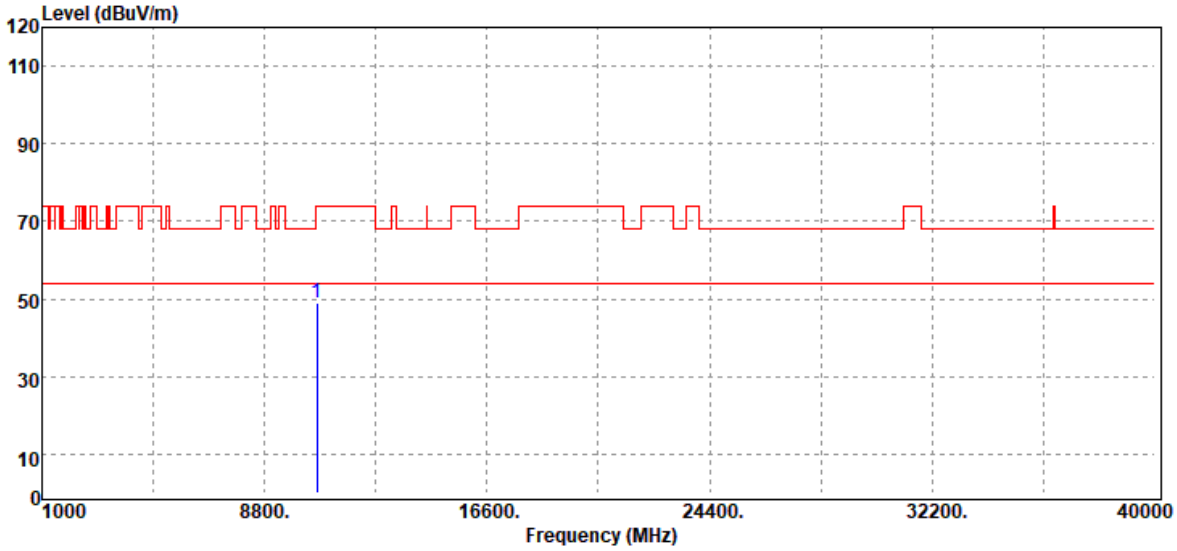


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	34.43	14.09	48.52	68.20	-19.68
N/A						

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.

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

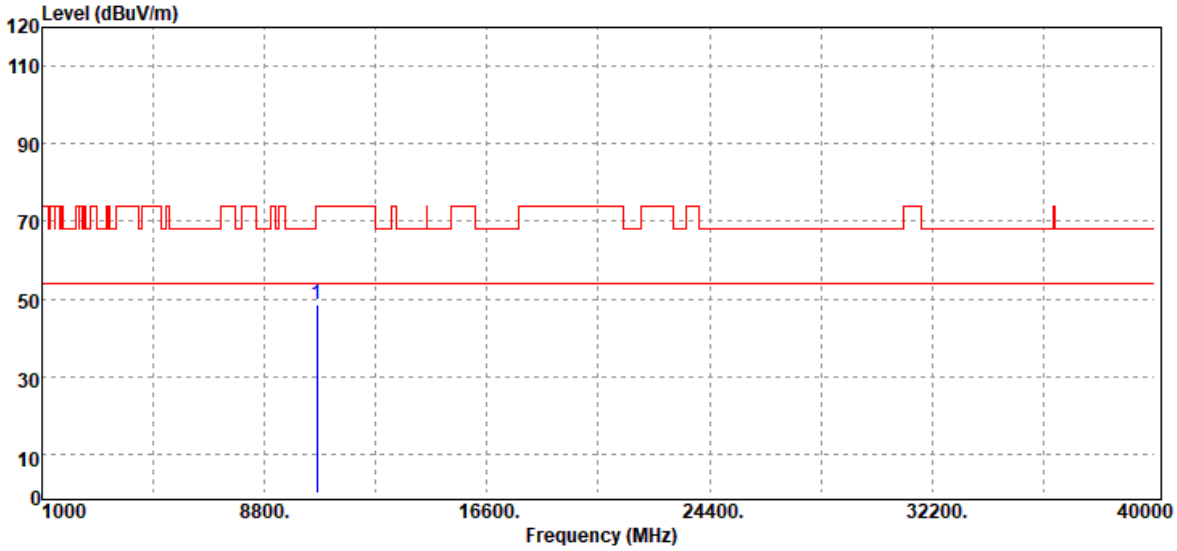


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	34.33	14.62	48.95	74.00	-25.05
N/A						

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.

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

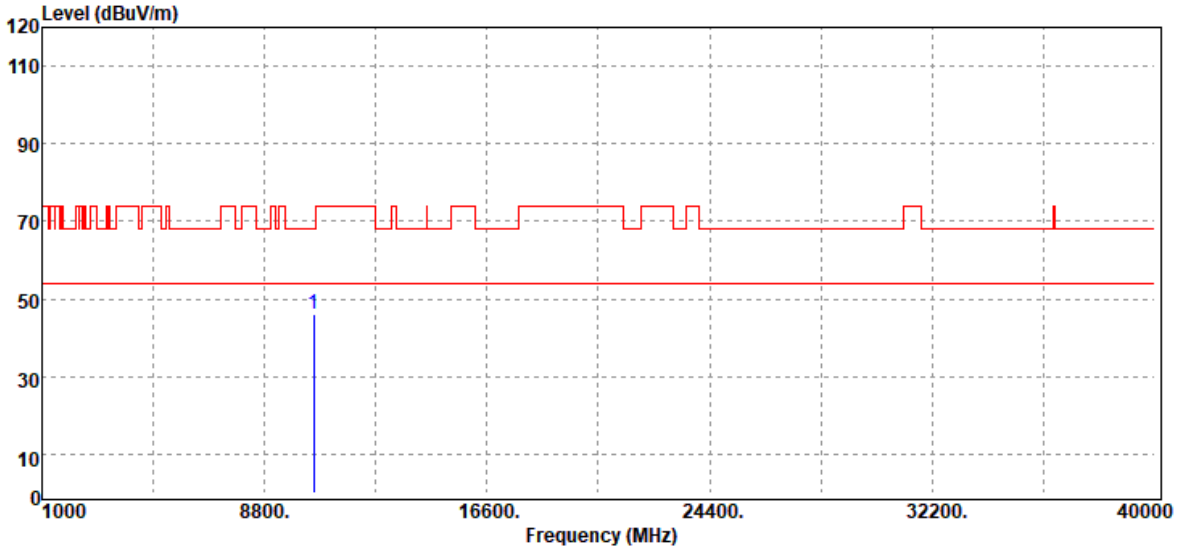


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	34.01	14.62	48.63	74.00	-25.37
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

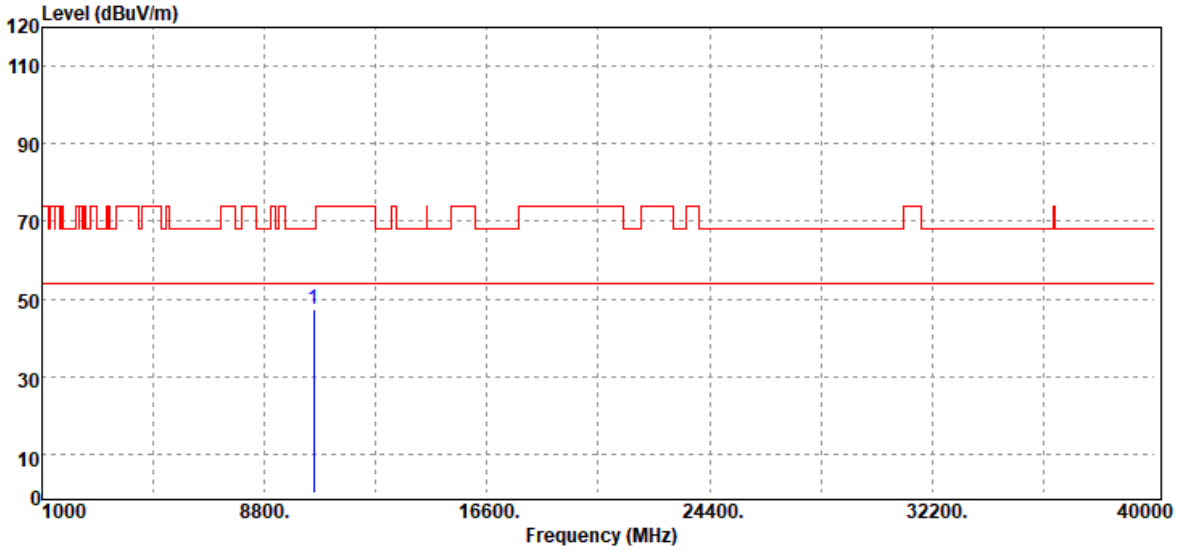


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	32.05	14.11	46.16	68.20	-22.04
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

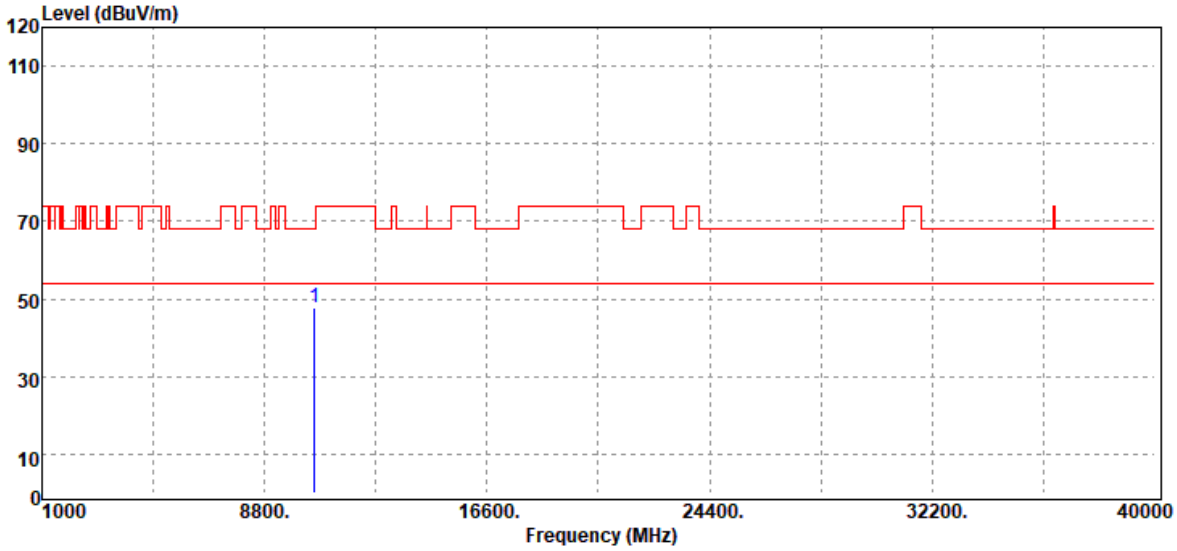


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	33.34	14.11	47.45	68.20	-20.75
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5280 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

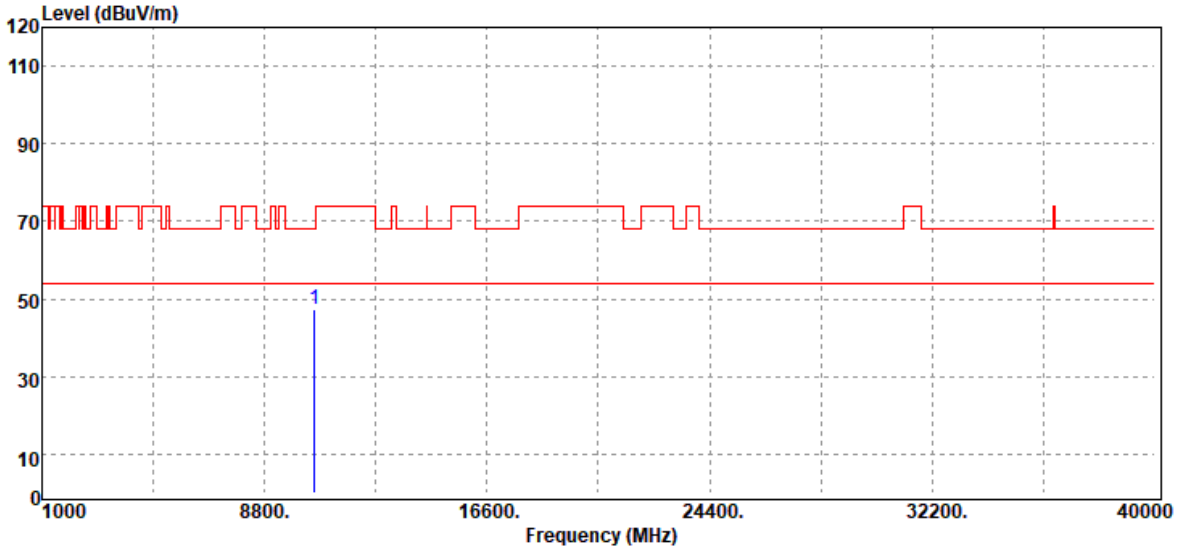


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	33.60	14.09	47.69	68.20	-20.51
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5280 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

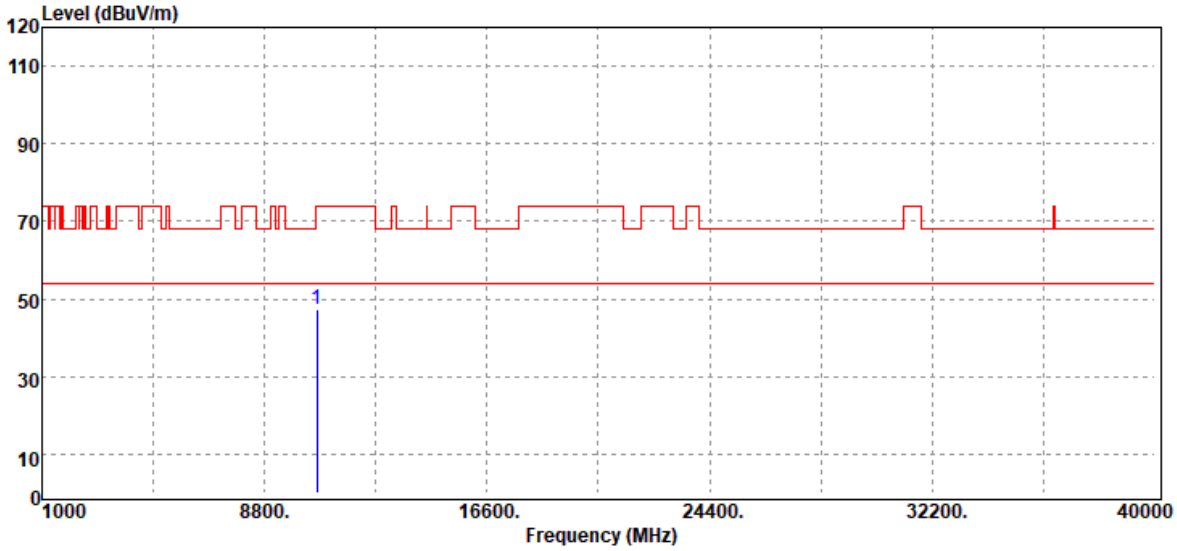


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10560.00	Peak	33.13	14.09	47.22	68.20	-20.98
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

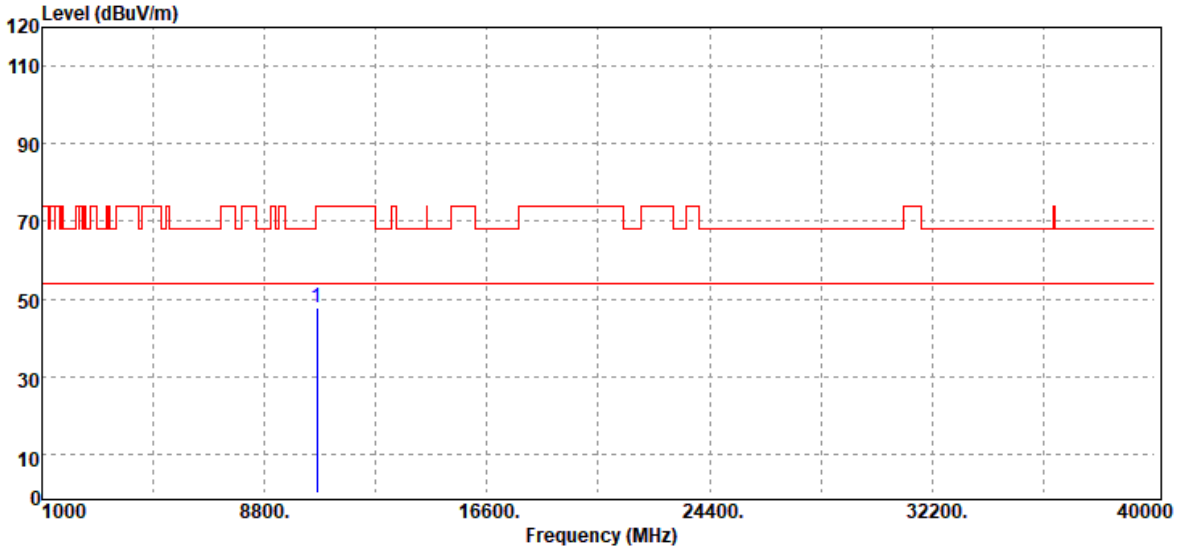


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	32.56	14.62	47.18	74.00	-26.82
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

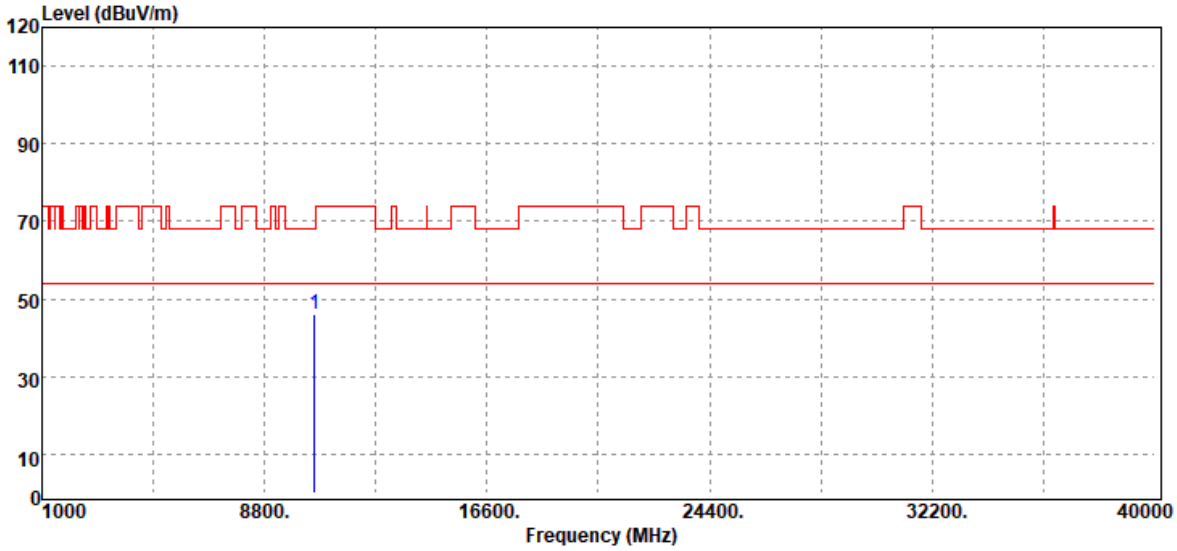


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Peak	32.98	14.62	47.60	74.00	-26.40
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

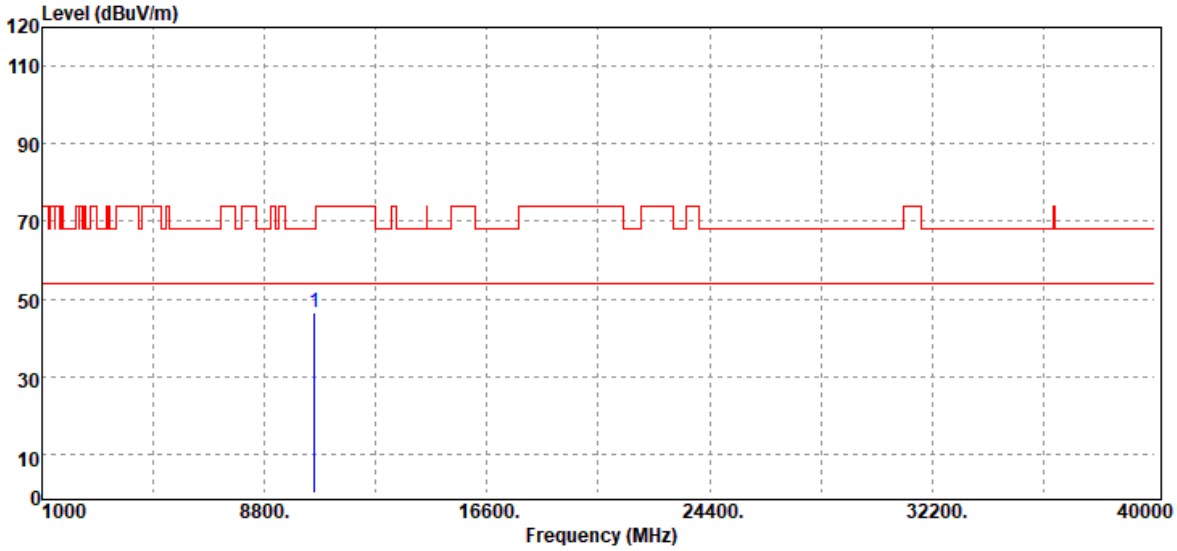


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10540.00	Peak	32.17	14.09	46.26	68.20	-21.94
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

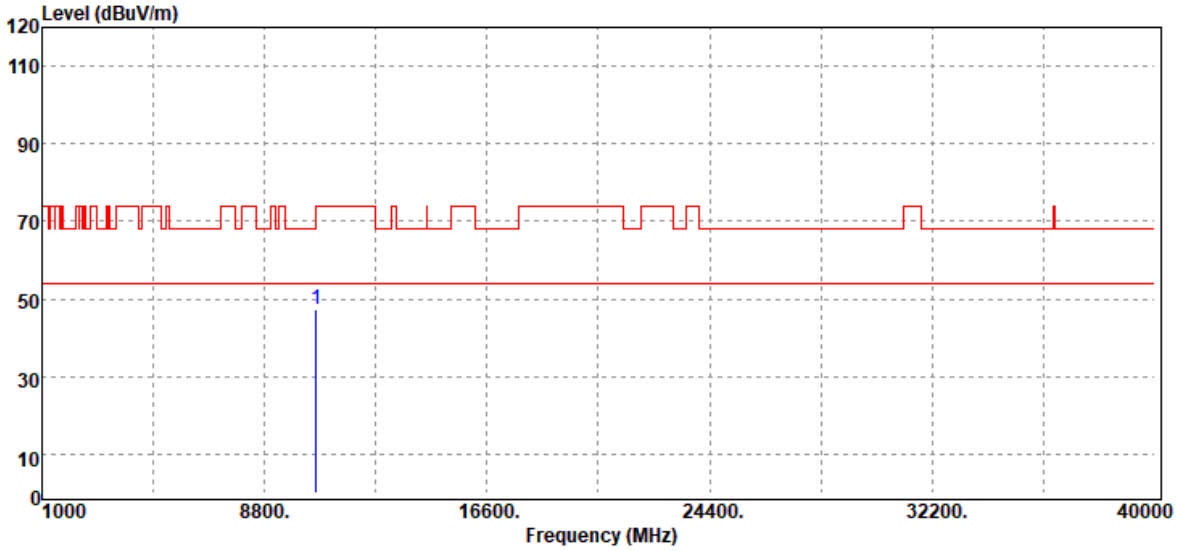


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10540.00	Peak	32.58	14.09	46.67	68.20	-21.53
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

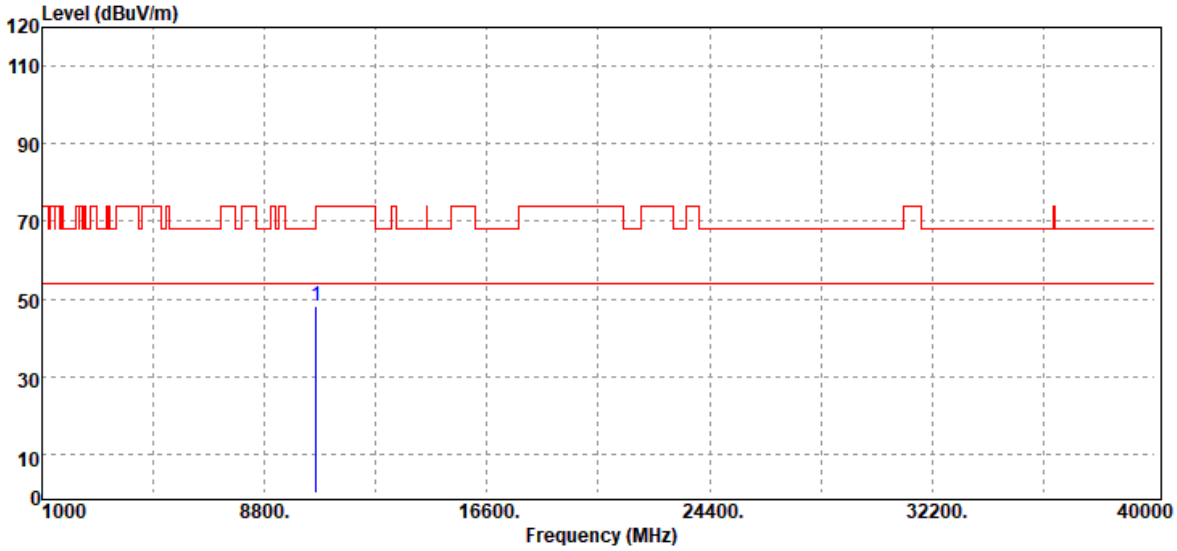


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10620.00	Peak	33.03	14.41	47.44	74.00	-26.56
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

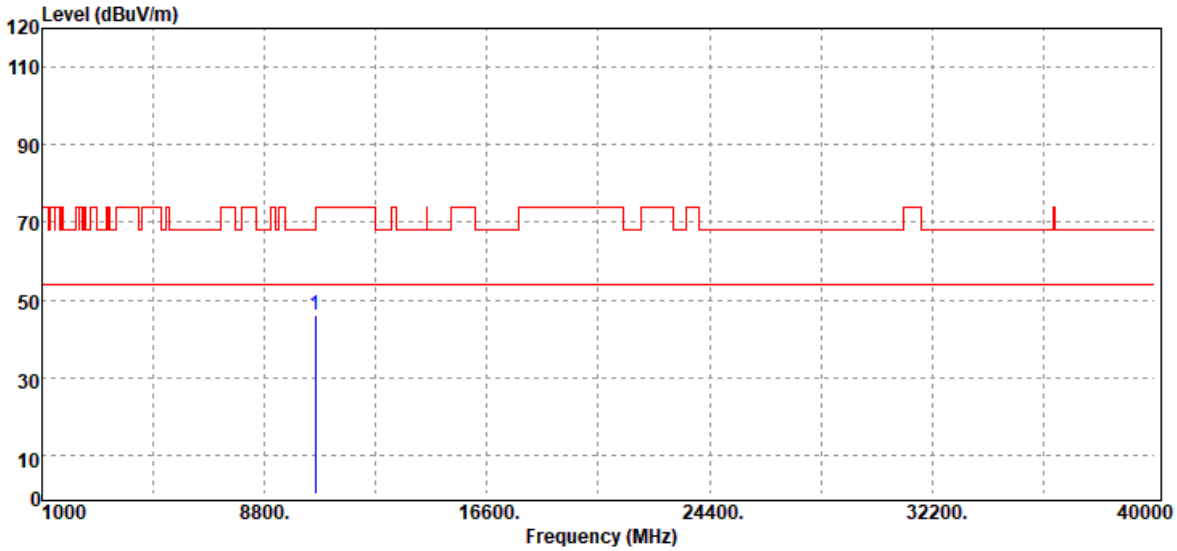


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10620.00	Peak	33.81	14.41	48.22	74.00	-25.78
N/A						

Remark:

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

Test Mode	IEEE 802.11ac VHT80 / 5290 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

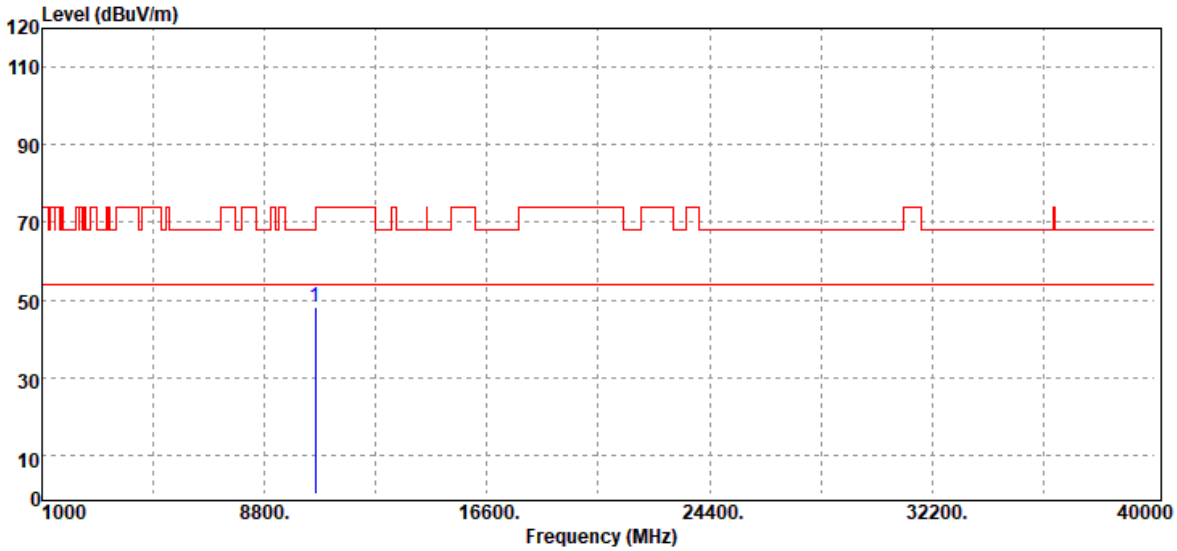


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10580.00	Peak	32.04	14.15	46.19	68.20	-22.01
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5290 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



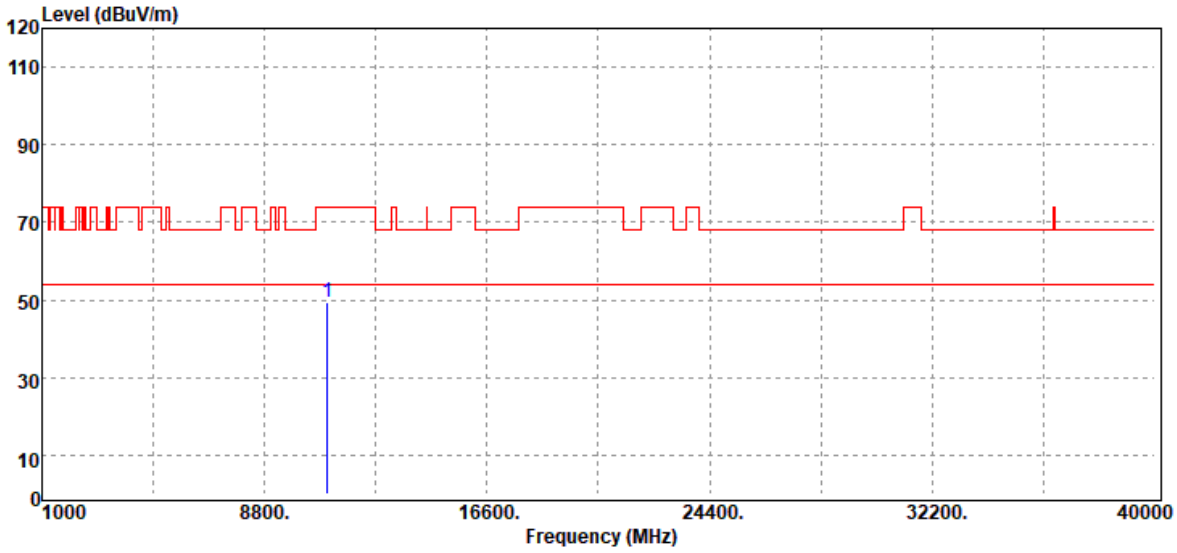
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10580.00	Peak	33.94	14.15	48.09	68.20	-20.11
N/A						

Remark:

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

Test Data for UNII-2c

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

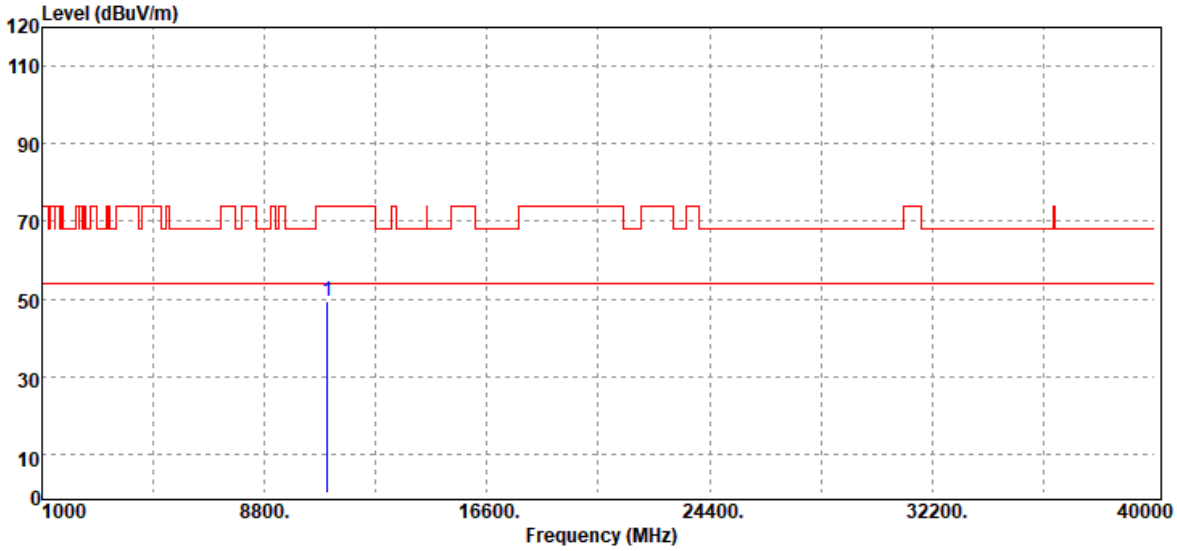


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	34.37	15.00	49.37	74.00	-24.63
N/A						

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.

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

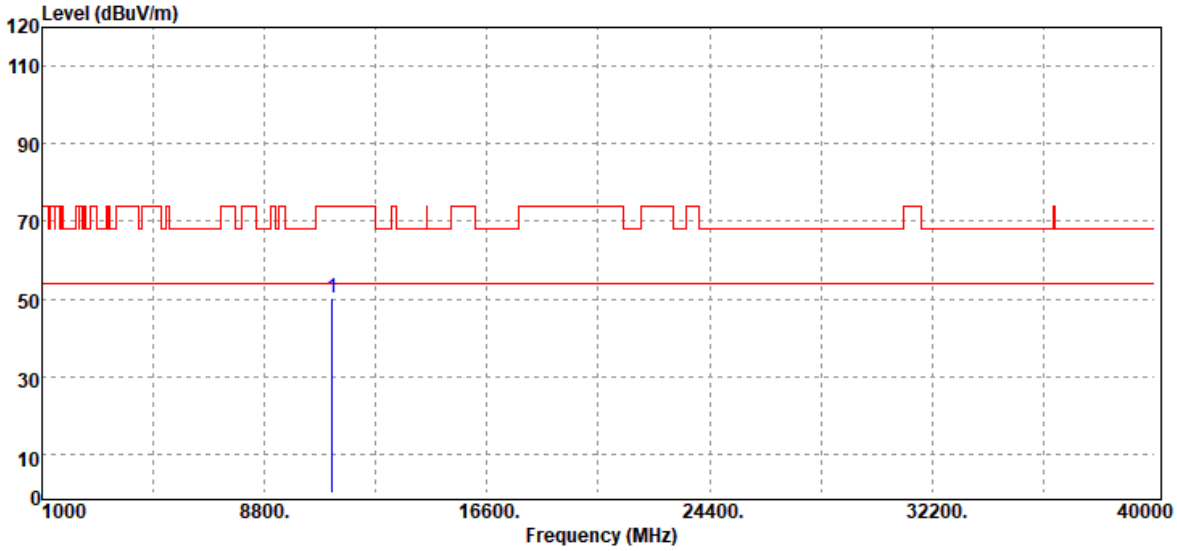


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	34.46	15.00	49.46	74.00	-24.54
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

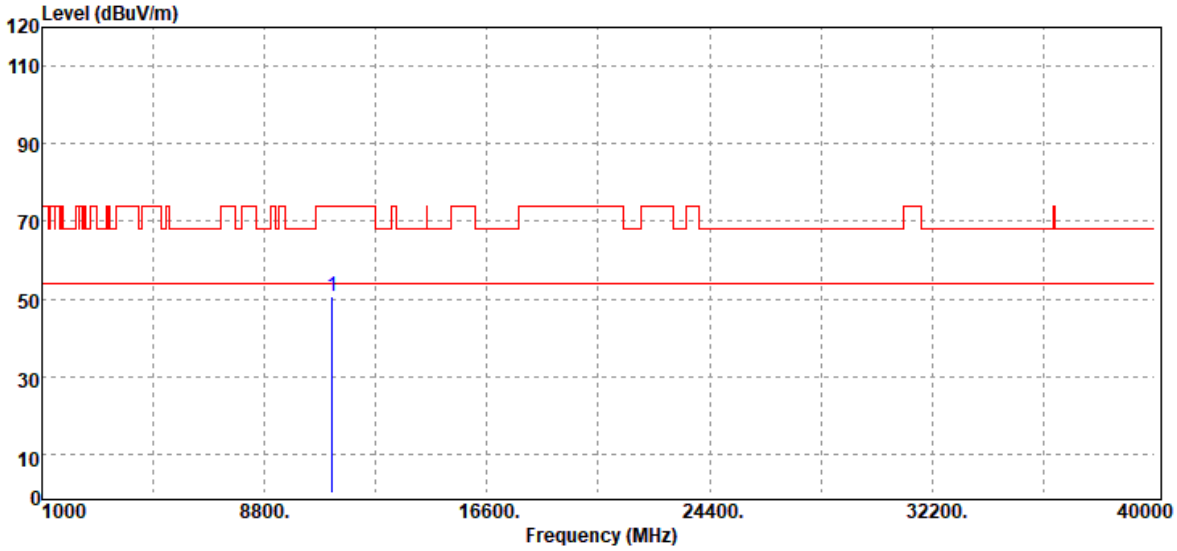


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	34.69	15.48	50.17	74.00	-23.83
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

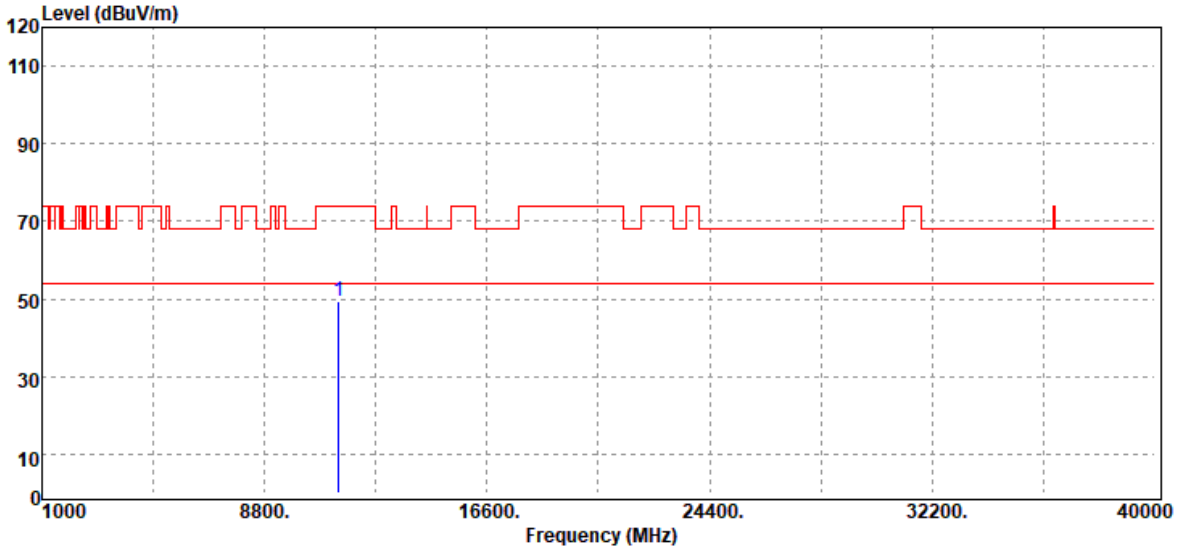


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	35.14	15.48	50.62	74.00	-23.38
N/A						

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.

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

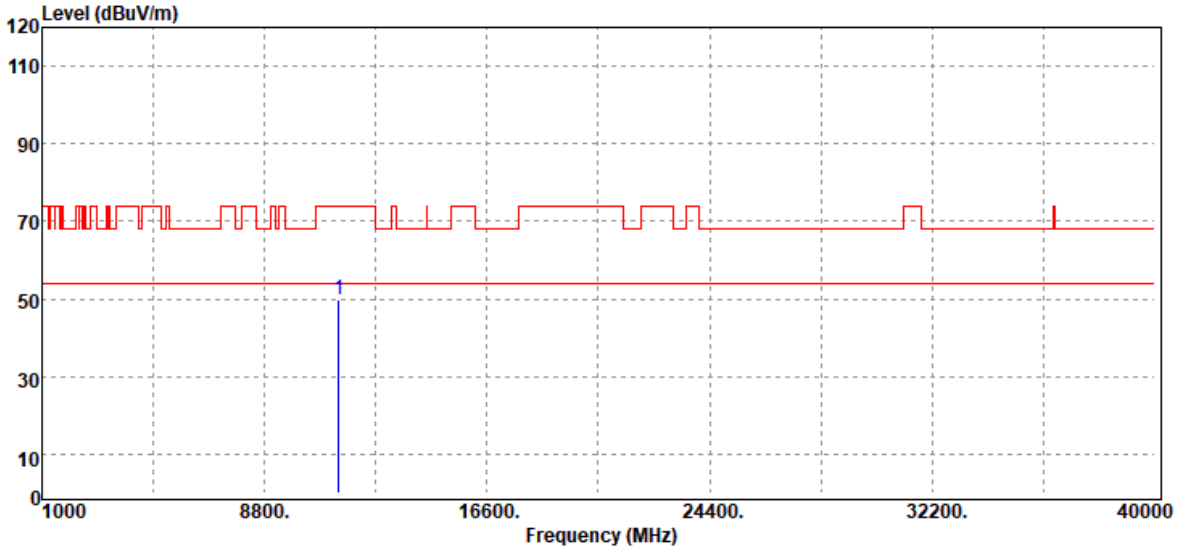


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	33.53	15.72	49.25	74.00	-24.75
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

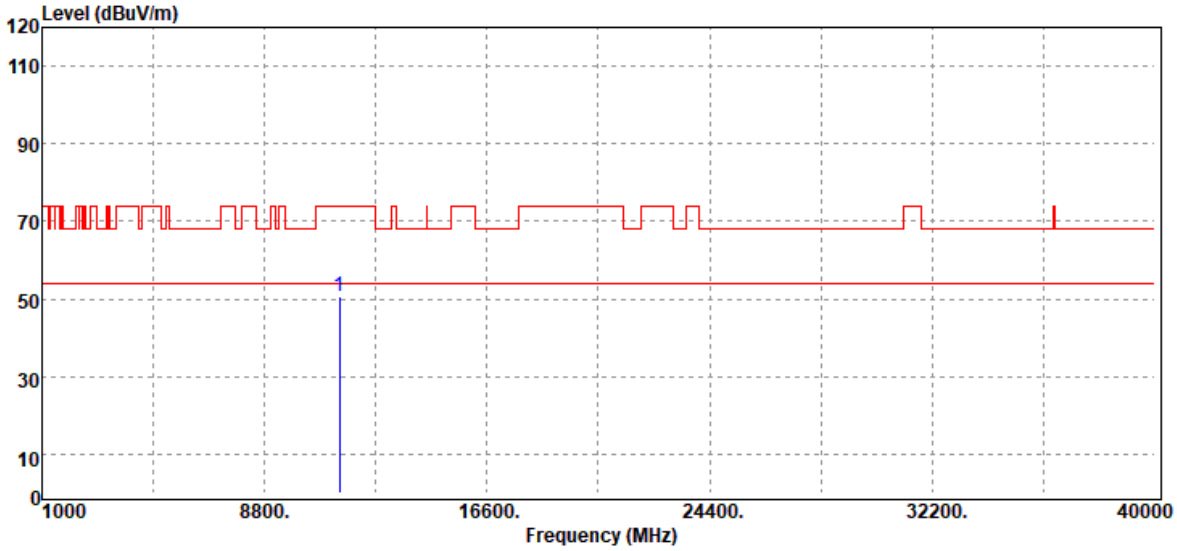


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	34.08	15.72	49.80	74.00	-24.20
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5720 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

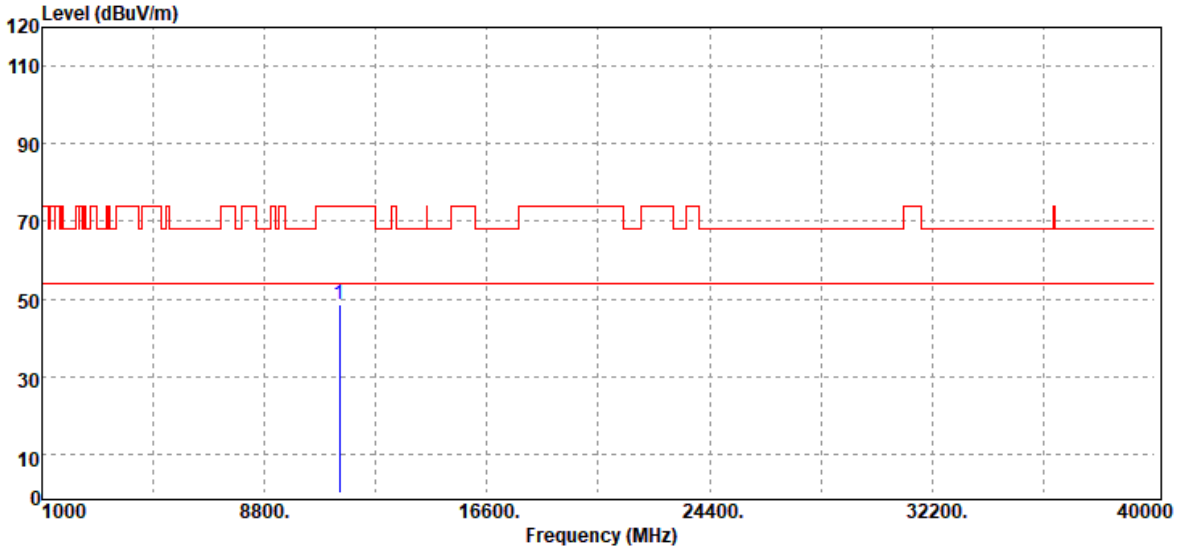


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	34.89	15.69	50.58	74.00	-23.42
N/A						

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.

Test Mode	IEEE 802.11a / 5720 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

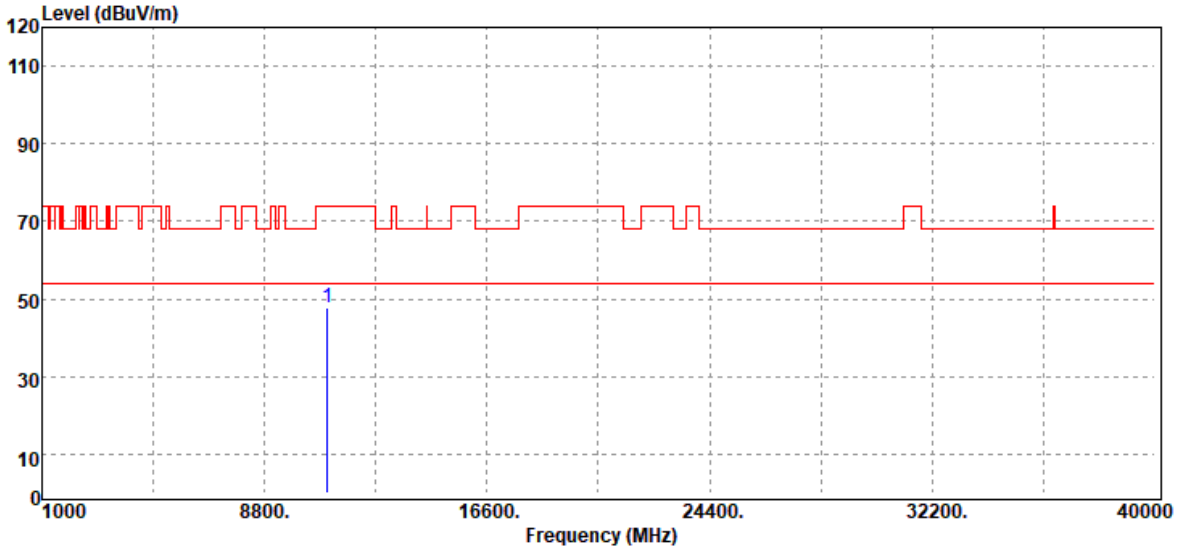


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	32.81	15.69	48.50	74.00	-25.50
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5500 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

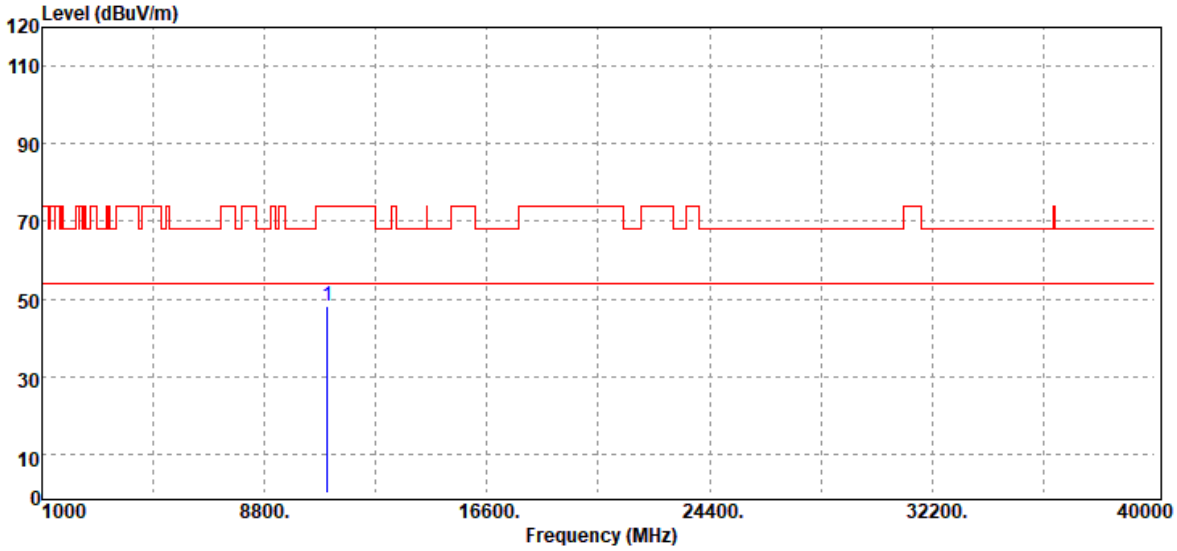


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	32.65	15.00	47.65	74.00	-26.35
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5500 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

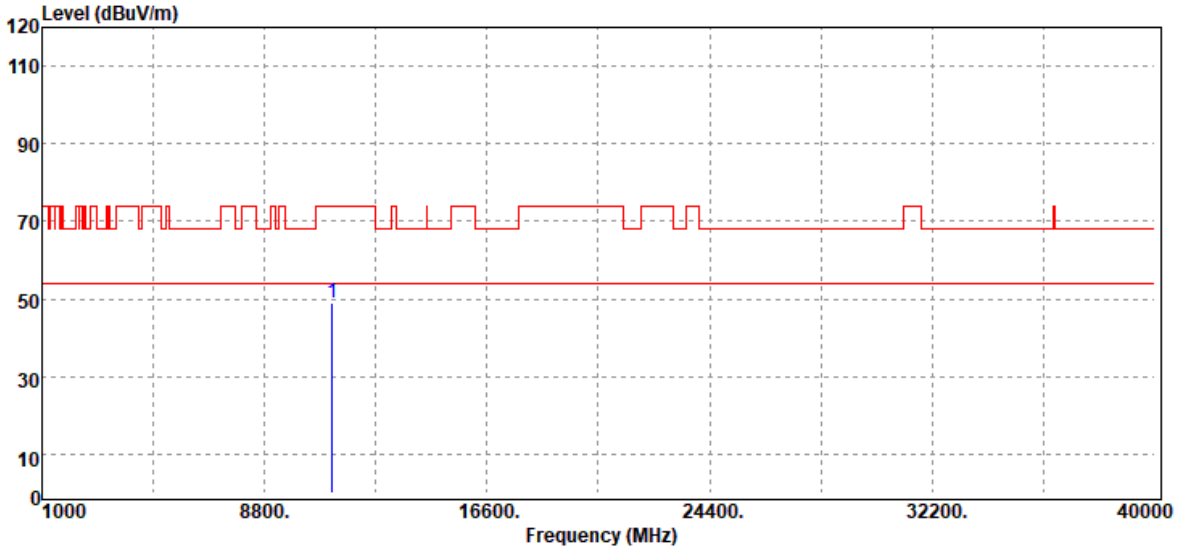


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Peak	33.30	15.00	48.30	74.00	-25.70
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5580 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

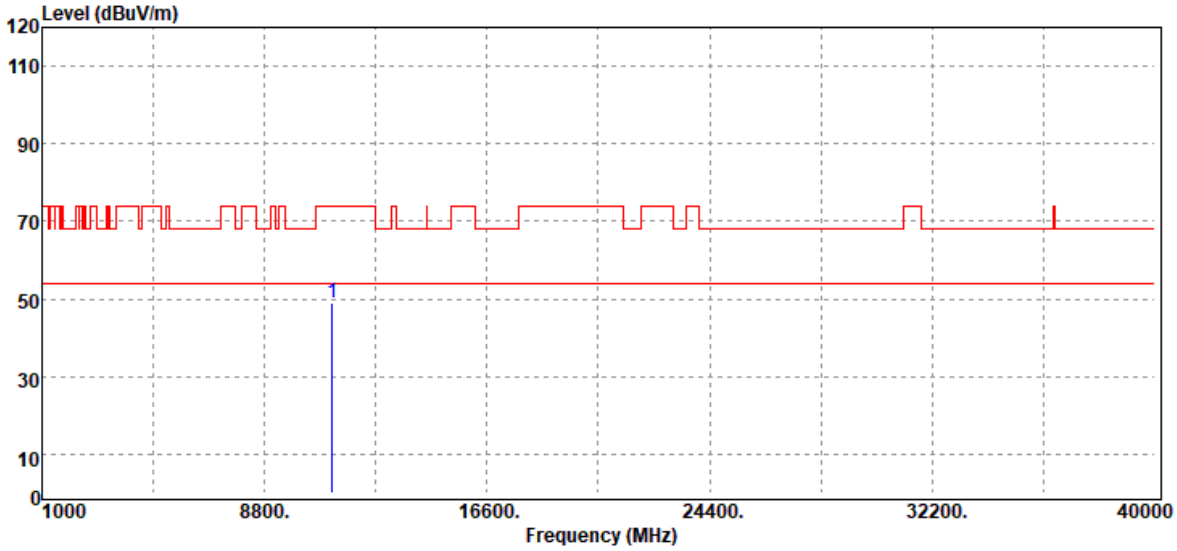


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	33.47	15.48	48.95	74.00	-25.05
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5580 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

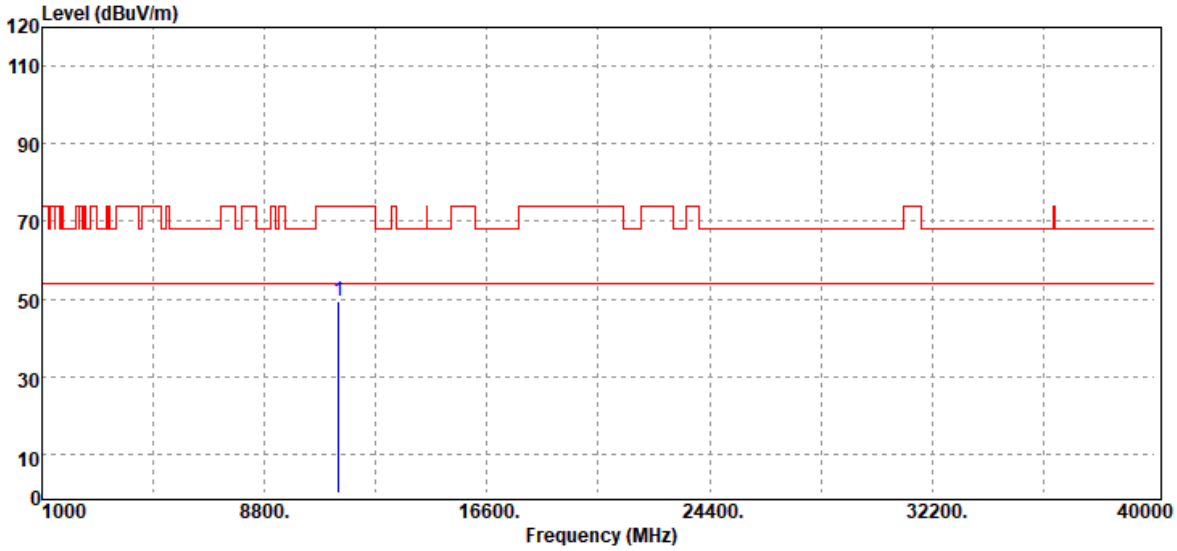


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Peak	33.48	15.48	48.96	74.00	-25.04
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

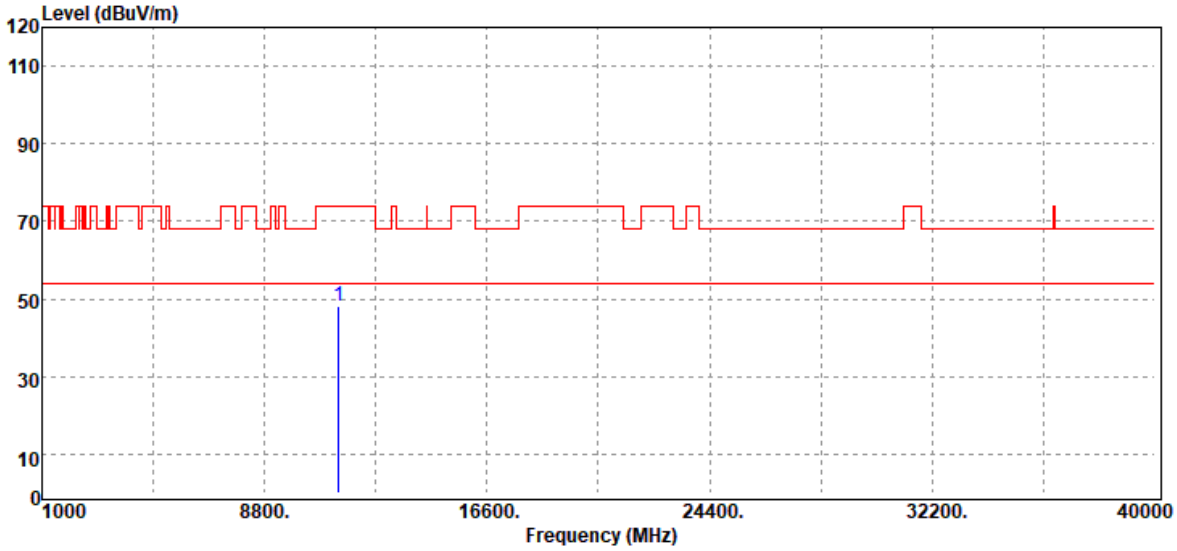


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	33.74	15.72	49.46	74.00	-24.54
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

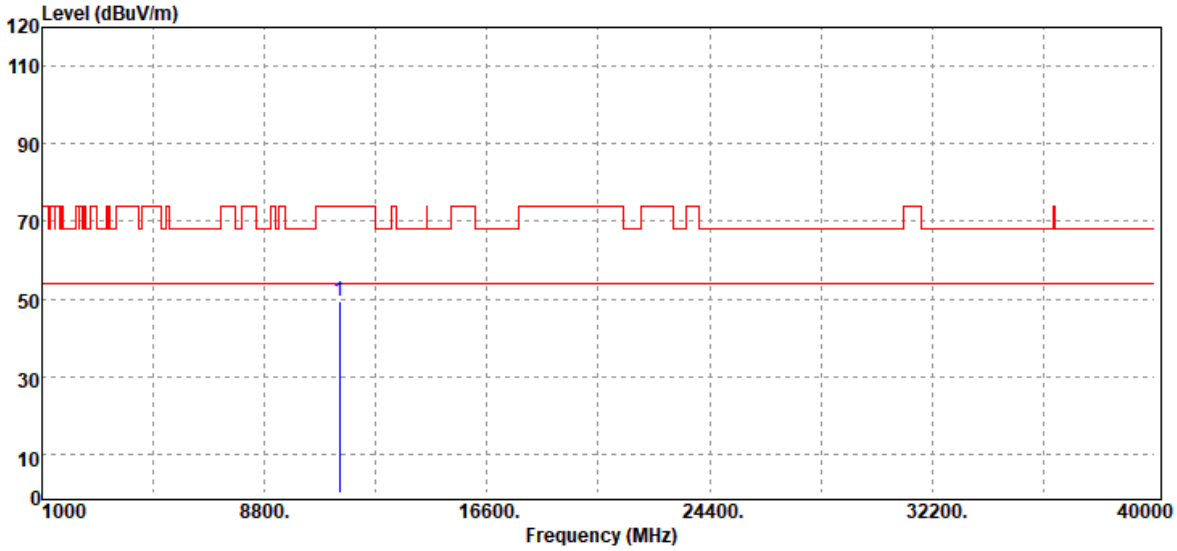


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Peak	32.44	15.72	48.16	74.00	-25.84
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5720 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

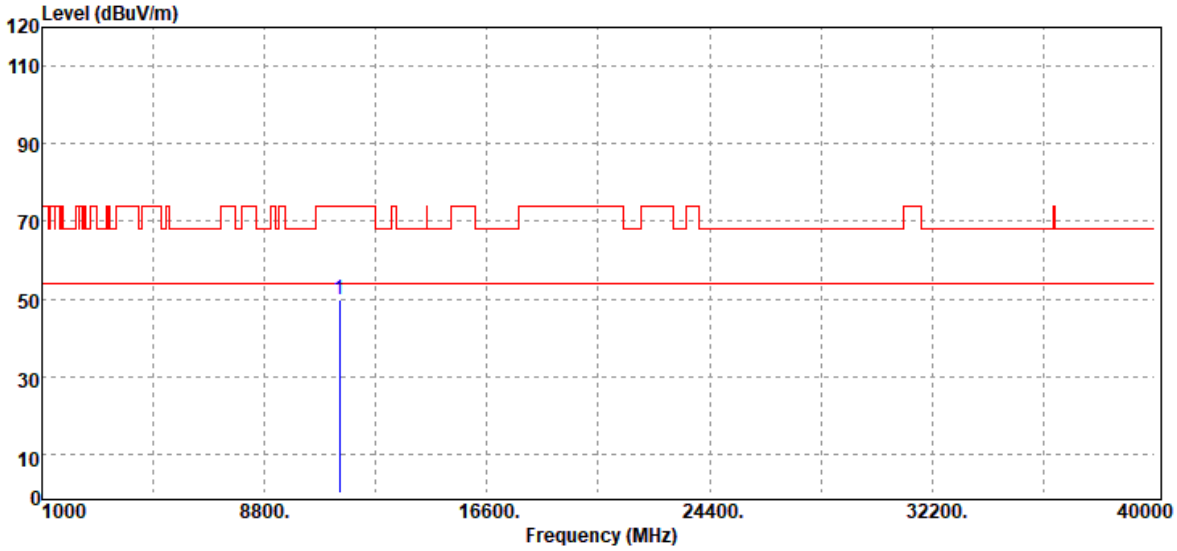


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	33.51	15.69	49.20	74.00	-24.80
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5720 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

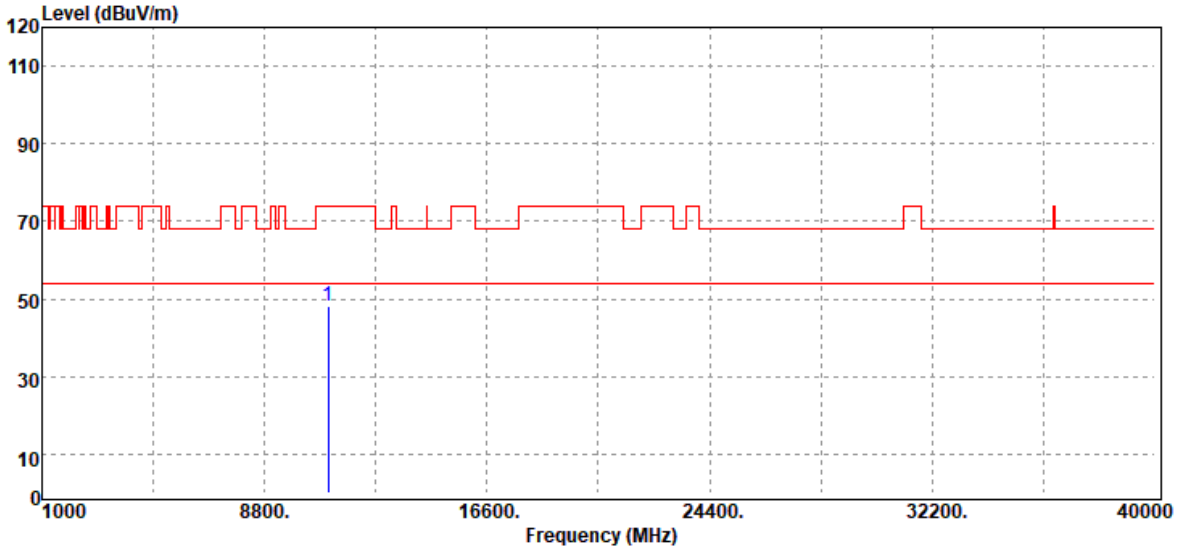


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	34.27	15.69	49.96	74.00	-24.04
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

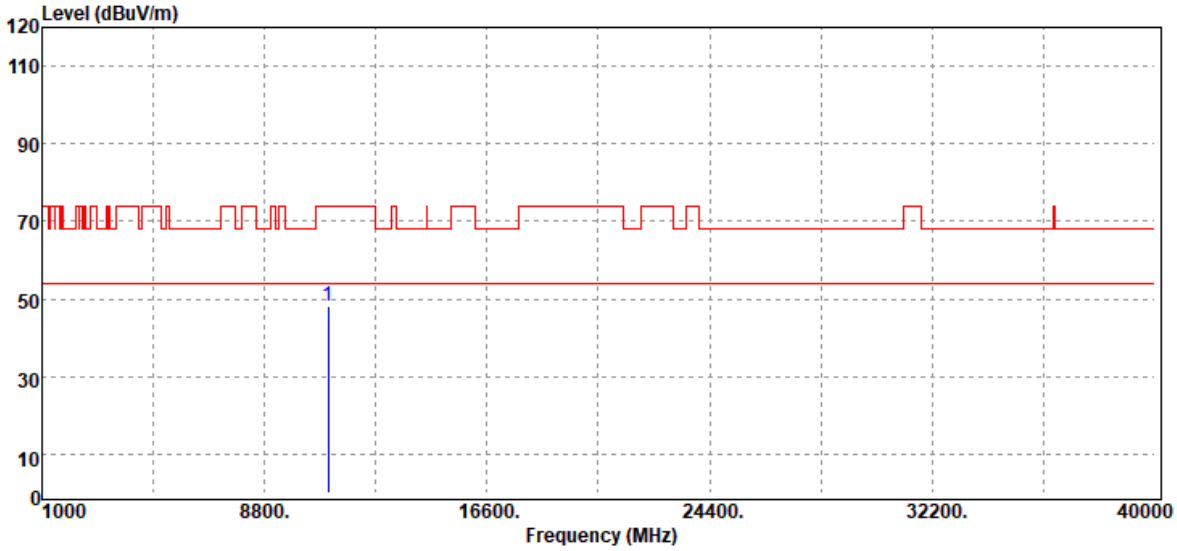


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11020.00	Peak	33.06	15.11	48.17	74.00	-25.83
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

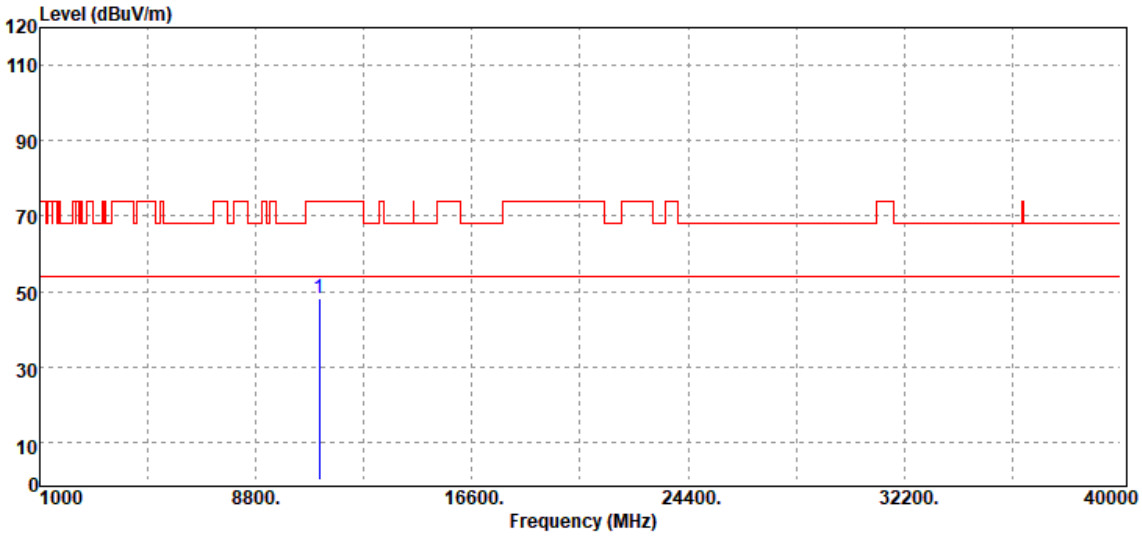


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11020.00	Peak	32.99	15.11	48.10	74.00	-25.90
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

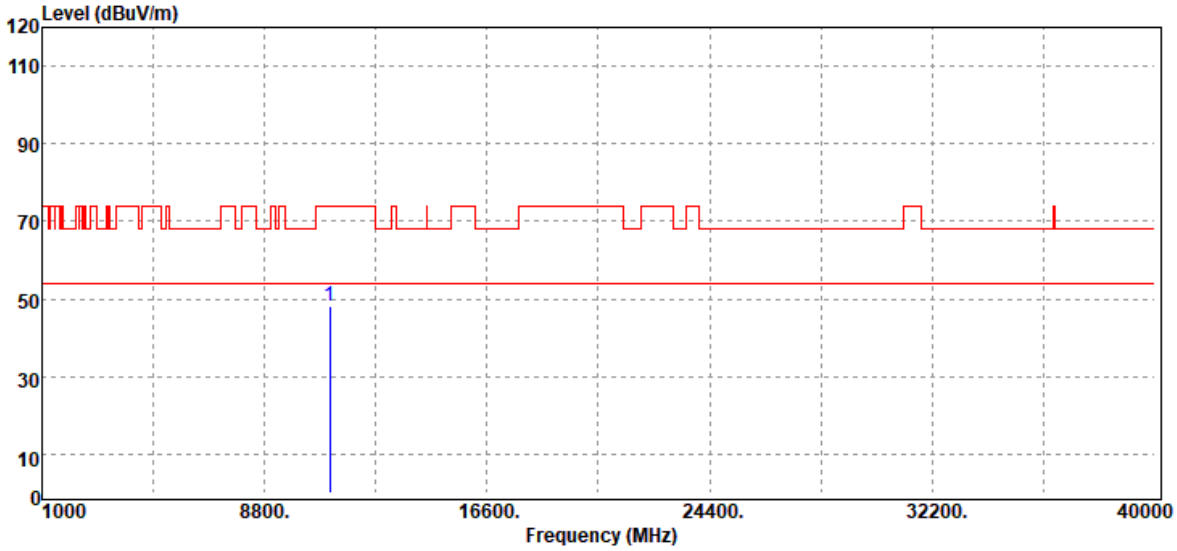


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11100.00	Peak	33.84	15.18	49.02	74.00	-24.98
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

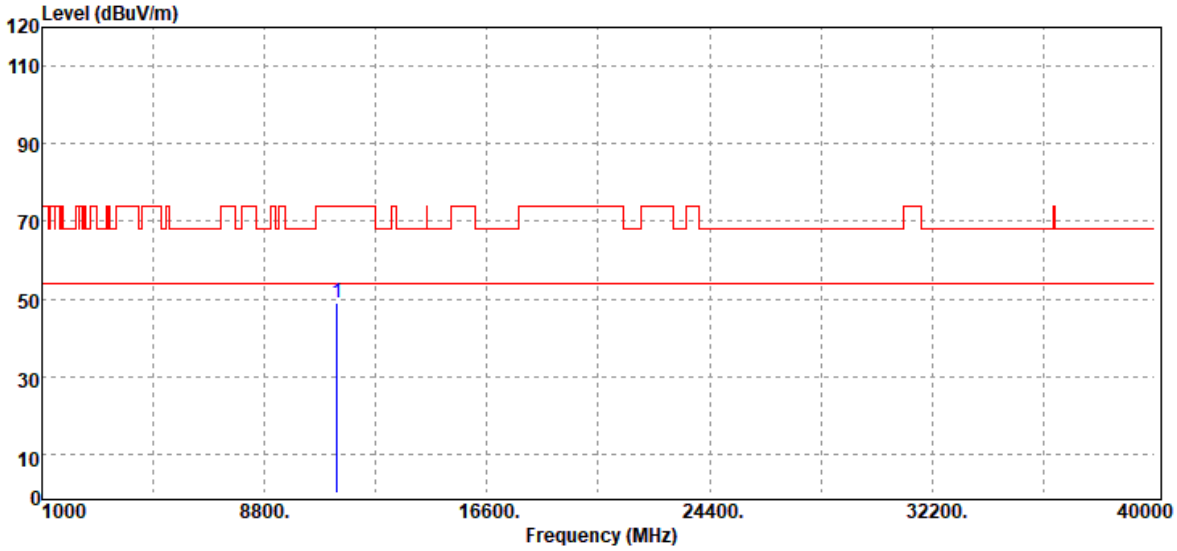


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11100.00	Peak	32.88	15.18	48.06	74.00	-25.94
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

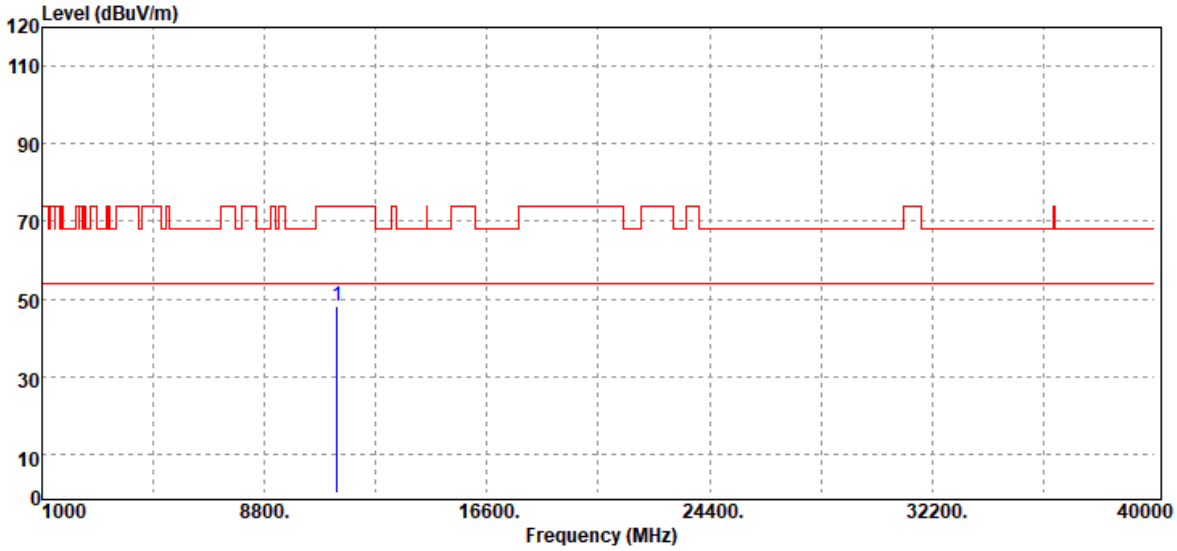


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11340.00	Peak	33.27	15.58	48.85	74.00	-25.15
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

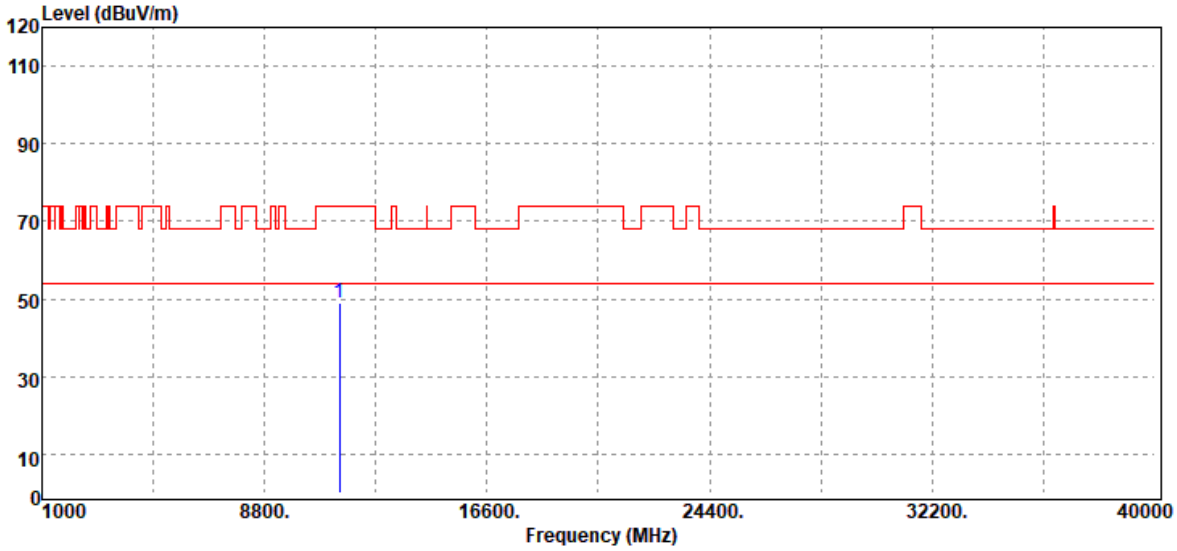


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11340.00	Peak	32.77	15.58	48.35	74.00	-25.65
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz / 5710 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

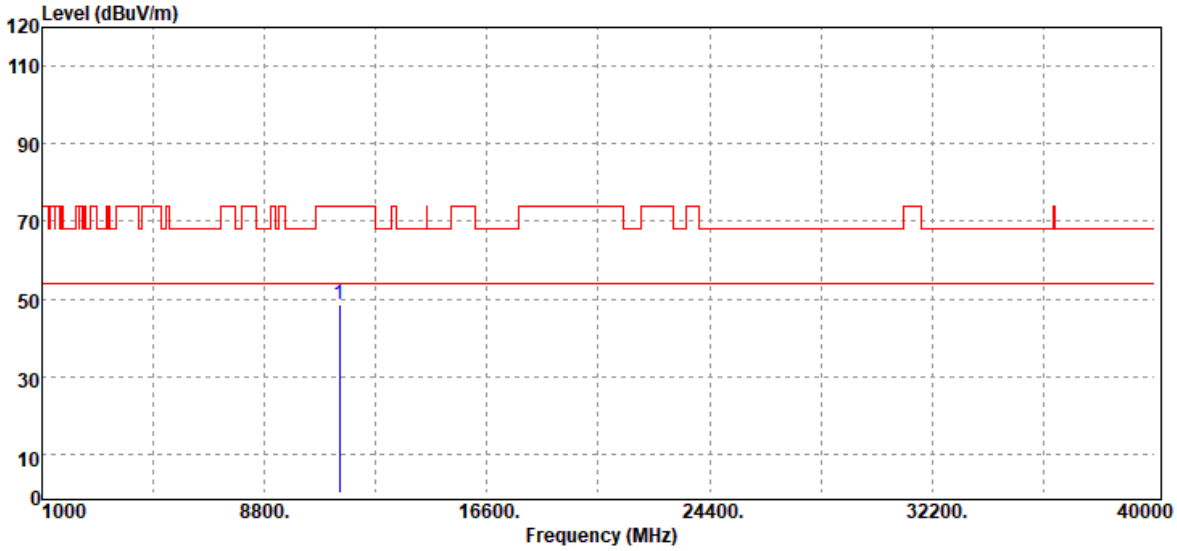


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11420.00	Peak	33.18	15.71	48.89	74.00	-25.11
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5710 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

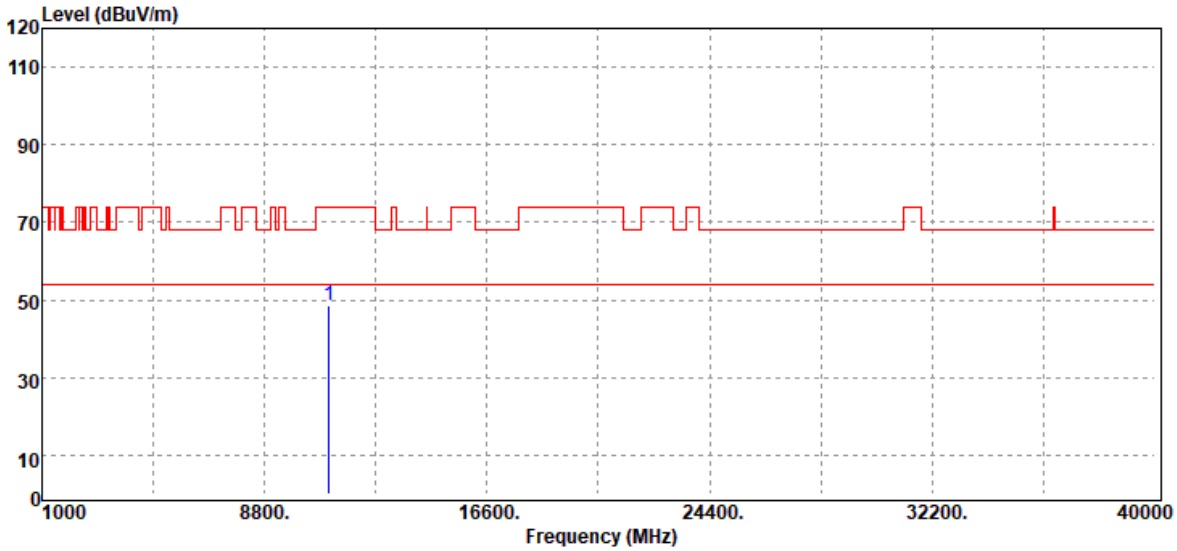


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11420.00	Peak	33.02	15.71	48.73	74.00	-25.27
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

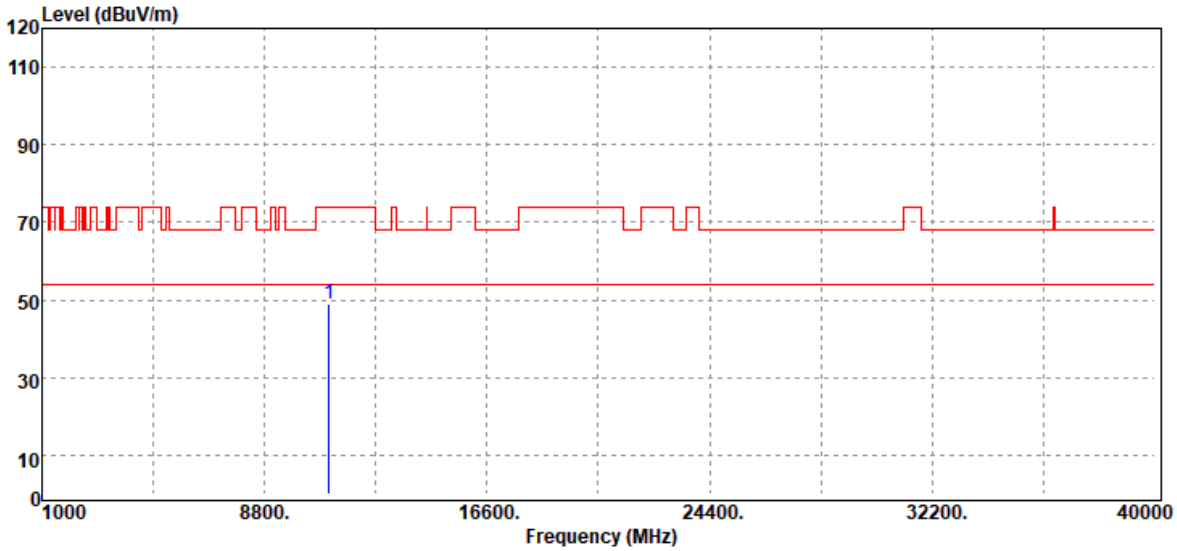


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11060.00	Peak	33.28	15.25	48.53	74.00	-25.47
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

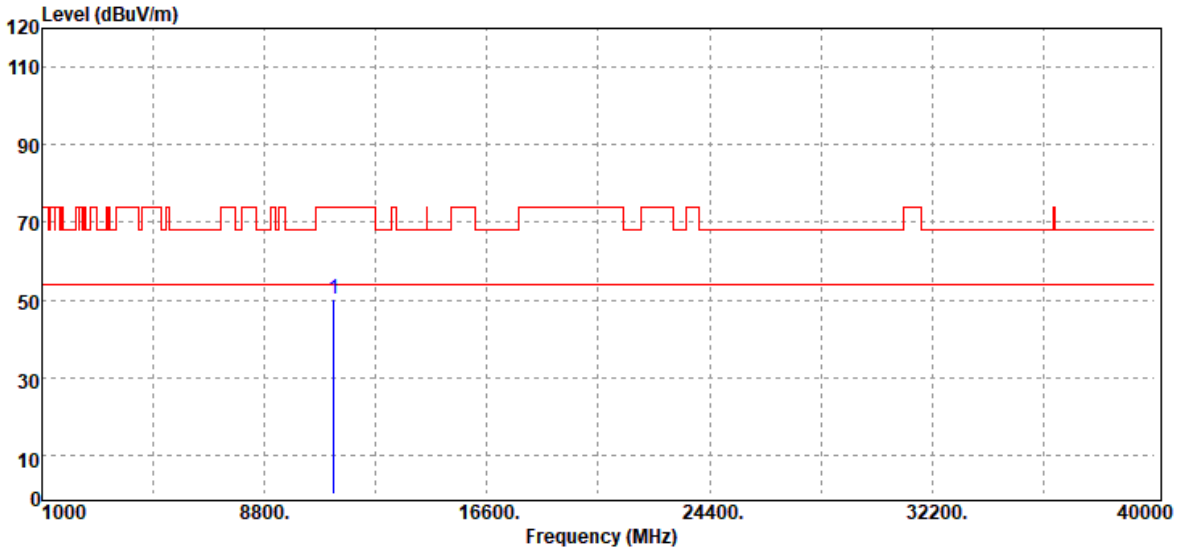


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11060.00	Peak	33.59	15.25	48.84	74.00	-25.16
N/A						

Remark:

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

Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

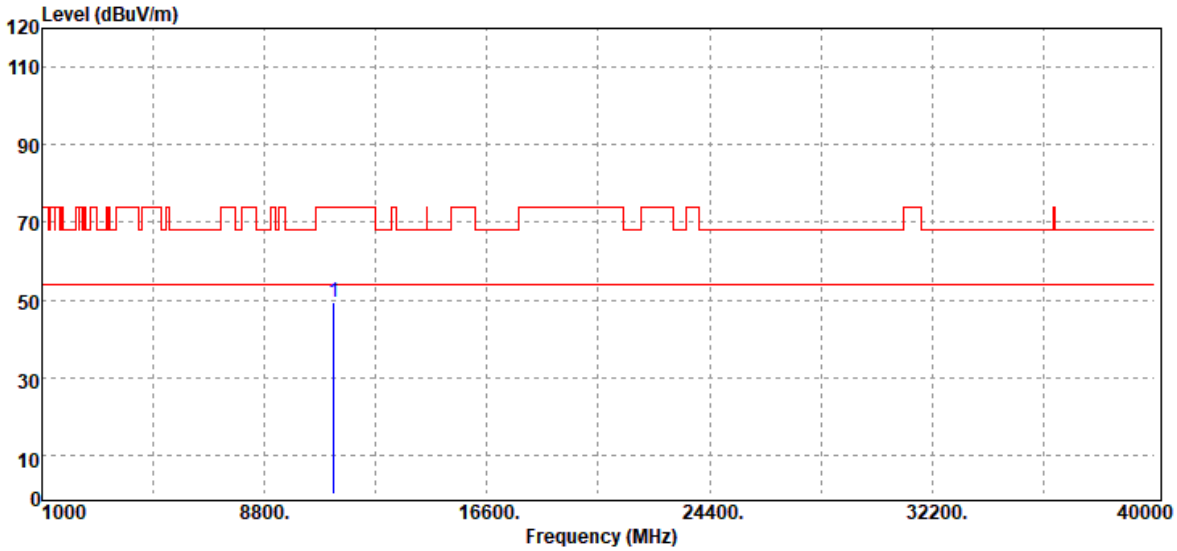


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11220.00	Peak	34.72	15.33	50.05	74.00	-23.95
N/A						

Remark:

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

Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

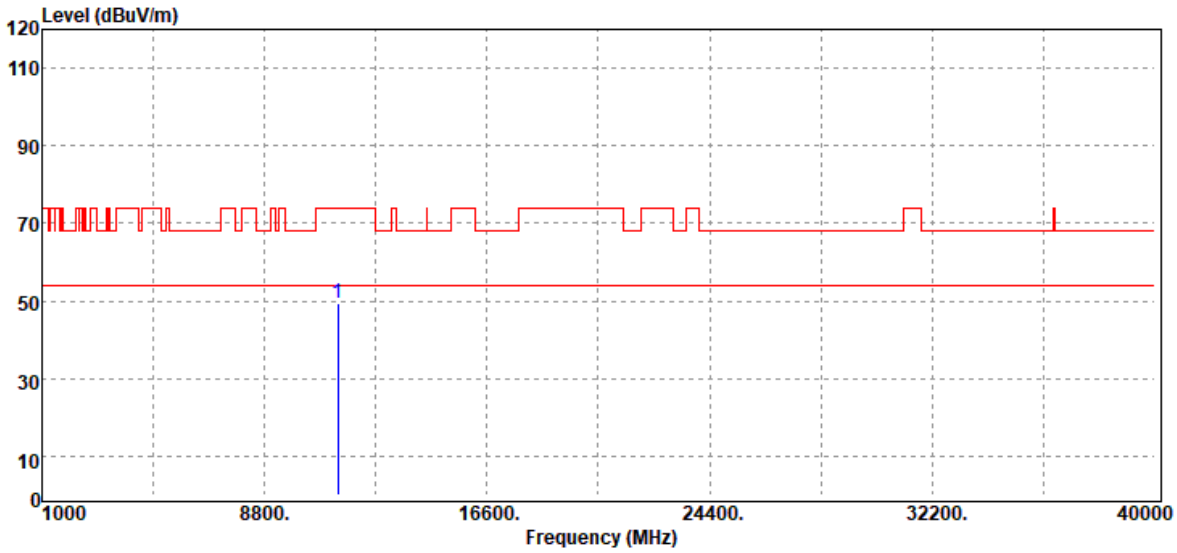


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11220.00	Peak	33.91	15.33	49.24	74.00	-24.76
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5690 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

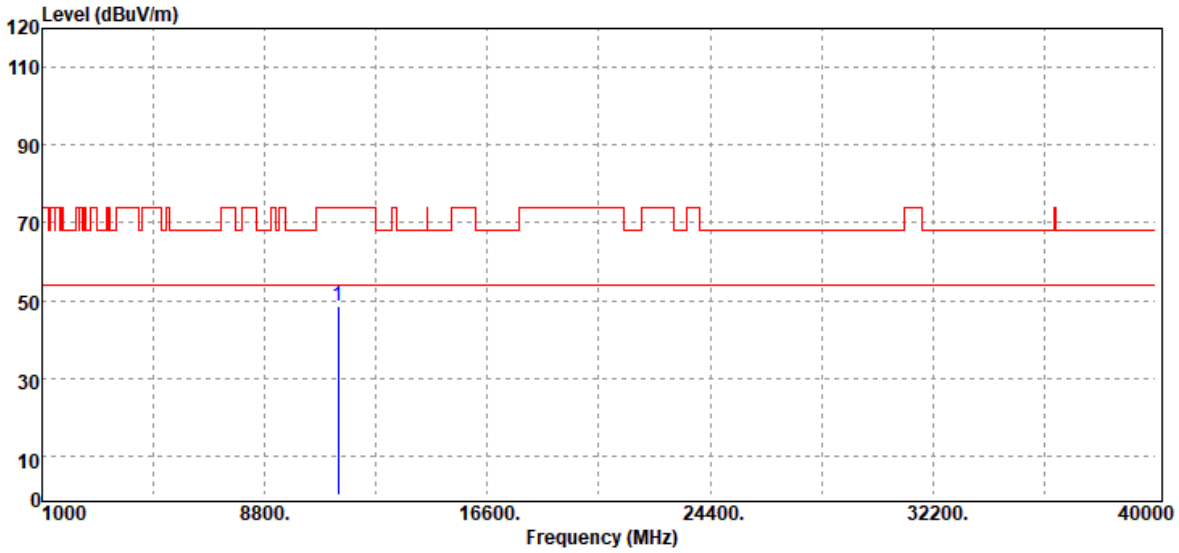


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11380.00	Peak	33.75	15.66	49.41	74.00	-24.59
N/A						

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.

Test Mode	IEEE 802.11ac VHT80 / 5690 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



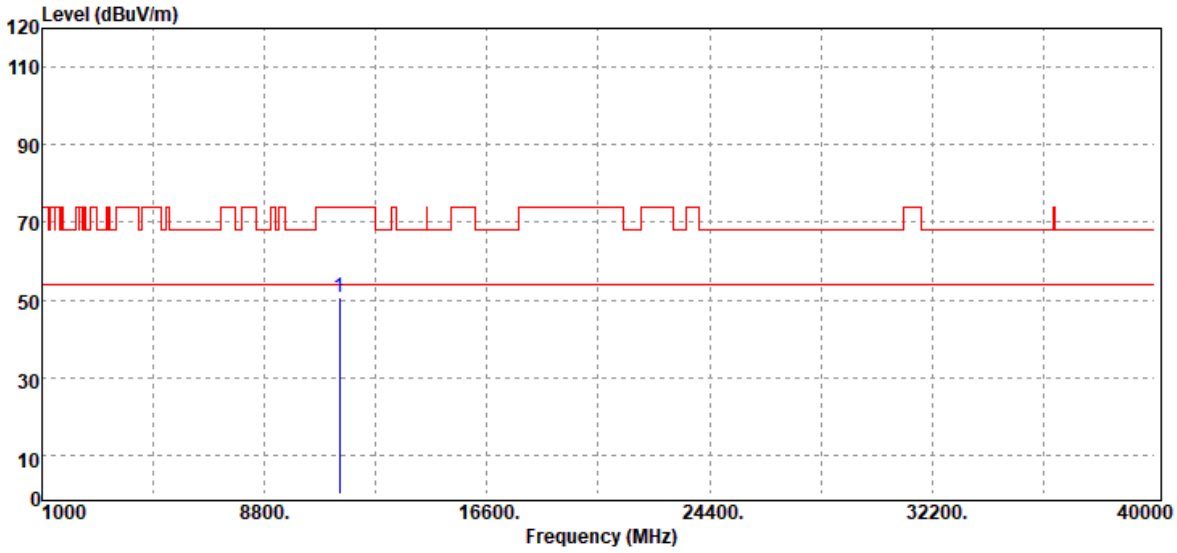
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11380.00	Peak	33.00	15.66	48.66	74.00	-25.34
N/A						

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.

Test Data for UNII-3

Test Mode	IEEE 802.11a / 5720 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

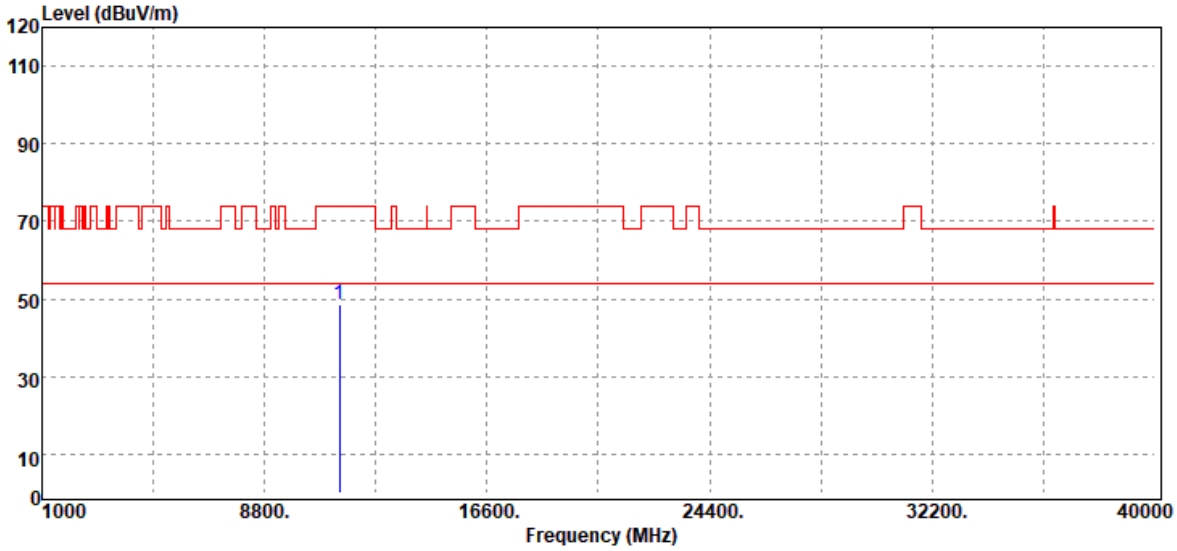


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	34.89	15.69	50.58	74.00	-23.42
N/A						

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.

Test Mode	IEEE 802.11a / 5720 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

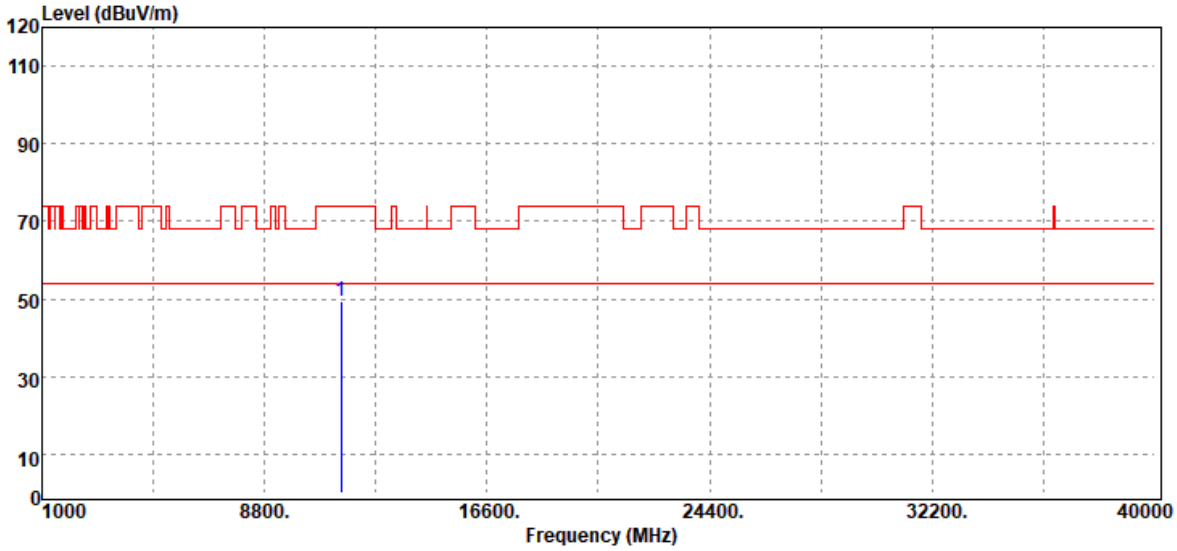


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	32.81	15.69	48.50	74.00	-25.50
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

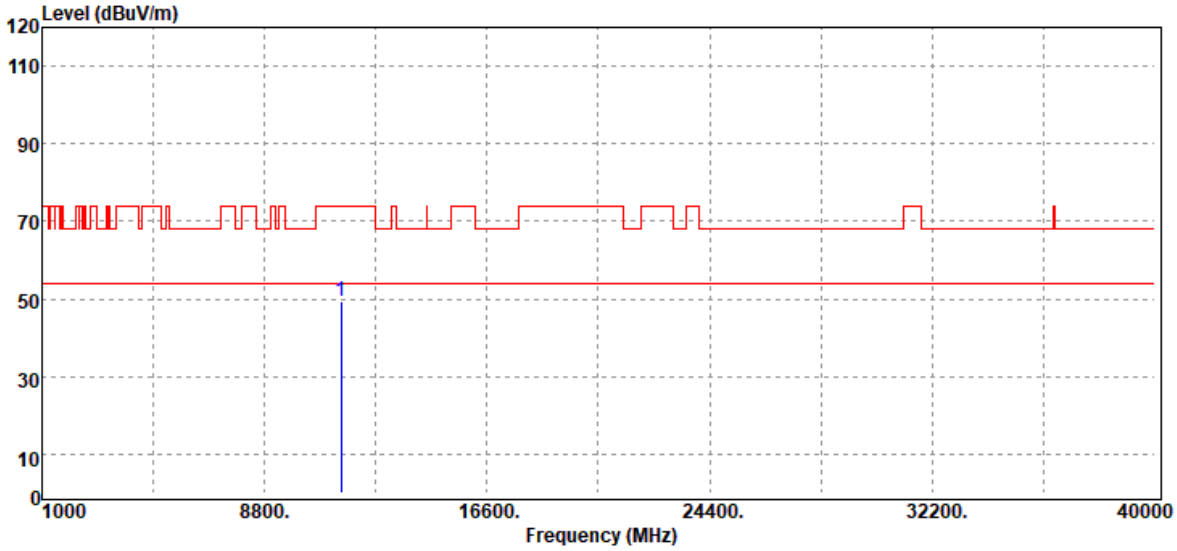


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	34.00	15.60	49.60	74.00	-24.40
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

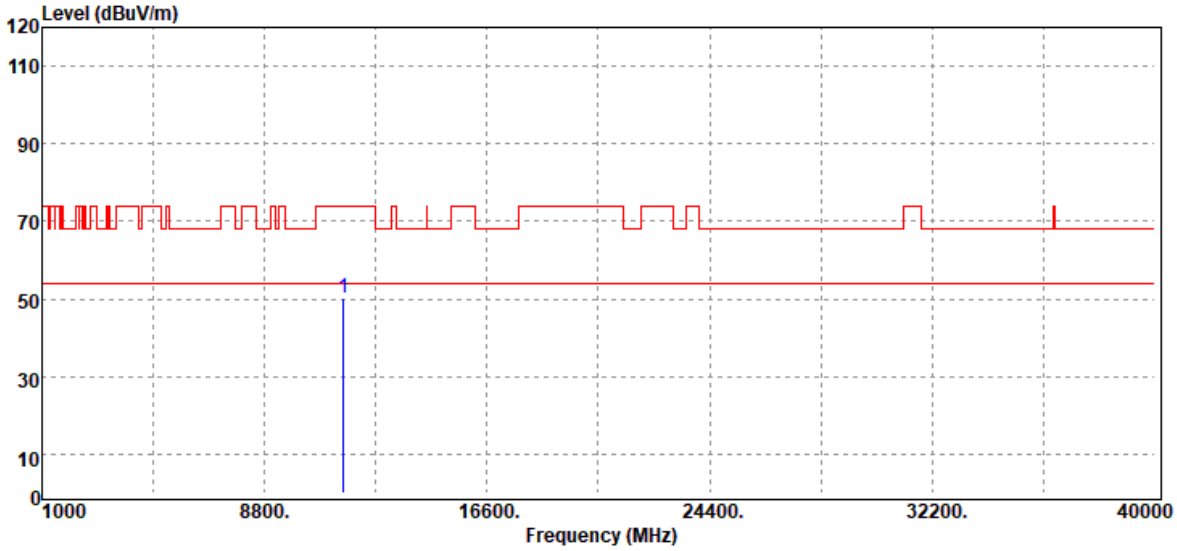


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	33.98	15.60	49.58	74.00	-24.42
N/A						

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.

Test Mode	IEEE 802.11a / 5785 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

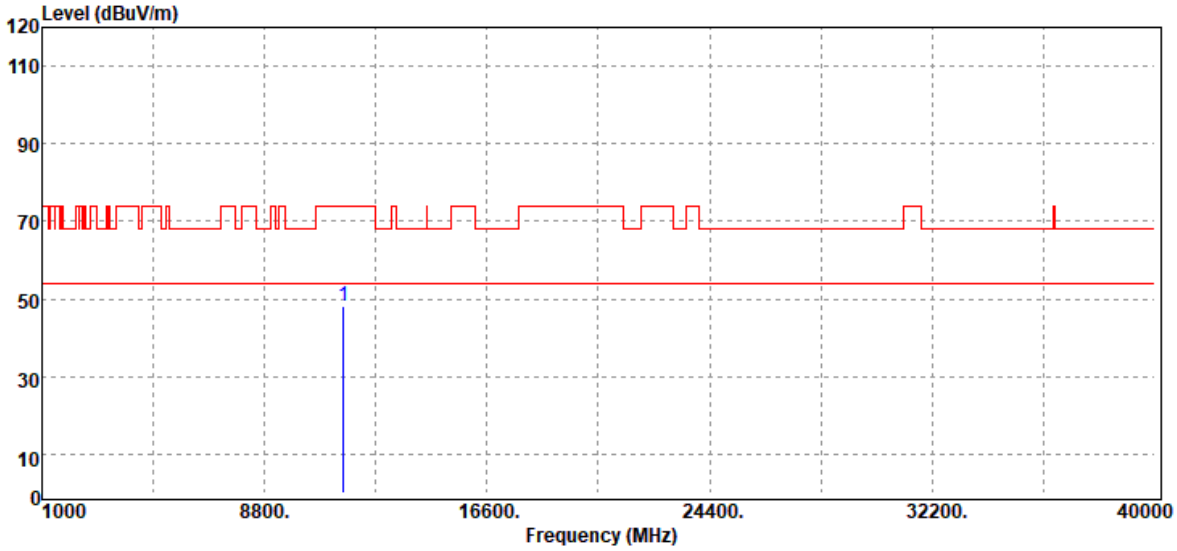


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	34.32	15.92	50.24	74.00	-23.76
N/A						

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.

Test Mode	IEEE 802.11a / 5785 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

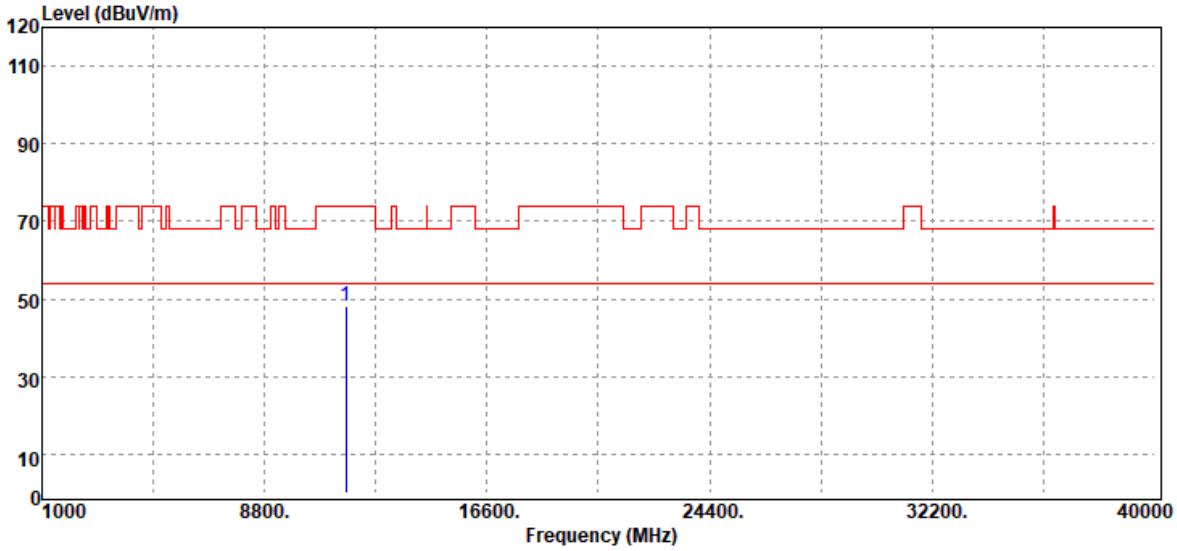


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	32.44	15.92	48.36	74.00	-25.64
N/A						

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.

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

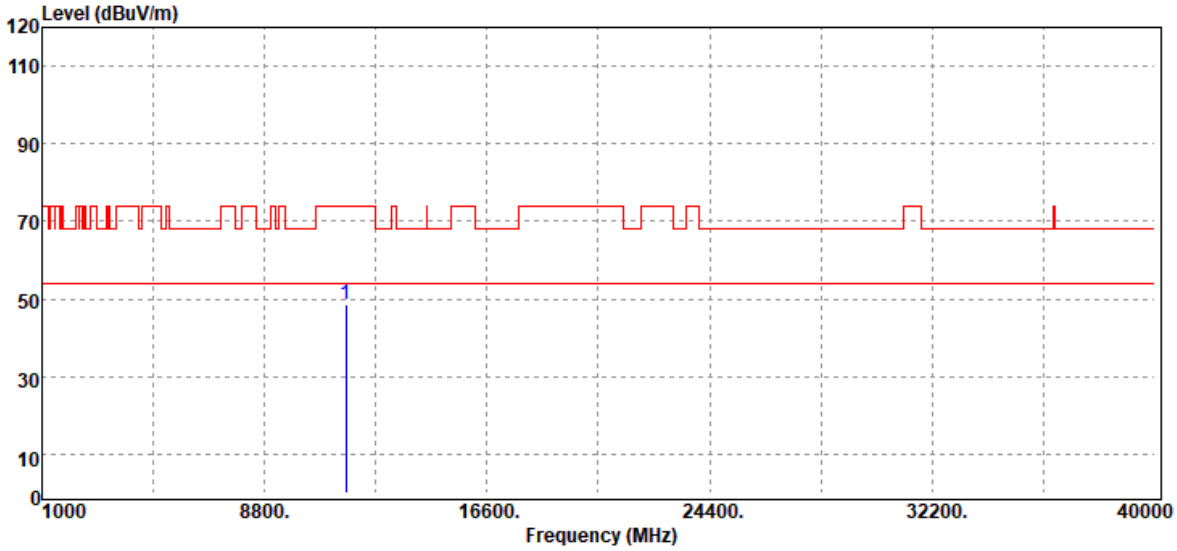


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	32.18	15.89	48.07	74.00	-25.93
N/A						

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.

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

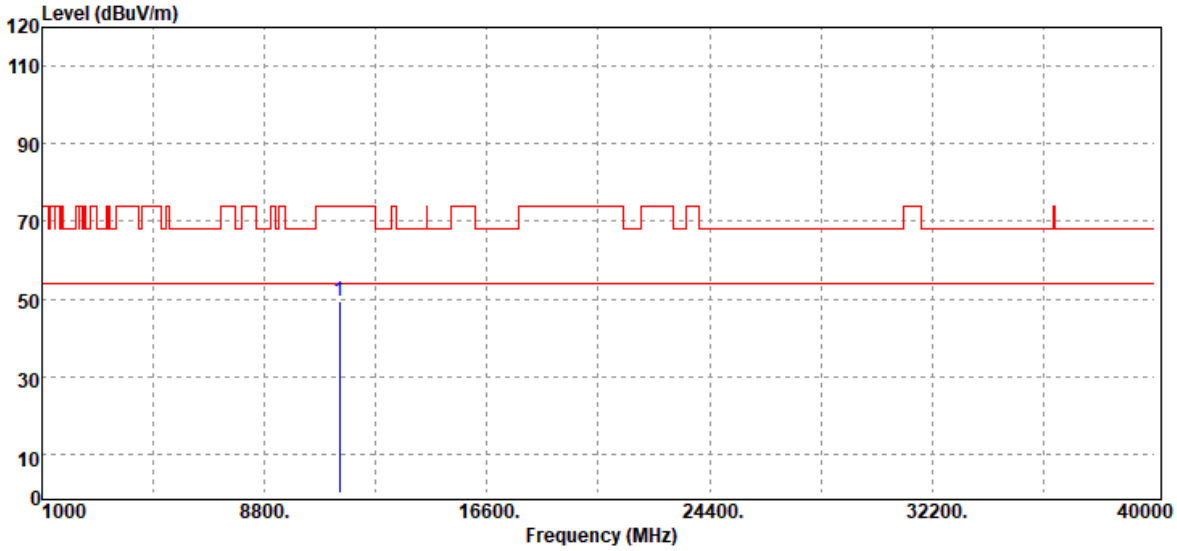


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	32.67	15.89	48.56	74.00	-25.44
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5720 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

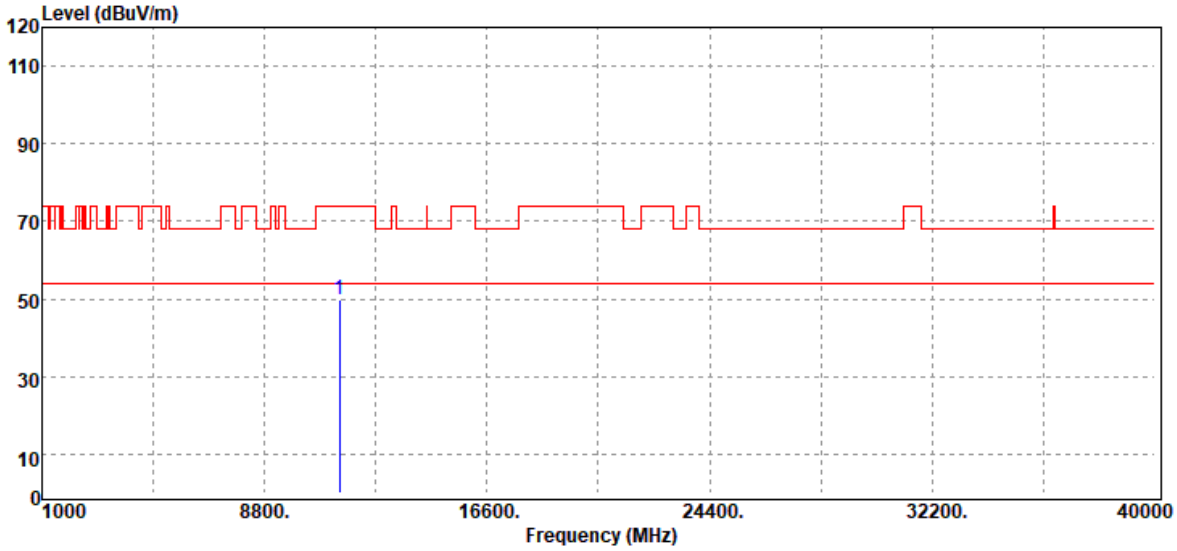


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	33.51	15.69	49.20	74.00	-24.80
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5720 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

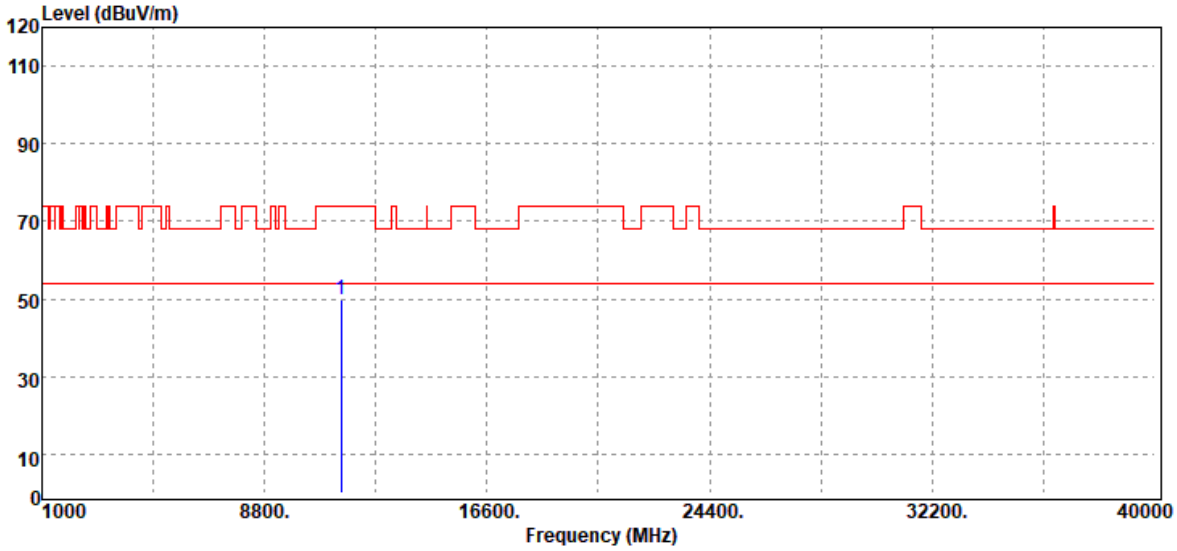


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11440.00	Peak	34.27	15.69	49.96	74.00	-24.04
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

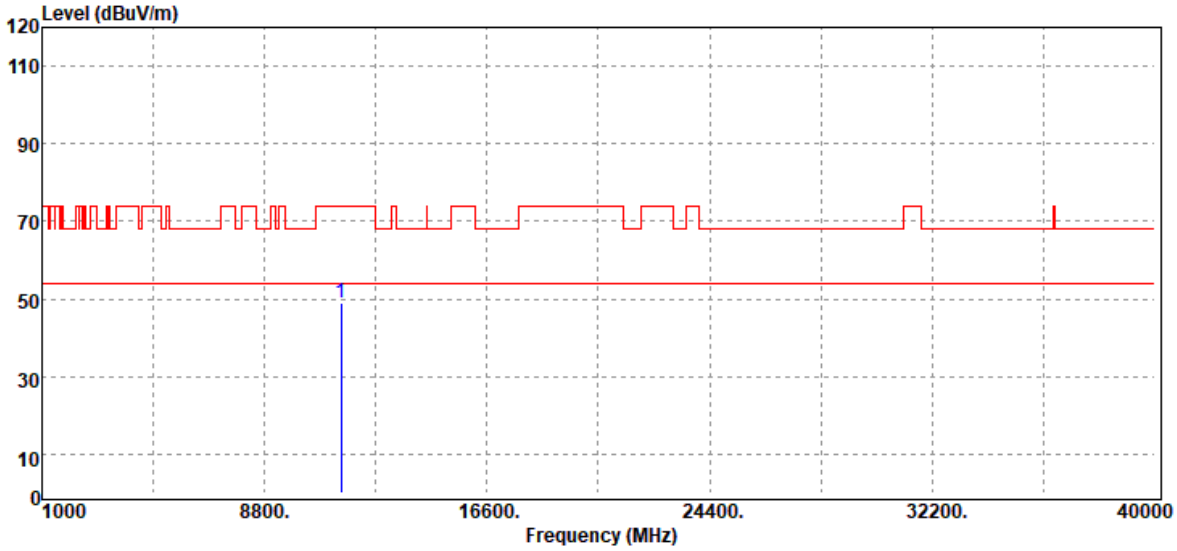


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	34.33	15.60	49.93	74.00	-24.07
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

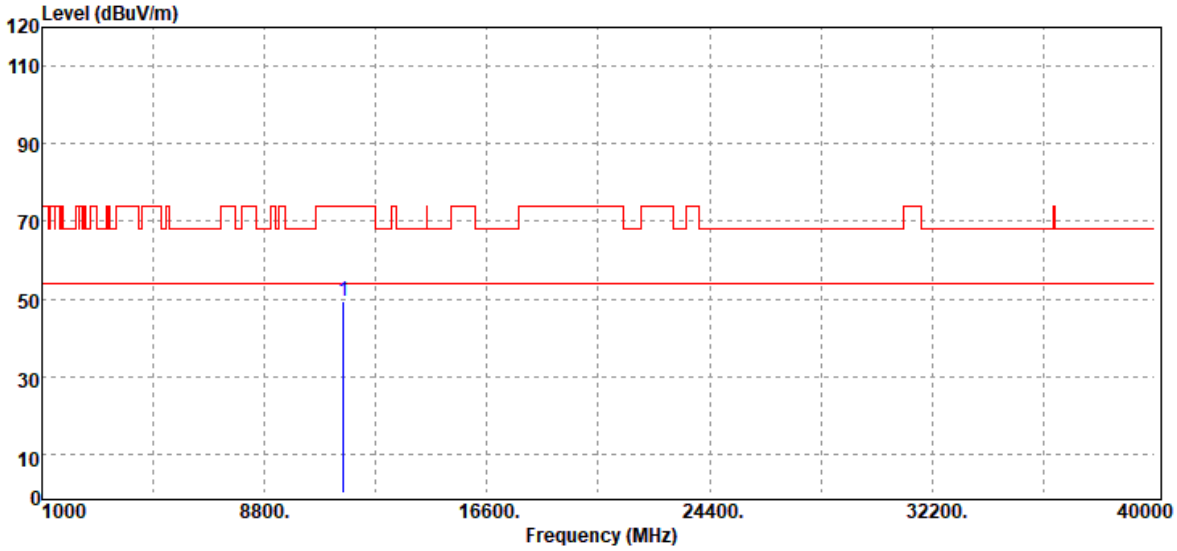


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	33.42	15.60	49.02	74.00	-24.98
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz/ 5785 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

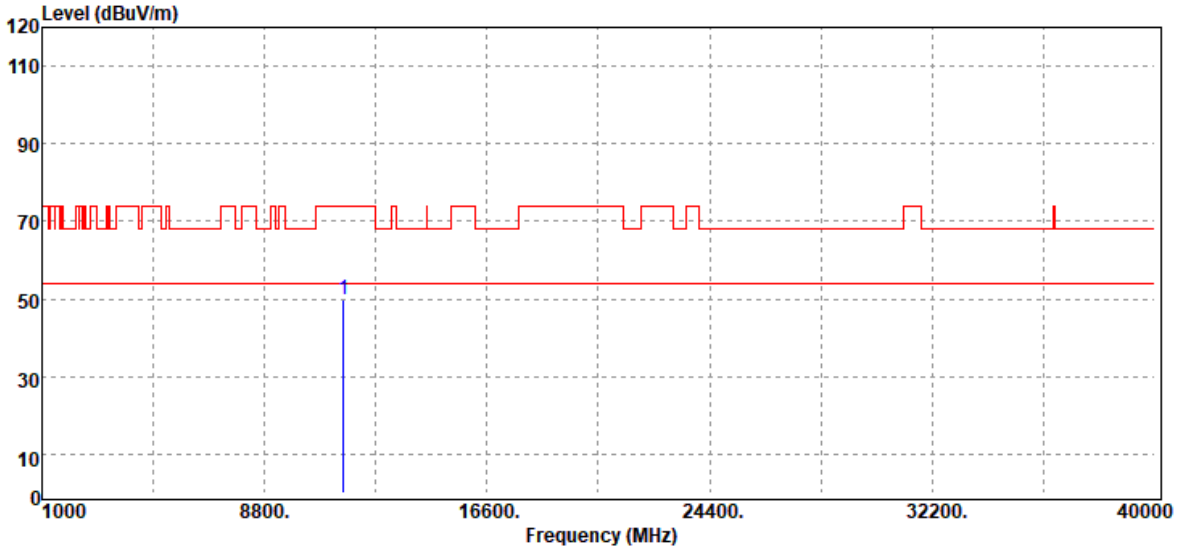


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	33.67	15.92	49.59	74.00	-24.41
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz/ 5785 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

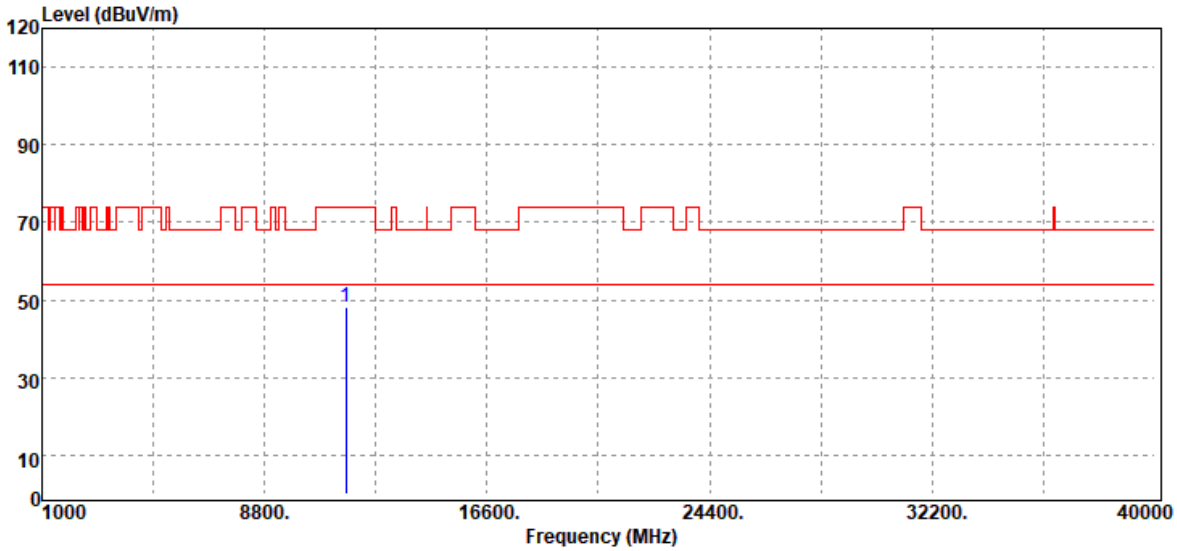


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	33.77	15.92	49.69	74.00	-24.31
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz/ 5825 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

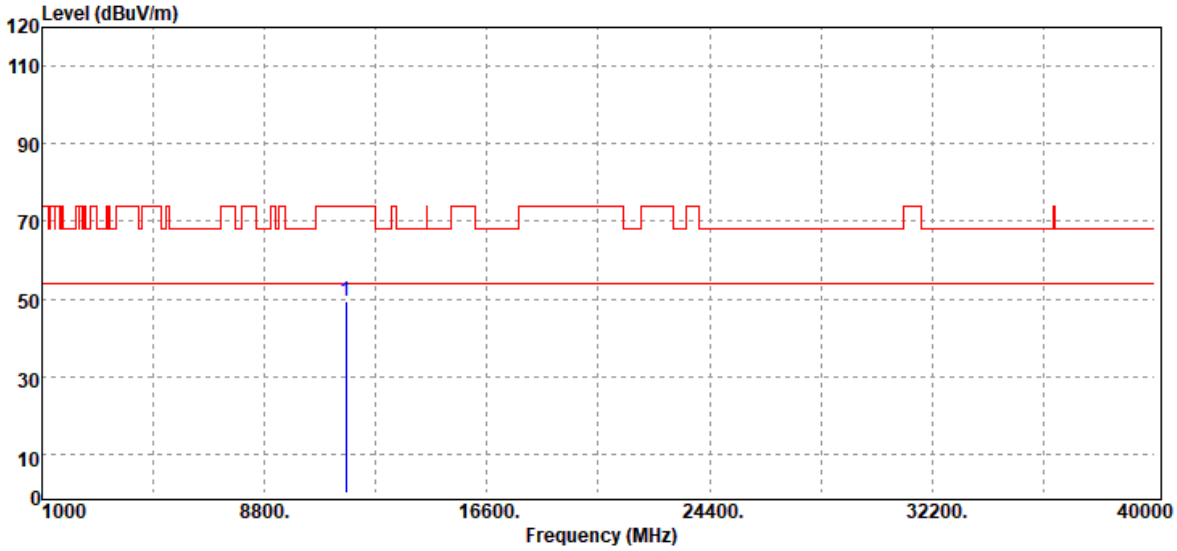


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	32.44	15.89	48.33	74.00	-25.67
N/A						

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.

Test Mode	IEEE 802.11n 20 MHz/ 5825 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

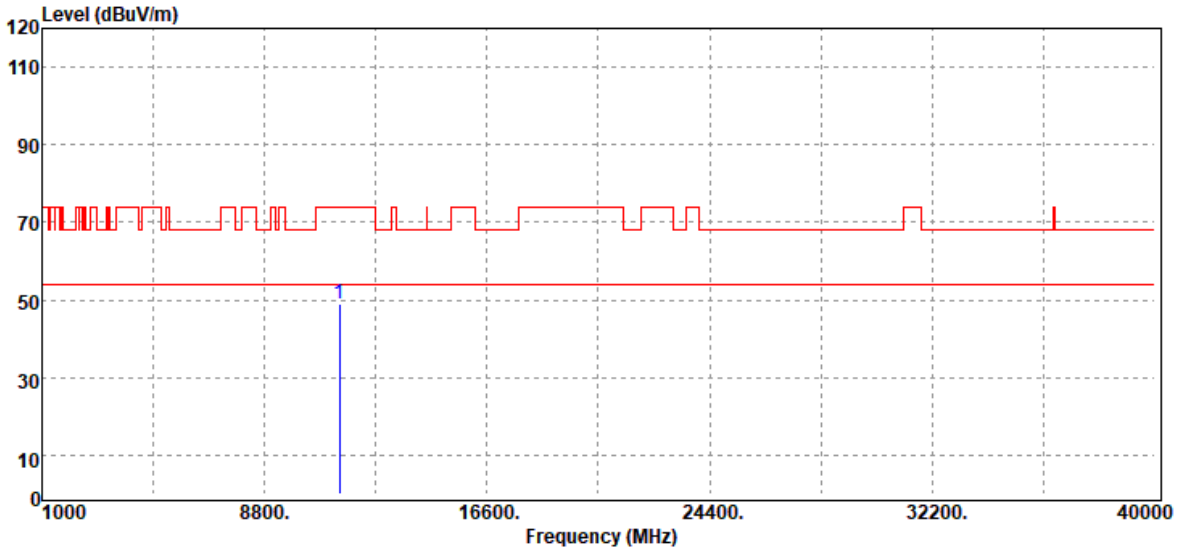


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Peak	33.43	15.89	49.32	74.00	-24.68
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz/ 5710 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

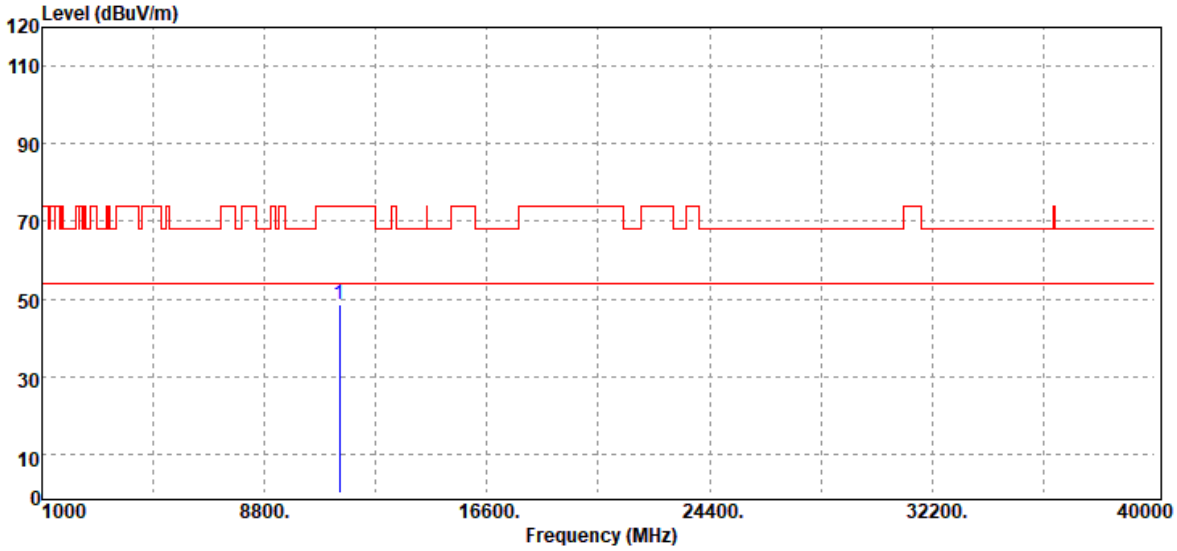


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11420.00	Peak	33.18	15.71	48.89	74.00	-25.11
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz/ 5710 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

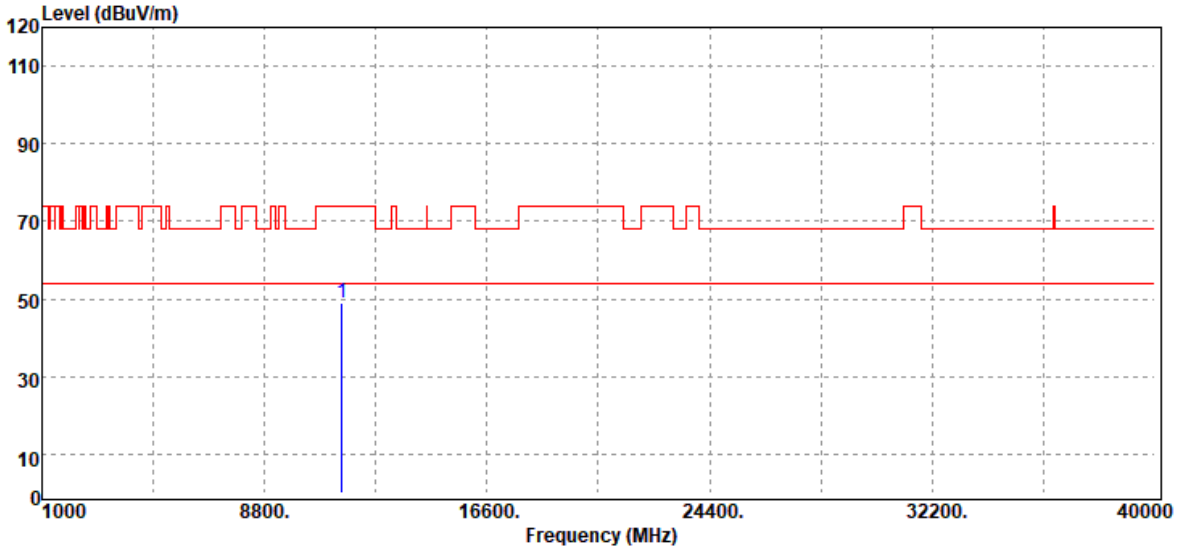


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11420.00	Peak	33.02	15.71	48.73	74.00	-25.27
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

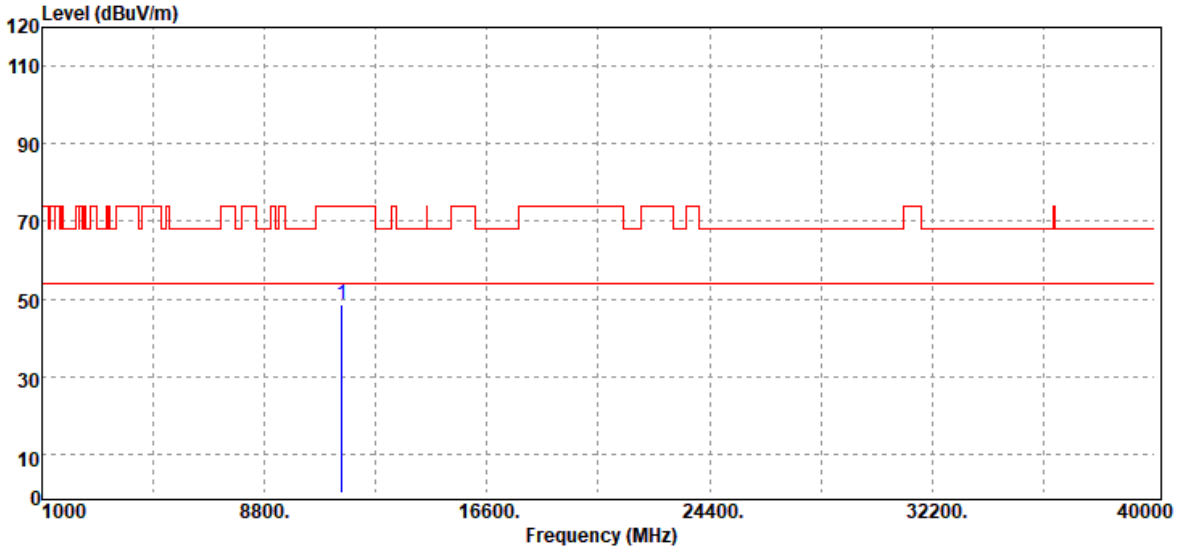


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11510.00	Peak	33.47	15.65	49.12	74.00	-24.88
N/A						

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.

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

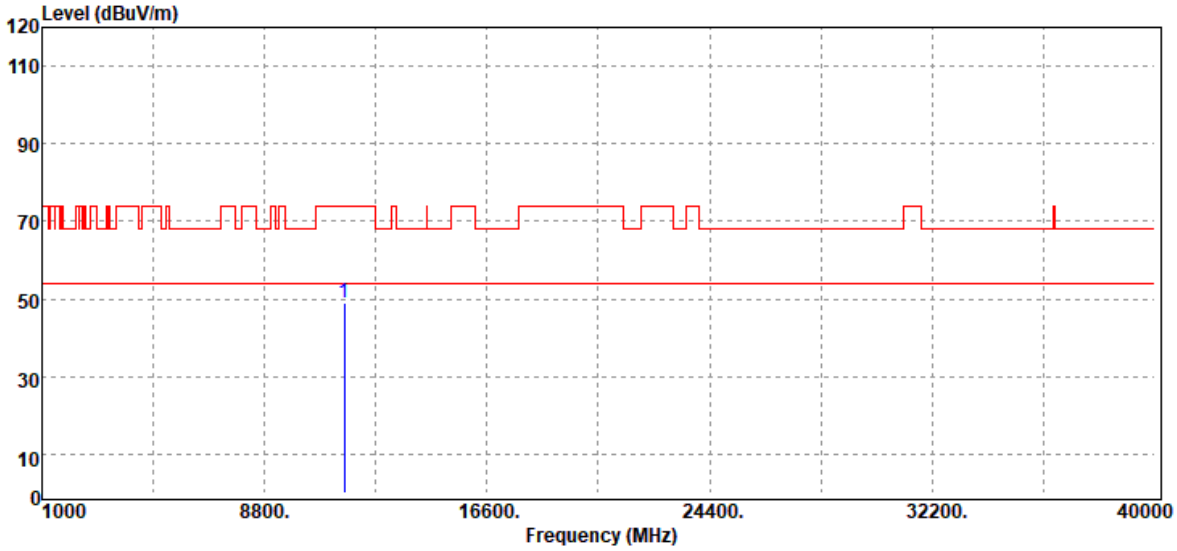


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11510.00	Peak	33.04	15.65	48.69	74.00	-25.31
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

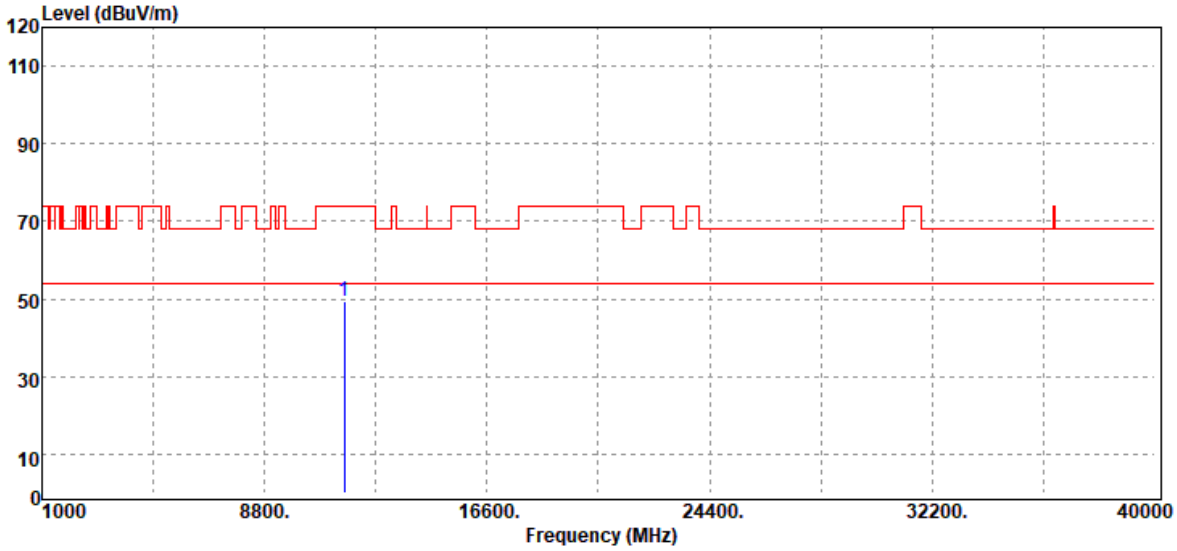


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11590.00	Peak	33.25	15.92	49.17	74.00	-24.83
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

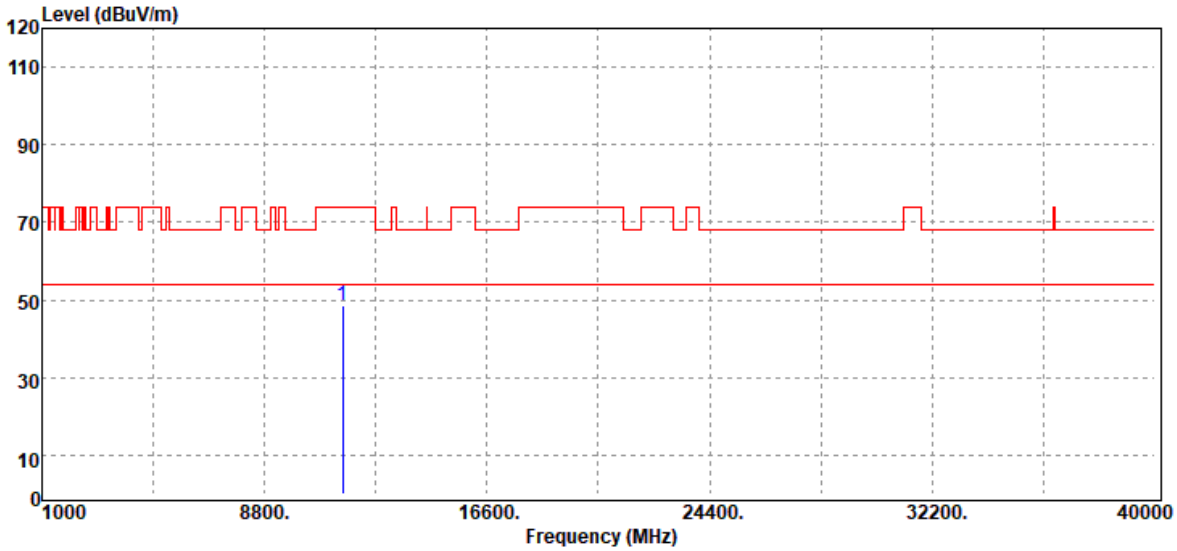


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11590.00	Peak	33.29	15.92	49.21	74.00	-24.79
N/A						

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.

Test Mode	IEEE 802.11ac VHT80/ 5775 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

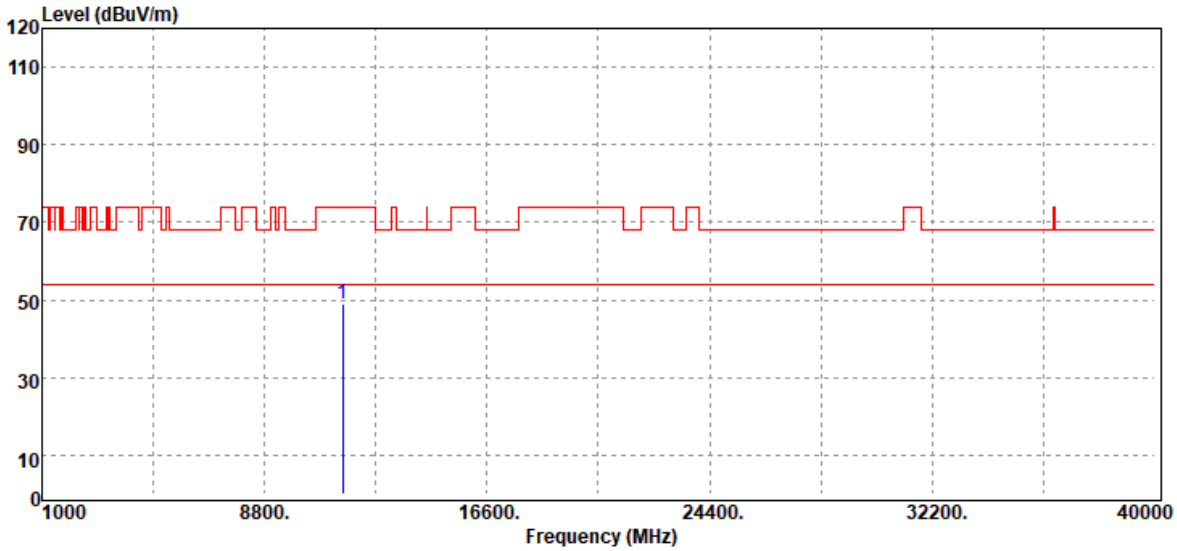


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11550.00	Peak	32.74	15.92	48.66	74.00	-25.34
N/A						

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.

Test Mode	IEEE 802.11ac VHT80/ 5775 MHz	Temp/Hum	24.5(℃)/ 40%RH
Test Item	Harmonic	Test Date	September 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
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
11550.00	Peak	33.23	15.92	49.15	74.00	-24.85
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.

4.6 FREQUENCY STABILITY

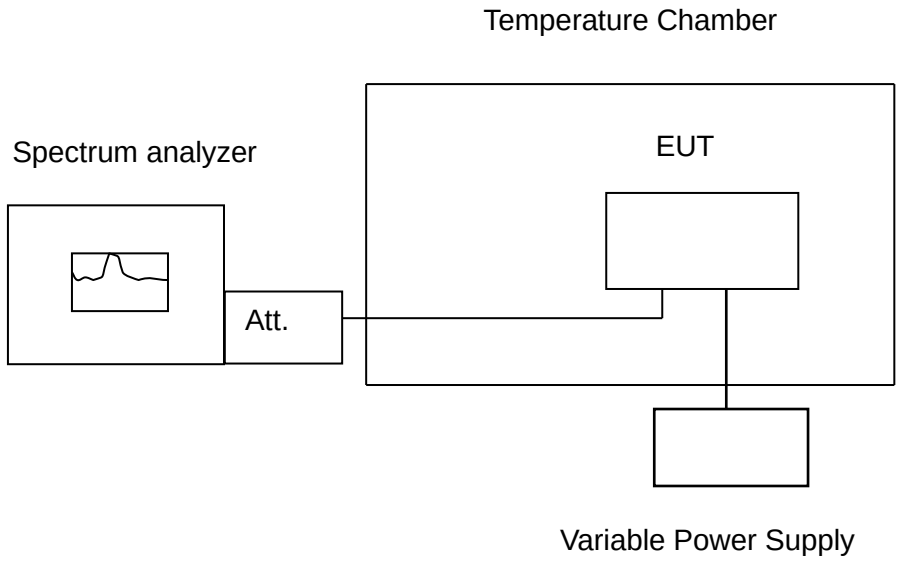
4.6.1 Test Limit

According to RSS-Gen(6.11) manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the operational description.

4.6.2 Test Procedure

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20℃ operating frequency as reference frequency. Turn EUT off and set the chamber temperature to 0ºC. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10ºC increased per stage until the highest temperature of +60ºC reached.

4.6.3 Test Setup



4.6.4 Test Result

Temperature: 25℃ **Humidity:** 50% RH

Tested by: Rick Lee **Test date:** October 22, 2020

Temp. (ºC)	Voltage (V)	Measured Frequency	5180		(MHz)	Limit				Result
		Time (min)				20ppm				
Operating Frequency:		0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min	
85	3.3	5179.96583	5179.96563	5179.96597	5179.96573	-3.8398	-3.6081	-3.5623	-3.5579	Pass
70	3.3	5179.97896	5179.97878	5179.97896	5179.97837	-1.3050	-1.0695	-1.0541	-1.1178	Pass
60	3.3	5179.97596	5179.97578	5179.97589	5179.97561	-1.8842	-1.6487	-1.6467	-1.6506	Pass
50	3.3	5179.97695	5179.97683	5179.97647	5179.97686	-1.6931	-1.4460	-1.5348	-1.4093	Pass
40	3.3	5179.98476	5179.98469	5179.98485	5179.98493	-0.1853	0.0714	0.0830	0.1486	Pass
30	3.3	5179.98486	5179.98486	5179.98472	5179.98481	-0.1660	0.1042	0.0579	0.1255	Pass
20	3.3	5179.98572	5179.98432	5179.98442	5179.98416	0.0000	0.0000	0.0000	0.0000	Pass
10	3.3	5179.98546	5179.98546	5179.98546	5179.98486	-0.0502	0.2201	0.2008	0.1351	Pass
0	3.3	5179.99259	5179.99273	5179.99259	5179.99259	1.3263	1.6236	1.5772	1.6274	Pass
-10	3.3	5179.99666	5179.99581	5179.99673	5179.99586	2.1120	2.2182	2.3765	2.2587	Pass
-20	3.3	5180.00432	5180.00512	5180.00512	5180.00572	3.5907	4.0155	3.9962	4.1622	Pass
-30	3.3	5180.00563	5180.00571	5180.00513	5180.00571	3.8436	4.1294	3.9981	4.1602	Pass
-40	3.3	5180.01638	5180.01642	5180.01663	5180.01673	5.9189	6.1969	6.2182	6.2877	Pass
Temp. (ºC)	Voltage (V)	Measured Frequency	5180		(MHz)	Limit				Result
		Time (min)				20ppm				
Operating Frequency:		0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min	
25	2.7	5179.99339	5179.99271	5179.99226	5179.99263	1.4807	1.6197	1.5135	1.6351	Pass
25	5.5	5179.99296	5179.99235	5179.99279	5179.99345	1.3977	1.5502	1.6158	1.7934	Pass

Temp. (ºC)	Voltage (V)	Measured Frequency	5260		(MHz)	Limit				Result
		Time (min)				20ppm				
Operating Frequency:		0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min	
85	3.3	5260.10022	5260.10064	5260.10121	5260.11330	7.0931	10.2813	10.0550	10.8516	Pass
70	3.3	5260.09921	5260.09949	5260.09980	5260.09997	6.9011	10.0626	9.7870	8.3174	Pass
60	3.3	5260.09435	5260.09440	5260.09453	5260.09458	5.9771	9.0950	8.7851	7.2927	Pass
50	3.3	5260.08112	5260.08154	5260.08161	5260.08203	3.4619	6.6501	6.3288	4.9068	Pass
40	3.3	5260.07653	5260.07653	5260.07653	5260.07653	2.5893	5.6977	5.3631	3.8612	Pass
30	3.3	5260.07896	5260.07896	5260.07896	5260.07896	3.0513	6.1596	5.8250	4.3231	Pass
20	3.3	5260.06291	5260.04656	5260.04832	5260.05622	0.0000	0.0000	0.0000	0.0000	Pass
10	3.3	5260.06256	5260.04622	5260.04772	5260.05532	-0.0663	-0.0646	-0.1141	-0.1711	Pass
0	3.3	5260.04913	5260.04523	5260.03245	5260.02952	-2.6197	-0.2528	-3.0171	-5.0760	Pass
-10	3.3	5260.02862	5260.02852	5260.02891	5260.02953	-6.5189	-3.4296	-3.6901	-5.0741	Pass
-20	3.3	5260.02874	5260.02833	5260.02676	5260.02432	-6.4961	-3.4657	-4.0988	-6.0646	Pass
-30	3.3	5260.01673	5260.01567	5260.01629	5260.01864	-8.7794	-5.8726	-6.0893	-7.1452	Pass
-40	3.3	5260.01948	5260.01828	5260.01548	5260.01213	-8.2566	-5.3764	-6.2433	-8.3820	Pass
Temp. (ºC)	Voltage (V)	Measured Frequency	5260		(MHz)	Limit				Result
		Time (min)				20ppm				
Operating Frequency:		0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min	
25	2.7	5260.04833	5260.04548	5260.03269	5260.02819	-2.7718	-0.2053	-2.9715	-5.3288	Pass
25	5.5	5260.04710	5260.04452	5260.03298	5260.02856	-3.0057	-0.3878	-2.9163	-5.2585	Pass

Temp. (°C)	Voltage (V)	Measured Frequency	5500		(MHz)	Limit				Result
		Time (min)				20ppm				
Operating Frequency:		0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min	
85	3.3	5500.16029	5500.16159	5500.16222	5500.16317	10.8253	10.9562	11.0453	11.0671	Pass
70	3.3	5500.14923	5500.15021	5500.15337	5500.15969	8.8144	8.8871	9.4362	10.4344	Pass
60	3.3	5500.12125	5500.12367	5500.12599	5500.13112	3.7272	4.0617	4.4581	5.2399	Pass
50	3.3	5500.11702	5500.11754	5500.11798	5500.11809	2.9581	2.9472	3.0018	2.8709	Pass
40	3.3	5500.11463	5500.11496	5500.11523	5500.11664	2.5236	2.4781	2.5018	2.6072	Pass
30	3.3	5500.10329	5500.10375	5500.10233	5500.10265	0.4618	0.4393	0.1557	0.0644	Pass
20	3.3	5500.10075	5500.10133	5500.10147	5500.1023	0.0000	0.0000	0.0000	0.0000	Pass
10	3.3	5500.10485	5500.10458	5500.10857	5500.10485	0.7446	0.5901	1.2907	0.4639	Pass
0	3.3	5500.07698	5500.07134	5500.07698	5500.07965	-4.3217	-5.4526	-4.4526	-4.1179	Pass
-10	3.3	5500.06352	5500.06352	5500.06789	5500.06352	-6.7690	-6.8744	-6.1055	-7.0508	Pass
-20	3.3	5500.05130	5500.05179	5500.05791	5500.05385	-8.9911	-9.0067	-7.9195	-8.8086	Pass
-30	3.3	5500.04893	5500.04648	5500.04785	5500.04742	-9.4216	-9.9725	-9.7489	-9.9780	Pass
-40	3.3	5500.03463	5500.03463	5500.03364	5500.03576	-12.0216	-12.1270	-12.3325	-12.0980	Pass
Temp. (°C)	Voltage (V)	Measured Frequency	5500		(MHz)	Limit				Result
		Time (min)				20ppm				
Operating Frequency:		0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min	
25	2.7	5500.08560	5500.07523	5500.07742	5500.08634	-2.7545	-4.7454	-4.3726	-2.9018	Pass
25	5.5	5500.07134	5500.08453	5500.07731	5500.07567	-5.3472	-3.0545	-4.3926	-4.8417	Pass

Temp. (°C)	Voltage (V)	Measured Frequency	5700		(MHz)	Limit				Result
		Time (min)				20ppm				
Operating Frequency:		0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min	
85	3.3	5745.14072	5745.14082	5745.14259	5745.14521	9.7771	9.7945	9.9494	10.2174	Pass
70	3.3	5745.13549	5745.13588	5745.13559	5745.13925	8.8667	8.9346	8.7316	9.1800	Pass
60	3.3	5745.12132	5745.12235	5745.12364	5745.12546	6.4003	6.5795	6.6509	6.7797	Pass
50	3.3	5745.11963	5745.11879	5745.11496	5745.11541	6.1061	5.9599	5.1400	5.0304	Pass
40	3.3	5745.10562	5745.10649	5745.10572	5745.10651	3.6675	3.8187	3.5317	3.4812	Pass
30	3.3	5745.09640	5745.09456	5745.09640	5745.09975	2.0626	1.7424	1.9095	2.3046	Pass
20	3.3	5745.08455	5745.08455	5745.08543	5745.08651	0.0000	0.0000	0.0000	0.0000	Pass
10	3.3	5745.08434	5745.08491	5745.08575	5745.08491	-0.0366	0.0627	0.0557	-0.2785	Pass
0	3.3	5745.07023	5745.07319	5745.07154	5745.07945	-2.4924	-1.9780	-2.4184	-1.2287	Pass
-10	3.3	5745.05153	5745.05123	5745.05979	5745.05059	-5.7473	-5.7995	-4.4631	-6.2525	Pass
-20	3.3	5745.03487	5745.03312	5745.03312	5745.03312	-8.6466	-8.9516	-9.1048	-9.2928	Pass
-30	3.3	5745.02630	5745.01963	5745.01863	5745.03240	-10.1391	-11.3001	-11.6273	-9.4185	Pass
-40	3.3	5745.01690	5745.01475	5745.02143	5745.03216	-11.7753	-12.1495	-11.1400	-9.4603	Pass
Temp. (°C)	Voltage (V)	Measured Frequency	5700		(MHz)	Limit				Result
		Time (min)				20ppm				
Operating Frequency:		0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min	
25	2.7	5745.07852	5745.07852	5745.07234	5745.07023	-1.0496	-1.0496	-2.2785	-2.8336	Pass
25	5.5	5745.07852	5745.07234	5745.07234	5745.07852	-1.0496	-2.1253	-2.2785	-1.3908	Pass

- End of Test Report -