

4.5 RADIATION Bandedge and Spurious Emission

4.5.1 Test Limit

FCC according to §15.407, §15.209 and §15.205,

Below 30 MHz

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

Above 30 MHz

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

UNII-1 :

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

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:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

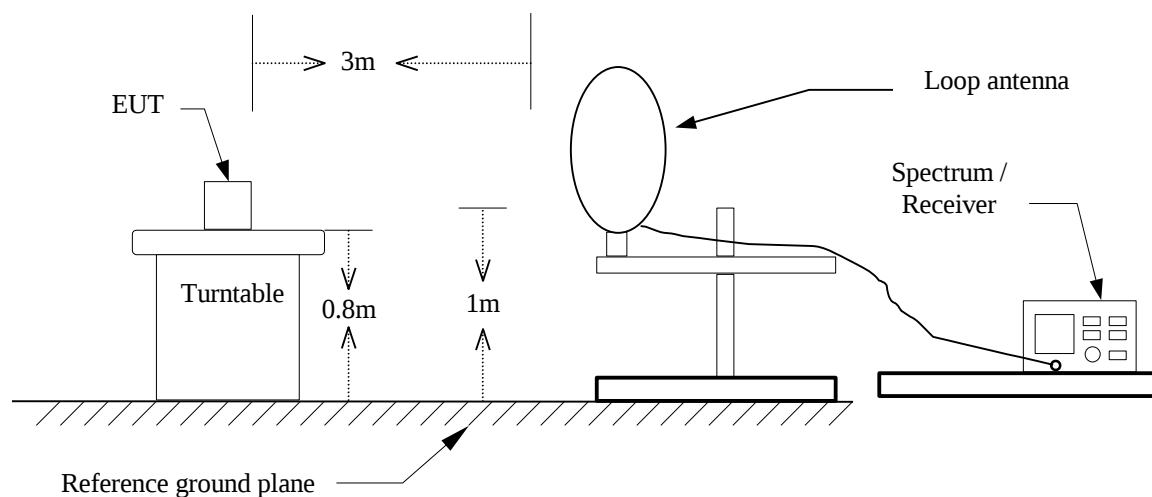
4.5.2 Test Procedure

Test method Refer as KDB 789033 D02.

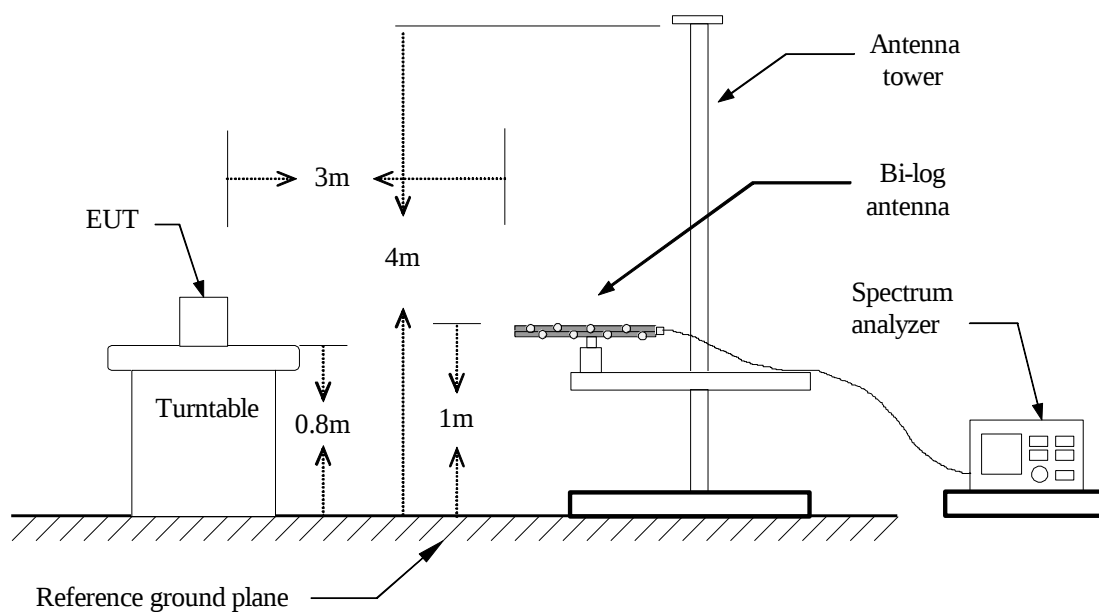
1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And 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 $\geq 3 \times$ RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2) Above 1G :
 - (2.1) For Peak measurement : RBW = 1MHz, VBW $\geq 3 \times$ RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2.2) For Average measurement : RBW = 1MHz, VBW
 - If Duty Cycle $\geq 98\%$, VBW=10Hz.
 - If Duty Cycle $< 98\%$, VBW=1/T.

4.5.3 Test Setup

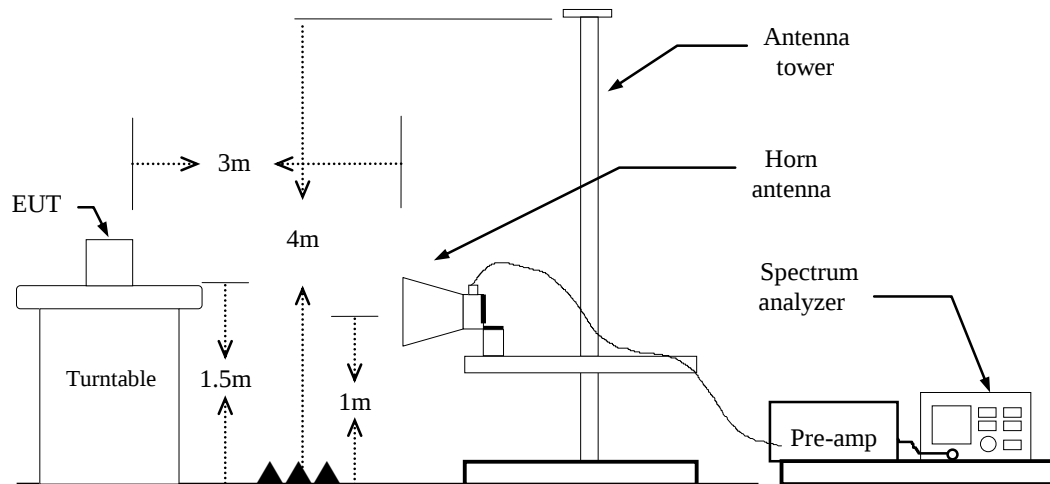
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz

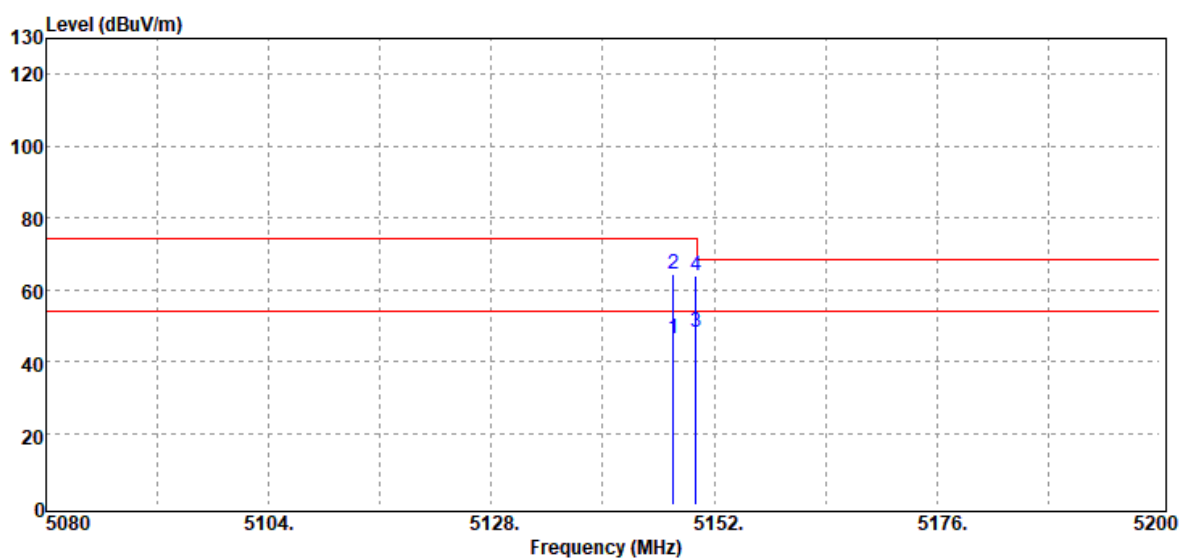


4.5.4 Test Result

Band Edge Test Data

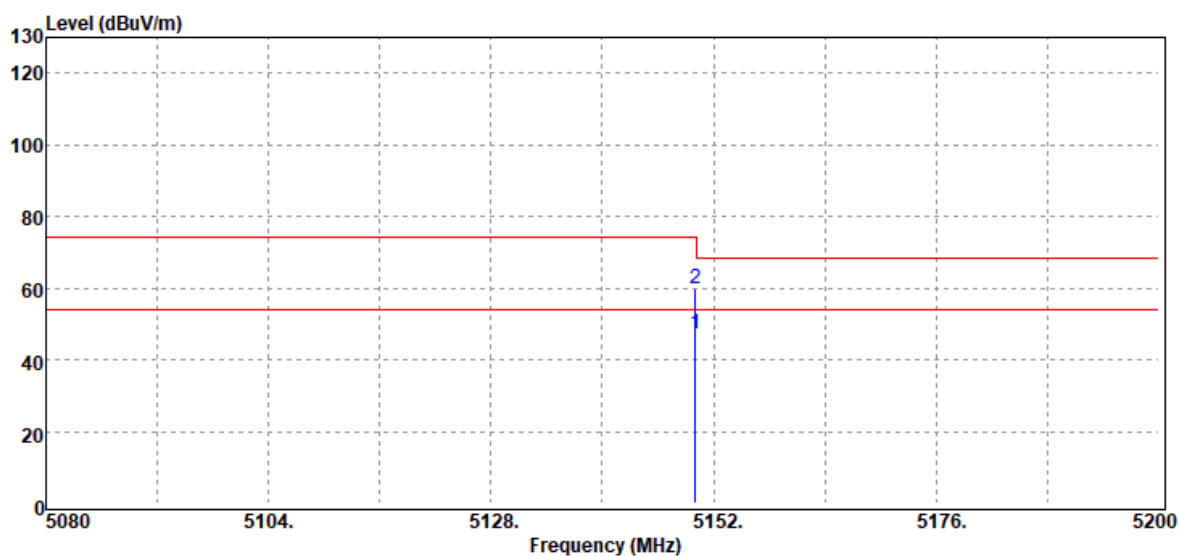
Test Data for UNII-1

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and Average		



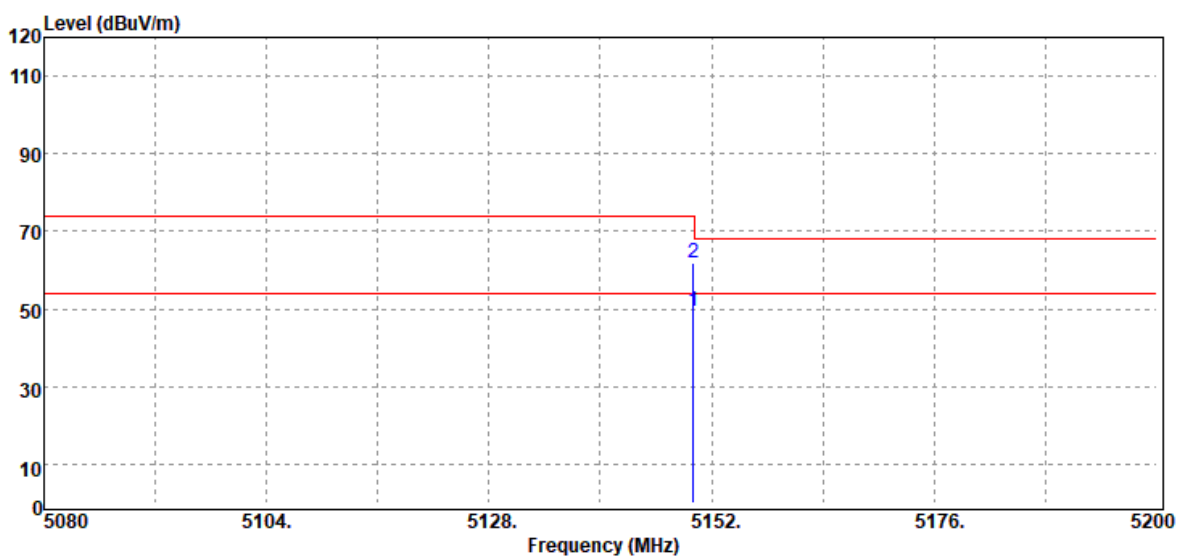
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5147.56	Average	40.86	5.57	46.43	54.00	-7.57
5147.56	Peak	58.89	5.57	64.46	74.00	-9.54
5150.00	Average	42.53	5.58	48.11	54.00	-5.89
5150.00	Peak	58.13	5.58	63.71	74.00	-10.29

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	41.81	5.58	47.39	54.00	-6.61
5150.00	Peak	54.11	5.58	59.69	74.00	-14.31

Test Mode	IEEE 802.11n 20 MHz / 5180MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and 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	Average	44.02	5.58	49.60	54.00	-4.40
5150.00	Peak	56.28	5.58	61.86	74.00	-12.14

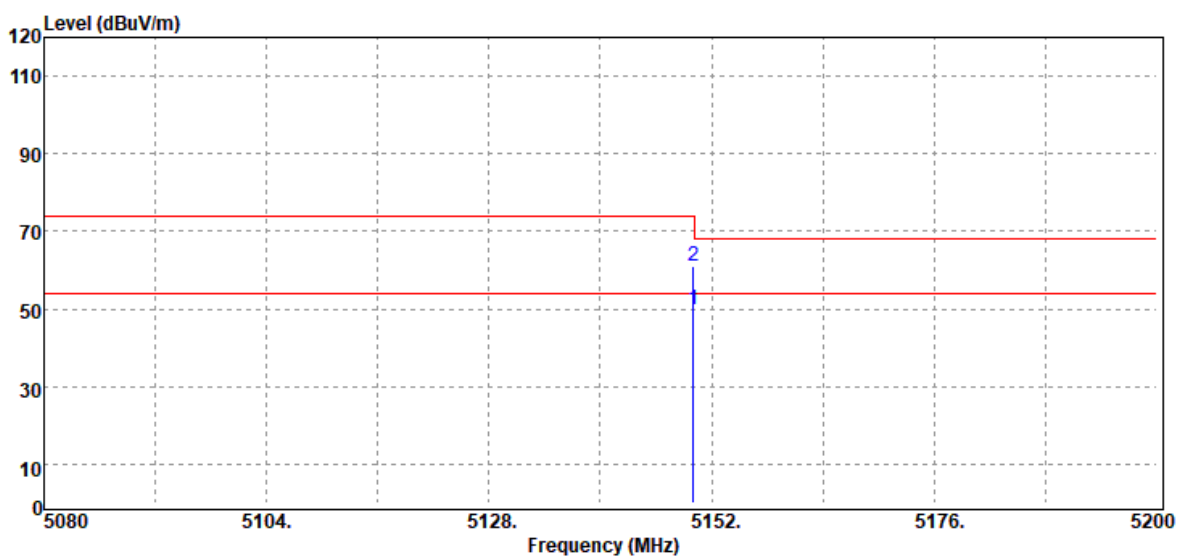


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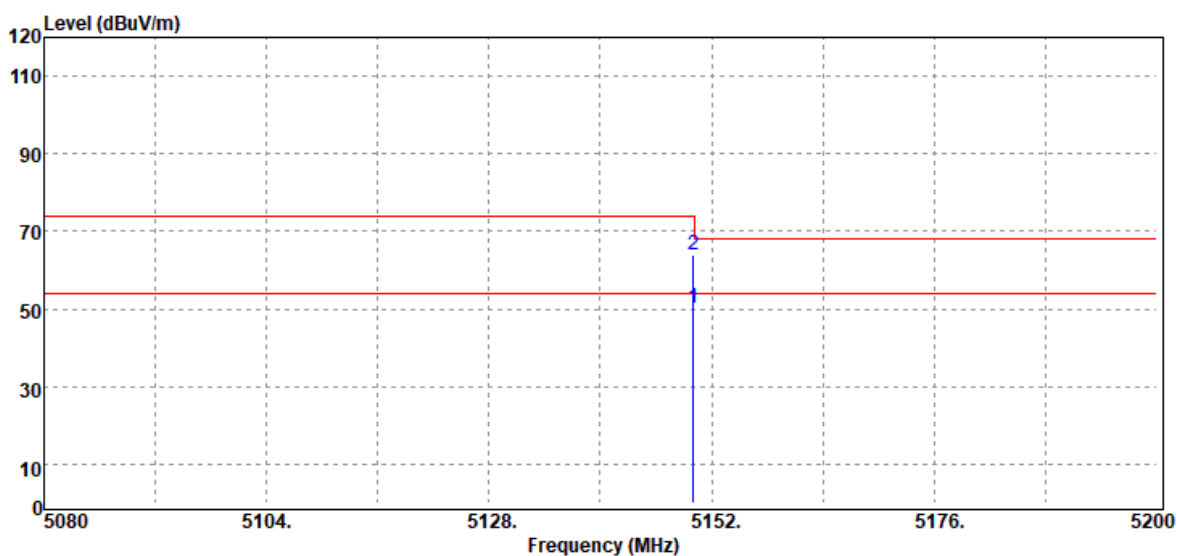
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Test Mode	IEEE 802.11n 20 MHz / 5180MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and Average		



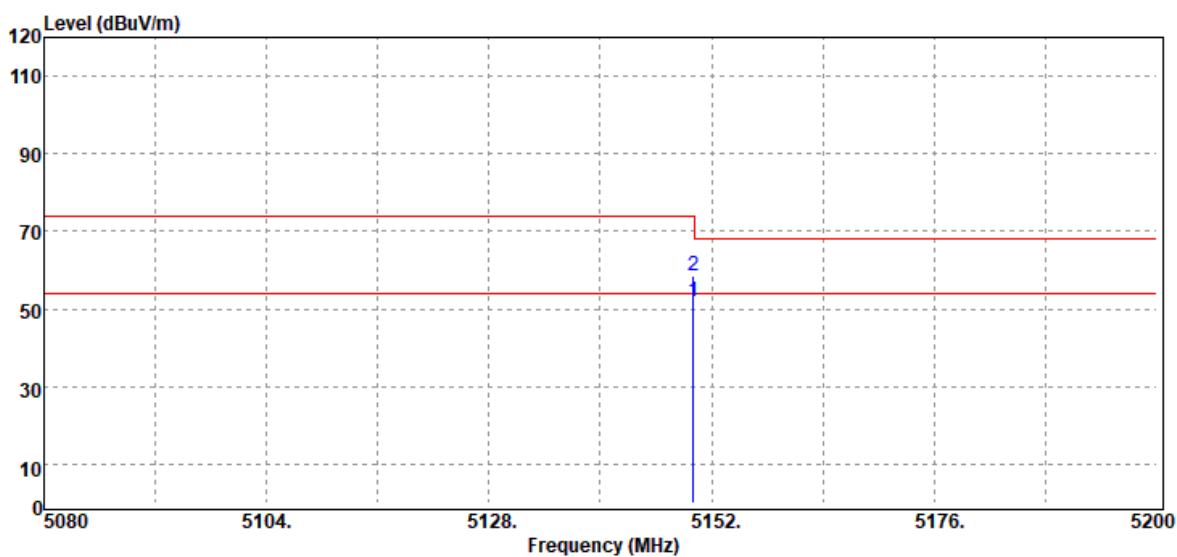
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	44.21	5.58	49.79	54.00	-4.21
5150.00	Peak	55.47	5.58	61.05	74.00	-12.95

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak and Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	44.85	5.58	50.43	54.00	-3.57
5150.00	Peak	58.21	5.58	63.79	74.00	-10.21

Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and 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	Average	46.39	5.58	51.97	54.00	-2.03
5150.00	Peak	52.91	5.58	58.49	74.00	-15.51

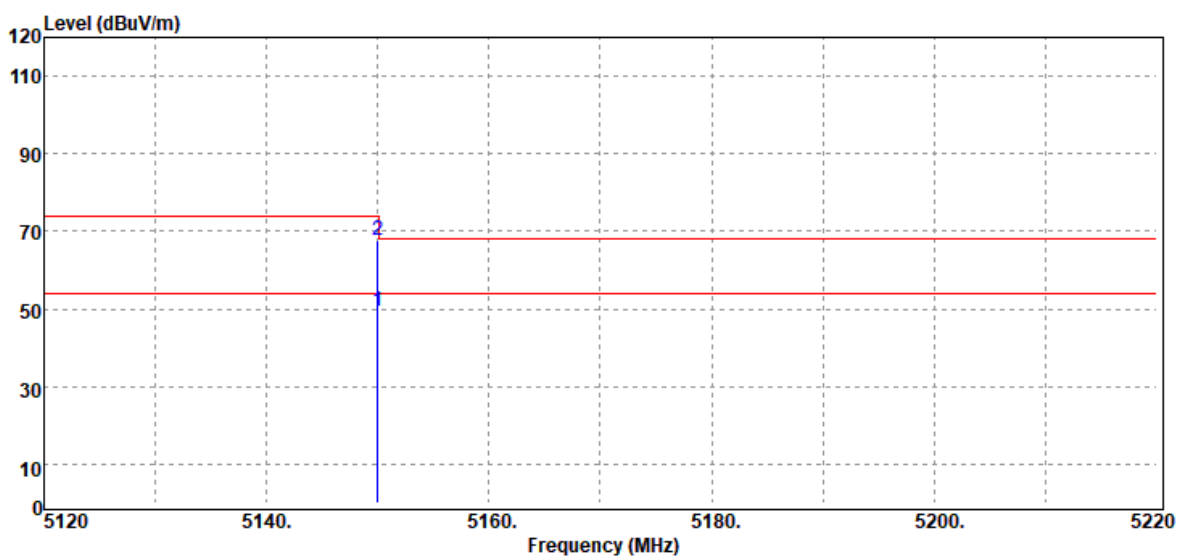


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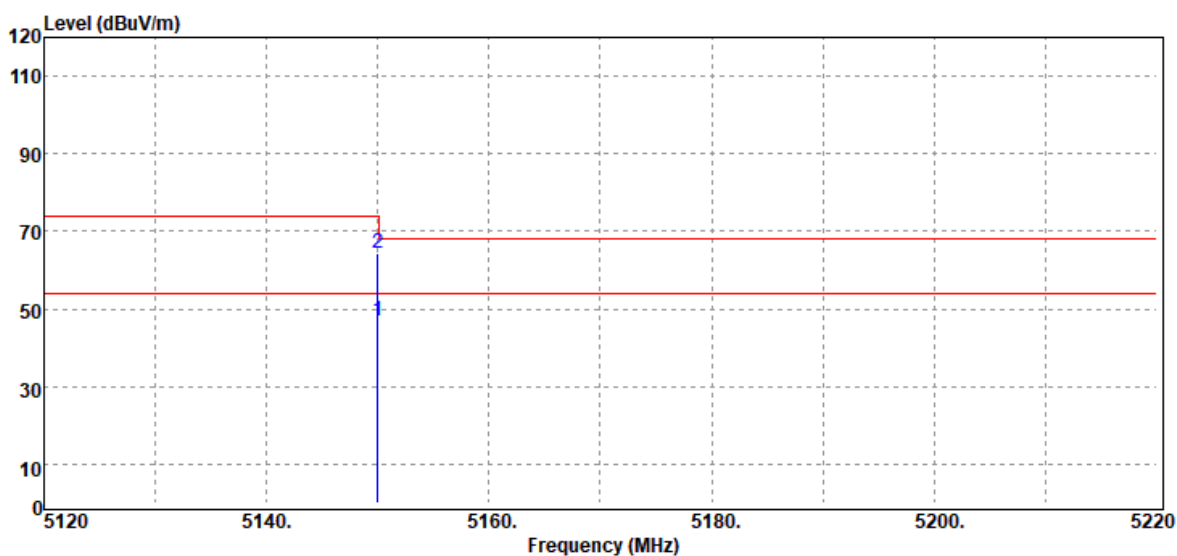
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Test Mode	IEEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	43.67	5.58	49.25	54.00	-4.75
5150.00	Peak	61.94	5.58	67.52	74.00	-6.48

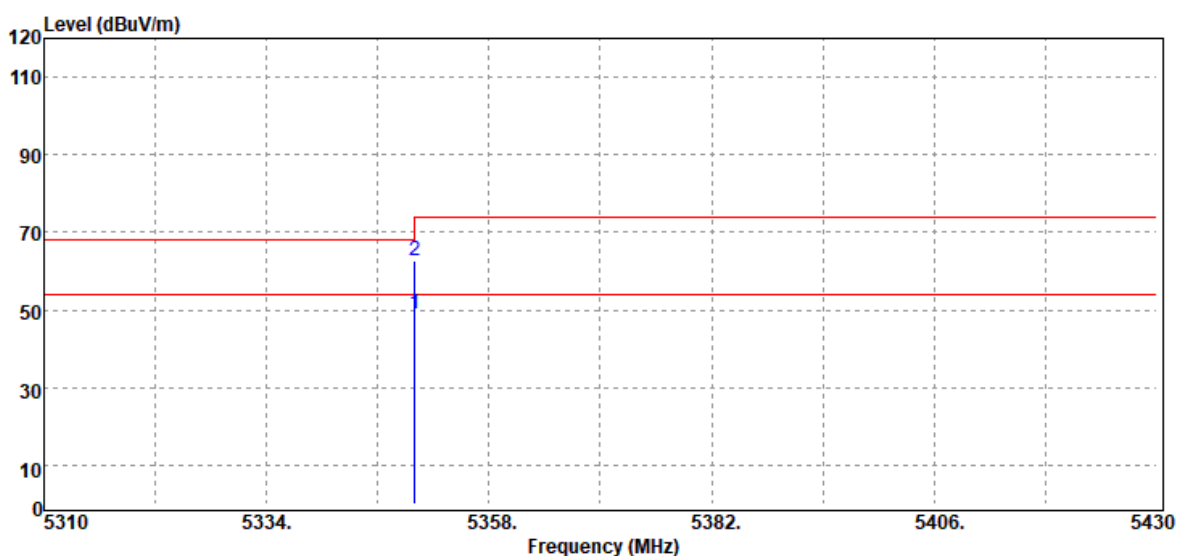
Test Mode	IEEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak and Average		



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	Average	41.16	5.58	46.74	54.00	-7.26
5150.00	Peak	58.99	5.58	64.57	74.00	-9.43

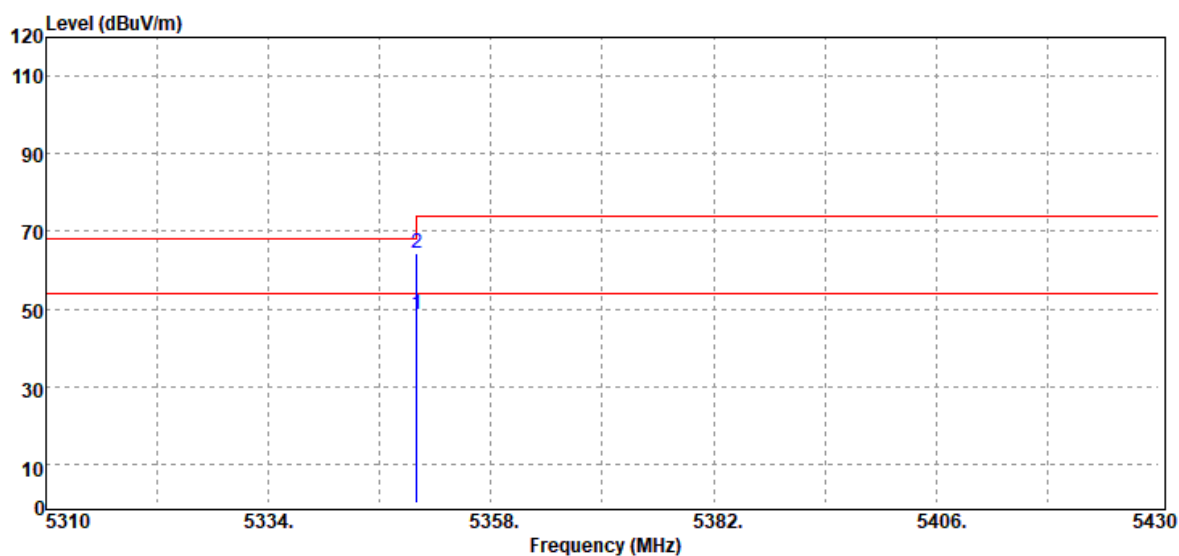
Test Data for UNII-2a

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and 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	Average	43.17	5.82	48.99	54.00	-5.01
5350.00	Peak	57.06	5.82	62.88	74.00	-11.12

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak and 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	Average	42.87	5.82	48.69	54.00	-5.31
5350.00	Peak	58.73	5.82	64.55	74.00	-9.45

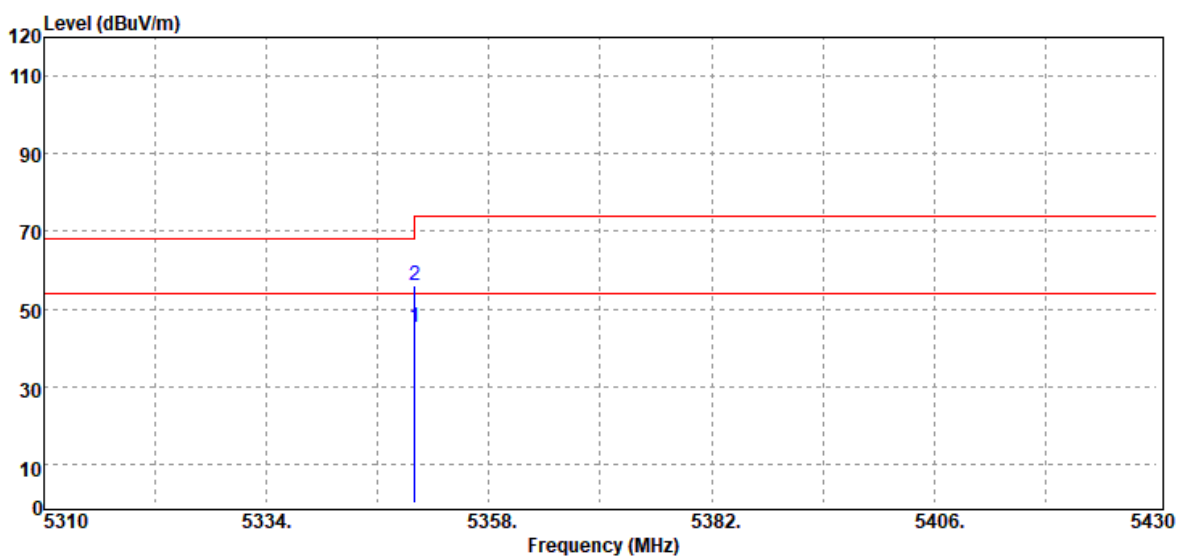


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Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	39.63	5.82	45.45	54.00	-8.55
5350.00	Peak	50.36	5.82	56.18	74.00	-17.82

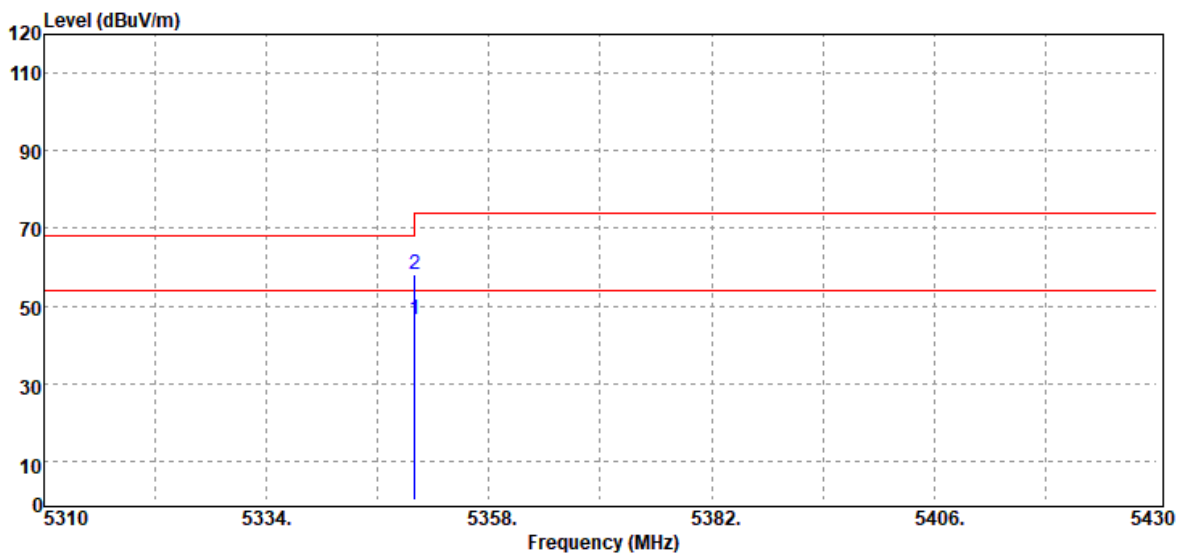


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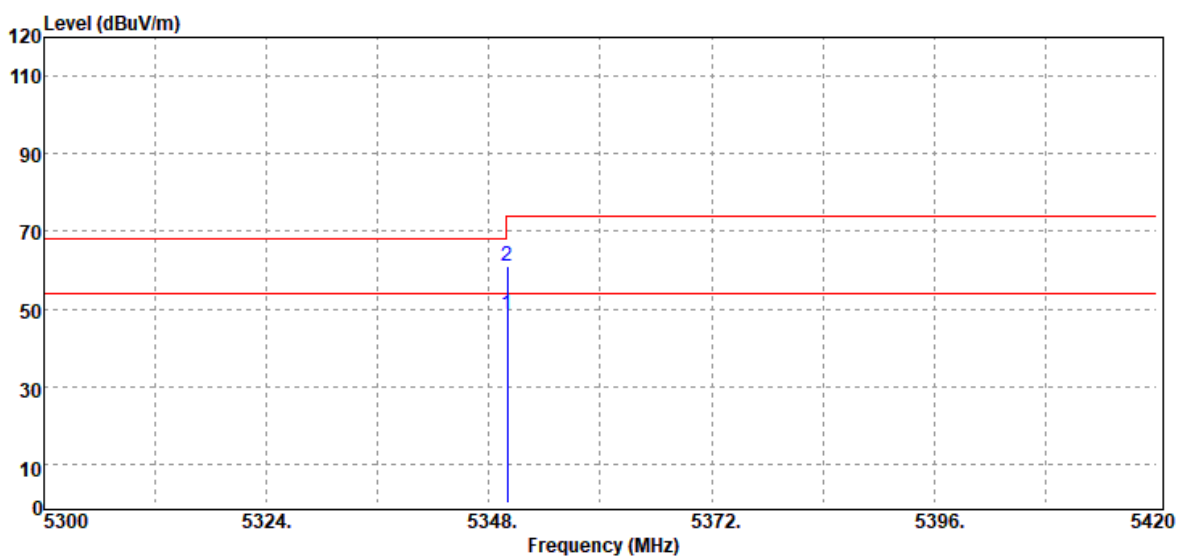
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Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak and Average		



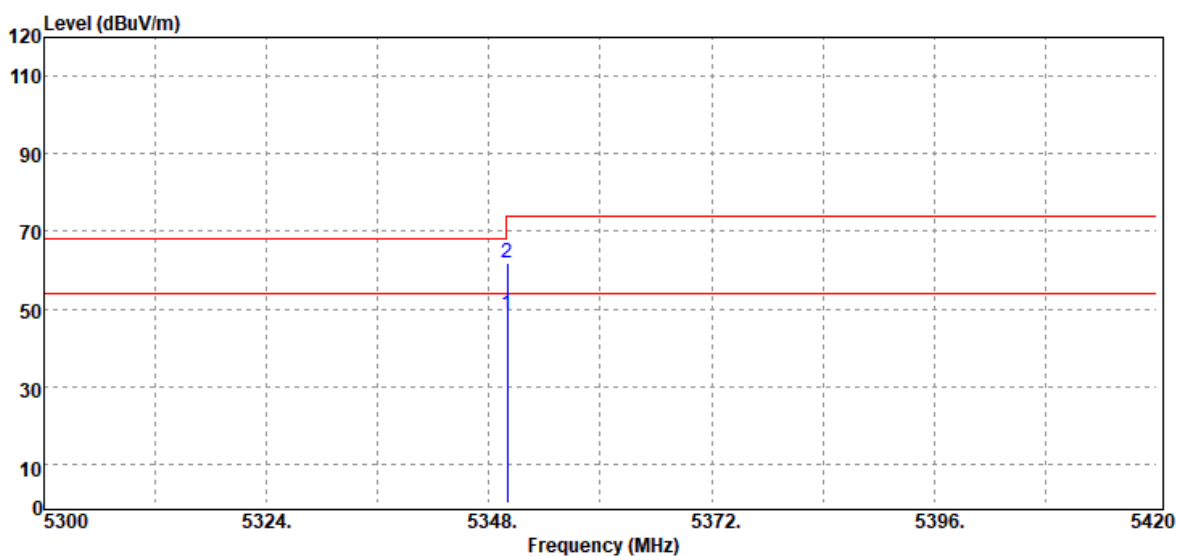
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.00	Average	40.58	5.82	46.40	54.00	-7.60
5350.00	Peak	52.34	5.82	58.16	74.00	-15.84

Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and Average		



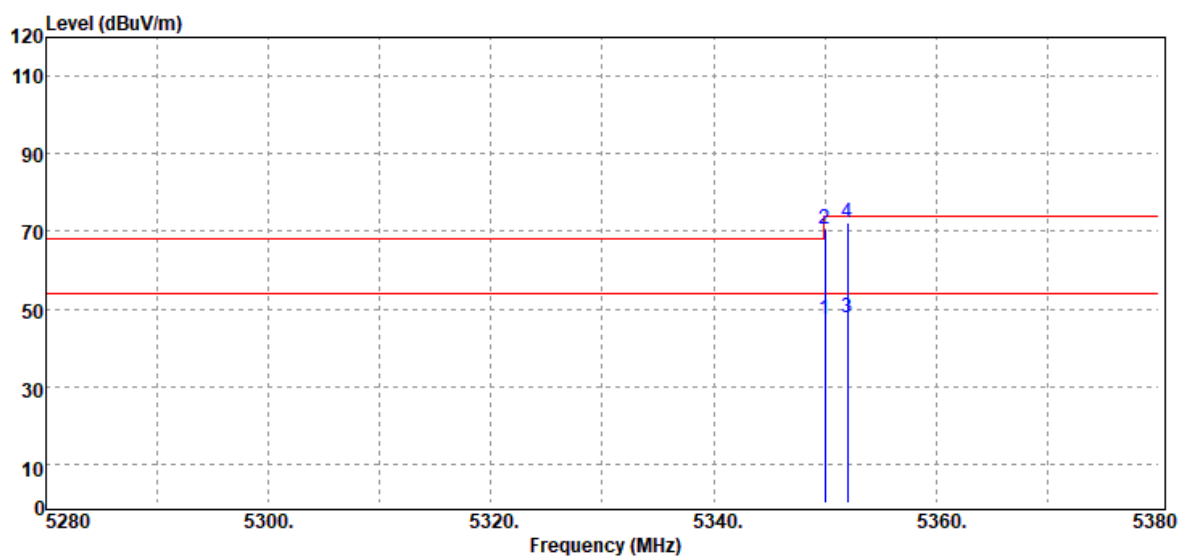
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.00	Average	42.69	5.82	48.51	54.00	-5.49
5350.00	Peak	55.32	5.82	61.14	74.00	-12.86

Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak and Average		



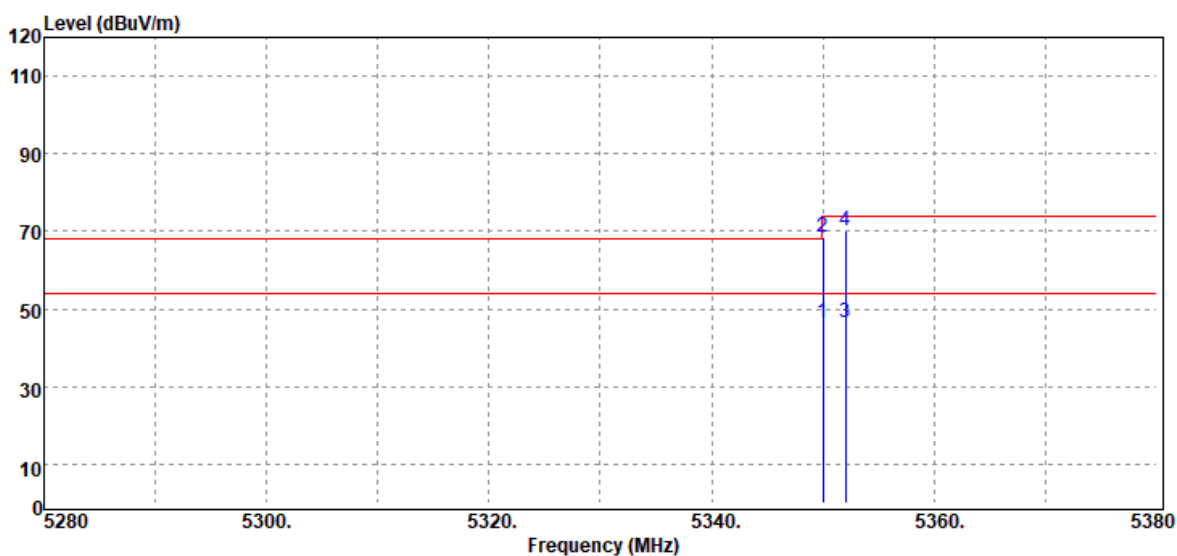
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.00	Average	42.83	5.82	48.65	54.00	-5.35
5350.00	Peak	56.03	5.82	61.85	74.00	-12.15

Test Mode	IEEE 802.11ac VHT80 / 5290MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and 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	Average	41.64	5.82	47.46	54.00	-6.54
5350.00	Peak	64.58	5.82	70.40	74.00	-3.60
5352.00	Average	41.91	5.83	47.74	54.00	-6.26
5352.00	Peak	66.55	5.83	72.38	74.00	-1.62

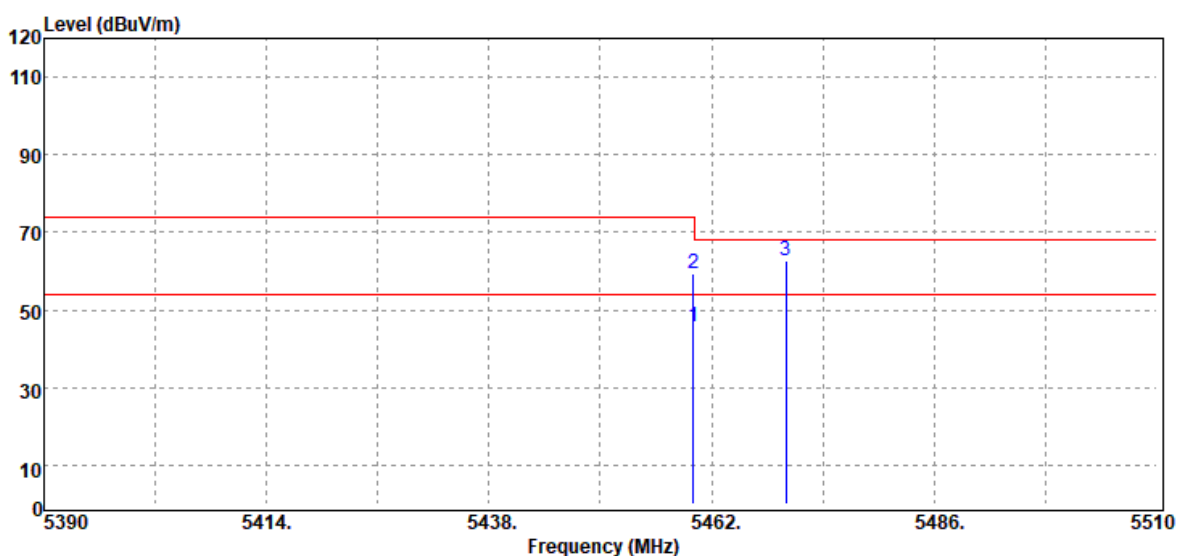
Test Mode	IEEE 802.11ac VHT80 / 5290MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak and Average		



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	Average	40.63	5.82	46.45	54.00	-7.55
5350.00	Peak	62.54	5.82	68.36	74.00	-5.64
5352.00	Average	40.56	5.83	46.39	54.00	-7.61
5352.00	Peak	64.20	5.83	70.03	74.00	-3.97

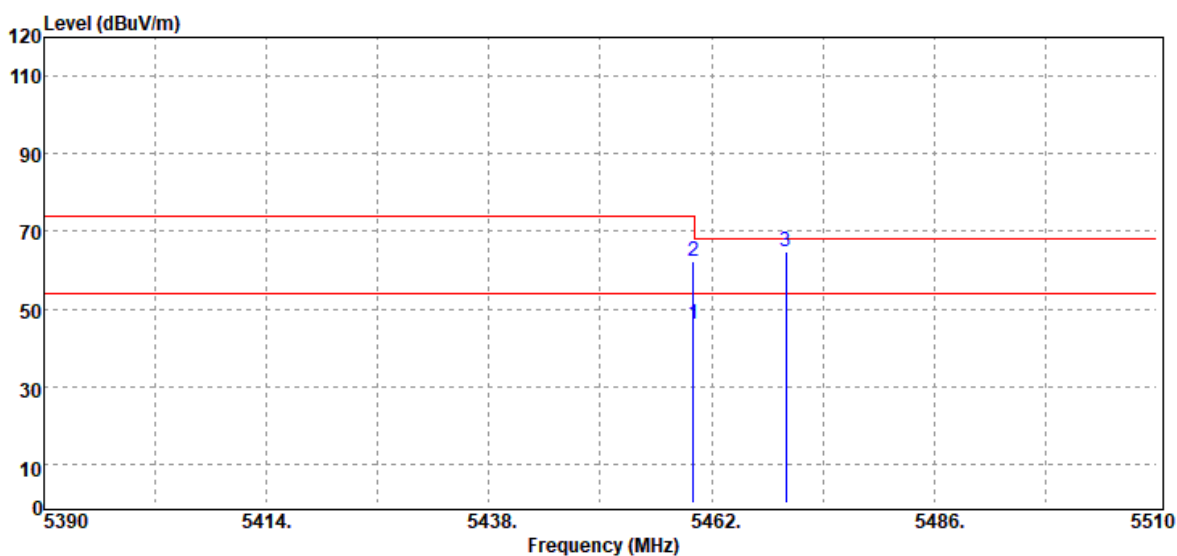
Test Data for UNII-2c

Test Mode	IEEE 802.11a / 5500MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and Average		



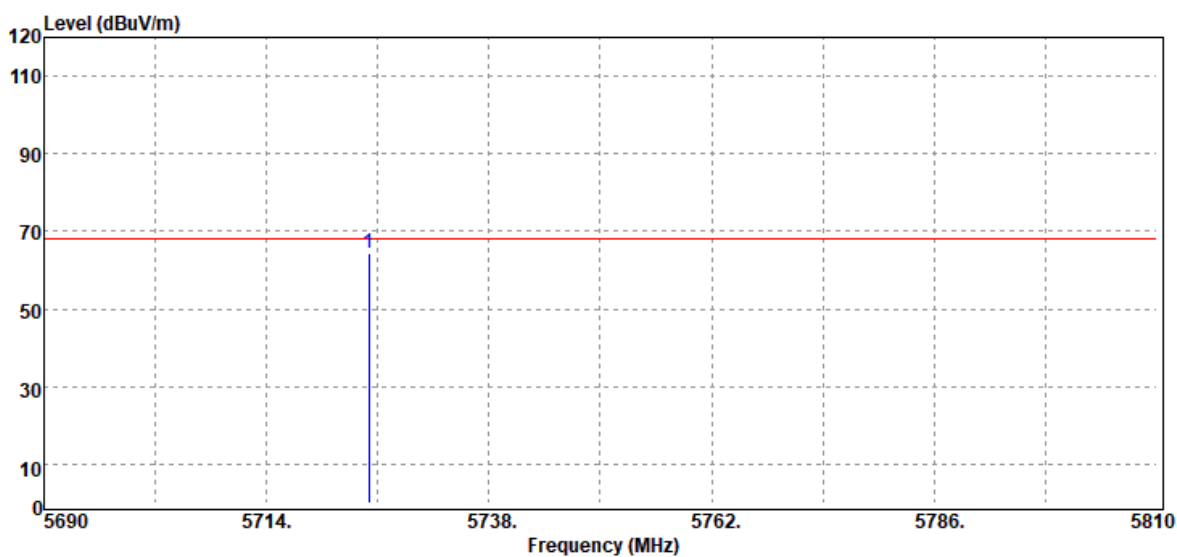
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5460.00	Average	39.67	6.11	45.78	54.00	-8.22
5460.00	Peak	53.38	6.11	59.49	74.00	-14.51
5470.00	Peak	56.49	6.14	62.63	68.20	-5.57

Test Mode	IEEE 802.11a / 5500MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak and Average		



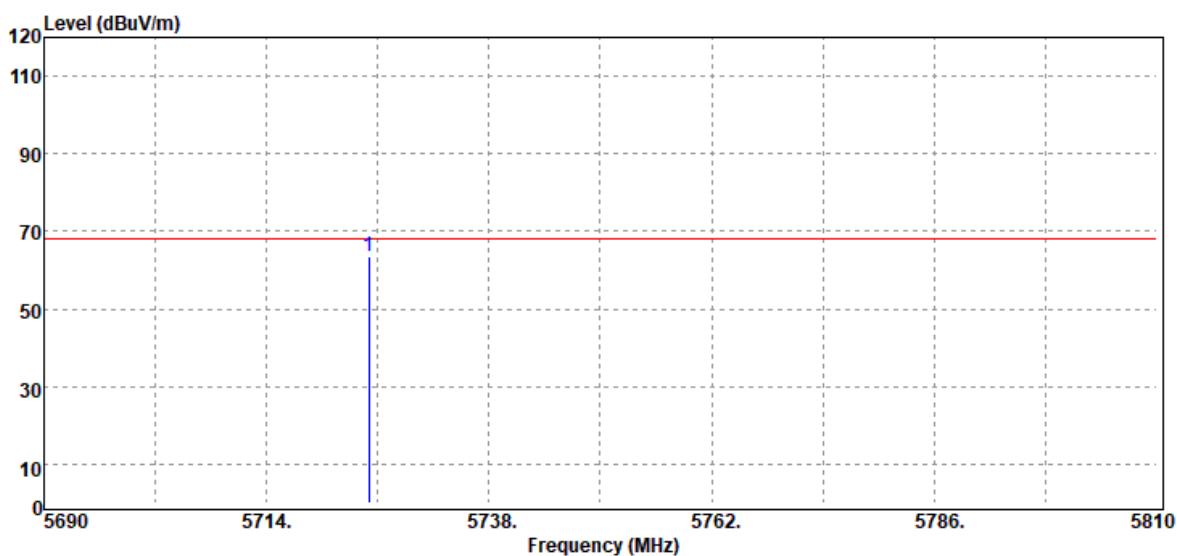
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5460.00	Average	39.96	6.11	46.07	54.00	-7.93
5460.00	Peak	56.21	6.11	62.32	74.00	-11.68
5470.00	Peak	58.64	6.14	64.78	68.20	-3.42

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



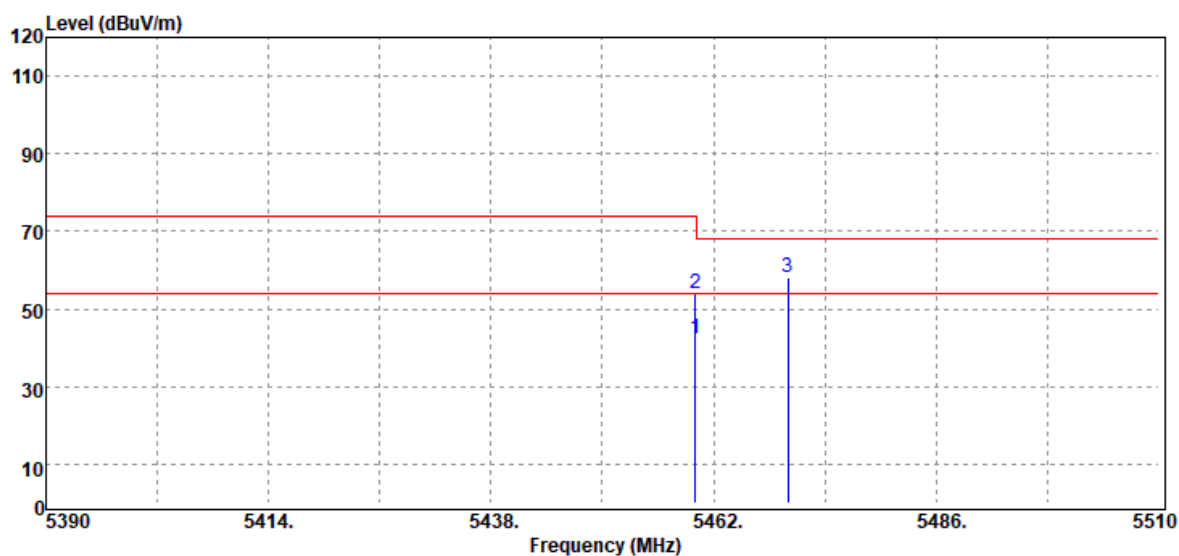
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	Peak	57.29	6.98	64.27	68.20	-3.93

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



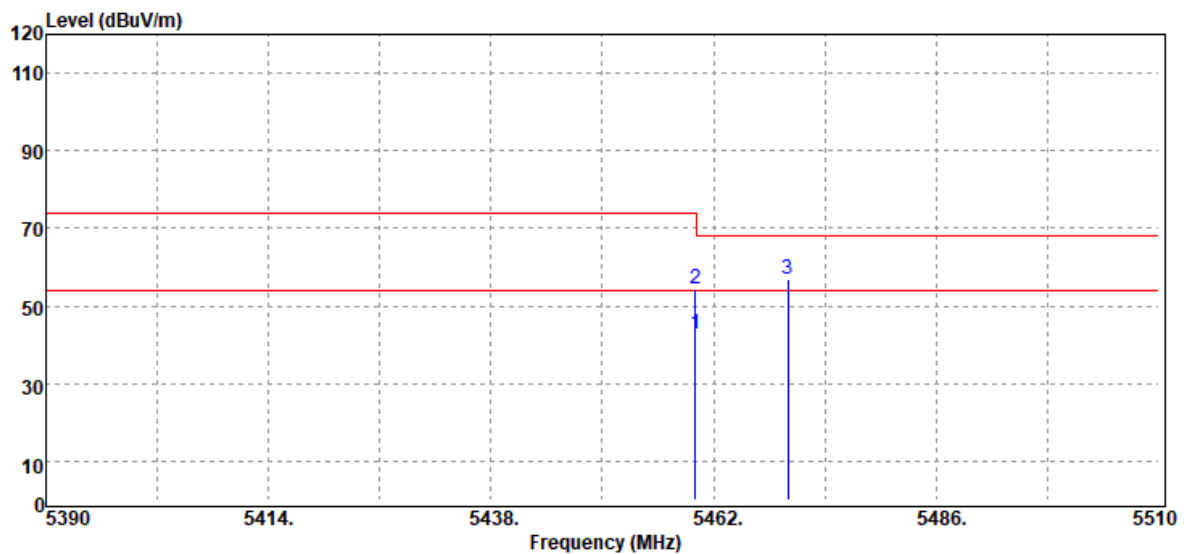
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	Peak	56.50	6.98	63.48	68.20	-4.72

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and 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	Average	36.45	6.11	42.56	54.00	-11.44
5460.00	Peak	48.00	6.11	54.11	74.00	-19.89
5470.00	Peak	51.79	6.14	57.93	68.20	-10.27

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak and 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	Average	36.55	6.11	42.66	54.00	-11.34
5460.00	Peak	48.10	6.11	54.21	74.00	-19.79
5470.00	Peak	50.93	6.14	57.07	68.20	-11.13

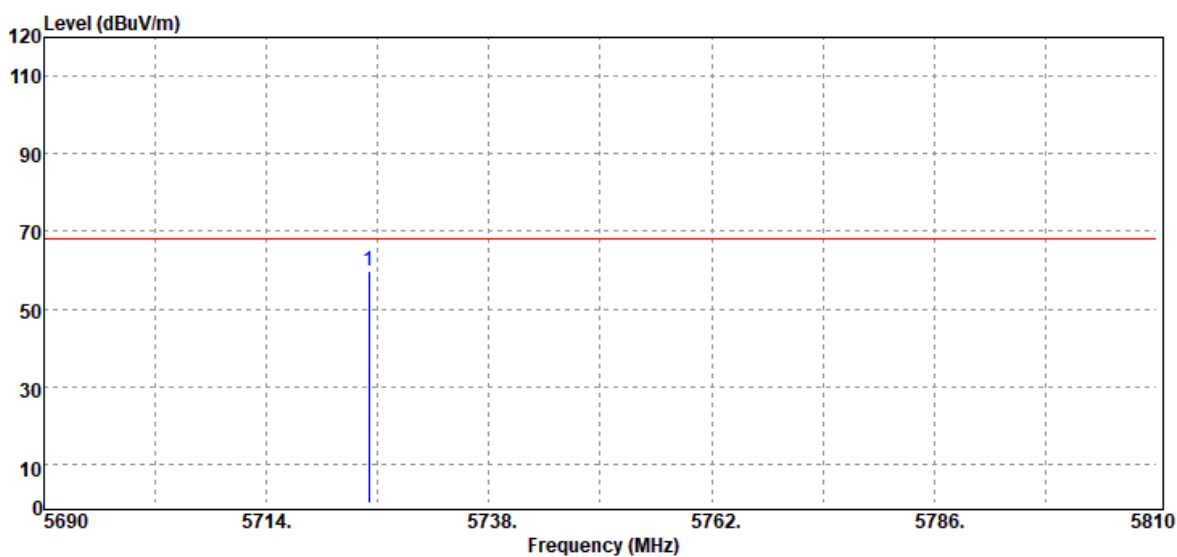


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Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temperature	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



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	52.92	6.98	59.90	68.20	-8.30

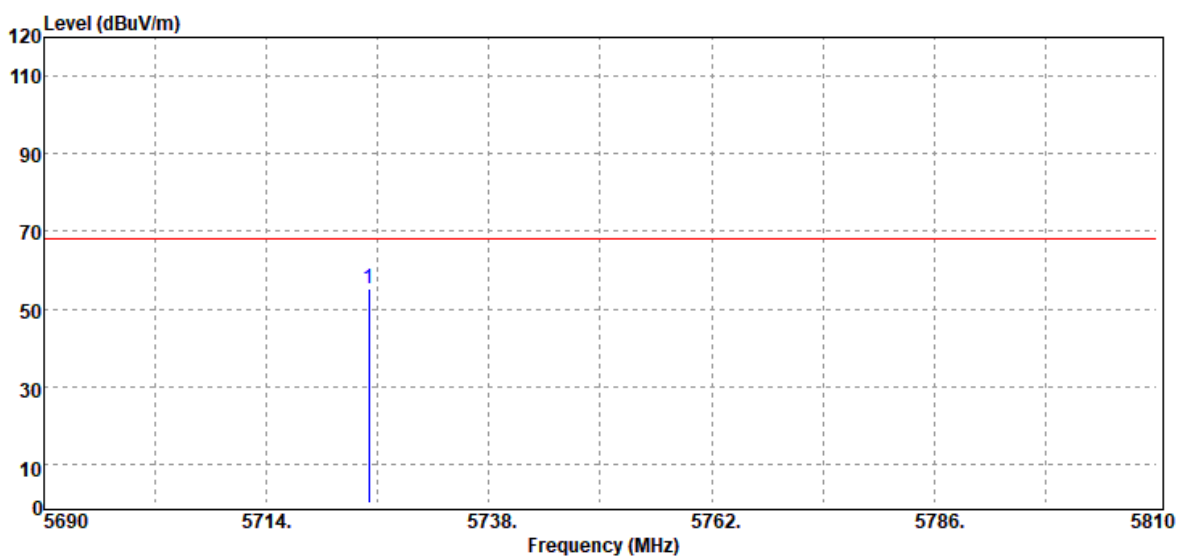


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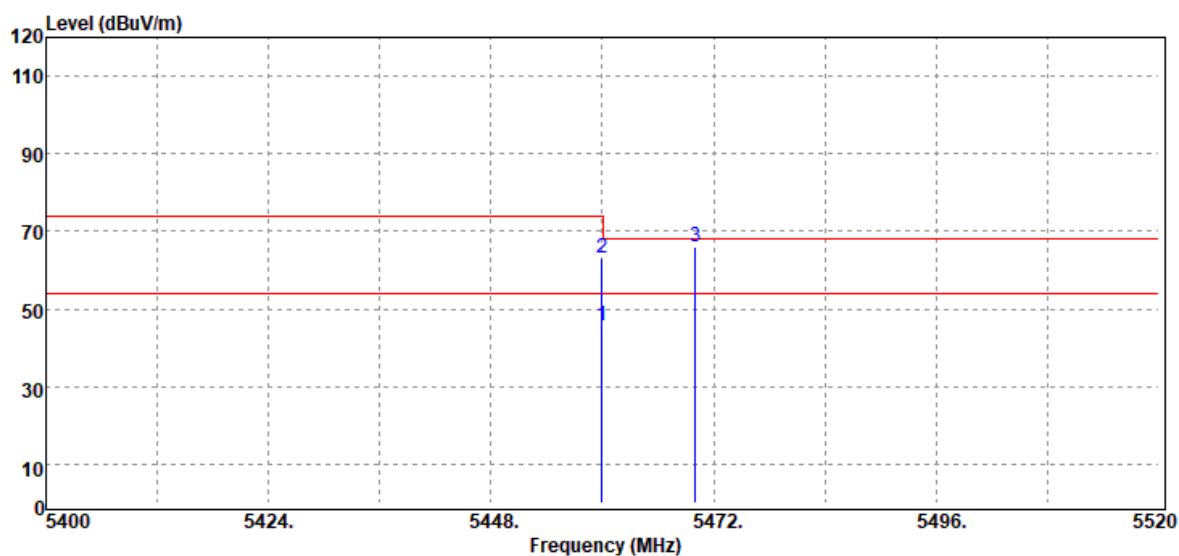
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Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temperature	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



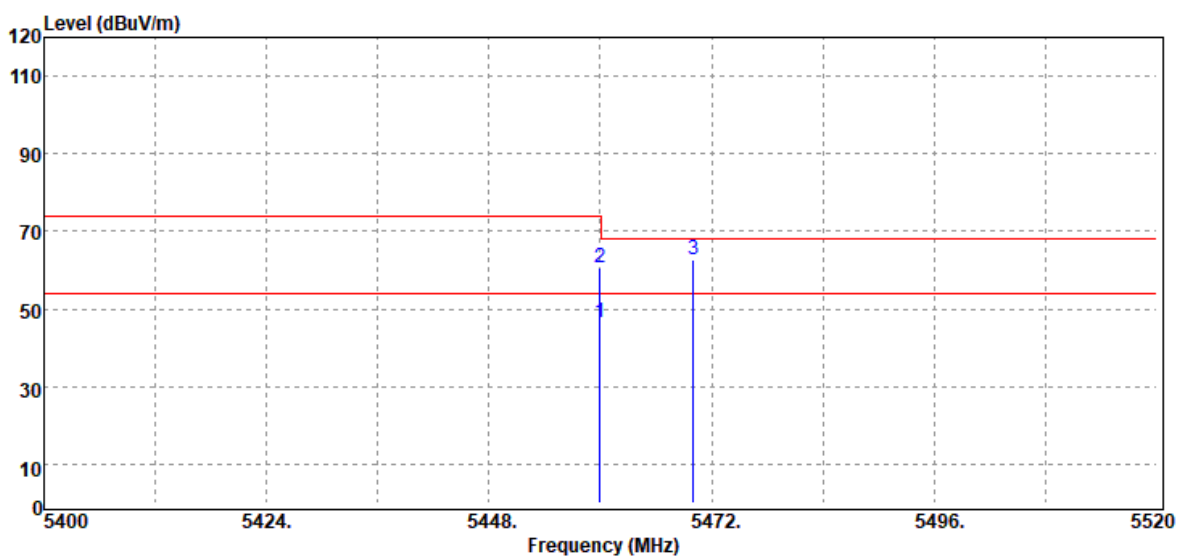
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.00	Peak	48.44	6.98	55.42	68.20	-12.78

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5460.00	Average	39.40	6.11	45.51	54.00	-8.49
5460.00	Peak	57.11	6.11	63.22	74.00	-10.78
5470.00	Peak	59.69	6.14	65.83	68.20	-2.37

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak and 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	Average	40.47	6.11	46.58	54.00	-7.42
5460.00	Peak	54.48	6.11	60.59	74.00	-13.41
5470.00	Peak	56.75	6.14	62.89	68.20	-5.31

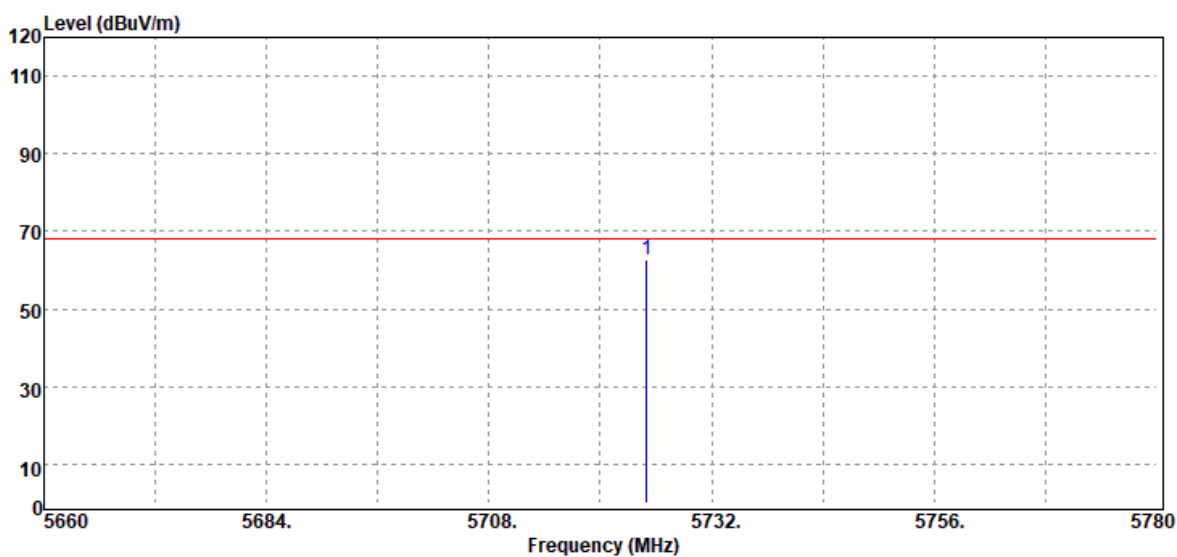


Report No.: T200205D04-RP4

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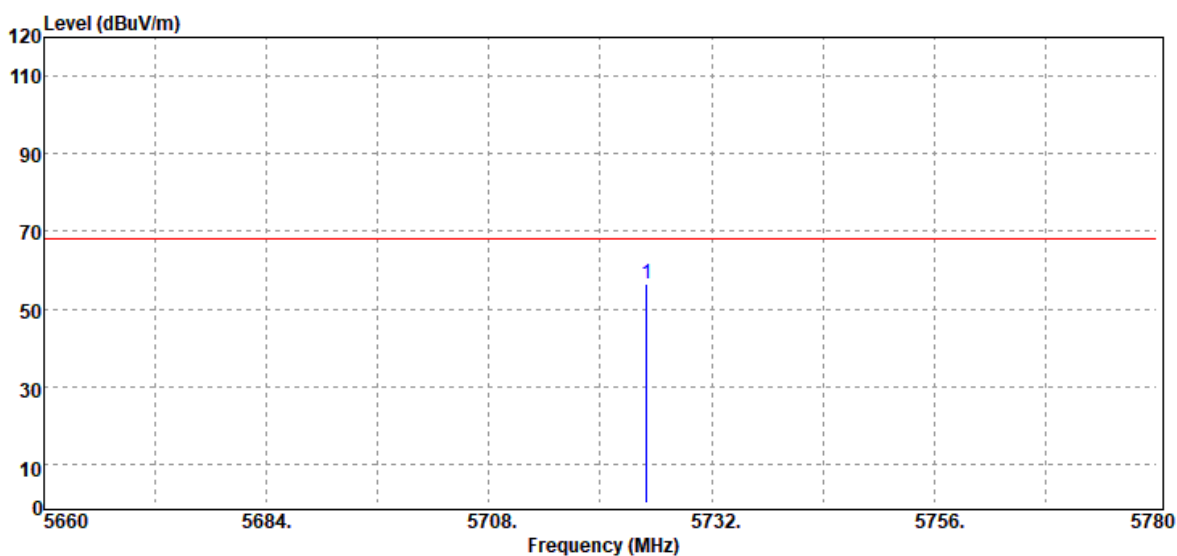
Rev.: 01

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.00	Peak	55.60	6.98	62.58	68.20	-5.62

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

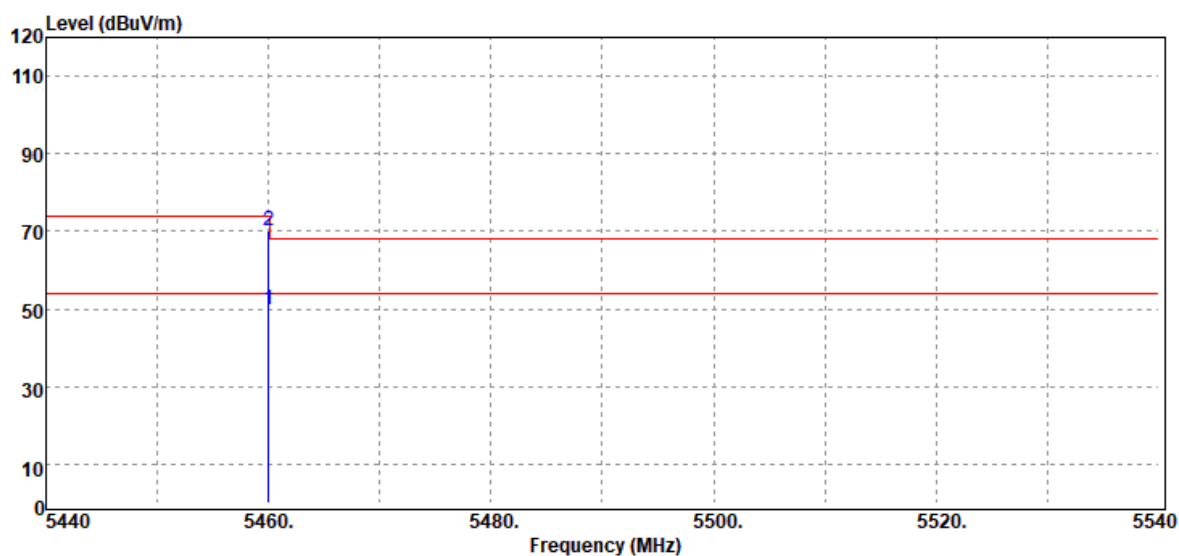


Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	Peak	49.53	6.98	56.51	68.20	-11.69



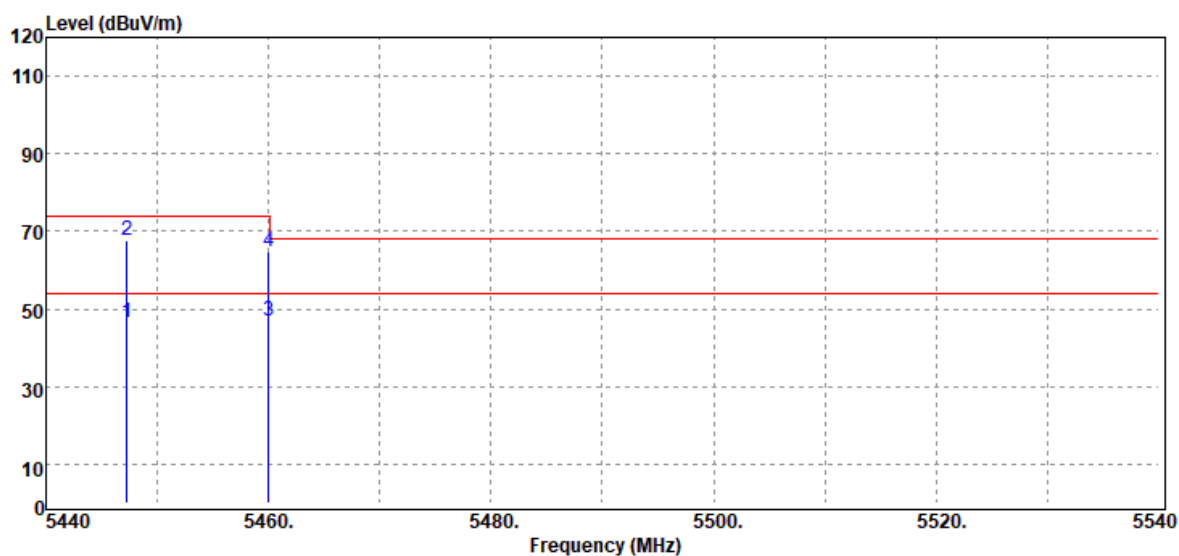
Report No.: T200205D04-RP4

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak and Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5460.00	Average	43.71	6.11	49.82	54.00	-4.18
5460.00	Peak	63.99	6.11	70.10	74.00	-3.90

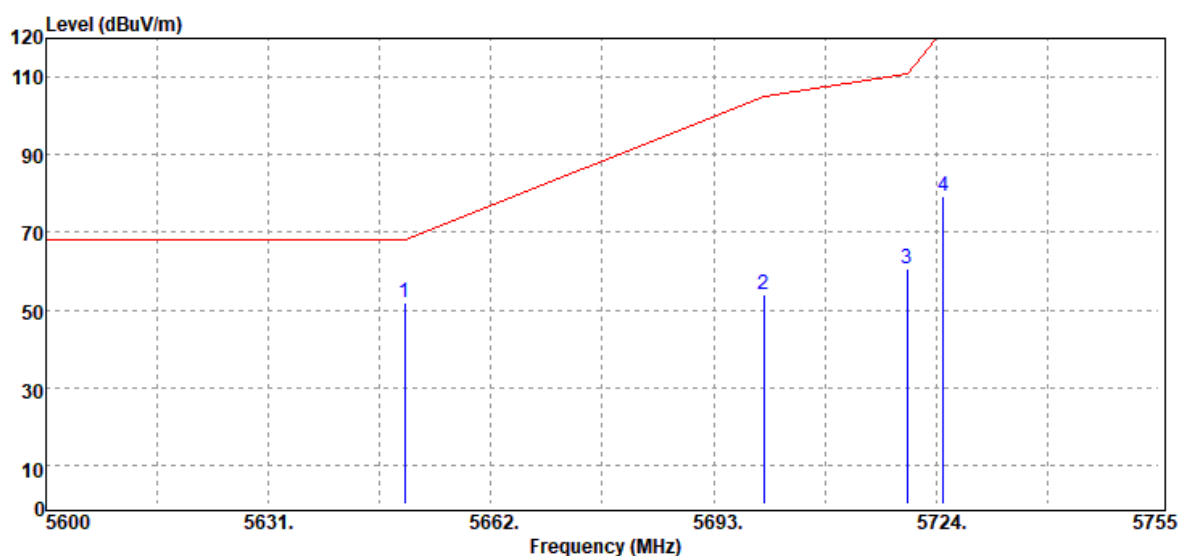
Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak and Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5447.30	Average	40.57	6.07	46.64	54.00	-7.36
5447.30	Peak	61.41	6.07	67.48	74.00	-6.52
5460.00	Average	41.01	6.11	47.12	54.00	-6.88
5460.00	Peak	58.62	6.11	64.73	74.00	-9.27

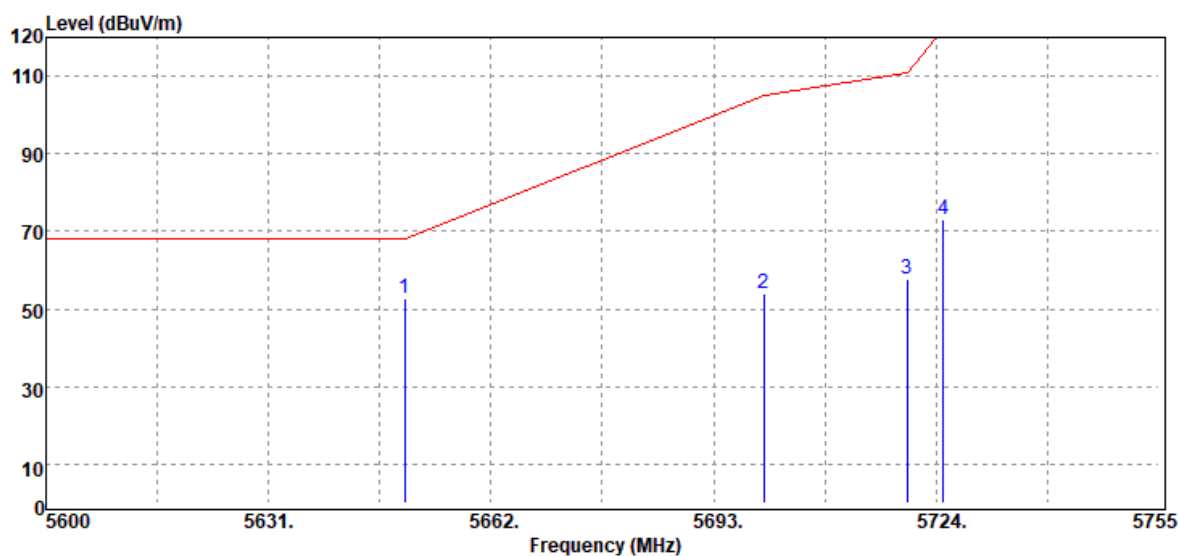
Test Data for UNII-3

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



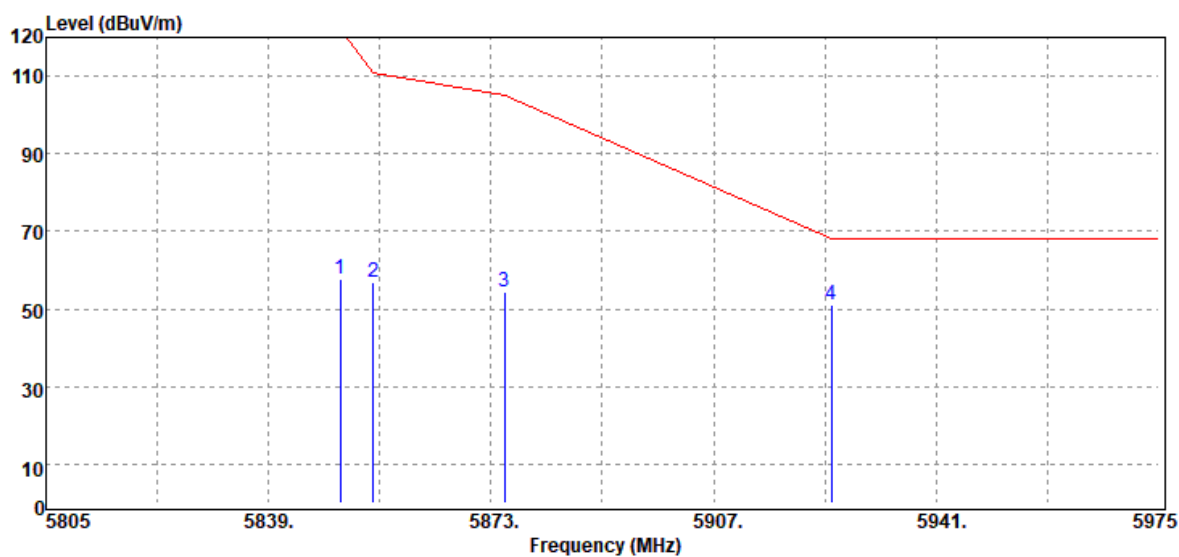
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	45.47	6.61	52.08	68.20	-16.12
5700.00	Peak	47.25	6.92	54.17	105.20	-51.03
5720.00	Peak	53.83	6.97	60.80	110.80	-50.00
5725.00	Peak	72.28	6.98	79.26	122.20	-42.94

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



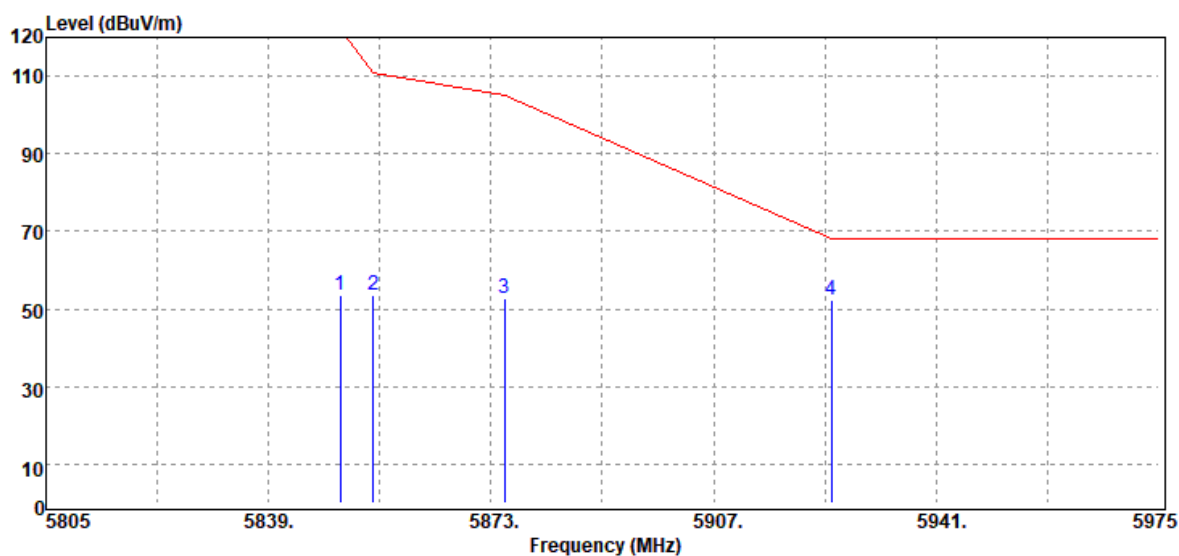
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	45.96	6.61	52.57	68.20	-15.63
5700.00	Peak	46.90	6.92	53.82	105.20	-51.38
5720.00	Peak	50.69	6.97	57.66	110.80	-53.14
5725.00	Peak	66.17	6.98	73.15	122.20	-49.05

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 26, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



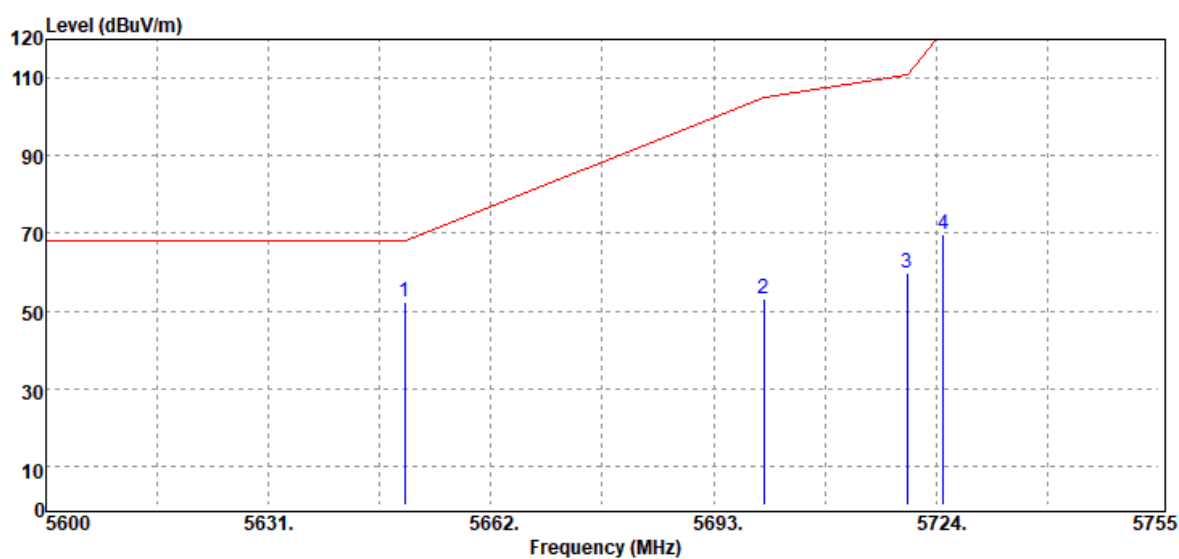
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	50.53	7.11	57.64	122.20	-64.56
5855.00	Peak	49.59	7.11	56.70	110.80	-54.10
5875.00	Peak	47.43	7.10	54.53	105.20	-50.67
5925.00	Peak	43.93	7.12	51.05	68.20	-17.15

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 26, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



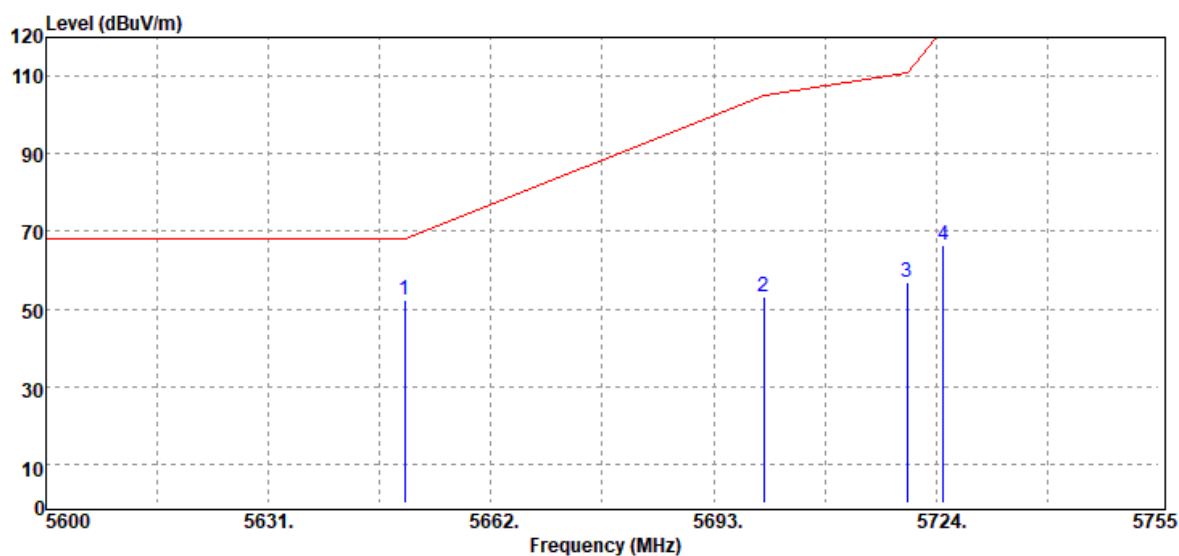
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	46.43	7.11	53.54	122.20	-68.66
5855.00	Peak	46.49	7.11	53.60	110.80	-57.20
5875.00	Peak	45.83	7.10	52.93	105.20	-52.27
5925.00	Peak	45.08	7.12	52.20	68.20	-16.00

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



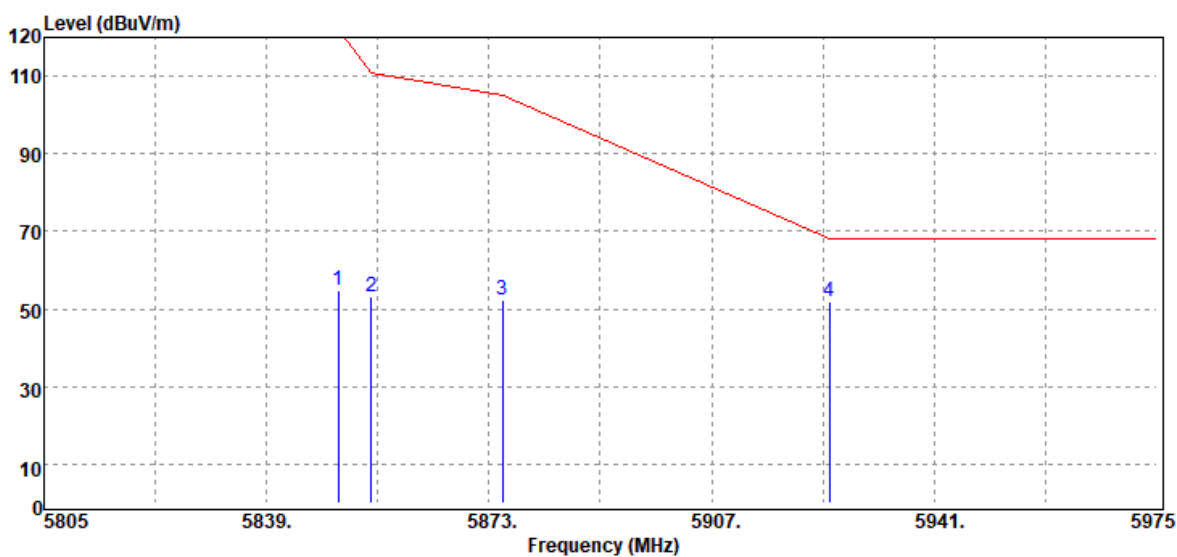
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	45.65	6.61	52.26	68.20	-15.94
5700.00	Peak	46.18	6.92	53.10	105.20	-52.10
5720.00	Peak	53.01	6.97	59.98	110.80	-50.82
5725.00	Peak	62.66	6.98	69.64	122.20	-52.56

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



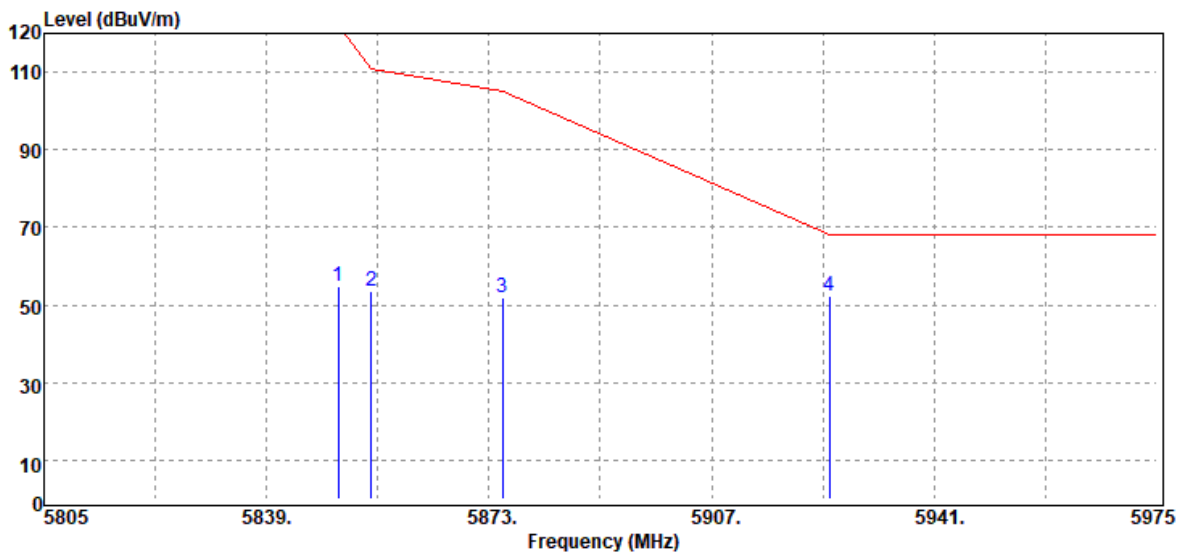
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	45.56	6.61	52.17	68.20	-16.03
5700.00	Peak	46.34	6.92	53.26	105.20	-51.94
5720.00	Peak	49.99	6.97	56.96	110.80	-53.84
5725.00	Peak	59.29	6.98	66.27	122.20	-55.93

Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



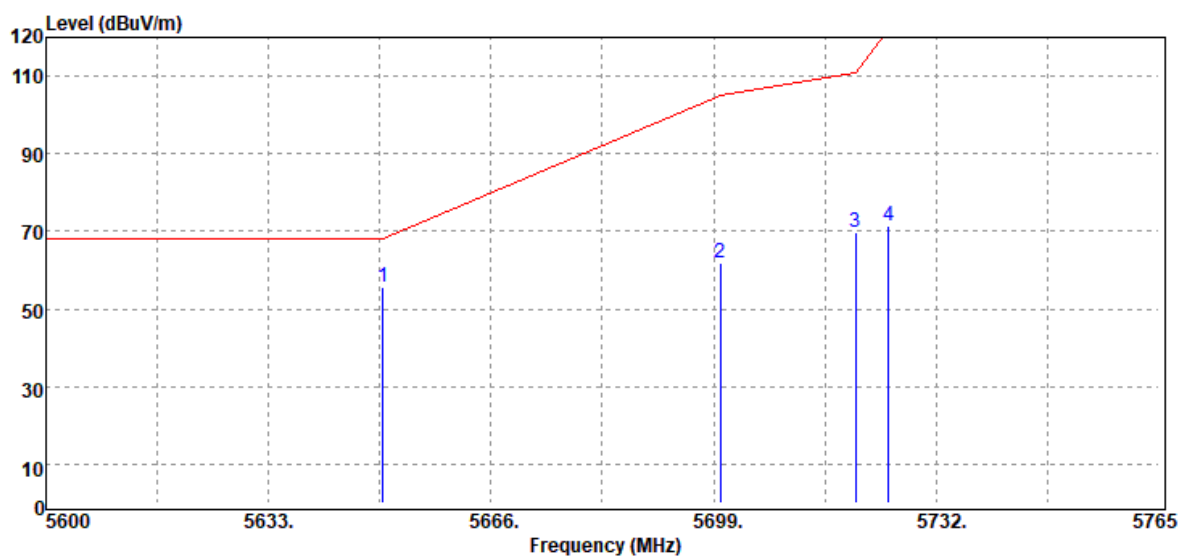
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	47.60	7.11	54.71	122.20	-67.49
5855.00	Peak	46.09	7.11	53.20	110.80	-57.60
5875.00	Peak	45.18	7.10	52.28	105.20	-52.92
5925.00	Peak	44.68	7.12	51.80	68.20	-16.40

Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



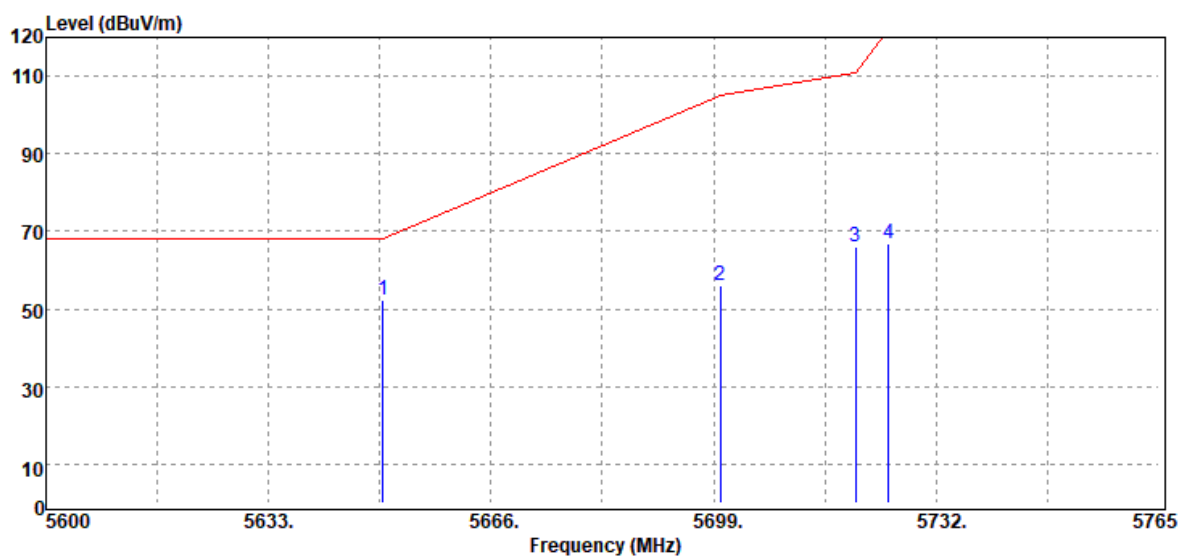
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	47.52	7.11	54.63	122.20	-67.57
5855.00	Peak	46.30	7.11	53.41	110.80	-57.39
5875.00	Peak	44.95	7.10	52.05	105.20	-53.15
5925.00	Peak	45.14	7.12	52.26	68.20	-15.94

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



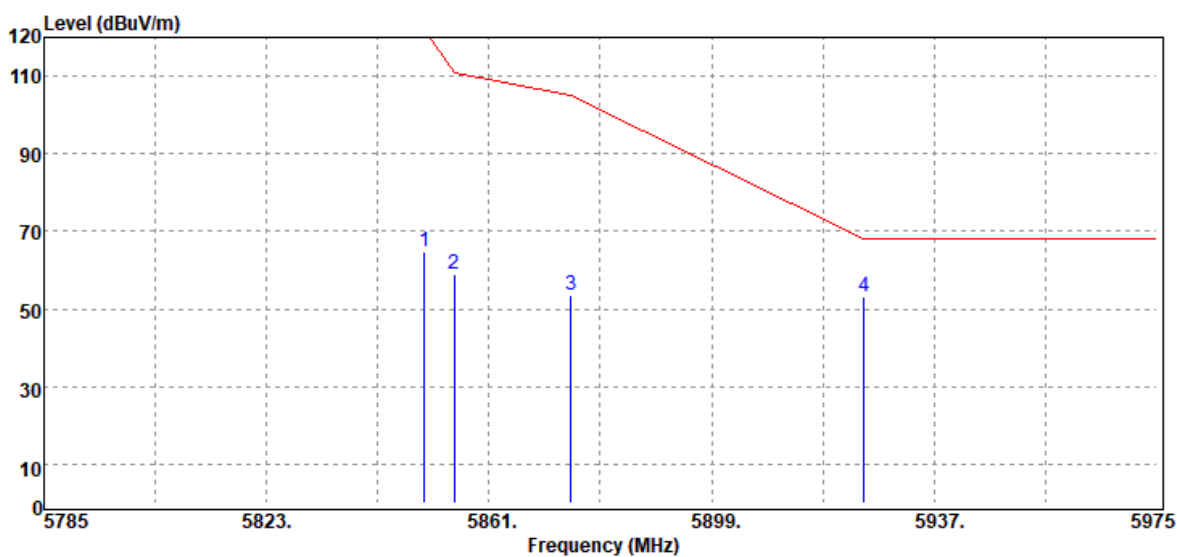
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	48.97	6.61	55.58	68.20	-12.62
5700.00	Peak	55.06	6.92	61.98	105.20	-43.22
5720.00	Peak	62.67	6.97	69.64	110.80	-41.16
5725.00	Peak	64.47	6.98	71.45	122.20	-50.75

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



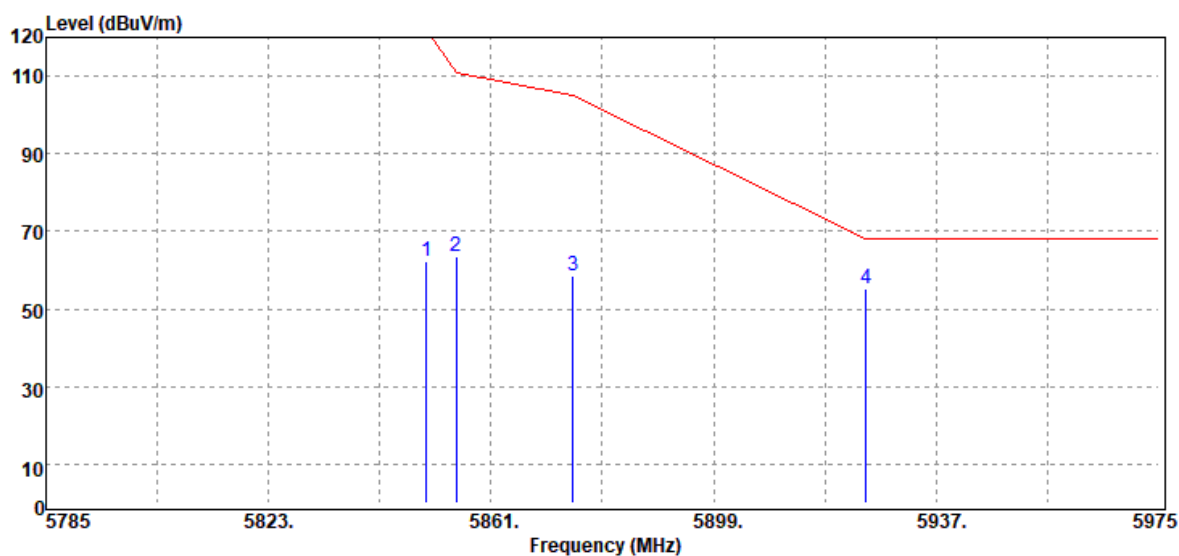
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	45.51	6.61	52.12	68.20	-16.08
5700.00	Peak	49.10	6.92	56.02	105.20	-49.18
5720.00	Peak	59.23	6.97	66.20	110.80	-44.60
5725.00	Peak	59.92	6.98	66.90	122.20	-55.30

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



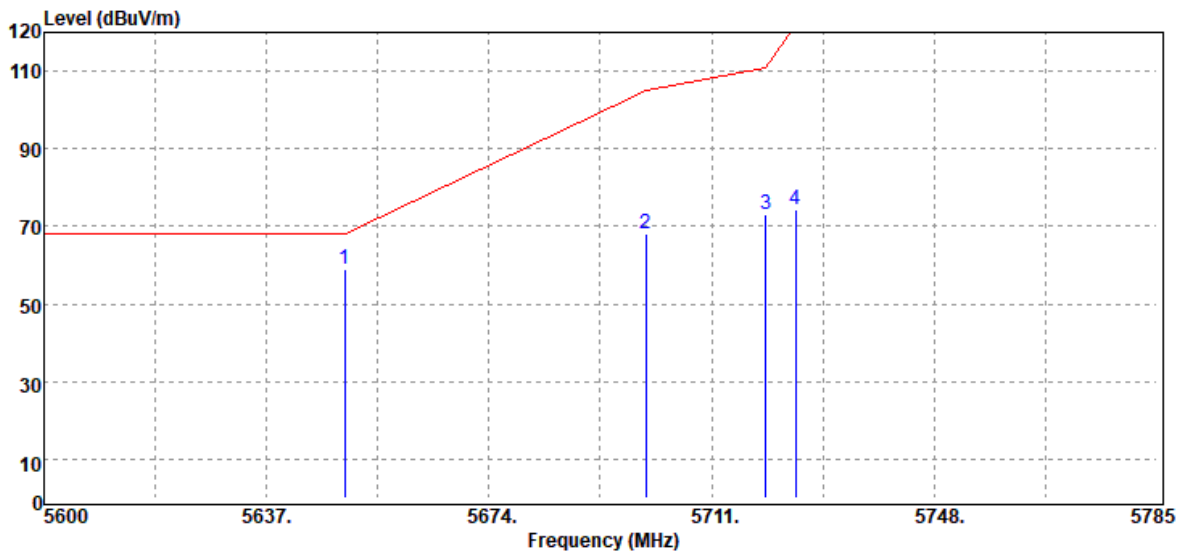
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	57.85	7.11	64.96	122.20	-57.24
5855.00	Peak	51.84	7.11	58.95	110.80	-51.85
5875.00	Peak	46.49	7.10	53.59	105.20	-51.61
5925.00	Peak	45.83	7.12	52.95	68.20	-15.25

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



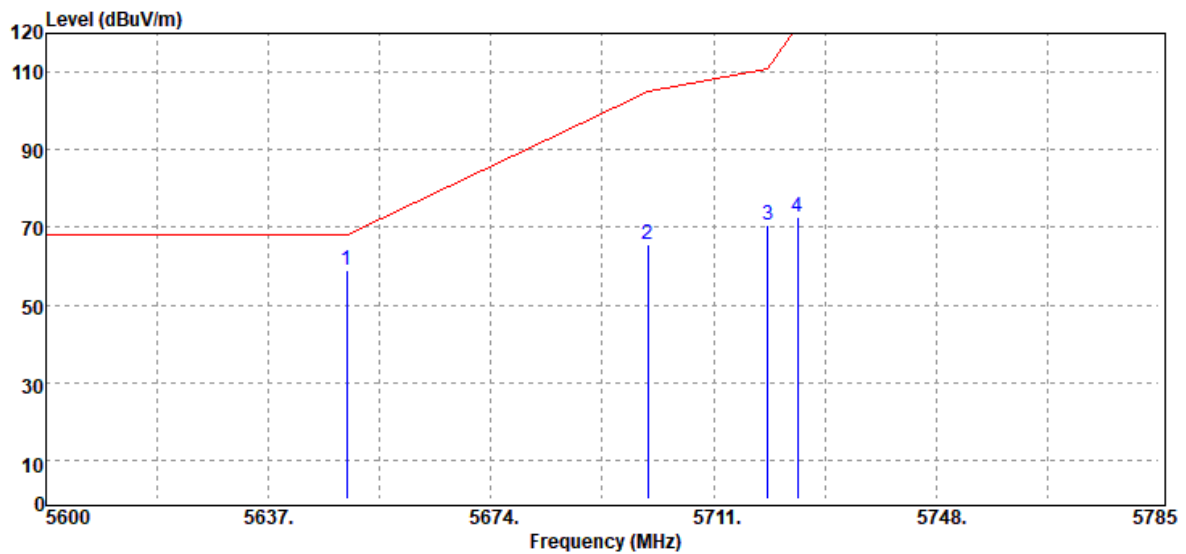
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.00	Peak	55.33	7.11	62.44	122.20	-59.76
5855.00	Peak	56.34	7.11	63.45	110.80	-47.35
5875.00	Peak	51.43	7.10	58.53	105.20	-46.67
5925.00	Peak	47.90	7.12	55.02	68.20	-13.18

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



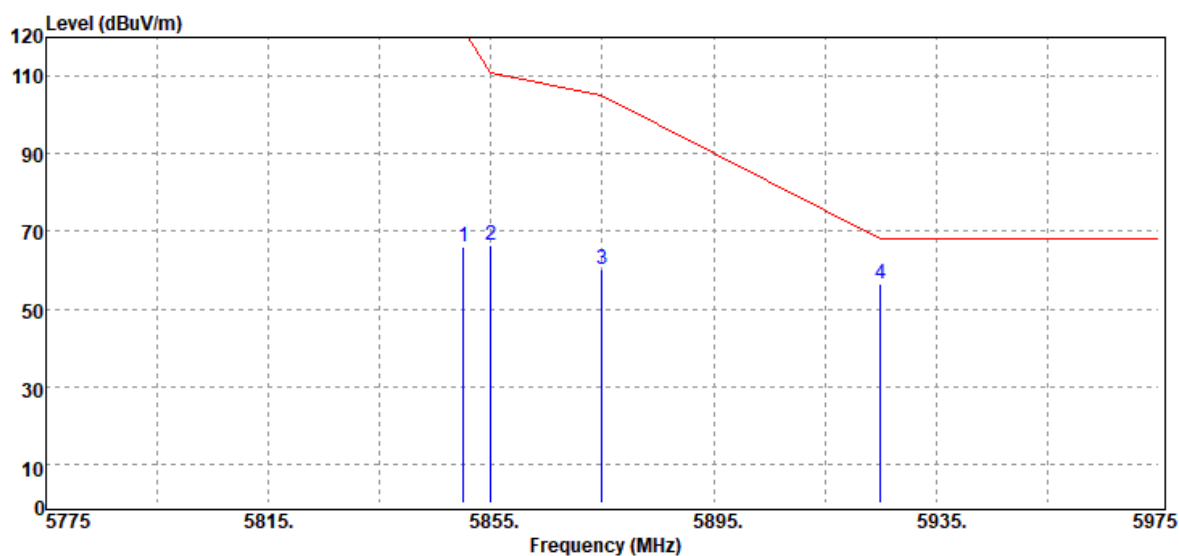
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	52.47	6.61	59.08	68.20	-9.12
5700.00	Peak	61.36	6.92	68.28	105.20	-36.92
5720.00	Peak	66.21	6.97	73.18	110.80	-37.62
5725.00	Peak	67.27	6.98	74.25	122.20	-47.95

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



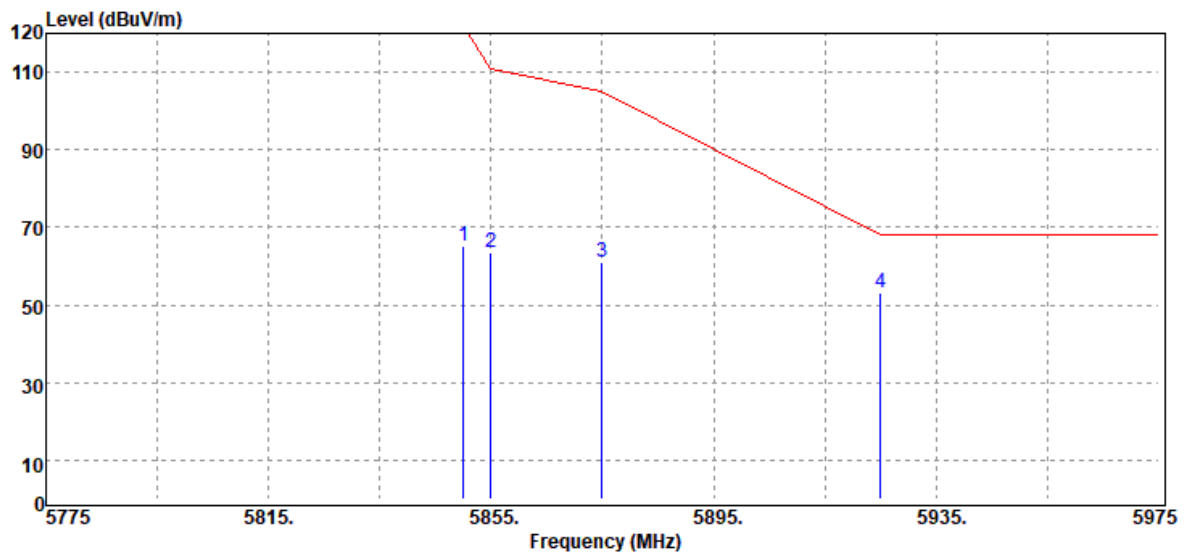
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	52.47	6.61	59.08	68.20	-9.12
5700.00	Peak	58.67	6.92	65.59	105.20	-39.61
5720.00	Peak	63.77	6.97	70.74	110.80	-40.06
5725.00	Peak	65.69	6.98	72.67	122.20	-49.53

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 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	59.10	7.11	66.21	122.20	-55.99
5855.00	Peak	59.25	7.11	66.36	110.80	-44.44
5875.00	Peak	52.99	7.10	60.09	105.20	-45.11
5925.00	Peak	49.52	7.12	56.64	68.20	-11.56

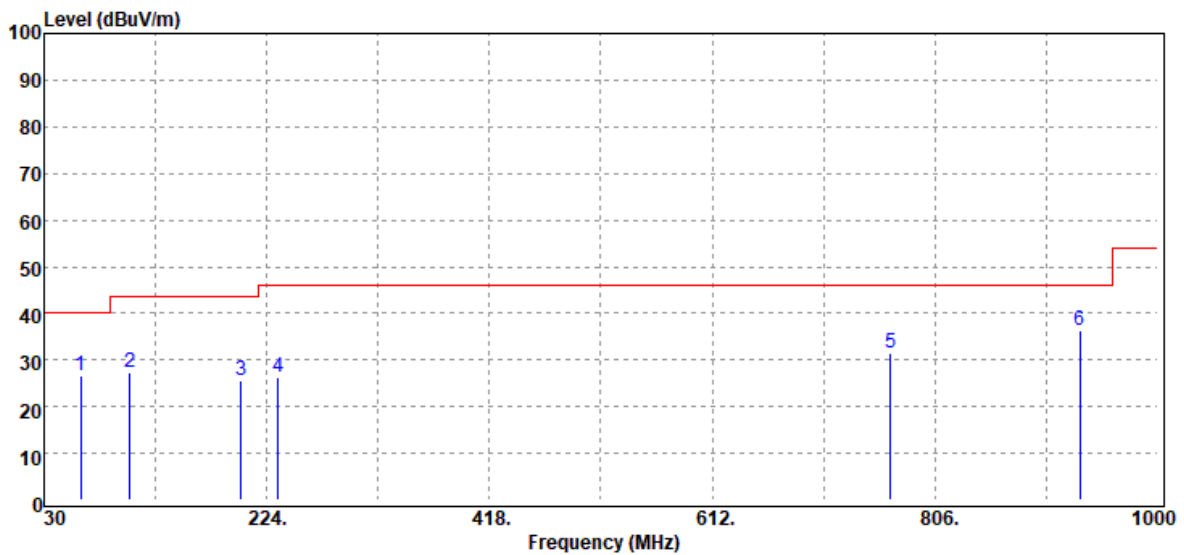
Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Band Edge	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



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	58.16	7.11	65.27	122.20	-56.93
5855.00	Peak	56.54	7.11	63.65	110.80	-47.15
5875.00	Peak	54.07	7.10	61.17	105.20	-44.03
5925.00	Peak	46.15	7.12	53.27	68.20	-14.93

Below 1G Test Data

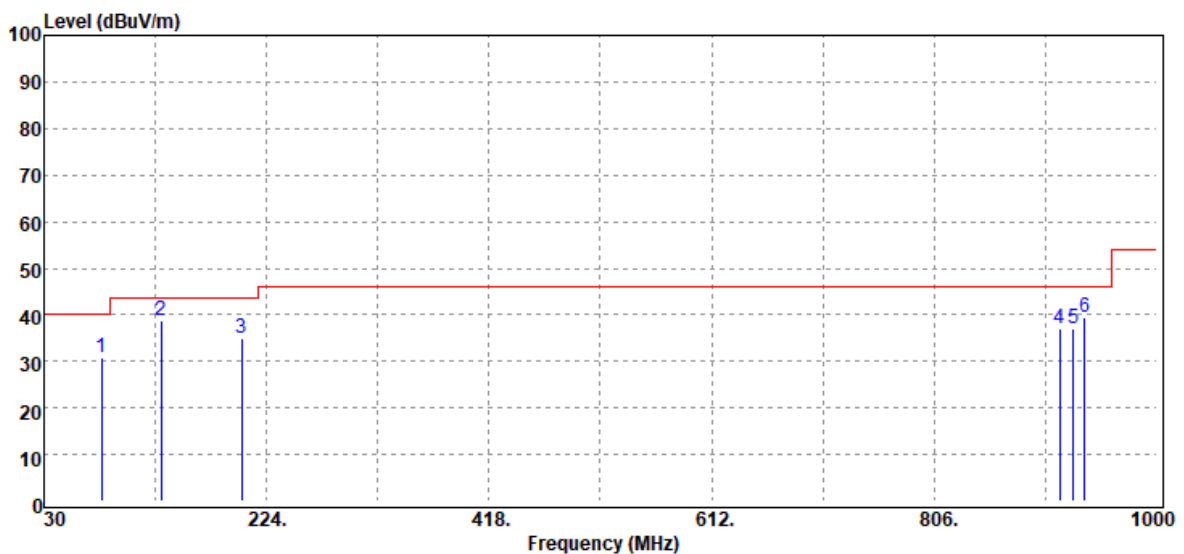
Test Mode	Mode 1	Temp/Hum	17.6(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
62.01	Peak	42.56	-15.77	26.79	40.00	-13.21
104.69	Peak	38.87	-11.37	27.50	43.50	-16.00
201.69	Peak	35.77	-10.31	25.46	43.50	-18.04
233.70	Peak	37.12	-10.94	26.18	46.00	-19.82
767.20	Peak	30.38	1.12	31.50	46.00	-14.50
932.10	Peak	32.53	3.68	36.21	46.00	-9.79

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	17.6(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



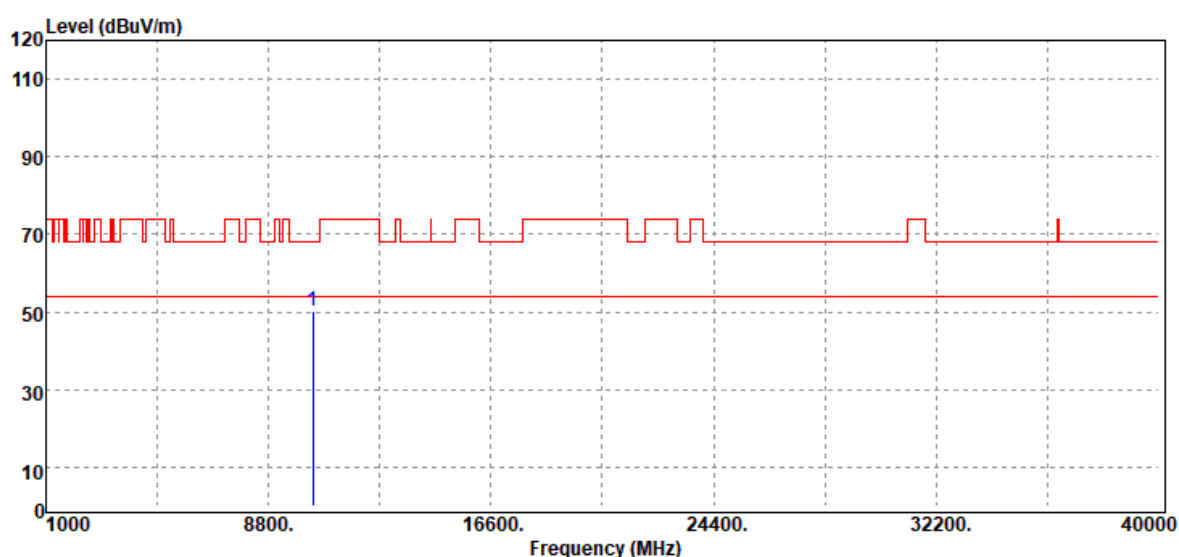
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
80.44	Peak	46.38	-15.52	30.86	40.00	-9.14
131.85	Peak	48.12	-9.25	38.87	43.50	-4.63
202.66	Peak	45.71	-10.72	34.99	43.50	-8.51
915.61	Peak	33.29	3.57	36.86	46.00	-9.14
927.25	Peak	33.25	3.67	36.92	46.00	-9.08
936.95	Peak	35.54	3.75	39.29	46.00	-6.71

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	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

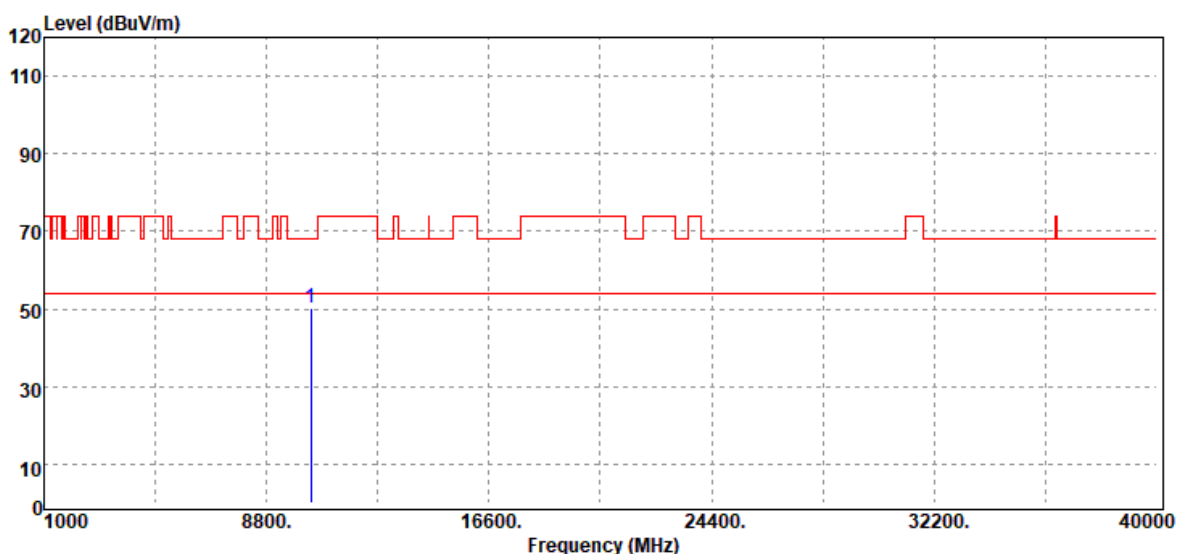


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.00	Peak	35.32	15.04	50.36	68.20	-17.84
N/A						

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 802.11a / 5180MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

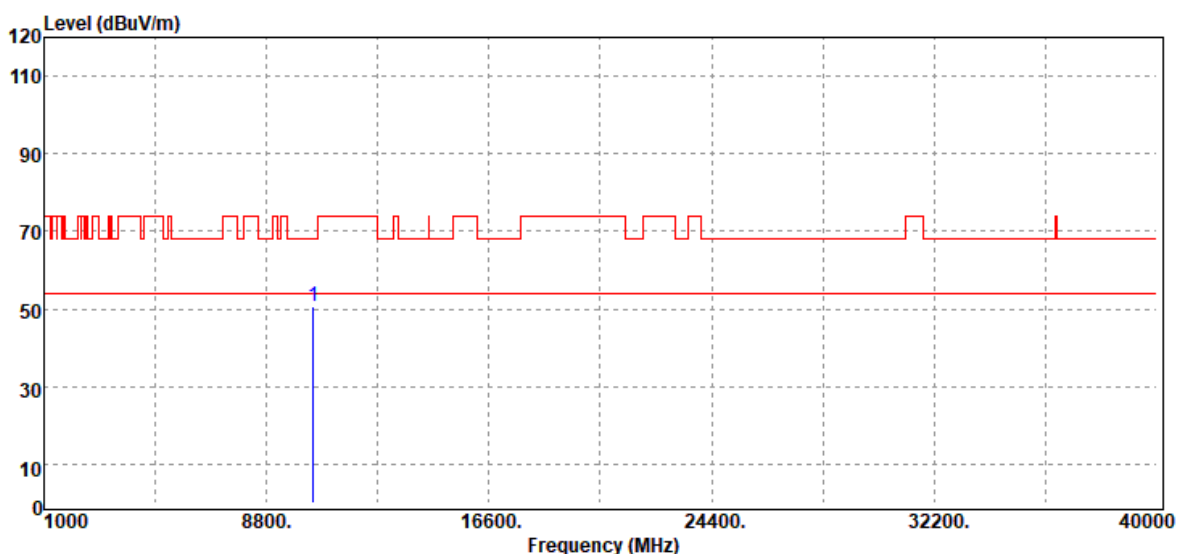


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.00	Peak	35.05	15.04	50.09	68.20	-18.11
N/A						

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 802.11a / 5220 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonics	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

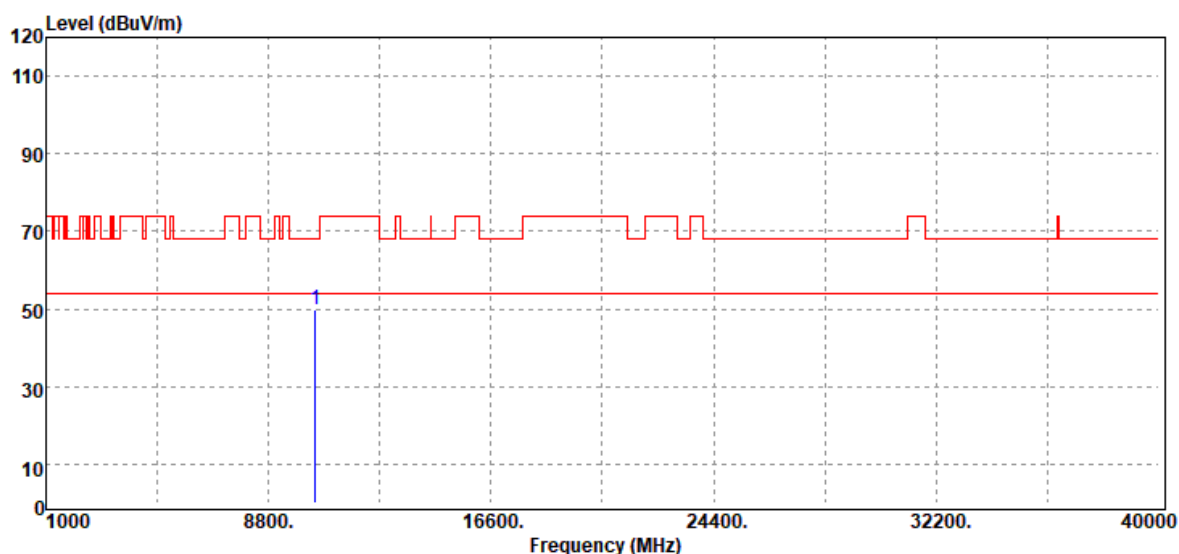


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.00	Peak	35.74	15.11	50.85	68.20	-17.35
N/A						

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 802.11a / 5220 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

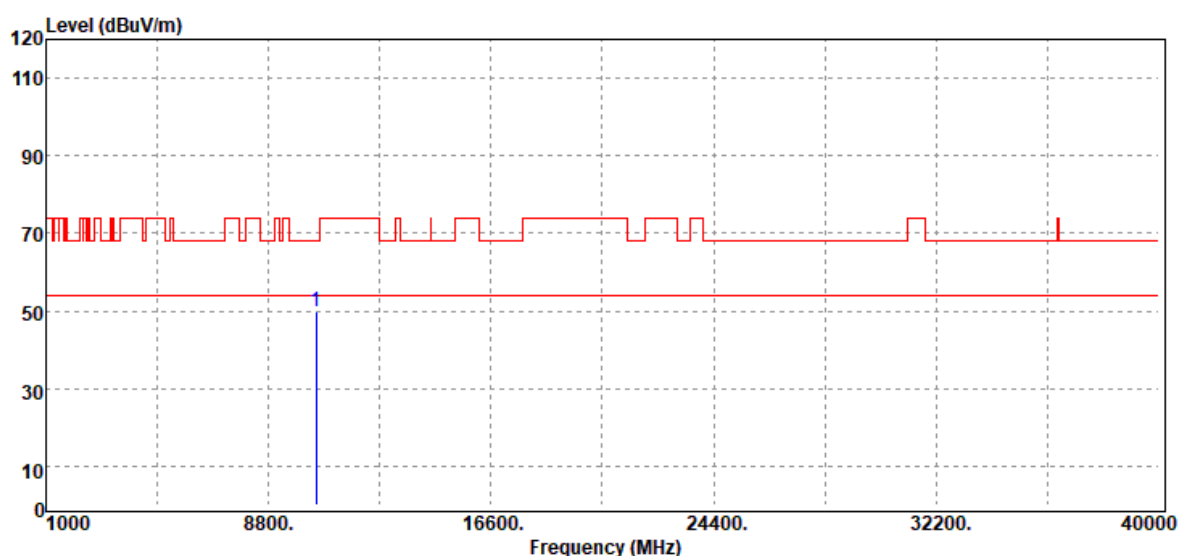


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.00	Peak	34.85	15.11	49.96	68.20	-18.24
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

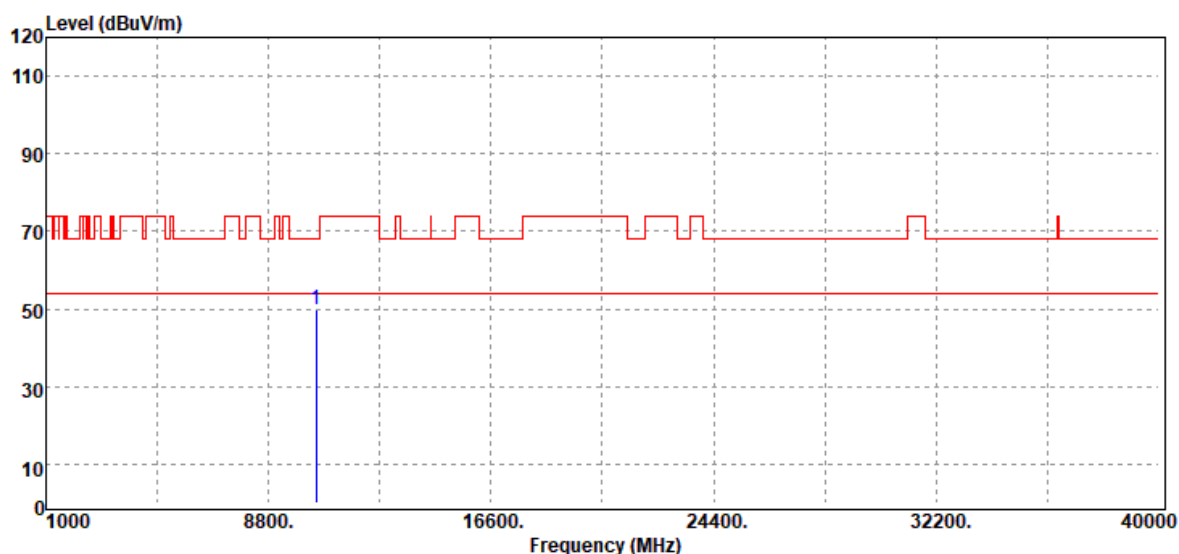


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10480.00	Peak	34.57	15.09	49.66	68.20	-18.54
N/A						

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 / 5240MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

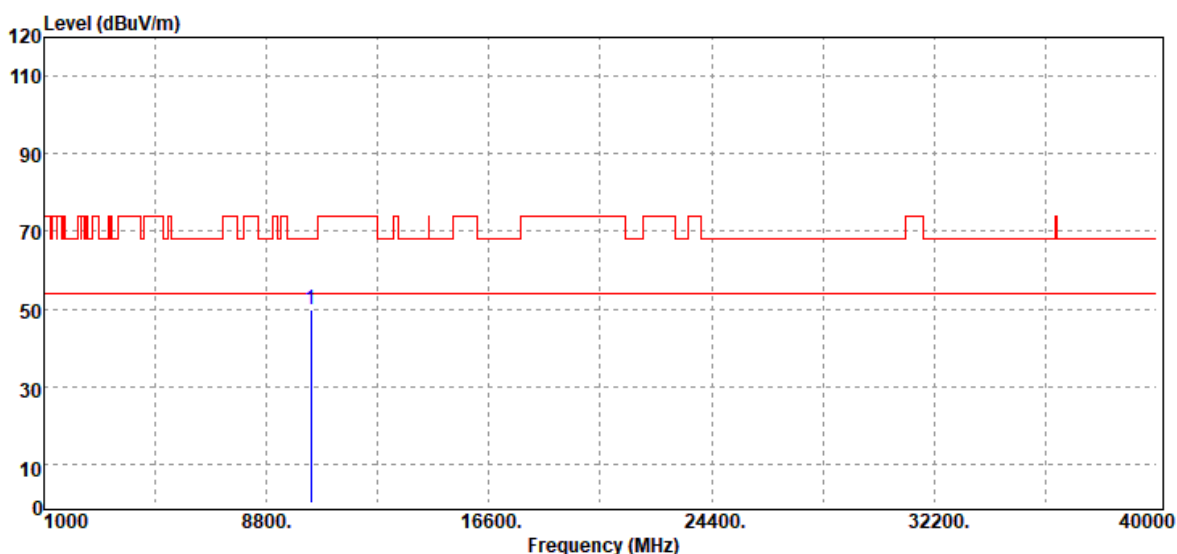


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10480.00	Peak	34.80	15.09	49.89	68.20	-18.31
N/A						

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 / 5180MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

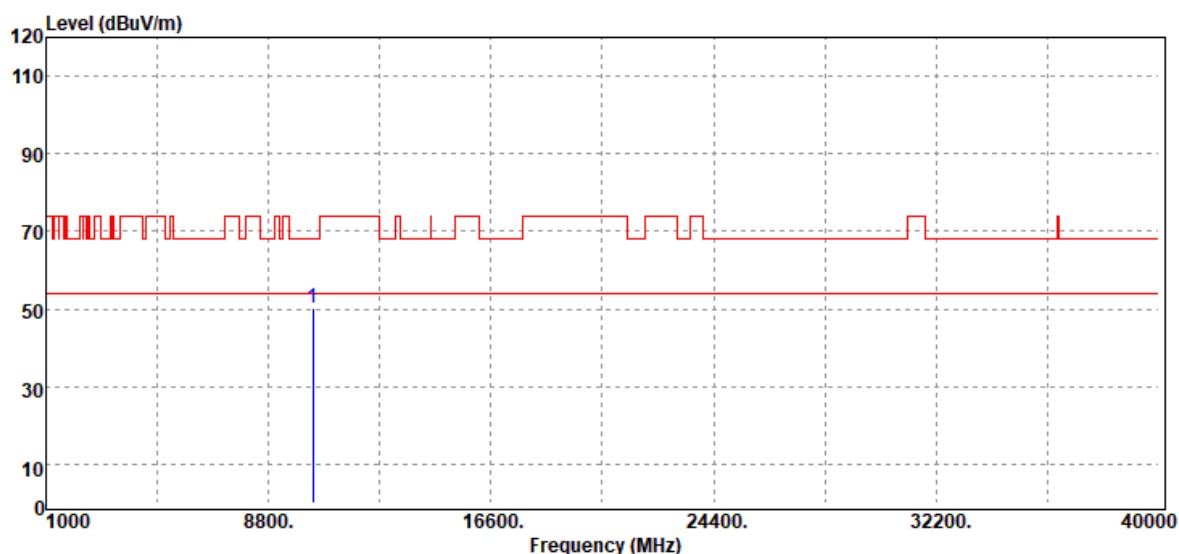


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	34.60	15.04	49.64	68.20	-18.56
N/A						

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 20 MHz/ 5180MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

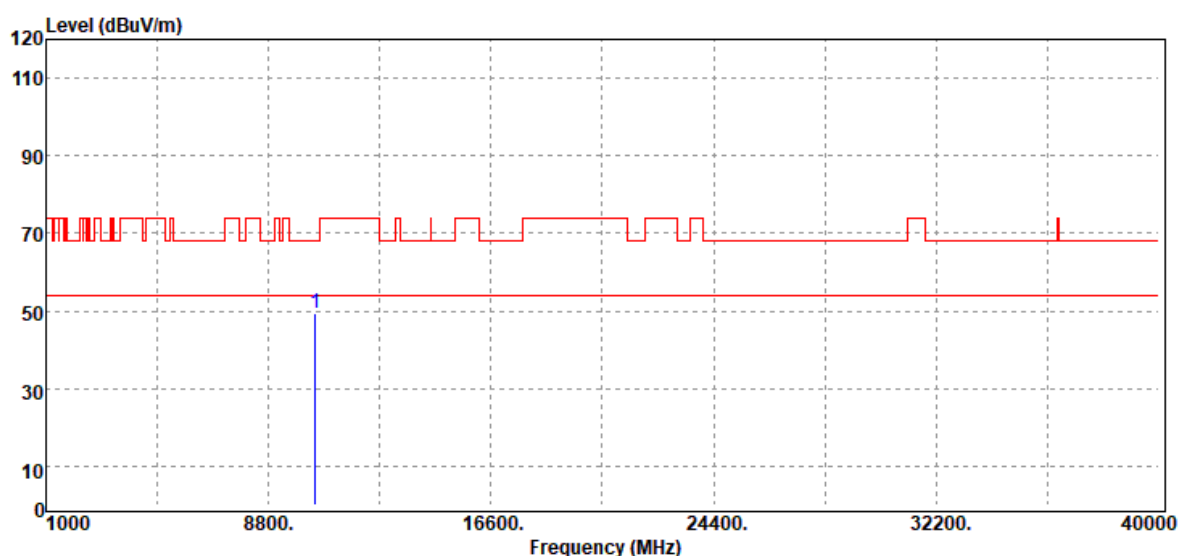


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.00	Peak	35.34	15.04	50.38	68.20	-17.82
N/A						

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 / 5220MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

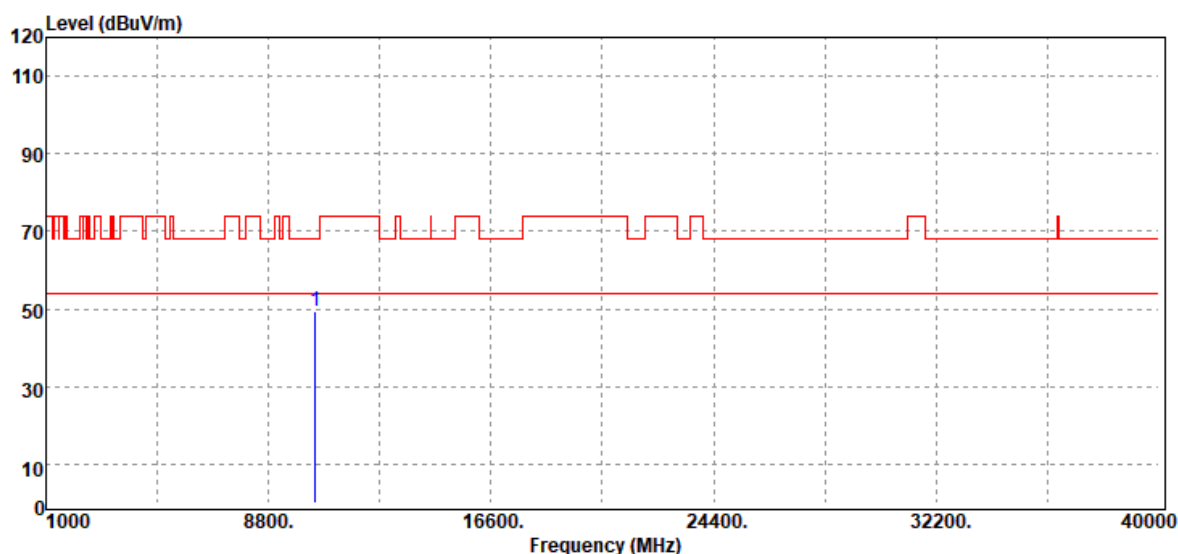


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.00	Peak	34.32	15.11	49.43	68.20	-18.77
N/A						

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 / 5220MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

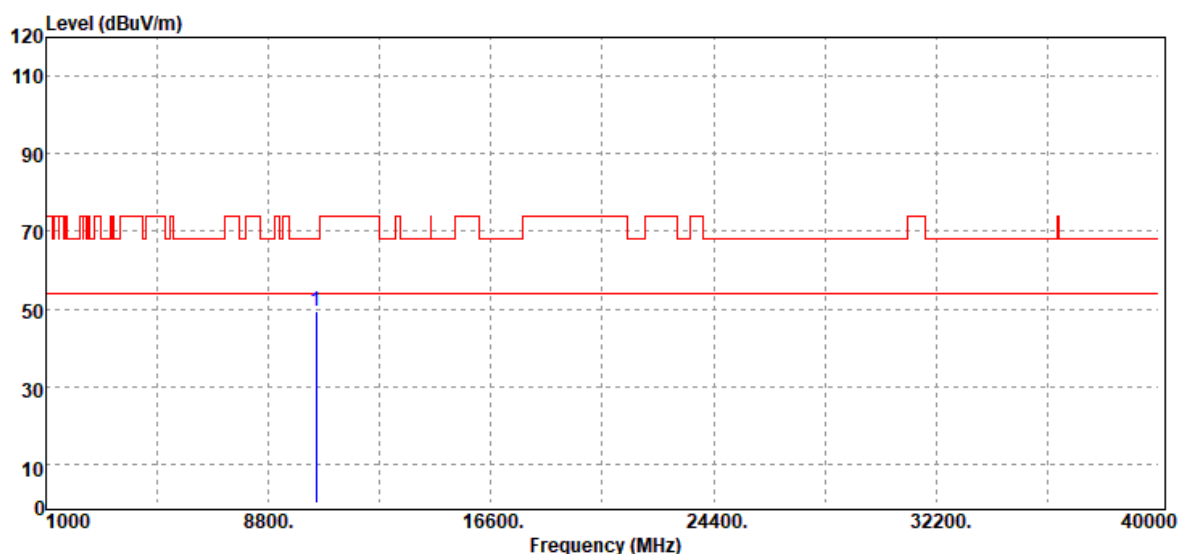


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.00	Peak	34.21	15.11	49.32	68.20	-18.88
N/A						

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 20 MHz / 5240MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

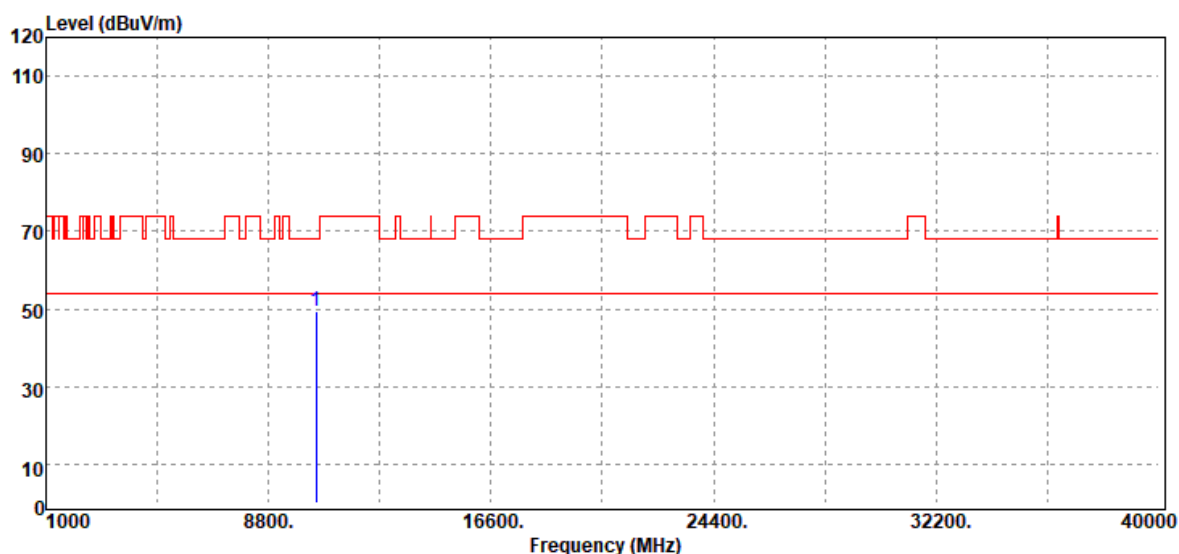


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10480.00	Peak	34.11	15.09	49.20	68.20	-19.00
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5240MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

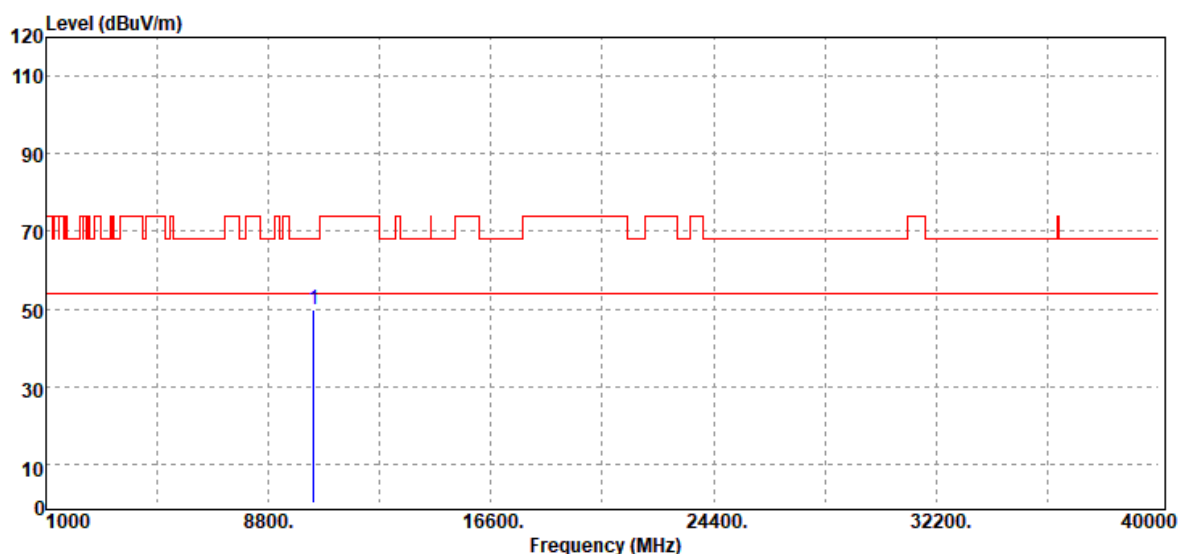


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10480.00	Peak	34.37	15.09	49.46	68.20	-18.74
N/A						

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 802.11n 40 MHz / 5190MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

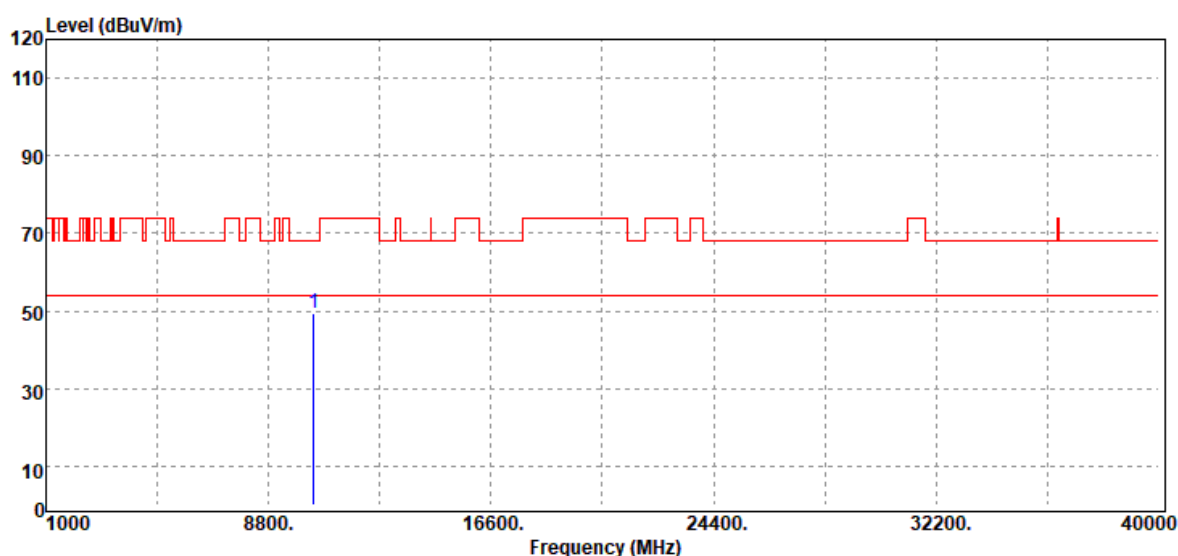


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10380.00	Peak	34.82	14.99	49.81	68.20	-18.39
N/A						

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 / 5190MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

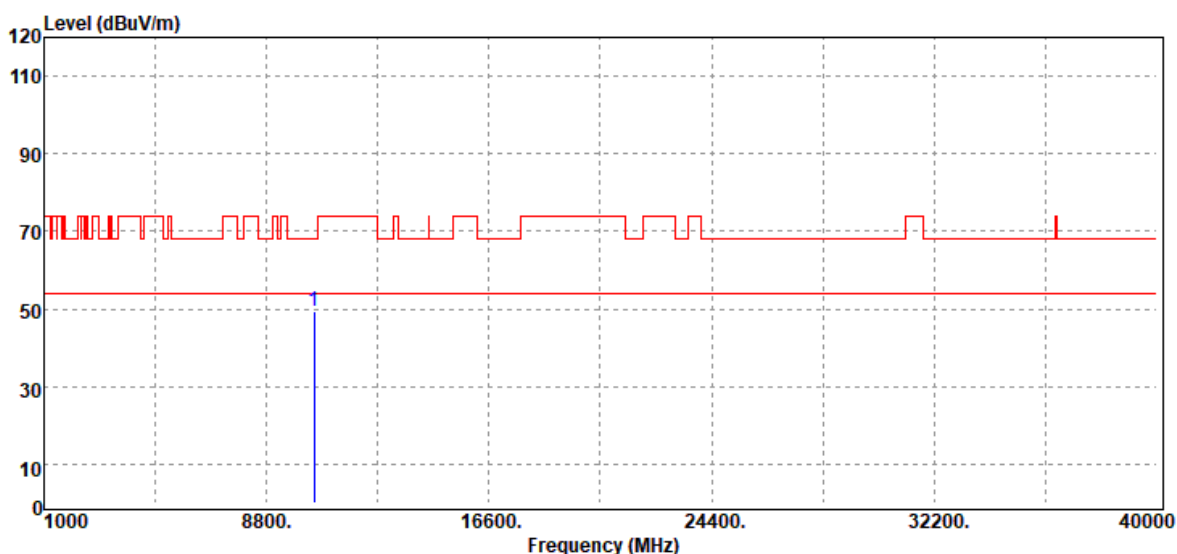


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10380.00	Peak	34.49	14.99	49.48	68.20	-18.72
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

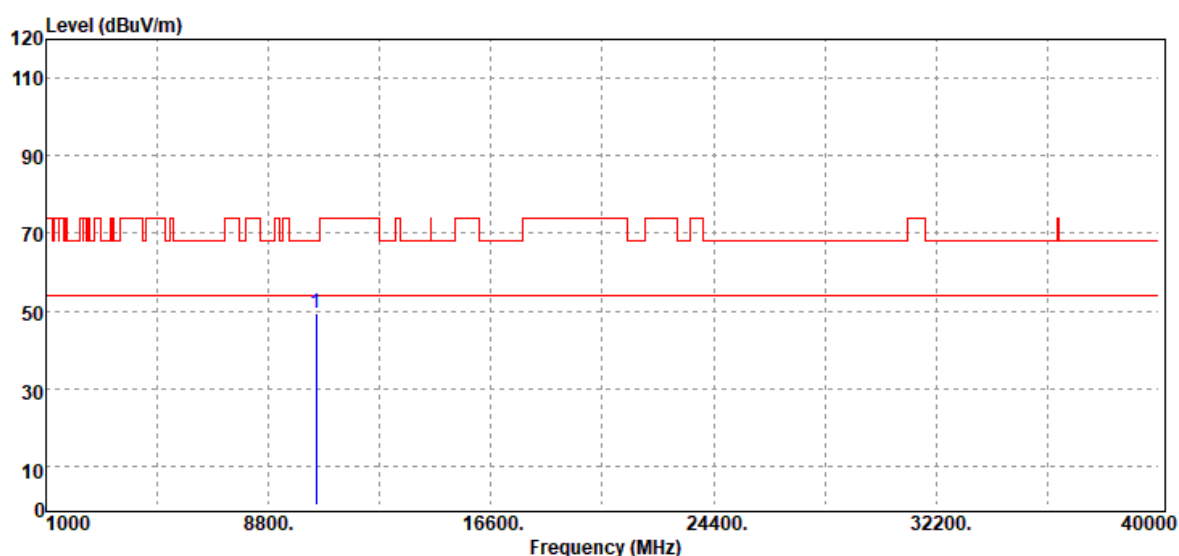


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10460.00	Peak	34.26	15.13	49.39	68.20	-18.81
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of 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	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 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	34.35	15.13	49.48	68.20	-18.72
N/A						

Remark:

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

Test Mode	IEEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

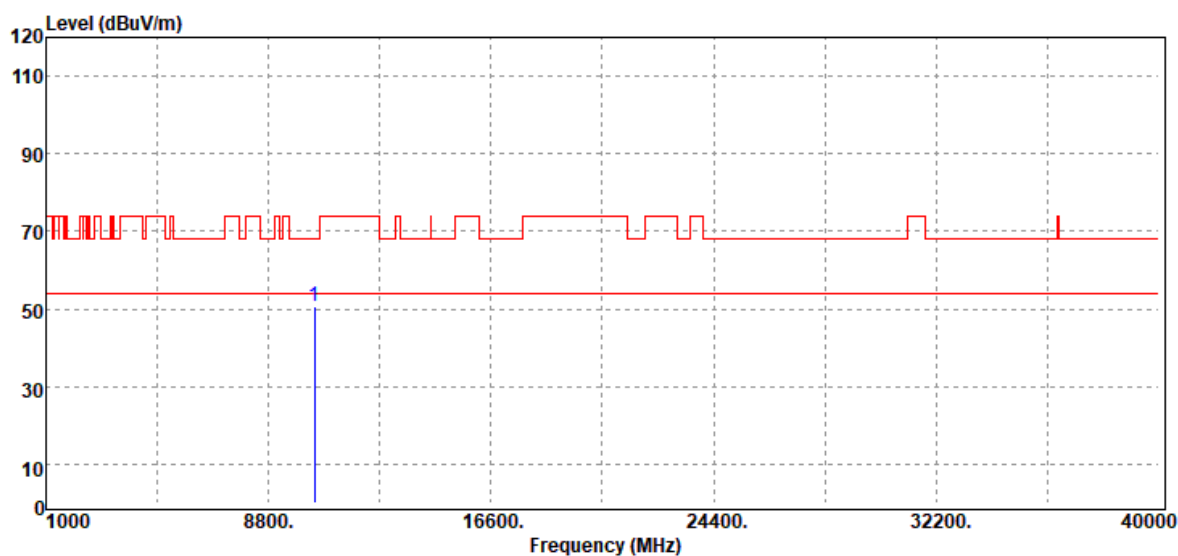


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.00	Peak	35.02	15.01	50.03	68.20	-18.17
N/A						

Remark:

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

Test Mode	IEEE 802.11ac VHT80 / 5210MHZ	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



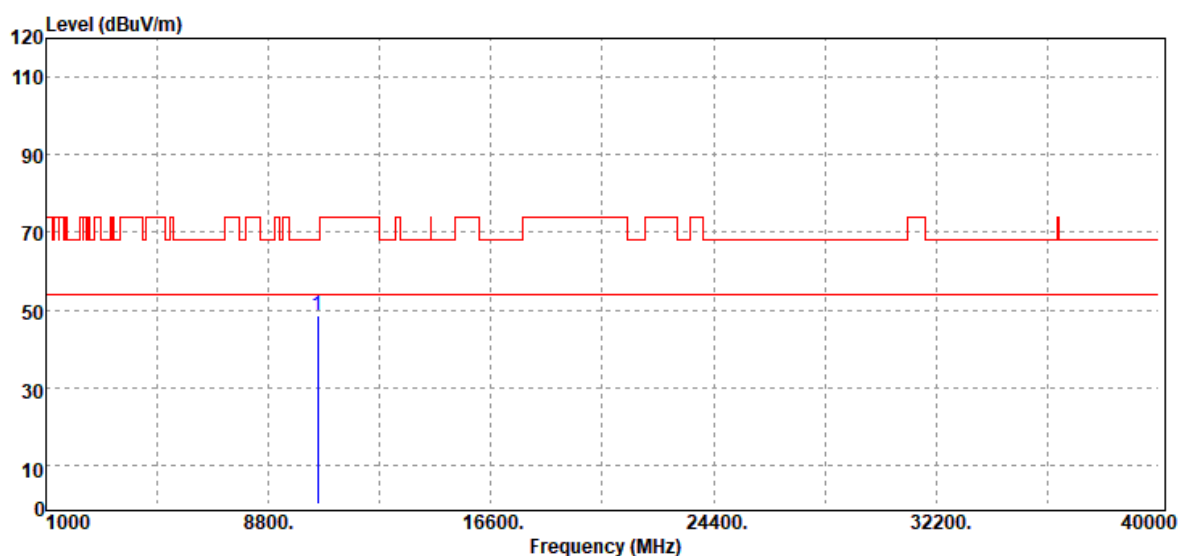
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.00	Peak	35.48	15.01	50.49	68.20	-17.71
N/A						

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 Data for UNII-2a

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

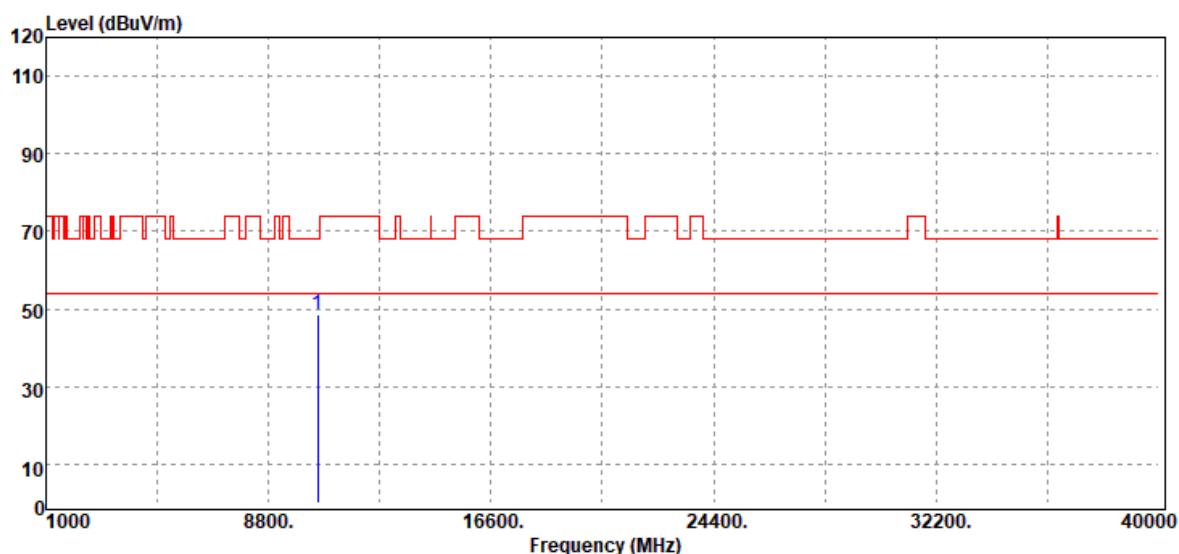


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.00	Peak	33.52	15.05	48.57	68.20	-19.63
N/A						

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 / 5260 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

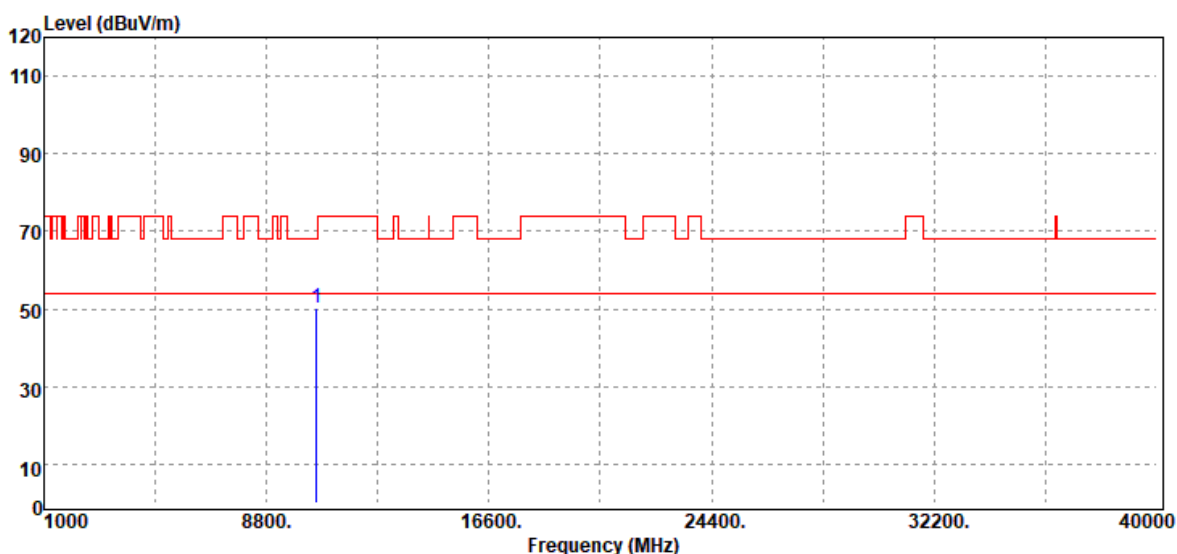


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.00	Peak	33.68	15.05	48.73	68.20	-19.47
N/A						

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 802.11a / 5280 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

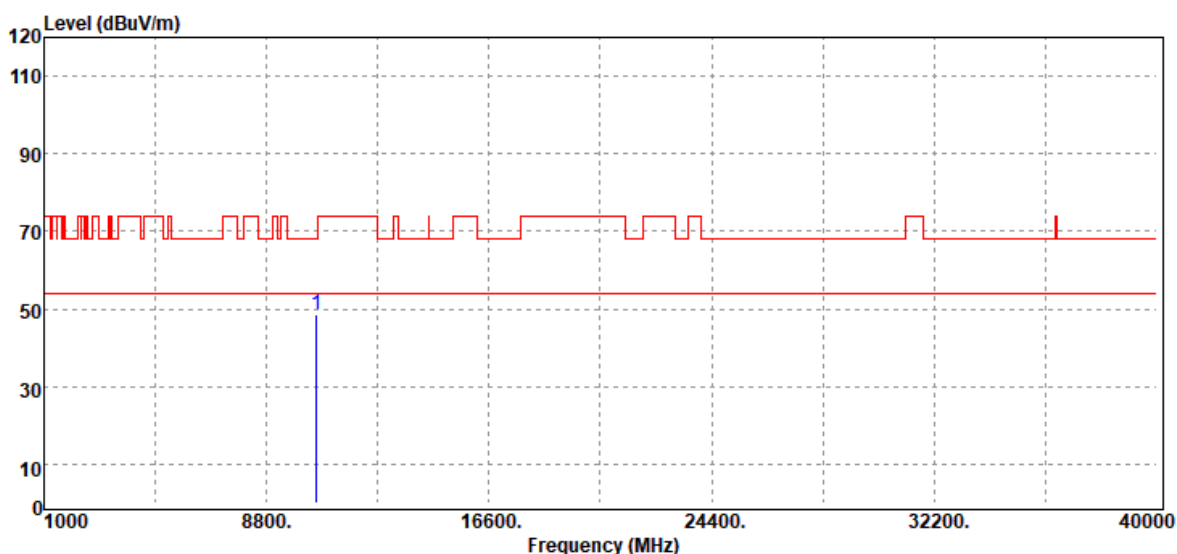


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10560.00	Peak	35.01	15.05	50.06	68.20	-18.14
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5280 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

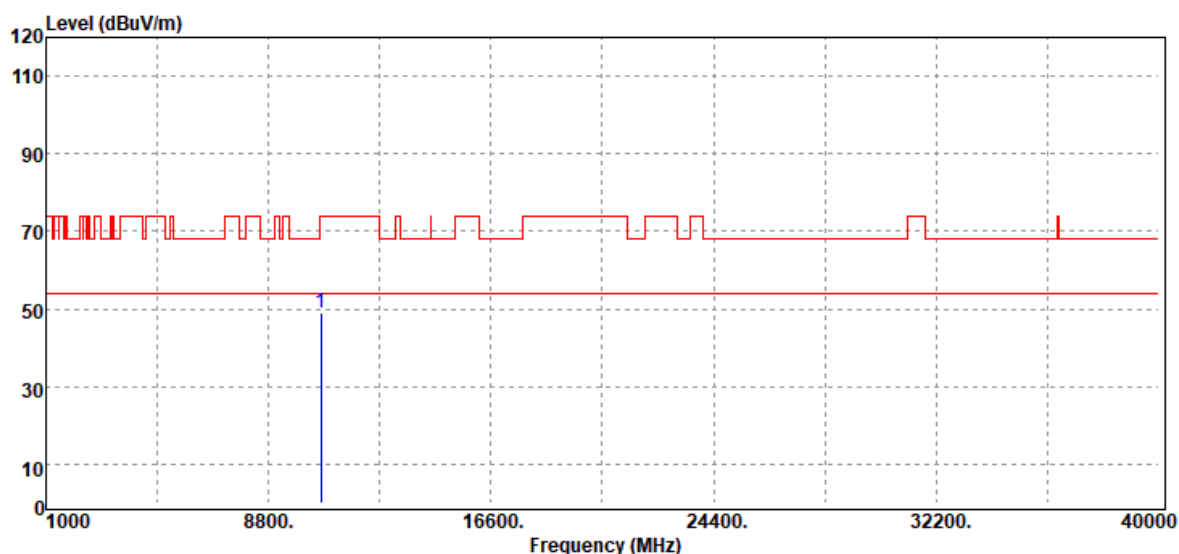


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10560.00	Peak	33.74	15.05	48.79	68.20	-19.41
N/A						

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 802.11a / 5320 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

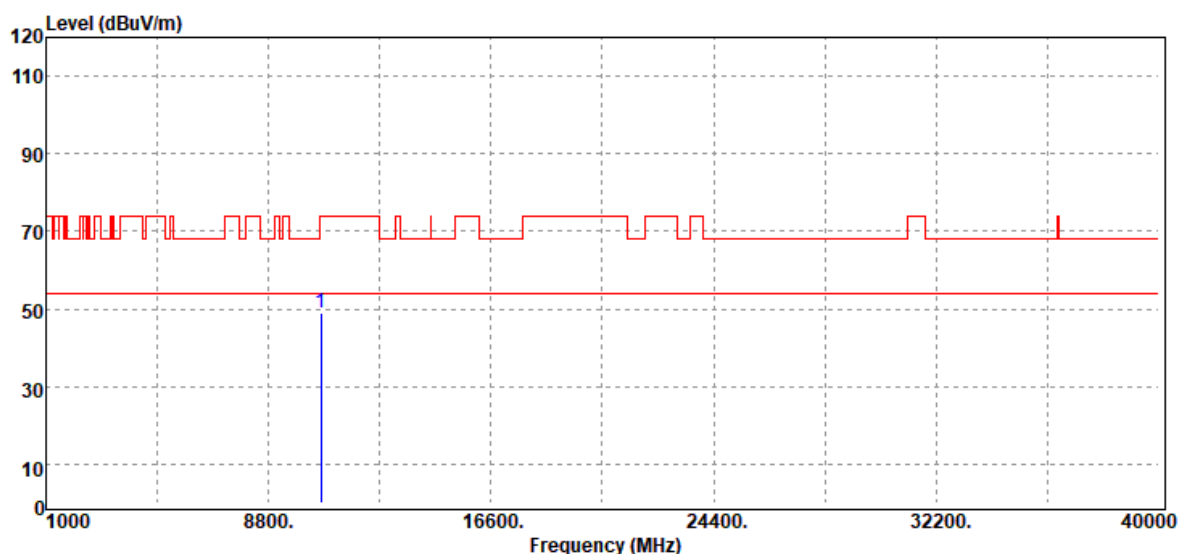


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10640.00	Peak	33.38	15.51	48.89	74.00	-25.11
N/A						

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 802.11a / 5320 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

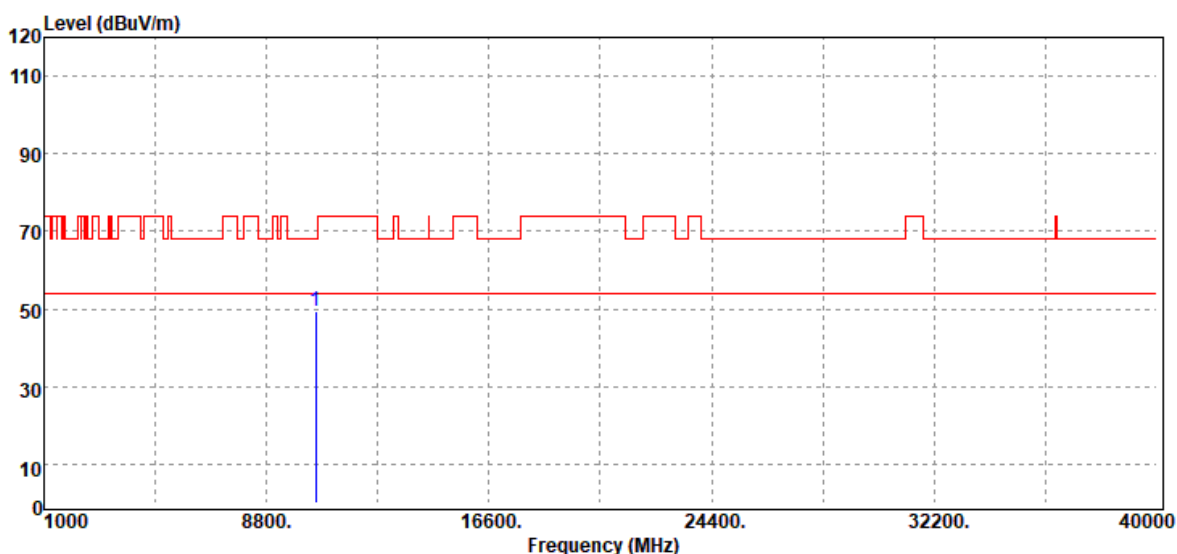


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10640.00	Peak	33.35	15.51	48.86	74.00	-25.14
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

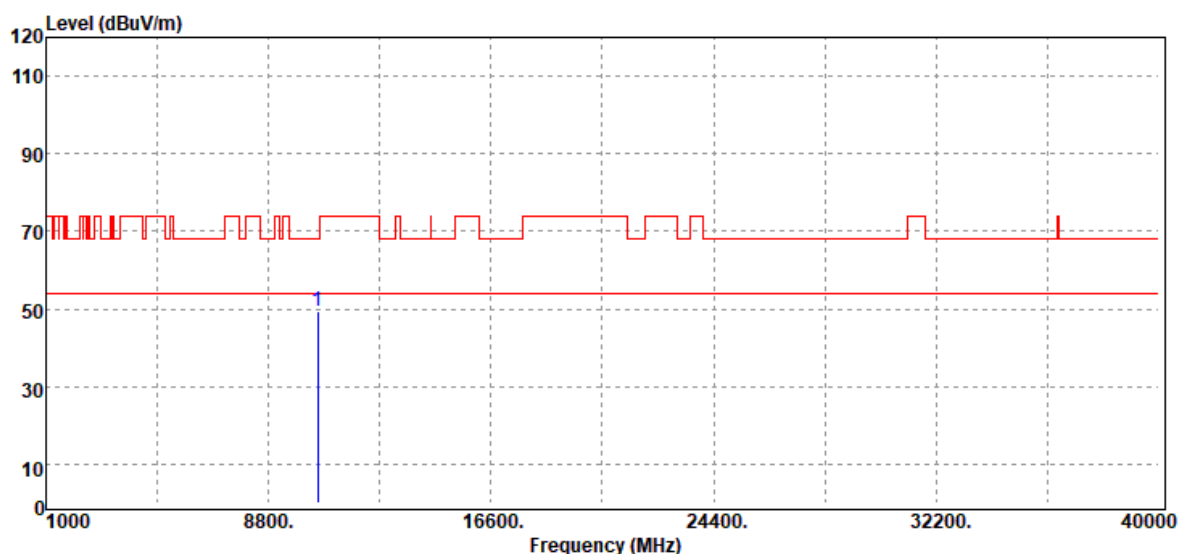


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.00	Peak	34.21	15.05	49.26	68.20	-18.94
N/A						

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 / 5260 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

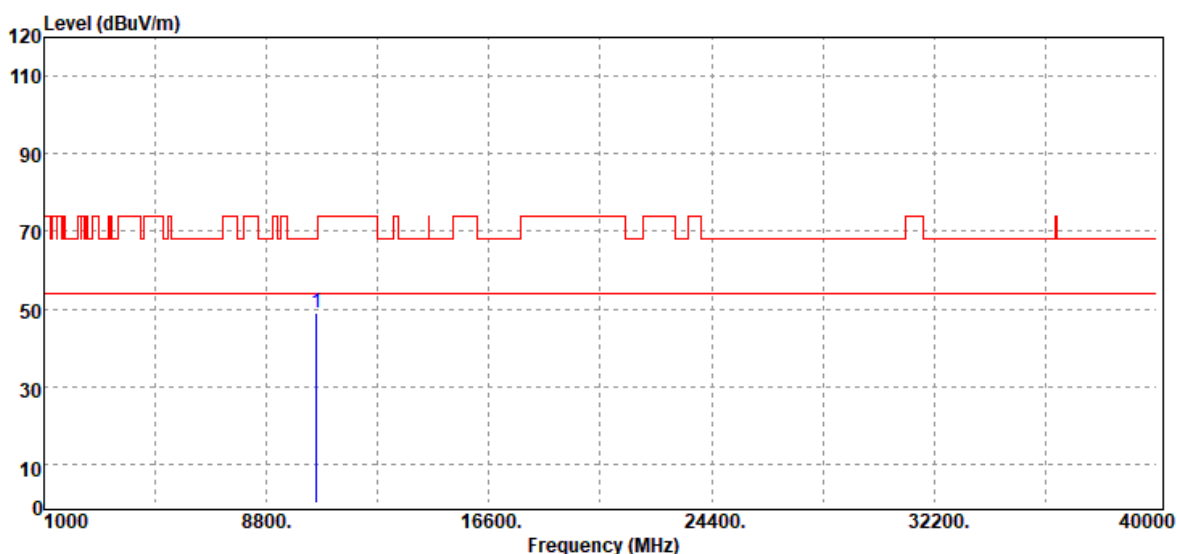


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.00	Peak	34.25	15.05	49.30	68.20	-18.90
N/A						

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 / 5280 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

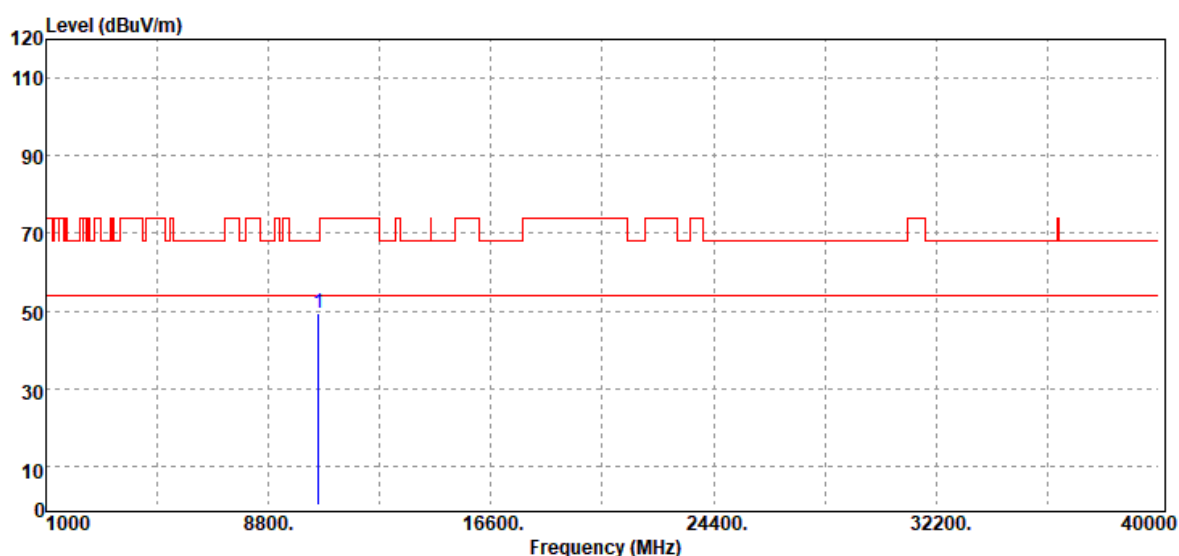


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10560.00	Peak	33.97	15.05	49.02	68.20	-19.18
N/A						

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 20 MHz / 5280 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

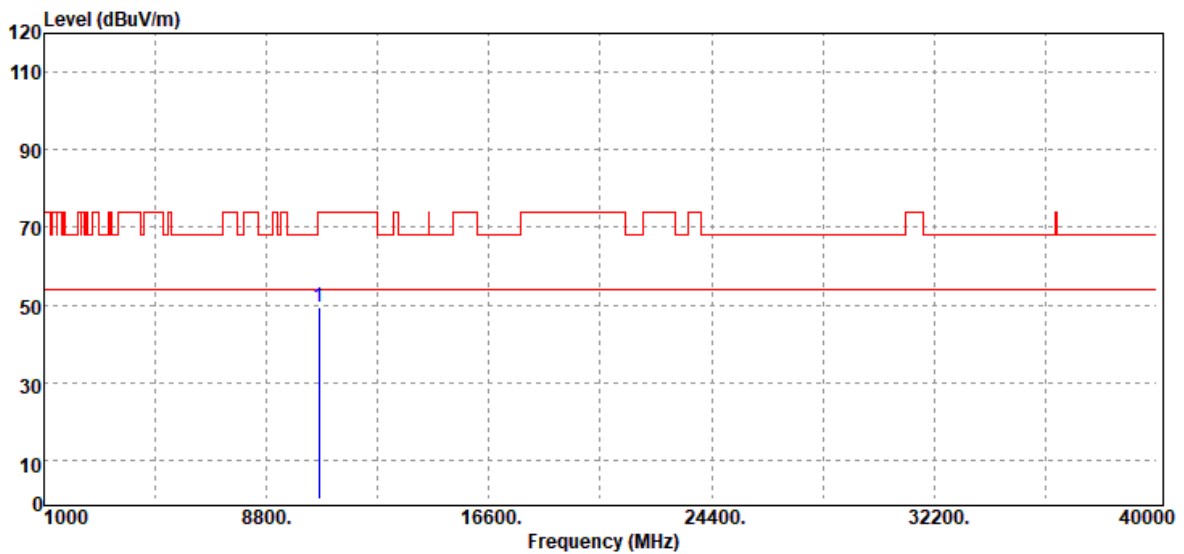


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10560.00	Peak	34.43	15.05	49.48	68.20	-18.72
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

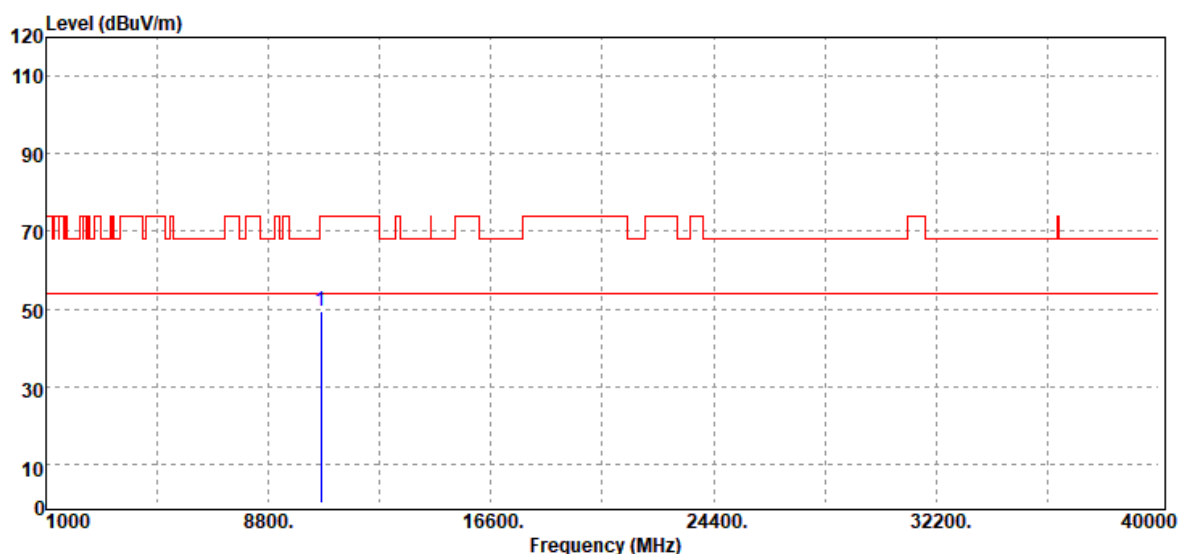


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Peak	34.02	15.51	49.53	74.00	-24.47
N/A						

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 802.11n 20 MHz / 5320 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

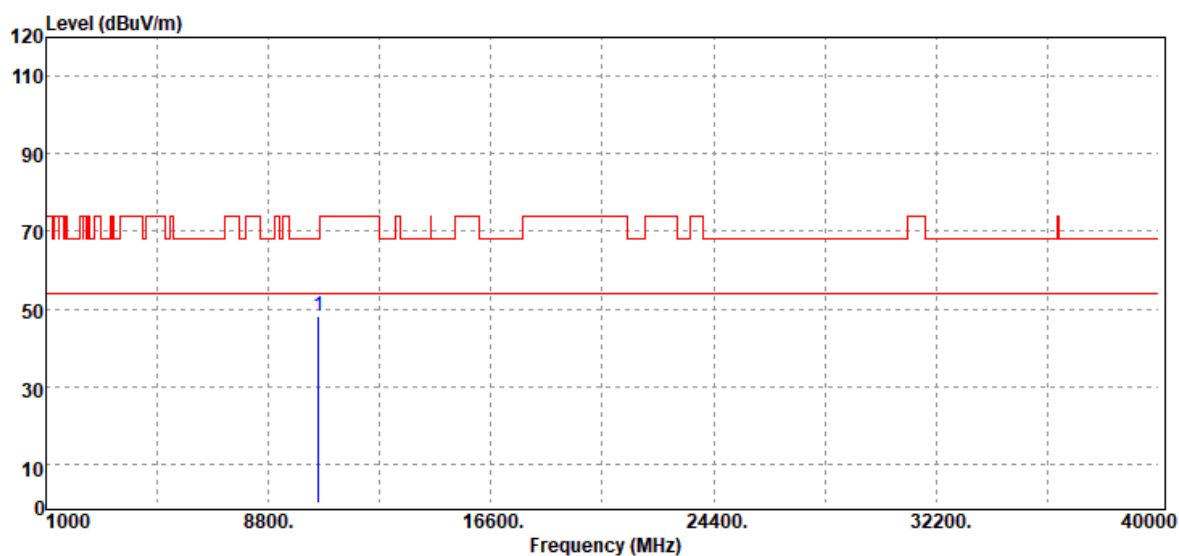


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10640.00	Peak	33.94	15.51	49.45	74.00	-24.55
N/A						

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 / 5270 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

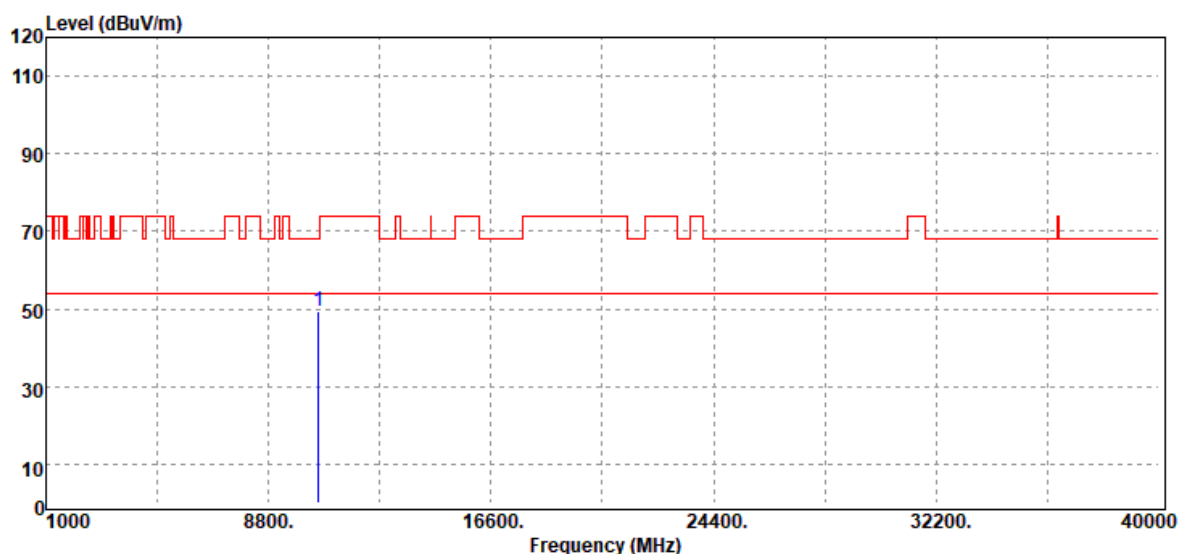


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10540.00	Peak	33.29	15.05	48.34	68.20	-19.86
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of 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	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

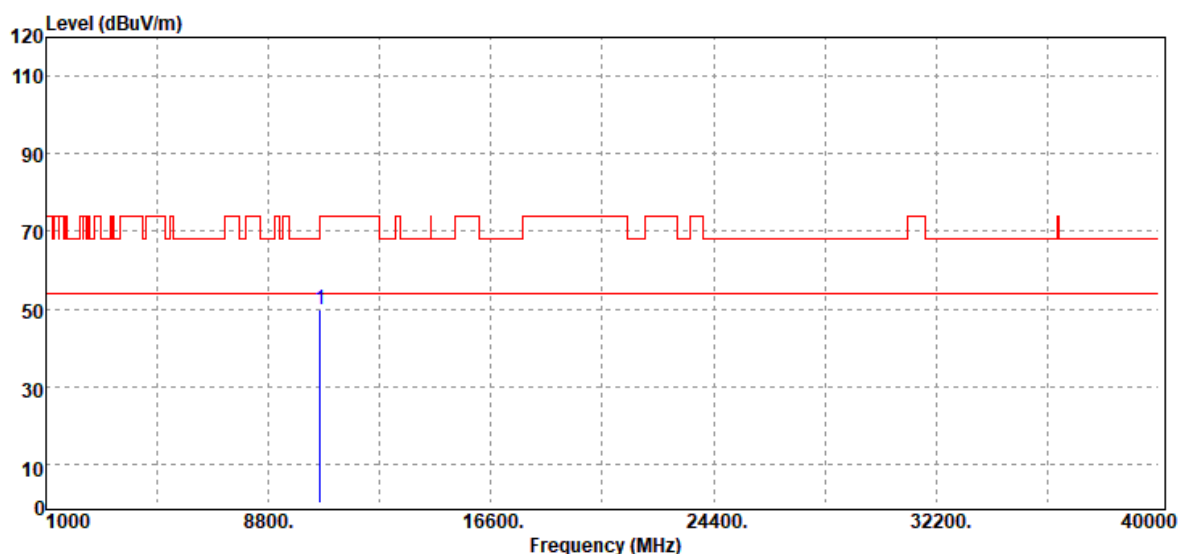


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10540.00	Peak	34.44	15.05	49.49	68.20	-18.71
N/A						

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 40 MHz / 5310 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

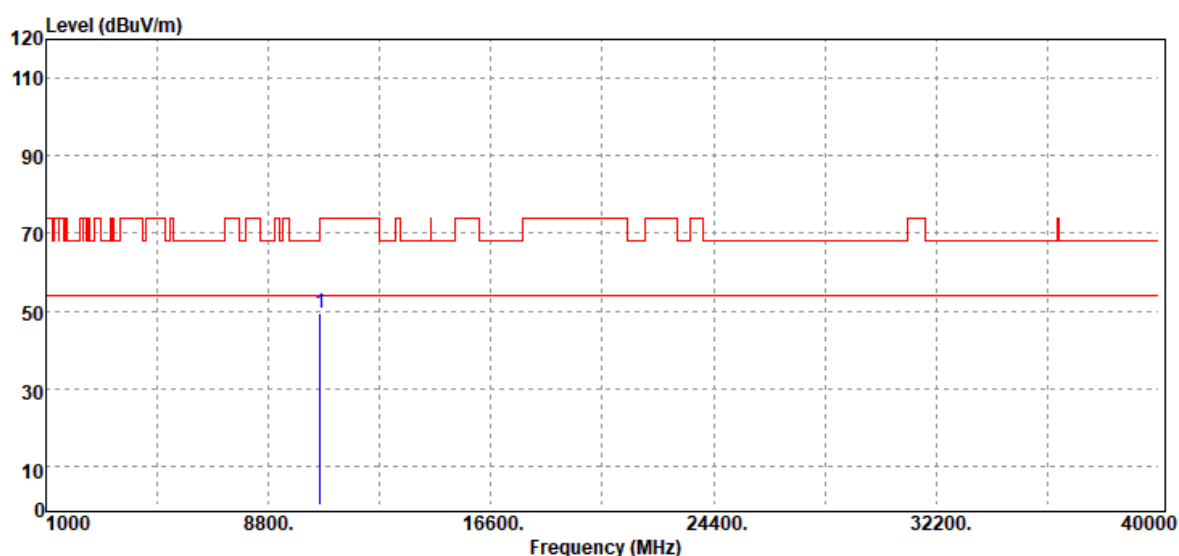


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10620.00	Peak	34.57	15.28	49.85	74.00	-24.15
N/A						

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 / 5310 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

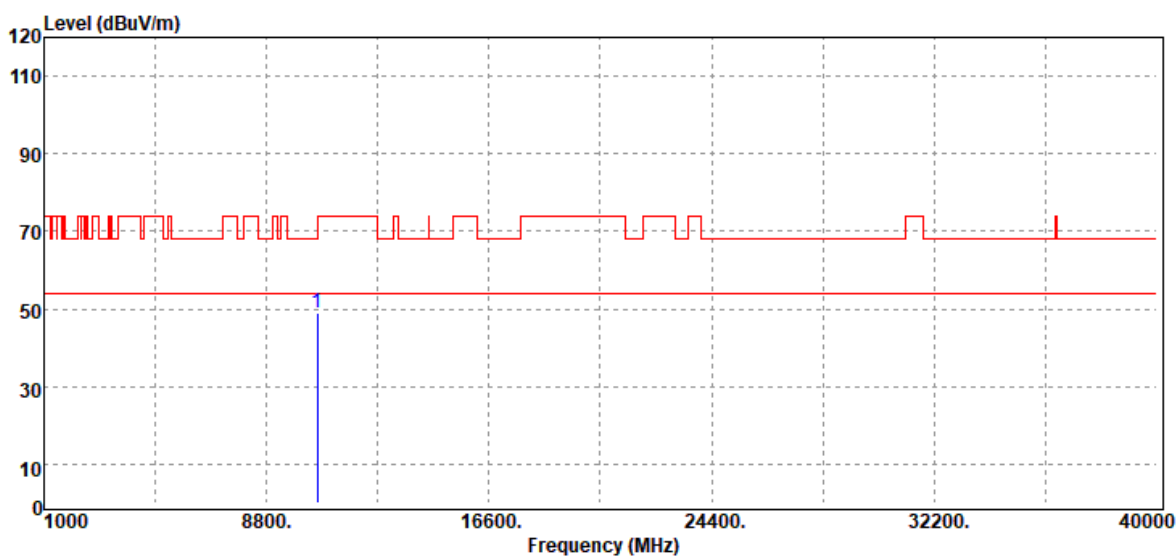


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10620.00	Peak	34.21	15.28	49.49	74.00	-24.51
N/A						

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 802.11ac VHT80 / 5290 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

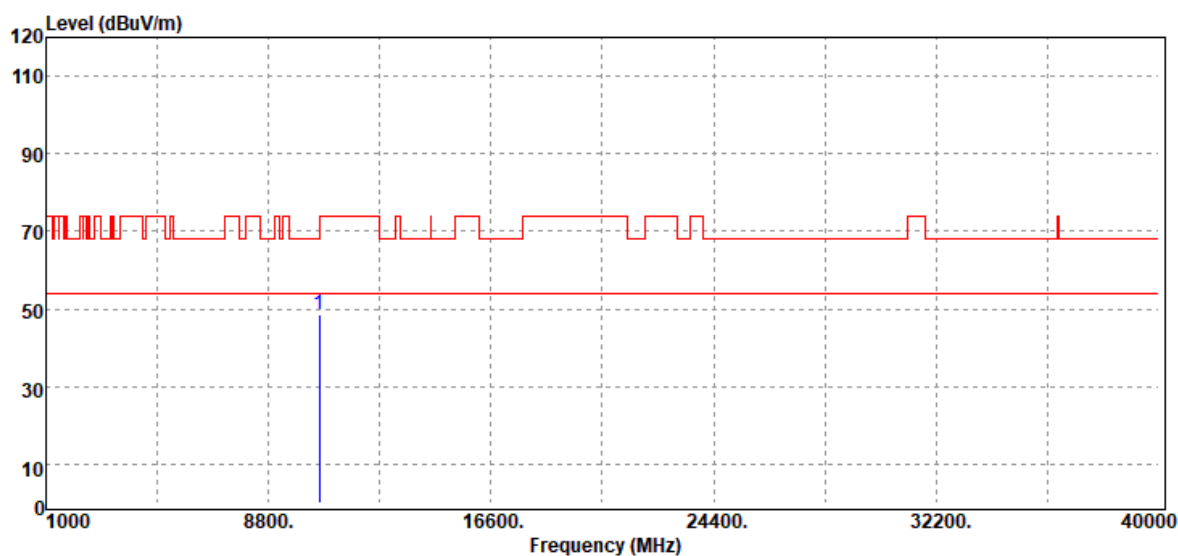


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10580.00	Peak	33.83	15.06	48.89	68.20	-19.31
N/A						

Remark:

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

Test Mode	IEEE 802.11ac VHT80 / 5290 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



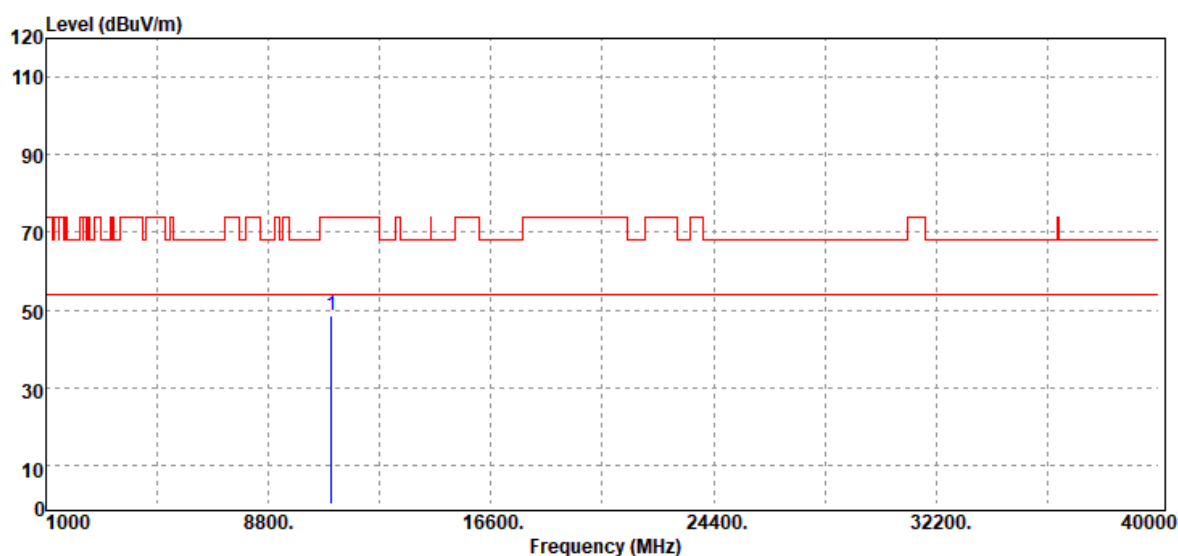
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10580.00	Peak	33.67	15.06	48.73	68.20	-19.47
N/A						

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 Data for UNII-2c

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

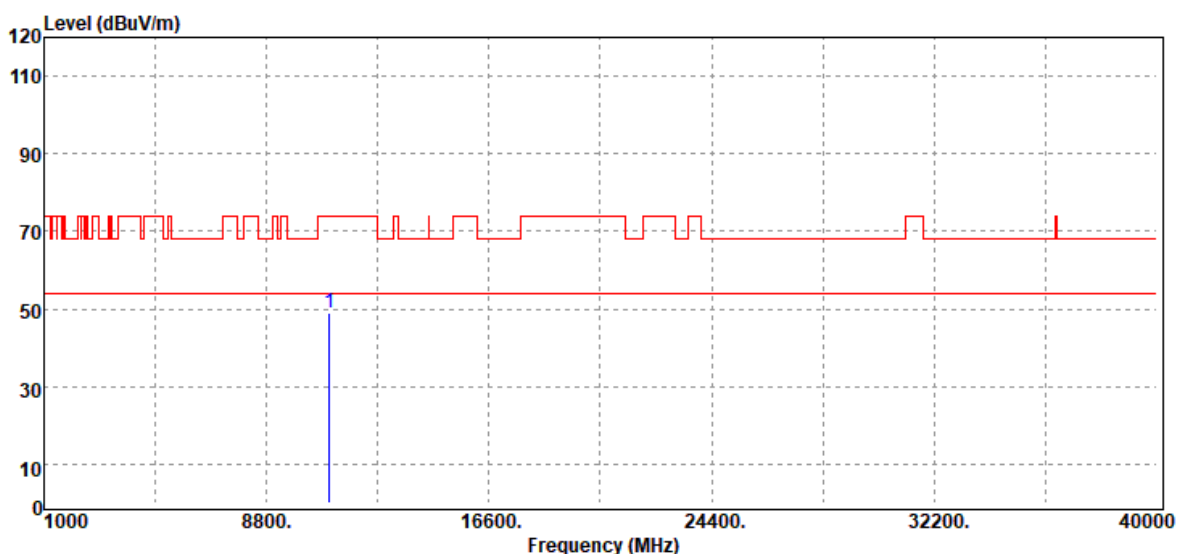


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.00	Peak	32.52	16.02	48.54	74.00	-25.46
N/A						

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 802.11a / 5500 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 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	33.13	16.02	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 802.11a / 5580 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

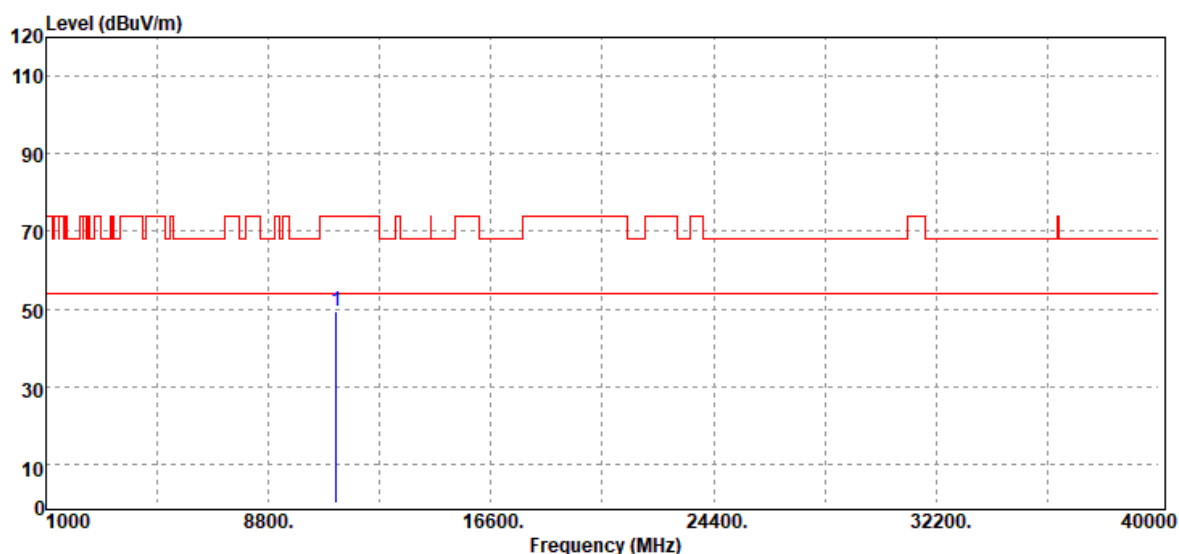


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11160.00	Peak	33.05	16.70	49.75	74.00	-24.25
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of 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	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

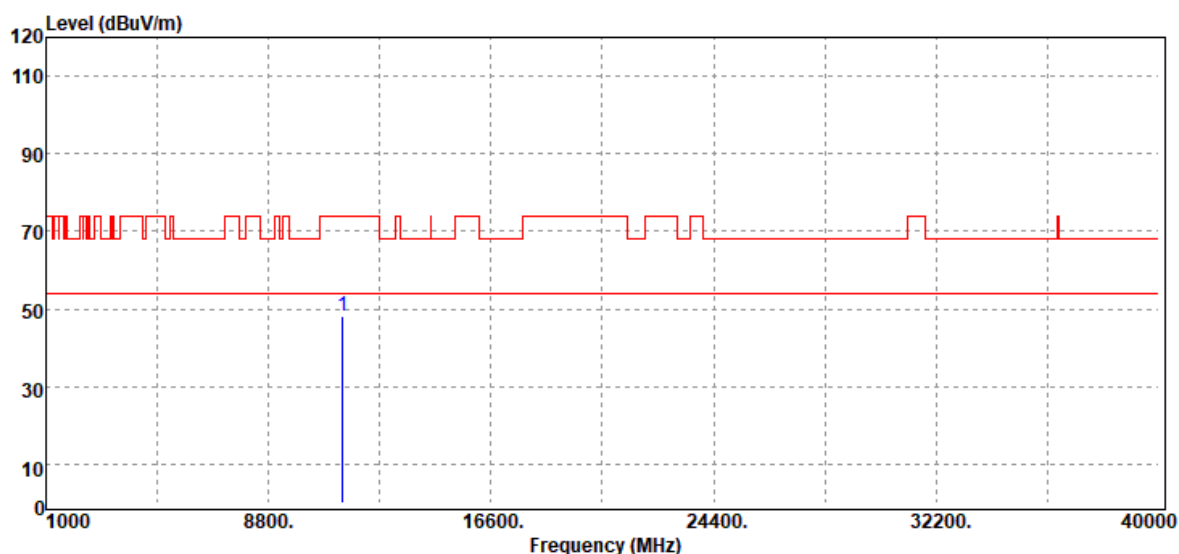


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11160.00	Peak	32.54	16.70	49.24	74.00	-24.76
N/A						

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 802.11a / 5700 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 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	32.12	16.18	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 802.11a / 5700 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

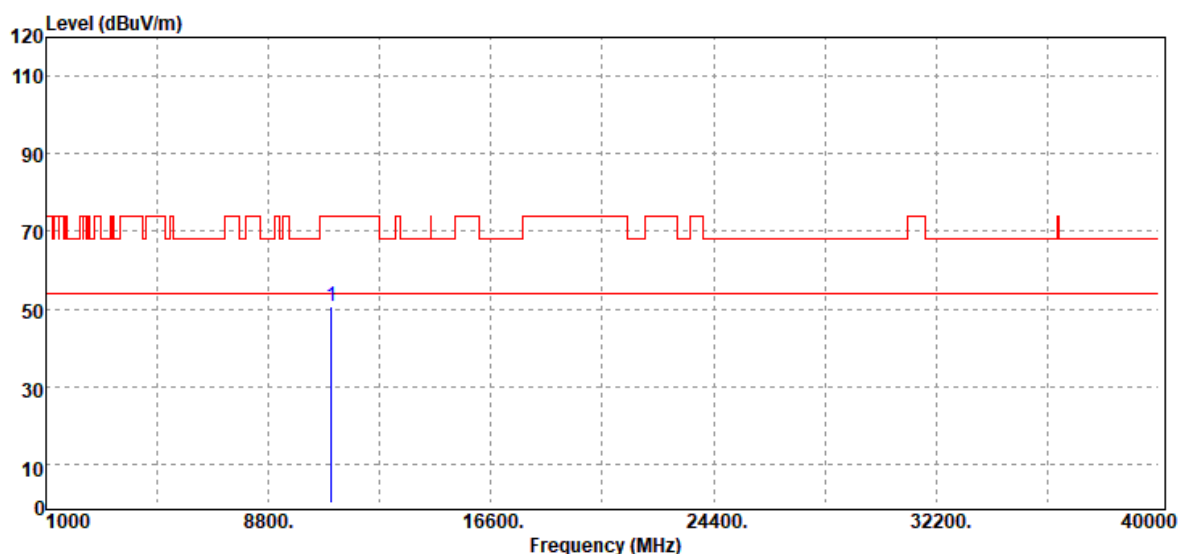


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.00	Peak	32.00	16.18	48.18	74.00	-25.82
N/A						

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 / 5500 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

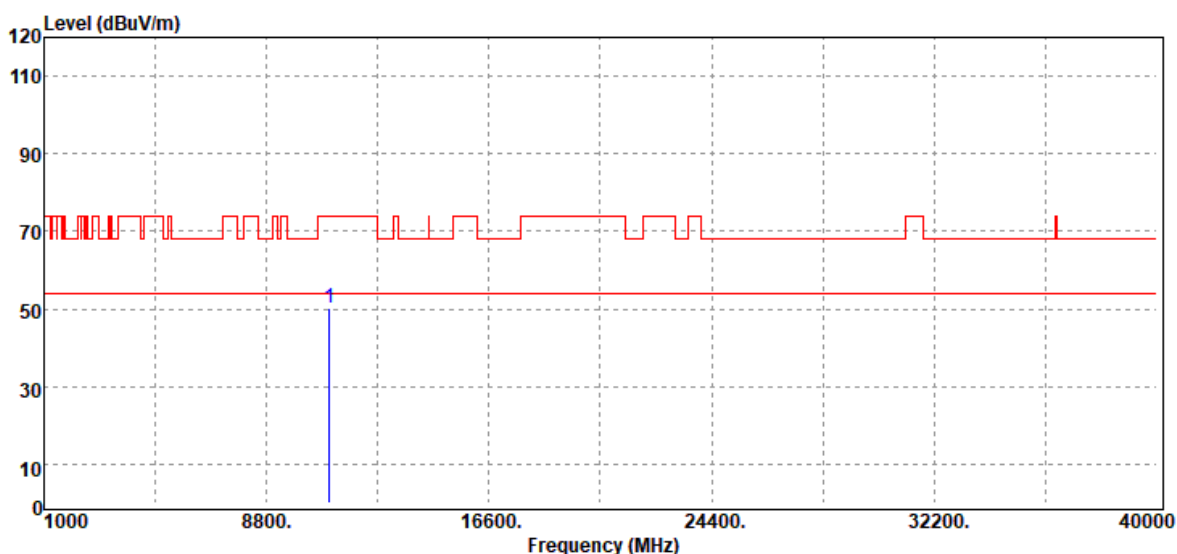


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.00	Peak	34.52	16.02	50.54	74.00	-23.46
N/A						

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 / 5500 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

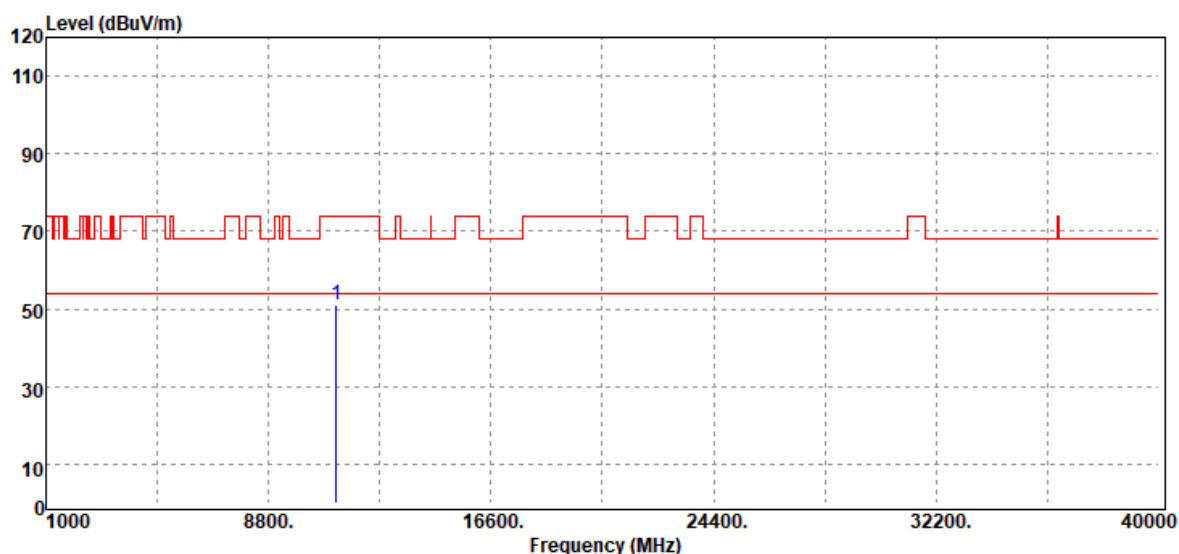


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Peak	34.25	16.02	50.27	74.00	-23.73
N/A						

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 / 5580 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

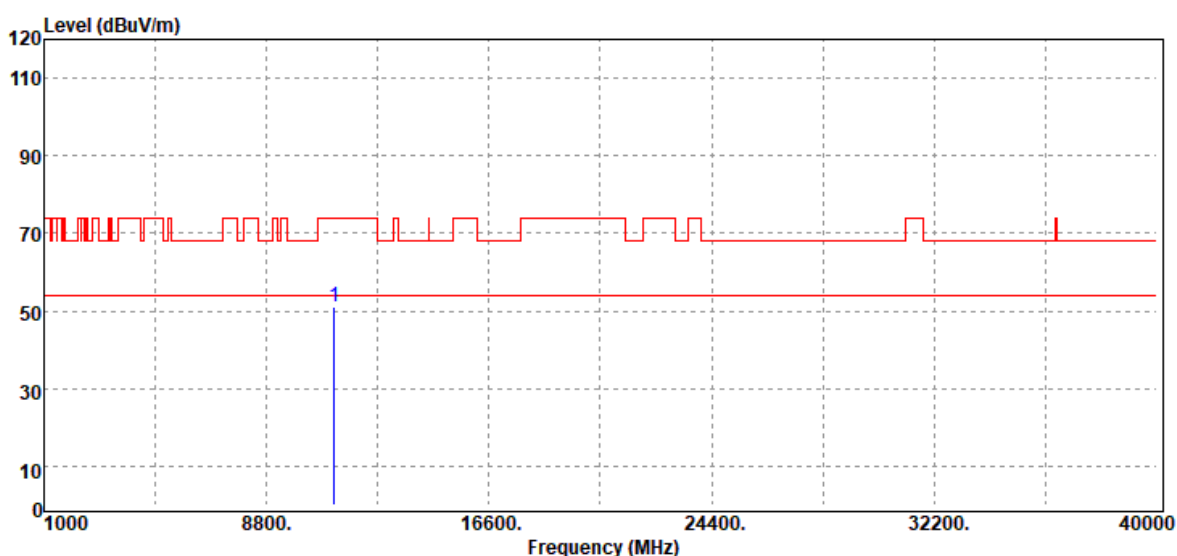


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.00	Peak	34.52	16.70	51.22	74.00	-22.78
N/A						

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 20 MHz / 5580 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

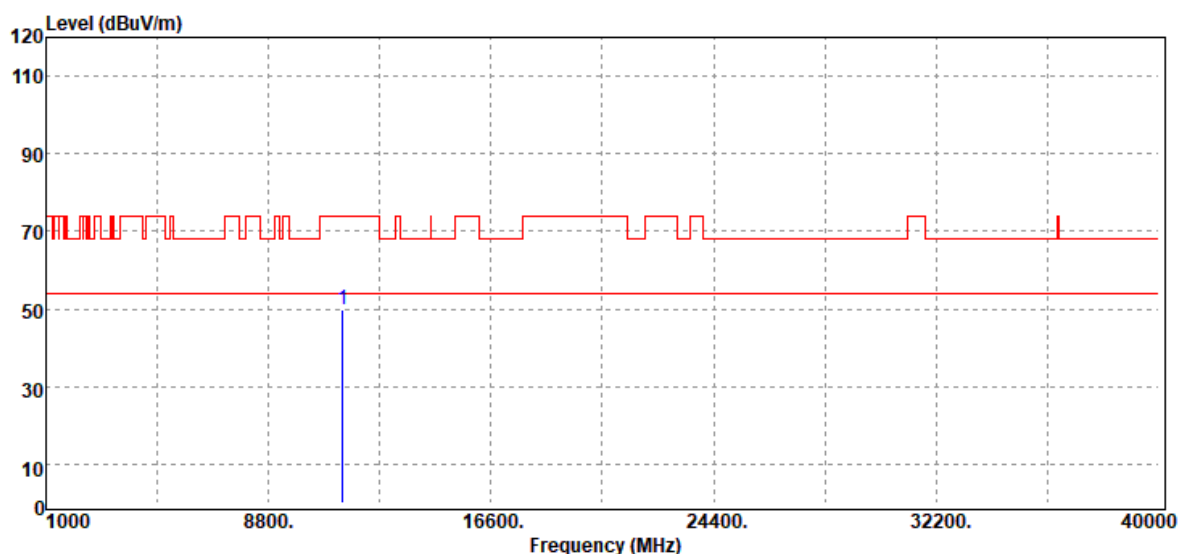


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11160.00	Peak	34.19	16.70	50.89	74.00	-23.11
N/A						

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 20 MHz / 5700 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

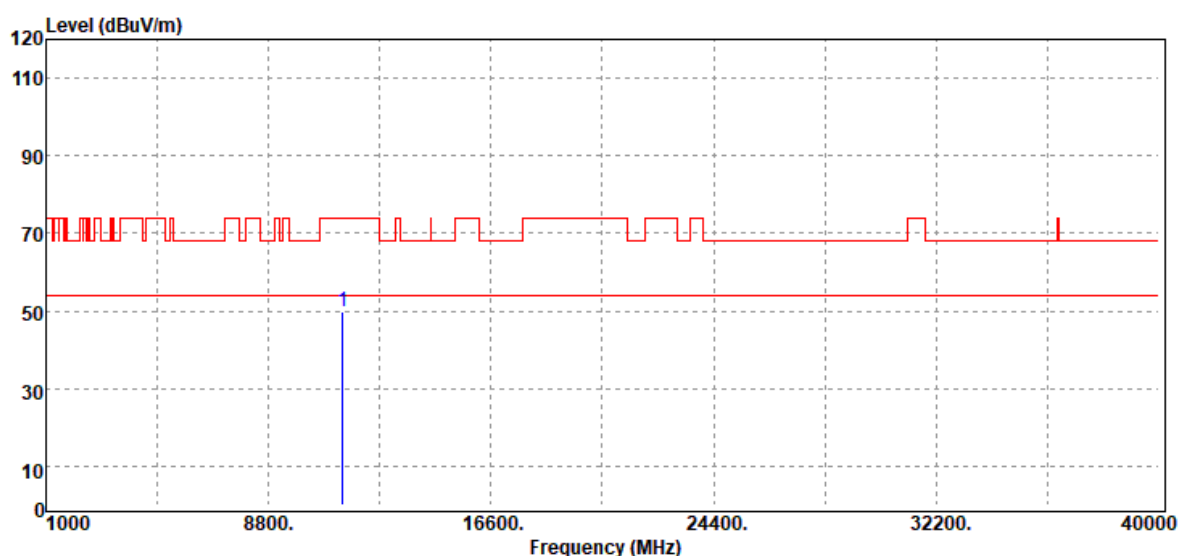


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Peak	33.46	16.18	49.64	74.00	-24.36
N/A						

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 / 5700 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

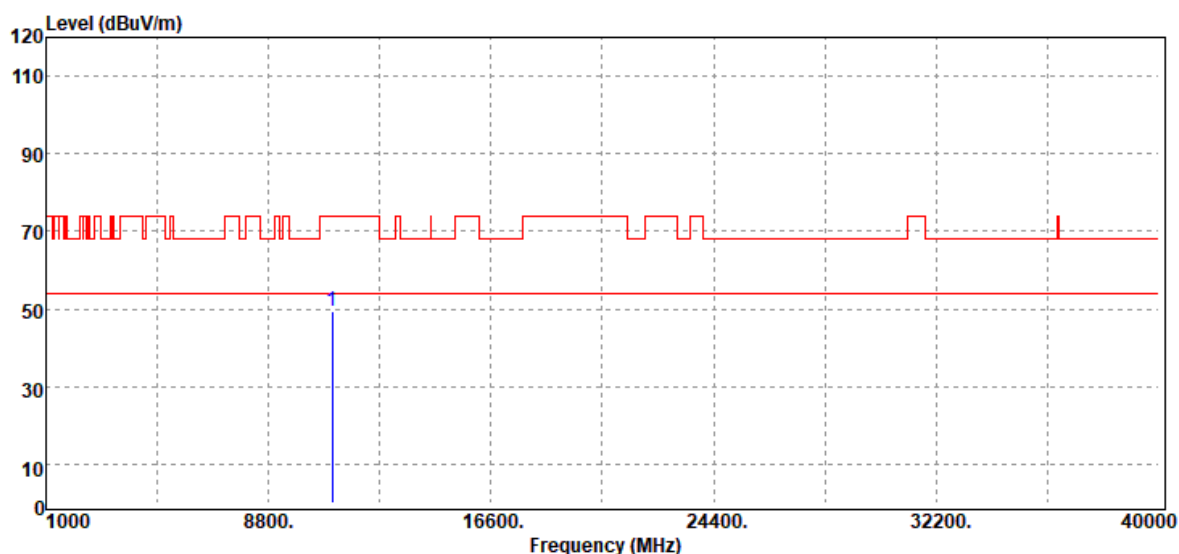


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.00	Peak	33.47	16.18	49.65	74.00	-24.35
N/A						

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 / 5510 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

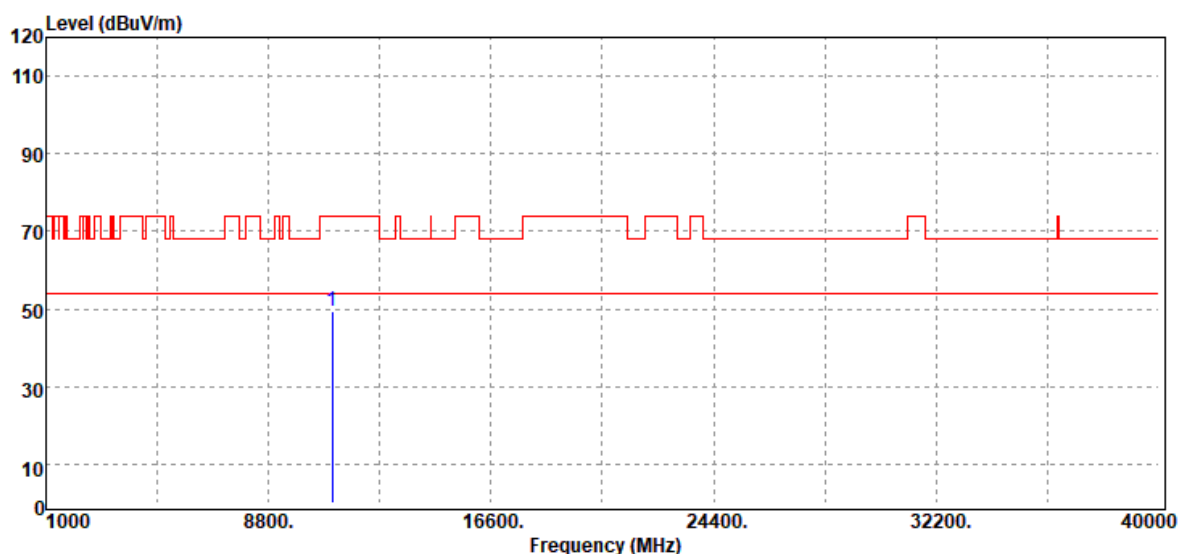


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11020.00	Peak	33.40	16.18	49.58	74.00	-24.42
N/A						

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 802.11n 40 MHz / 5510 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

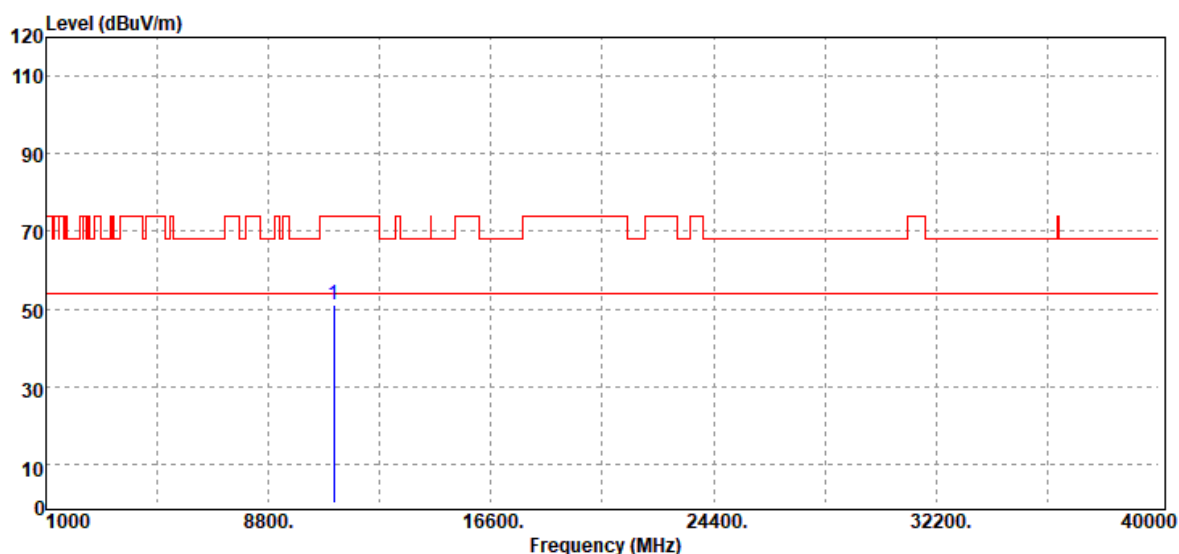


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11020.00	Peak	33.32	16.18	49.50	74.00	-24.50
N/A						

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 40 MHz / 5550 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

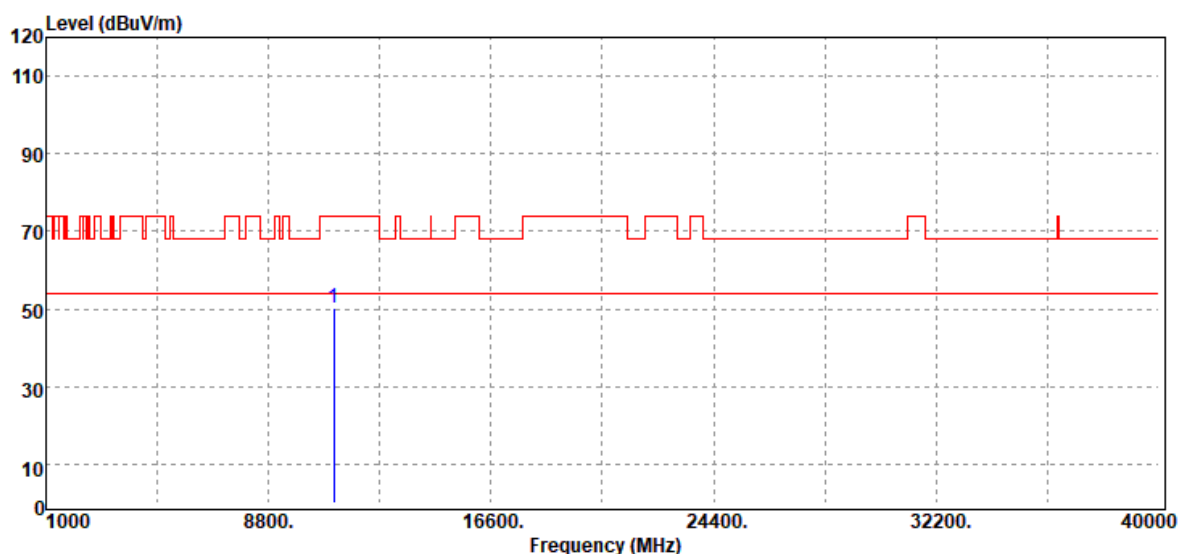


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11100.00	Peak	34.42	16.55	50.97	74.00	-23.03
N/A						

Remark:

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

Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

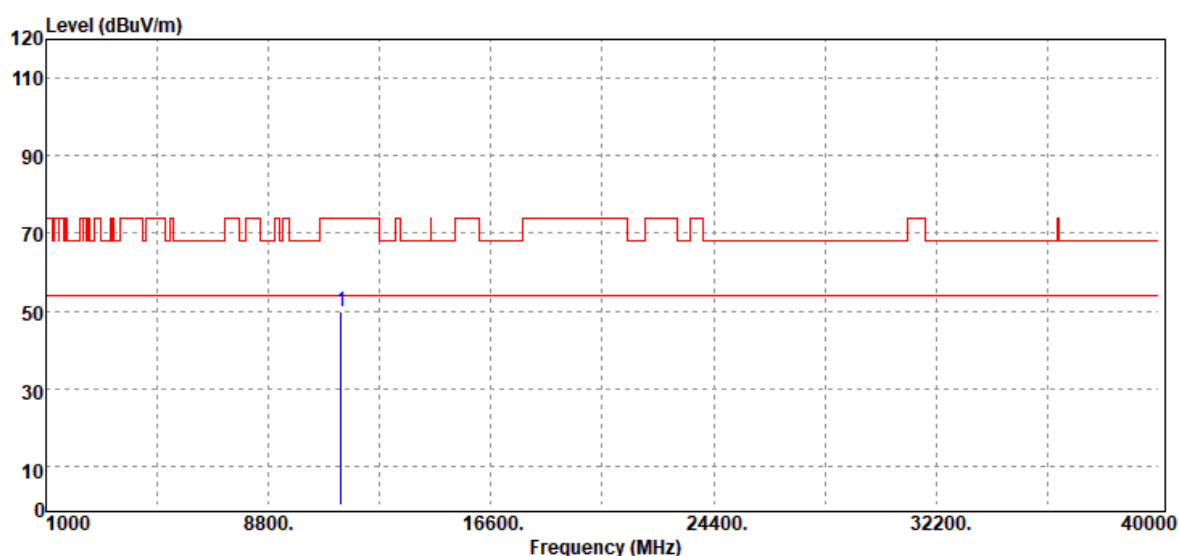


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11100.00	Peak	33.80	16.55	50.35	74.00	-23.65
N/A						

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	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

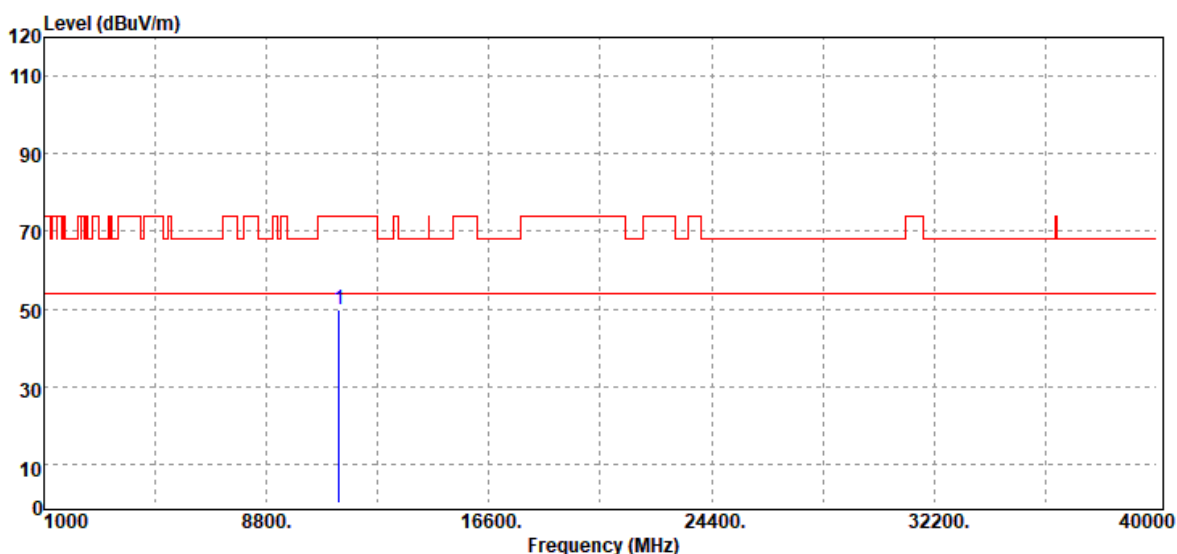


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11340.00	Peak	33.27	16.43	49.70	74.00	-24.30
N/A						

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 40 MHz / 5670 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

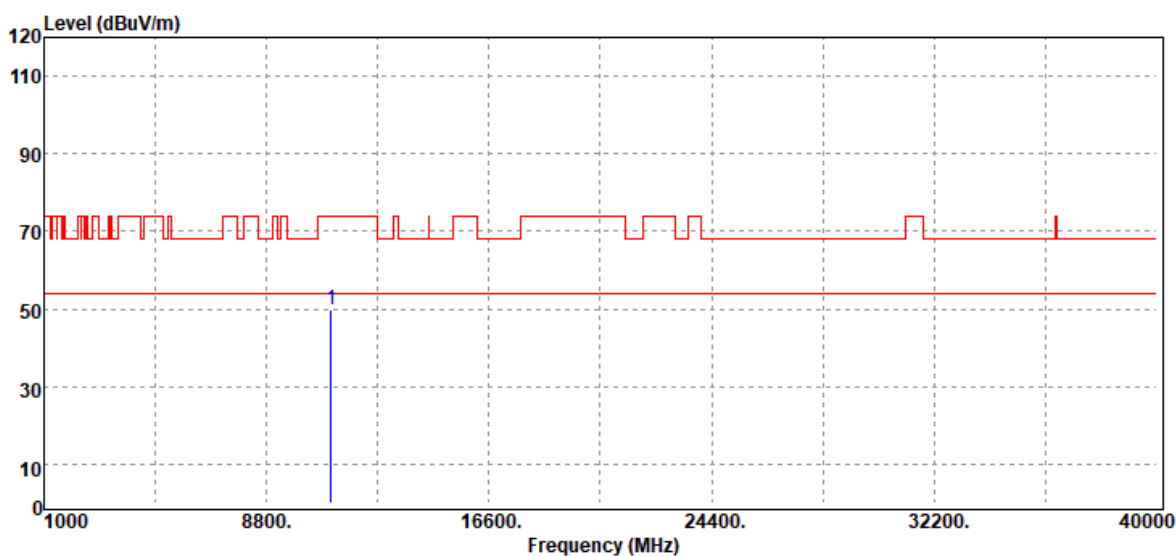


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11340.00	Peak	33.35	16.43	49.78	74.00	-24.22
N/A						

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	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

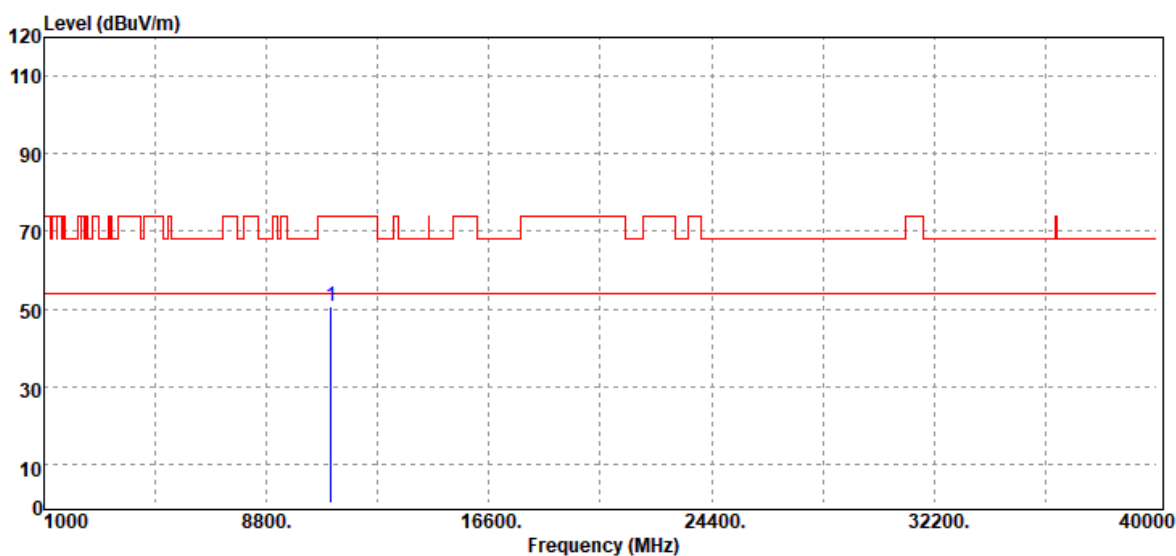


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11060.00	Peak	33.57	16.45	50.02	74.00	-23.98
N/A						

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 802.11ac VHT80 / 5530 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



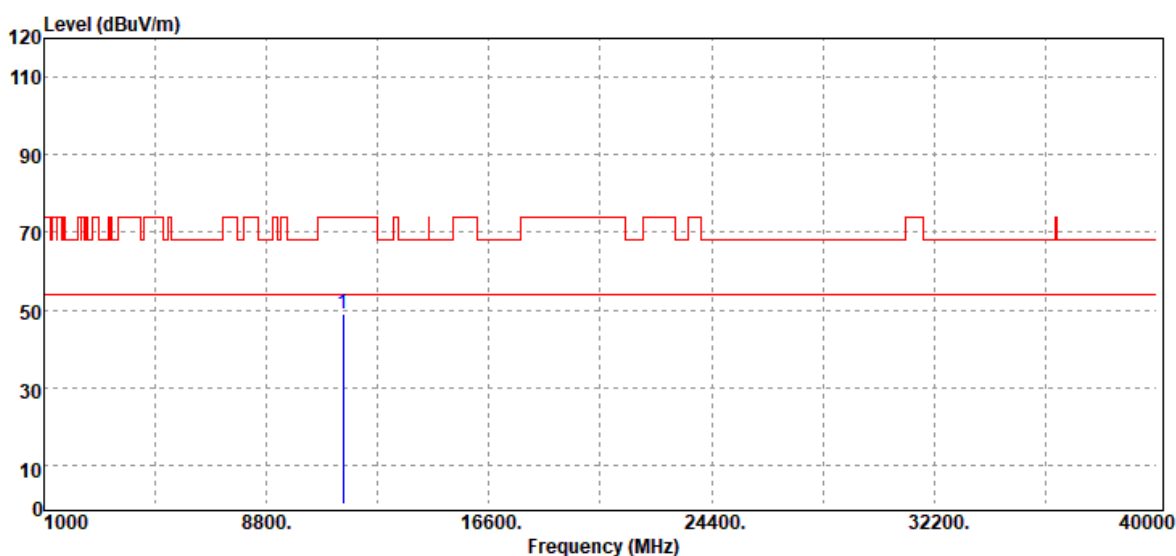
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11060.00	Peak	34.39	16.45	50.84	74.00	-23.16
N/A						

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 Data for UNII-3

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 27, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

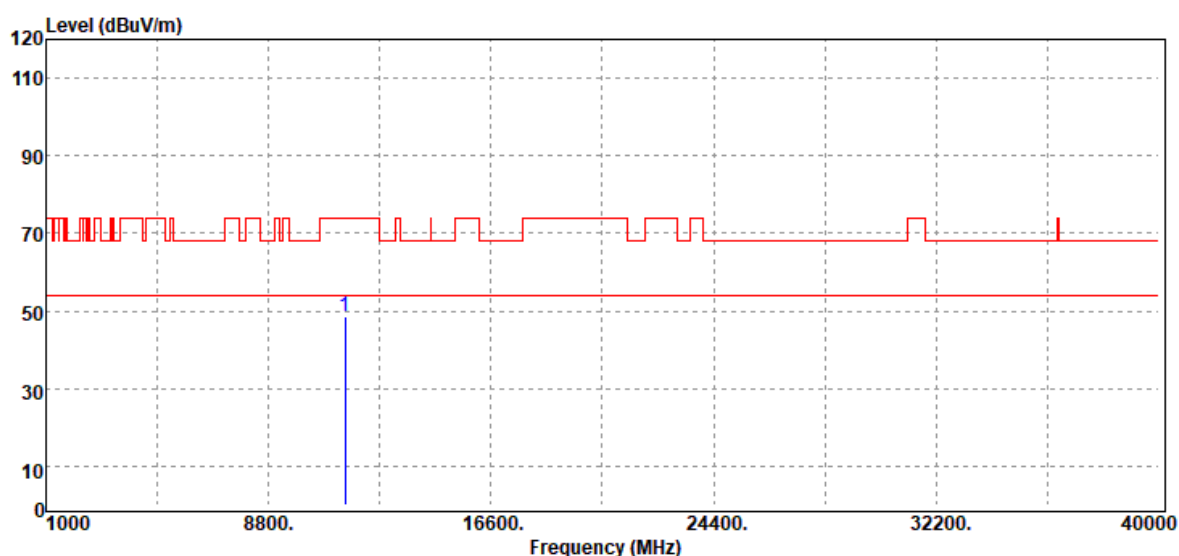


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.00	Peak	33.03	16.01	49.04	74.00	-24.96
N/A						

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 / 5745 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 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	32.73	16.01	48.74	74.00	-25.26
N/A						

Remark:

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

Test Mode	IEEE 802.11a / 5785 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

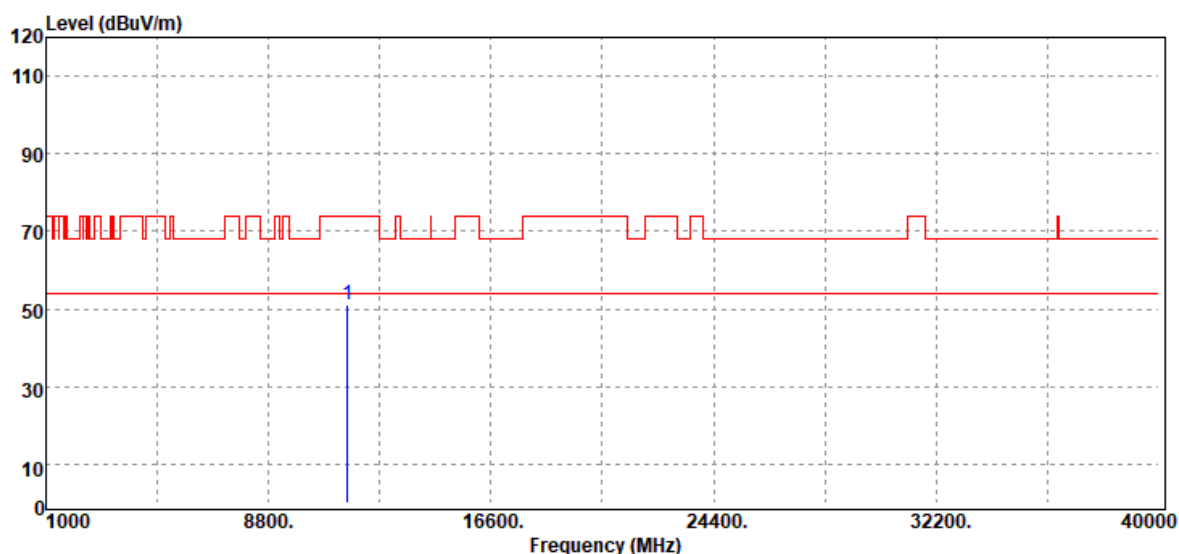


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.00	Peak	35.76	16.08	51.84	74.00	-22.16
N/A						

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 / 5785 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

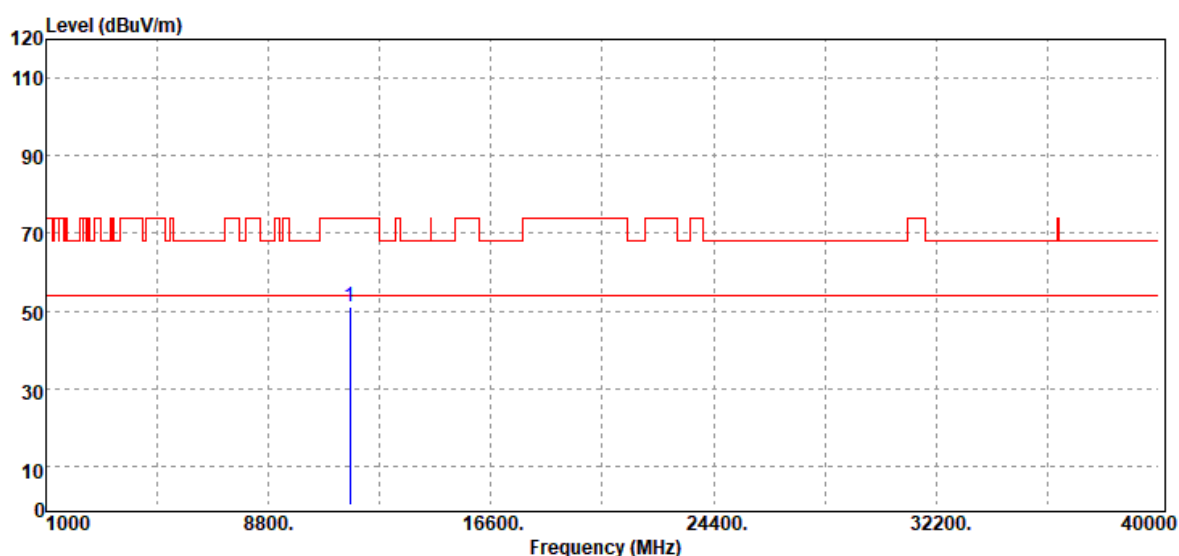


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.00	Peak	34.88	16.08	50.96	74.00	-23.04
N/A						

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 802.11a / 5825 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

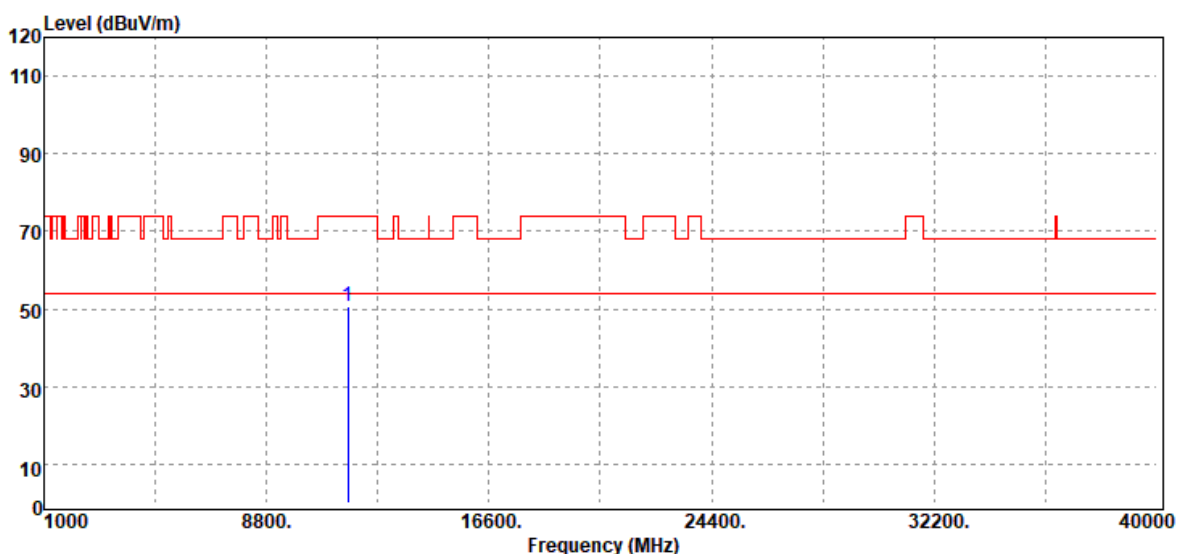


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.00	Peak	35.11	16.06	51.17	74.00	-22.83
N/A						

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 / 5825 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

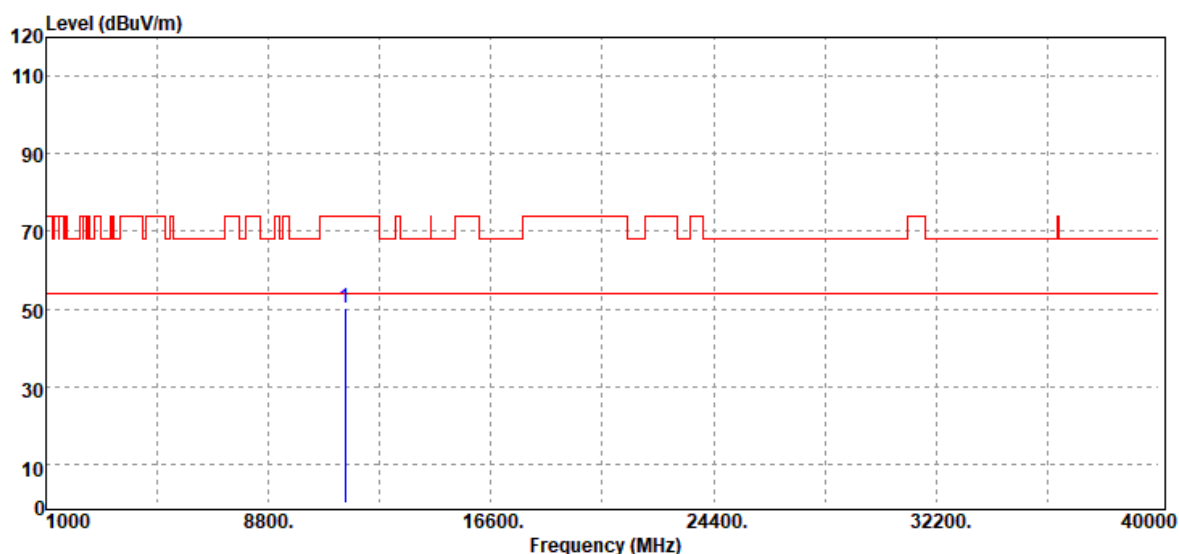


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.00	Peak	34.52	16.06	50.58	74.00	-23.42
N/A						

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 802.11n 20 MHz / 5745 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Peak	34.08	16.01	50.09	74.00	-23.91
N/A						

Remark:

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

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

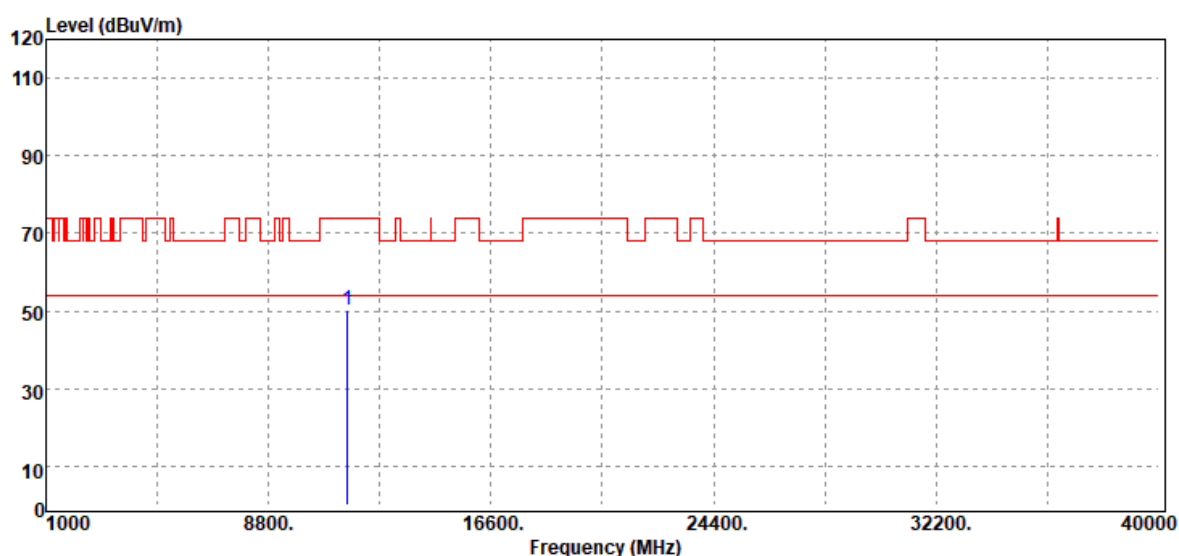


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.00	Peak	32.87	16.01	48.88	74.00	-25.12
N/A						

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 20 MHz/ 5785 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

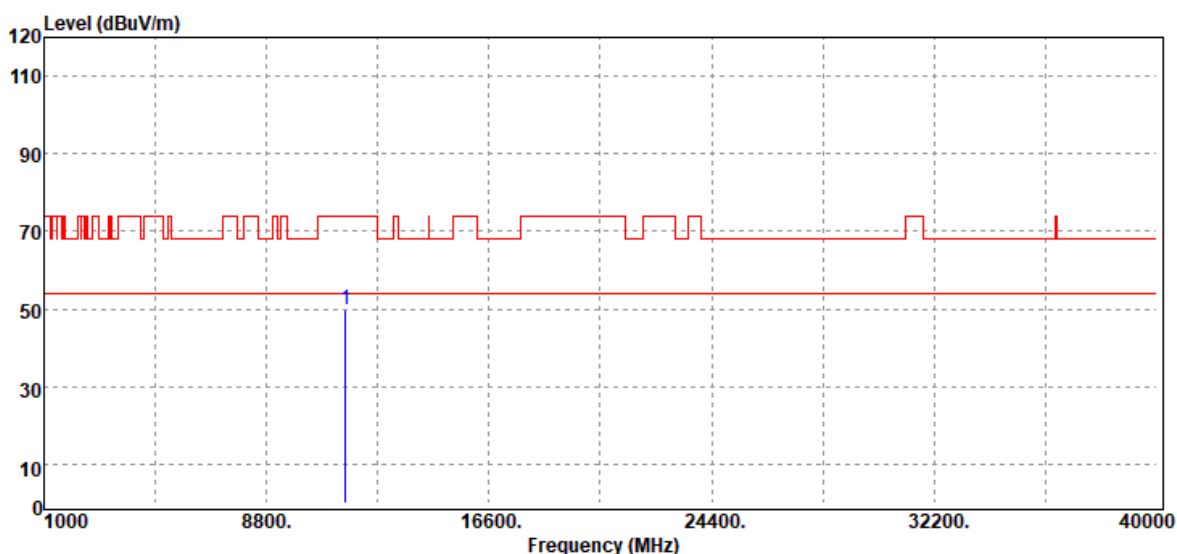


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.00	Peak	34.10	16.08	50.18	74.00	-23.82
N/A						

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/ 5785 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		



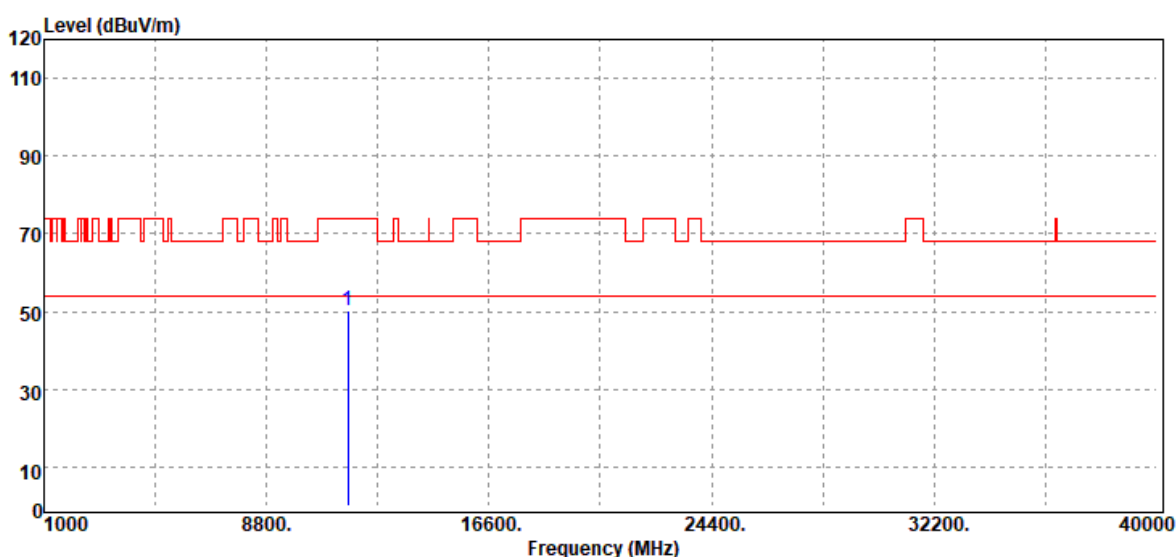
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.00	Peak	33.90	16.08	49.98	74.00	-24.02
N/A						

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

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Test Mode	IEEE 802.11n 20 MHz/ 5825 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

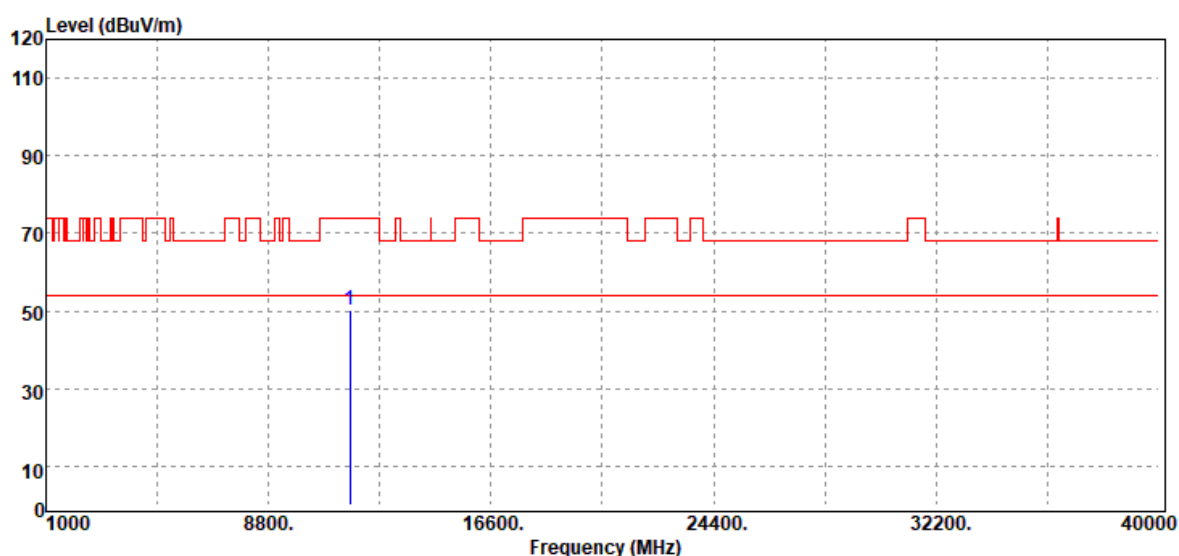


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.00	Peak	34.05	16.06	50.11	74.00	-23.89
N/A						

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/ 5825 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

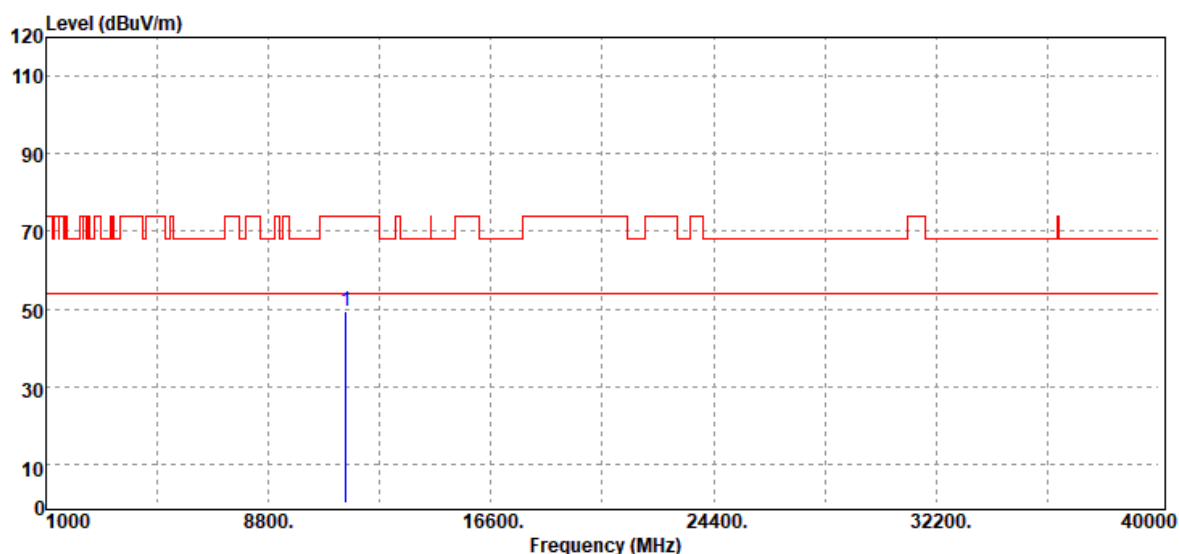


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.00	Peak	34.33	16.06	50.39	74.00	-23.61
N/A						

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 802.11n 40 MHz/ 5755 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11510.00	Peak	33.55	16.01	49.56	74.00	-24.44
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 40 MHz/ 5755 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

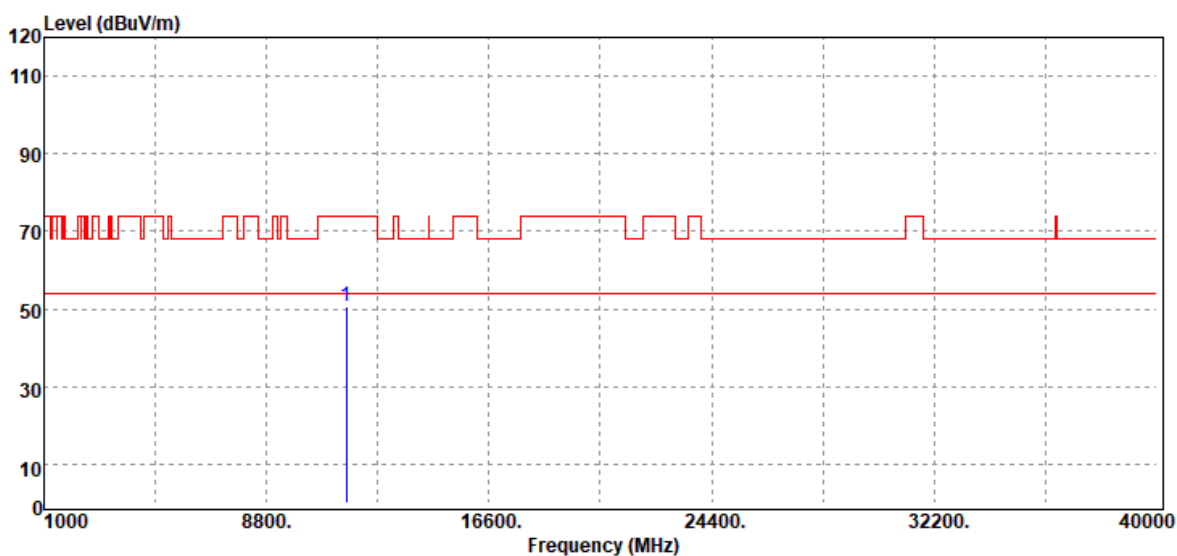


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11510.00	Peak	33.79	16.01	49.80	74.00	-24.20
N/A						

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 802.11n 40 MHz/ 5795 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11590.00	Peak	34.54	16.02	50.56	74.00	-23.44
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 40 MHz/ 5795 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Horizontal	Test Engineer	Jerry Chang
Detector	Peak		

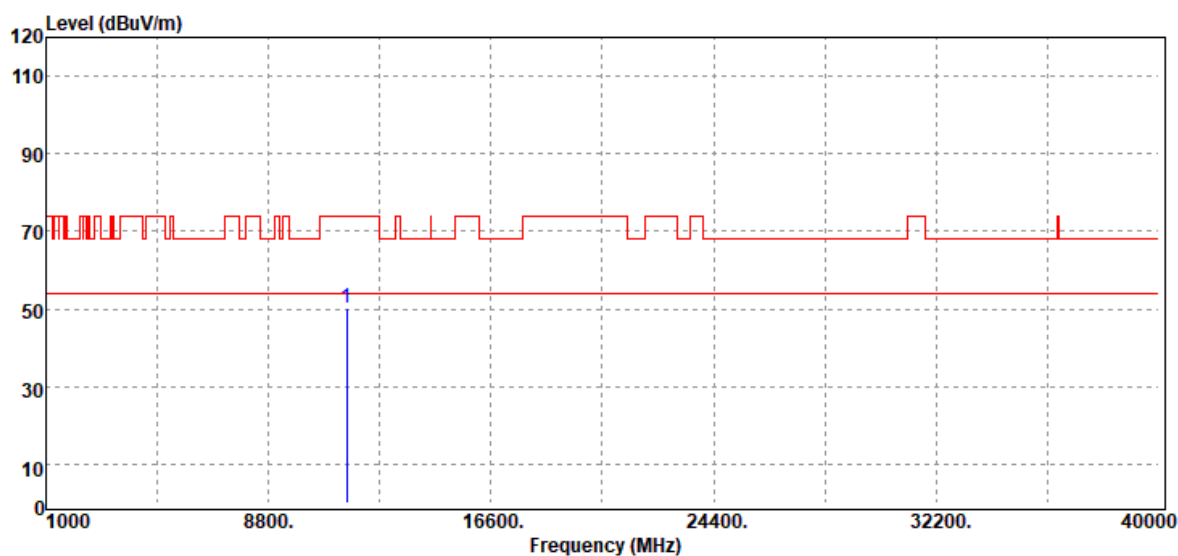


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11590.00	Peak	34.48	16.02	50.50	74.00	-23.50
N/A						

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 802.11ac VHT80/ 5775 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 2020
Polarize	Vertical	Test Engineer	Jerry Chang
Detector	Peak		

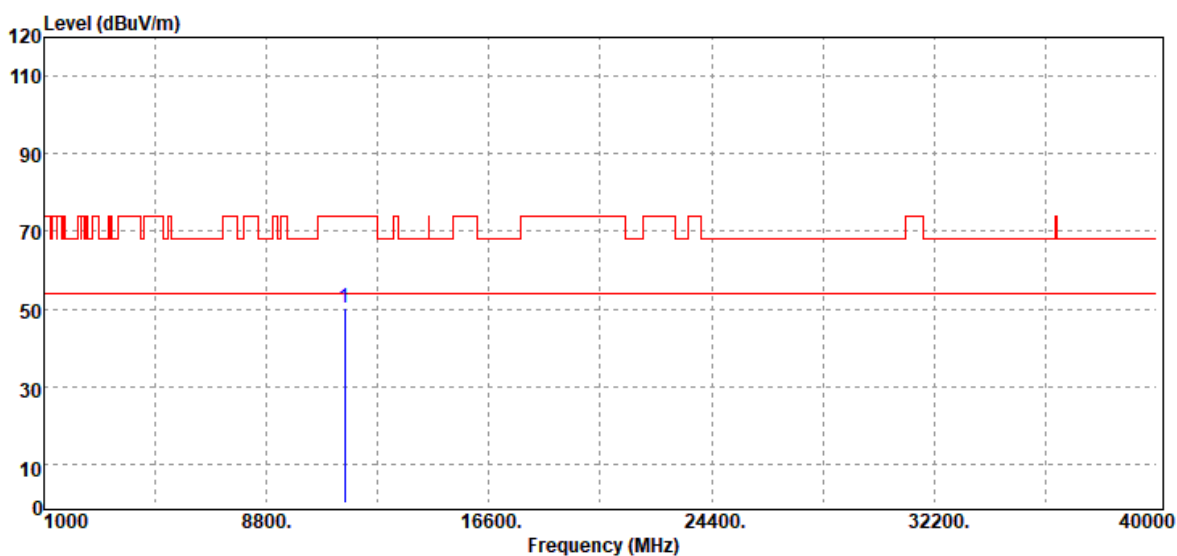


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11550.00	Peak	34.14	16.15	50.29	74.00	-23.71
N/A						

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 802.11ac VHT80/ 5775 MHz	Temp/Hum	17.6(°C)/ 62%RH
Test Item	Harmonic	Test Date	March 30, 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	34.03	16.15	50.18	74.00	-23.82
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

4.6 FREQUENCY STABILITY

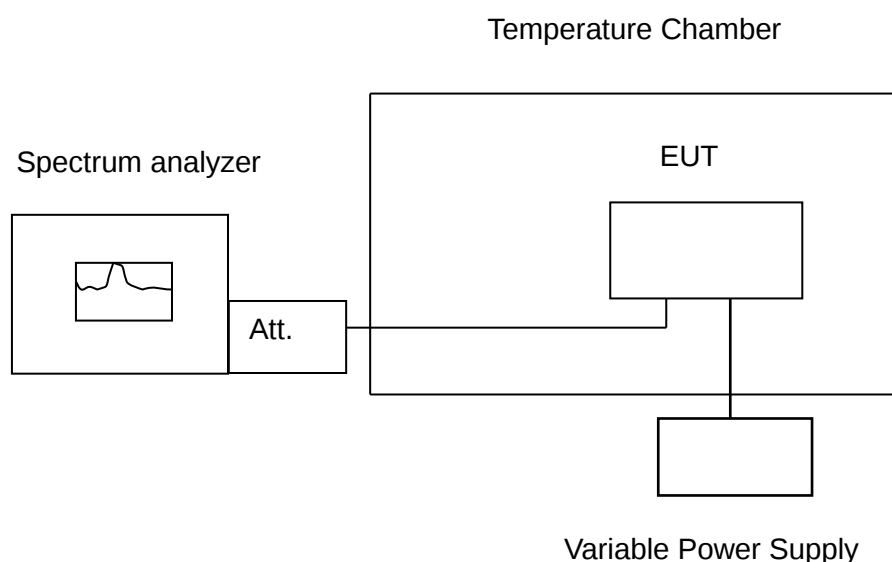
4.6.1 Test Limit

According to §15.407(g) 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°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -35°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +65°C reached.

4.6.3 Test Setup



4.6.4 Test Result

Temp. (°C)	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	
35	120	5180.00105	5180.00105	5180.00105	5180.00106	0.2035	0.2033	0.2031	0.2039	Pass
25	120	5180.00105	5180.00105	5180.00108	5180.00105	0.2031	0.2033	0.2087	0.2027	Pass
10	120	5180.00105	5180.00105	5180.00105	5180.00105	0.2029	0.2025	0.2025	0.2031	Pass
Temp. (°C)	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	108	5180.00103	5180.00103	5180.00103	5180.00103	0.1992	0.1990	0.1986	0.1994	Pass
25	120	5180.00103	5180.00103	5180.00102	5180.00102	0.1994	0.1985	0.1977	0.1969	Pass
25	132	5180.00103	5180.00103	5180.00102	5180.00102	0.1994	0.1985	0.1977	0.1969	Pass

Temp. (°C)	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	
35	120	5260.00106	5260.00105	5260.00105	5260.00105	0.2010	0.2004	0.2002	0.1998	Pass
25	120	5260.00106	5260.00105	5260.00105	5260.00105	0.2008	0.1996	0.1994	0.1992	Pass
10	120	5260.00106	5260.00105	5260.00105	5260.00105	0.2006	0.1992	0.1994	0.1989	Pass
Temp. (°C)	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	108	5260.00107	5260.00107	5260.00107	5260.00168	0.2030	0.2027	0.2030	0.3194	Pass
25	120	5260.00107	5260.00107	5260.00106	5260.00157	0.2032	0.2032	0.2010	0.2985	Pass
25	132	5260.00107	5260.00107	5260.00107	5260.00169	0.2028	0.2030	0.2029	0.3213	Pass



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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	
35	120	5499.99137	5499.99138	5499.99132	5499.99131	-1.5691	-1.5673	-1.5782	-1.5800	Pass
25	120	5499.99135	5499.99136	5499.99137	5499.99136	-1.5727	-1.5709	-1.5691	-1.5709	Pass
10	120	5499.99134	5499.99130	5499.99130	5499.99870	-1.5745	-1.5818	-1.5818	-0.2364	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	108	5499.99566	5499.99606	5499.99653	5499.99696	-0.7891	-0.7164	-0.6309	-0.5527	Pass
25	120	5499.99783	5499.99826	5499.99826	5499.99783	-0.3945	-0.3164	-0.3164	-0.3945	Pass
25	132	5499.99870	5499.82600	5499.99870	5499.99570	-0.2364	-31.6364	-0.2364	-0.7818	Pass

Temp. (°C)	Voltage (V)	Measured Frequency	5745		(MHz)	Limit				Result
		Time (min)				20ppm				
Operating Frequency:		0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min	
35	120	5744.99864	5744.99868	5744.99867	5744.99865	-0.2367	-0.2298	-0.2315	-0.2350	Pass
25	120	5744.99867	5744.99869	5744.99868	5744.99869	-0.2315	-0.2280	-0.2298	-0.2280	Pass
10	120	5744.99870	5744.99873	5744.99874	5744.99873	-0.2263	-0.2211	-0.2193	-0.2211	Pass
Temp. (°C)	Voltage (V)	Measured Frequency	5745		(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	108	5744.99801	5744.99812	5744.99802	5744.99804	-0.3464	-0.3272	-0.3446	-0.3412	Pass
25	120	5744.99802	5744.99811	5744.99803	5744.99805	-0.3446	-0.3290	-0.3429	-0.3394	Pass
25	132	5744.99806	5744.99807	5744.99806	5744.99807	-0.3377	-0.3359	-0.3377	-0.3359	Pass

-- End of Test Report --