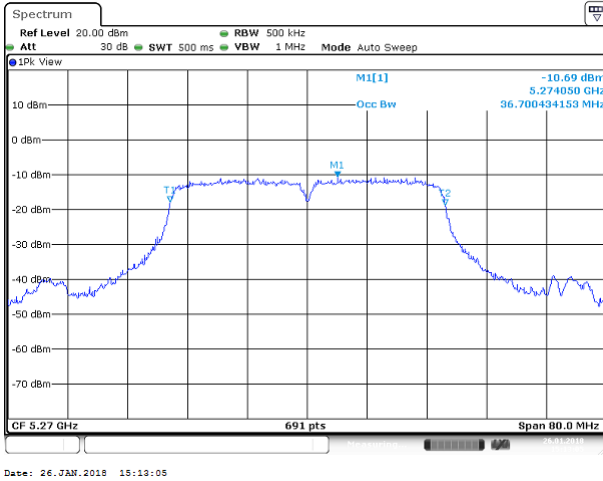
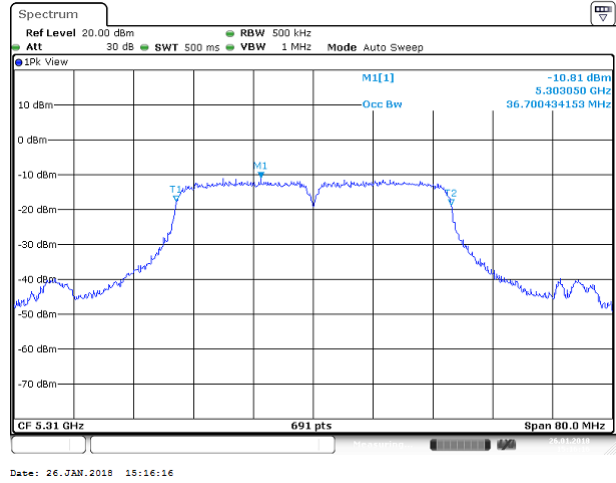


**UNII-2a IEEE 802.11n 40 MHz mode- chain 0**

**Low CH**

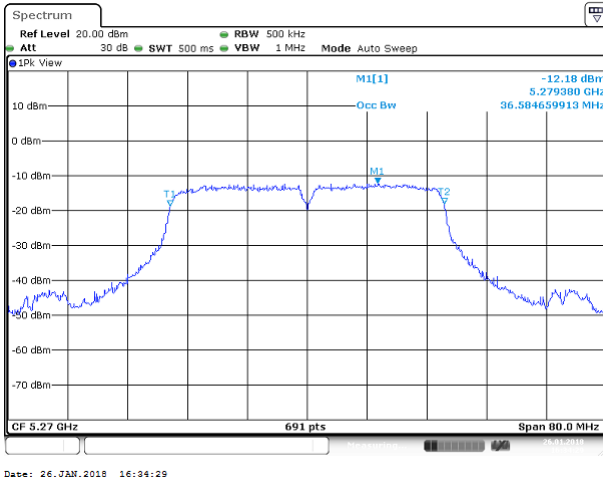


**High CH**

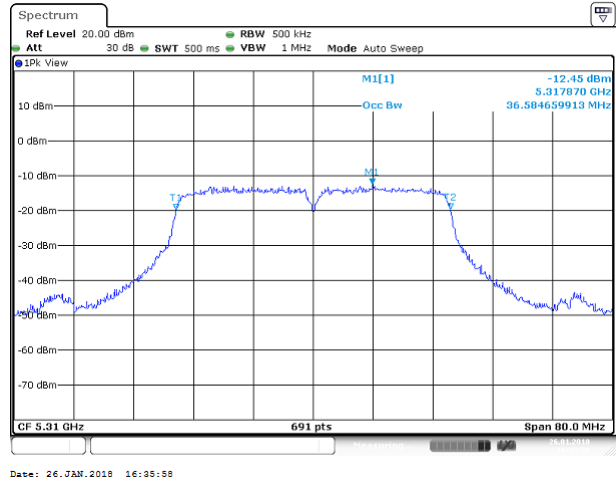


**UNII-2a IEEE 802.11n 40 MHz mode- chain 1**

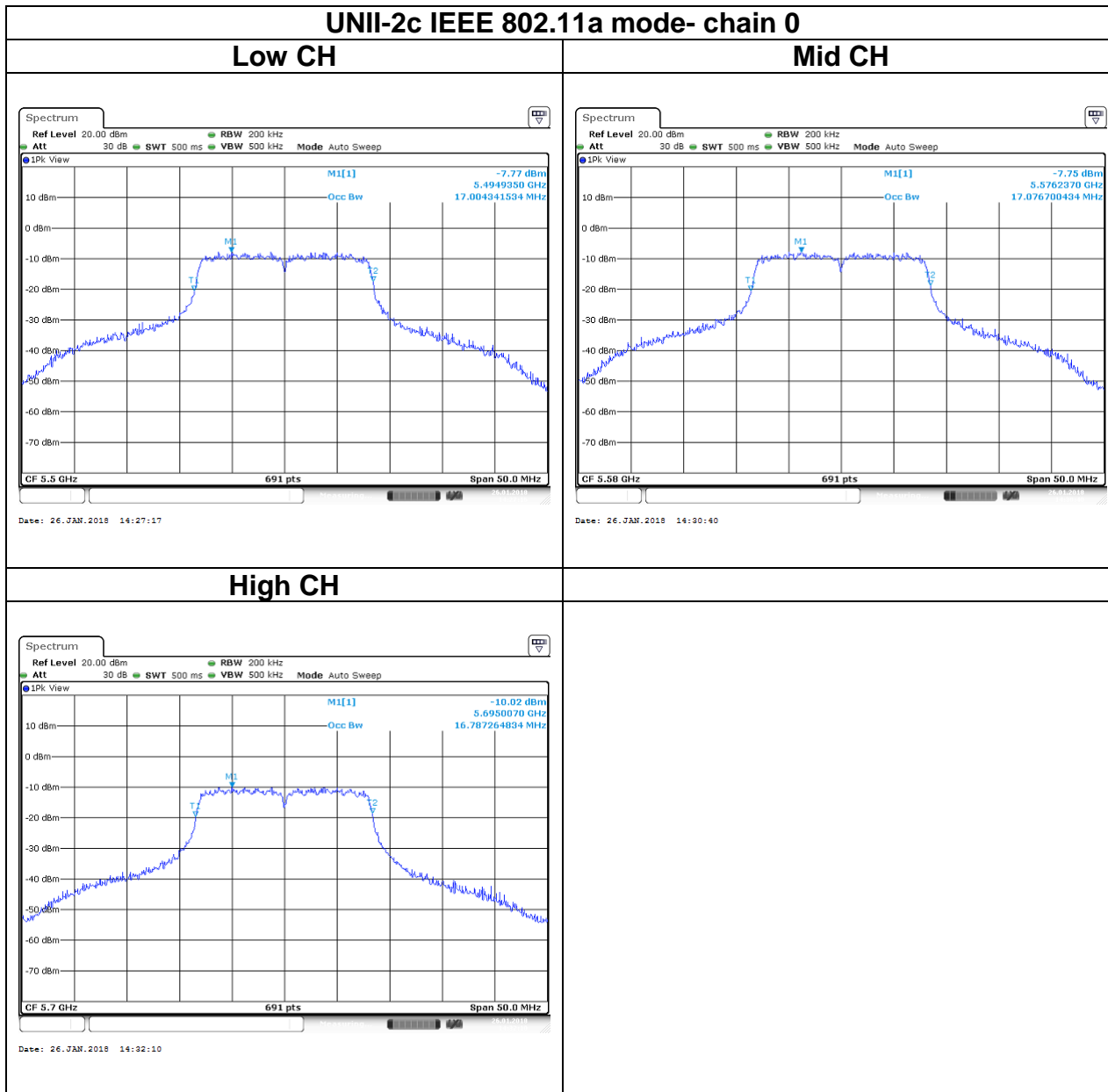
**Low CH**



**High CH**

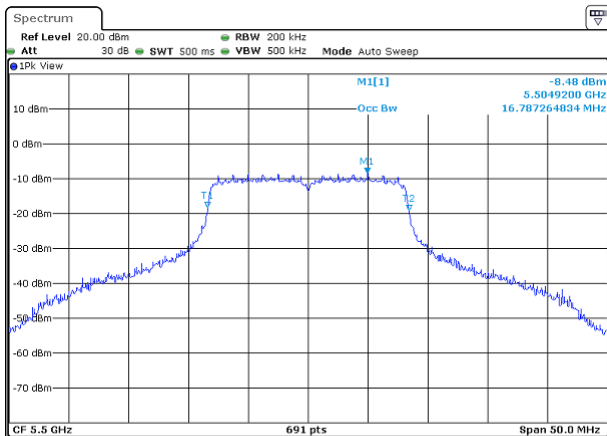


**Test Data**



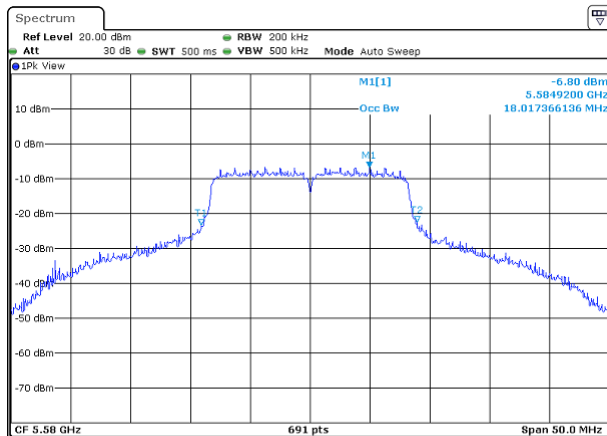
**UNII-2c IEEE 802.11a mode- chain 1**

**Low CH**



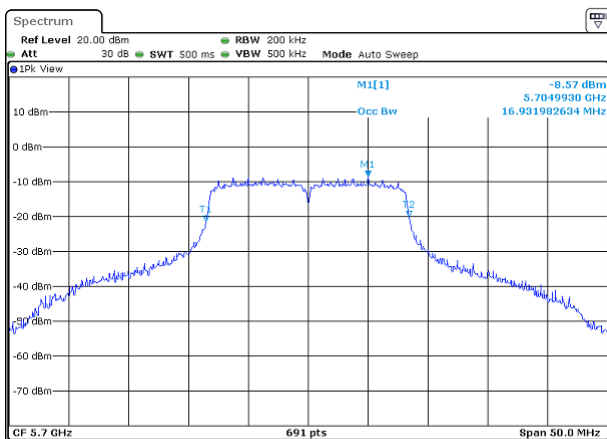
Date: 26.JAN.2018 15:48:52

**Mid CH**



Date: 26.JAN.2018 15:52:28

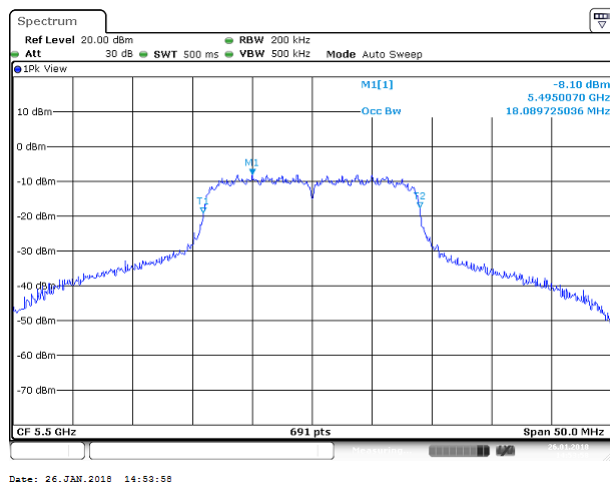
**High CH**



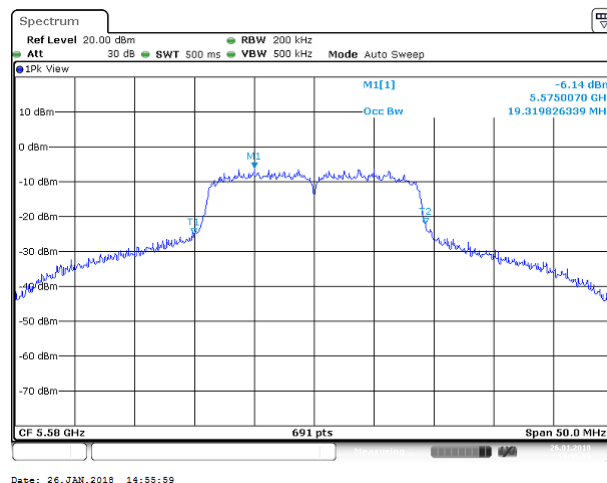
Date: 26.JAN.2018 15:58:19

**UNII-2c IEEE 802.11n 20 MHz mode- chain 0**

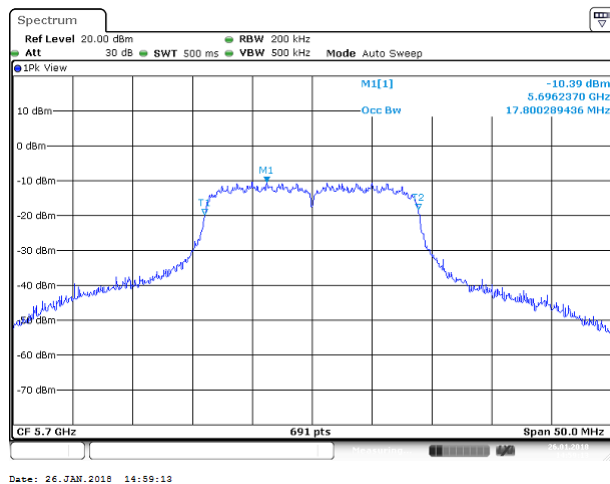
**Low CH**



**Mid CH**

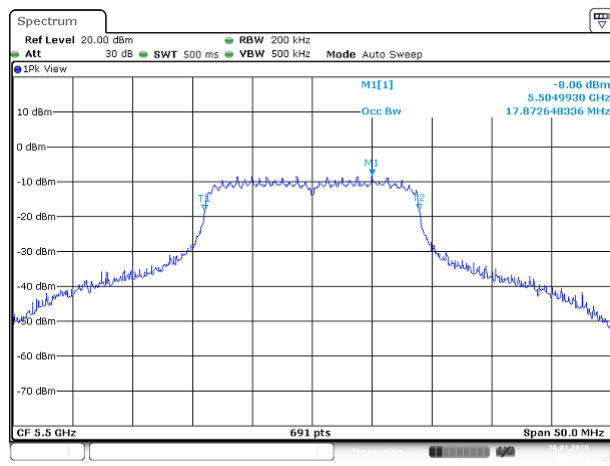


**High CH**

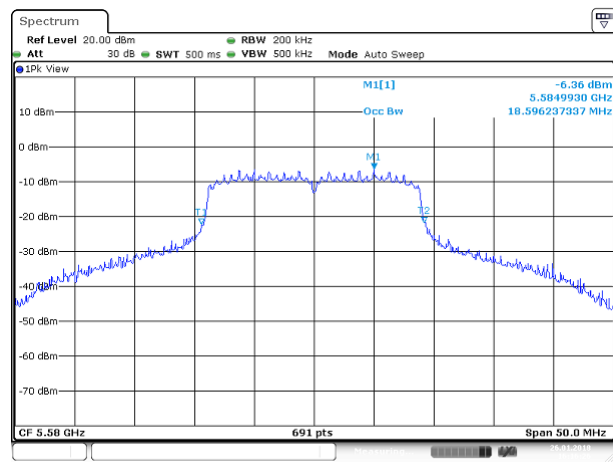


**UNII-2c IEEE 802.11n 20 MHz mode- chain 1**

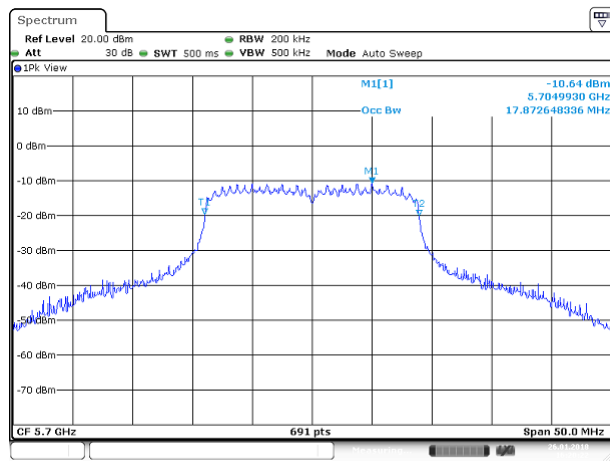
**Low CH**

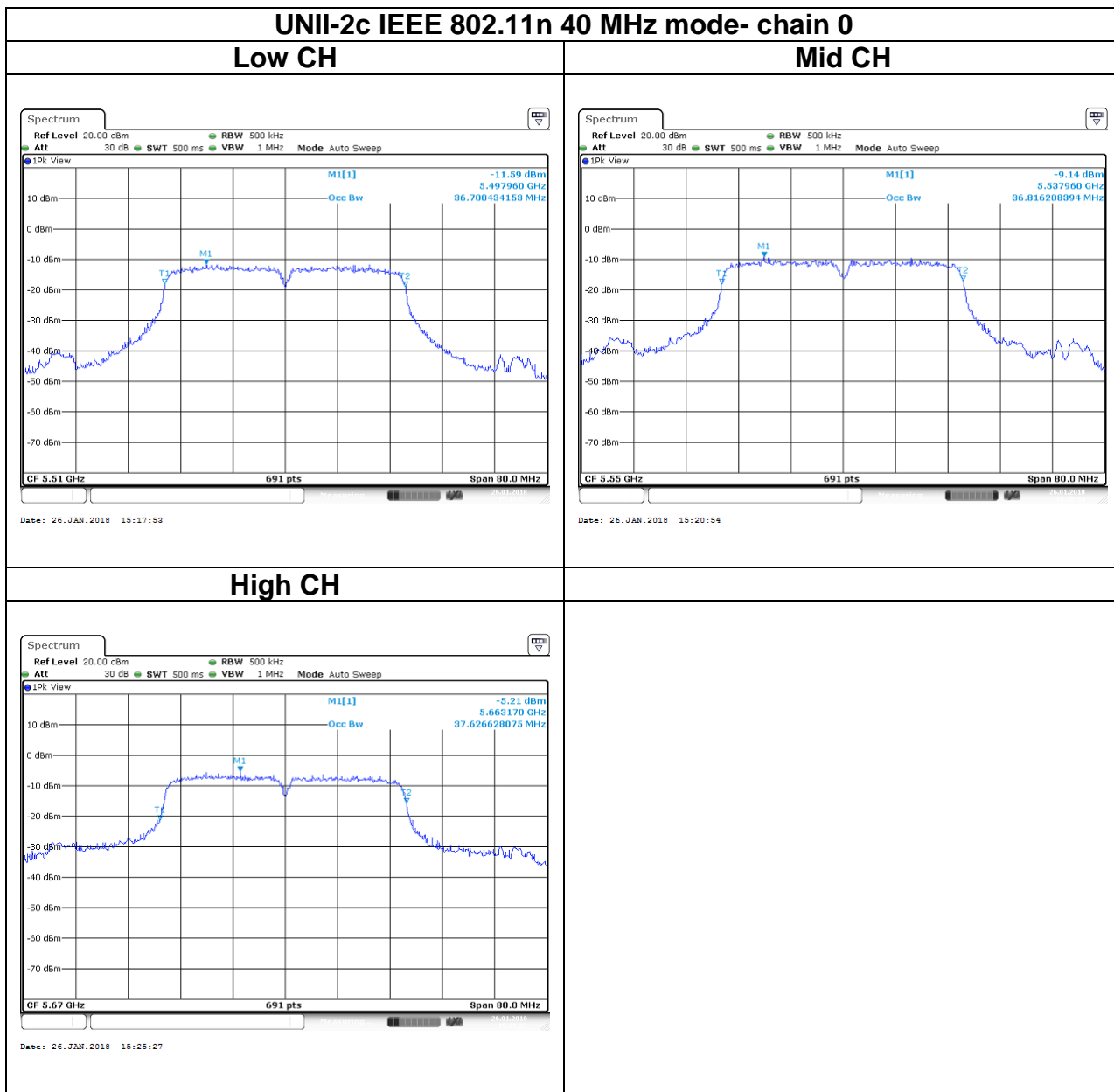


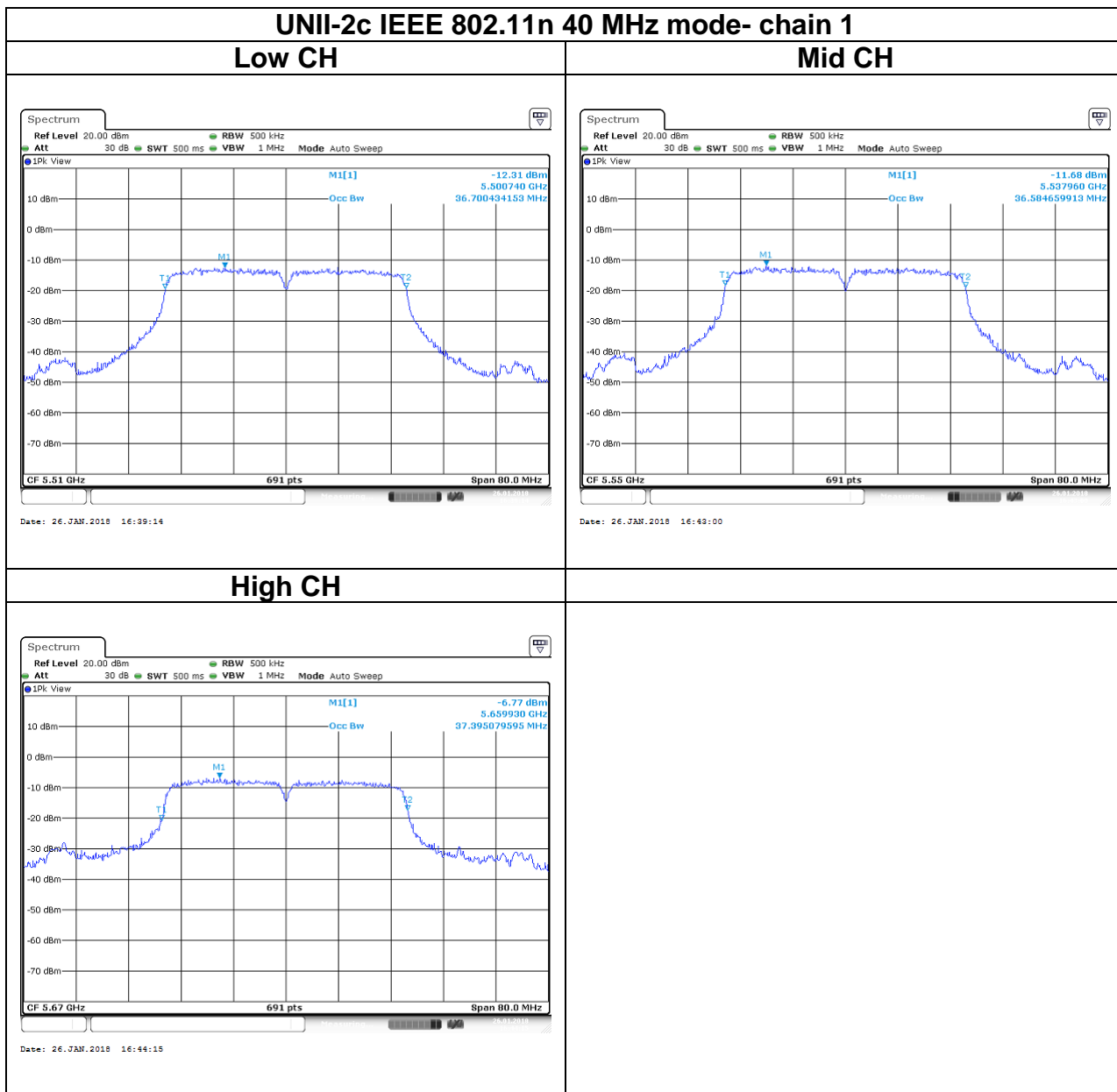
**Mid CH**



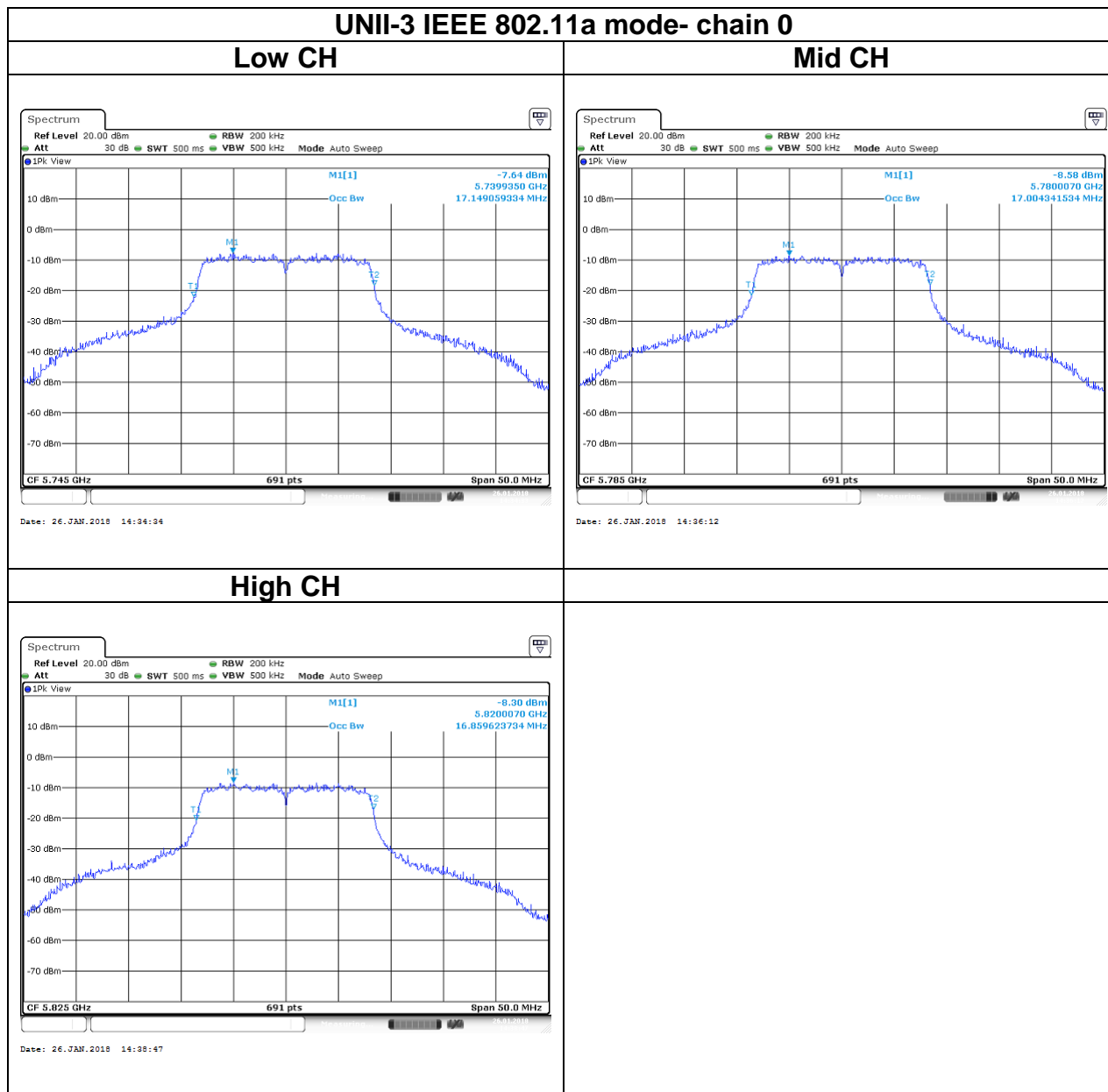
**High CH**







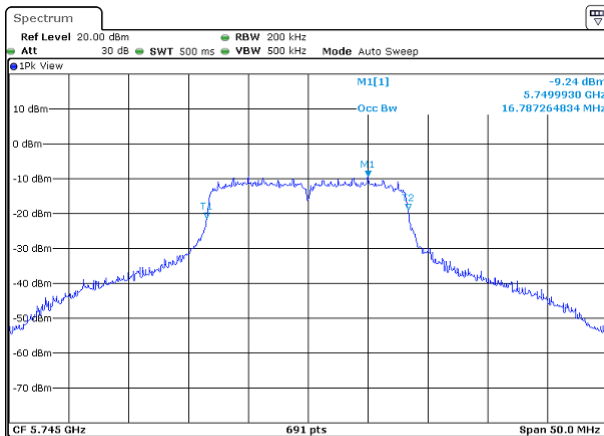
## Test Data





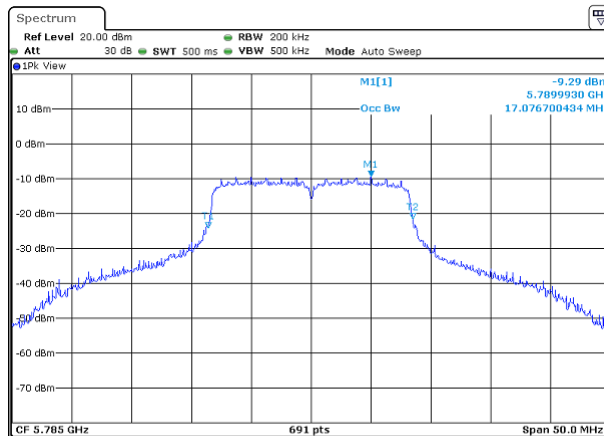
**UNII-3 IEEE 802.11a mode- chain 1**

**Low CH**



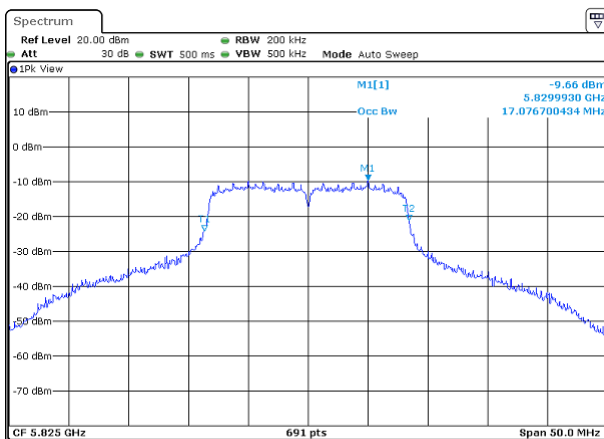
Date: 26.JAN.2018 15:55:16

**Mid CH**

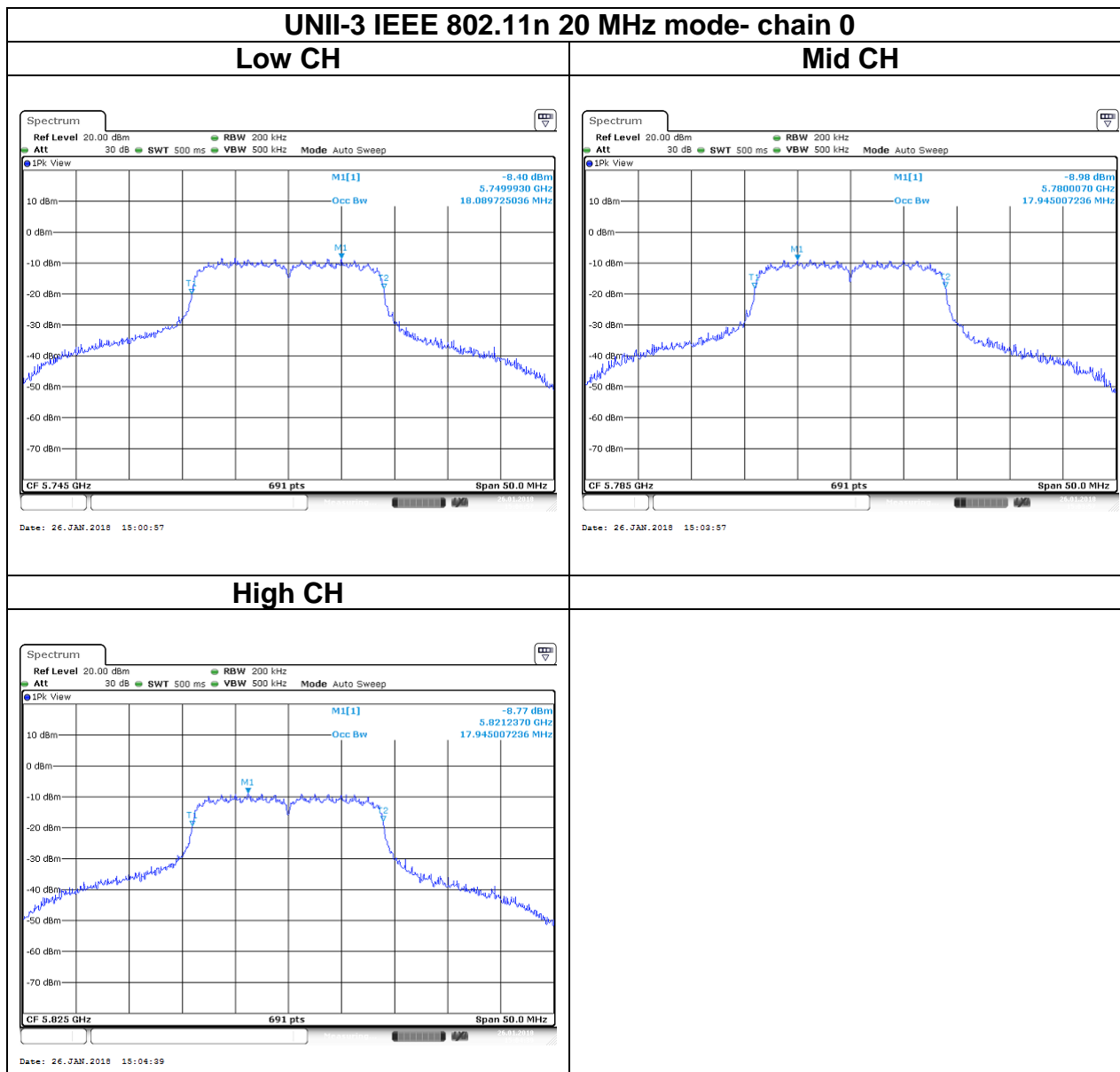


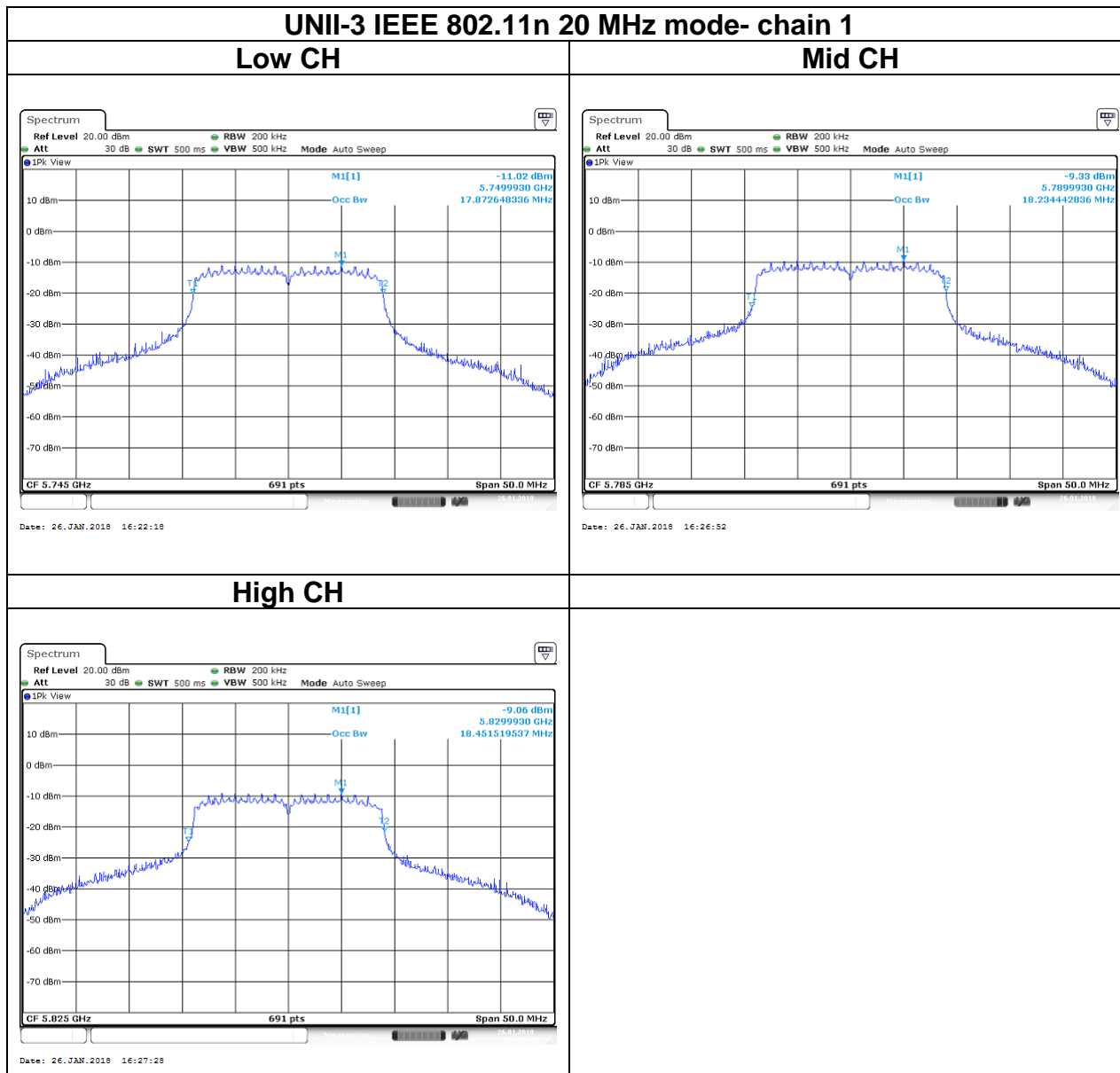
Date: 26.JAN.2018 15:58:32

**High CH**



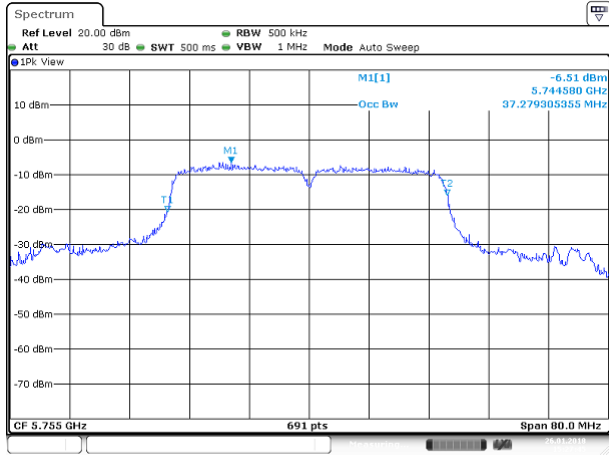
Date: 26.JAN.2018 15:59:11



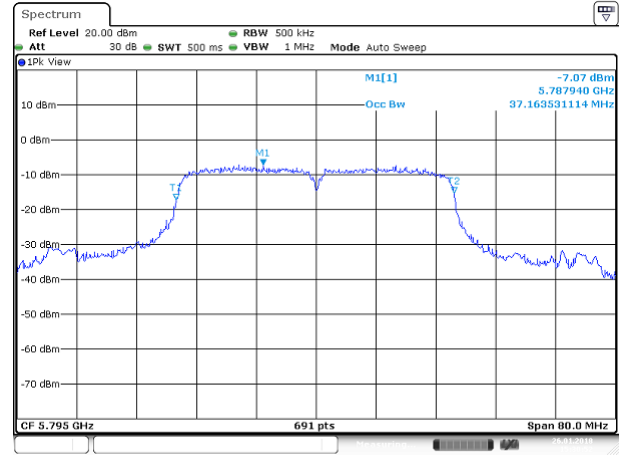


**UNII-3 IEEE 802.11n 40 MHz mode- chain 0**

**Low CH**

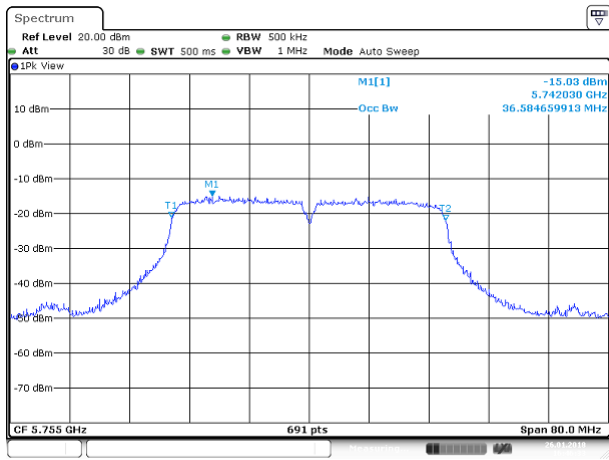


**High CH**

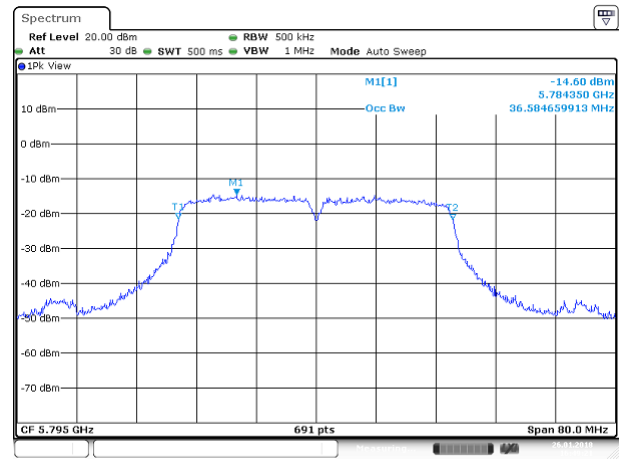


**UNII-3 IEEE 802.11n 40 MHz mode- chain 1**

**Low CH**



**High CH**



## 4.3 OUTPUT POWER MEASUREMENT

### 4.3.1 Test Limit

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

#### UNII-1 :

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW(24 dBm), whichever power is less. B is the 99% emission bandwidth in megahertz, provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### UNII-2a and 2c:

the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. and The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 Log10 B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

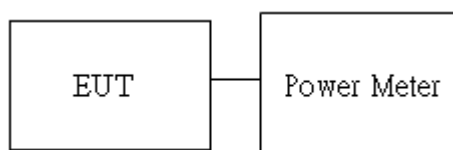
UNII-1 Limit	<input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 24dBm <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = 24 – (DG – 6)]
UNII-2a/2c Limit	<input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 24dBm <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = 24 – (DG – 6)]
UNII-3 Limit	<input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 30dBm <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)]

### 4.3.2 Test Procedure

Test method Refer as KDB 789033 D02 v02r01, Section E.3.b.

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

### 4.3.3 Test Setup



### 4.3.4 Test Result

**Conducted output power :**

UNII-1										
Config	CH	Freq. (MHz)	Power Set		AV Power(dBm)		AV Total Power (dBm)	AV Total Power (W)	DG (dBi)	Limit (dBm)
			chain0	chain1	chain0	chain1				
IEEE 802.11a Data rate: 6Mbps	36	5180	15	15	11.45	10.53	14.02	0.0253	5.98	24
	44	5220	20	20	15.60	15.11	18.37	0.0687		
	48	5240	20	20	15.63	15.14	18.40	0.0692		
IEEE 802.11n 20 MHz Data rate: MCS8	36	5180	16	16	12.83	11.70	15.31	0.0340		
	44	5220	31.5	31.5	18.33	18.91	21.64	0.1459		
	48	5240	31.5	31.5	18.35	18.98	21.69	0.1475		
IEEE 802.11n 40 MHz Data rate: MCS8	38	5190	9.5	9.5	5.26	4.67	7.99	0.0063		
	46	5230	19	19	14.27	14.06	17.18	0.0522		

UNII-2a										
Config	CH	Freq. (MHz)	Power Set		AV Power(dBm)		AV Total Power (dBm)	AV Total Power (W)	DG (dBi)	Limit (dBm)
			chain0	chain1	chain0	chain1				
IEEE 802.11a Data rate: 6Mbps	52	5260	20	20	15.75	15.04	18.42	0.0695	5.98	24
	56	5280	20	20	15.71	14.93	18.35	0.0684		
	64	5320	14.5	14.5	12.35	9.56	14.19	0.0262		
IEEE 802.11n 20 MHz Data rate: MCS8	52	5260	20	20	15.12	15.06	18.10	0.0646		
	56	5280	20	20	15.06	14.97	18.03	0.0635		
	64	5320	15	15	11.83	10.6	14.27	0.0267		
IEEE 802.11n 40 MHz Data rate: MCS8	54	5270	19	19	13.57	13.67	16.63	0.0460		
	62	5310	8	8	4.84	4.06	7.48	0.0056		

UNII-2c										
Config	CH	Freq. (MHz)	Power Set		AV Power(dBm)		AV Total Power (dBm)	AV Total Power (W)	DG (dBi)	Limit (dBm)
			chain0	chain1	chain0	chain1				
IEEE 802.11a Data rate: 6Mbps	100	5500	12	12	11.06	11.06	13.59	0.0229	5.98	24
	116	5580	18	18	14.18	14.18	17.06	0.0508		
	140	5700	13	13	9.83	9.83	12.62	0.0183		
IEEE 802.11n 20 MHz Data rate: MCS8	100	5500	12	12	9.58	9.58	12.71	0.0187		
	116	5580	17.5	17.5	13.86	13.86	17.06	0.0508		
	140	5700	11	11	8.12	8.12	11.16	0.0131		
IEEE 802.11n 40 MHz Data rate: MCS8	102	5510	6.5	6.5	3.62	3.62	6.91	0.0049		
	110	5550	18	18	13.61	13.61	16.79	0.0478		
	134	5670	13.5	13.5	9.31	9.31	12.69	0.0186		

UNII-3										
Config	CH	Freq. (MHz)	Power Set		AV Power(dBm)		AV Total Power (dBm)	AV Total Power (W)	DG (dBi)	Limit (dBm)
			chain0	chain1	chain0	chain1				
IEEE 802.11a Data rate: 6Mbps	149	5745	18	18	12.51	12.09	15.32	0.0340	5.98	30
	157	5785	18	18	12.60	12.03	15.33	0.0341		
	165	5825	18	18	12.55	12.20	9.00	0.0079		
IEEE 802.11n 20 MHz Data rate: MCS8	149	5745	18	18	12.26	12.41	15.35	0.0343		
	157	5785	18	18	12.33	12.44	15.40	0.0347		
	165	5825	18	18	13.11	12.71	15.92	0.0391		
IEEE 802.11n 40 MHz Data rate: MCS8	151	5755	18	18	11.46	11.12	14.30	0.0269		
	159	5795	18	18	12.45	12.37	15.42	0.0348		



## 4.4 POWER SPECTRAL DENSITY

### 4.4.1 Test Limit

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

#### UNII-1 :

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

#### UNII-2a and 2c:

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

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

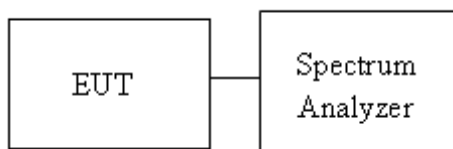
UNII-1 Limit	<input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 11 dBm <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = 11 – (DG – 6)]
UNII-2a Limit	<input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 11 dBm <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = 11 – (DG – 6)]
UNII-2c Limit	<input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 11 dBm <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = 11 – (DG – 6)]
UNII-3 Limit	<input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 30 dBm <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)]

#### 4.4.2 Test Procedure

Test method Refer as KDB 789033 D02 v02r01, Section F

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

#### 4.4.3 Test Setup



#### 4.4.4 Test Result

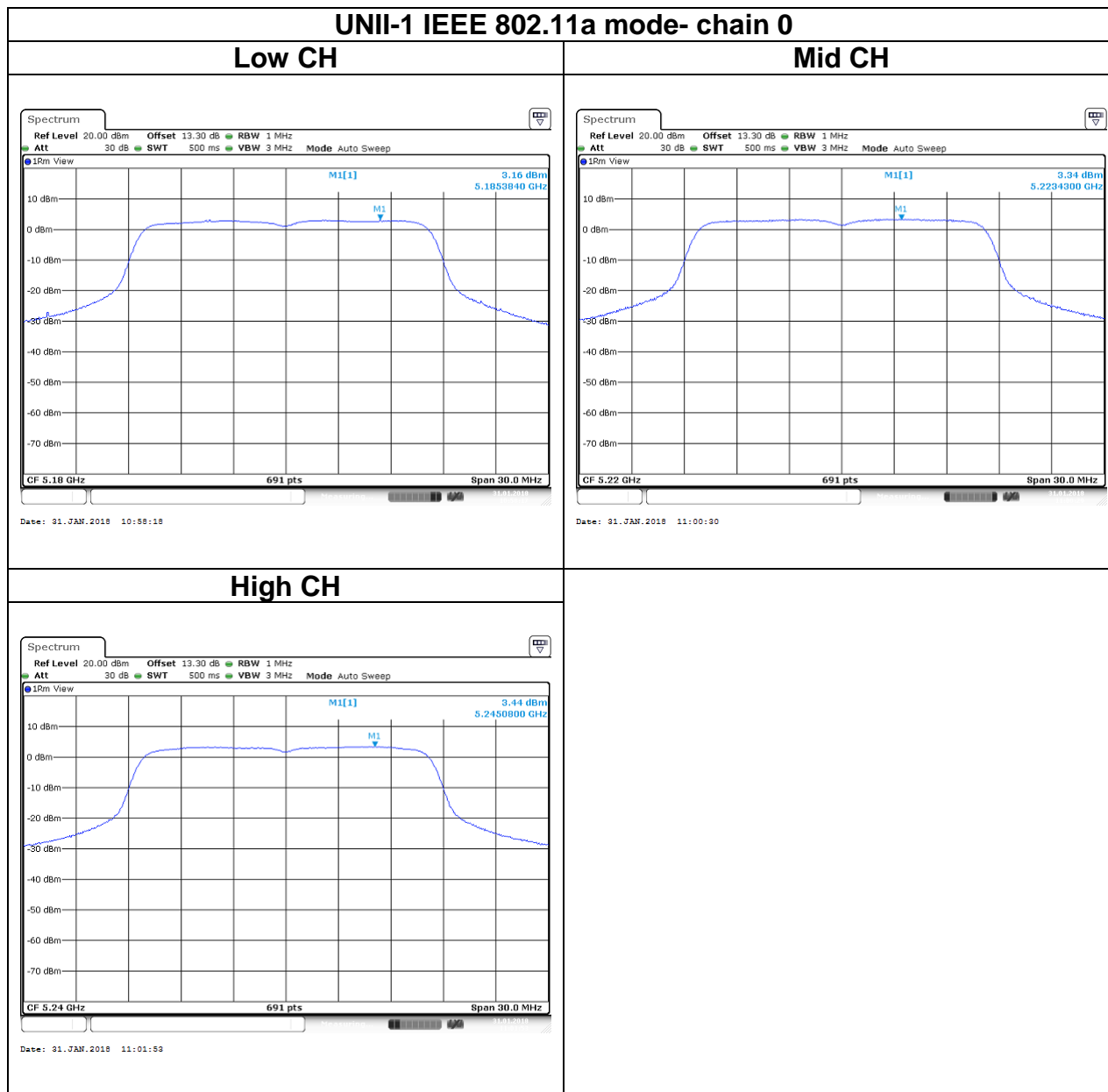
<b>UNII-1 5150-5250 MHz</b>					
<b>Test mode: IEEE 802.11a mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5180	3.16	2.60	5.90	11
Mid	5220	3.34	1.50	5.53	
High	5240	3.44	2.12	5.84	
<b>Test mode: IEEE 802.11n 20 MHz mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5180	3.42	1.59	5.61	11
Mid	5220	3.37	1.69	5.62	
High	5240	3.22	2.08	5.70	
<b>Test mode: IEEE 802.11n 40 MHz mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5190	-4.32	-5.79	-1.98	11
High	5230	3.40	2.60	6.03	

<b>UNII-2a 5250-5350 MHz</b>					
<b>Test mode: IEEE 802.11a mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5260	4.33	2.91	6.69	11
Mid	5280	4.52	2.70	6.71	
High	5320	3.77	1.59	5.83	
<b>Test mode: IEEE 802.11n 20 MHz mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5260	4.27	2.62	6.53	11
Mid	5280	4.06	2.45	6.34	
High	5320	4.04	2.97	6.55	
<b>Test mode: IEEE 802.11n 40 MHz mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5270	4.31	3.56	6.96	11
High	5310	-4.73	-6.30	-2.43	

<b>UNII-2c 5470-5725 MHz</b>					
<b>Test mode: IEEE 802.11a mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5500	4.20	3.78	7.01	11
Mid	5580	4.35	3.74	7.07	
High	5700	2.34	3.34	5.88	
<b>Test mode: IEEE 802.11n 20 MHz mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5500	3.43	3.51	6.48	11
Mid	5580	4.21	3.50	6.88	
High	5700	1.41	0.73	4.09	
<b>Test mode: IEEE 802.11n 40 MHz mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5510	-5.05	-5.72	-2.36	11
Mid	5550	3.90	3.39	6.66	
High	5670	0.70	-13.59	0.86	

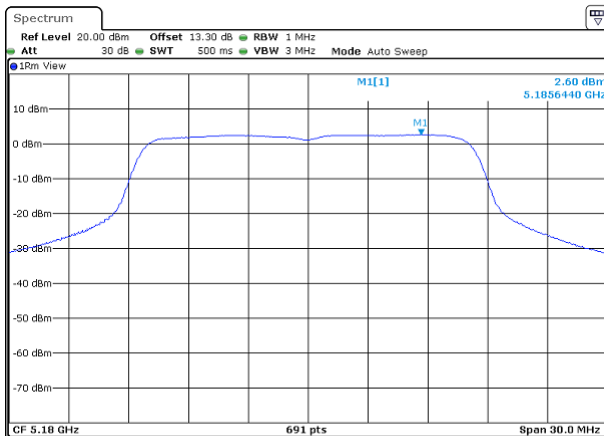
<b>UNII-3 5725-5825 MHz</b>					
<b>Test mode: IEEE 802.11a mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5745	12.25	12.61	15.44	30
Mid	5785	12.31	12.78	15.56	
High	5825	11.63	11.80	14.73	
<b>Test mode: IEEE 802.11n 20 MHz mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5745	11.63	11.82	14.74	30
Mid	5785	11.87	12.06	14.98	
High	5825	11.19	11.33	14.27	
<b>Test mode: IEEE 802.11n 40 MHz mode</b>					
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>Chain 0 PPSD (dBm)</b>	<b>Chain 1 PPSD (dBm)</b>	<b>Total PPSD (dBm)</b>	<b>Limit (dBm)</b>
Low	5755	9.49	8.65	12.10	30
High	5795	9.18	9.14	12.17	

## Test Data

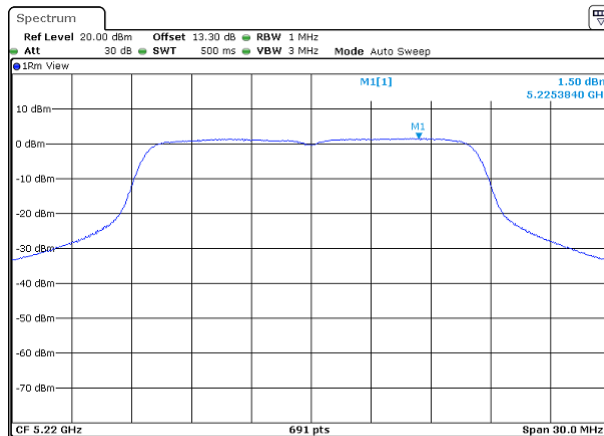


**UNII-1 IEEE 802.11a mode- chain 1**

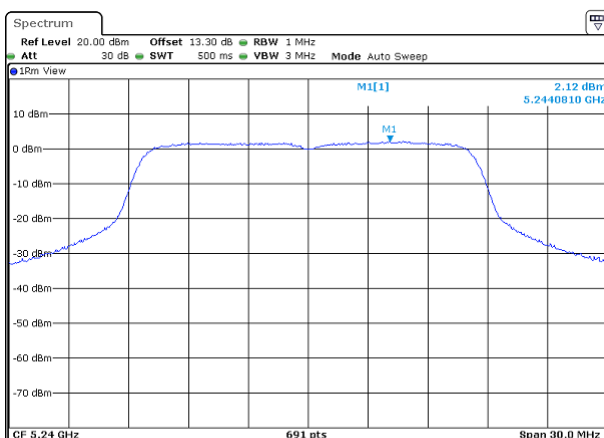
**Low CH**



**Mid CH**



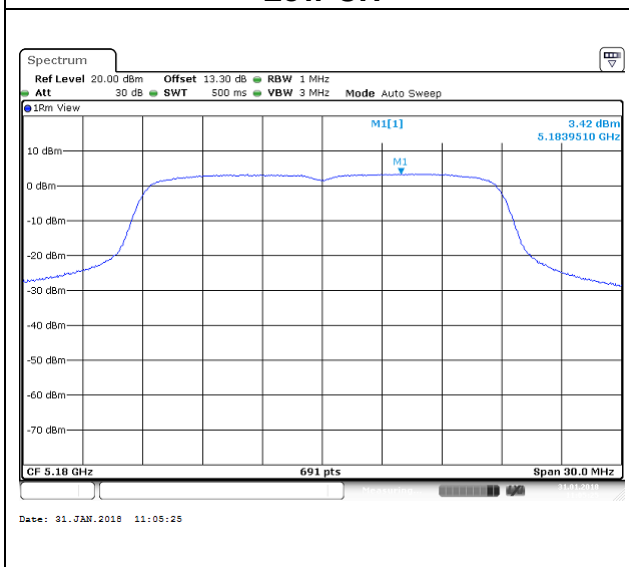
**High CH**



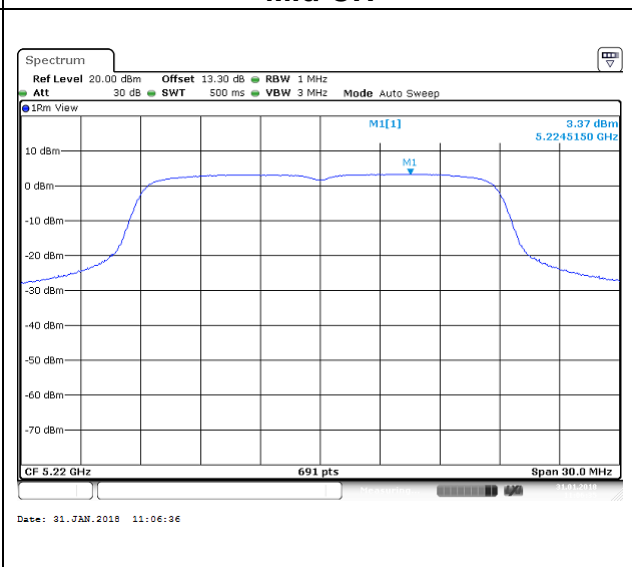


**UNII-1 IEEE 802.11n 20 MHz mode- chain 0**

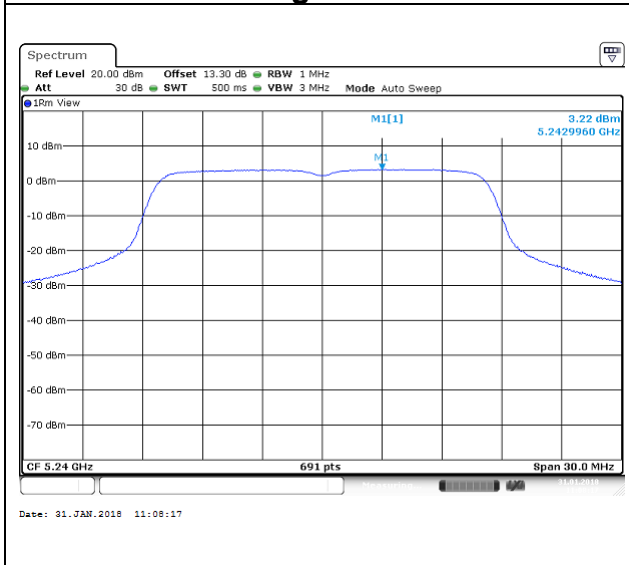
**Low CH**



**Mid CH**

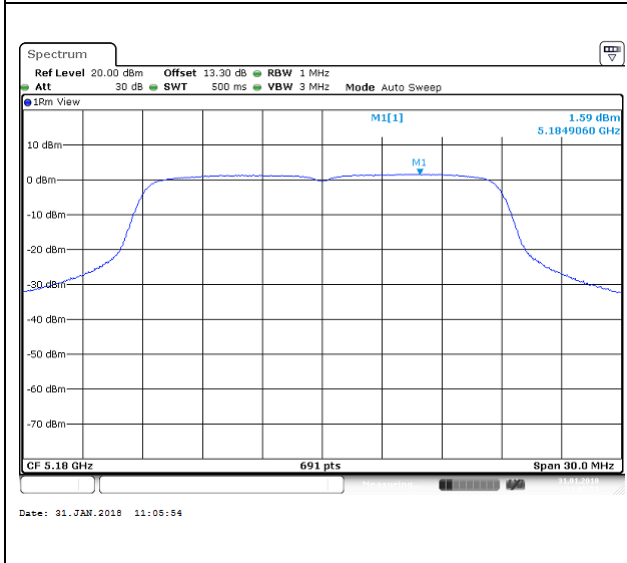


**High CH**

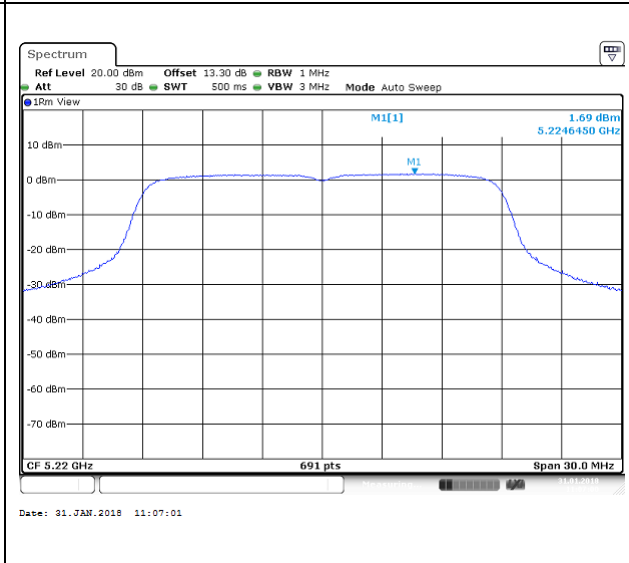


**UNII-1 IEEE 802.11n 20 MHz mode- chain 1**

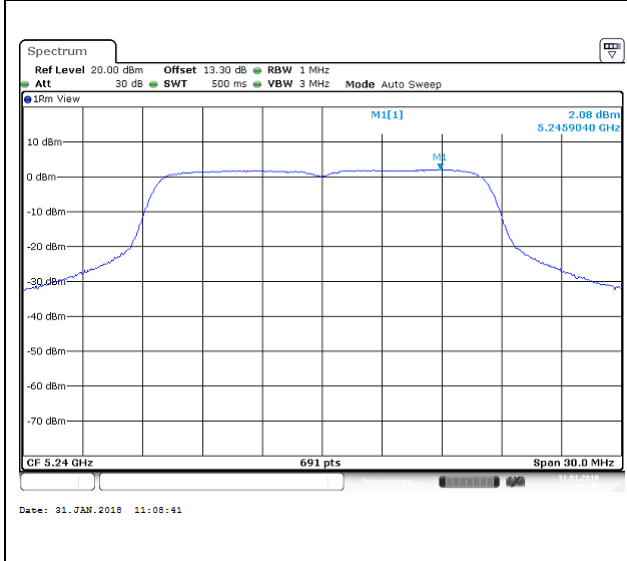
**Low CH**

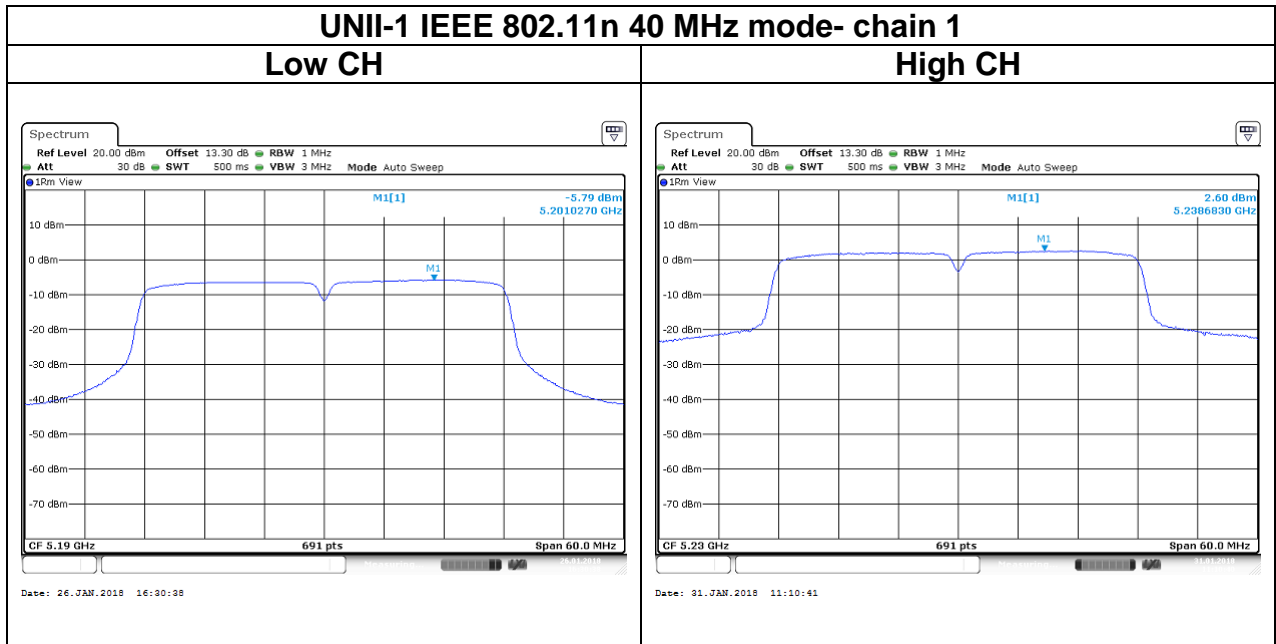
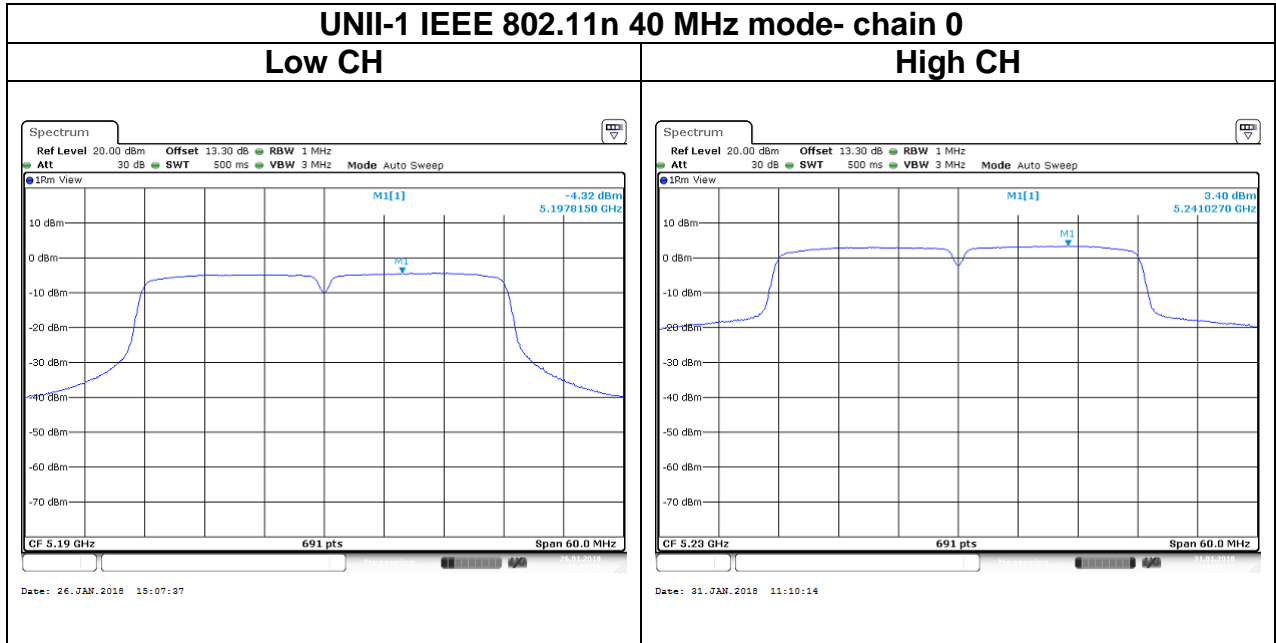


**Mid CH**

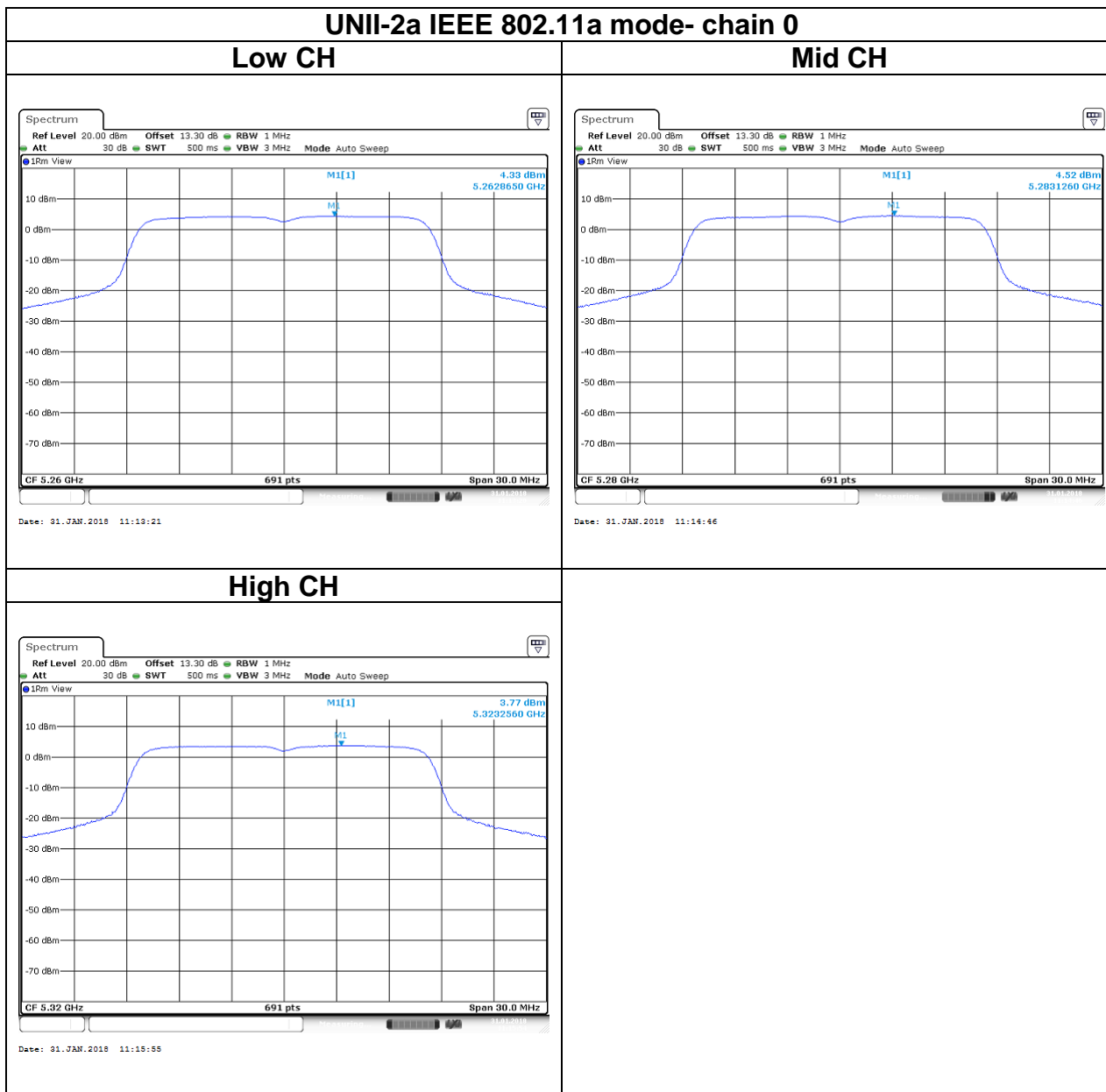


**High CH**



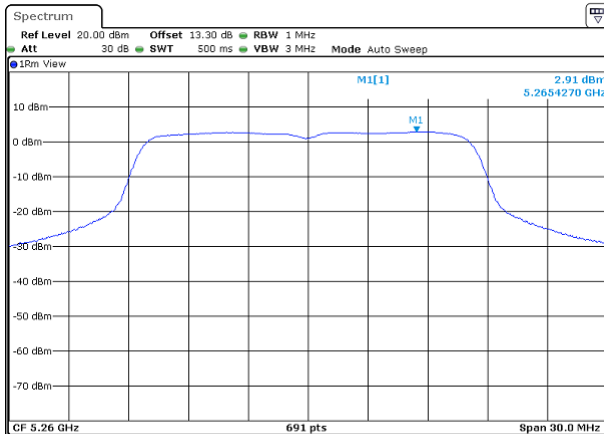


## Test Data

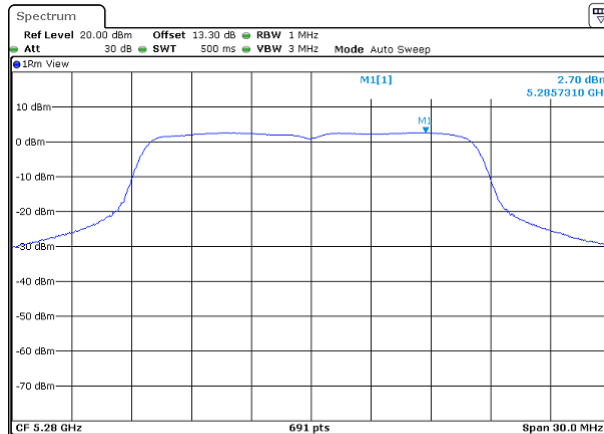


**UNII-2a IEEE 802.11a mode- chain 1**

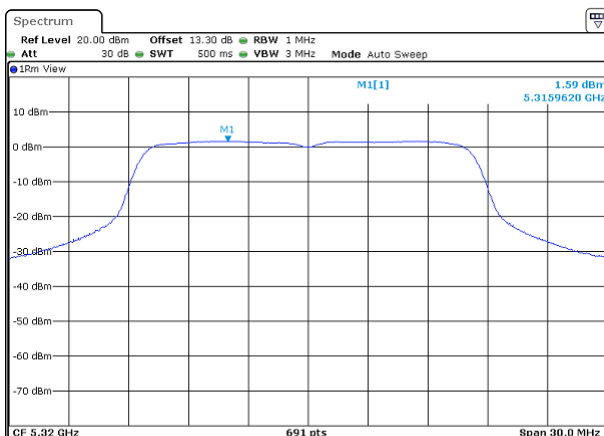
**Low CH**



**Mid CH**

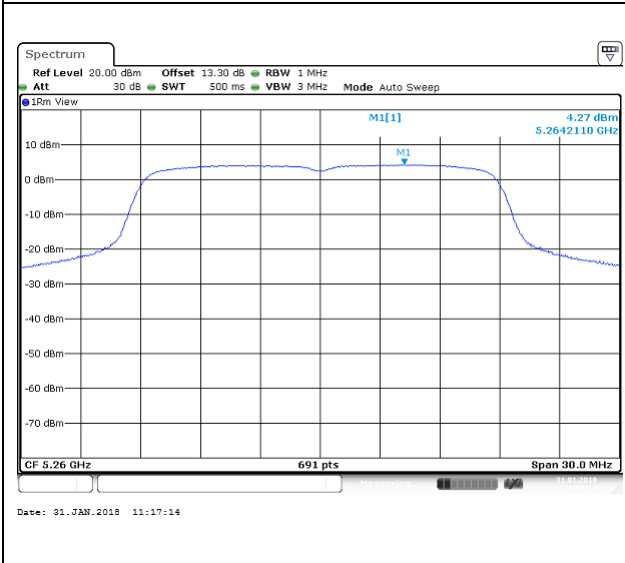


**High CH**

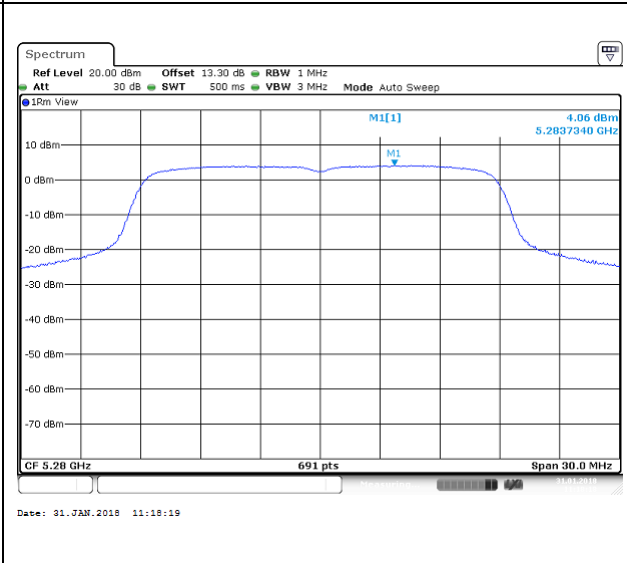


**UNII-2a IEEE 802.11n 20 MHz mode- chain 0**

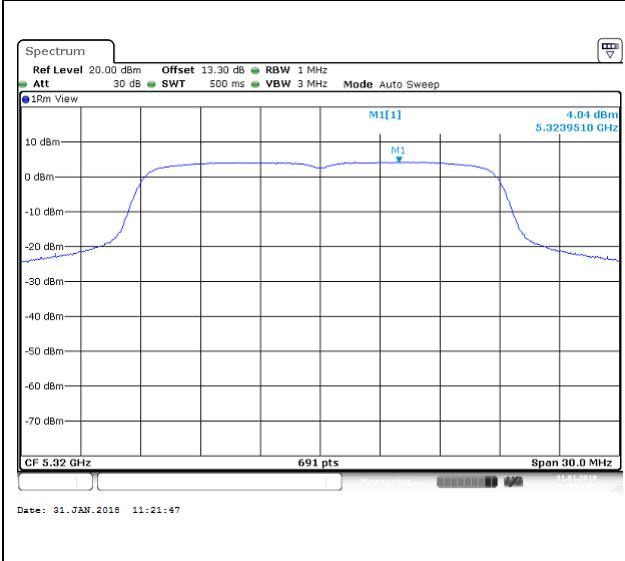
**Low CH**



**Mid CH**

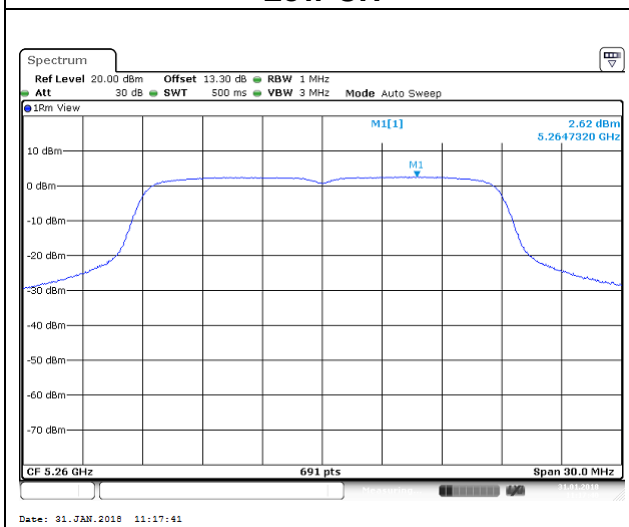


**High CH**

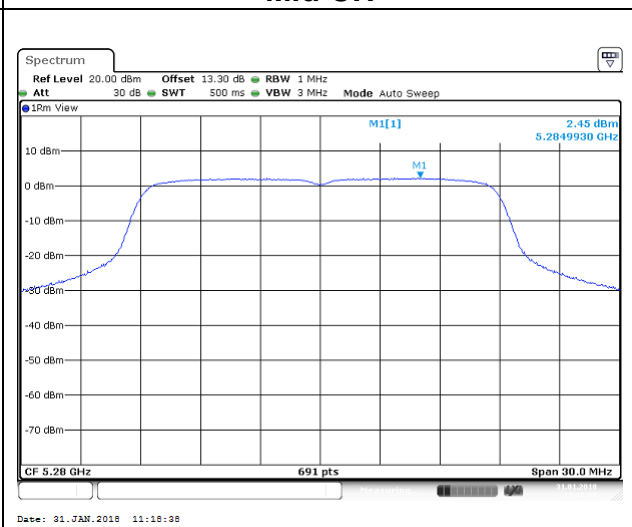


**UNII-2a IEEE 802.11n 20 MHz mode- chain 1**

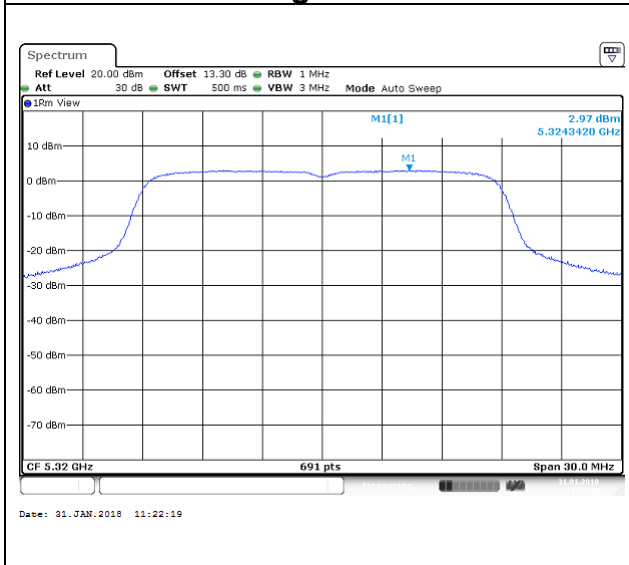
**Low CH**



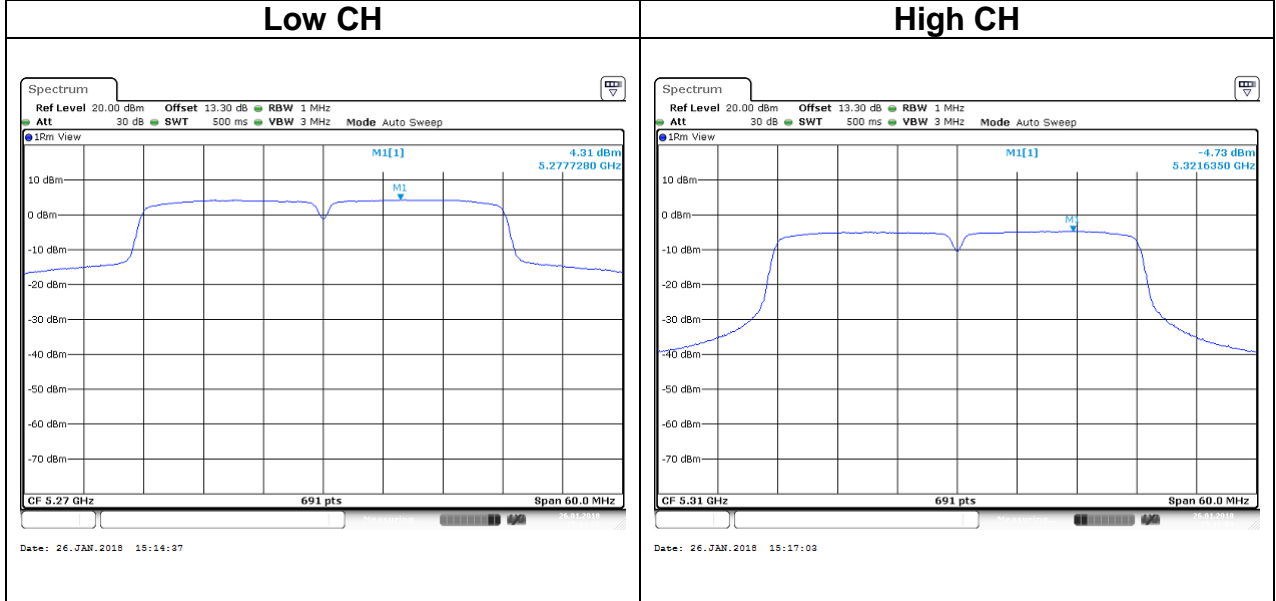
**Mid CH**



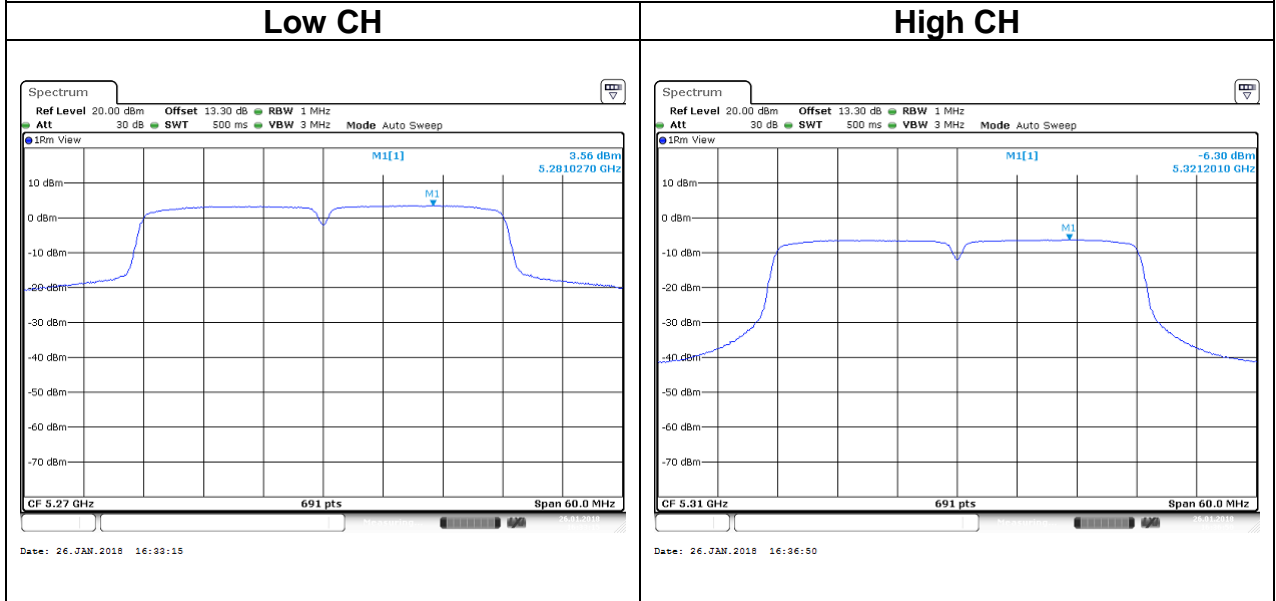
**High CH**



**UNII-2a IEEE 802.11n 40 MHz mode- chain 0**

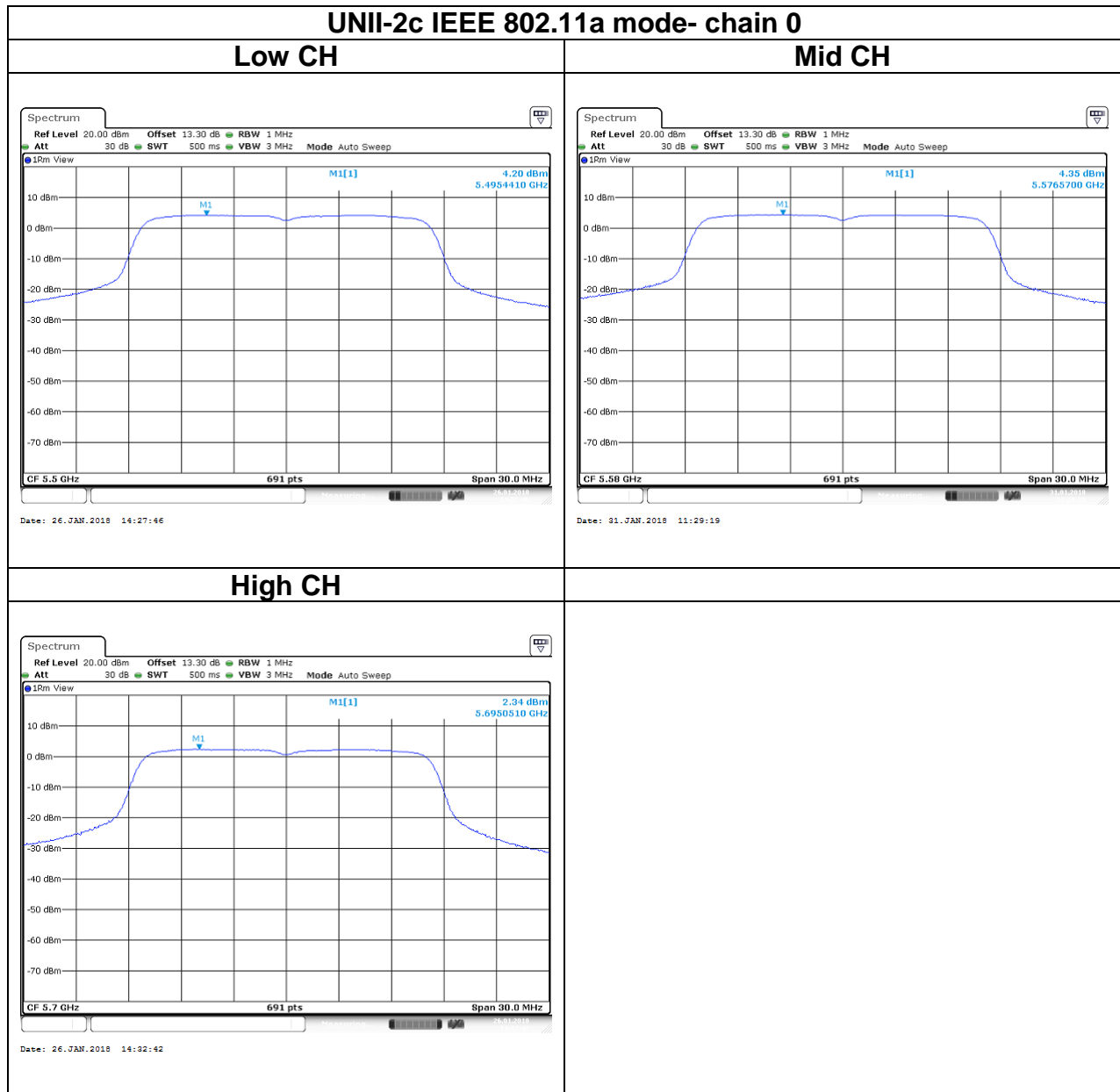


**UNII-2a IEEE 802.11n 40 MHz mode- chain 1**



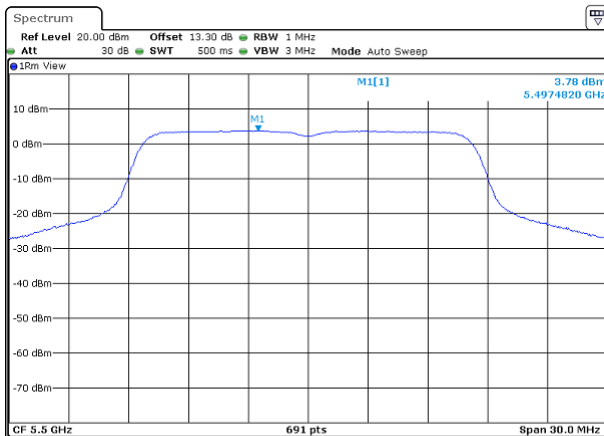


## Test Data

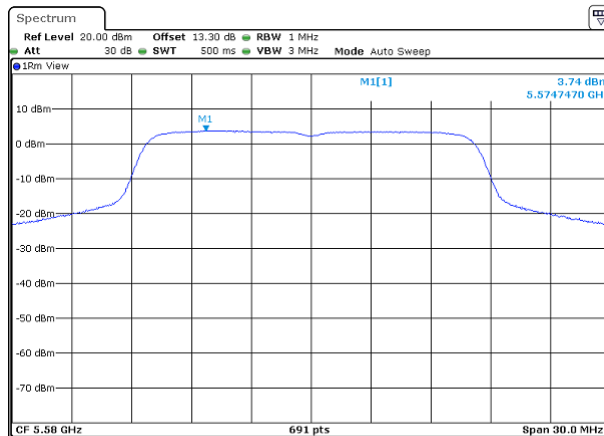


**UNII-2c IEEE 802.11a mode- chain 1**

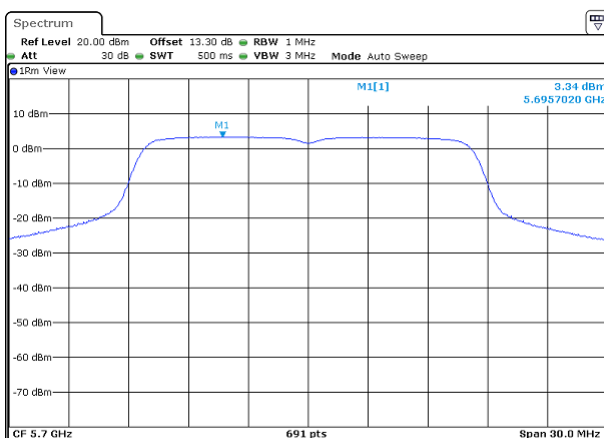
**Low CH**



**Mid CH**

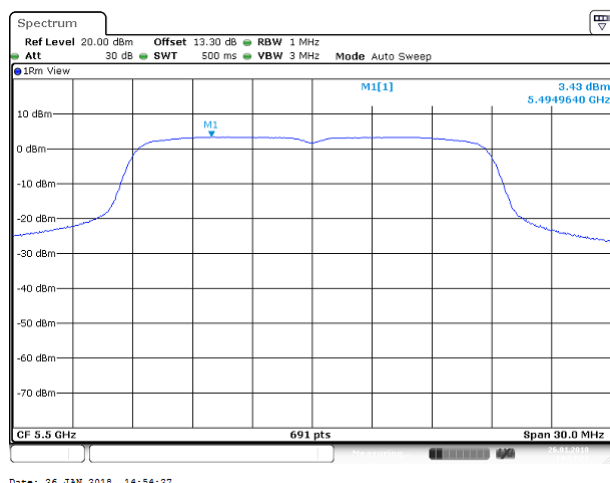


**High CH**

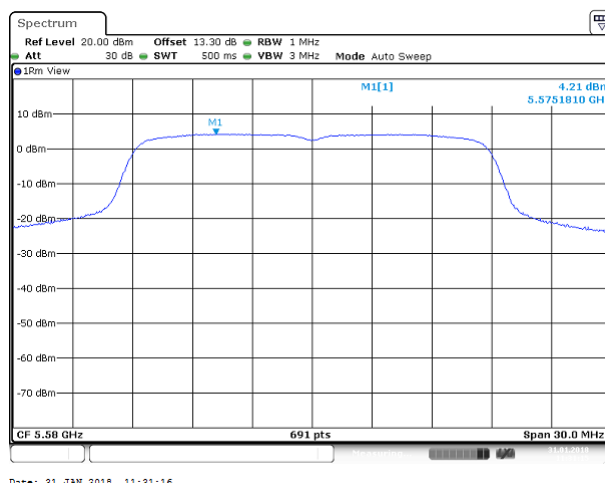


**UNII-2c IEEE 802.11n 20 MHz mode- chain 0**

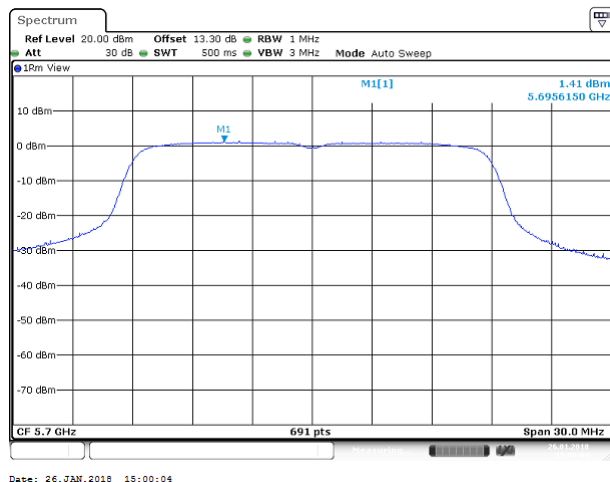
**Low CH**



**Mid CH**

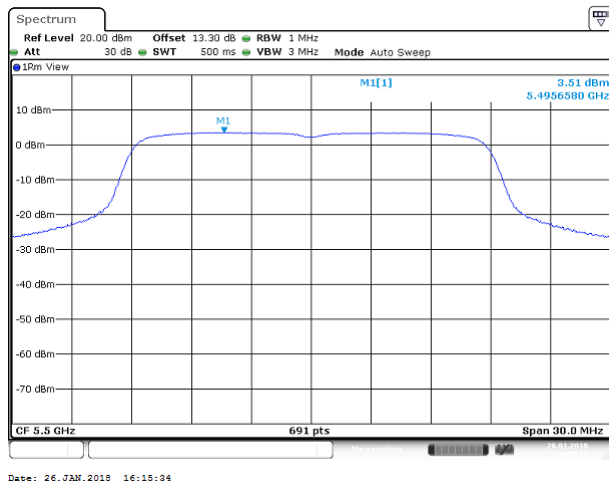


**High CH**

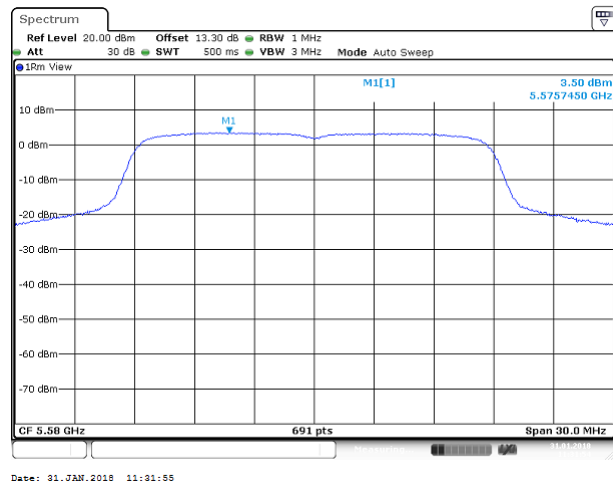


**UNII-2c IEEE 802.11n 20 MHz mode- chain 1**

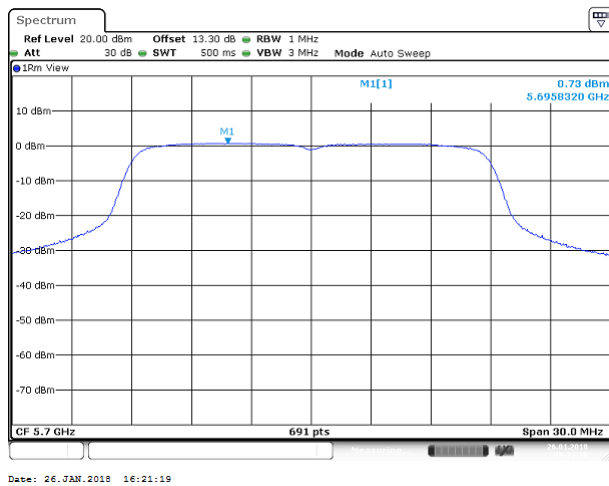
**Low CH**



**Mid CH**

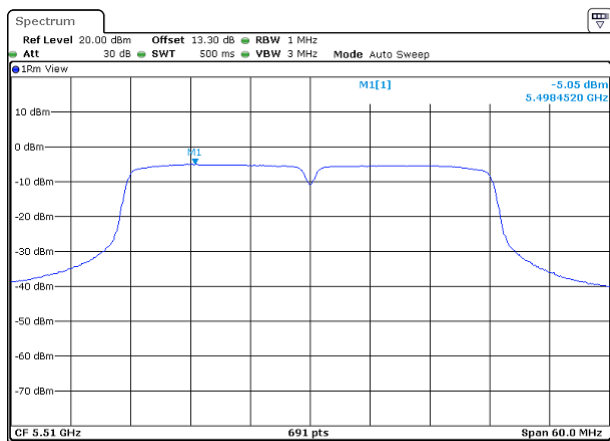


**High CH**



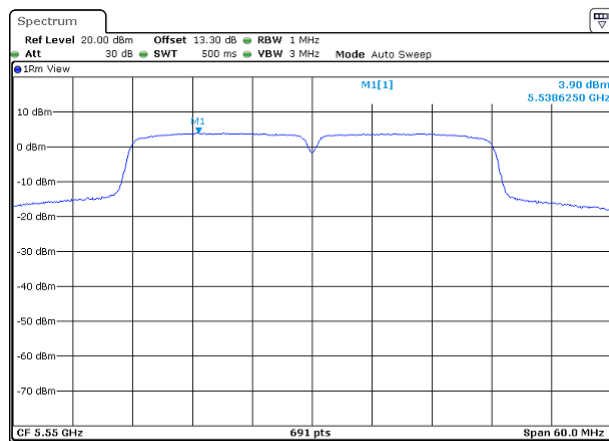
**UNII-2c IEEE 802.11n 40 MHz mode- chain 0**

**Low CH**



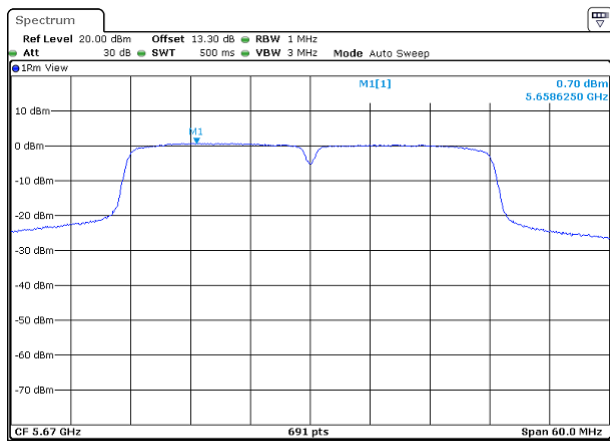
Date: 26.JAN.2018 15:19:03

**Mid CH**



Date: 26.JAN.2018 15:24:07

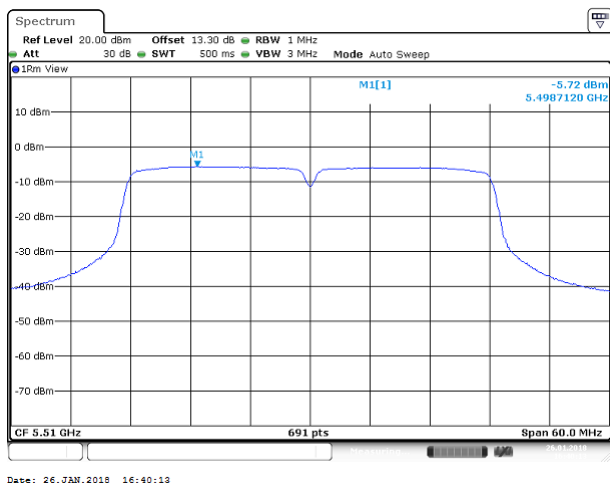
**High CH**



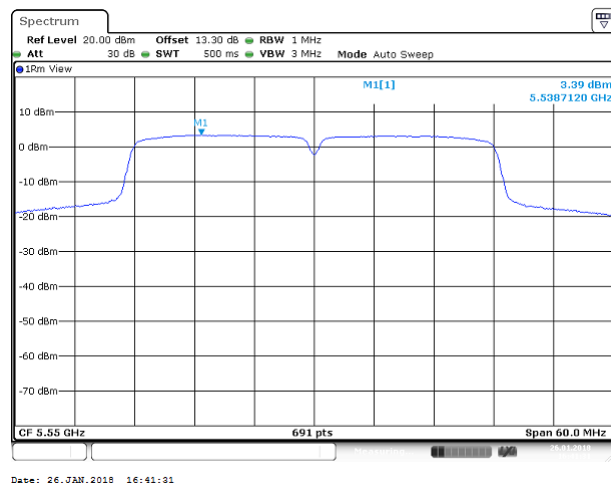
Date: 26.JAN.2018 15:26:08

**UNII-2c IEEE 802.11n 40 MHz mode- chain 1**

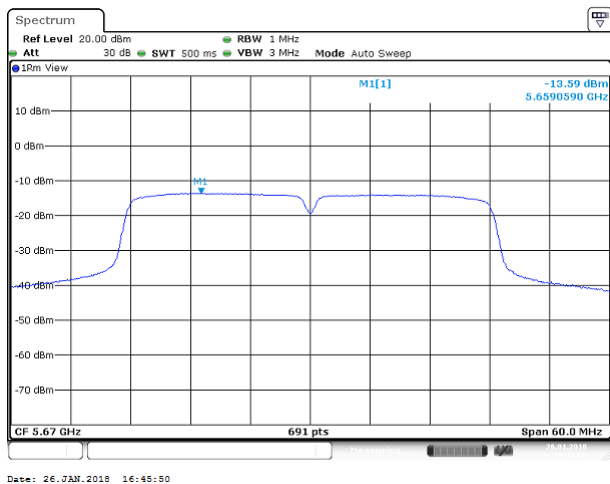
**Low CH**



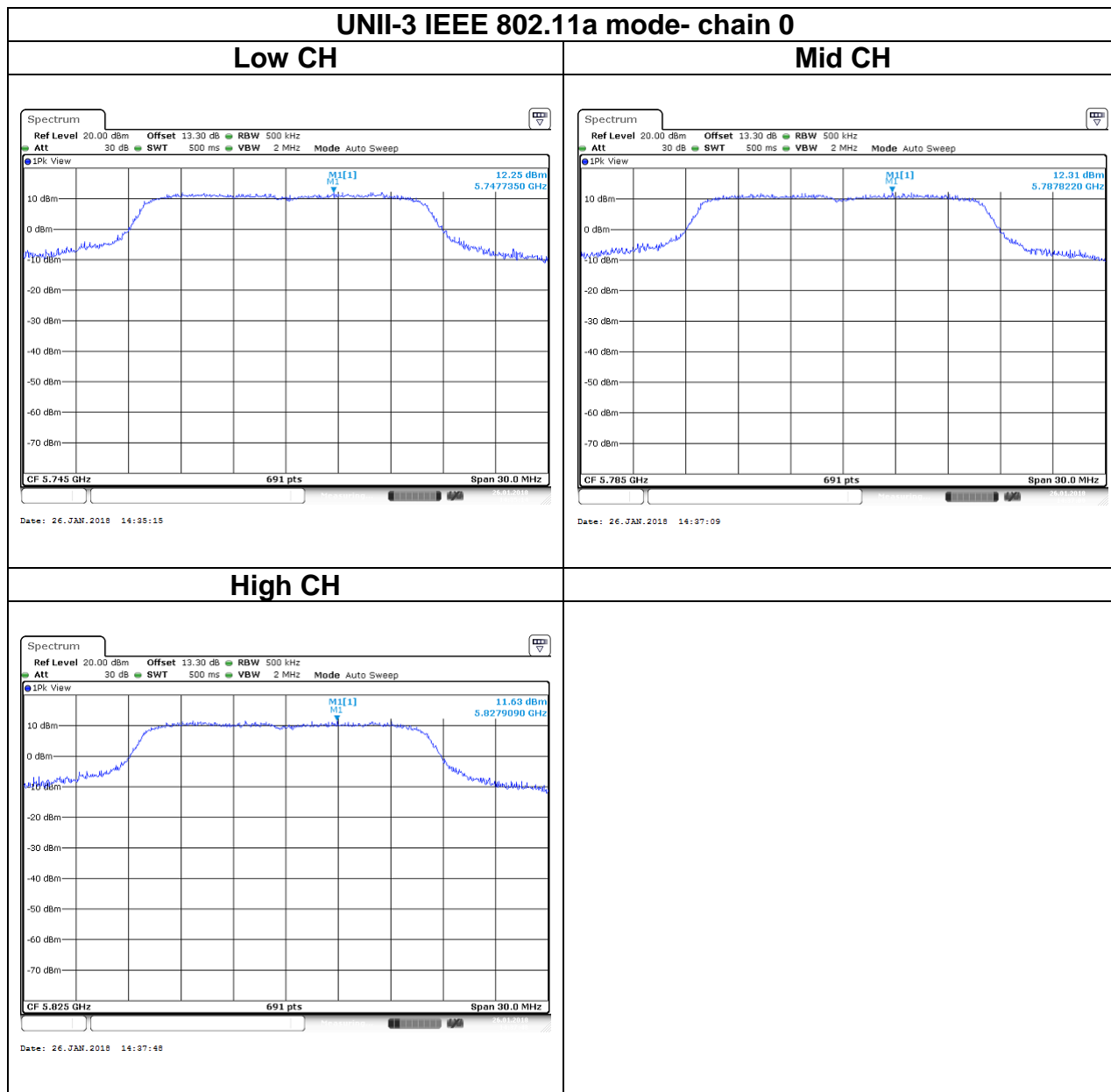
**Mid CH**



**High CH**

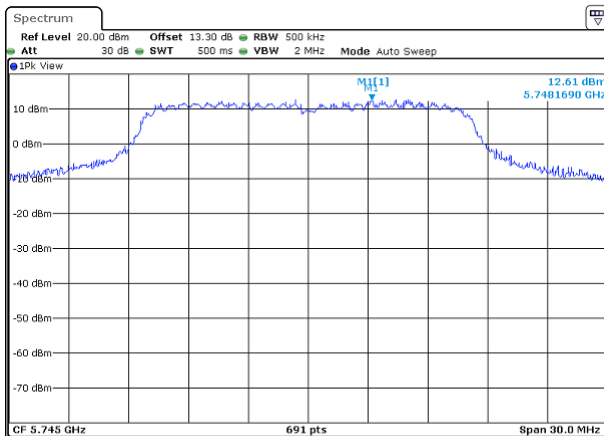


## Test Data

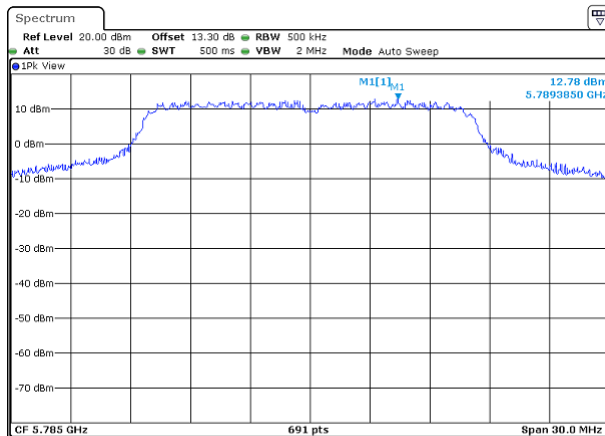


**UNII-3 IEEE 802.11a mode- chain 1**

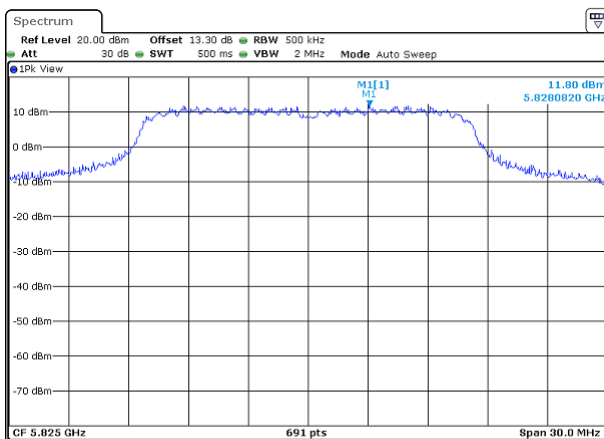
**Low CH**



**Mid CH**



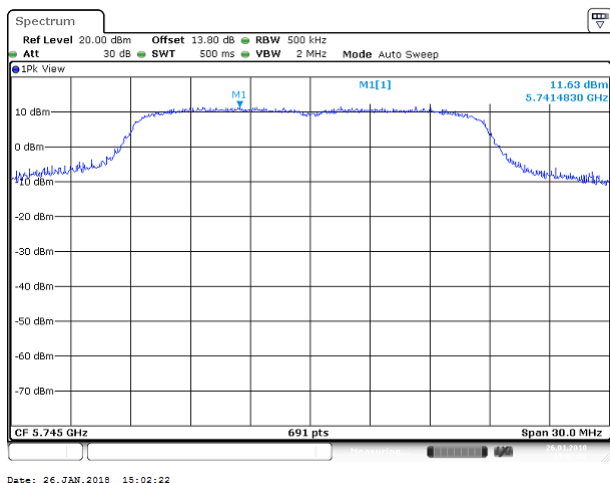
**High CH**



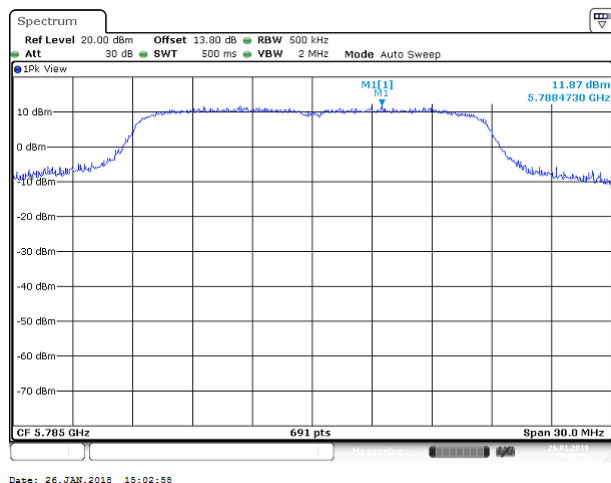


**UNII-3 IEEE 802.11n 20 MHz mode- chain 0**

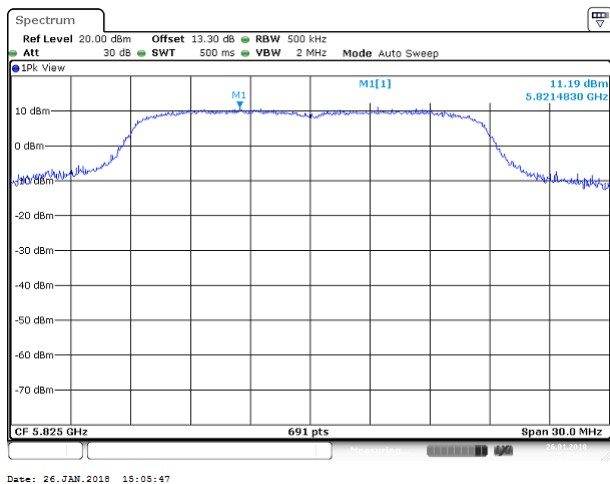
**Low CH**



**Mid CH**

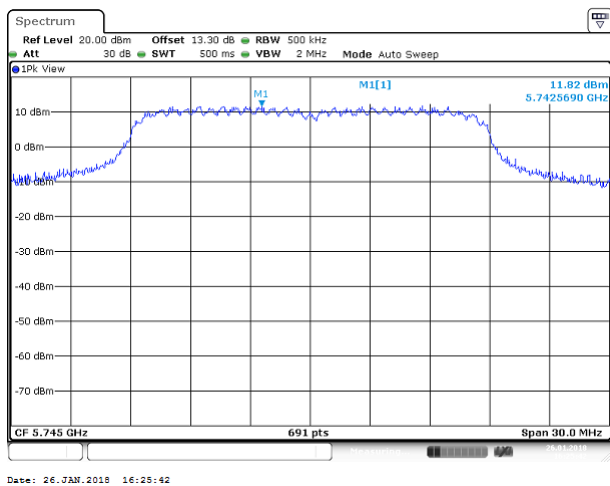


**High CH**

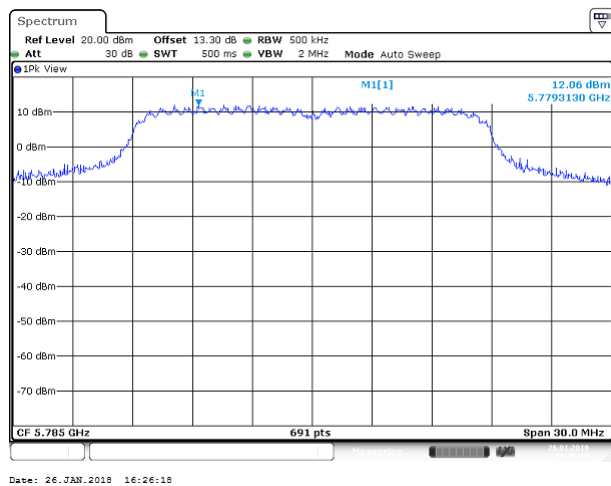


**UNII-3 IEEE 802.11n 20 MHz mode- chain 1**

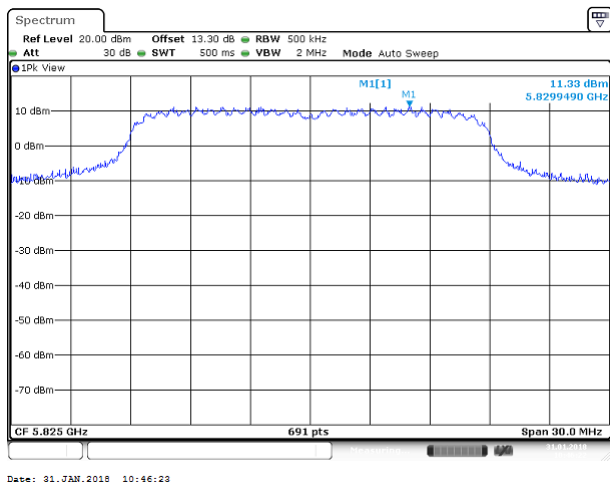
**Low CH**

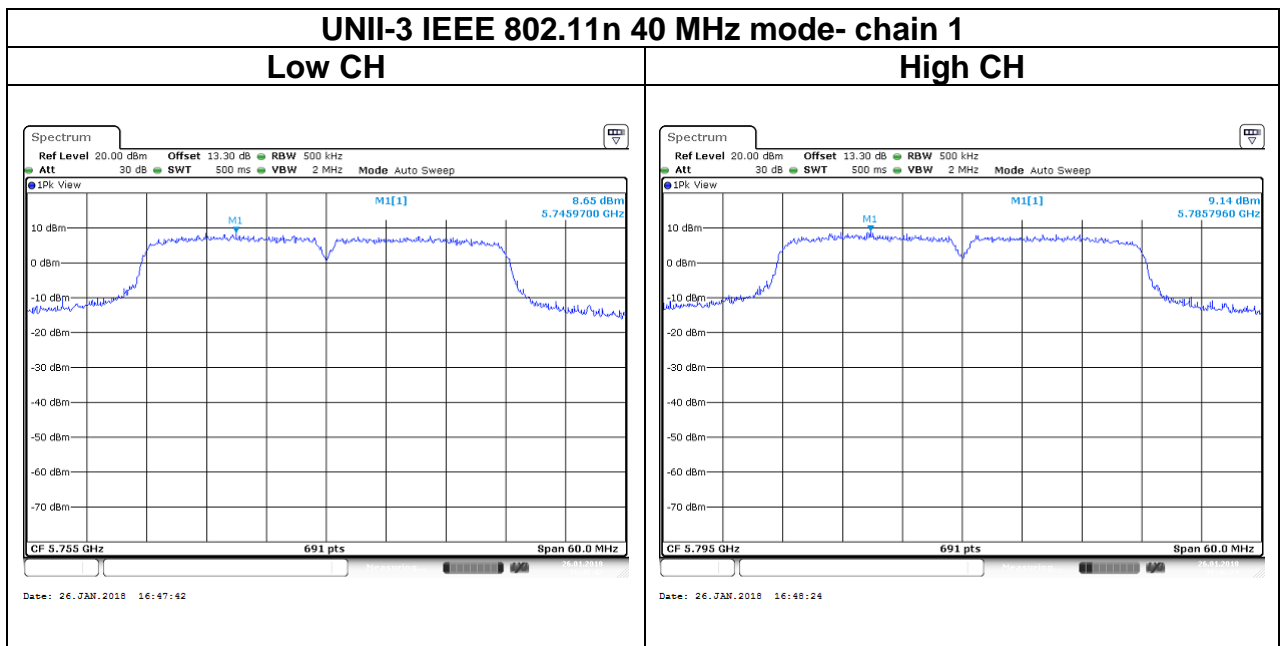
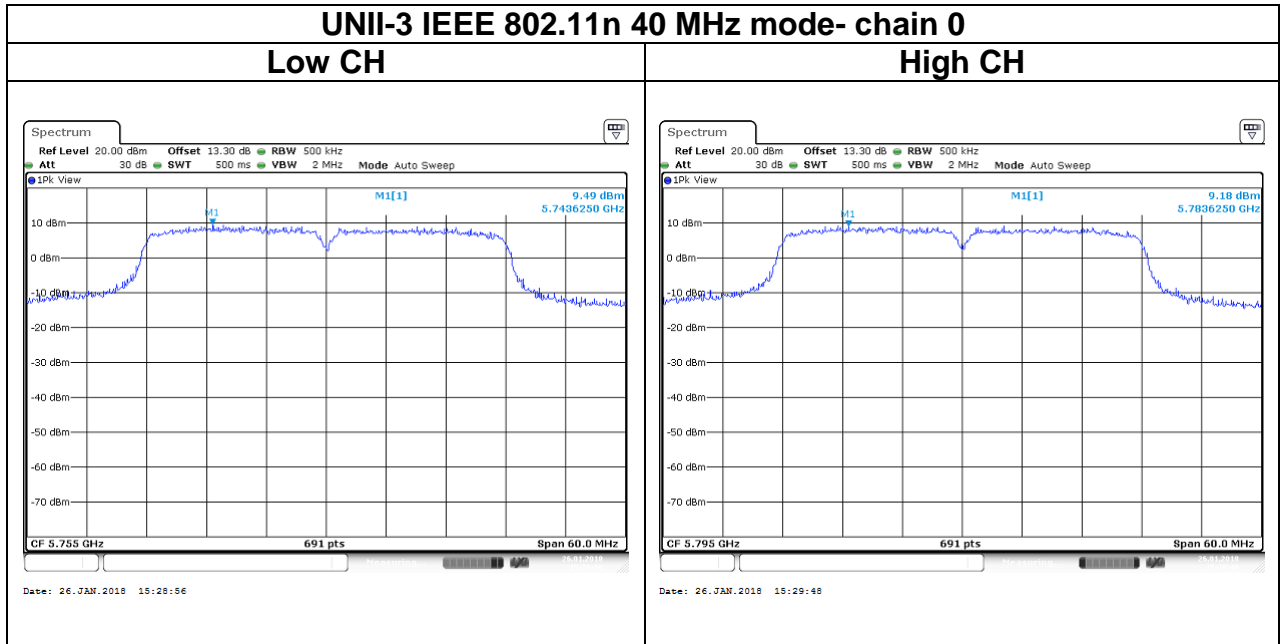


**Mid CH**



**High CH**





## 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

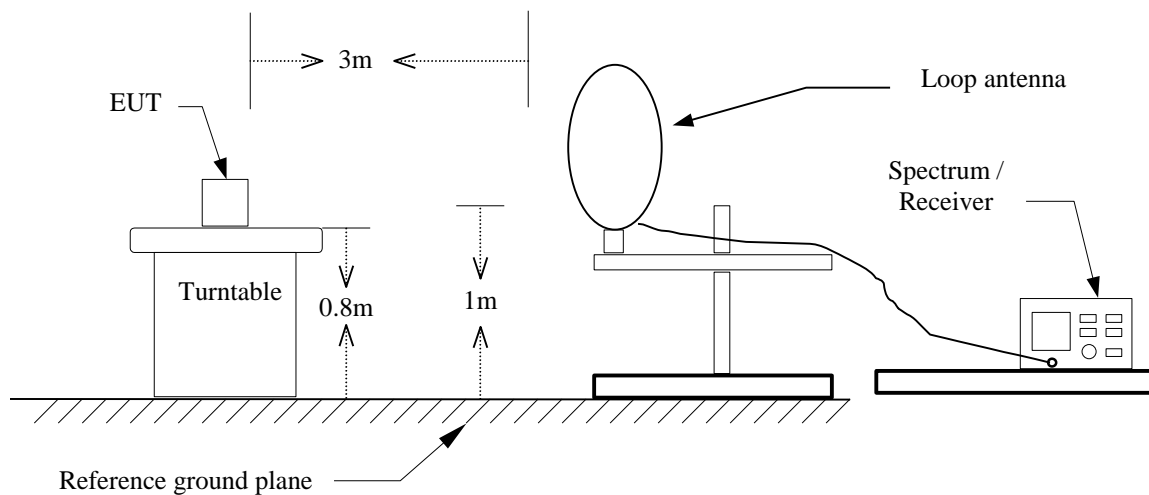
Test method Refer as KDB 789033 D02 v02r01, Section G.3, G.4, G.5, and G.6,.

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, 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  $\geq 3 \cdot$ RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
  - (2) Above 1G :
    - (2.1) For Peak measurement : RBW = 1MHz, VBW  $\geq 3$  RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
    - (2.2) For Average measurement : RBW = 1MHz, VBW
      - If Duty Cycle  $\geq 98\%$ , VBW=10Hz.
      - If Duty Cycle  $< 98\%$ , VBW=1/T.

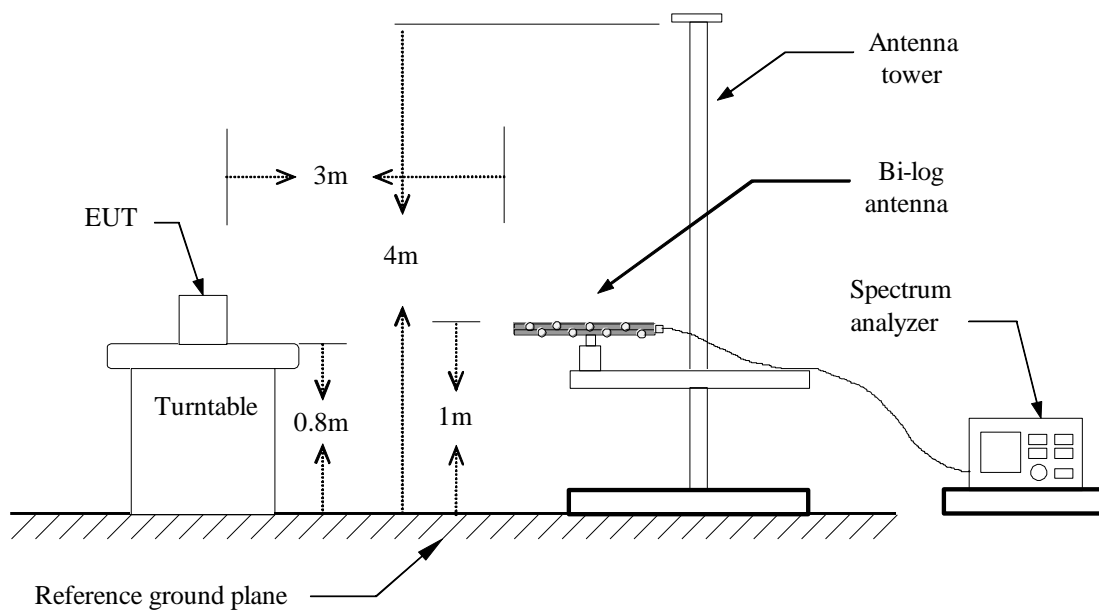
Configuration	Duty Cycle (%)	T(ms)	1/T (Hz)	VBW Setting
802.11a	99%	2.0500	-	10Hz
802.11n 20MHz	99%	2.0500	-	10Hz
802.11n 40MHz	99%	0.9600	-	10Hz

### 4.5.3 Test Setup

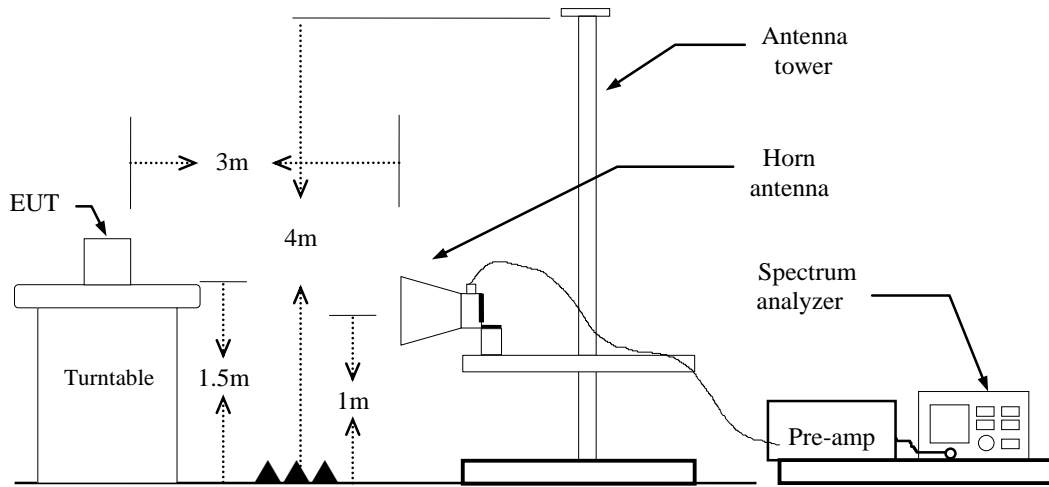
#### 9kHz ~ 30MHz



#### 30MHz ~ 1GHz



**Above 1 GHz**

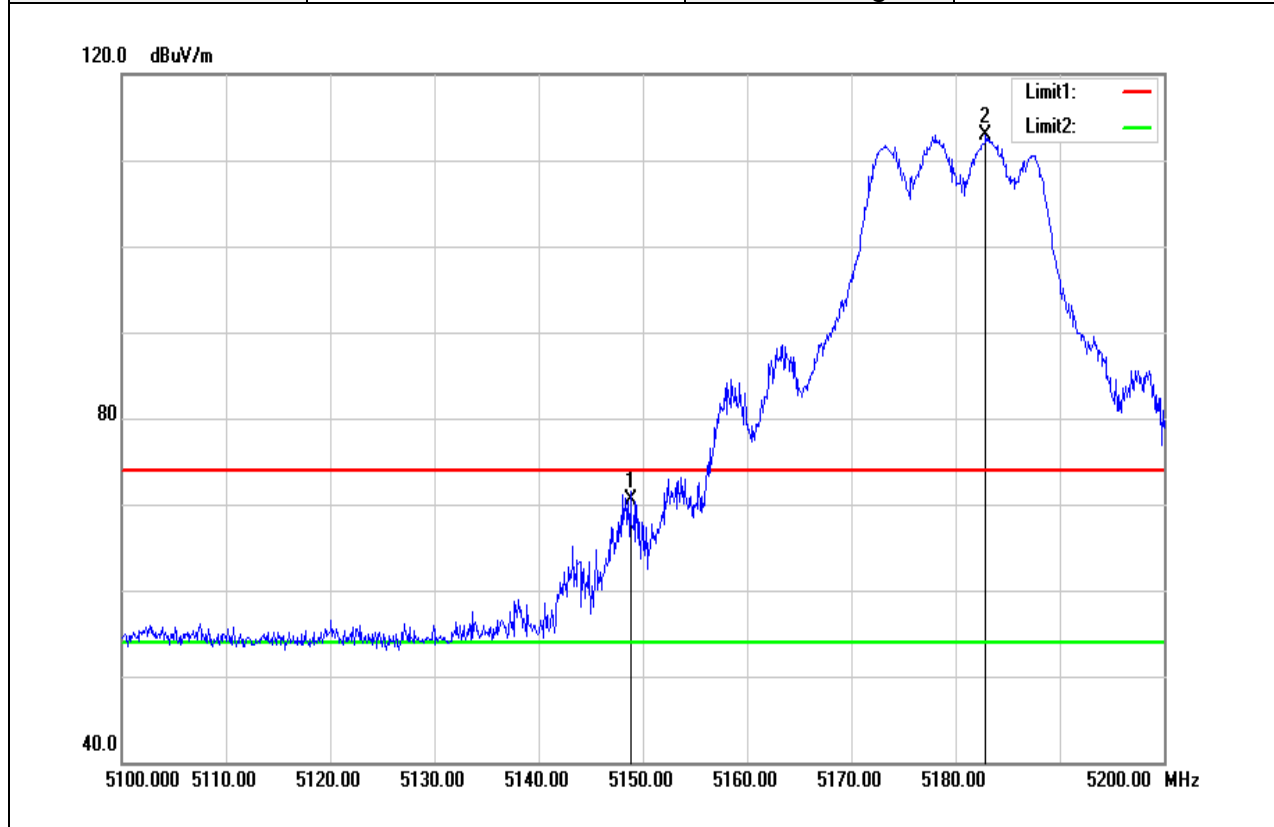


### 4.5.4 Test Result

#### Test Data

#### Band Edge Test Data for UNII-1

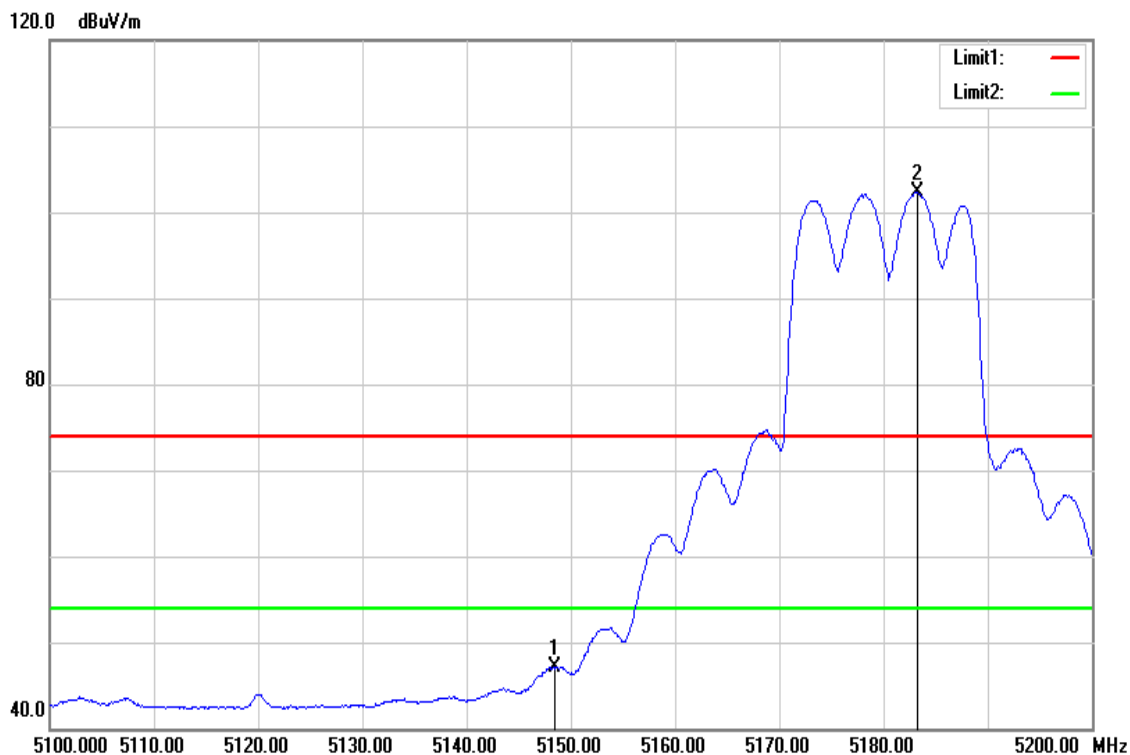
Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5148.800	65.40	5.06	70.46	74.00	-3.54	peak
5182.900	107.83	5.14	112.97	-	-	peak

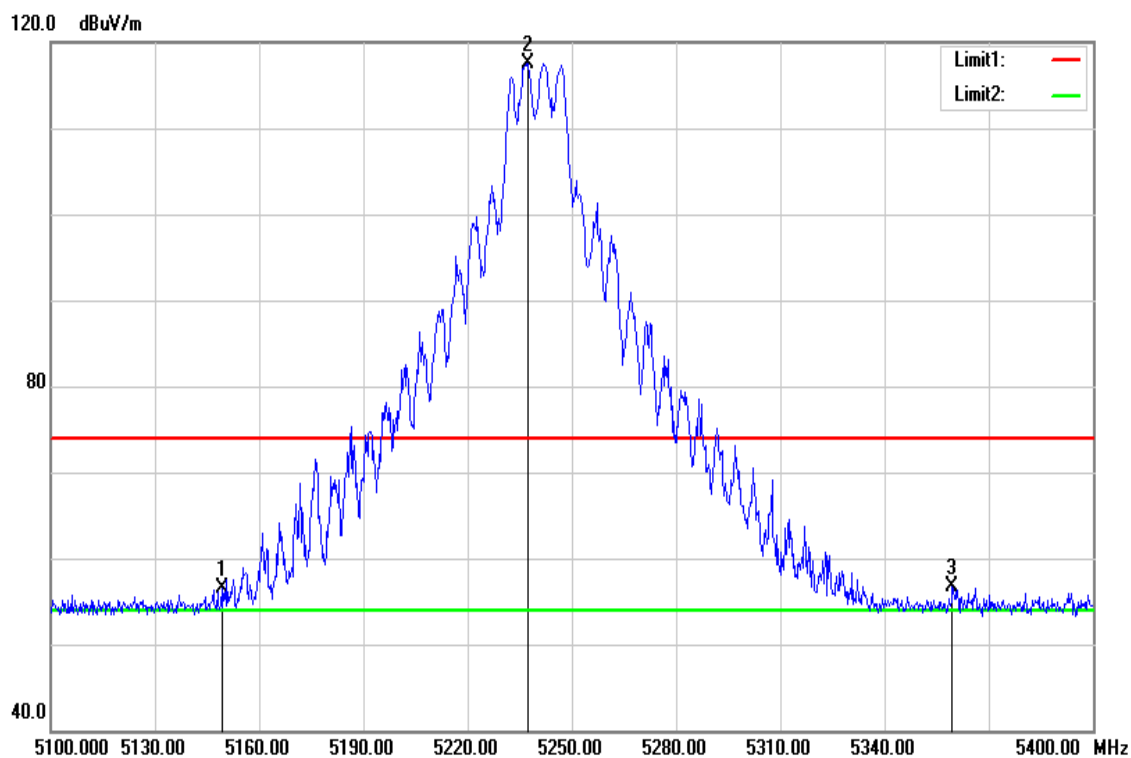


Test Mode	IEEE 802.11a / 5180MHZ	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



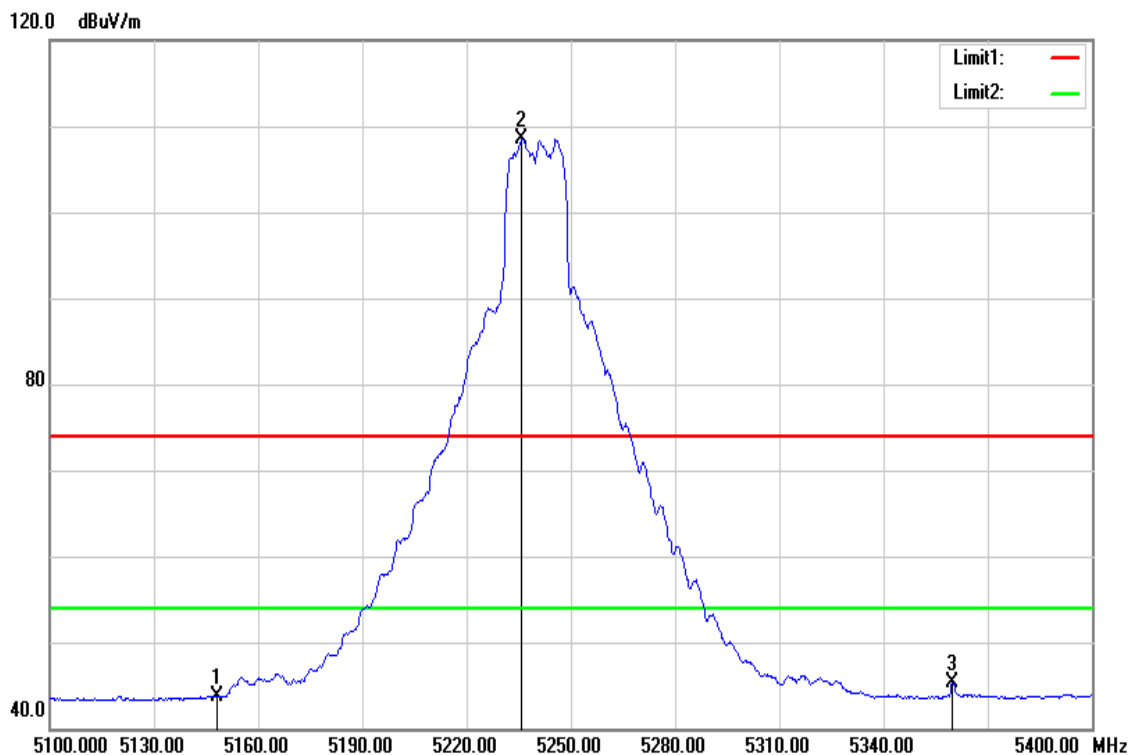
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5148.500	42.02	5.06	47.08	54.00	-6.92	AVG
5183.200	97.16	5.14	102.30	-	-	AVG

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



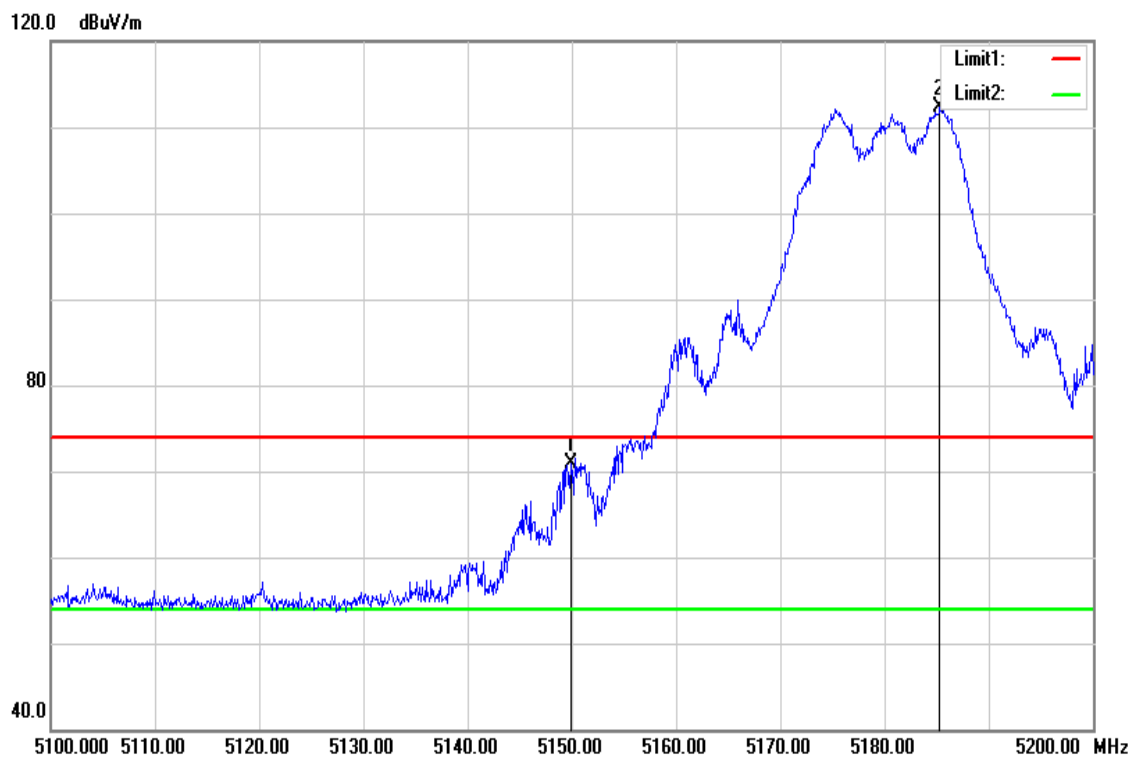
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5149.200	51.36	5.06	56.42	74.00	-17.58	peak
5237.400	112.31	5.28	117.59	-	-	peak
5359.500	51.05	5.59	56.64	74.00	-17.36	peak

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



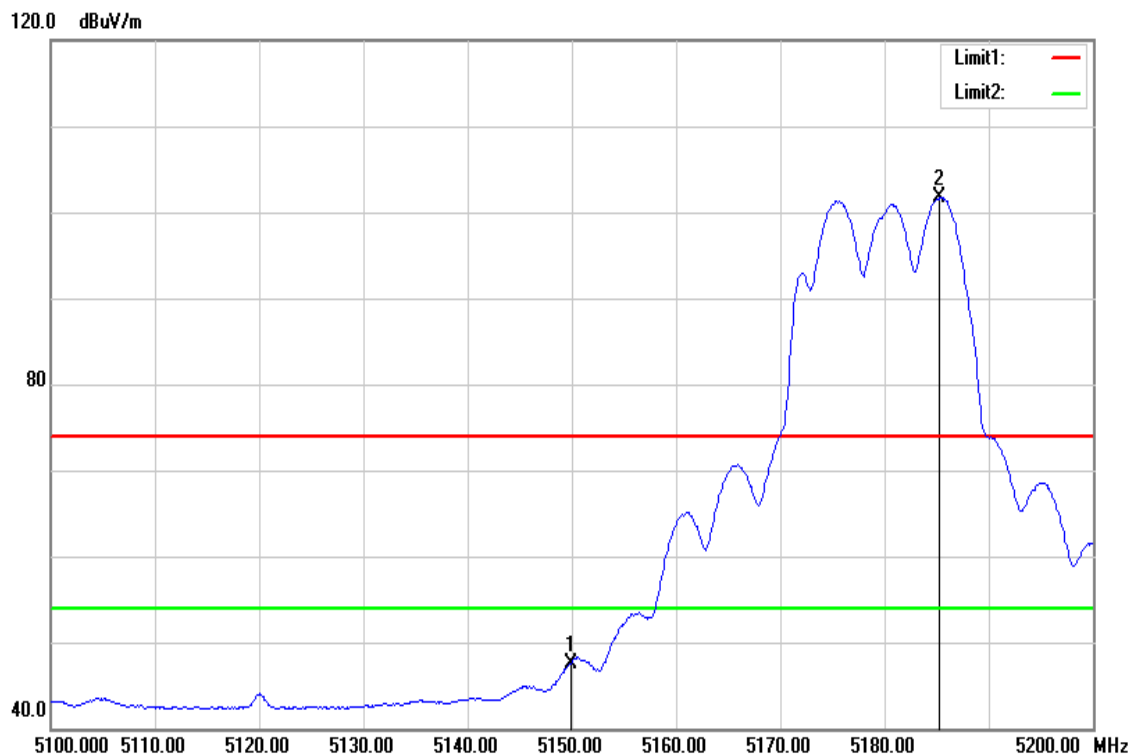
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5148.300	38.71	5.06	43.77	54.00	-10.23	AVG
5235.900	103.23	5.28	108.51	-	-	AVG
5359.800	39.69	5.59	45.28	54.00	-8.72	AVG

Test Mode	IEEE 802.11n 20 MHz / 5180MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



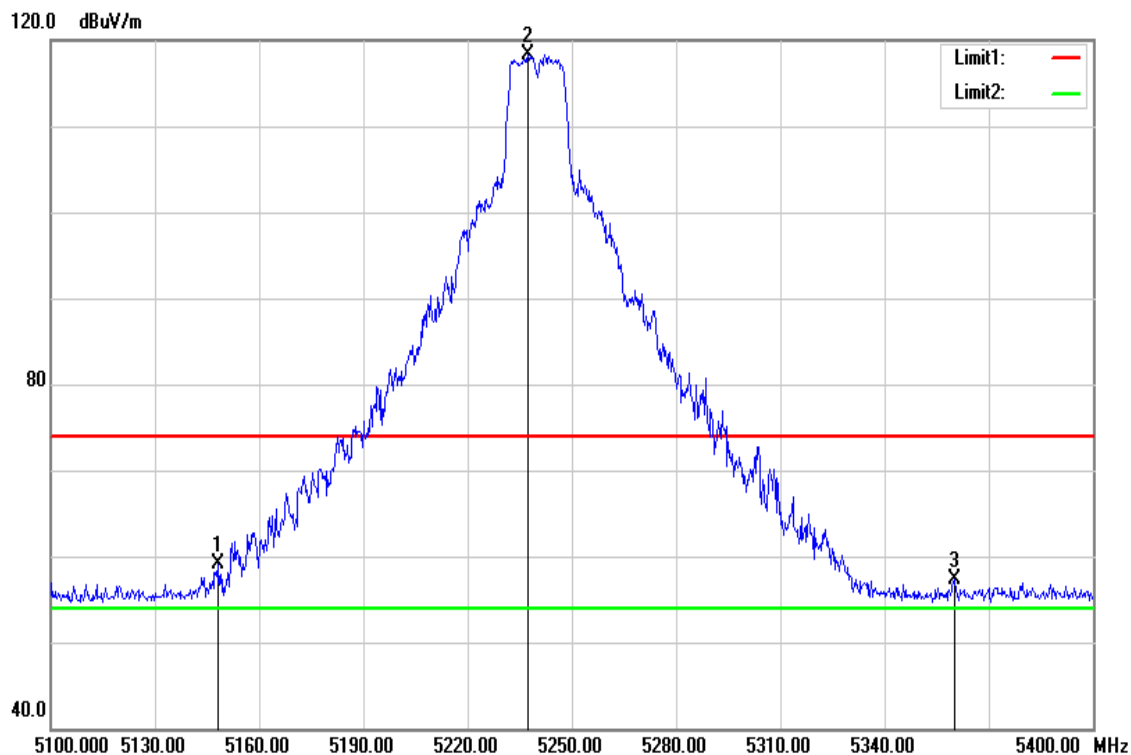
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5149.900	65.79	5.06	70.85	74.00	-3.15	peak
5185.300	107.18	5.15	112.33	-	-	peak

Test Mode	IEEE 802.11n 20 MHz / 5180MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



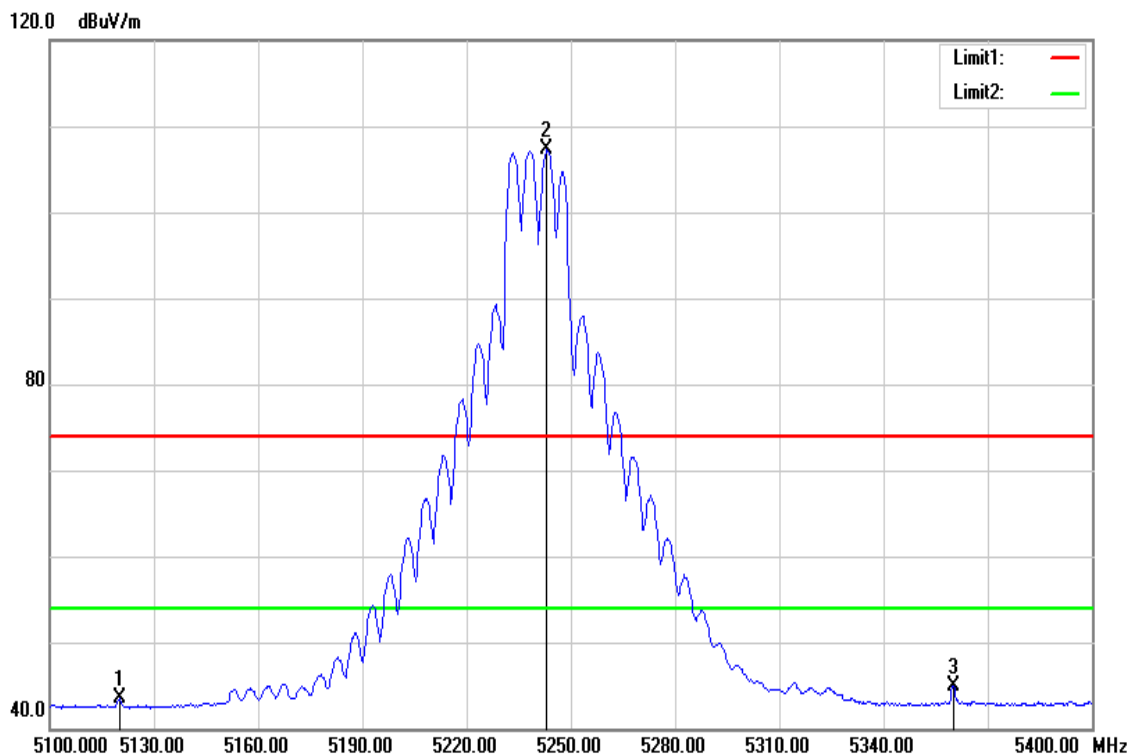
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5149.900	42.53	5.06	47.59	54.00	-6.41	AVG
5185.300	96.60	5.15	101.75	-	-	AVG

Test Mode	IEEE 802.11n 20 MHz / 5240MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



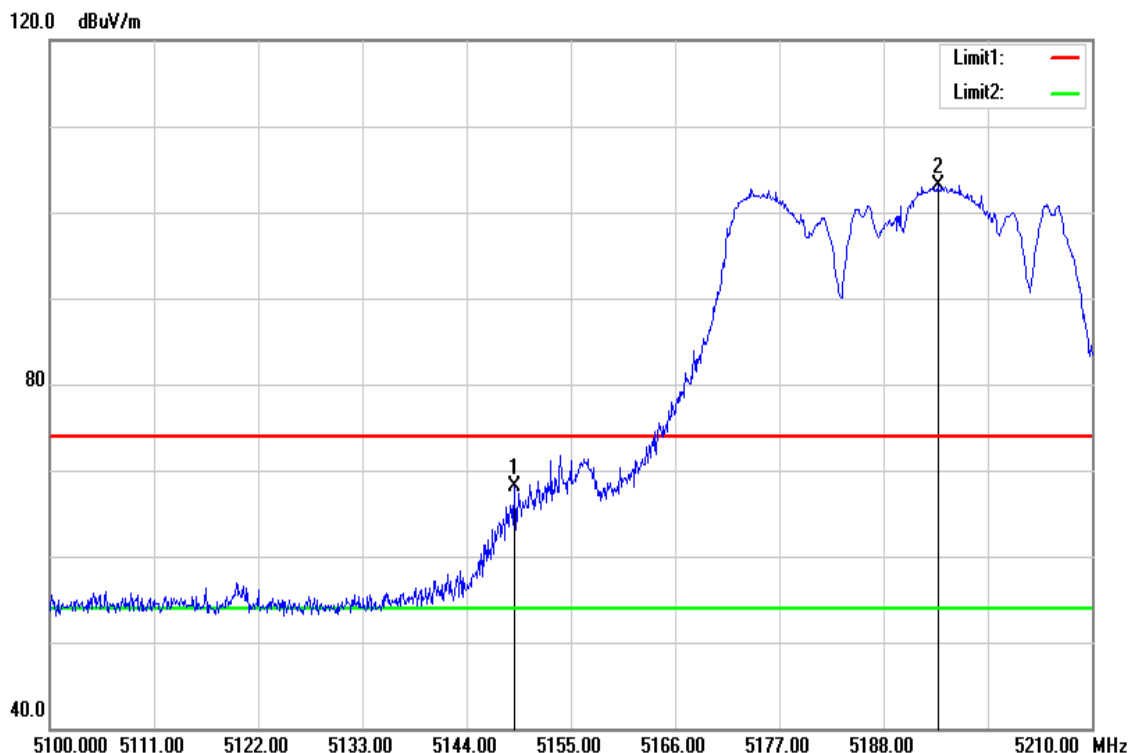
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5148.300	54.10	5.06	59.16	74.00	-14.84	peak
5237.400	113.08	5.28	118.36	-	-	peak
5360.100	51.81	5.59	57.40	74.00	-16.60	peak

Test Mode	IEEE 802.11n 20 MHz / 5240MHZ	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5120.100	38.44	4.99	43.43	54.00	-10.57	AVG
5243.100	101.97	5.29	107.26	-	-	AVG
5360.100	39.39	5.59	44.98	54.00	-9.02	AVG

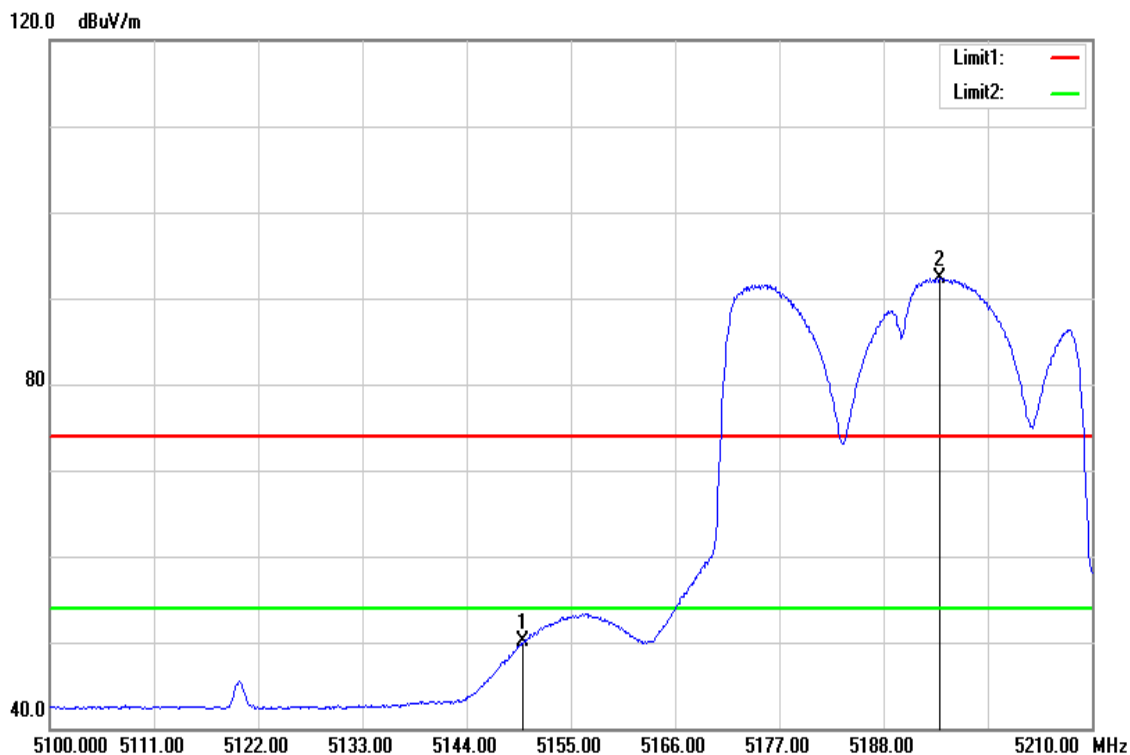
Test Mode	IEEE 802.11n 40 MHz / 5190MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5149.060	62.97	5.06	68.03	74.00	-5.97	peak
5193.720	97.84	5.17	103.01	-	-	peak

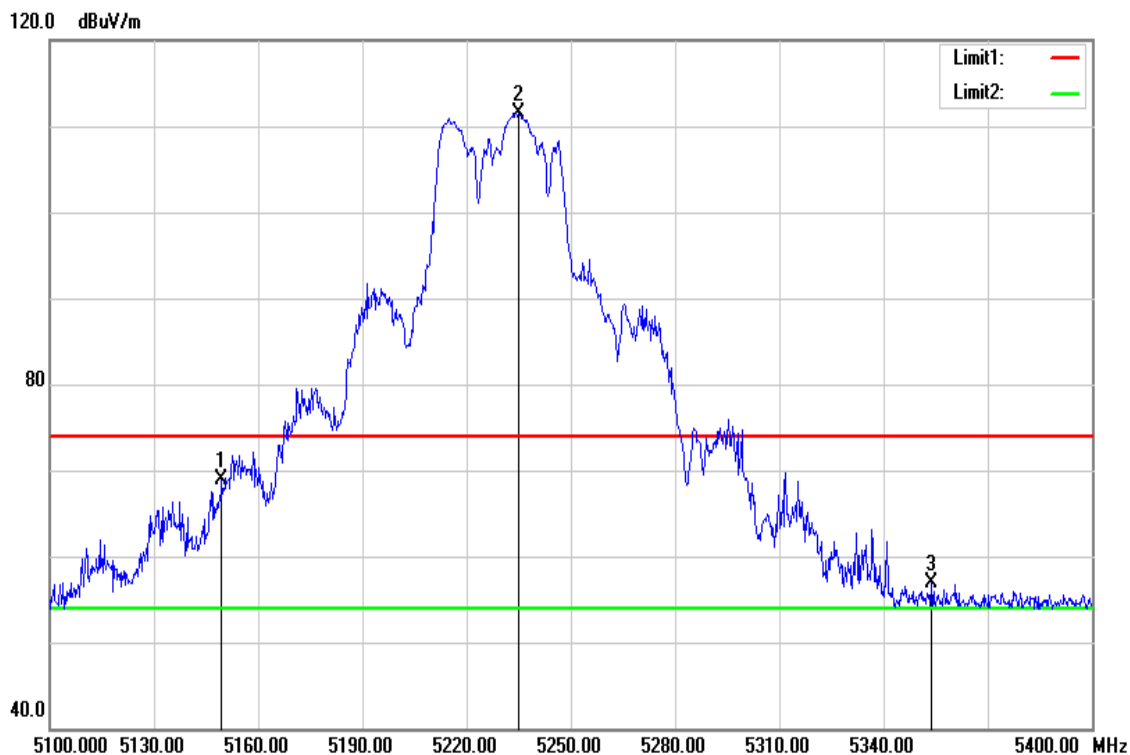


Test Mode	IEEE 802.11n 40 MHz / 5190MHz	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



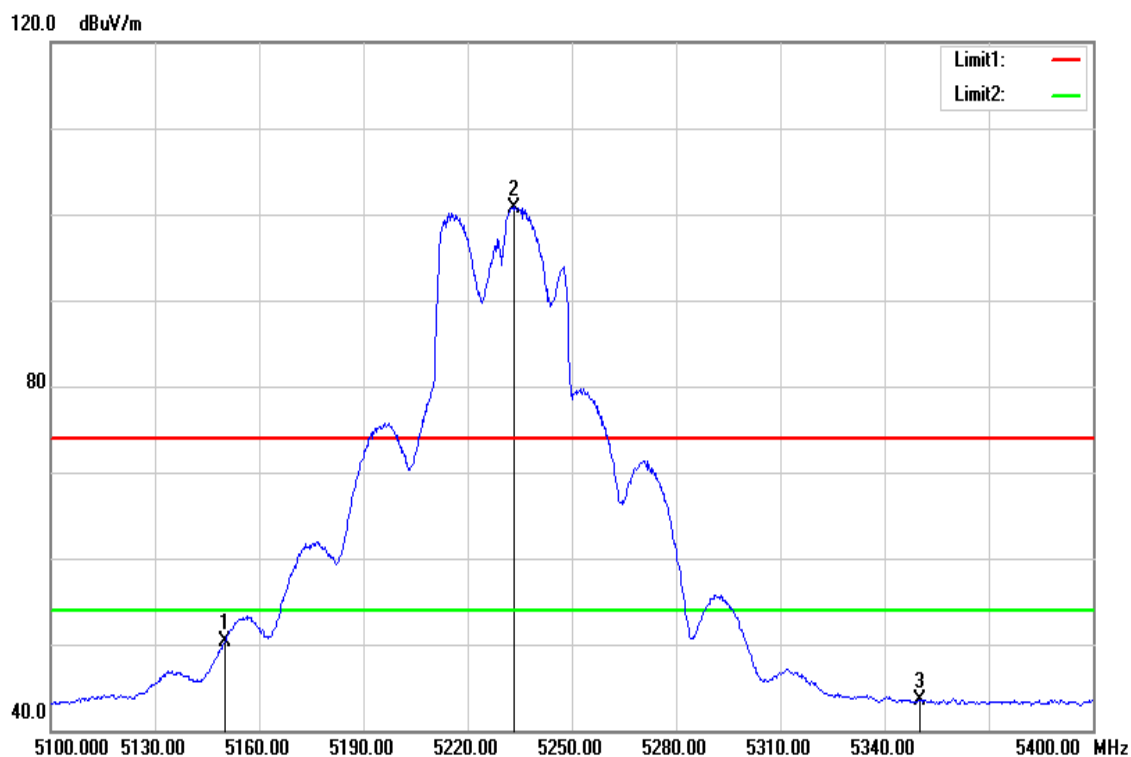
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5150.000	44.97	5.06	50.03	54.00	-3.97	AVG
5193.940	87.14	5.17	92.31	-	-	AVG

Test Mode	IEEE 802.11n 40 MHz / 5230MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5149.500	63.83	5.06	68.89	74.00	-5.11	peak
5235.000	106.28	5.27	111.55	-	-	peak
5353.800	51.30	5.56	56.86	74.00	-17.14	peak

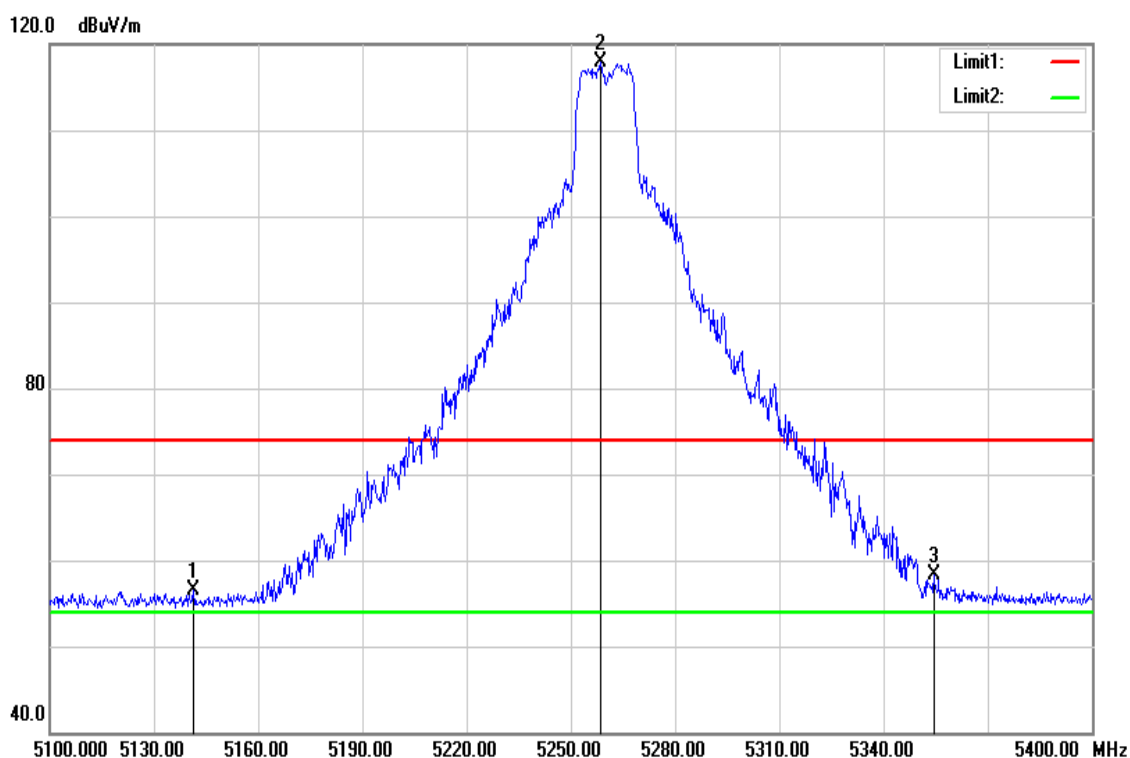
Test Mode	IEEE 802.11n 40 MHz / 5230MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5150.000	45.20	5.06	50.26	54.00	-3.74	AVG
5233.200	95.53	5.27	100.80	-	-	AVG
5350.000	37.98	5.56	43.54	54.00	-10.46	AVG

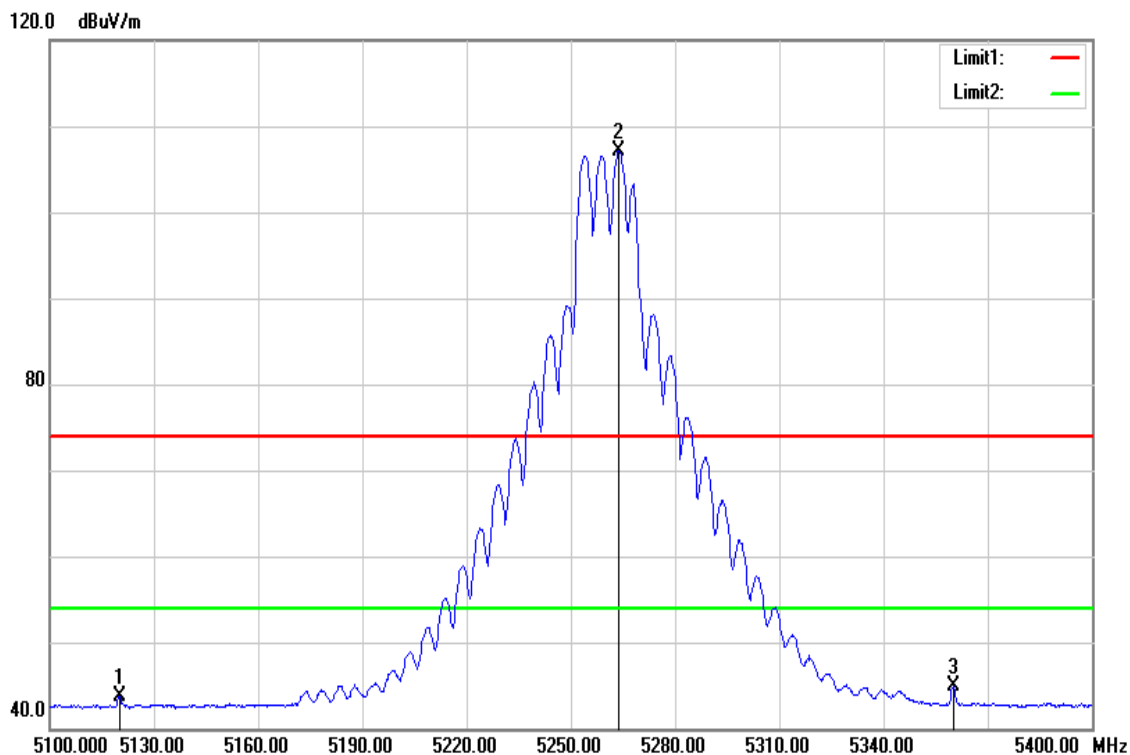
**Band Edge Test Data for UNII-2a**

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



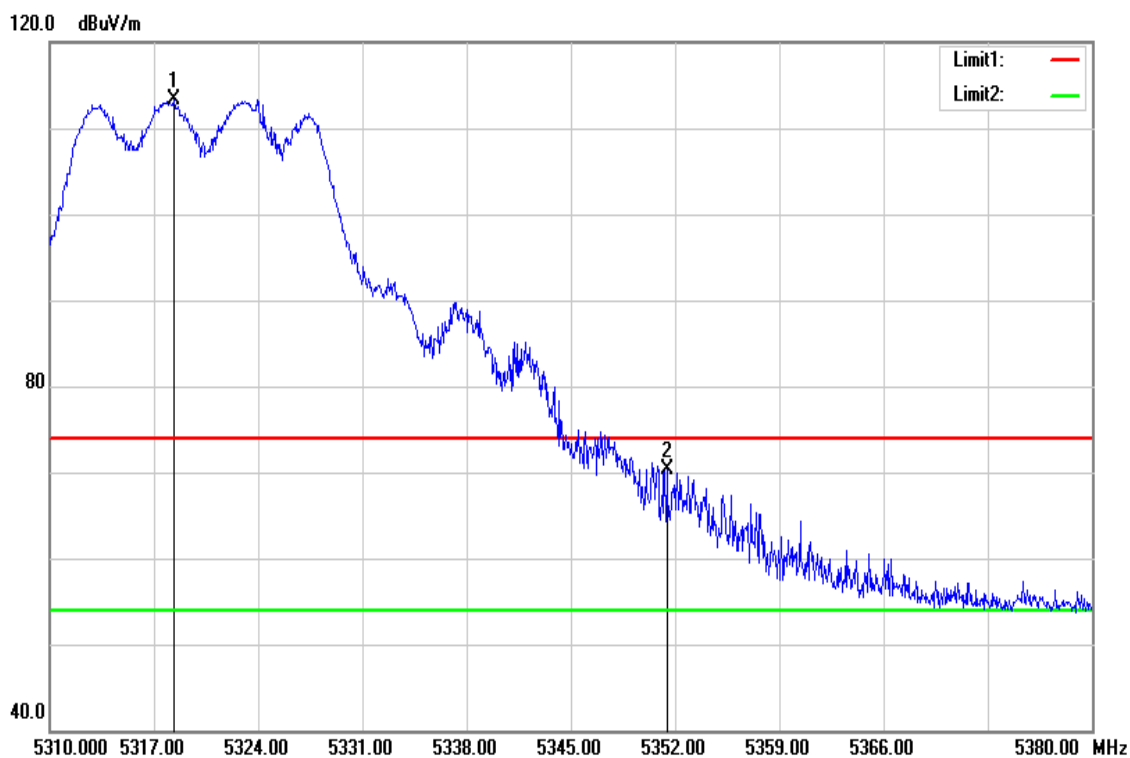
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5141.400	51.41	5.03	56.44	74.00	-17.56	peak
5258.400	112.54	5.34	117.88	-	-	peak
5354.400	52.84	5.56	58.40	74.00	-15.60	peak

Test Mode	IEEE 802.11a / 5260MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



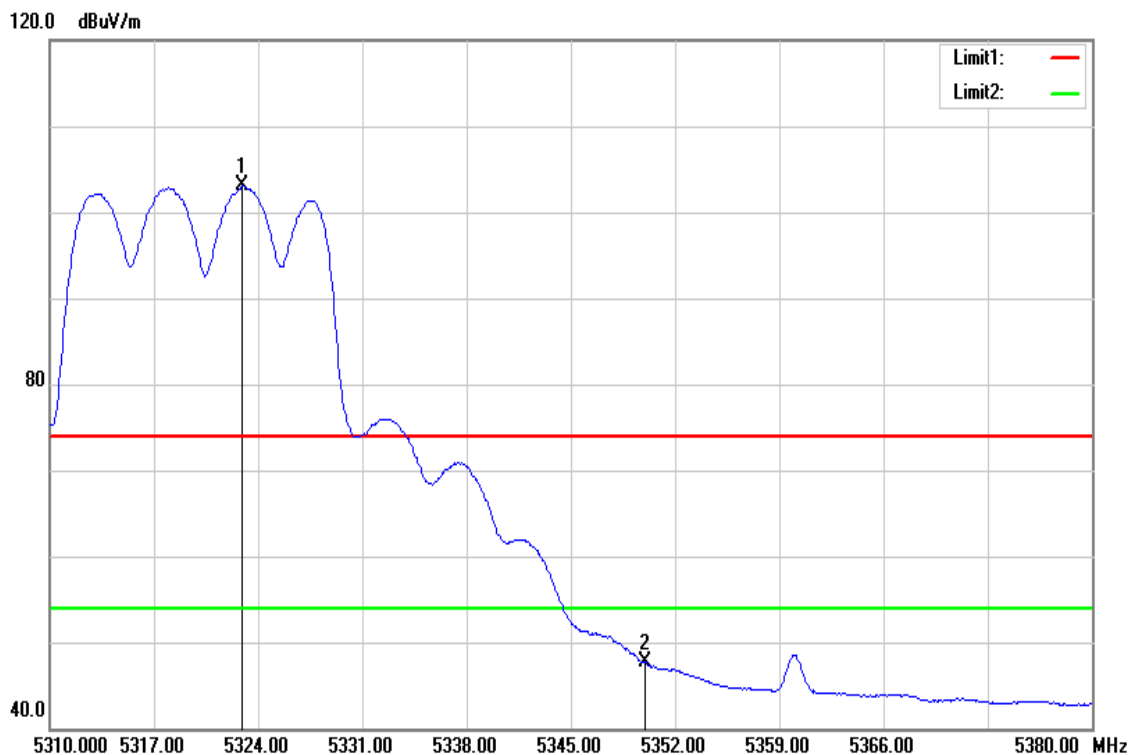
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5120.100	38.76	4.99	43.75	54.00	-10.25	AVG
5263.800	101.72	5.34	107.06	-	-	AVG
5360.100	39.22	5.59	44.81	54.00	-9.19	AVG

Test Mode	IEEE 802.11a / 5320MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



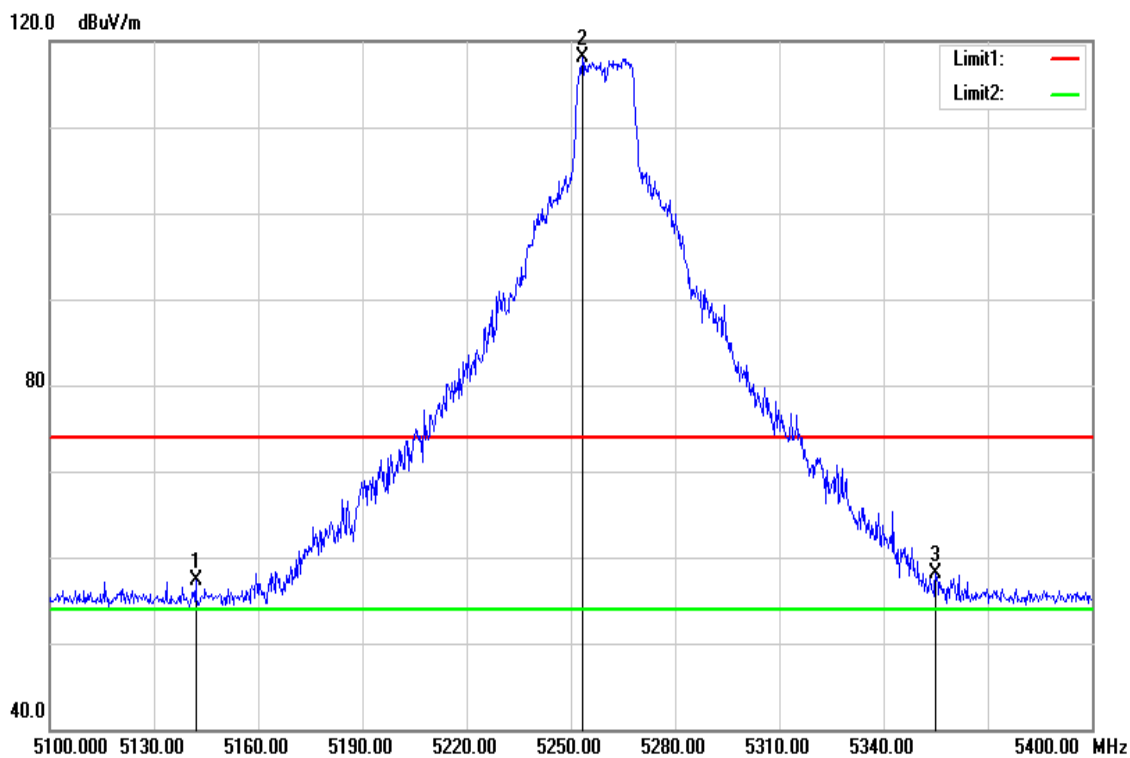
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5318.330	107.85	5.48	113.33	-	-	peak
5351.440	64.75	5.56	70.31	74.00	-3.69	peak

Test Mode	IEEE 802.11a / 5320MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5322.880	97.57	5.48	103.05	-	-	AVG
5350.000	42.10	5.56	47.66	54.00	-6.34	AVG

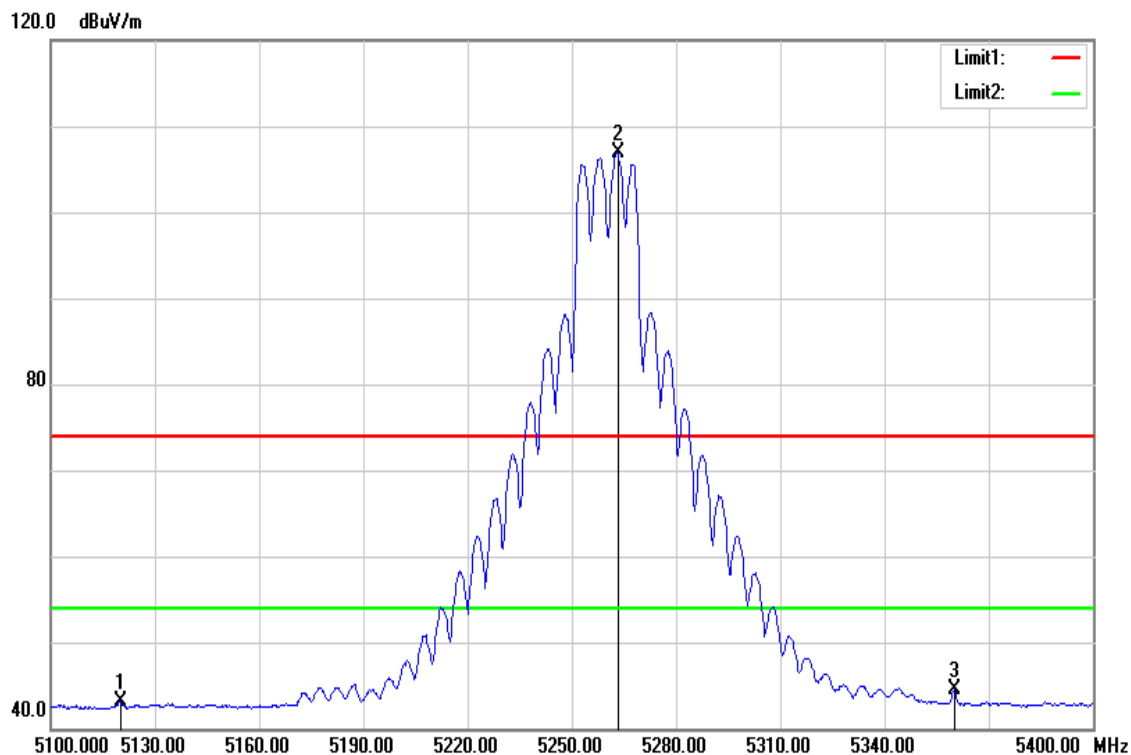
Test Mode	IEEE 802.11n 20 MHz / 5260MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5142.000	52.25	5.04	57.29	74.00	-16.71	peak
5253.300	112.74	5.31	118.05	-	-	peak
5355.000	52.51	5.56	58.07	74.00	-15.93	peak

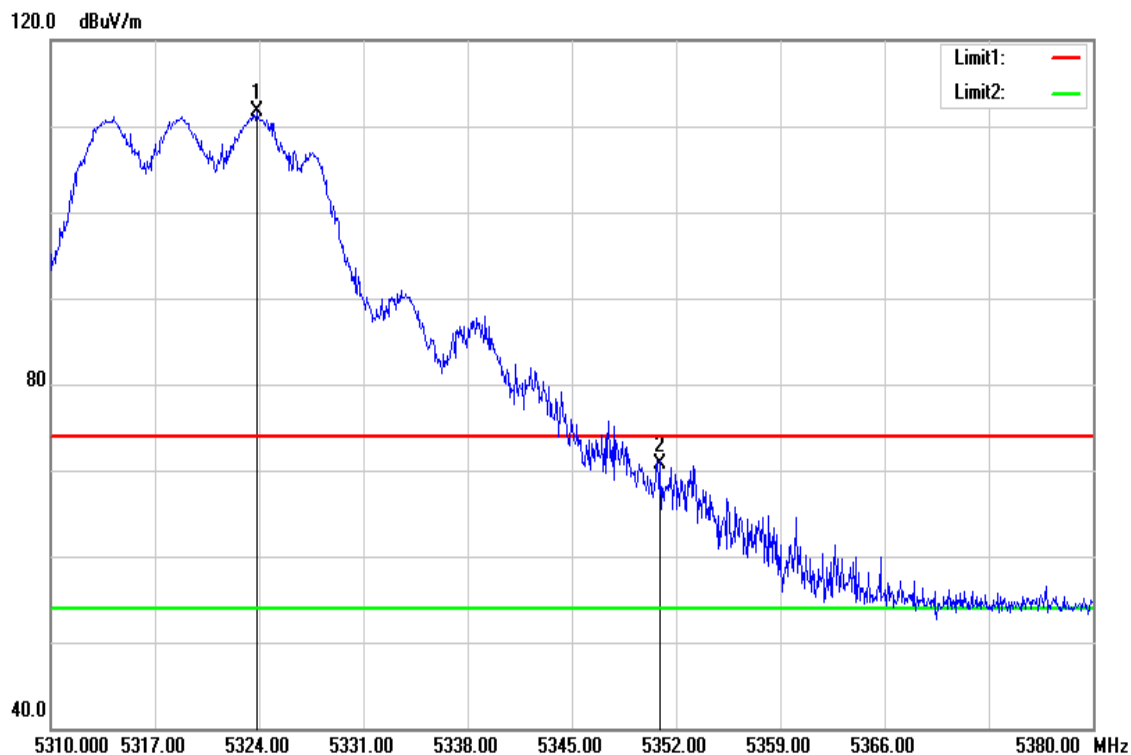


Test Mode	IEEE 802.11n 20 MHz / 5260MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



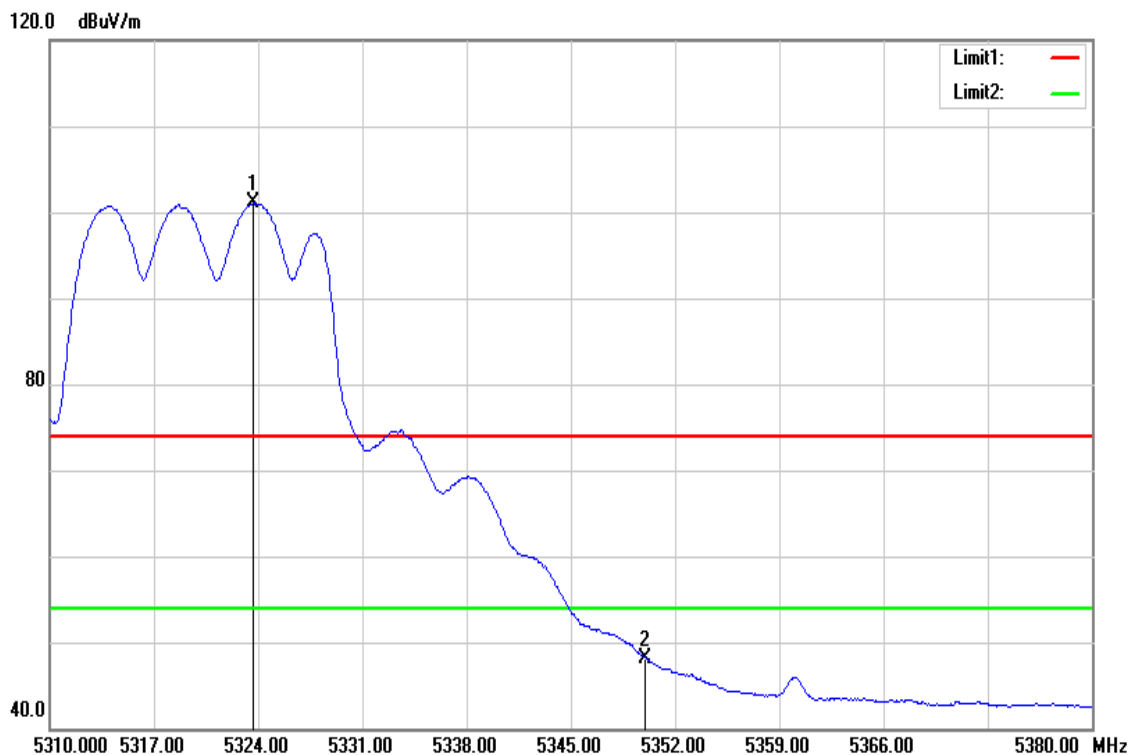
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5120.100	38.09	4.99	43.08	54.00	-10.92	AVG
5263.200	101.50	5.34	106.84	-	-	AVG
5360.100	38.85	5.59	44.44	54.00	-9.56	AVG

Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



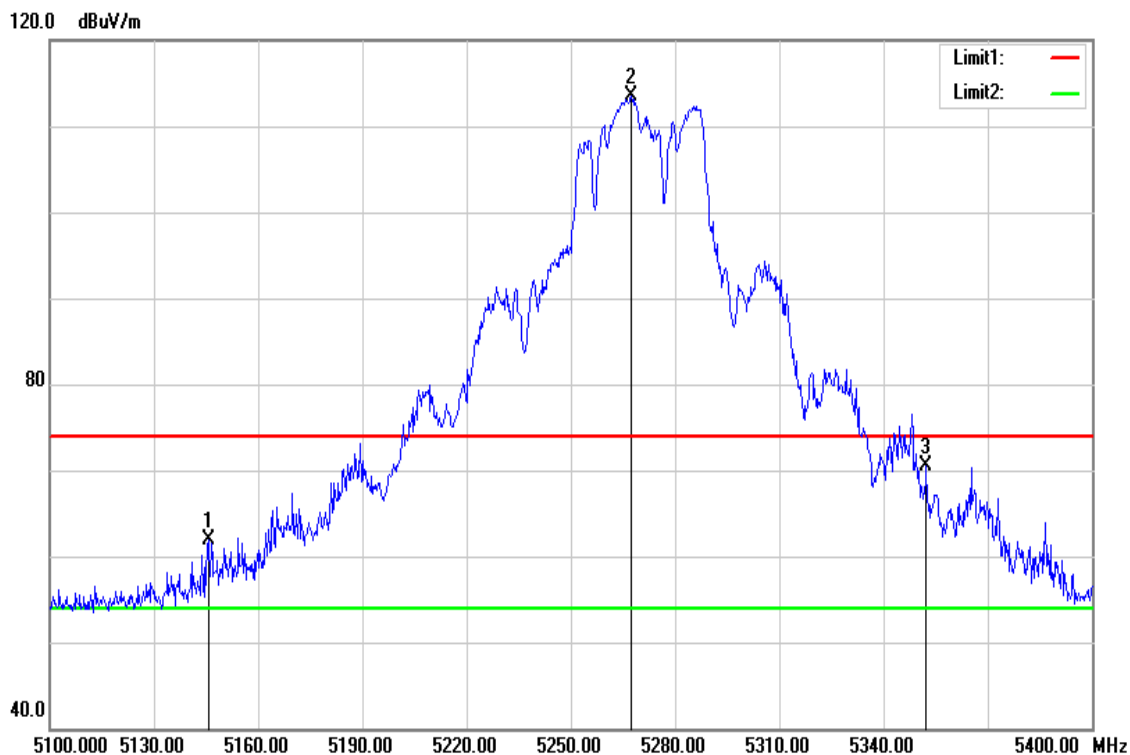
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5323.860	106.15	5.48	111.63	-	-	peak
5350.950	65.11	5.56	70.67	74.00	-3.33	peak

Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



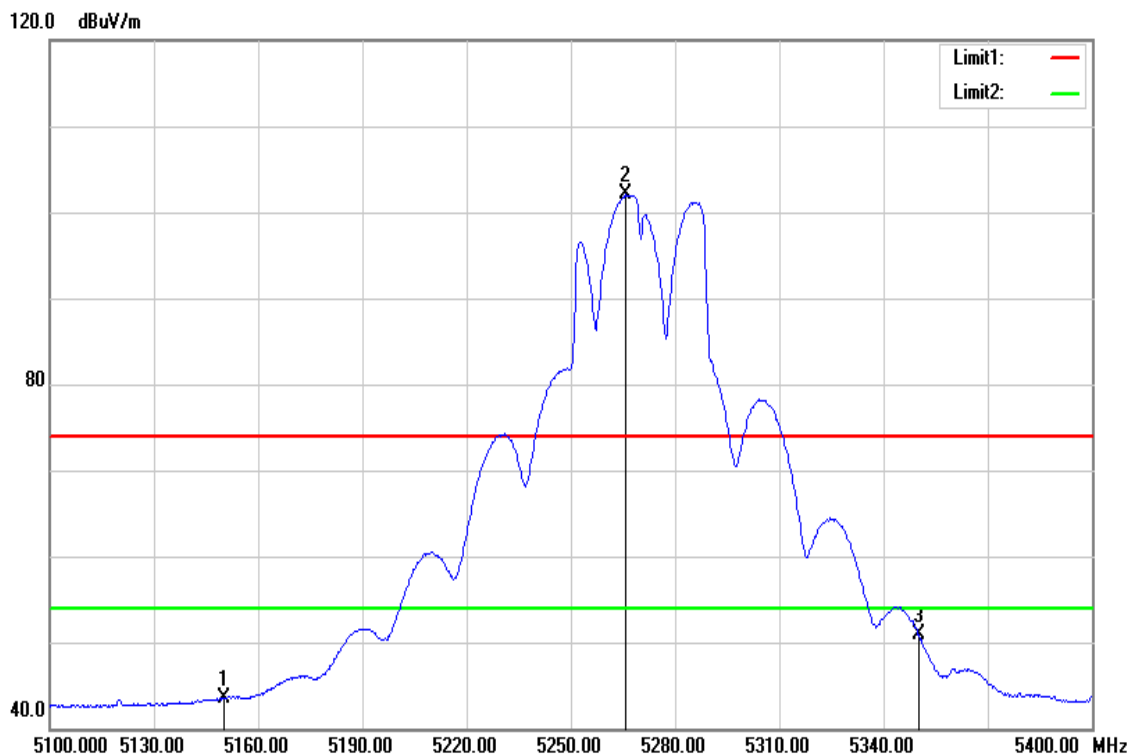
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5323.650	95.58	5.48	101.06	-	-	AVG
5350.000	42.54	5.56	48.10	54.00	-5.90	AVG

Test Mode	IEEE 802.11n 40 MHz / 5270MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



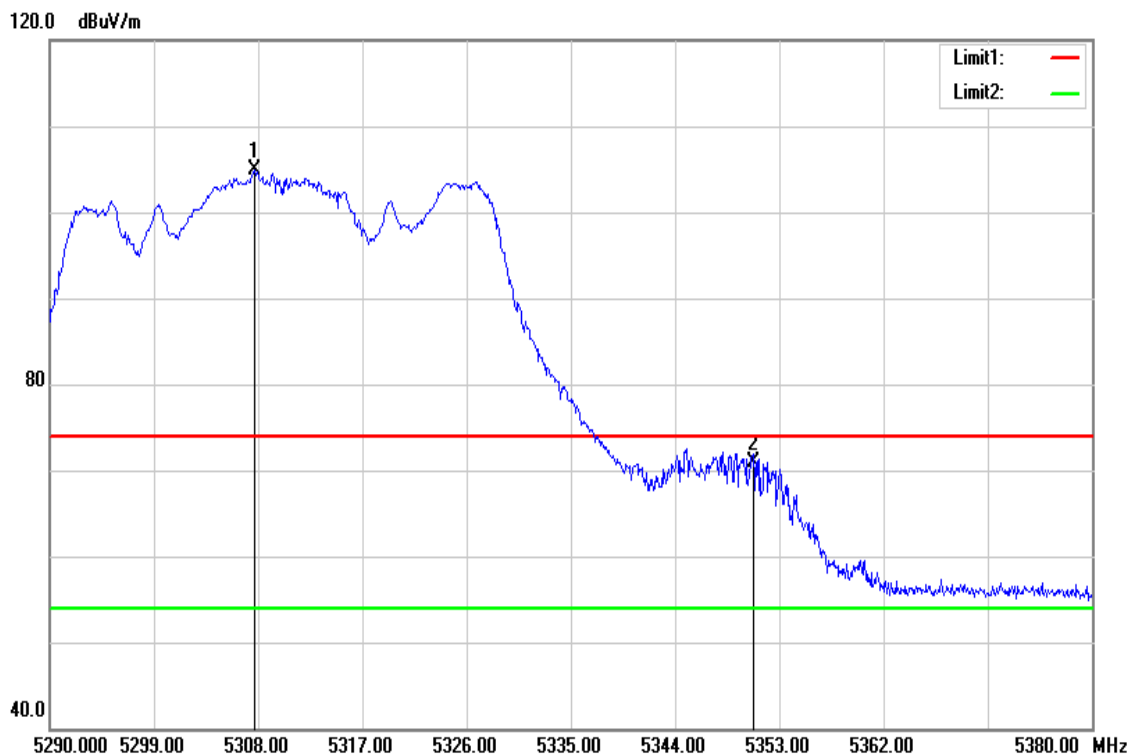
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5145.600	56.93	5.06	61.99	74.00	-12.01	peak
5267.400	108.17	5.36	113.53	-	-	peak
5352.300	65.01	5.56	70.57	74.00	-3.43	peak

Test Mode	IEEE 802.11n 40 MHz / 5270MHz	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



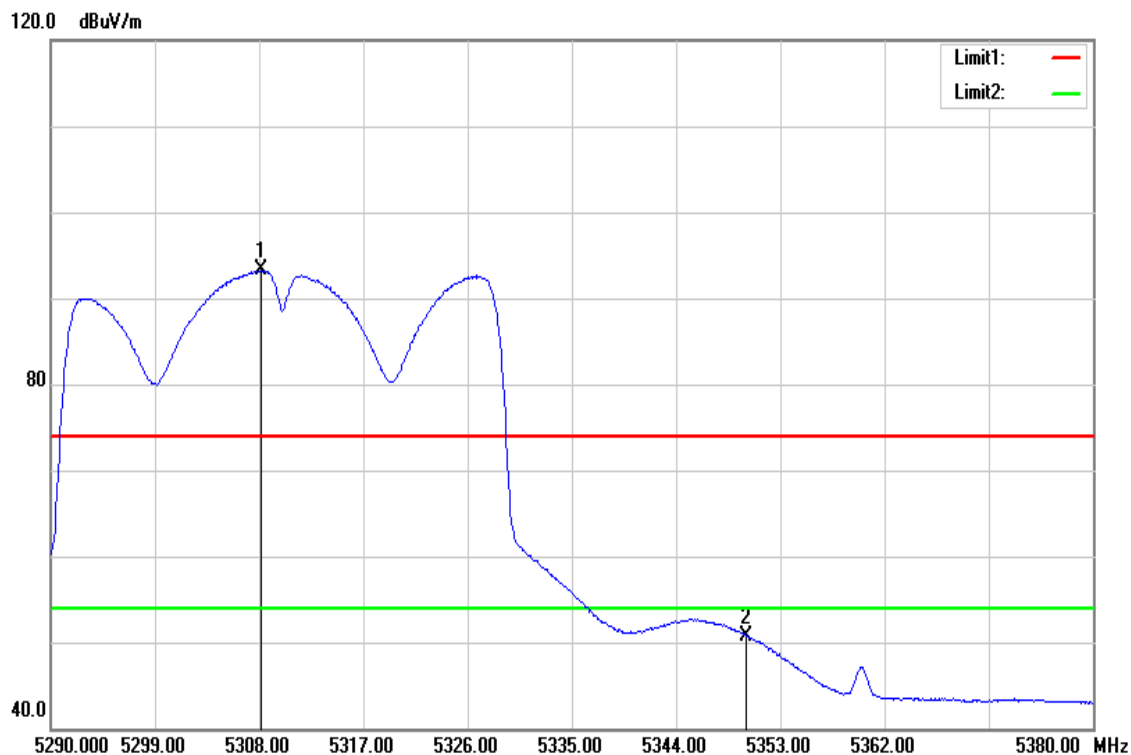
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5150.000	38.38	5.06	43.44	54.00	-10.56	AVG
5265.600	96.66	5.35	102.01	-	-	AVG
5350.000	45.28	5.56	50.84	54.00	-3.16	AVG

Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5307.730	99.47	5.45	104.92	-	-	peak
5350.750	65.26	5.56	70.82	74.00	-3.18	peak

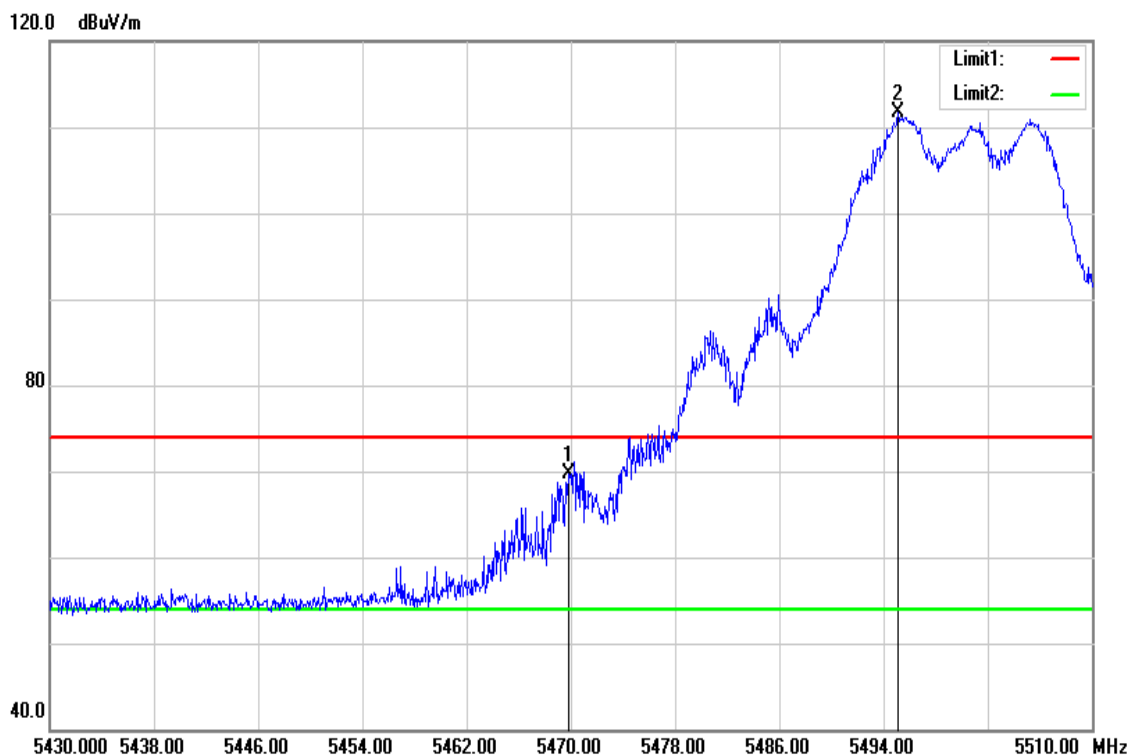
Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5308.180	87.80	5.45	93.25	-	-	AVG
5350.000	45.20	5.56	50.76	54.00	-3.24	AVG

**Band Edge Test Data for UNII-2c**

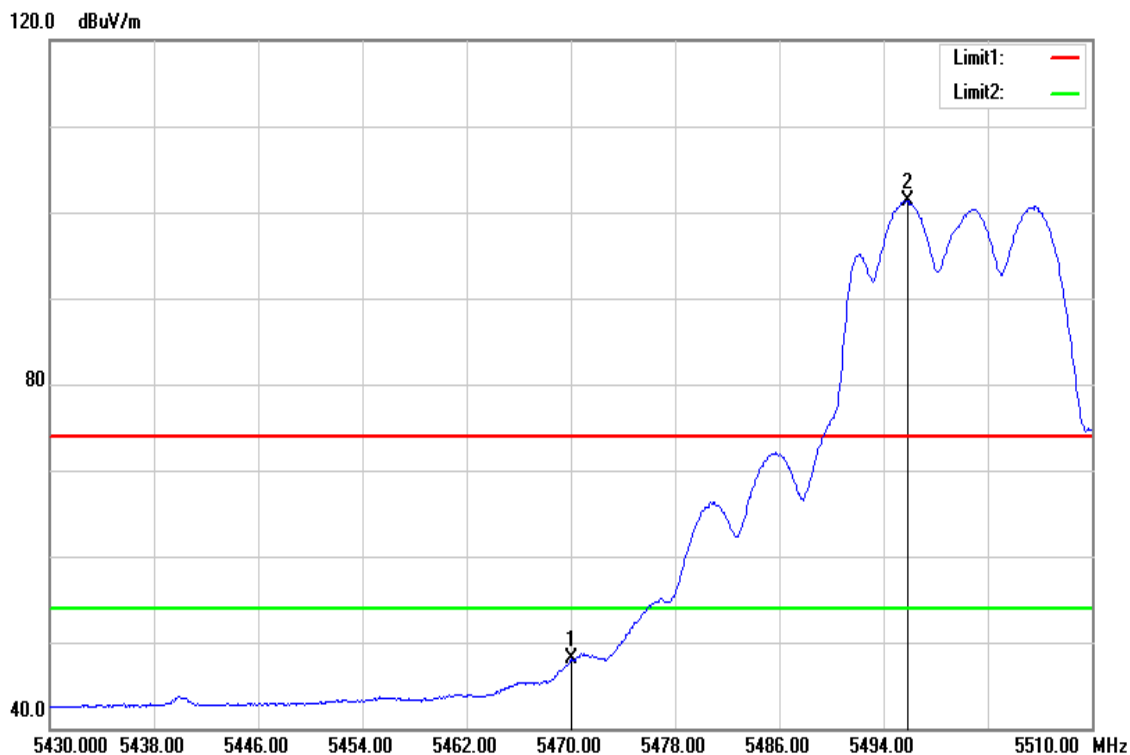
Test Mode	IEEE 802.11a / 5500MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5469.840	63.85	5.85	69.70	74.00	-4.30	peak
5495.120	105.73	5.93	111.66	-	-	peak

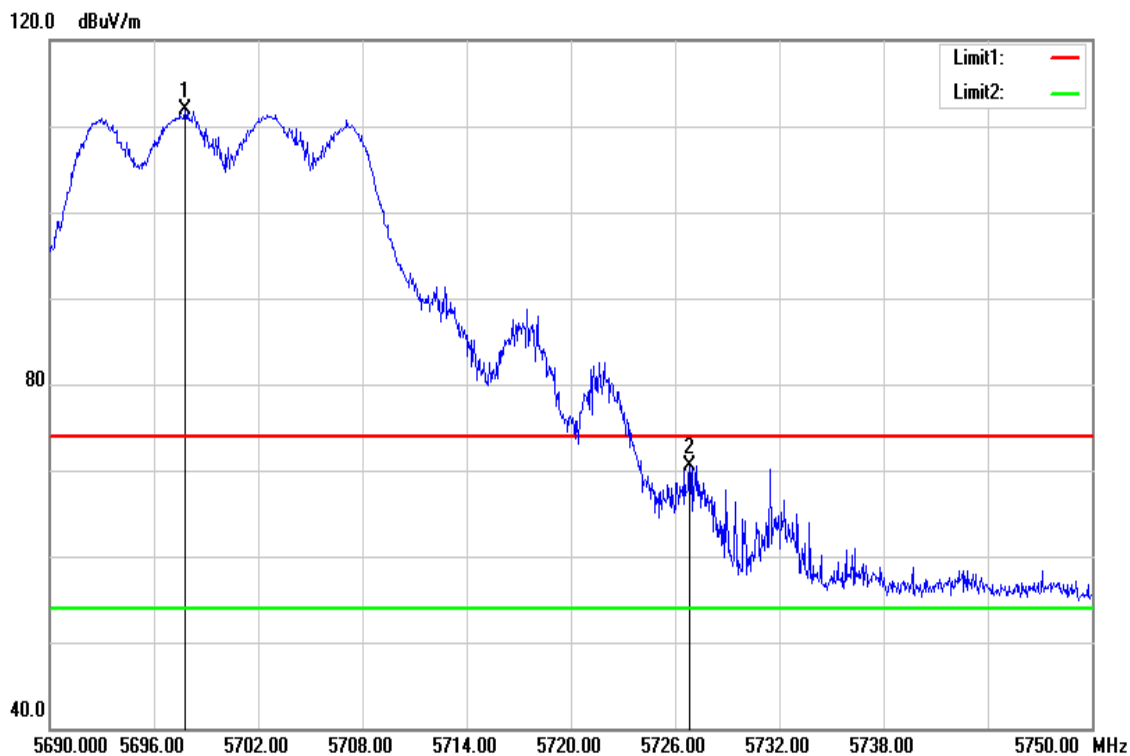


Test Mode	IEEE 802.11a / 5500MHz	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



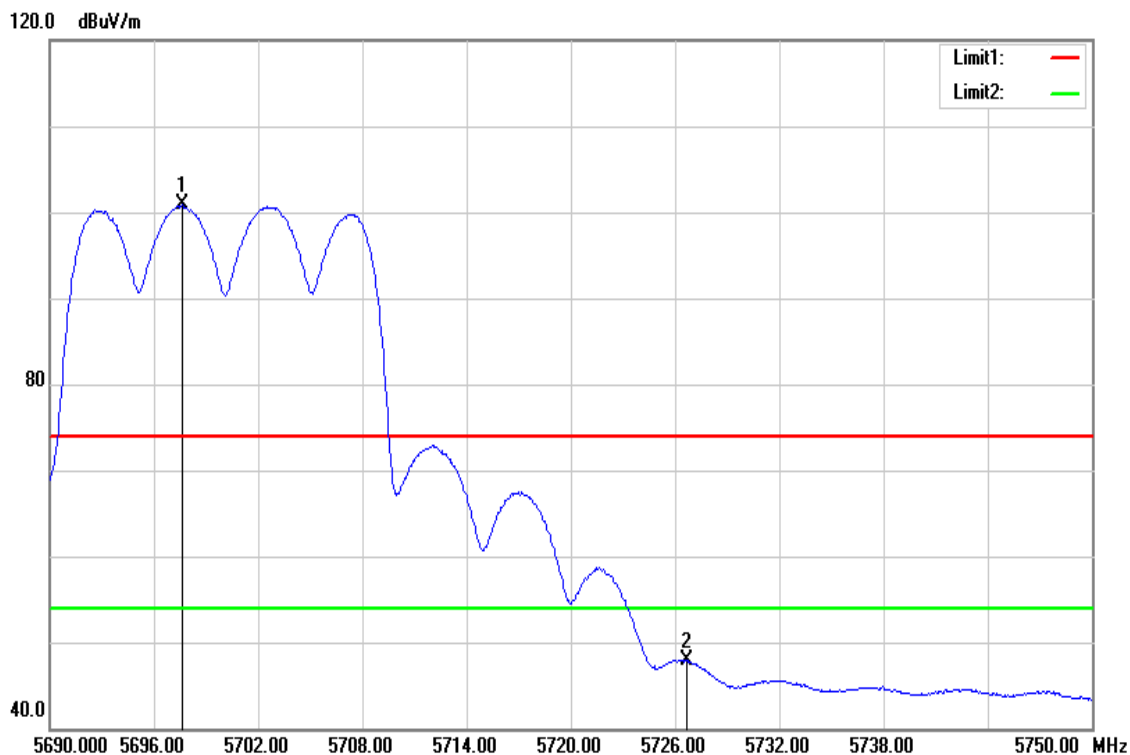
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5470.000	42.17	5.85	48.02	54.00	-5.98	AVG
5495.840	95.39	5.93	101.32	-	-	AVG

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



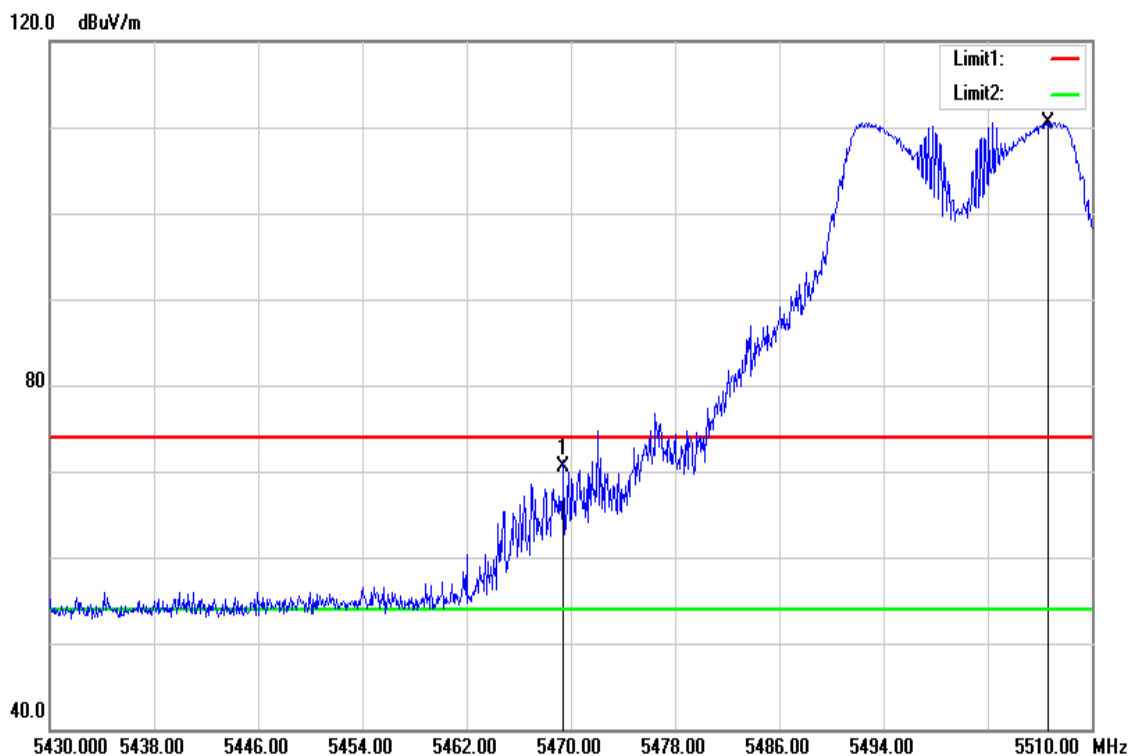
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5697.800	105.41	6.46	111.87	-	-	peak
5726.840	64.02	6.52	70.54	74.00	-3.46	peak

Test Mode	IEEE 802.11a / 5700 MHz	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



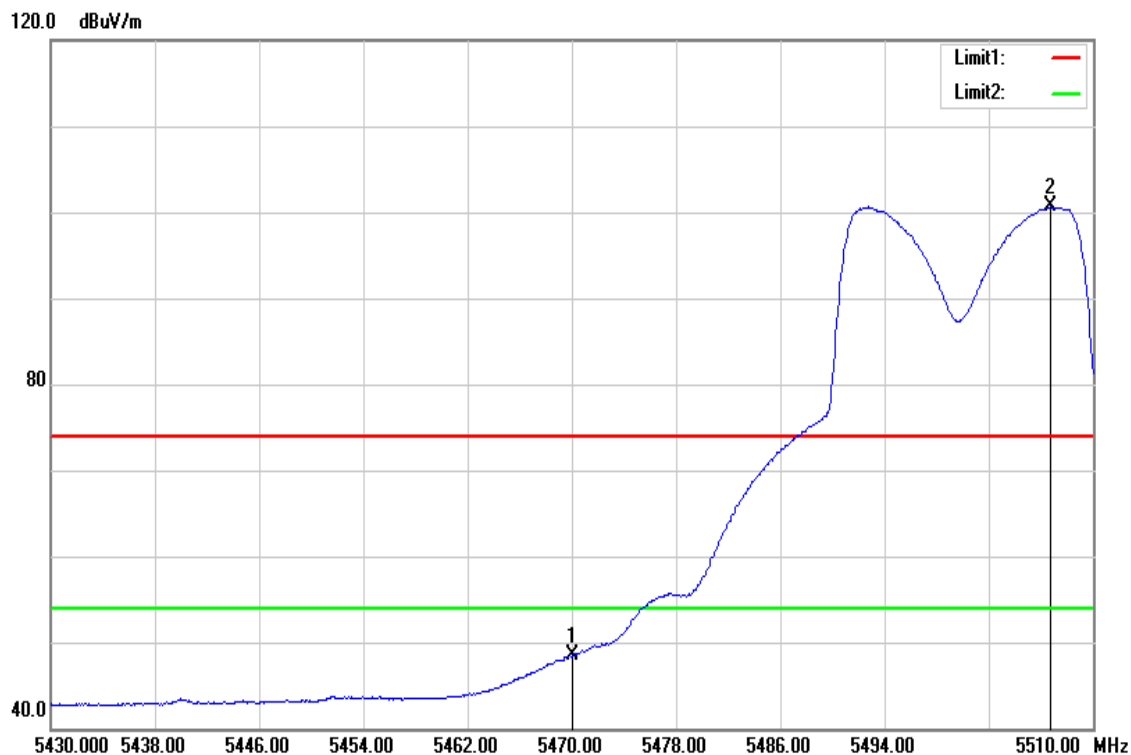
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5697.620	94.43	6.46	100.89	-	-	AVG
5726.660	41.43	6.52	47.95	54.00	-6.05	AVG

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



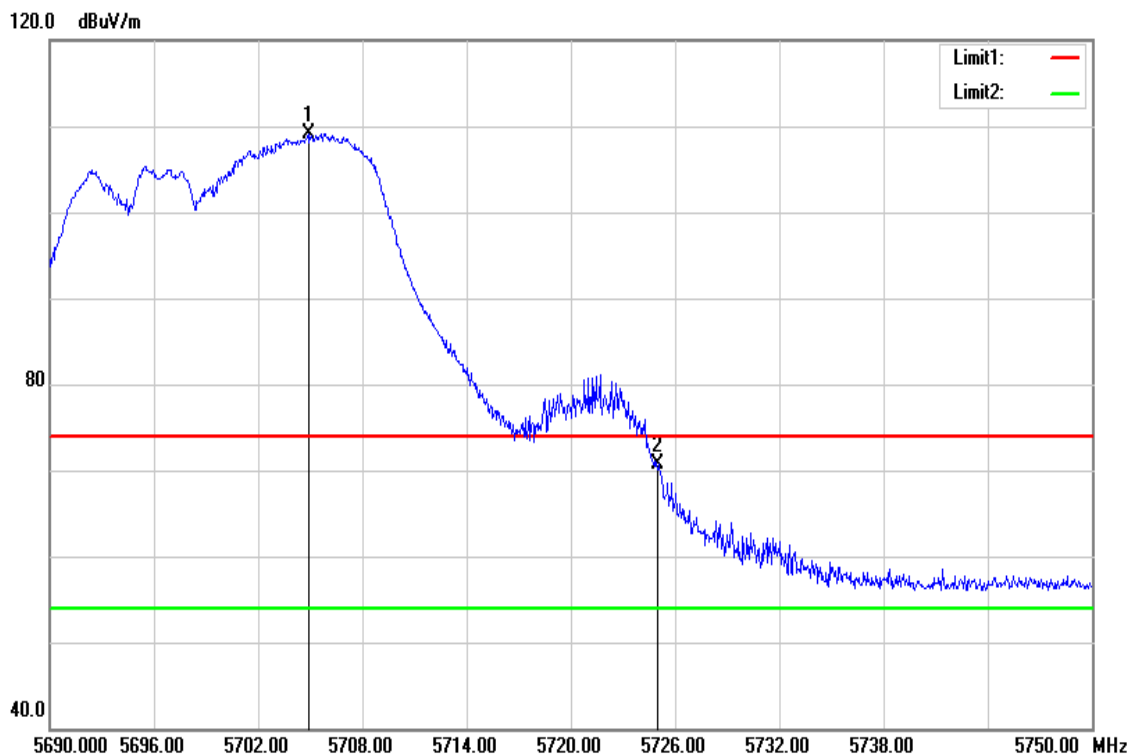
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5469.440	64.71	5.85	70.56	74.00	-3.44	peak
5506.640	104.65	5.95	110.60	-	-	peak

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



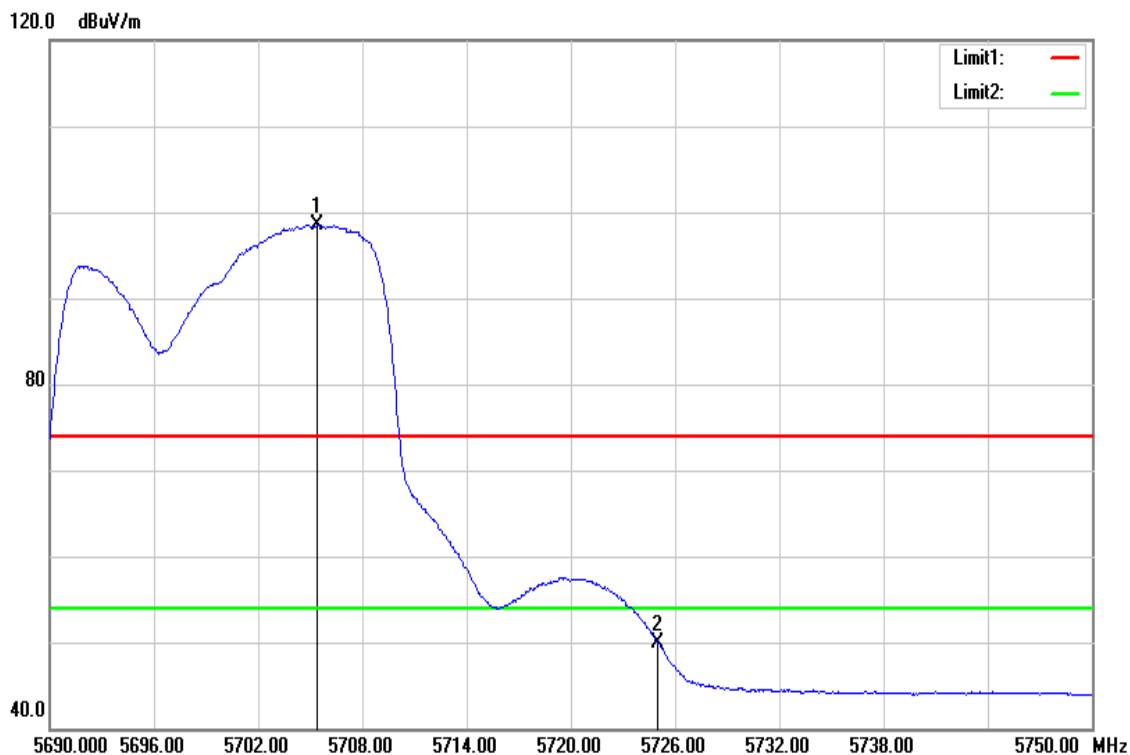
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5470.000	42.57	5.85	48.42	54.00	-5.58	AVG
5506.720	94.69	5.95	100.64	-	-	AVG

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



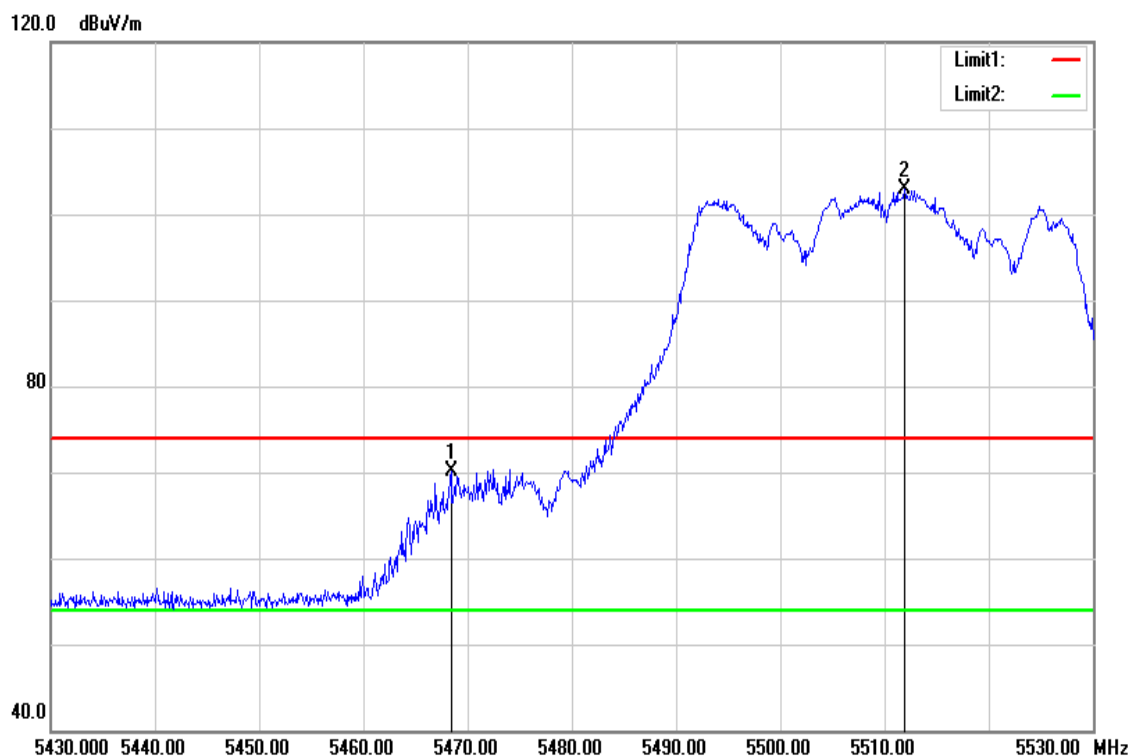
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5704.880	102.63	6.47	109.10	-	-	peak
5725.000	64.18	6.52	70.70	74.00	-3.30	peak

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5705.420	92.13	6.47	98.60	-	-	AVG
5725.000	43.43	6.52	49.95	54.00	-4.05	AVG

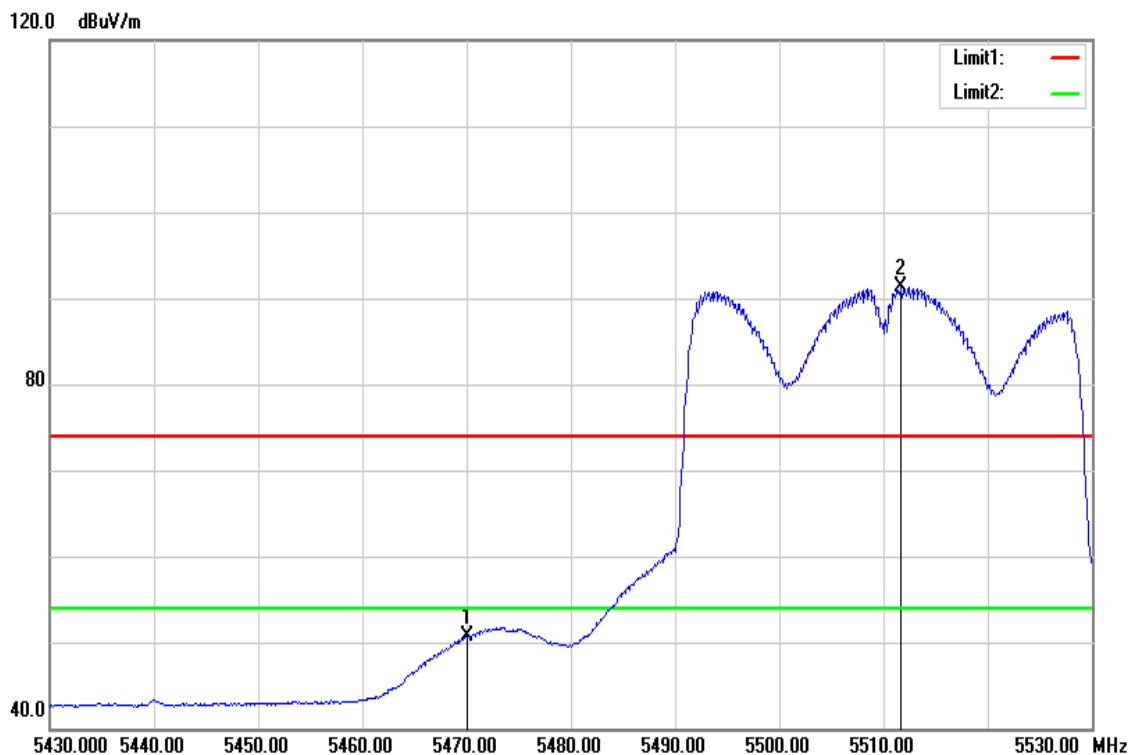
Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5468.400	64.35	5.85	70.20	74.00	-3.80	peak
5511.900	96.91	5.95	102.86	-	-	peak

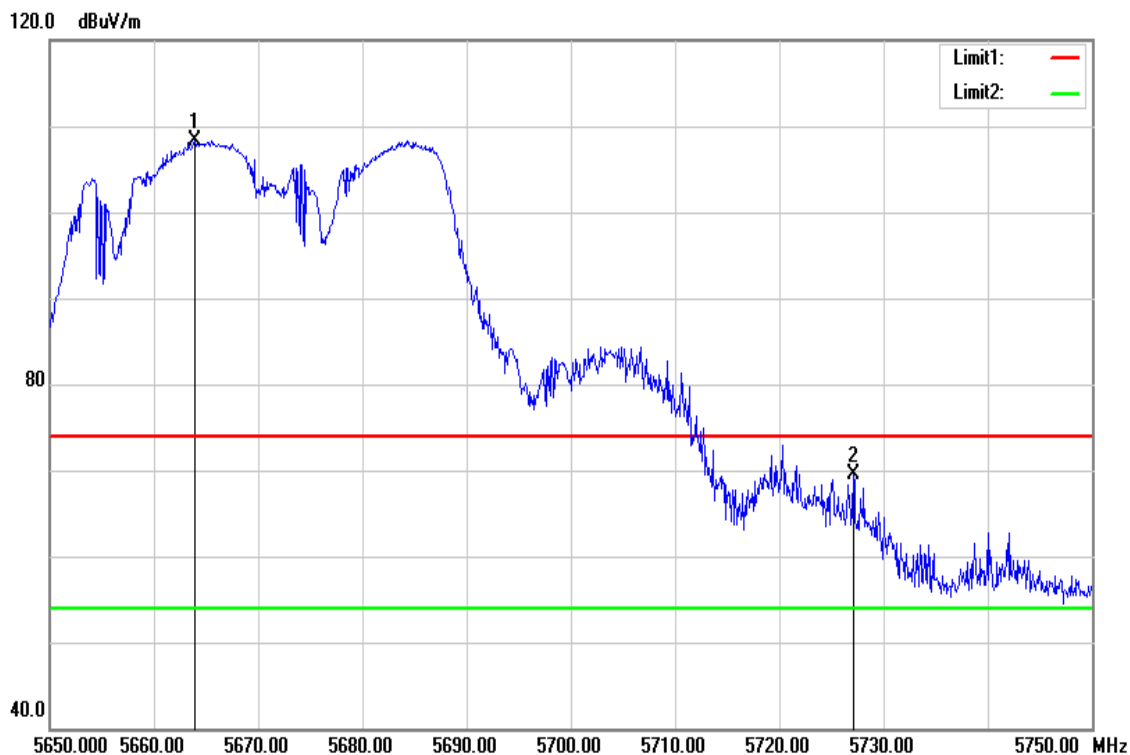


Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



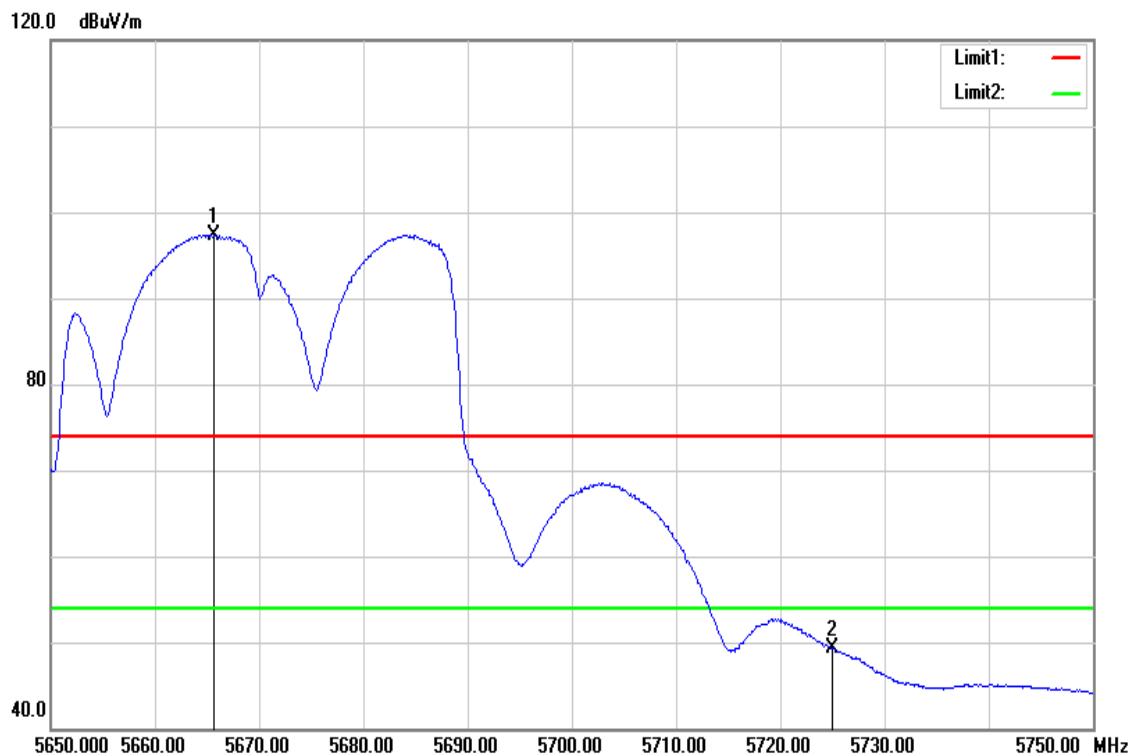
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5470.000	44.86	5.85	50.71	54.00	-3.29	AVG
5511.700	85.36	5.95	91.31	-	-	AVG

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5663.900	101.97	6.36	108.33	-	-	peak
5727.100	62.97	6.52	69.49	74.00	-4.51	peak

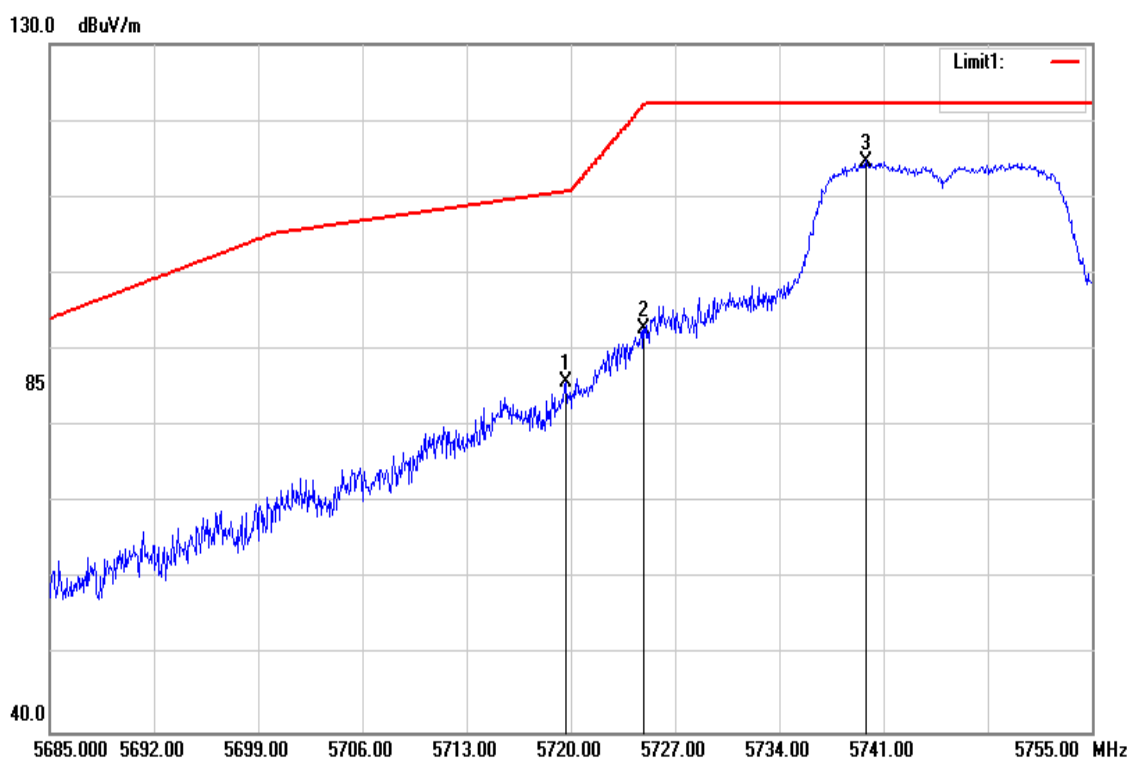
Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temperature	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5665.700	91.01	6.36	97.37	-	-	AVG
5725.000	42.76	6.52	49.28	54.00	-4.72	AVG

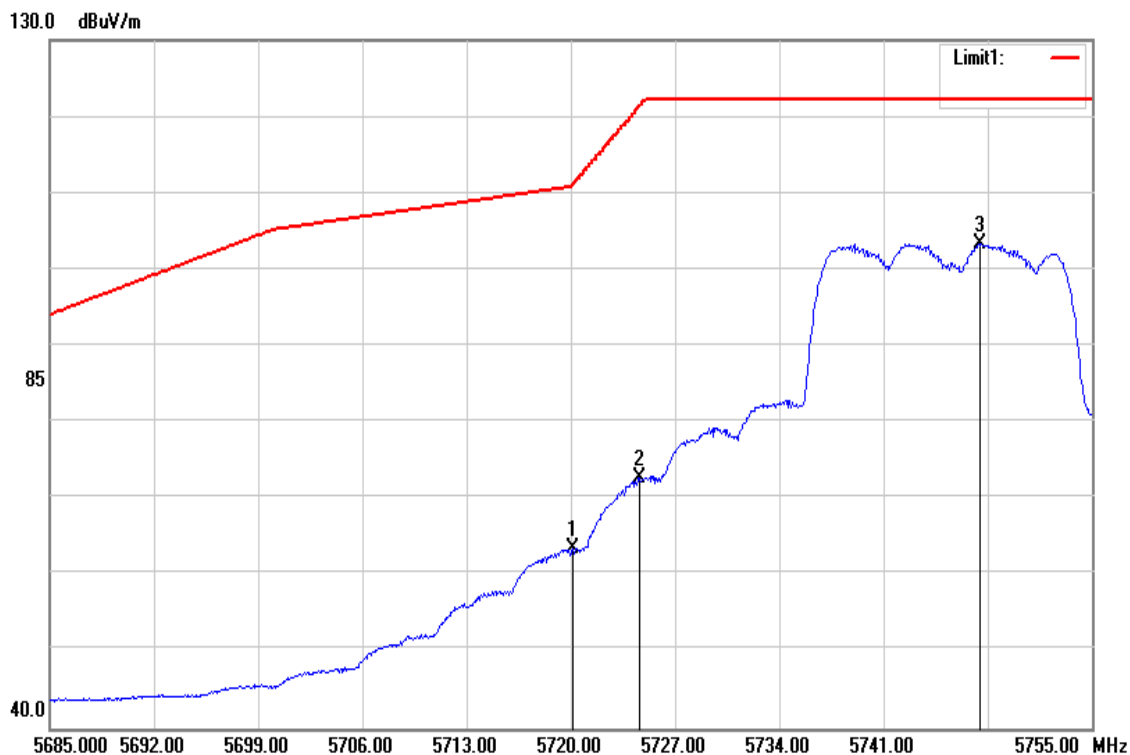
**Band Edge Test Data for UNII-3**

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



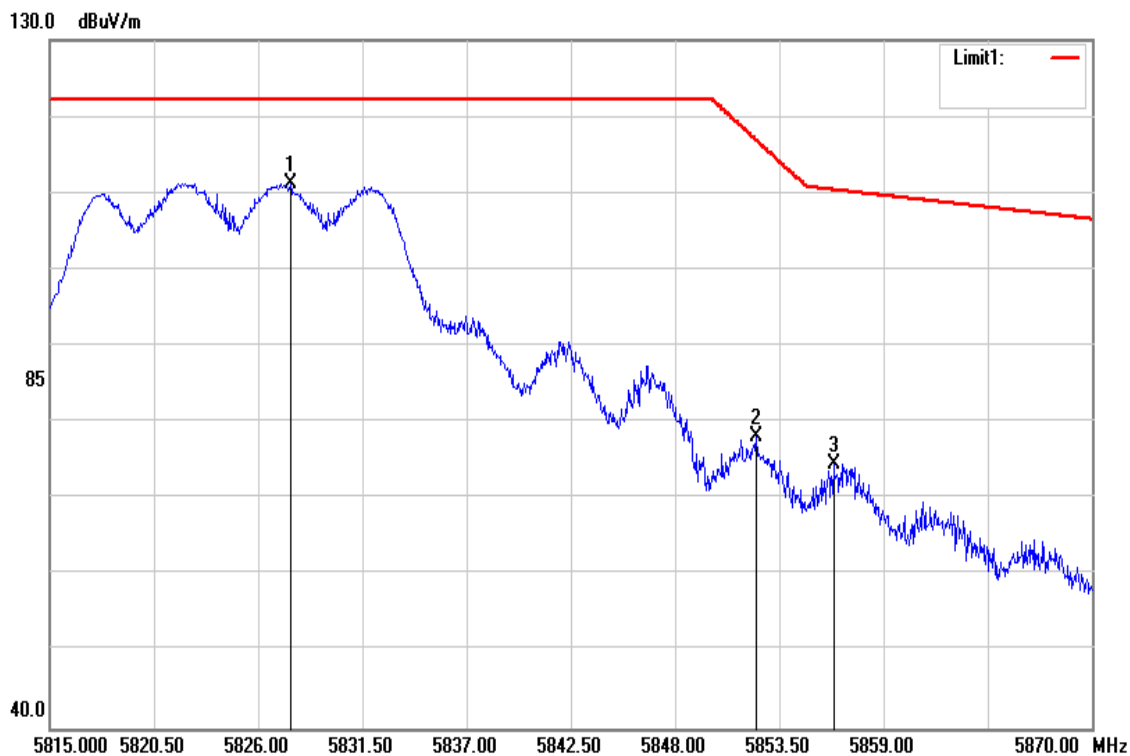
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5719.650	79.24	6.50	85.74	110.70	-24.96	peak
5724.900	86.31	6.52	92.83	121.97	-29.14	peak
5739.810	108.14	6.56	114.70	-	-	peak

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



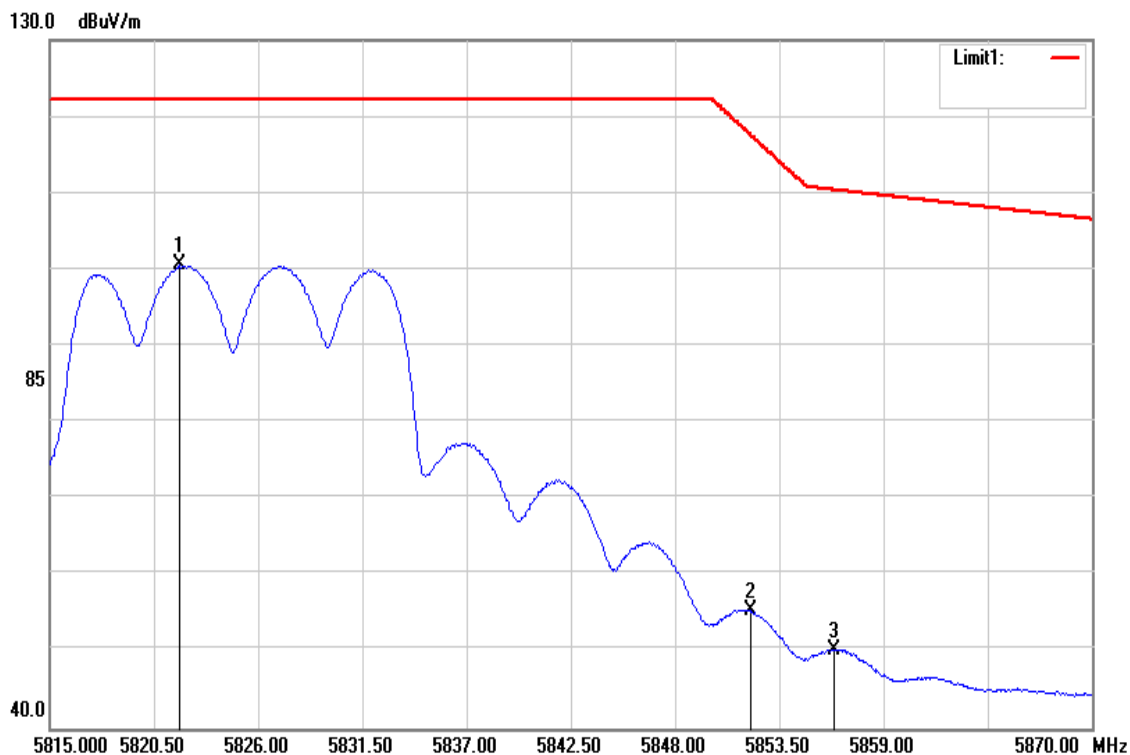
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5720.140	57.12	6.50	63.62	111.12	-47.50	AVG
5724.620	66.18	6.52	72.70	121.33	-48.63	AVG
5747.440	96.73	6.58	103.31	-	-	AVG

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



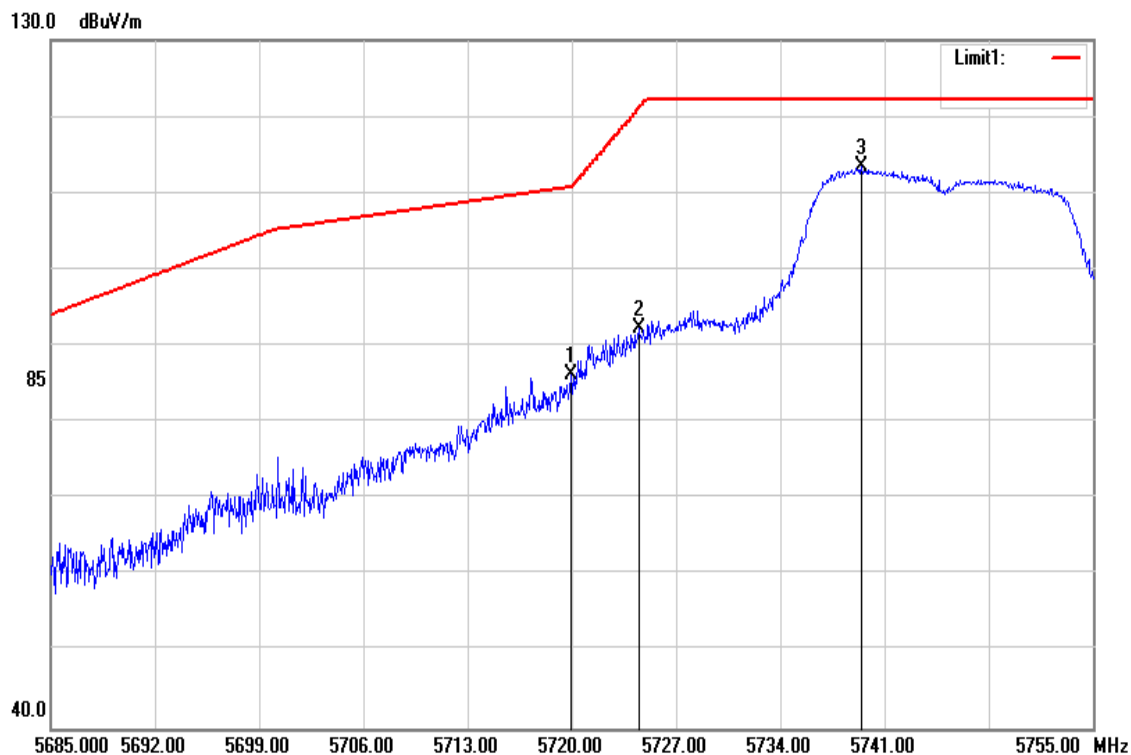
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5827.705	104.52	6.79	111.31	-	-	peak
5852.290	71.34	6.85	78.19	116.98	-38.79	peak
5856.360	67.77	6.86	74.63	110.42	-35.79	peak

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5821.820	93.78	6.77	100.55	-	-	AVG
5851.960	48.67	6.85	55.52	117.73	-62.21	AVG
5856.415	43.39	6.86	50.25	110.40	-60.15	AVG

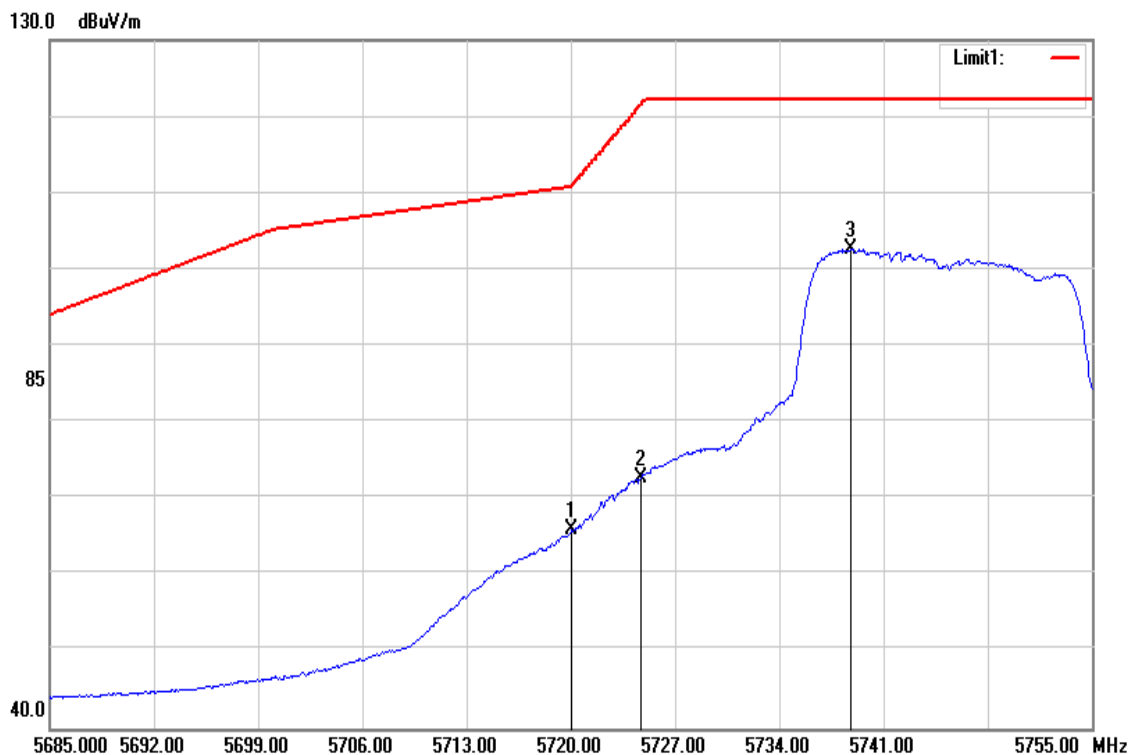
Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5719.930	79.66	6.50	86.16	110.78	-24.62	peak
5724.480	85.90	6.52	92.42	121.01	-28.59	peak
5739.460	107.01	6.56	113.57	-	-	peak

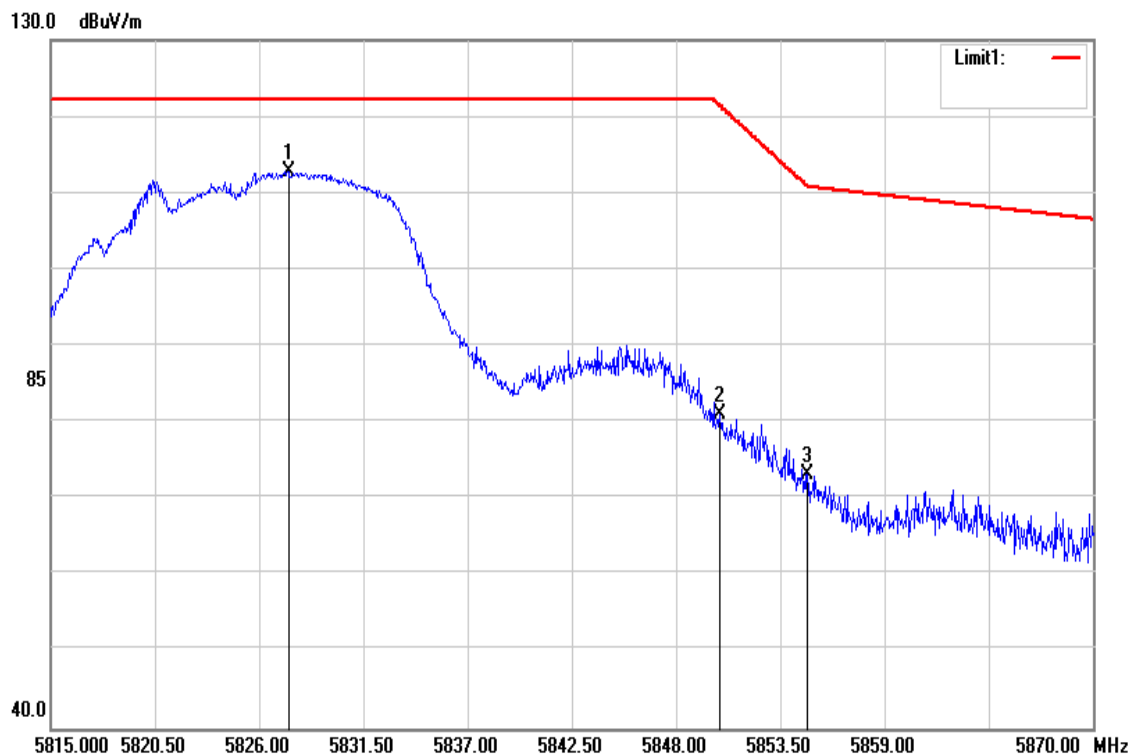


Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



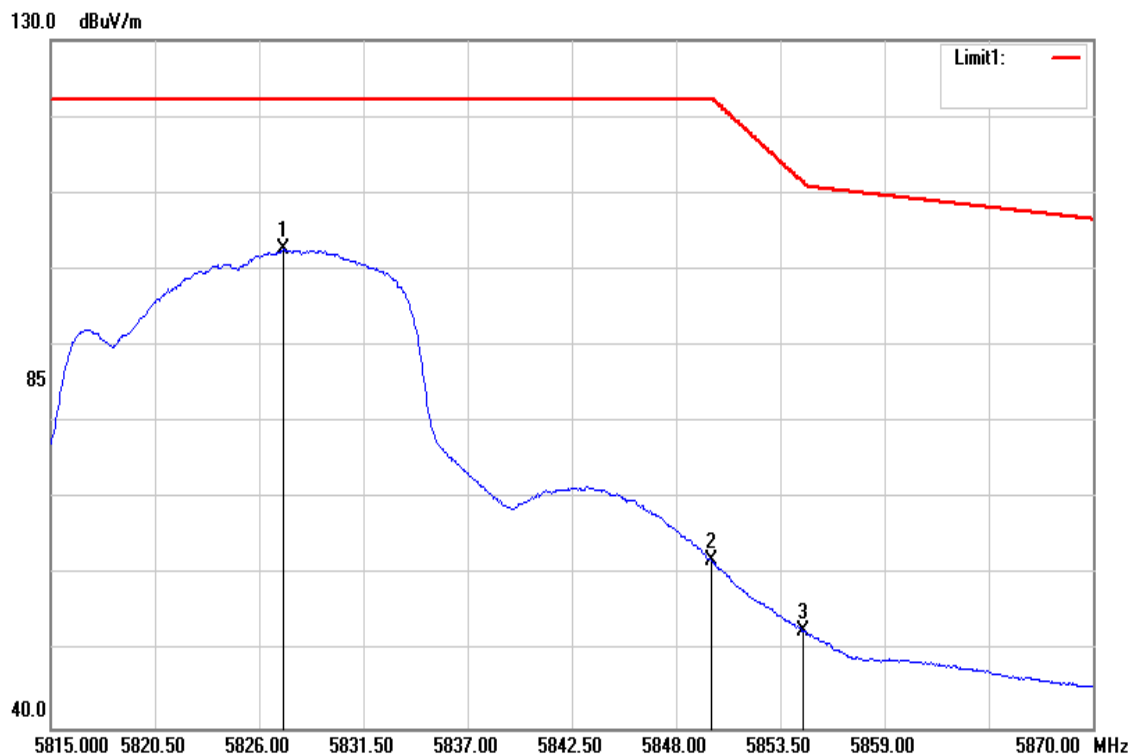
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5720.070	59.39	6.50	65.89	110.96	-45.07	AVG
5724.690	66.19	6.52	72.71	121.49	-48.78	AVG
5738.830	96.15	6.56	102.71	-	-	AVG

Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



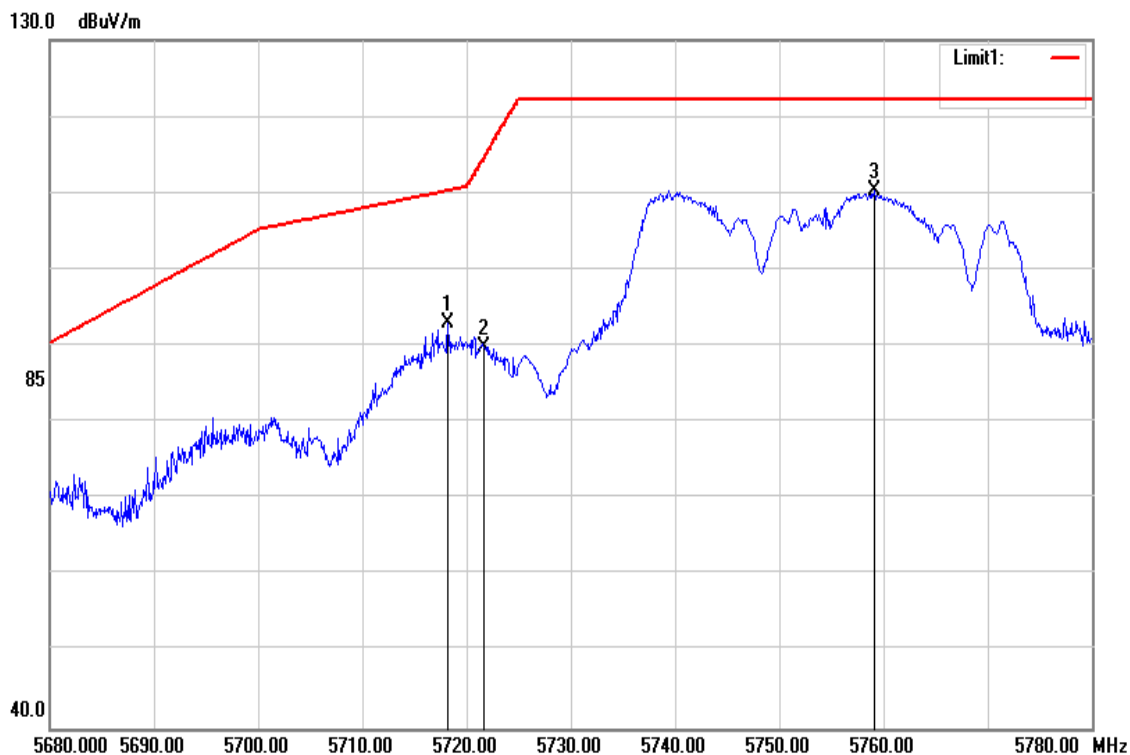
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5827.540	105.97	6.79	112.76	-	-	peak
5850.310	74.20	6.85	81.05	121.49	-40.44	peak
5854.930	66.42	6.86	73.28	110.96	-37.68	peak

Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



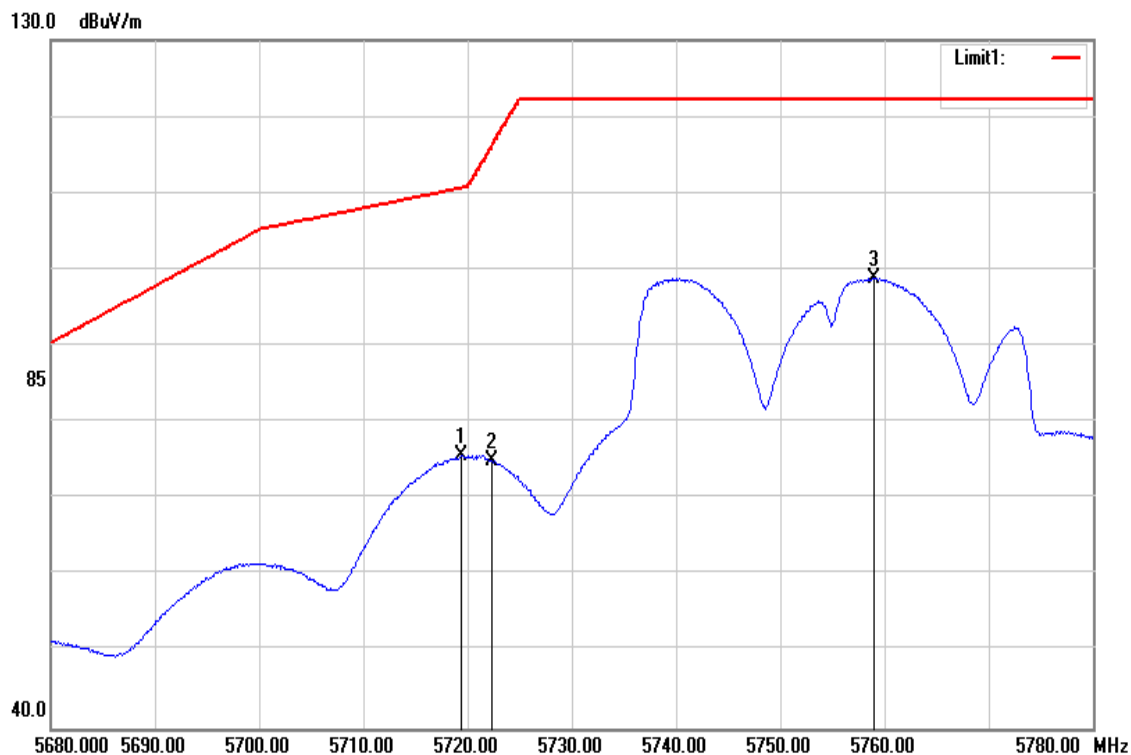
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5827.265	95.89	6.78	102.67	-	-	AVG
5849.870	55.08	6.85	61.93	122.20	-60.27	AVG
5854.710	45.92	6.86	52.78	111.46	-58.68	AVG

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



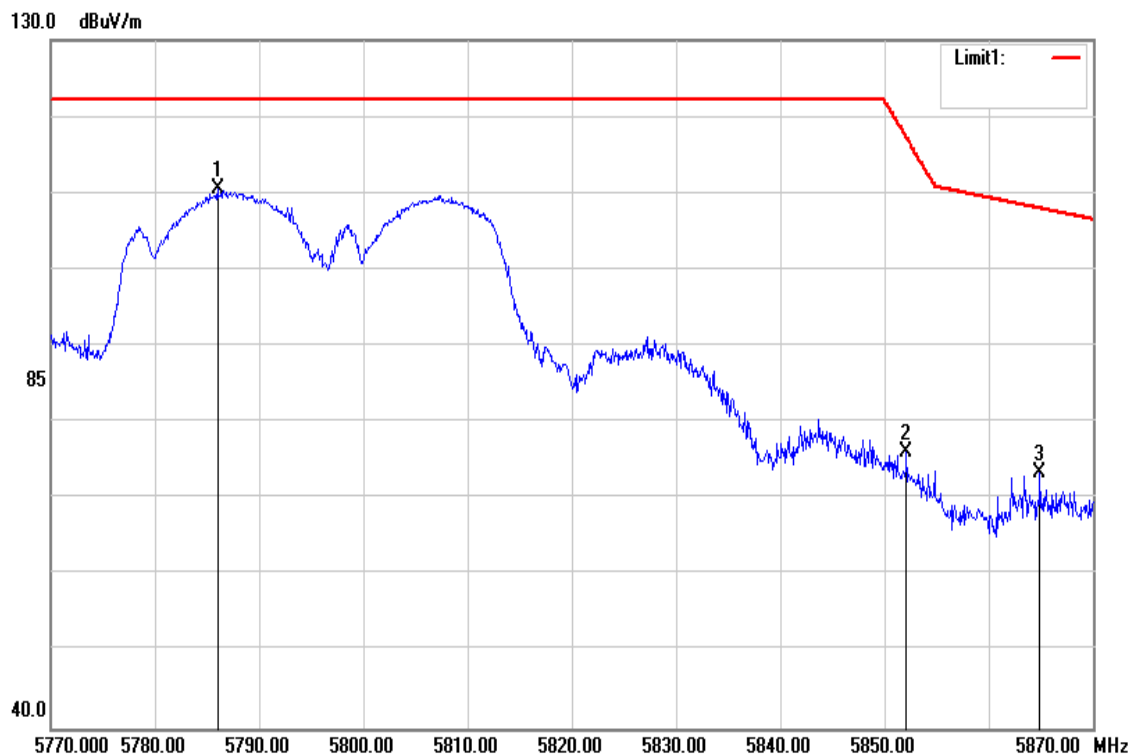
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5718.200	86.56	6.50	93.06	110.30	-17.24	peak
5721.700	83.38	6.51	89.89	114.68	-24.79	peak
5759.100	103.67	6.61	110.28	-	-	peak

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



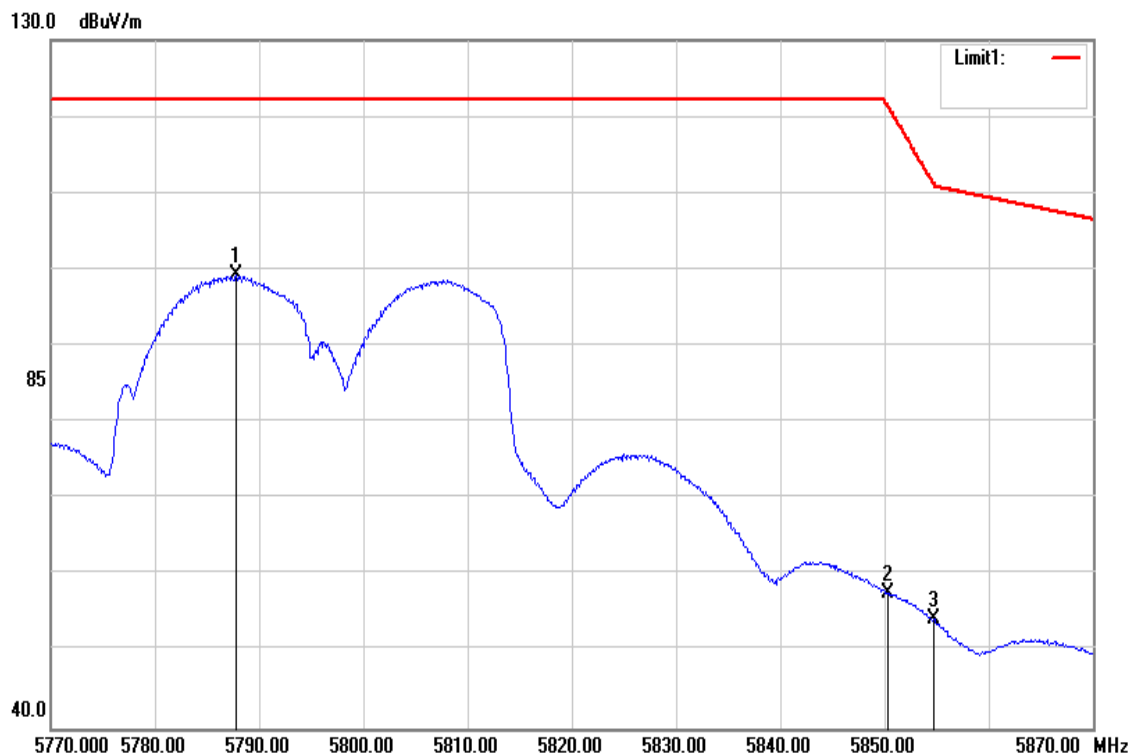
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5719.400	69.18	6.50	75.68	110.63	-34.95	AVG
5722.300	68.52	6.51	75.03	116.04	-41.01	AVG
5759.000	92.31	6.61	98.92	-	-	AVG

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5786.000	103.97	6.67	110.64	-	-	peak
5852.100	69.35	6.85	76.20	117.41	-41.21	peak
5864.900	66.61	6.89	73.50	108.03	-34.53	peak

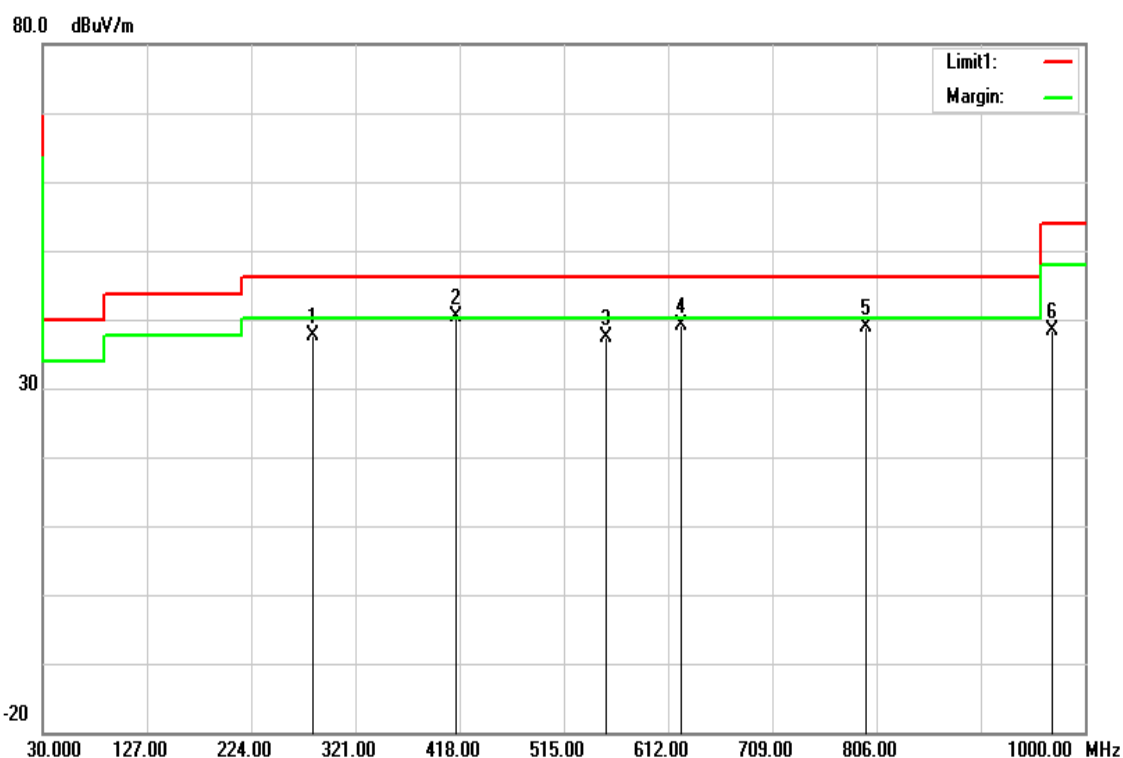
Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Band Edge	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Average	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
5787.800	92.53	6.69	99.22	-	-	AVG
5850.300	50.92	6.85	57.77	121.52	-63.75	AVG
5854.700	47.41	6.86	54.27	111.48	-57.21	AVG

**Below 1G Test Data**

Test Mode	IEEE 802.11n 40 MHz / 5610 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	30MHz-1GHz	Test Date	January 24, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Quasi-peak	Test Voltage	120Vac/60Hz

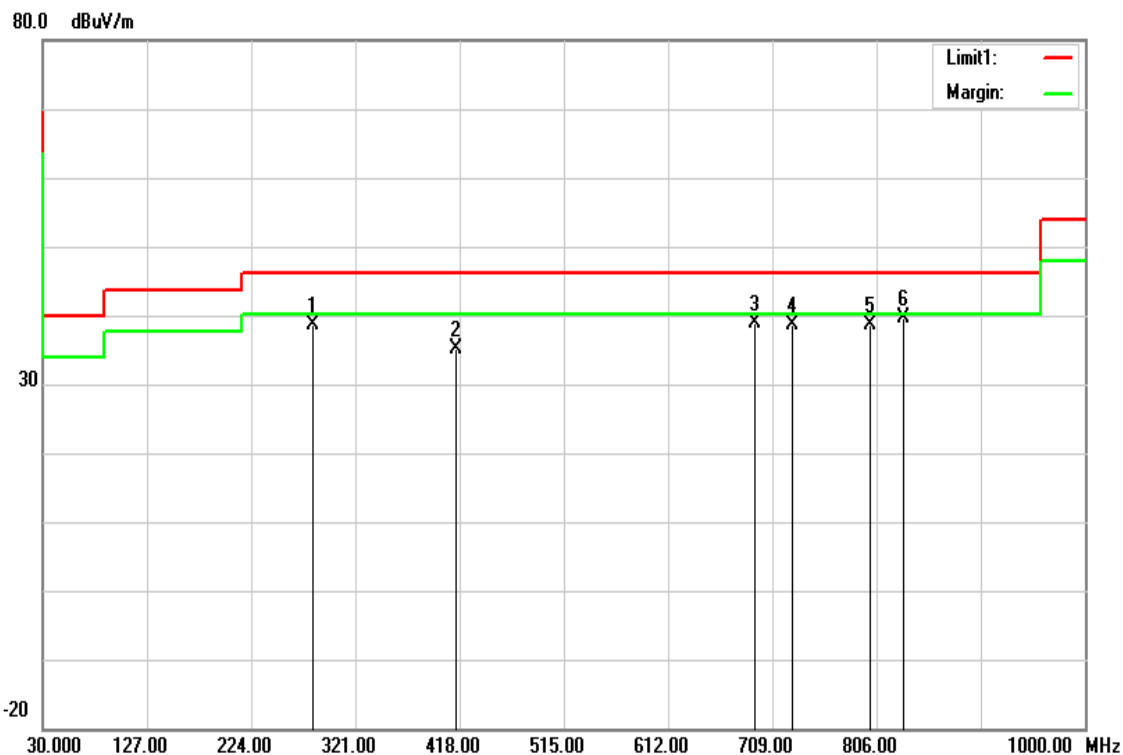


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
281.2300	51.86	-14.25	37.61	46.02	-8.41	peak
415.0900	51.15	-10.85	40.30	46.02	-5.72	peak
553.8000	44.79	-7.51	37.28	46.02	-8.74	peak
623.6400	45.48	-6.27	39.21	46.02	-6.81	peak
796.3000	42.34	-3.44	38.90	46.02	-7.12	peak
968.9600	39.46	-0.99	38.47	54.00	-15.53	peak

**Note:** No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)



Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	30MHz-1GHz	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Quasi-peak	Test Voltage	120Vac/60Hz

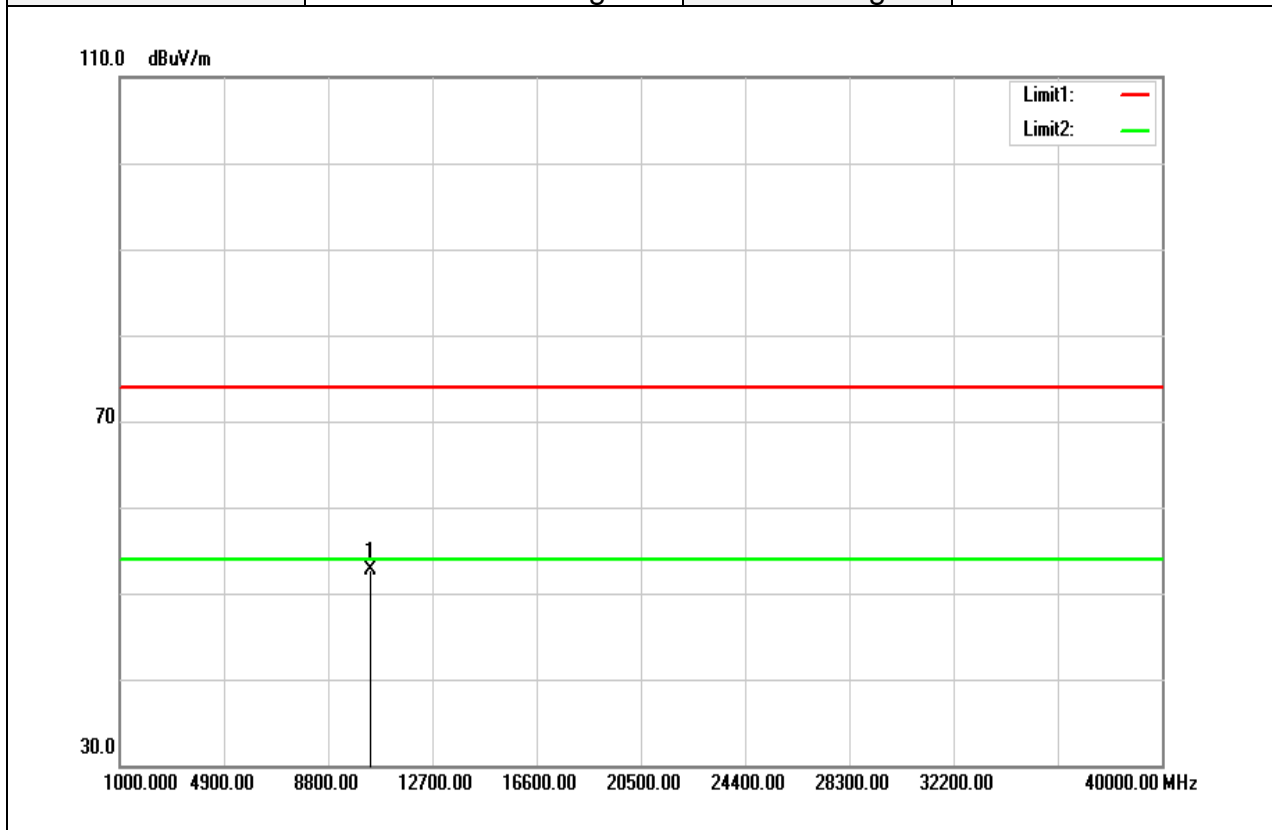


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
281.2300	52.86	-14.25	38.61	46.02	-7.41	QP
415.0900	45.96	-10.85	35.11	46.02	-10.91	peak
692.5100	43.90	-4.98	38.92	46.02	-7.10	peak
727.4300	43.26	-4.56	38.70	46.02	-7.32	peak
800.1800	41.98	-3.38	38.60	46.02	-7.42	peak
831.2200	42.62	-3.06	39.56	46.02	-6.46	QP

**Note:** No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

**Above 1G Test Data for UNII-1**

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

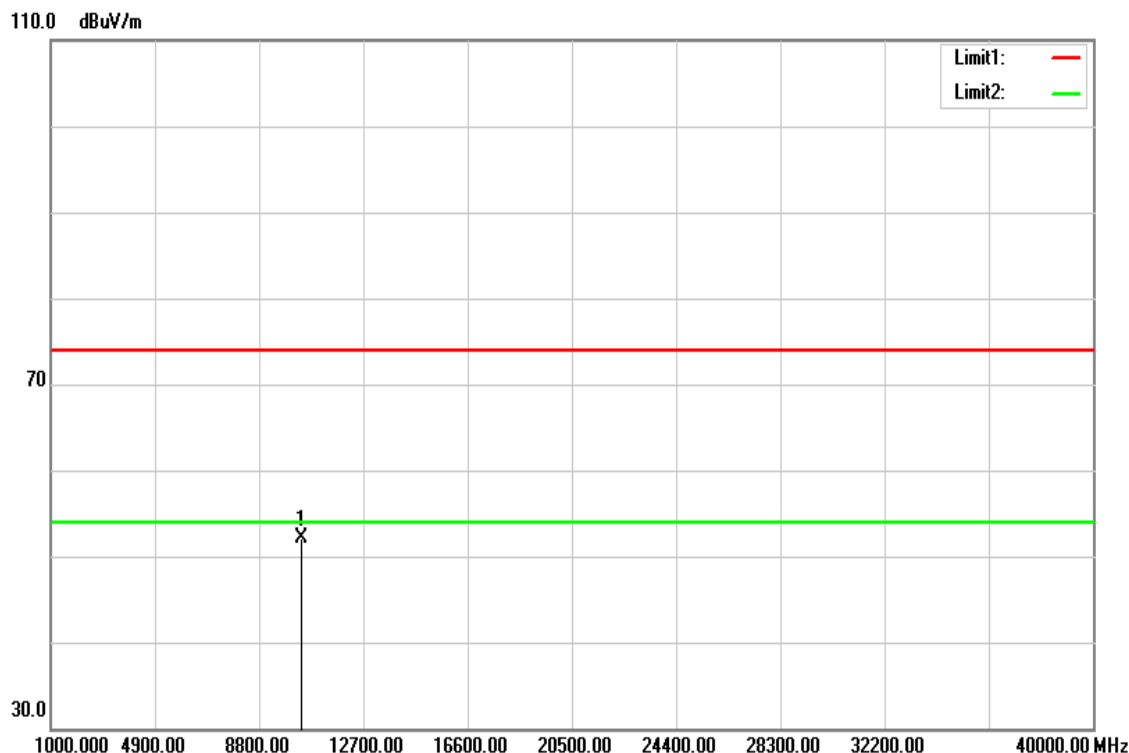


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10360.000	38.21	14.45	52.66	74.00	-21.34	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5180MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

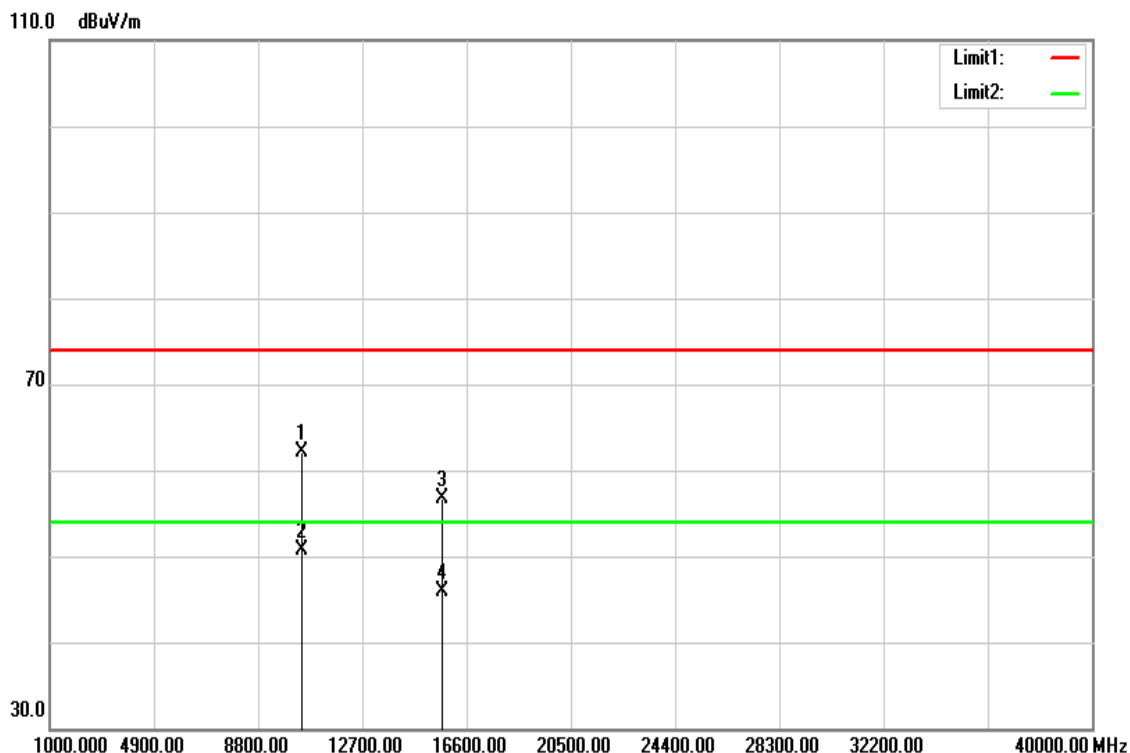


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10360.000	37.61	14.45	52.06	74.00	-21.94	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5220 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Horizontal	Test Date	January 24, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

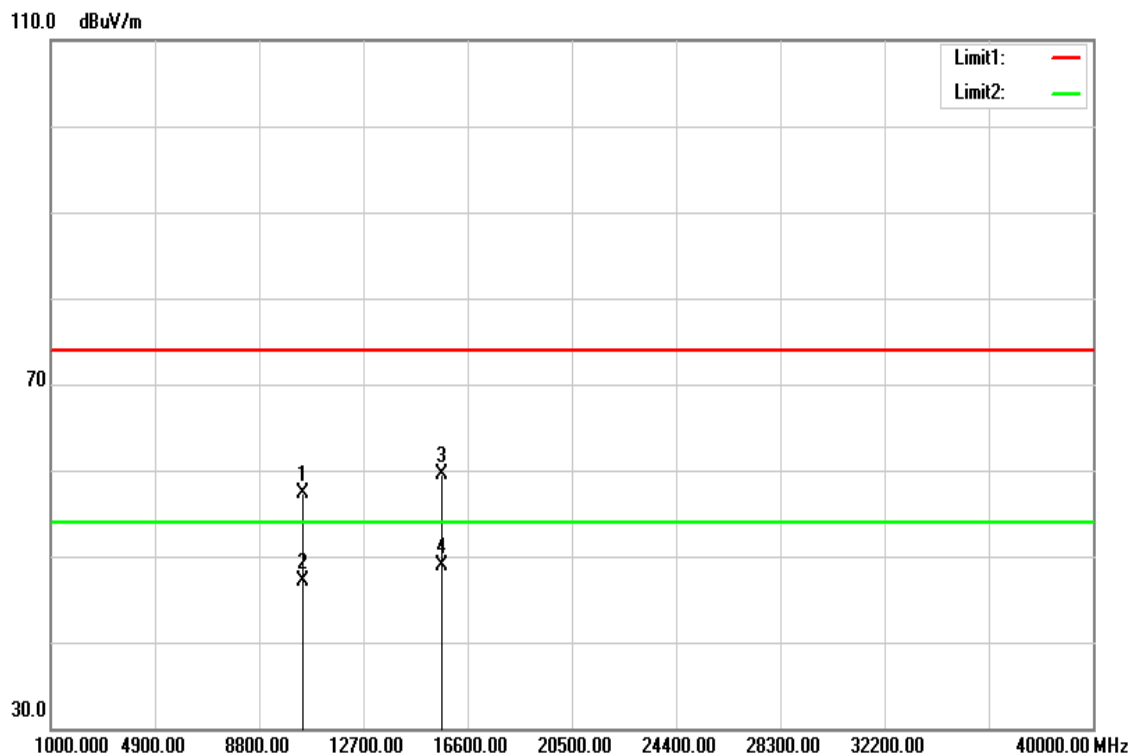


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10440.000	47.31	14.71	62.02	74.00	-11.98	peak
10440.000	35.90	14.71	50.61	54.00	-3.39	AVG
15670.000	37.61	19.06	56.67	74.00	-17.33	peak
15670.000	26.83	19.06	45.89	54.00	-8.11	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5220 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

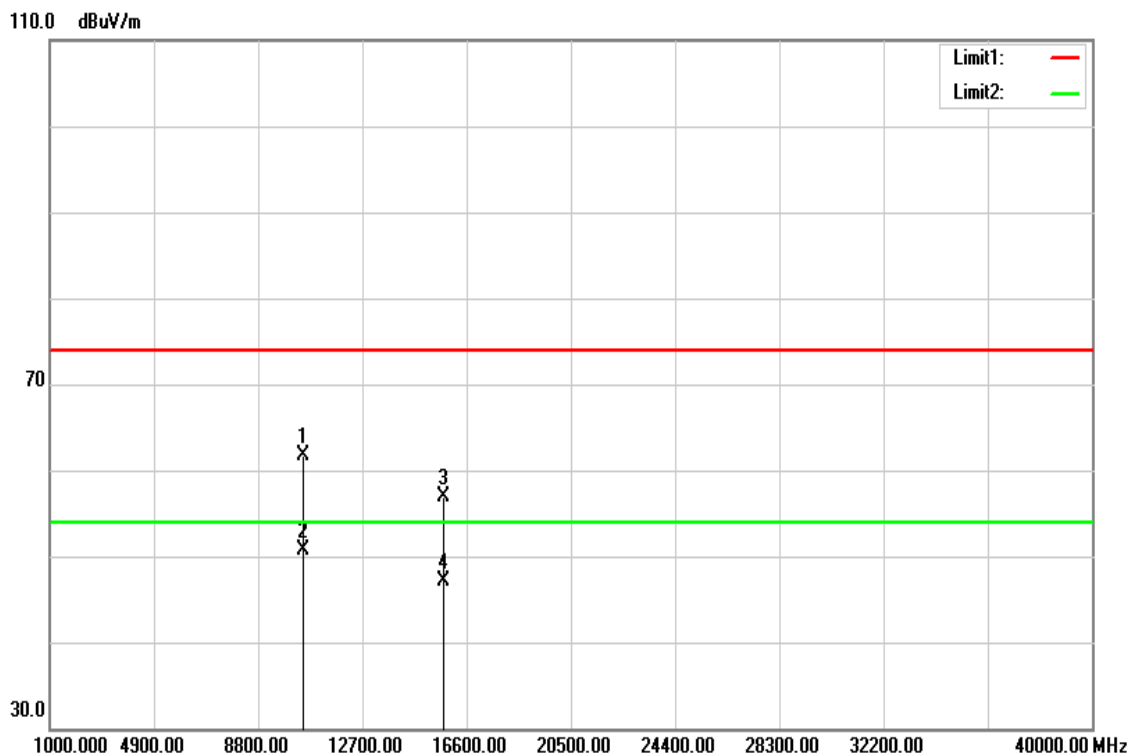


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10440.000	42.59	14.71	57.30	74.00	-16.70	peak
10440.000	32.31	14.71	47.02	54.00	-6.98	AVG
15660.000	40.42	19.03	59.45	74.00	-14.55	peak
15660.000	29.84	19.03	48.87	54.00	-5.13	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

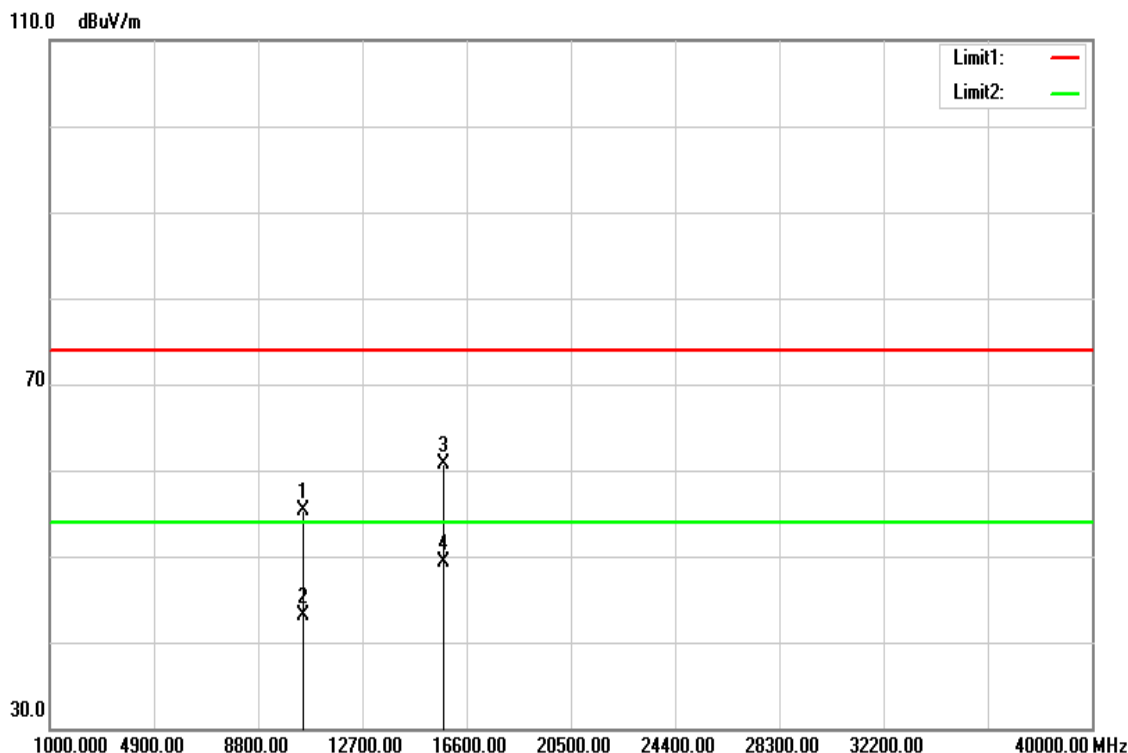


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10480.000	46.88	14.84	61.72	74.00	-12.28	peak
10480.000	35.80	14.84	50.64	54.00	-3.36	AVG
15720.000	37.76	19.20	56.96	74.00	-17.04	peak
15720.000	27.91	19.20	47.11	54.00	-6.89	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5240MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

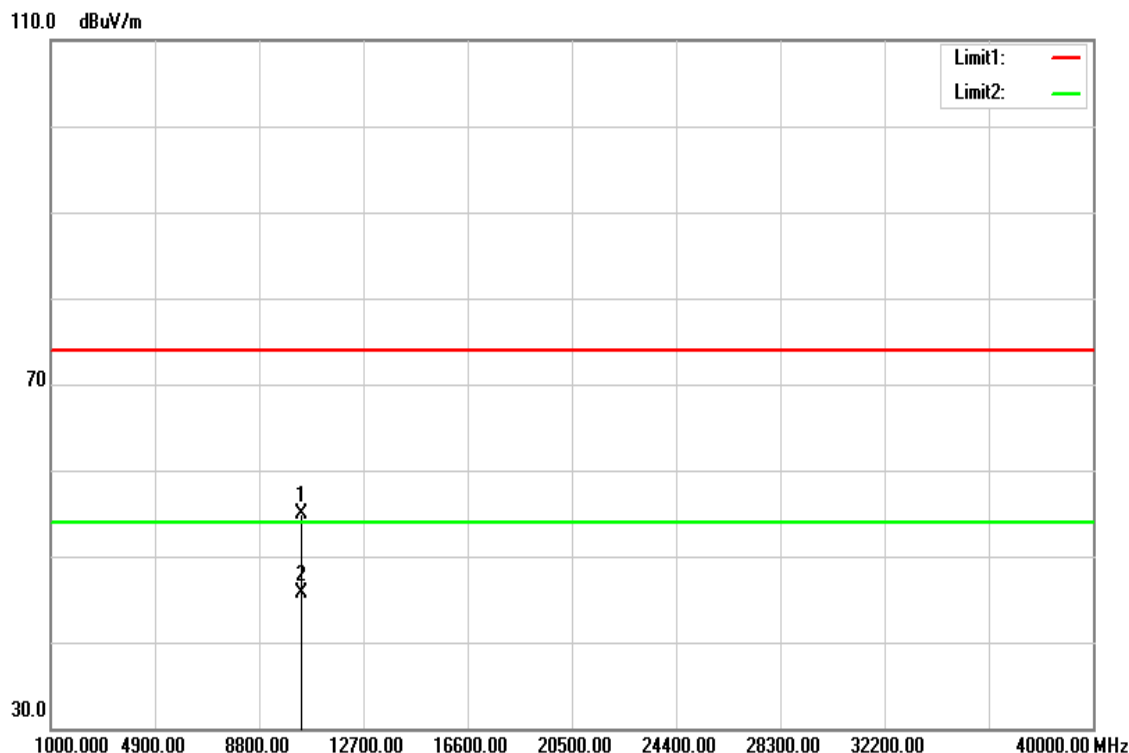


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10480.000	40.46	14.84	55.30	74.00	-18.70	peak
10480.000	28.34	14.84	43.18	54.00	-10.82	AVG
15720.000	41.43	19.20	60.63	74.00	-13.37	peak
15720.000	30.07	19.20	49.27	54.00	-4.73	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 20 MHz / 5180MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz



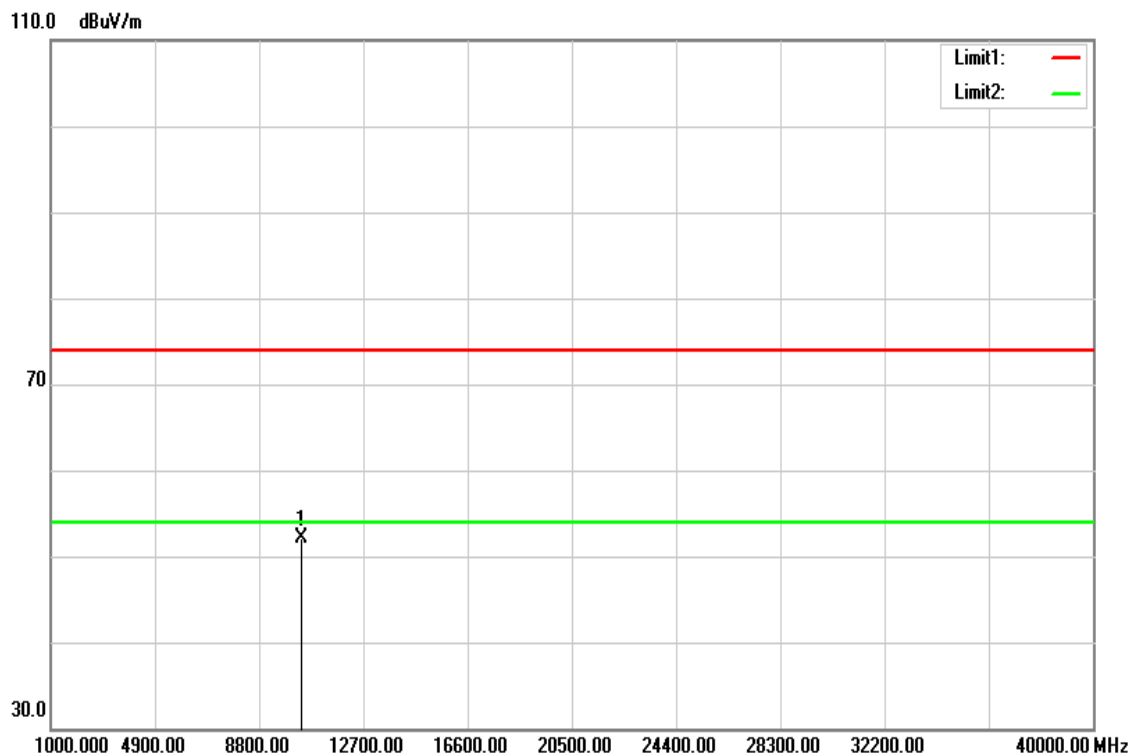
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10360.000	40.54	14.45	54.99	74.00	-19.01	peak
10360.000	31.22	14.45	45.67	54.00	-8.33	AVG
N/A						

**Remark:**

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



Test Mode	IEEE 802.11n 20 MHz/ 5180MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

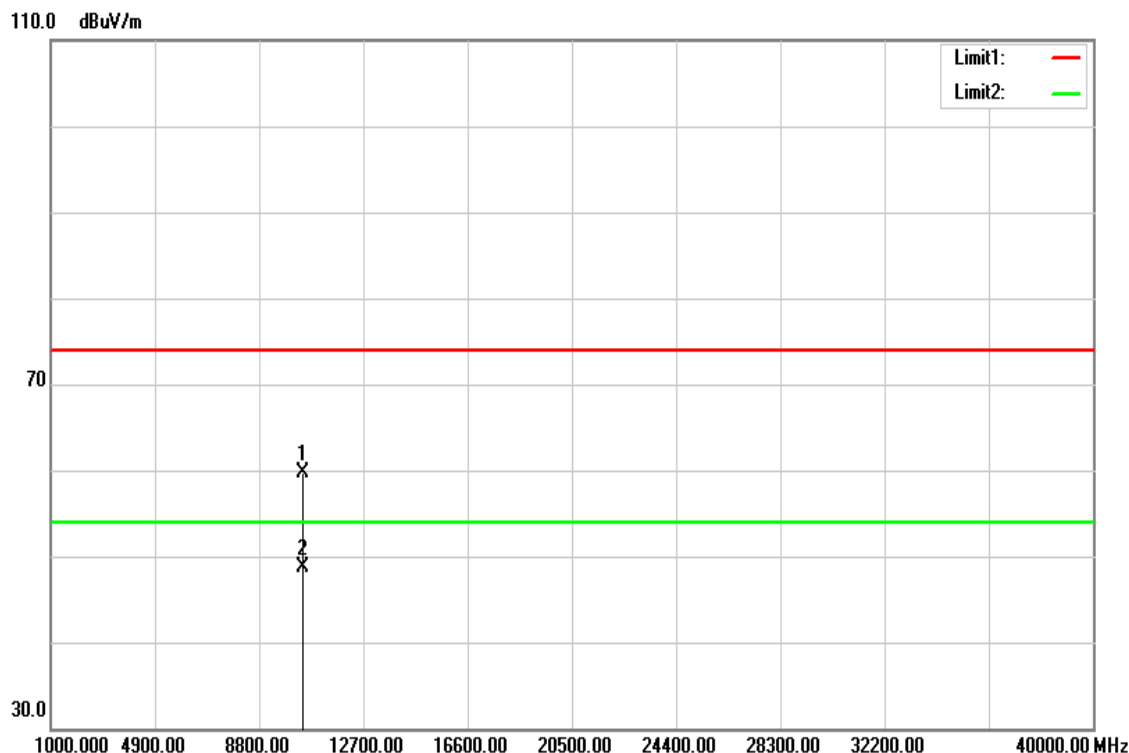


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10360.000	37.64	14.45	52.09	74.00	-21.91	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 20 MHz / 5220MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

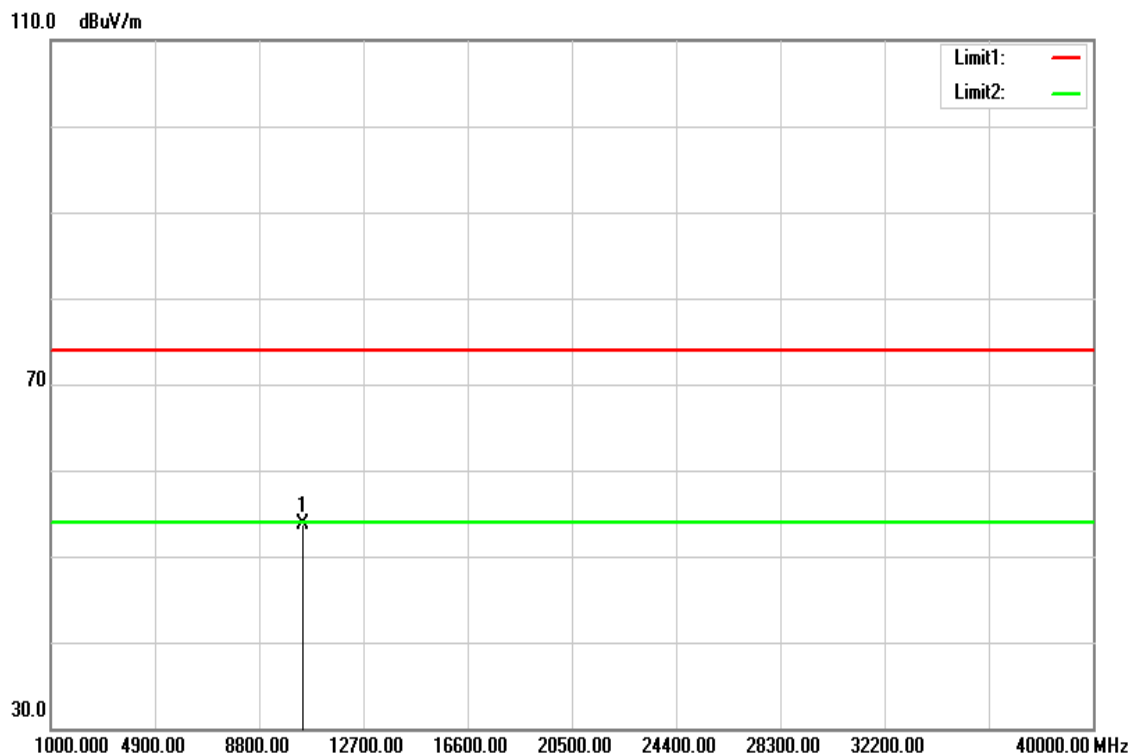


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10440.000	45.05	14.71	59.76	74.00	-14.24	peak
10440.000	34.02	14.71	48.73	54.00	-5.27	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 20 MHz / 5220MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

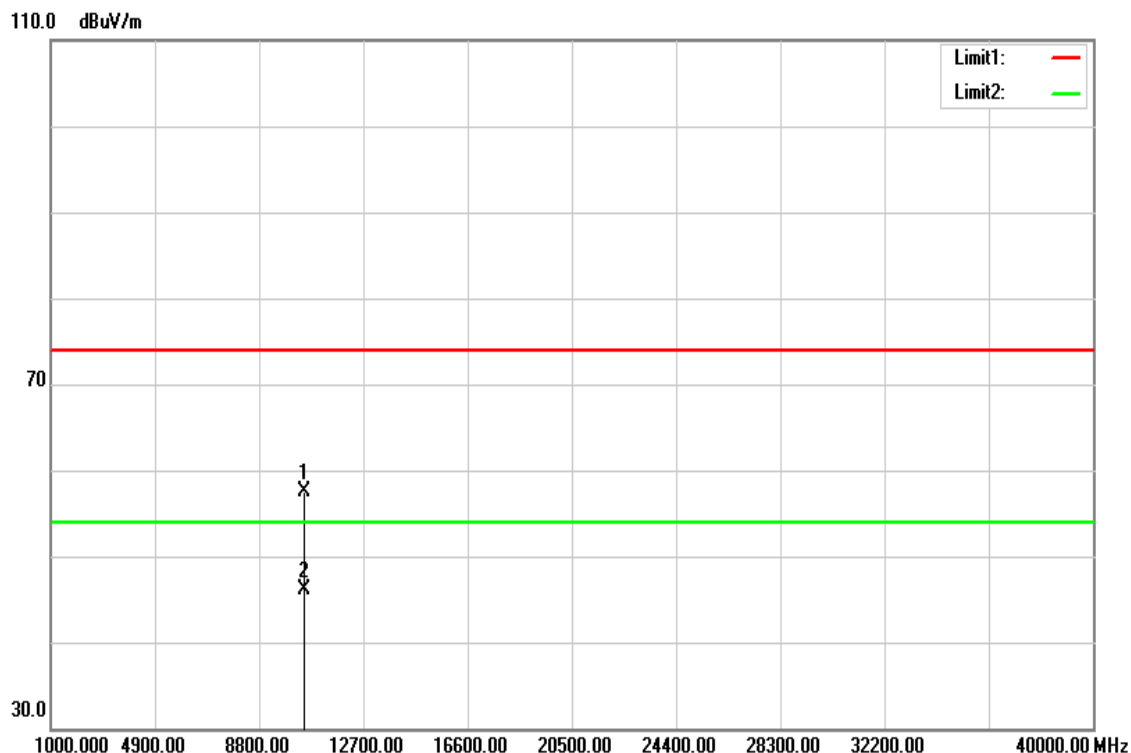


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10440.000	38.92	14.71	53.63	74.00	-20.37	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 20 MHz / 5240MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

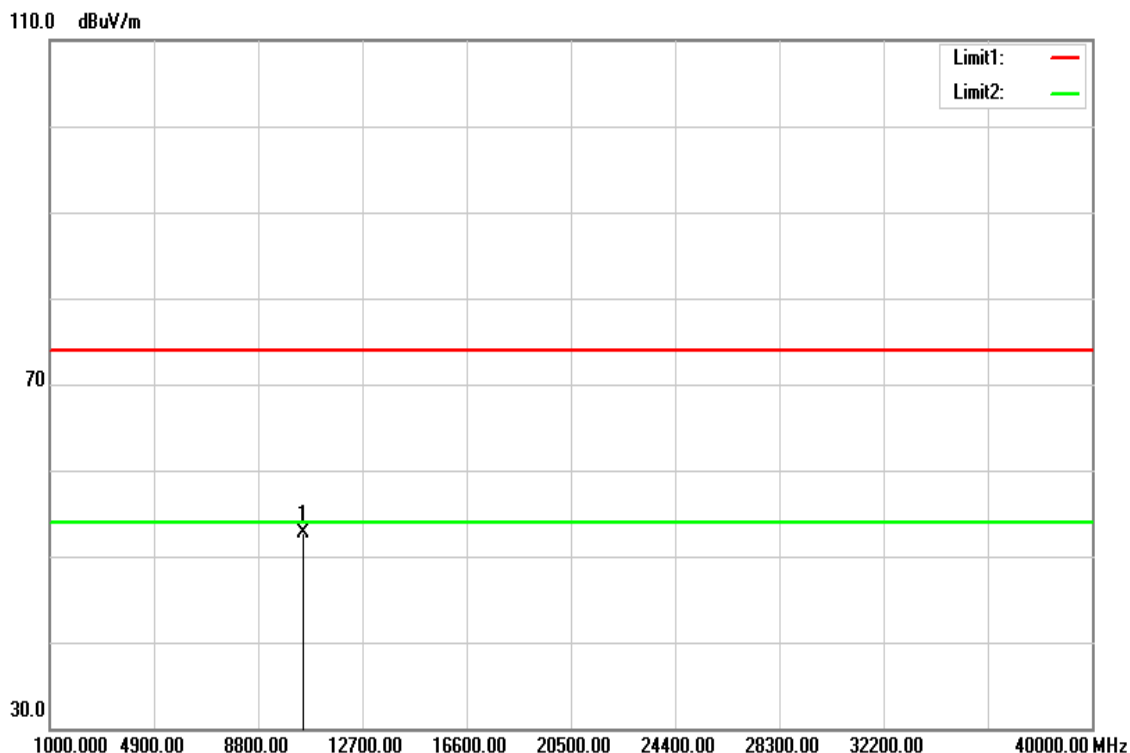


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10490.000	42.65	14.88	57.53	74.00	-16.47	peak
10490.000	31.29	14.88	46.17	54.00	-7.83	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 20 MHz / 5240MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

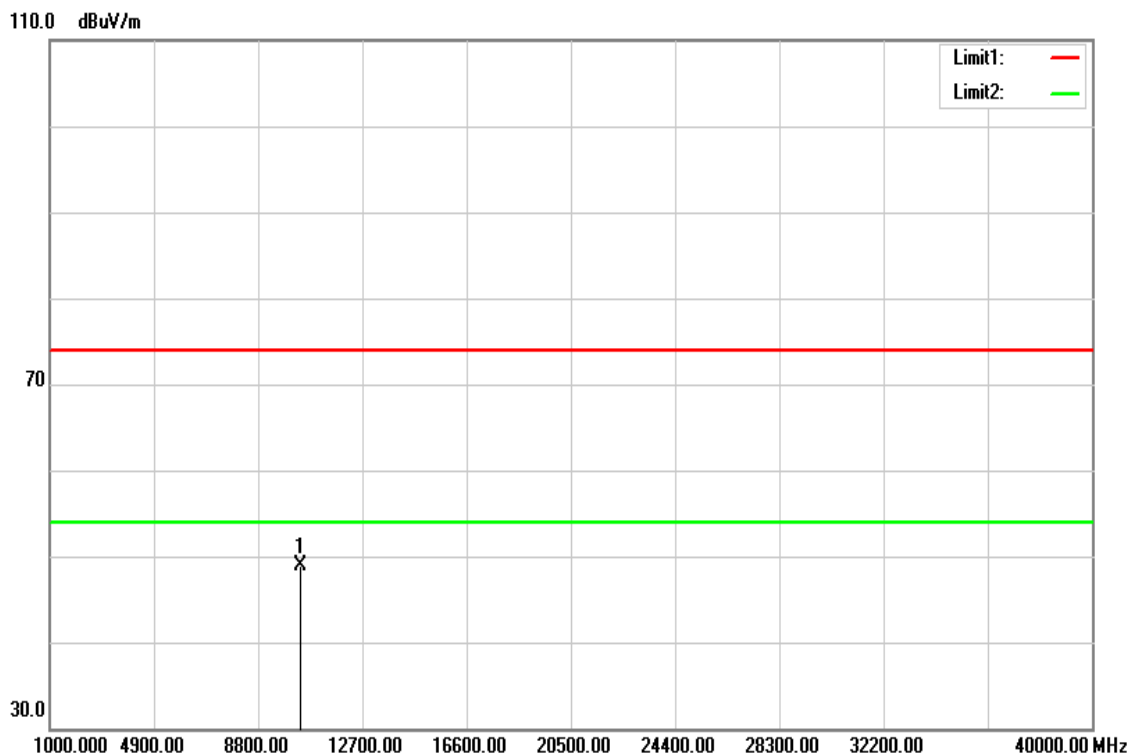


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10480.000	37.79	14.84	52.63	74.00	-21.37	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 40 MHz / 5190MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

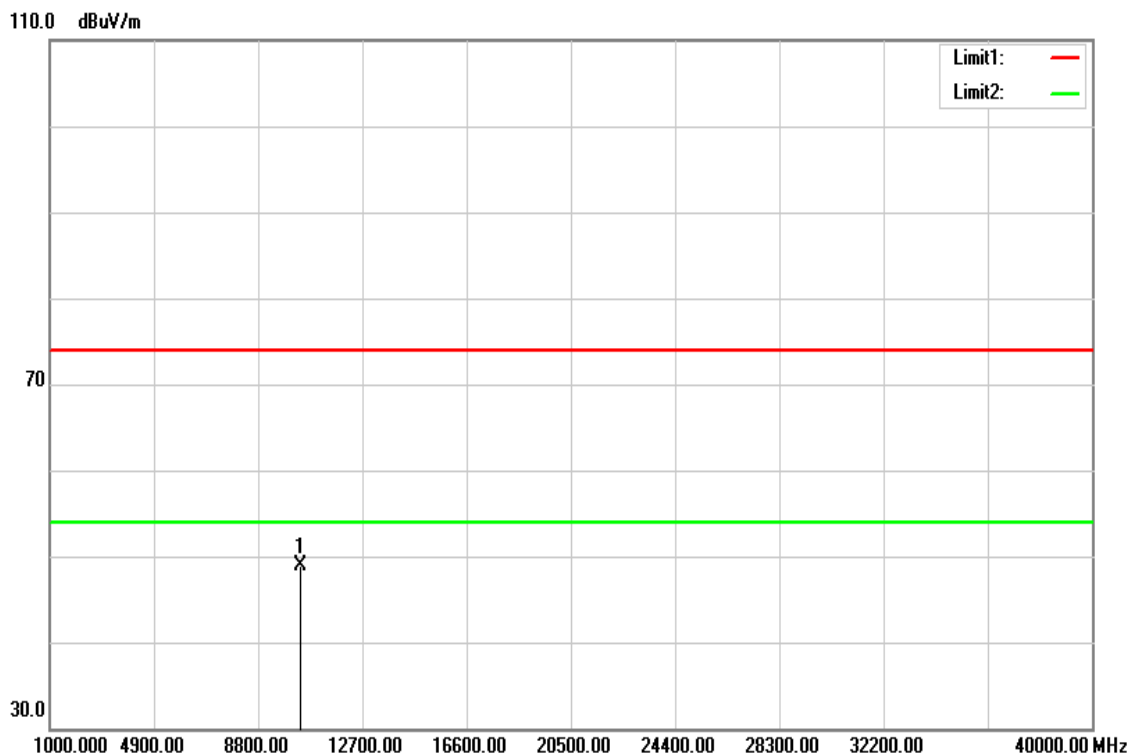


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10380.000	34.44	14.50	48.94	74.00	-25.06	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 40 MHz / 5190MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

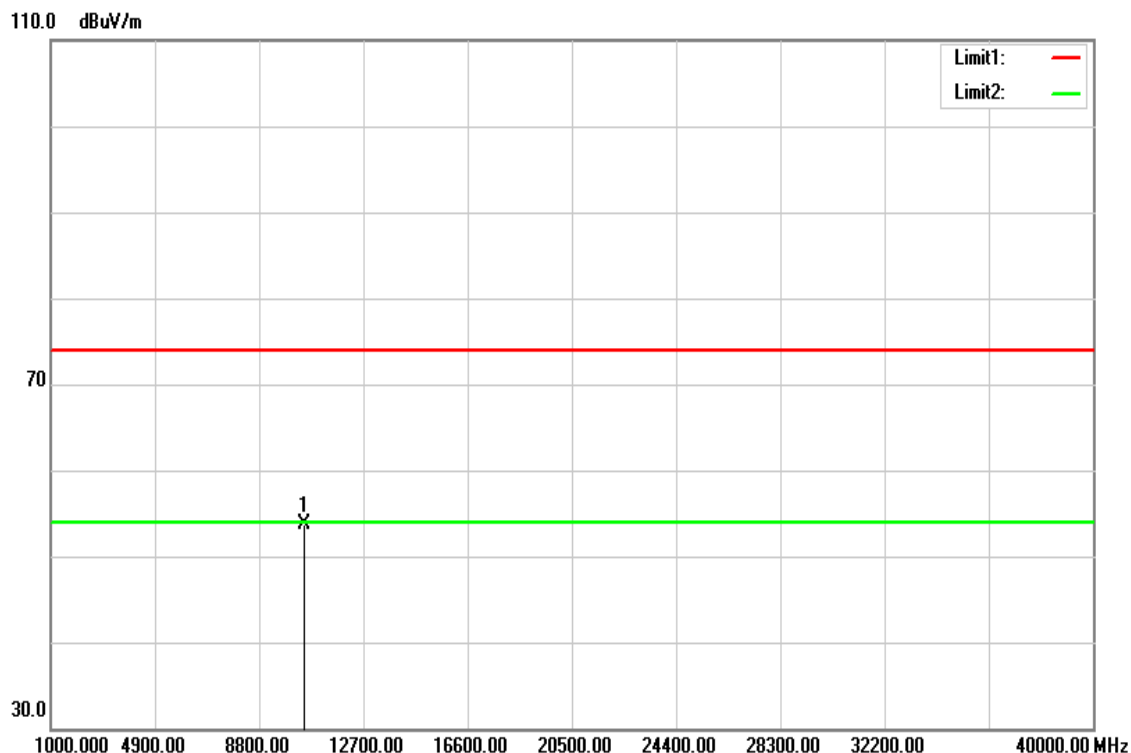


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10380.000	34.43	14.50	48.93	74.00	-25.07	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz



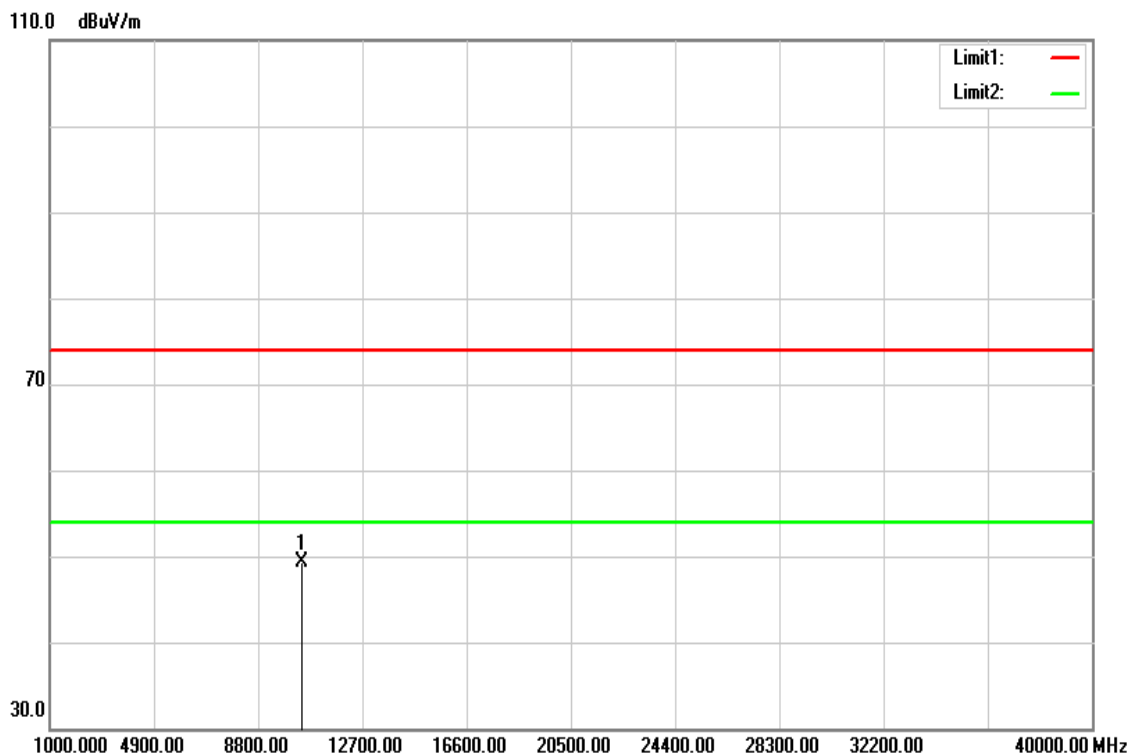
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10470.000	38.91	14.83	53.74	74.00	-20.26	peak
N/A						

**Remark:**

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



Test Mode	IEEE 802.11n 40 MHz / 5230MHZ	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 24, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz



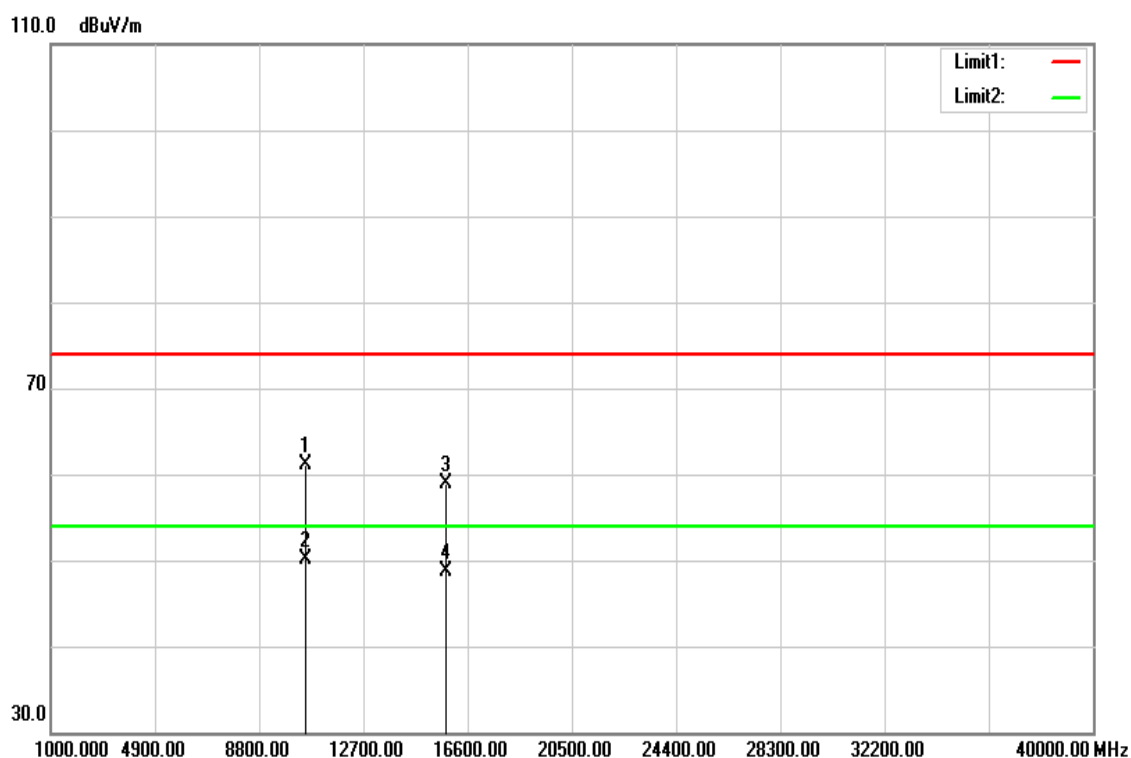
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10460.000	34.49	14.79	49.28	74.00	-24.72	peak
N/A						

**Remark:**

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

**Above 1G Test Data for UNII-2a**

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

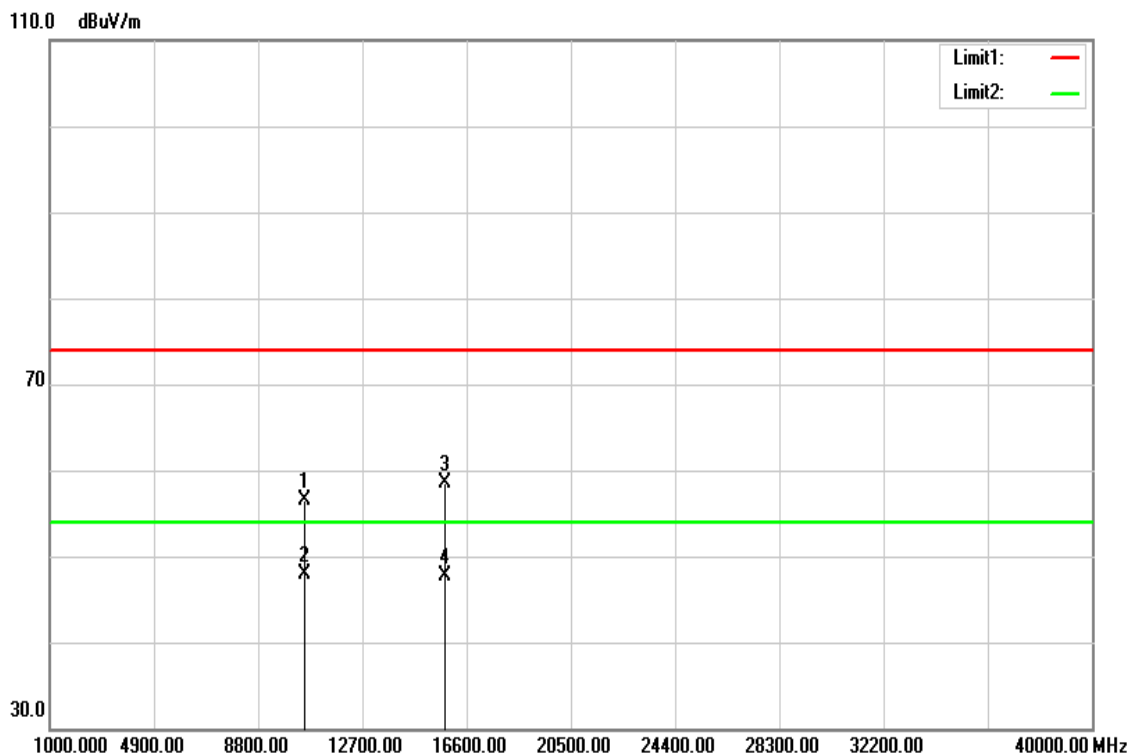


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10530.000	46.06	14.98	61.04	74.00	-12.96	peak
10530.000	35.03	14.98	50.01	54.00	-3.99	AVG
15790.000	39.48	19.41	58.89	74.00	-15.11	peak
15790.000	29.32	19.41	48.73	54.00	-5.27	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

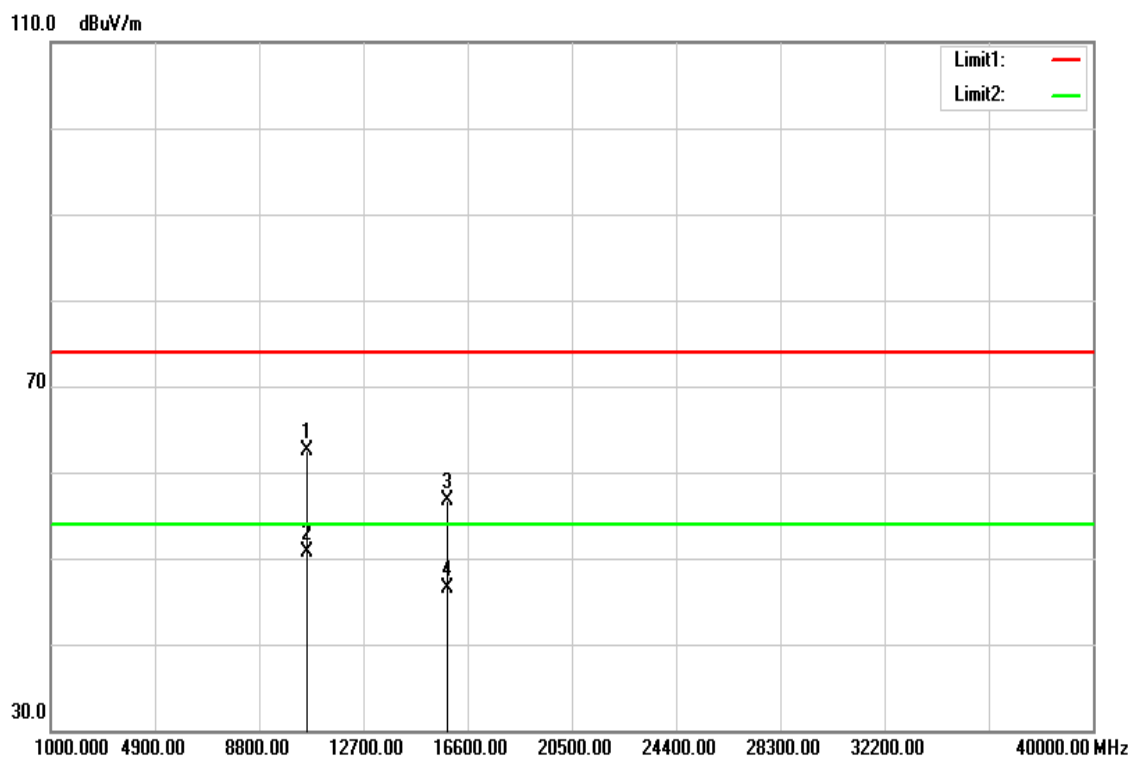


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10520.000	41.54	14.97	56.51	74.00	-17.49	peak
10520.000	32.84	14.97	47.81	54.00	-6.19	AVG
15790.000	39.01	19.41	58.42	74.00	-15.58	peak
15790.000	28.22	19.41	47.63	54.00	-6.37	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5280 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

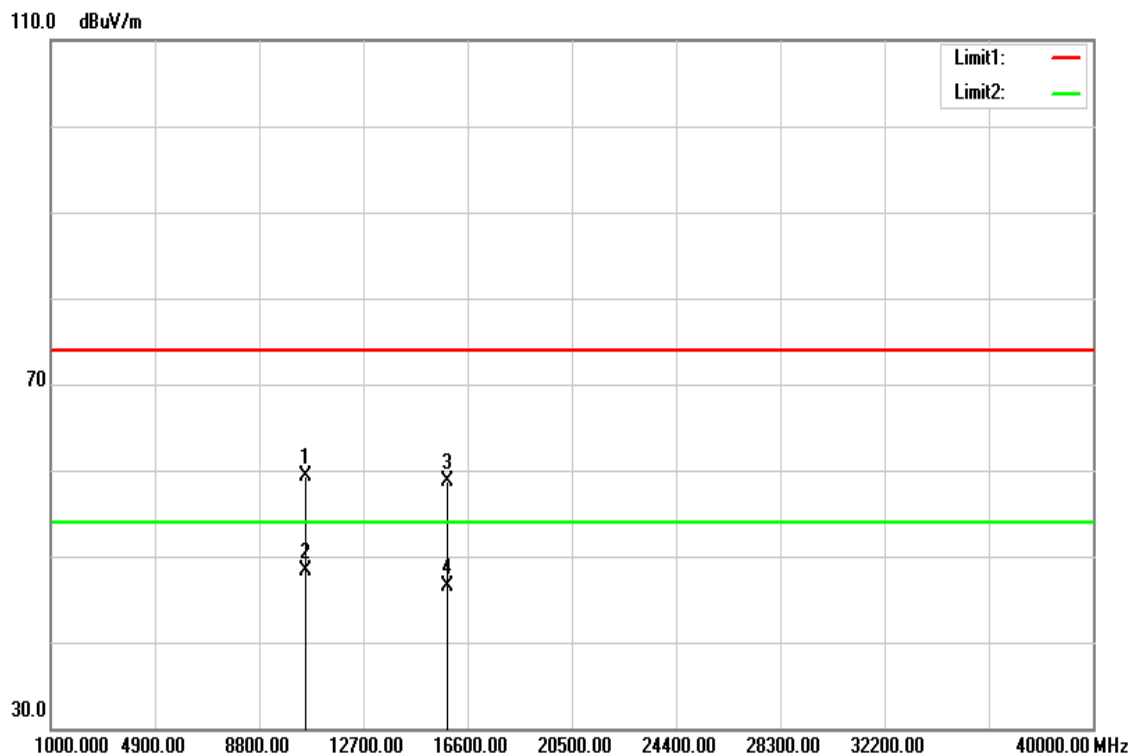


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10570.000	47.32	15.09	62.41	74.00	-11.59	peak
10570.000	35.66	15.09	50.75	54.00	-3.25	AVG
15840.000	37.12	19.55	56.67	74.00	-17.33	peak
15840.000	26.92	19.55	46.47	54.00	-7.53	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5280 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

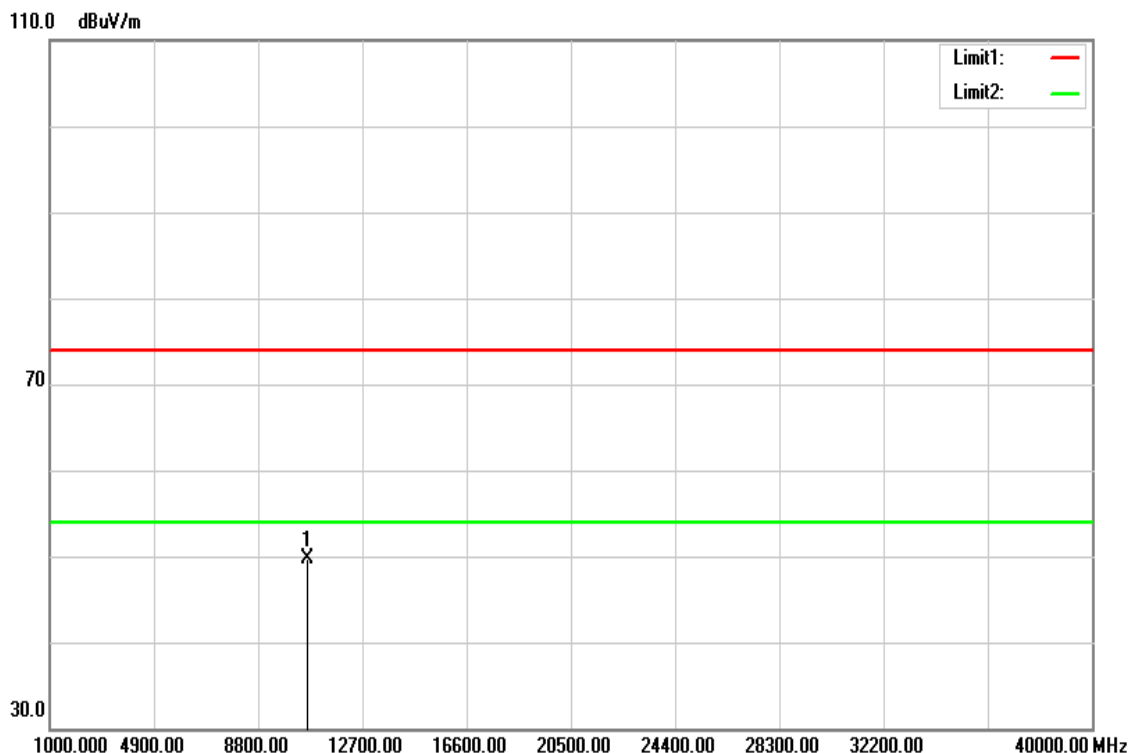


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10560.000	44.18	15.06	59.24	74.00	-14.76	peak
10560.000	33.18	15.06	48.24	54.00	-5.76	AVG
15840.000	39.18	19.55	58.73	74.00	-15.27	peak
15840.000	27.03	19.55	46.58	54.00	-7.42	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

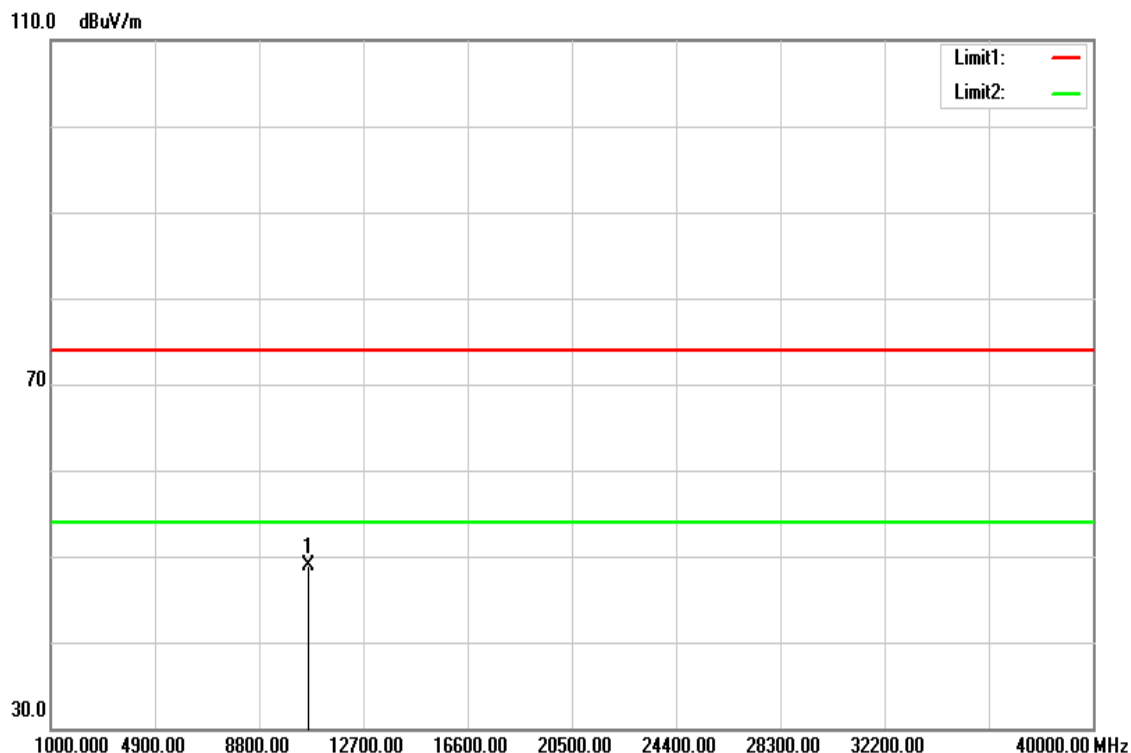


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10640.000	34.57	15.23	49.80	74.00	-24.20	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

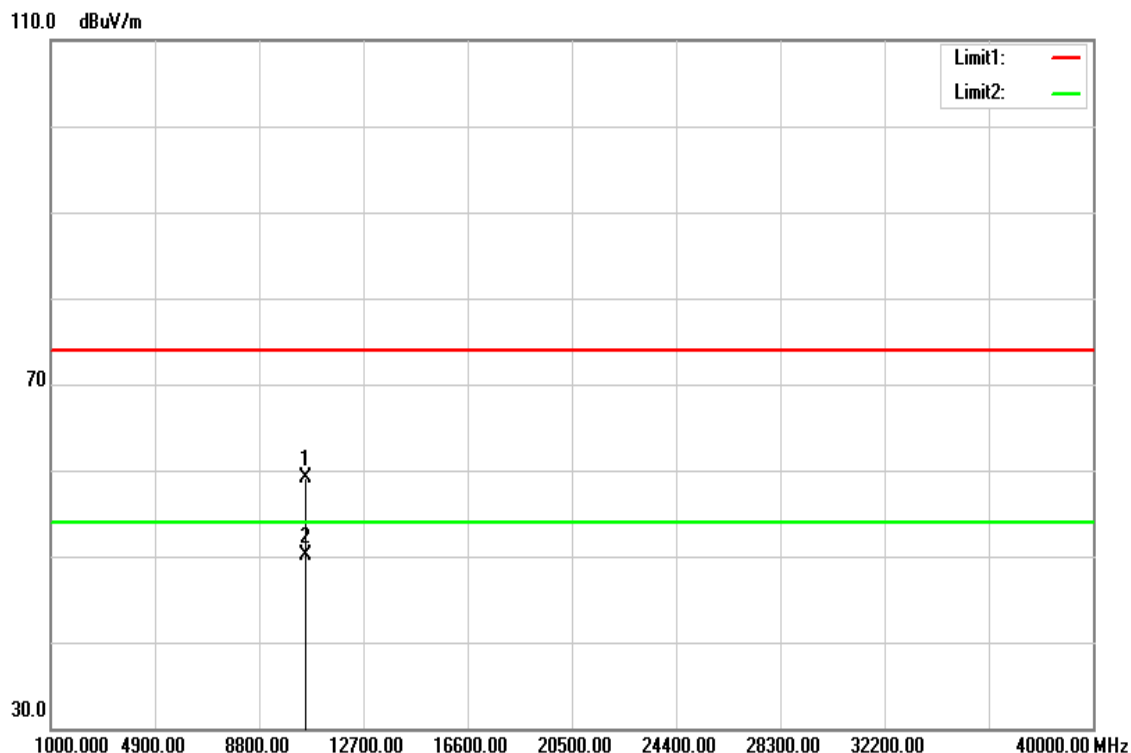


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10640.000	33.71	15.23	48.94	74.00	-25.06	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz



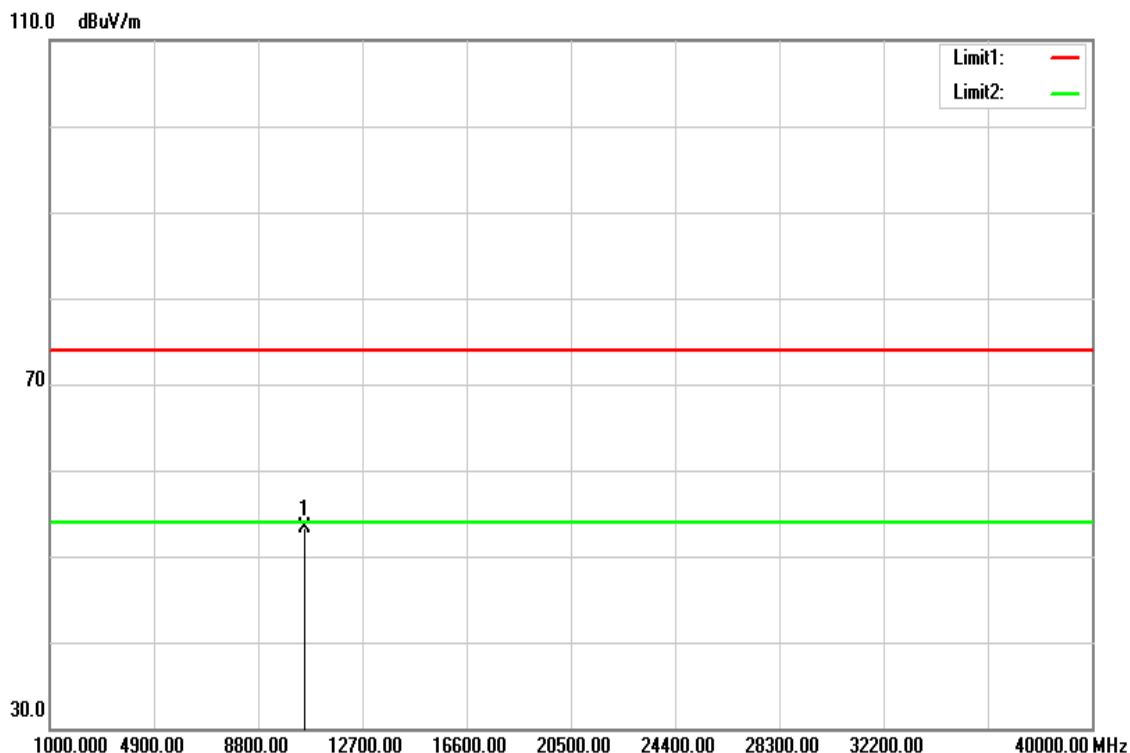
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10520.000	44.07	14.97	59.04	74.00	-14.96	peak
10520.000	35.20	14.97	50.17	54.00	-3.83	AVG
N/A						

**Remark:**

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



Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

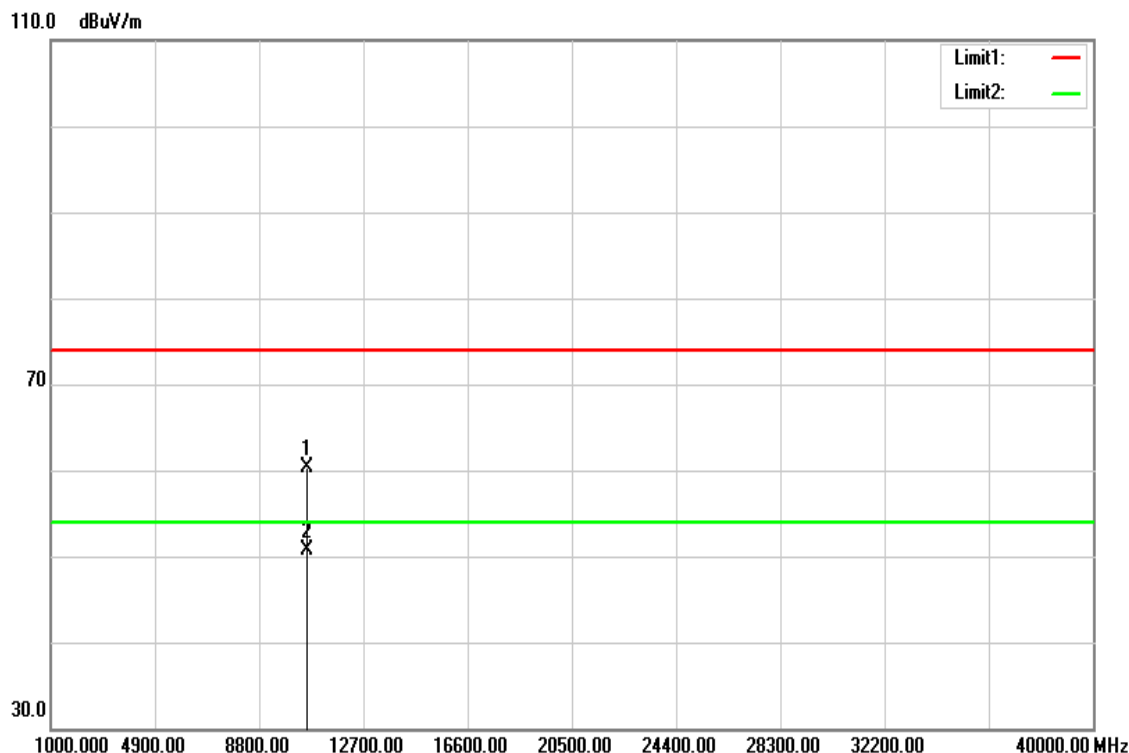


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10520.000	38.26	14.97	53.23	74.00	-20.77	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 20 MHz / 5280 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

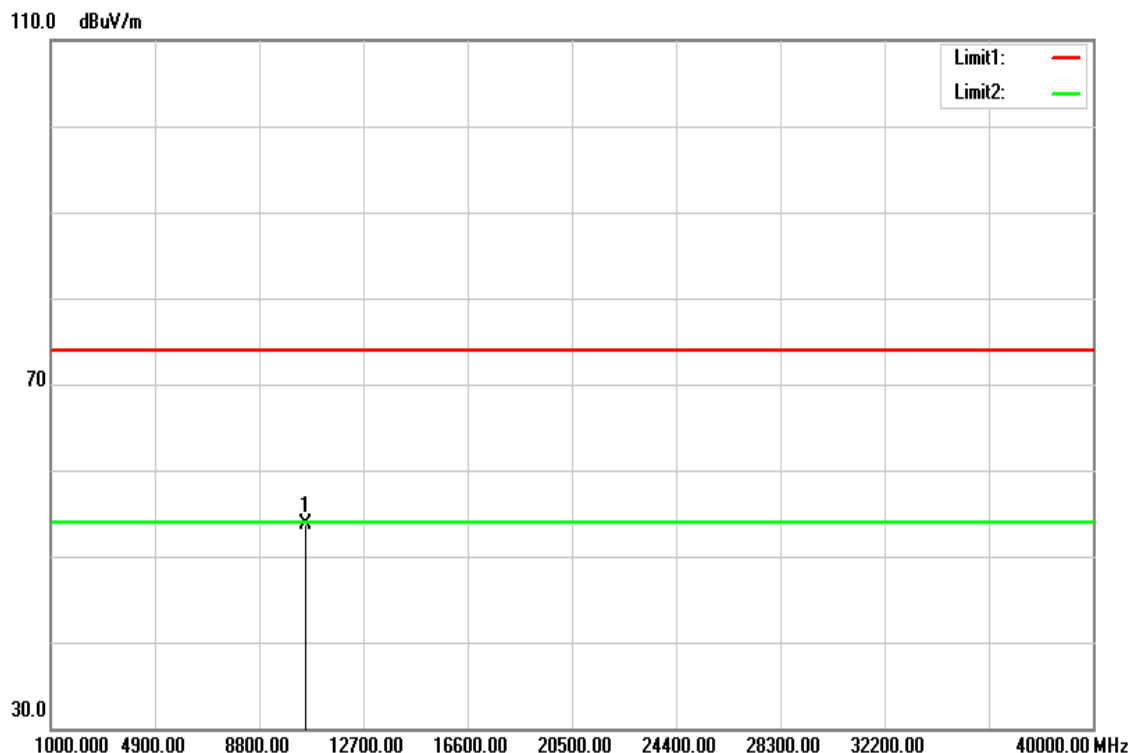


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10570.000	45.31	15.09	60.40	74.00	-13.60	peak
10570.000	35.58	15.09	50.67	54.00	-3.33	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 20 MHz / 5280 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

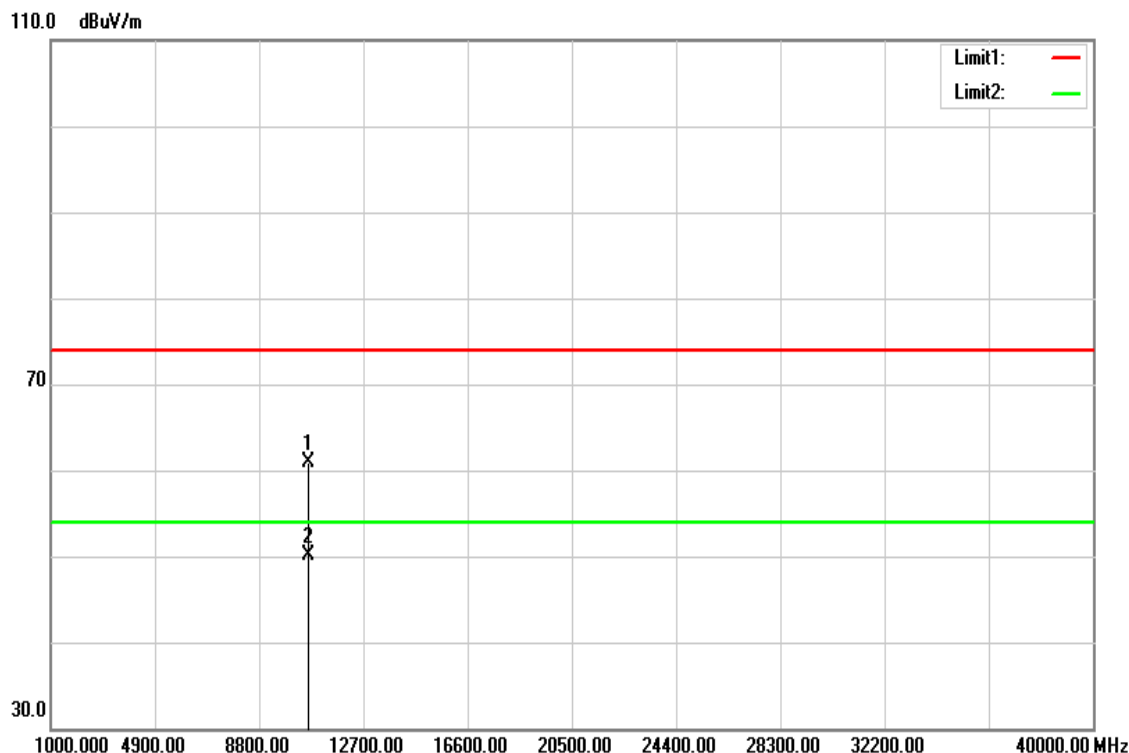


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10560.000	38.55	15.06	53.61	74.00	-20.39	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

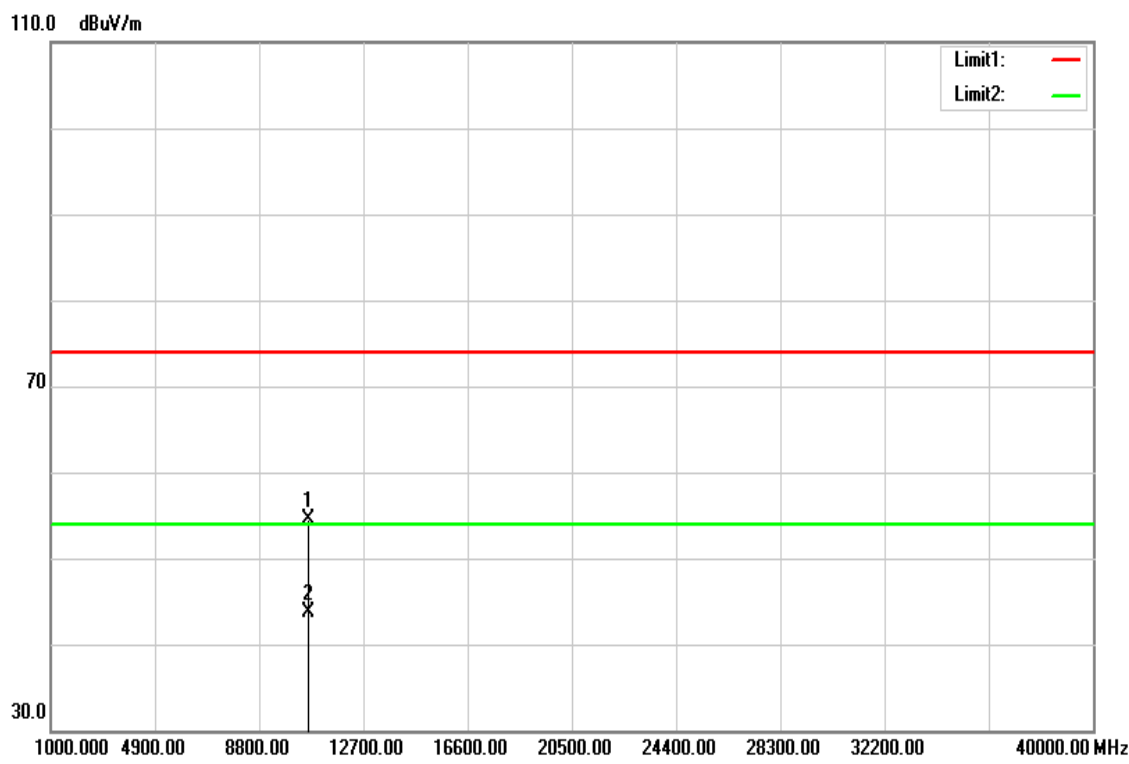


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10640.000	45.68	15.23	60.91	74.00	-13.09	peak
10640.000	34.91	15.23	50.14	54.00	-3.86	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

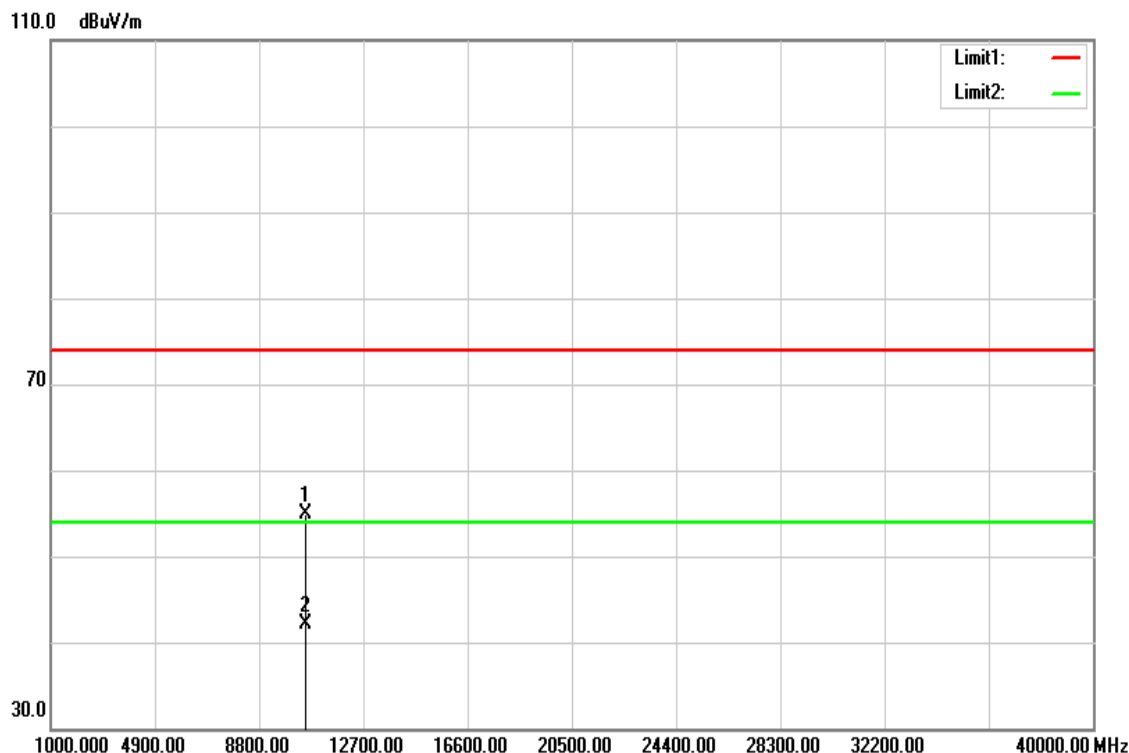


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10640.000	39.37	15.23	54.60	74.00	-19.40	peak
10640.000	28.49	15.23	43.72	54.00	-10.28	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

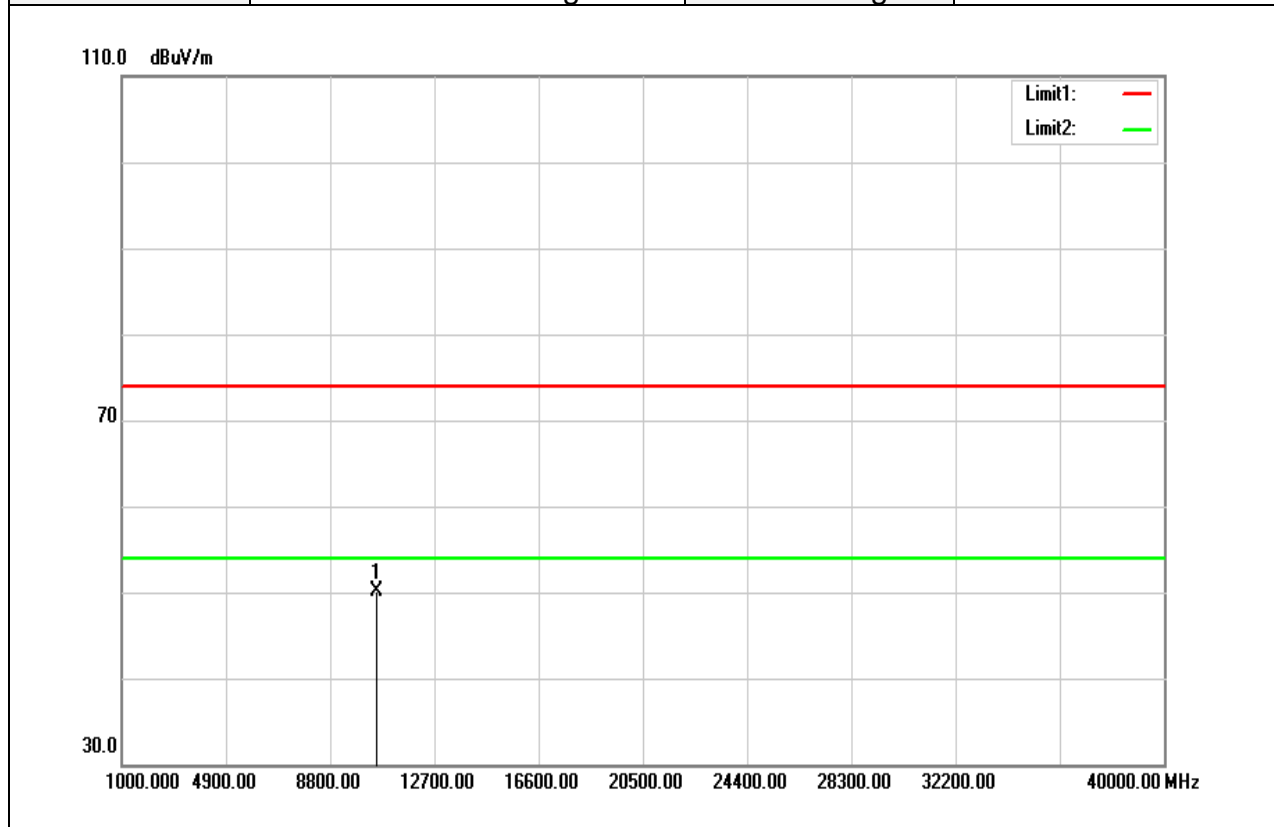


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10560.000	39.84	15.06	54.90	74.00	-19.10	peak
10560.000	27.00	15.06	42.06	54.00	-11.94	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

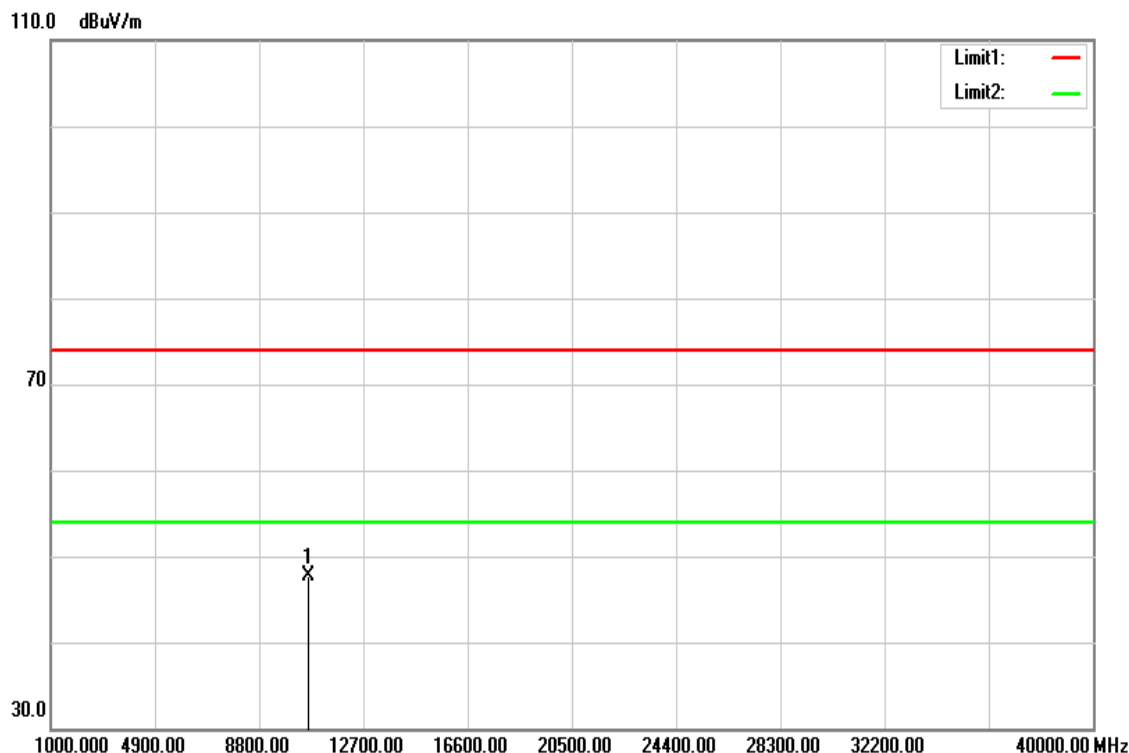


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10540.000	35.02	15.01	50.03	74.00	-23.97	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz



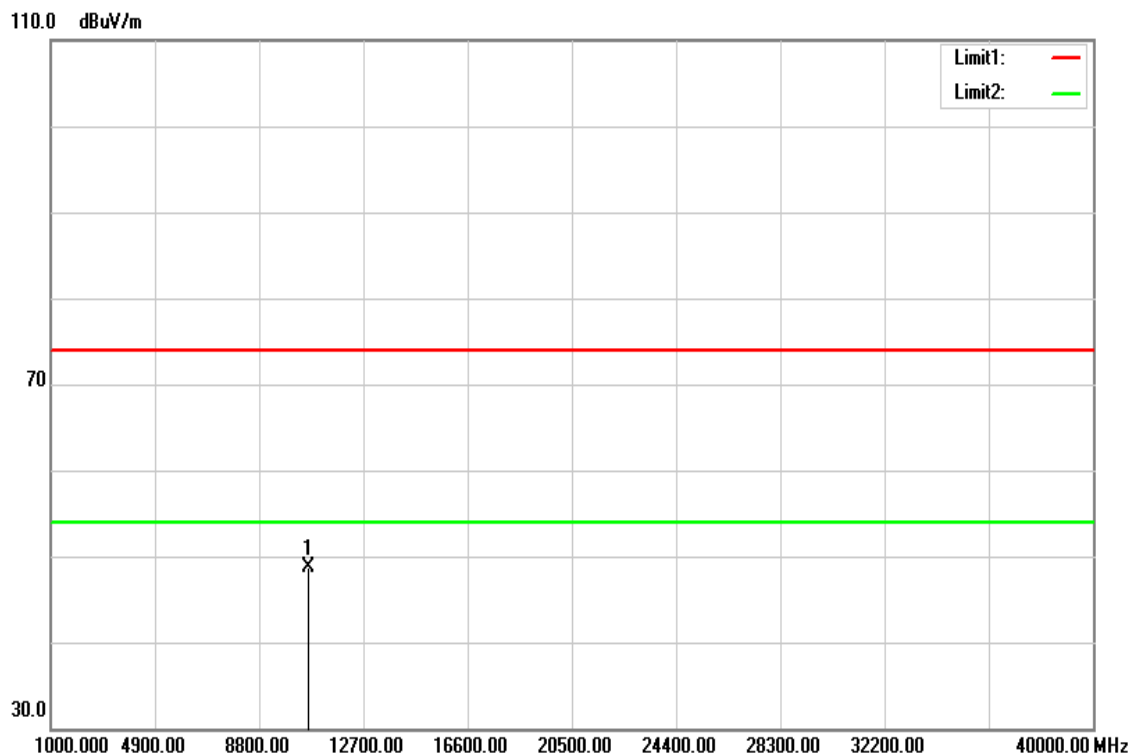
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10620.000	32.43	15.20	47.63	74.00	-26.37	peak
N/A						

**Remark:**

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



Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz



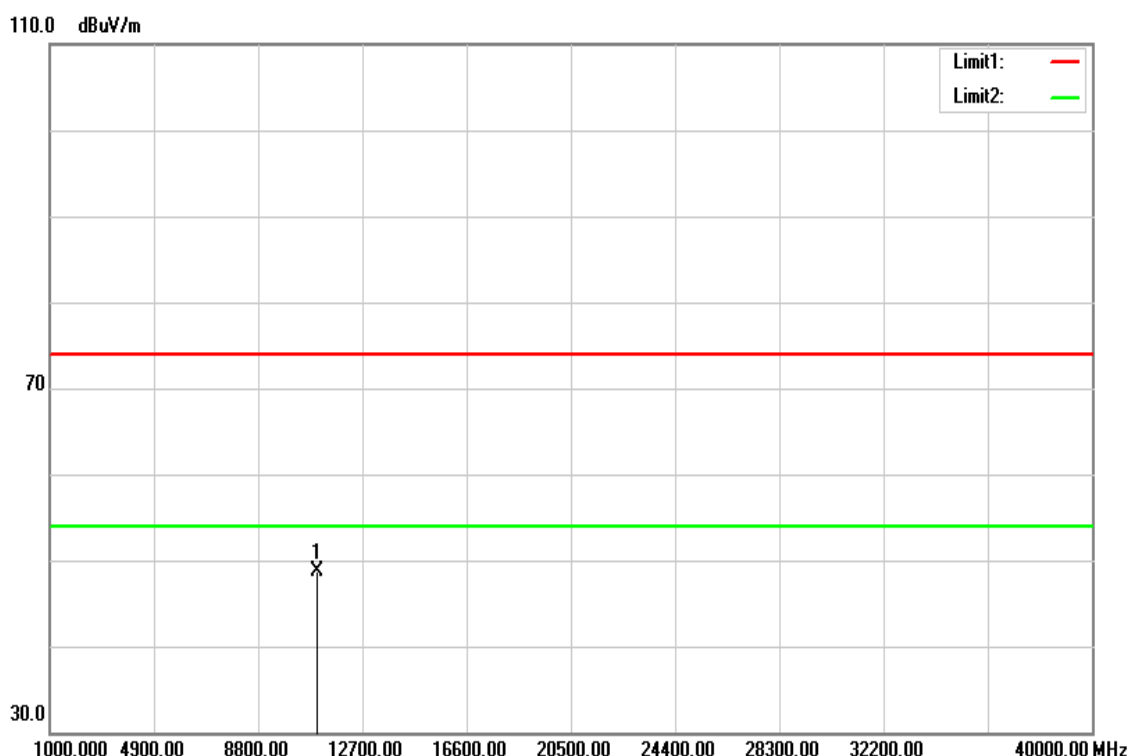
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
10620.000	33.46	15.20	48.66	74.00	-25.34	peak
N/A						

**Remark:**

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

**Above 1G Test Data for UNII-2c**

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

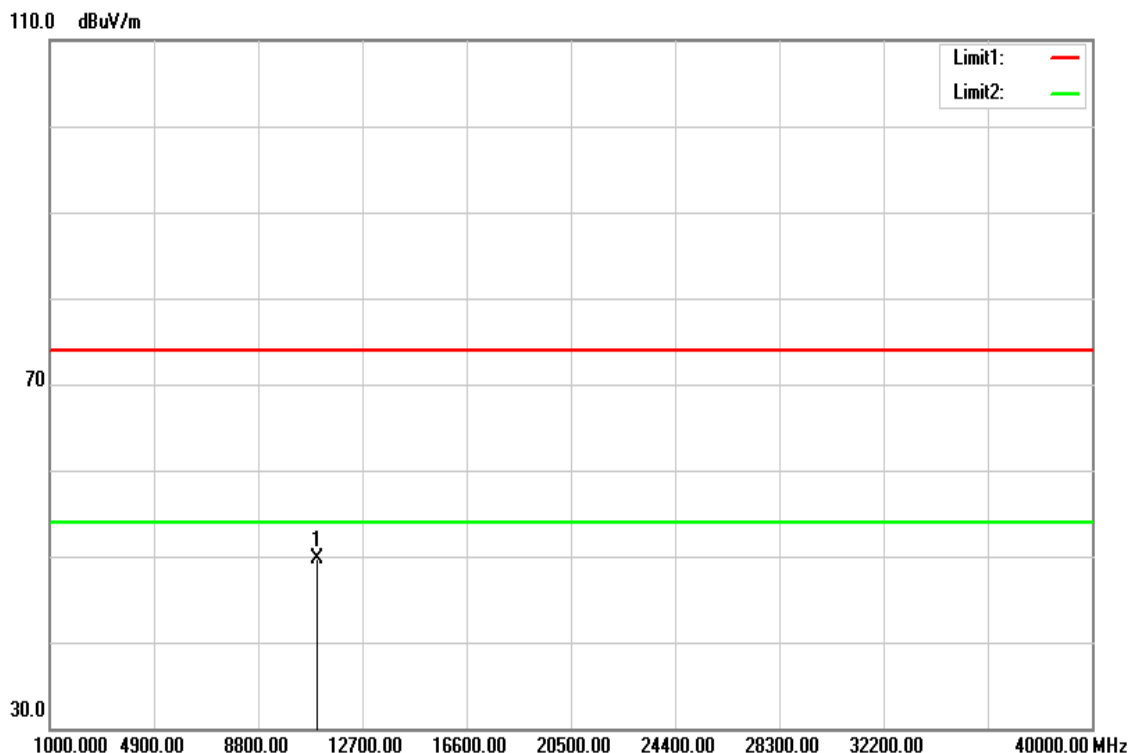


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
11000.000	32.63	16.06	48.69	74.00	-25.31	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

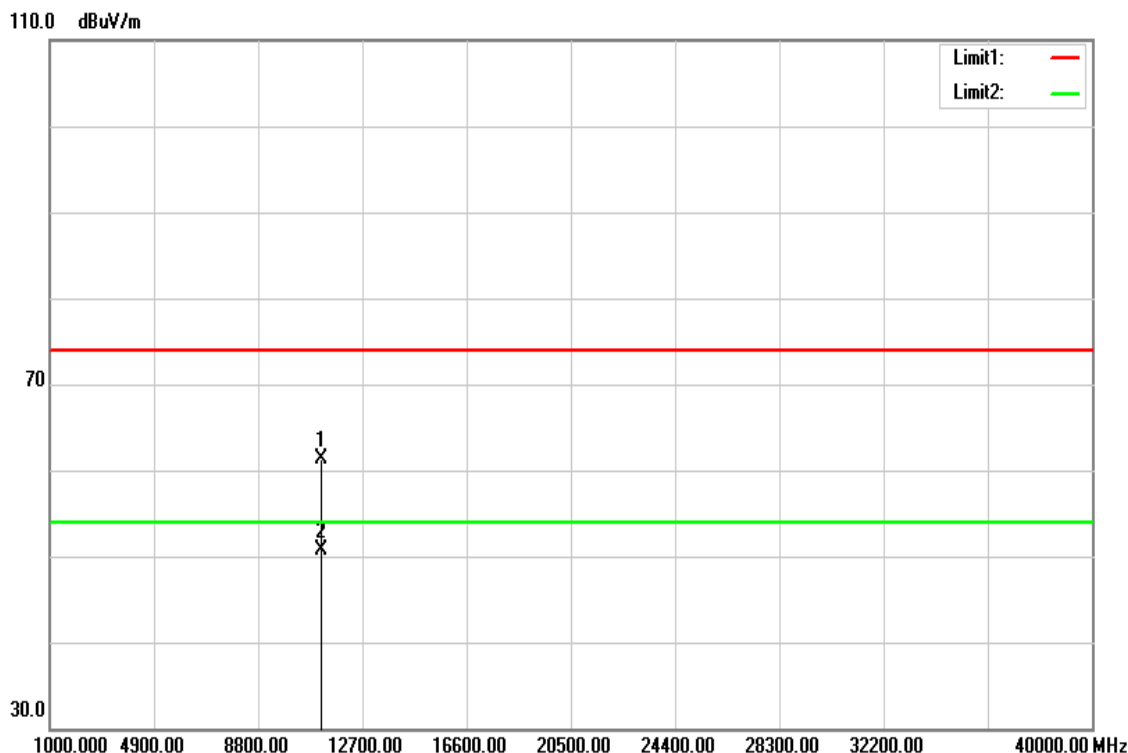


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
11000.000	33.71	16.06	49.77	74.00	-24.23	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

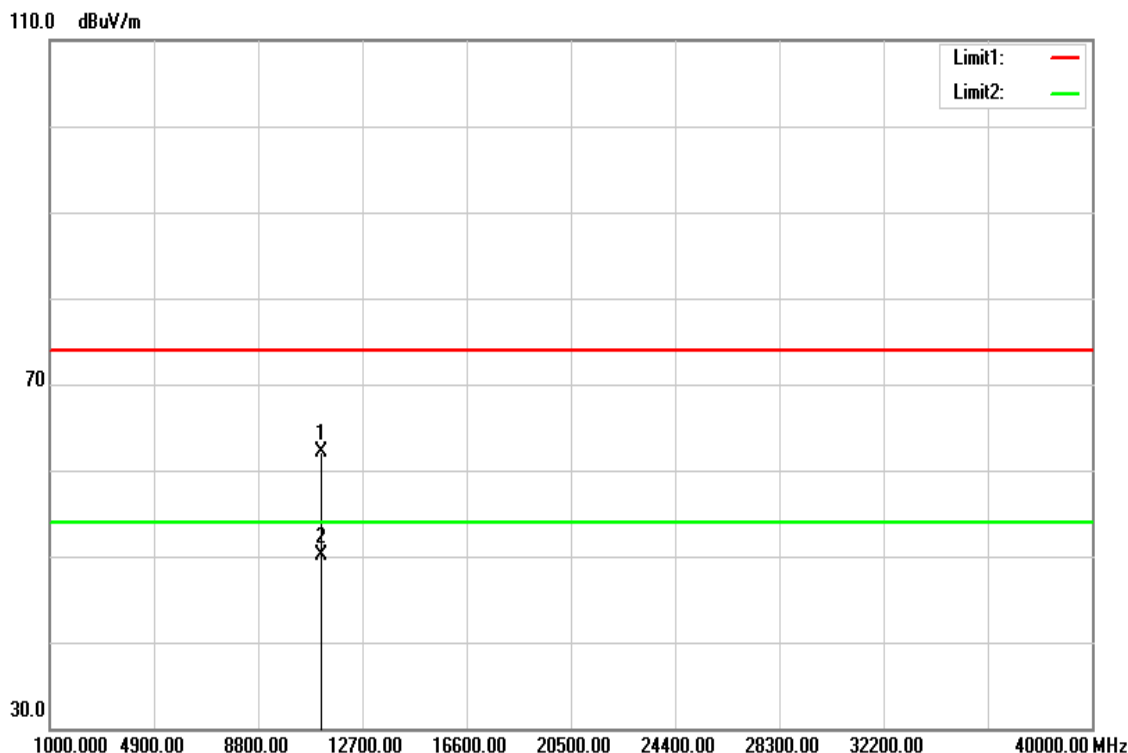


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
11160.000	45.31	16.07	61.38	74.00	-12.62	peak
11160.000	34.56	16.07	50.63	54.00	-3.37	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

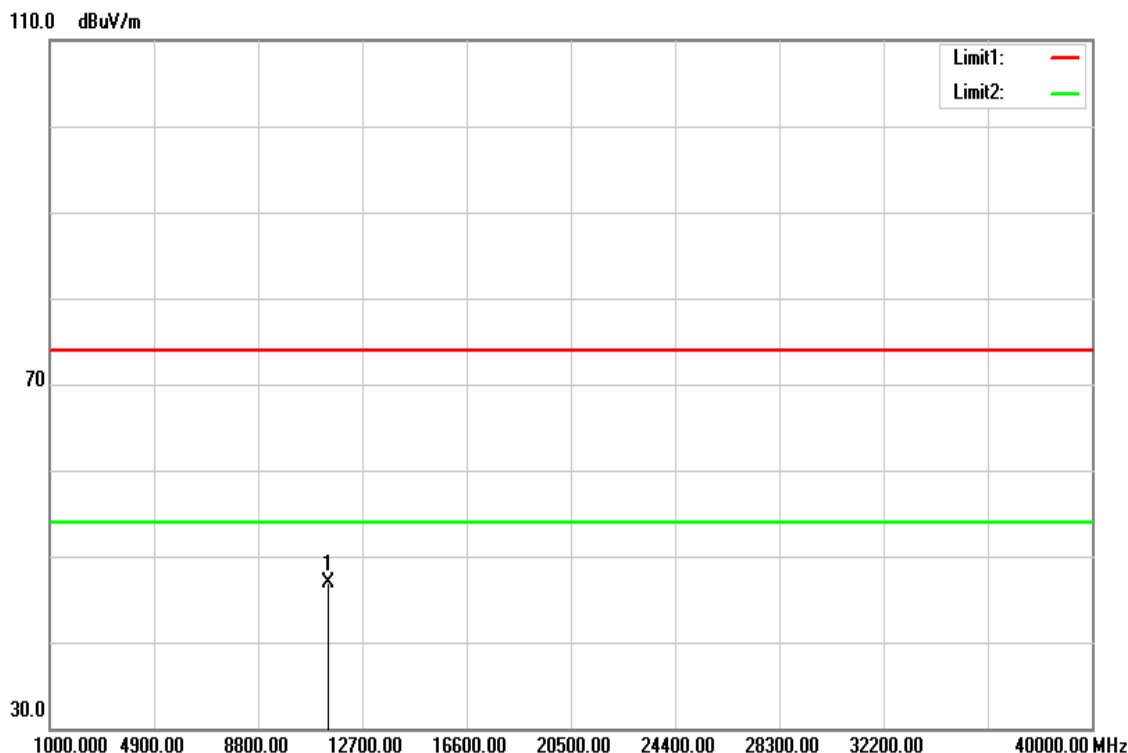


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
11160.000	46.12	16.07	62.19	74.00	-11.81	peak
11160.000	33.94	16.07	50.01	54.00	-3.99	AVG
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Vertical	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz

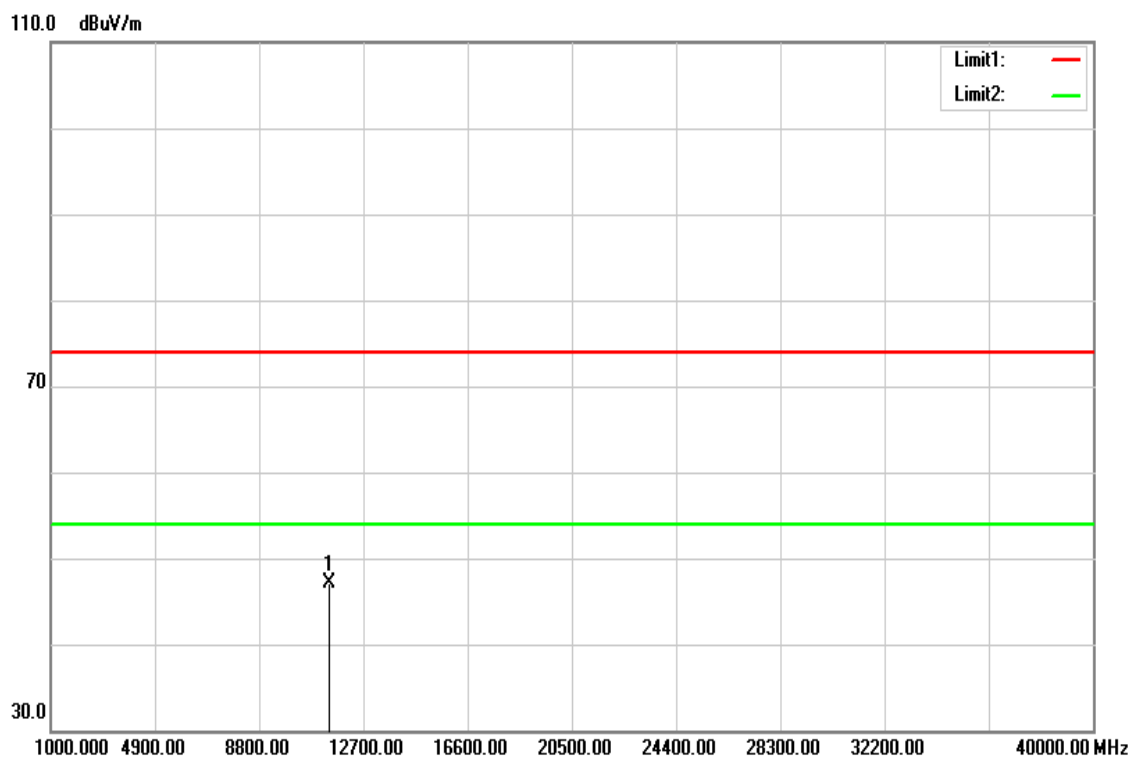


Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
11400.000	30.90	16.08	46.98	74.00	-27.02	peak
N/A						

**Remark:**

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

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	24(°C)/ 33%RH
Test Item	Harmonic	Test Date	January 26, 2018
Polarize	Horizontal	Test Engineer	Jerry Chuang
Detector	Peak and Average	Test Voltage	120Vac/60Hz



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
11400.000	31.05	16.08	47.13	74.00	-26.87	peak
N/A						

**Remark:**

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