

Mode: IEEE 802.11n HT40  
 Middle Frequency (5795MHz)  
 Environment:23.5°C/47%RH 101.0kPa  
 Tested By:Zhang Zishan

Date: 2023-12-05  
 Voltage:AC 120V/60Hz

Suspected Data List										
NO.	Freq. [MHz]	Reading [dB $\mu$ V/m]	Level for 1m [dB $\mu$ V/m]	Level for 3m [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18894.3000	56.75	45.55	36.01	-11.20	74.00	37.99	100	96	Horizontal
2	20900.7000	55.38	45.07	35.53	-10.31	74.00	38.47	100	51	Horizontal
3	23816.8000	53.99	45.54	36.00	-8.45	74.00	38.00	200	1	Horizontal
4	28599.6000	55.78	47.68	38.14	-8.10	74.00	35.86	200	257	Horizontal
5	34165.6000	58.40	49.40	39.86	-9.00	74.00	34.14	100	264	Horizontal
6	39782.2000	53.15	51.96	42.42	-1.19	74.00	31.58	100	154	Horizontal

Suspected Data List										
NO.	Freq. [MHz]	Reading [dB $\mu$ V/m]	Level for 1m [dB $\mu$ V/m]	Level for 3m [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18577.5000	56.77	45.35	35.81	-11.42	74.00	38.19	200	166	Vertical
2	21503.5000	54.75	44.74	35.20	-10.01	74.00	38.80	200	154	Vertical
3	26597.6000	53.53	45.95	36.41	-7.58	74.00	37.59	100	179	Vertical
4	28017.7000	57.23	48.91	39.37	-8.32	74.00	34.63	100	115	Vertical
5	32520.0000	57.78	49.05	39.51	-8.73	74.00	34.49	200	154	Vertical
6	39194.8000	53.69	51.60	42.06	-2.09	74.00	31.94	100	64	Vertical

**Remark:**

- 1 Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2 Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 3 Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4 Above 18G test distance is 1m, so the Level for 3m= Level for 1m + 20\*log(1/3)

## 7. RESTRICTED BANDS OF OPERATION

### 7.1 LIMITS

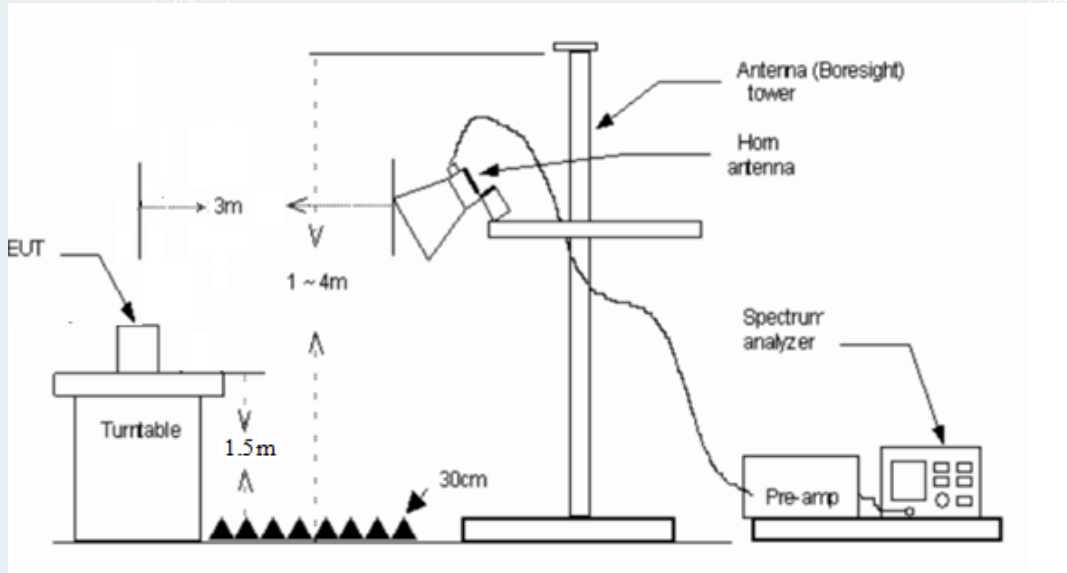
Section 15.407(b)(10) The provisions of §15.205 apply to intentional radiators operating under this section. 15.205(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )

### 7.2 TEST PROCEDURES

- The EUT is placed on a turntable, which is 1.5m above the ground plane.
- The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
  - PEAK Measurement: RBW=1MHz / VBW=3MHz / Sweep=AUTO
  - AVERAGE Measurement: RBW=1MHz, Sweep=AUTO, There are two cases of VBW.  
If the EUT is configured to transmit with duty cycle  $\geq 98\%$ , set VBW=10Hz. If the EUT duty cycle is  $< 98\%$ , set VBW  $\geq 1/T$ , Where T is defined in section 2.8.
- Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.

### 7.3 TEST SETUP



----- The following blanks -----

### 7.4 TEST RESULTS

Pre-scan all modes, the worst power supply is AC 120/60Hz(DC 5V/2A power by Adapter) in the two power supply modes and recorded the results in this report.

#### IEEE 802.11a mode ANT4

##### Lowest Channel

Frequency 5180MHz

Environment: 23.5°C/47%RH 101.0kPa

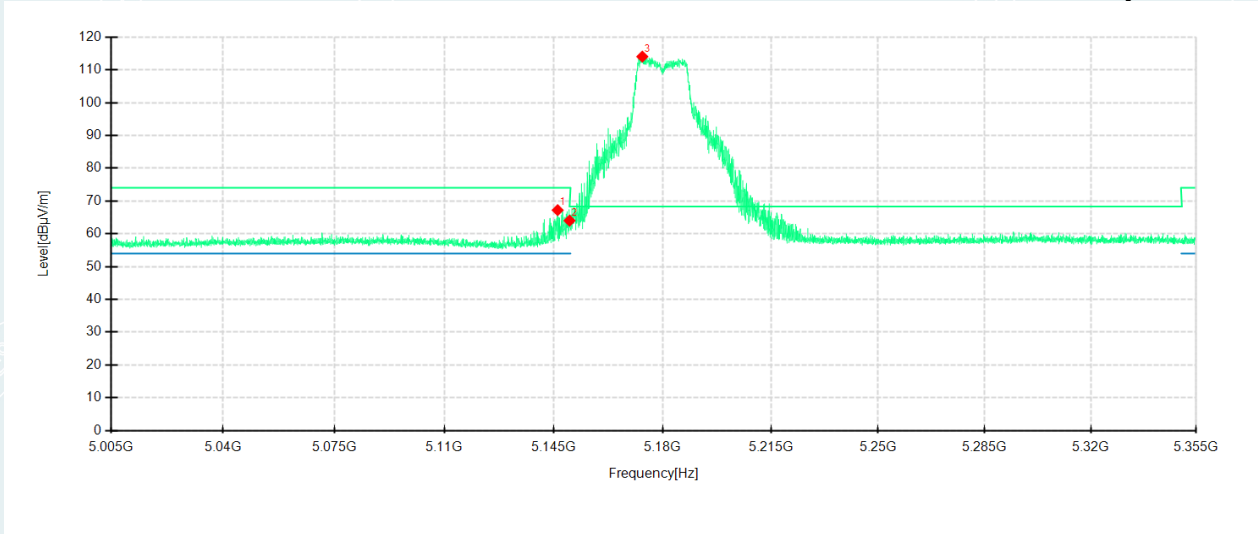
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

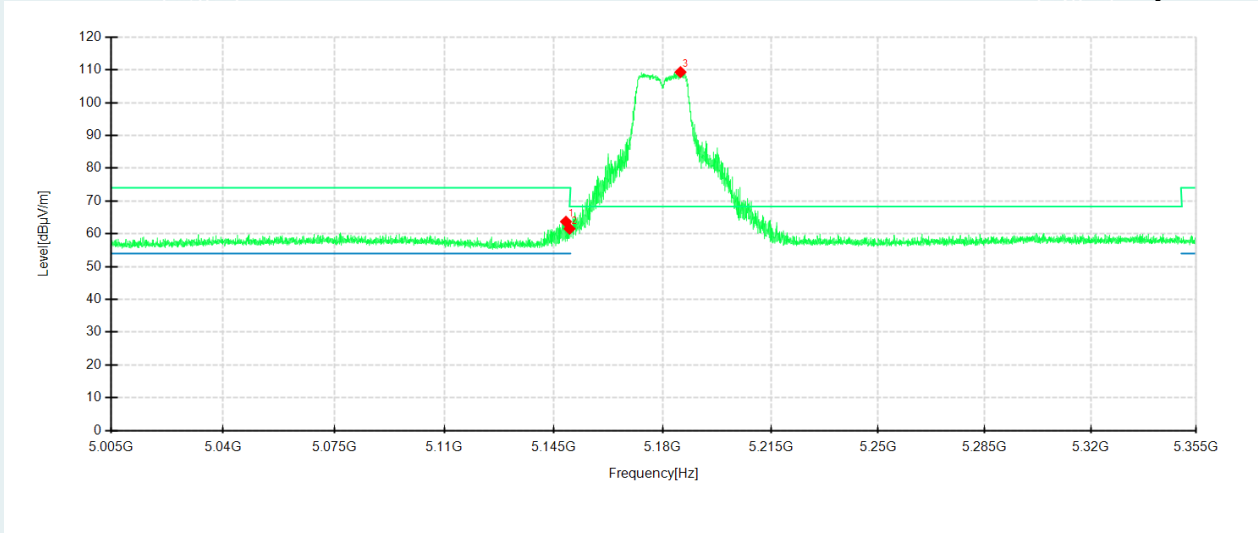
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dB $\mu$ V/m	Level dB $\mu$ V/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5146.1813	52.19	67.21	15.02	74.00	6.79	100	130	Horizontal	/
2	5150.0000	49.00	64.00	15.00	68.30	4.30	100	130	Horizontal	/
3	5173.3938	98.83	114.03	15.20	68.30	-45.73	100	143	Horizontal	No limit
1	5148.8500	48.89	63.70	14.81	74.00	10.30	100	321	Vertical	/
2	5150.0000	46.73	61.53	14.80	68.30	6.77	100	321	Vertical	/
3	5185.7313	94.27	109.31	15.04	68.30	-41.01	100	321	Vertical	No limit

----- The following blanks -----

**IEEE 802.11a mode ANT4**

**Lowest Channel**

Frequency 5180MHz

Environment: 23.5°C/47%RH 101.0kPa

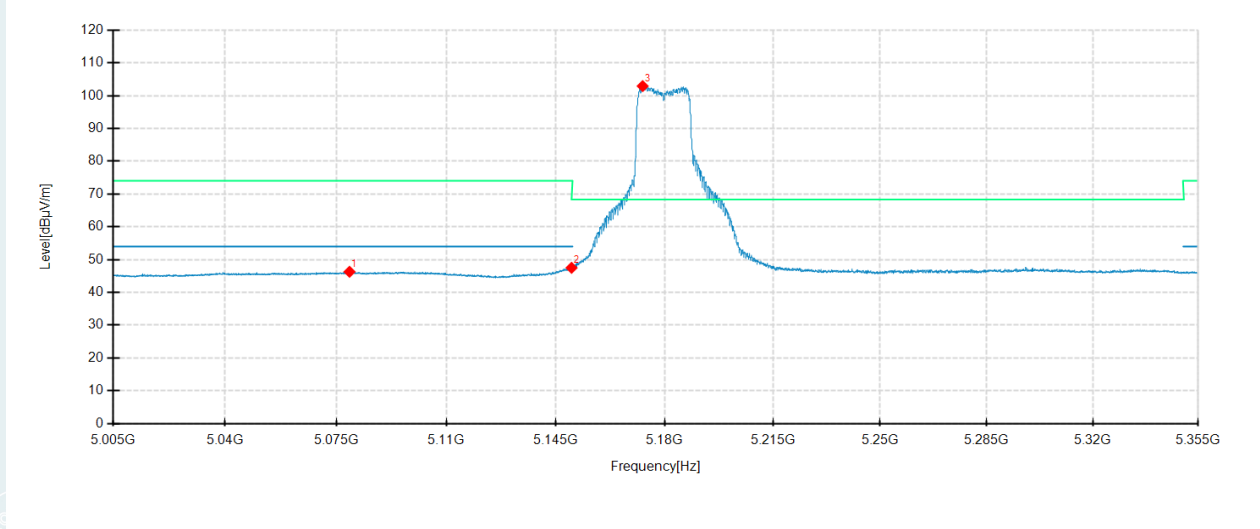
Tested By: Zhang Zishan

Detector mode: Average

Voltage: AC 120V/60Hz

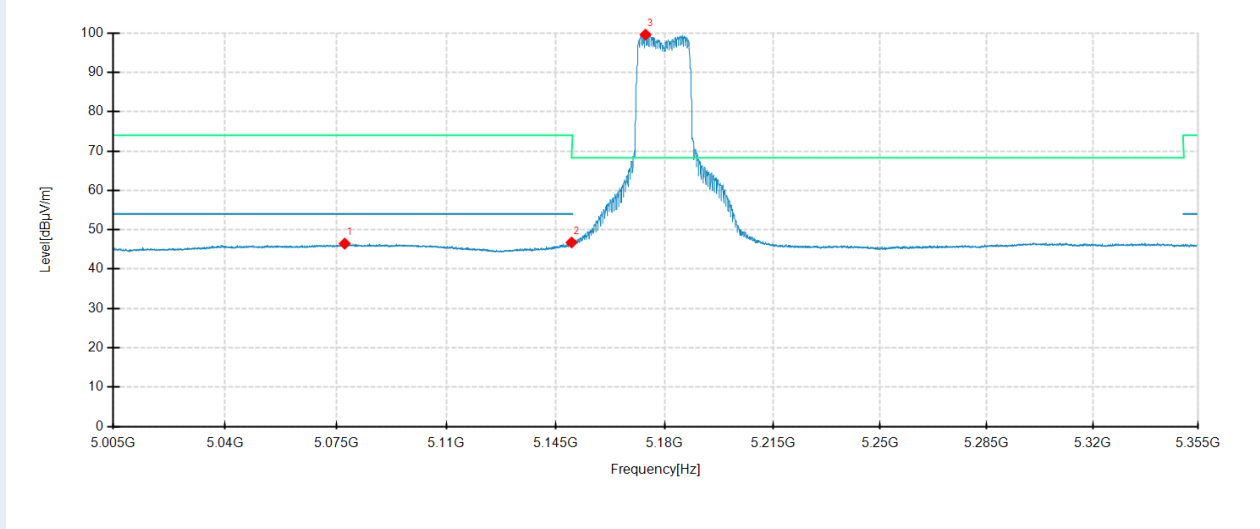
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBµV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5079.2438	31.12	46.27	15.15	54.00	7.73	100	340	Horizontal	/
2	5150.0000	32.48	47.48	15.00	54.00	6.52	100	196	Horizontal	/
3	5172.8688	87.71	102.90	15.19	-	-	100	143	Horizontal	No limit
1	5077.7125	31.23	46.47	15.24	54.00	7.53	100	98	Vertical	/
2	5150.0000	31.97	46.77	14.80	54.00	7.23	100	136	Vertical	/
3	5173.7875	84.65	99.60	14.95	-	-	100	136	Vertical	No limit

**IEEE 802.11a mode ANT4**

**Highest Channel**

Frequency 5240MHz

Environment: 23.5°C/47%RH 101.0kPa

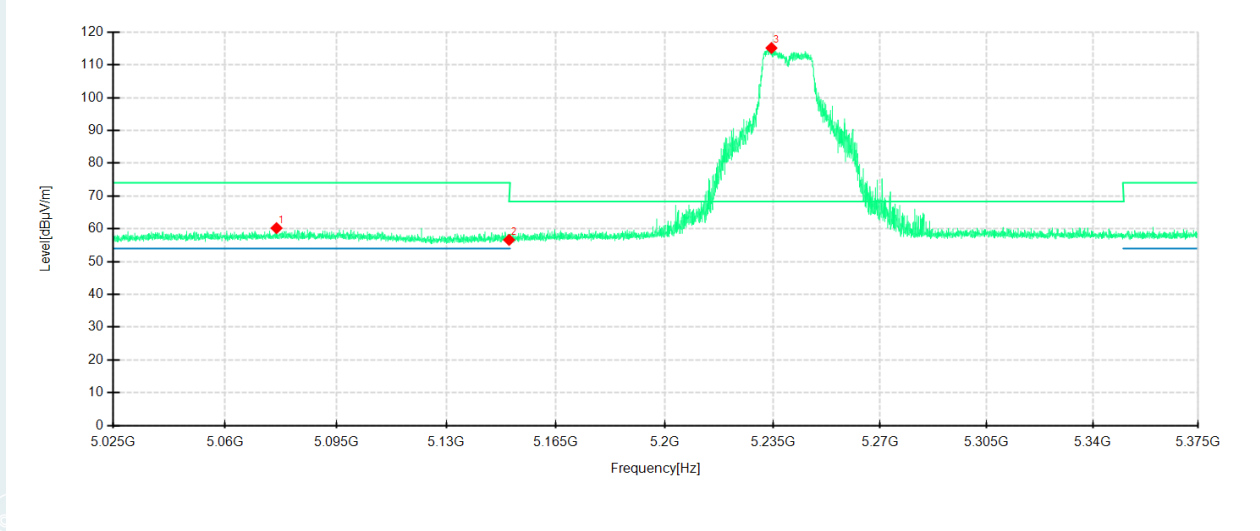
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

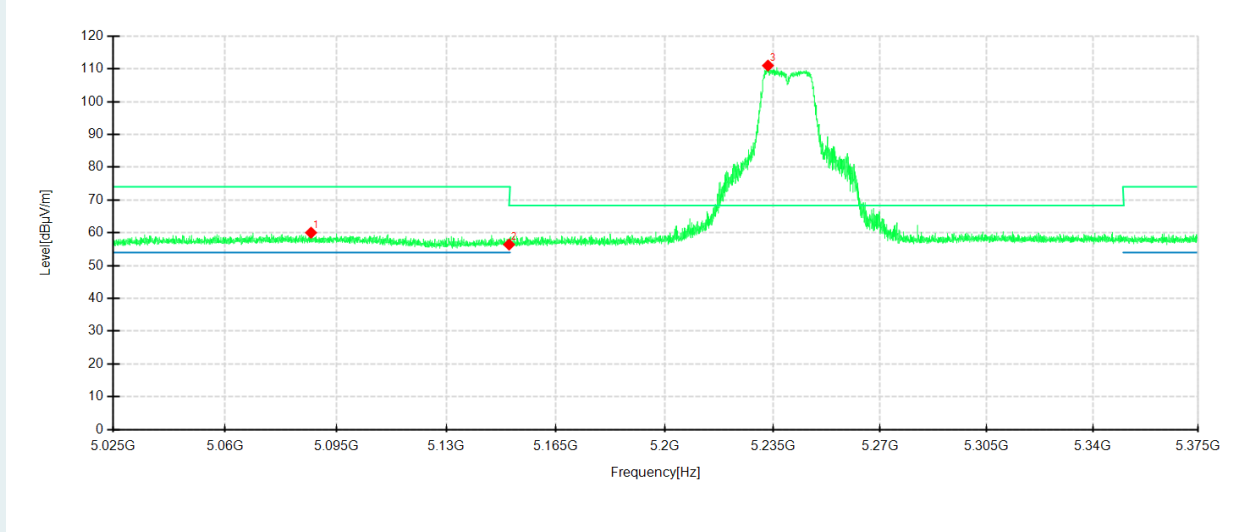
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5076.1875	45.07	60.20	15.13	74.00	13.80	100	263	Horizontal	/
2	5150.0000	41.60	56.60	15.00	68.30	11.70	100	316	Horizontal	/
3	5234.5625	99.40	115.13	15.73	68.30	-46.83	100	130	Horizontal	No limit
1	5087.0813	44.73	60.03	15.30	74.00	13.97	100	283	Vertical	/
2	5150.0000	41.60	56.40	14.80	68.30	11.90	100	348	Vertical	/
3	5233.4250	95.63	110.99	15.36	68.30	-42.69	100	322	Vertical	No limit

**IEEE 802.11a mode ANT4**

**Highest Channel**

Frequency 5240MHz

Environment: 23.5°C/47%RH 101.0kPa

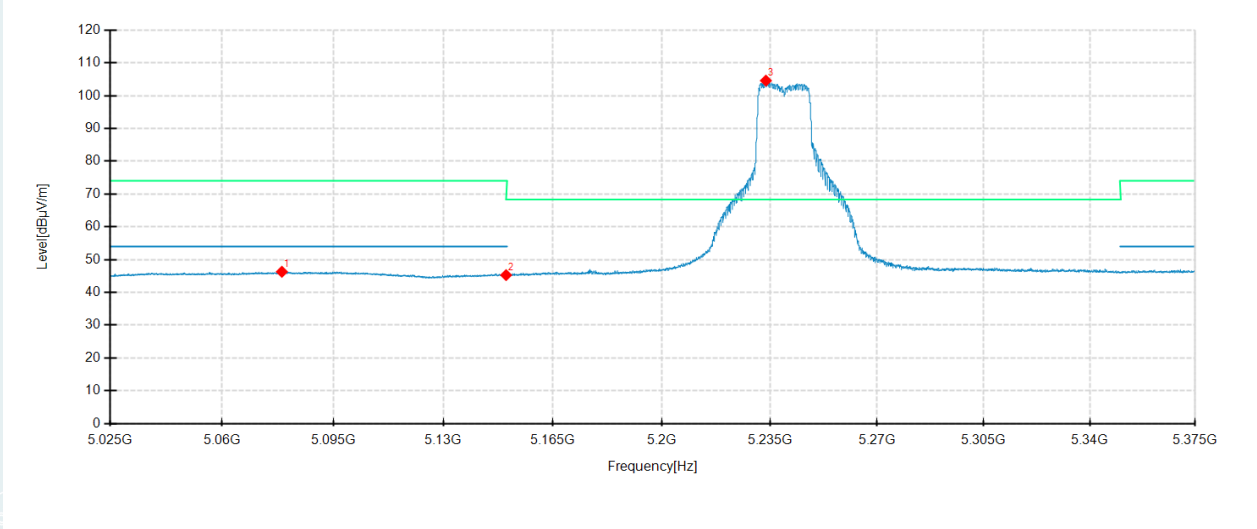
Tested By: Zhang Zishan

Detector mode: Average

Voltage: AC 120V/60Hz

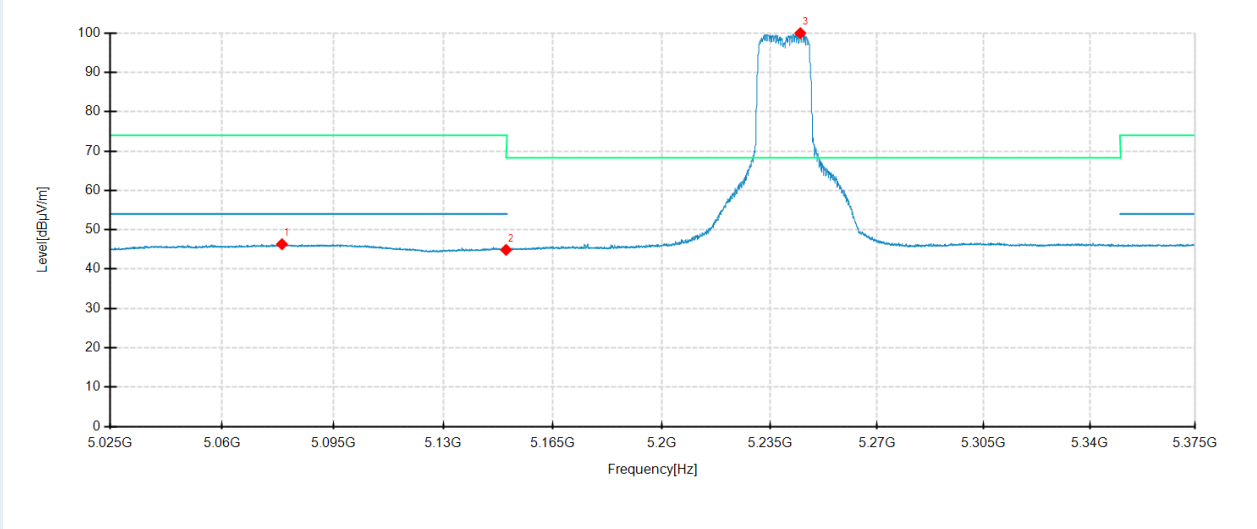
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5078.8125	31.12	46.27	15.15	54.00	7.73	100	51	Horizontal	/
2	5150.0000	30.26	45.26	15.00	54.00	8.74	100	327	Horizontal	/
3	5233.7313	88.85	104.57	15.72	-	-	100	142	Horizontal	No limit
1	5078.8563	31.08	46.33	15.25	54.00	7.67	100	293	Vertical	/
2	5150.0000	30.09	44.89	14.80	54.00	9.11	100	32	Vertical	/
3	5244.9313	84.55	99.99	15.44	-	-	100	19	Vertical	No limit



**IEEE 802.11a mode ANT4**

**Lowest Channel**

Frequency 5745MHz

Environment: 23.5°C/47%RH 101.0kPa

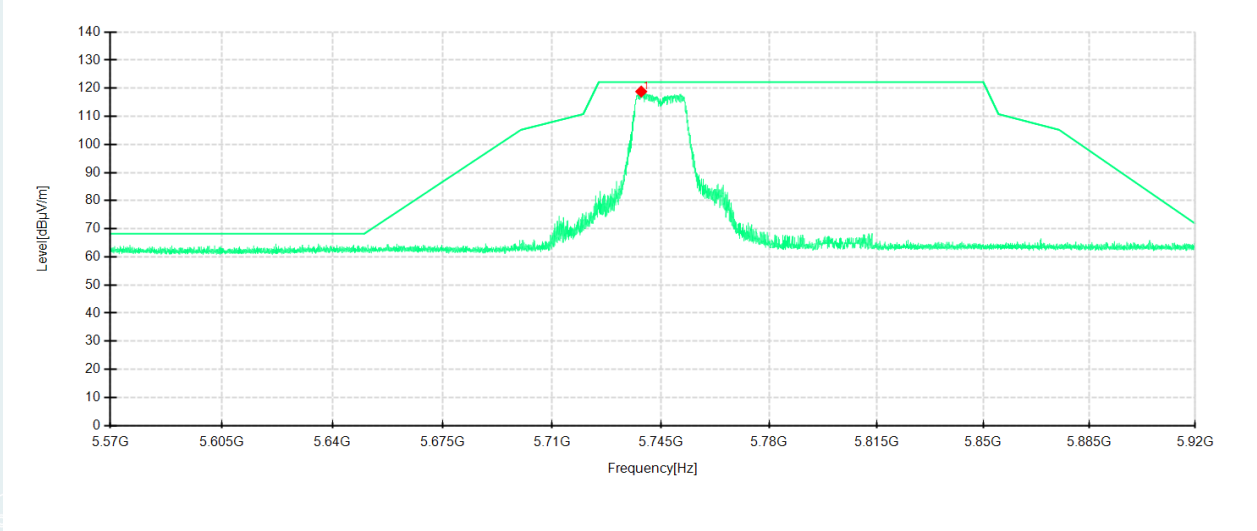
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

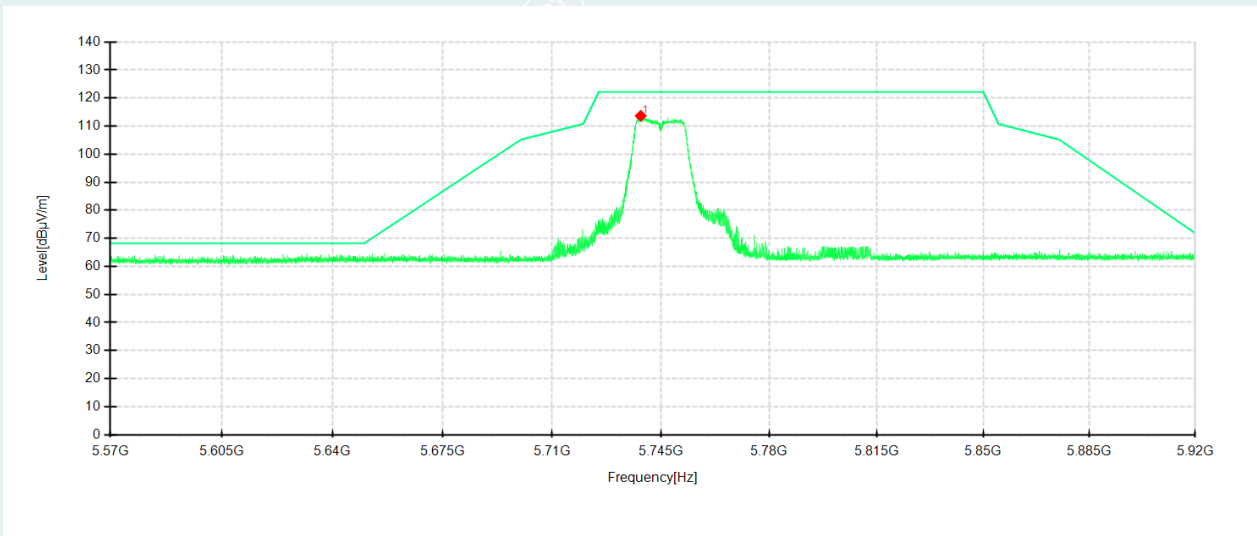
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5738.6650	98.98	118.83	19.85	122.20	3.37	200	130	Horizontal	/
1	5738.4900	93.98	113.66	19.68	122.20	8.54	200	175	Vertical	/

**IEEE 802.11a mode ANT4**

**Lowest Channel**

Frequency 5825MHz

Environment: 23.5°C/47%RH 101.0kPa

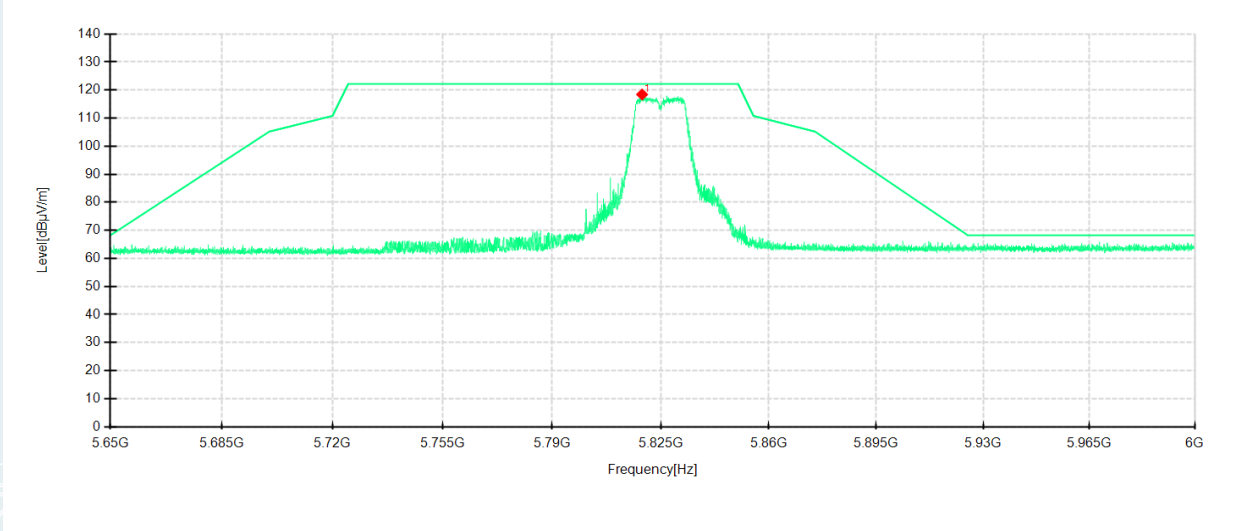
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

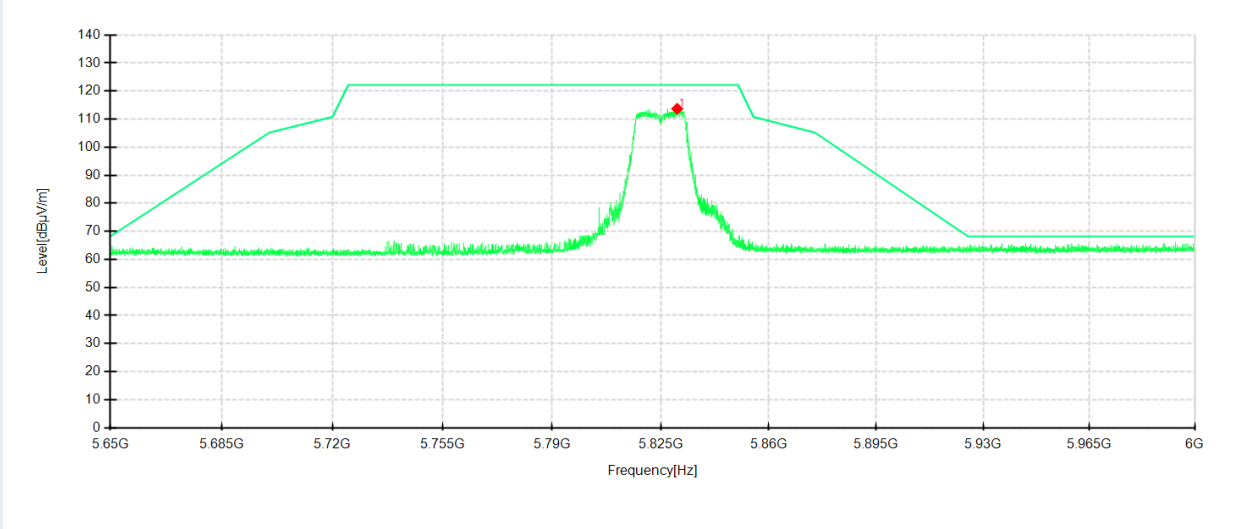
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBµV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5818.9800	97.57	118.43	20.86	122.20	3.77	200	123	Horizontal	/
1	5830.3200	93.06	113.68	20.62	122.20	8.52	100	220	Vertical	/

**IEEE 802.11n HT20 mode ANT4**

**Highest Channel**

Frequency 5180MHz

Environment: 23.5°C/47%RH 101.0kPa

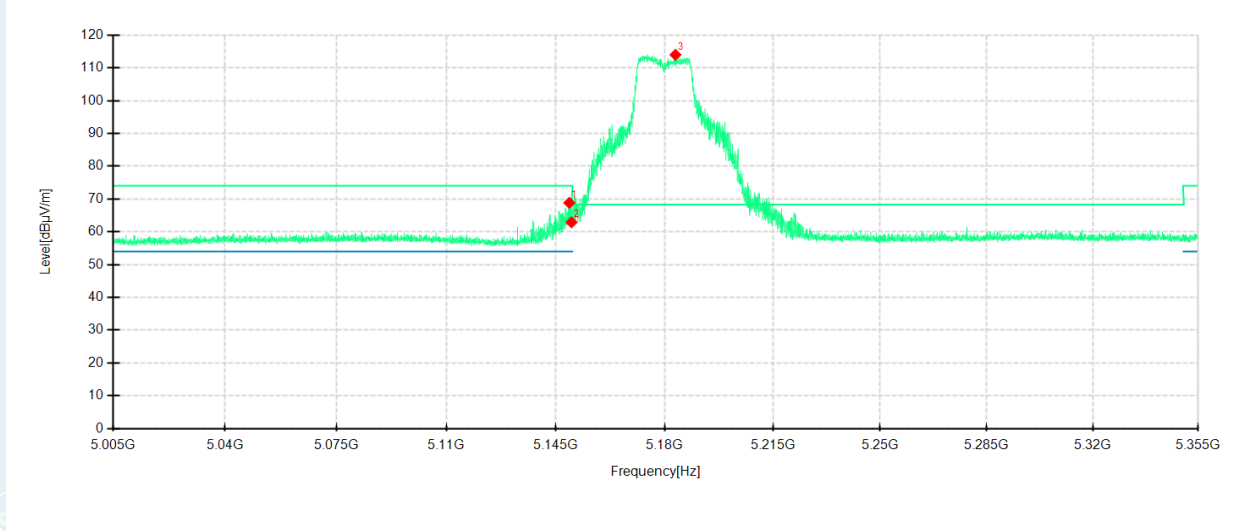
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

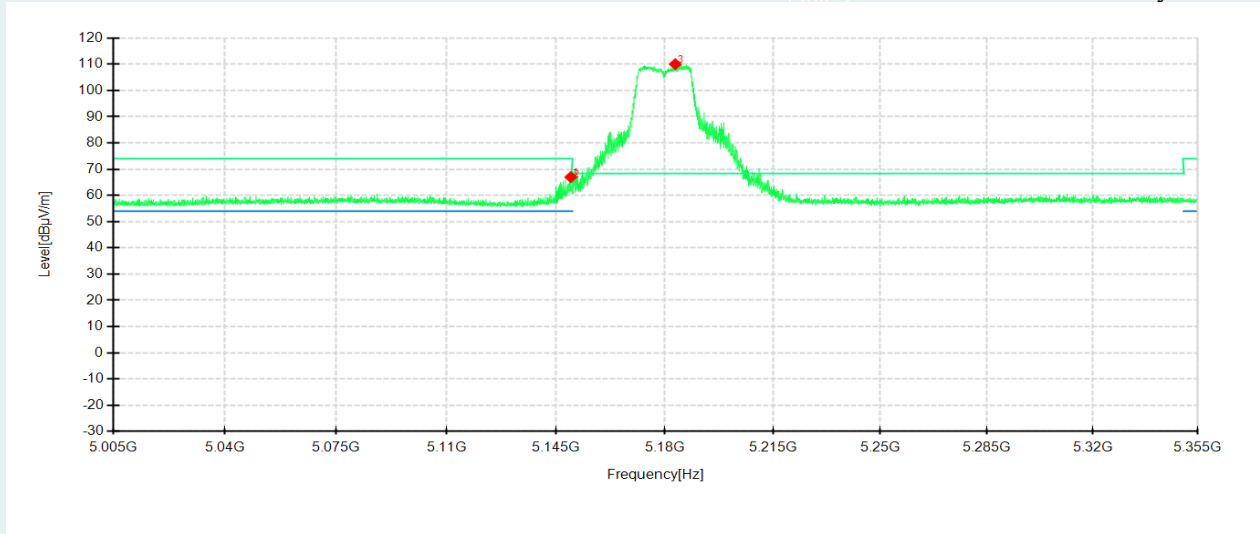
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBµV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5149.2875	53.82	68.82	15.00	74.00	5.18	100	128	Horizontal	/
2	5150.0000	47.90	62.90	15.00	68.30	5.40	100	314	Horizontal	/
3	5183.4563	98.68	113.96	15.28	68.30	-45.66	100	128	Horizontal	No limit
1	5149.7688	52.19	66.99	14.80	74.00	7.01	100	34	Vertical	/
2	5150.0000	51.33	66.13	14.80	68.30	2.17	100	242	Vertical	/
3	5183.4125	95.02	110.04	15.02	68.30	-41.74	100	137	Vertical	No limit

**IEEE 802.11n HT20 mode ANT4**

**Highest Channel**

Frequency 5180MHz

Environment: 23.5°C/47%RH 101.0kPa

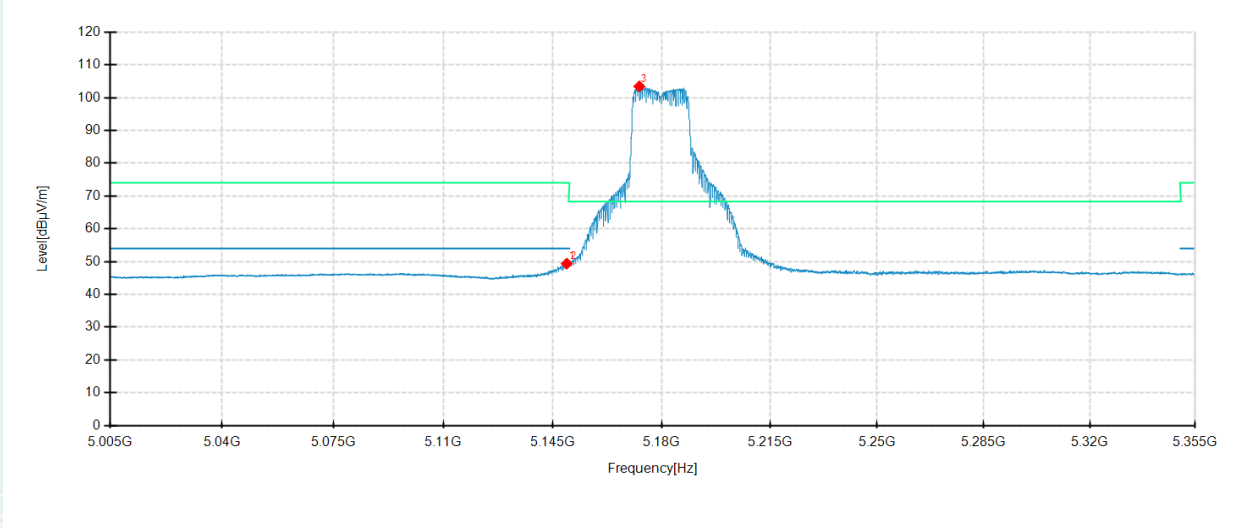
Tested By: Zhang Zishan

Detector mode: Average

Voltage: AC 120V/60Hz

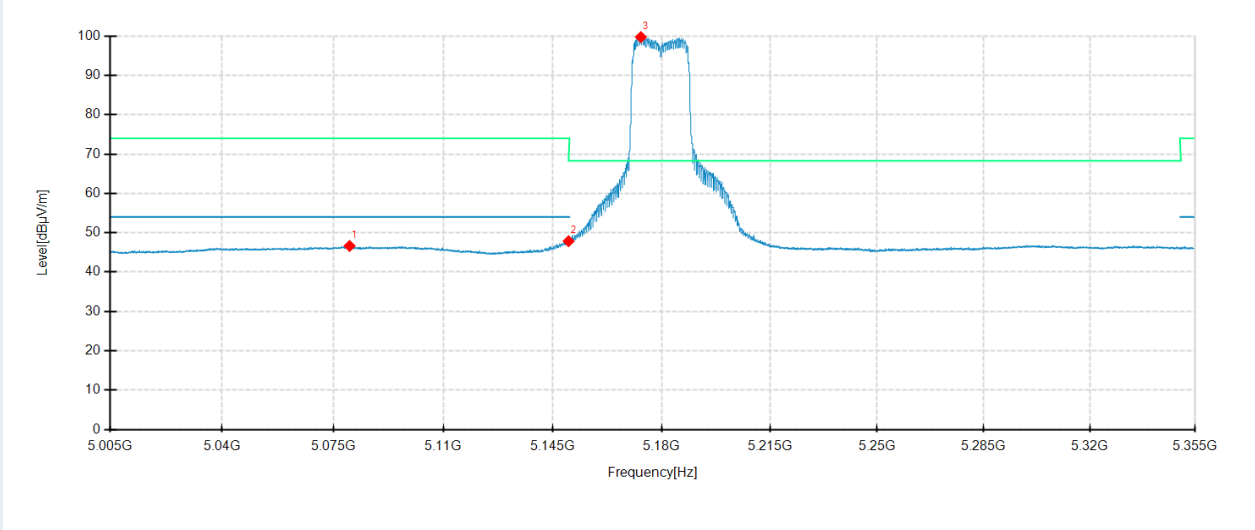
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5149.4188	34.37	49.37	15.00	54.00	4.63	100	194	Horizontal	/
2	5150.0000	34.31	49.31	15.00	54.00	4.69	100	194	Horizontal	/
3	5172.7813	88.23	103.42	15.19	-	-	100	143	Horizontal	No limit
1	5080.2063	31.39	46.65	15.26	54.00	7.35	100	255	Vertical	/
2	5150.0000	33.05	47.85	14.80	54.00	6.15	100	136	Vertical	/
3	5173.2625	84.77	99.73	14.96	-	-	100	136	Vertical	No limit

**IEEE 802.11n HT20 mode ANT4**

**Lowest Channel**

Frequency 5240MHz

Environment: 23.5°C/47%RH 101.0kPa

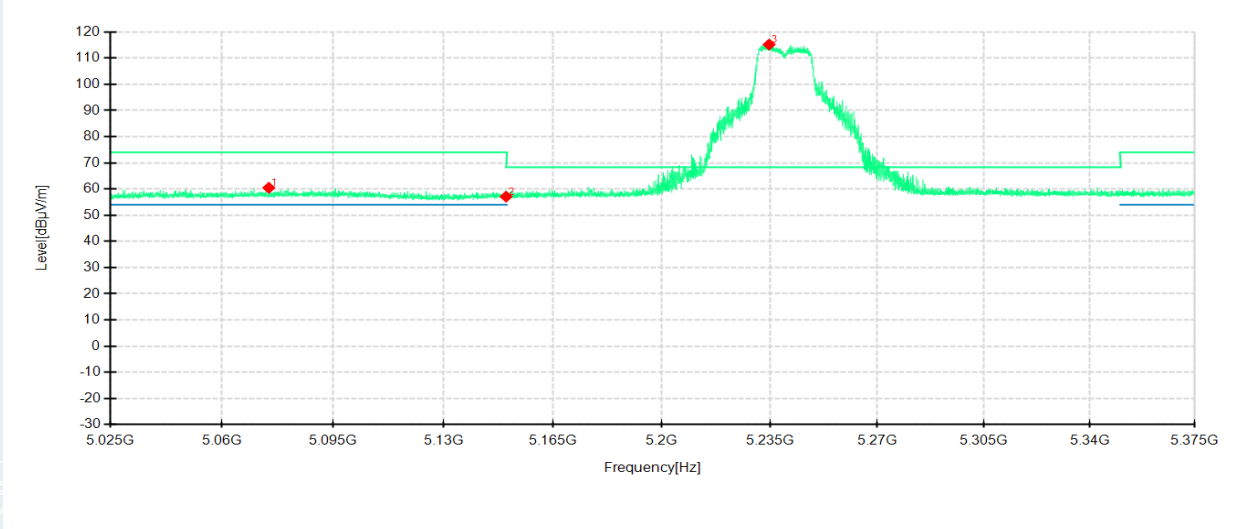
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

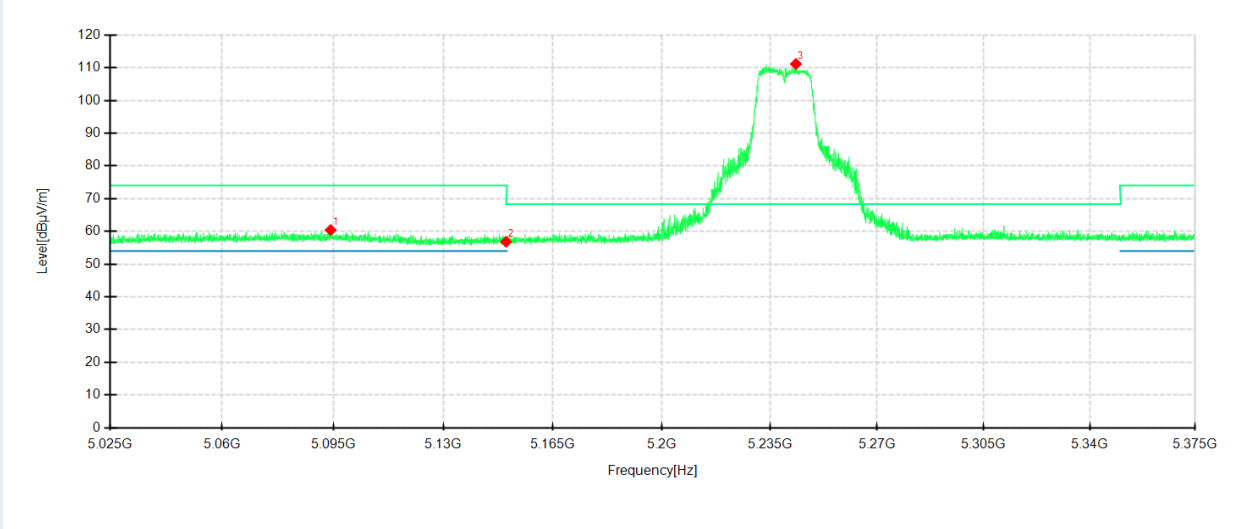
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBµV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5074.7000	45.37	60.49	15.12	74.00	13.51	100	21	Horizontal	/
2	5150.0000	42.11	57.11	15.00	68.30	11.19	100	205	Horizontal	/
3	5234.7813	99.46	115.20	15.74	68.30	-46.90	100	140	Horizontal	No limit
1	5094.2125	45.05	60.40	15.35	74.00	13.60	100	25	Vertical	/
2	5150.0000	42.01	56.81	14.80	68.30	11.49	100	36	Vertical	/
3	5243.4875	95.71	111.14	15.43	68.30	-42.84	100	313	Vertical	No limit

**IEEE 802.11n HT20 mode ANT4**

**Lowest Channel**

Frequency 5240MHz

Environment: 23.5°C/47%RH 101.0kPa

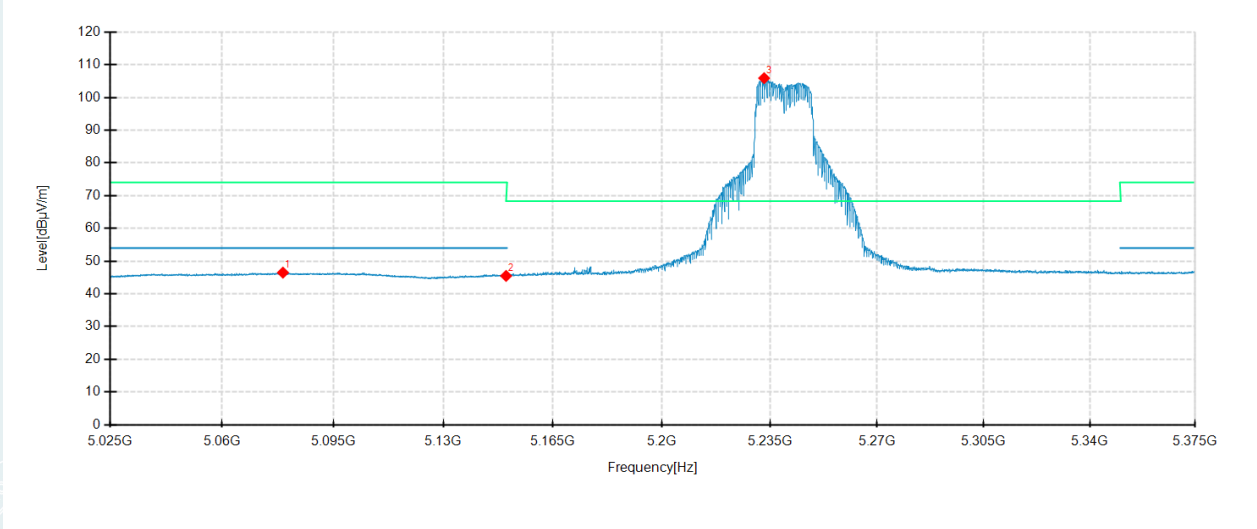
Tested By: Zhang Zishan

Detector mode: Average

Voltage: AC 120V/60Hz

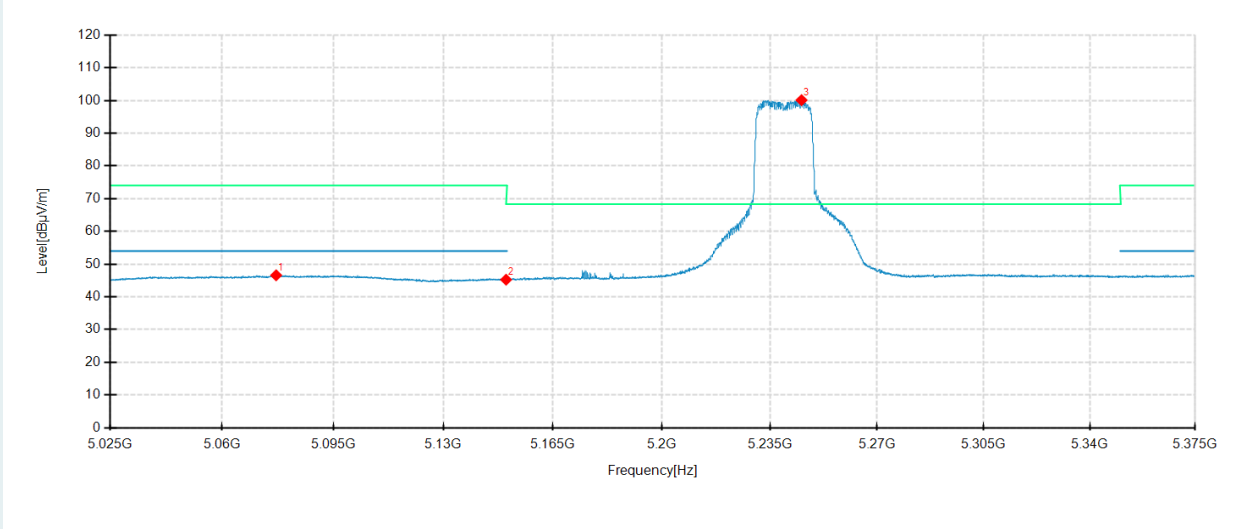
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBµV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5079.1625	31.31	46.46	15.15	54.00	7.54	100	177	Horizontal	/
2	5150.0000	30.47	45.47	15.00	54.00	8.53	100	189	Horizontal	/
3	5233.1625	90.18	105.90	15.72	-	-	100	136	Horizontal	No limit
1	5077.0188	31.33	46.57	15.24	54.00	7.43	100	141	Vertical	/
2	5150.0000	30.43	45.23	14.80	54.00	8.77	100	339	Vertical	/
3	5245.3250	84.65	100.09	15.44	-	-	100	11	Vertical	No limit

**IEEE 802.11n HT20 mode ANT4**

**Highest Channel**

Frequency 5745MHz

Environment: 23.5°C/47%RH 101.0kPa

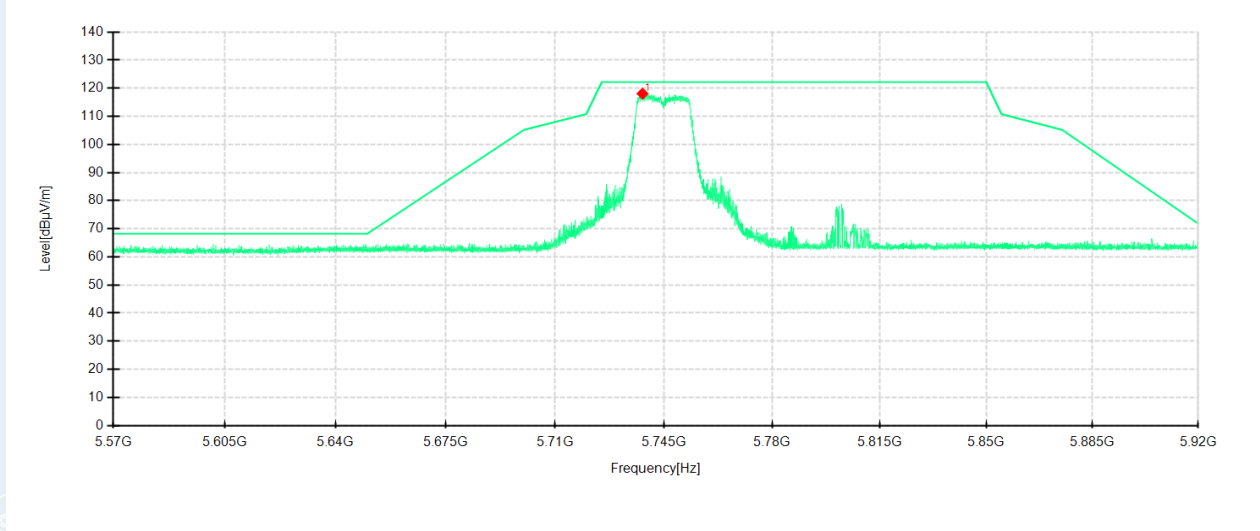
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

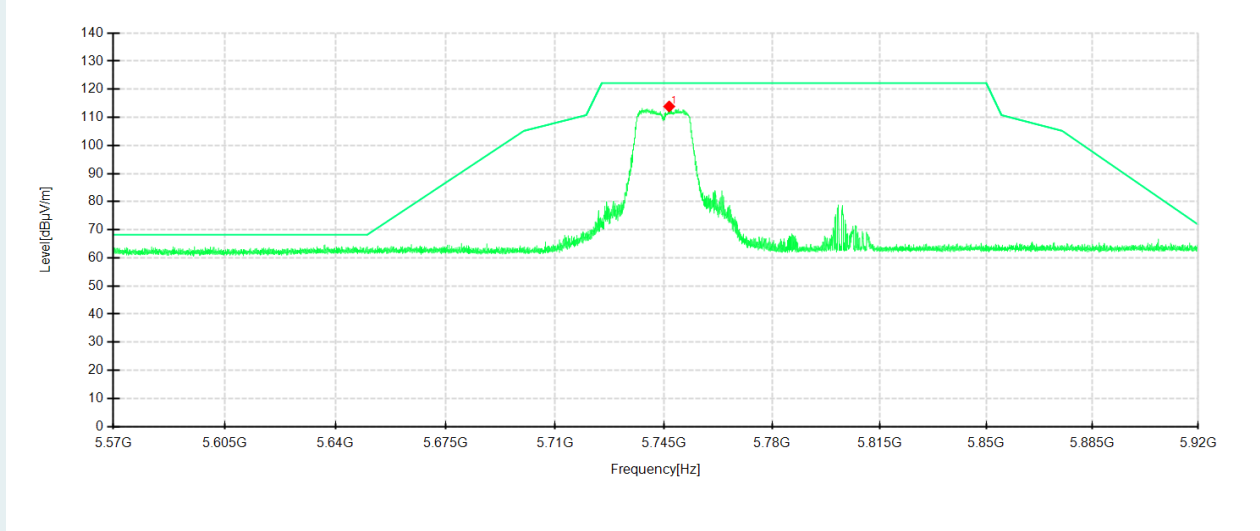
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5738.1050	98.23	118.08	19.85	122.20	4.12	200	129	Horizontal	/
1	5746.7150	94.23	113.88	19.65	122.20	8.32	200	178	Vertical	/

**IEEE 802.11n HT20 mode ANT4**

**Highest Channel**

Frequency 5825MHz

Environment: 23.5°C/47%RH 101.0kPa

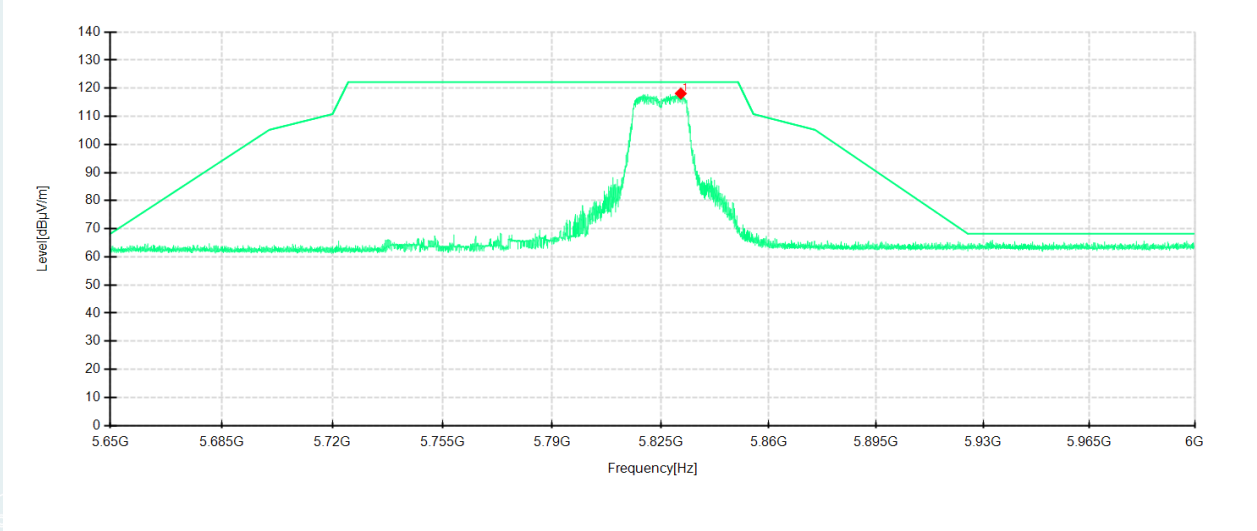
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

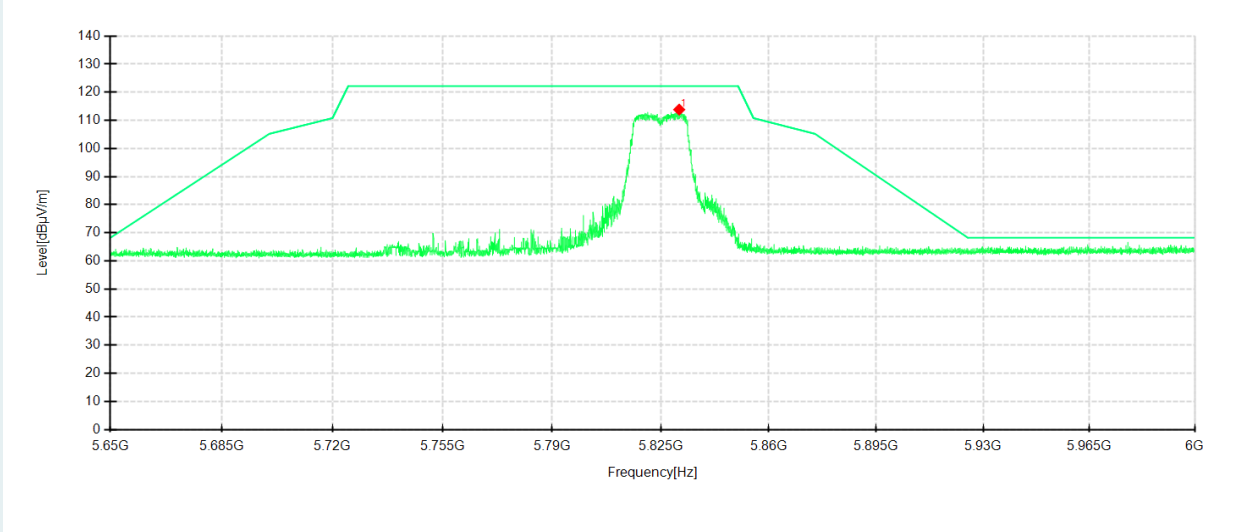
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5831.4750	97.17	118.13	20.96	122.20	4.07	200	123	Horizontal	/
1	5830.9500	93.20	113.82	20.62	122.20	8.38	100	219	Vertical	/



**IEEE 802.11n HT40 mode ANT4**

**Lowest Channel**

Frequency 5190MHz

Environment: 23.5°C/47%RH 101.0kPa

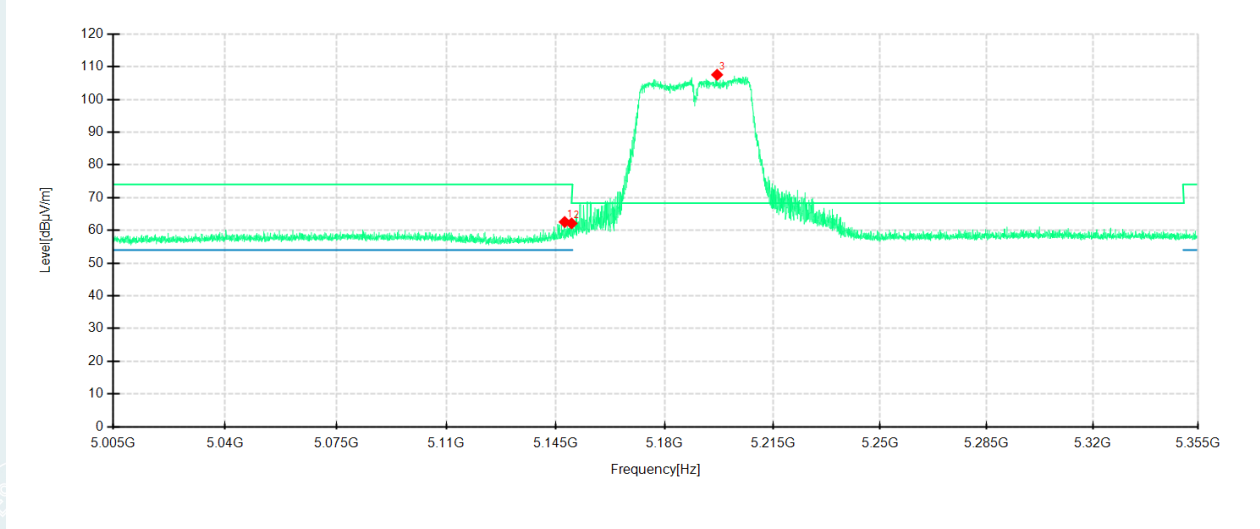
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

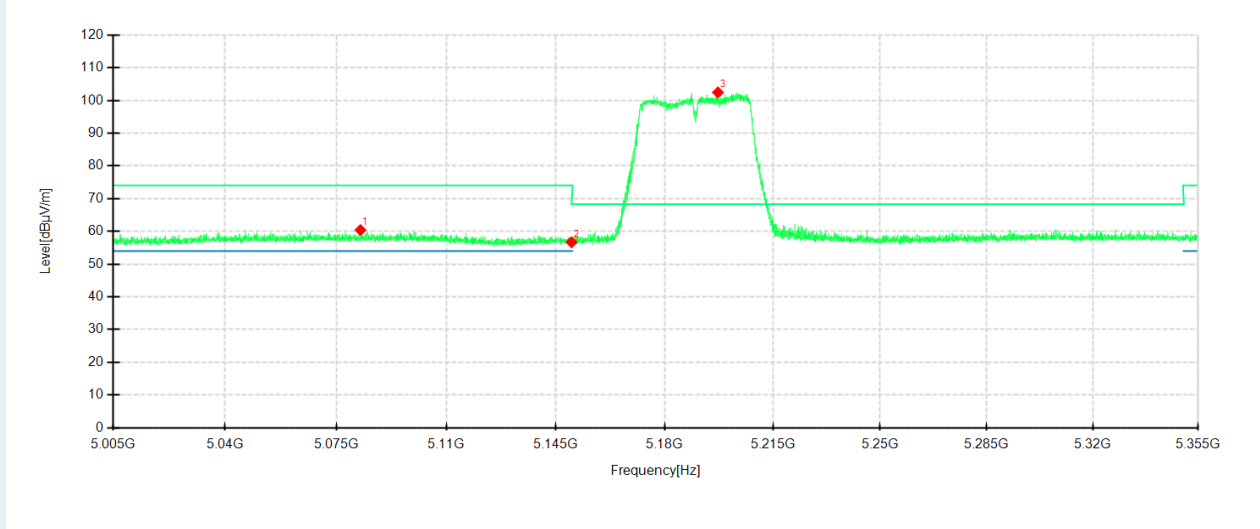
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBµV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5147.8000	47.54	62.55	15.01	74.00	11.45	100	138	Horizontal	/
2	5150.0000	47.12	62.12	15.00	68.30	6.18	100	138	Horizontal	/
3	5196.9313	92.12	107.53	15.41	68.30	-39.23	100	138	Horizontal	No limit
1	5082.7000	45.11	60.39	15.28	74.00	13.61	100	301	Vertical	/
2	5150.0000	41.87	56.67	14.80	68.30	11.63	100	338	Vertical	/
3	5197.1938	87.35	102.46	15.11	68.30	-34.16	100	314	Vertical	No limit

**IEEE 802.11n HT40 mode ANT4**

**Lowest Channel**

Frequency 5190MHz

Environment: 23.5°C/47%RH 101.0kPa

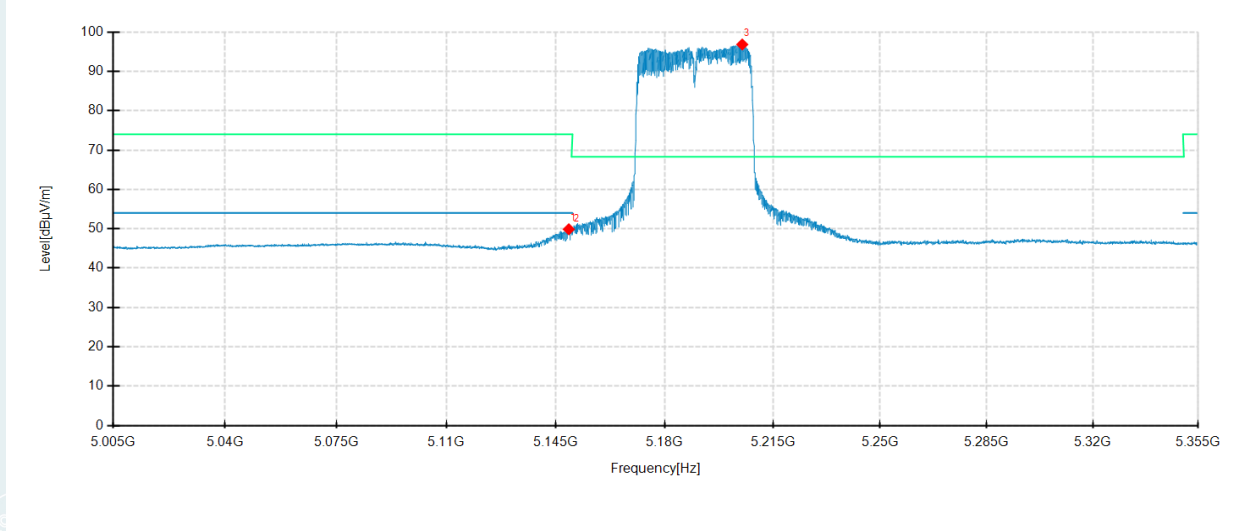
Tested By: Zhang Zishan

Detector mode: Average

Voltage: AC 120V/60Hz

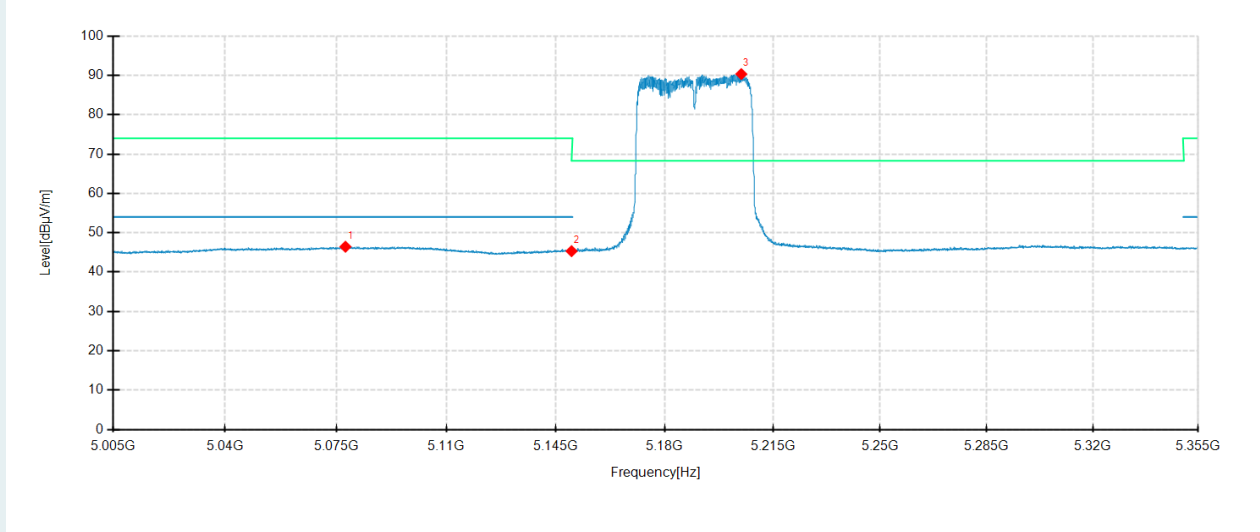
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5149.1125	34.87	49.87	15.00	54.00	4.13	100	136	Horizontal	/
2	5150.0000	34.71	49.71	15.00	54.00	4.29	100	136	Horizontal	/
3	5205.0688	81.37	96.84	15.47	-	-	100	136	Horizontal	No limit
1	5077.9313	31.21	46.45	15.24	54.00	7.55	100	170	Vertical	/
2	5150.0000	30.53	45.33	14.80	54.00	8.67	100	341	Vertical	/
3	5204.7625	75.18	90.34	15.16	-	-	100	144	Vertical	No limit

**IEEE 802.11n HT40 mode ANT4**

**Highest Channel**

Frequency 5230MHz

Environment: 23.5°C/47%RH 101.0kPa

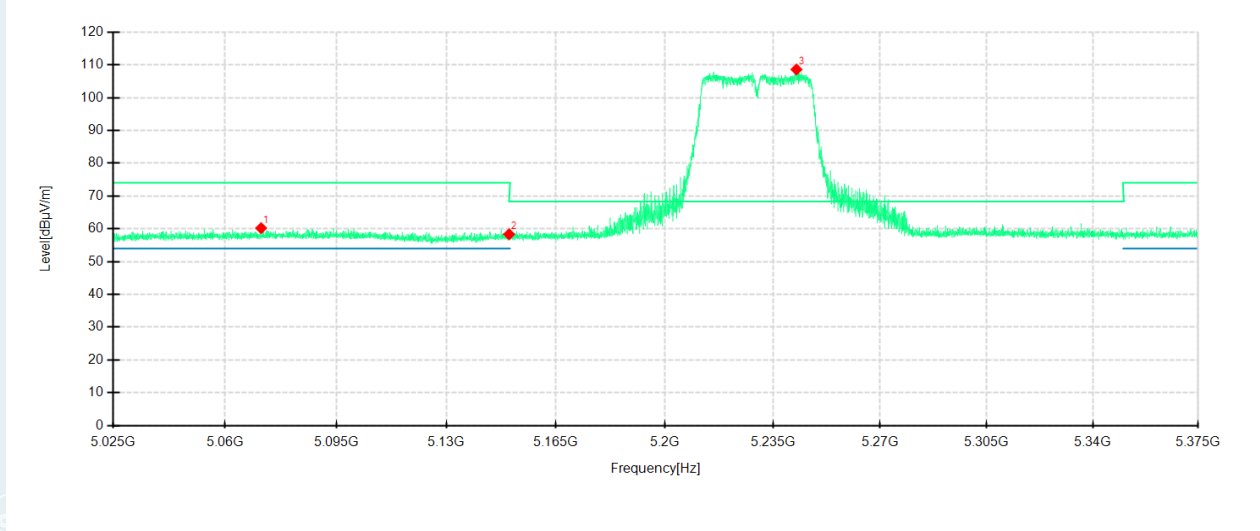
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

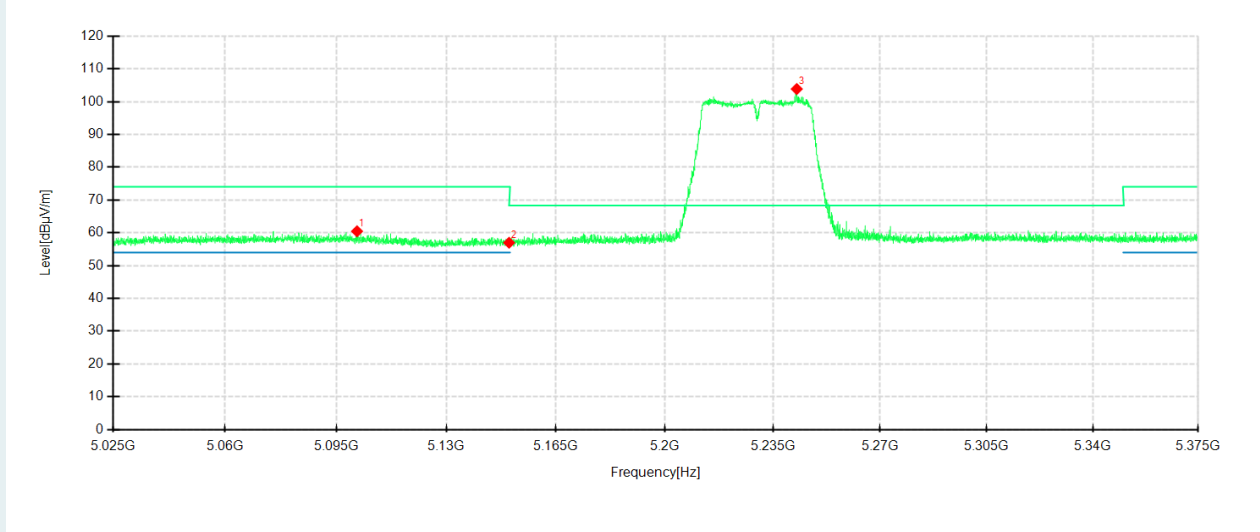
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5071.3313	45.09	60.19	15.10	74.00	13.81	100	136	Horizontal	/
2	5150.0000	43.31	58.31	15.00	68.30	9.99	100	96	Horizontal	/
3	5242.7000	92.78	108.58	15.80	68.30	-40.28	100	136	Horizontal	No limit
1	5101.6063	45.08	60.45	15.37	74.00	13.55	100	327	Vertical	/
2	5150.0000	42.16	56.96	14.80	68.30	11.34	100	118	Vertical	/
3	5242.7875	88.42	103.84	15.42	68.30	-35.54	100	2	Vertical	No limit

**IEEE 802.11n HT40 mode ANT4**

**Highest Channel**

Frequency 5230MHz

Environment: 23.5°C/47%RH 101.0kPa

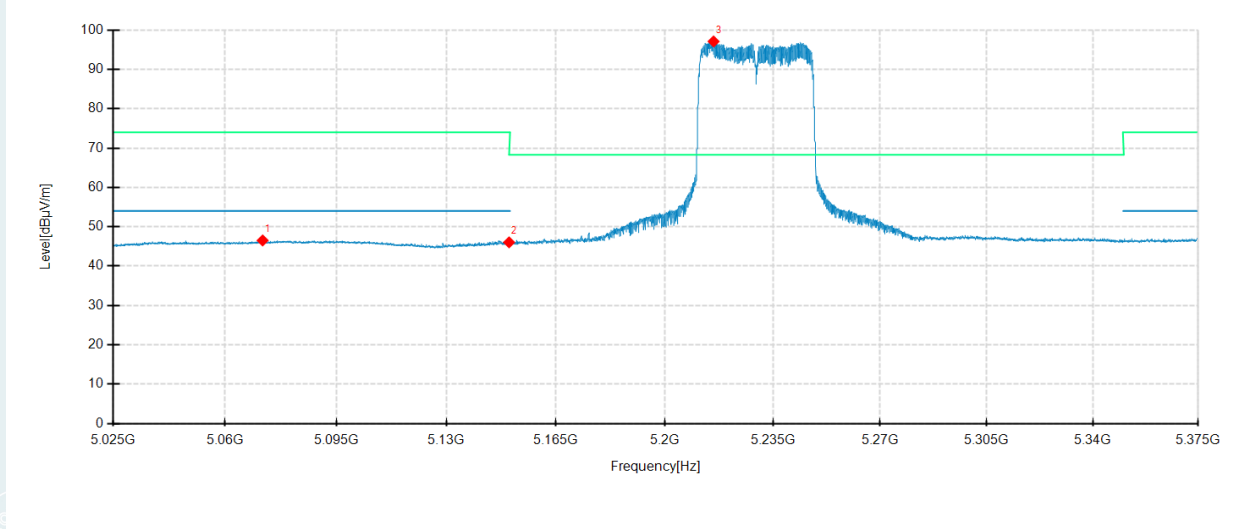
Tested By: Zhang Zishan

Detector mode: Average

Voltage: AC 120V/60Hz

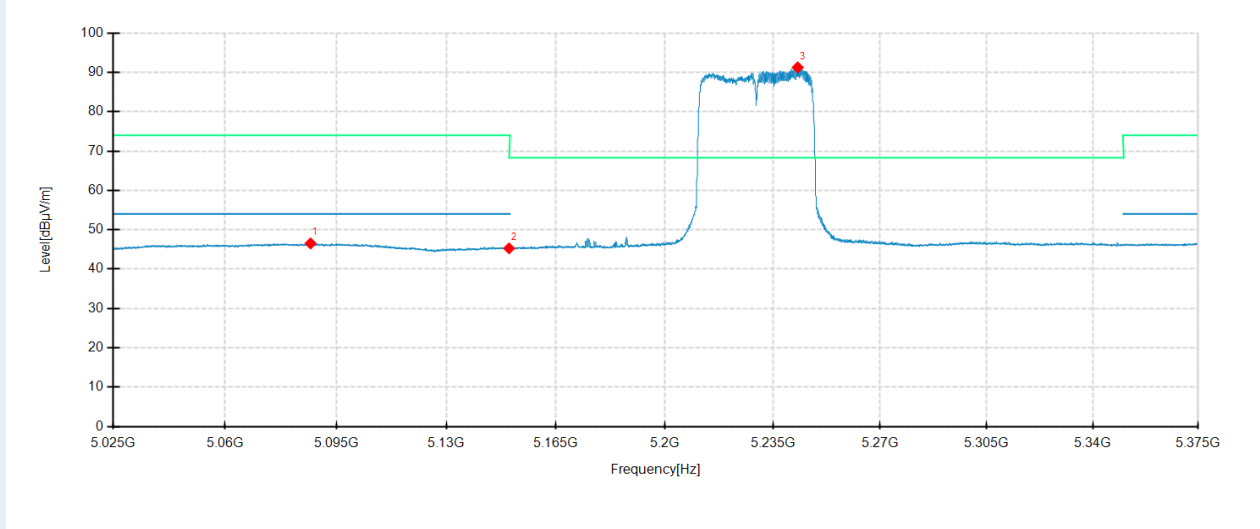
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBµV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5071.8125	31.42	46.52	15.10	54.00	7.48	100	191	Horizontal	/
2	5150.0000	31.04	46.04	15.00	54.00	7.96	100	138	Horizontal	/
3	5215.7938	81.54	97.11	15.57	-	-	100	138	Horizontal	No limit
1	5086.9063	31.23	46.53	15.30	54.00	7.47	100	233	Vertical	/
2	5150.0000	30.48	45.28	14.80	54.00	8.72	100	273	Vertical	/
3	5243.0938	75.84	91.27	15.43	-	-	100	1	Vertical	No limit

**IEEE 802.11n HT40 mode ANT4**

**Lowest Channel**

Frequency 5755MHz

Environment: 23.5°C/47%RH 101.0kPa

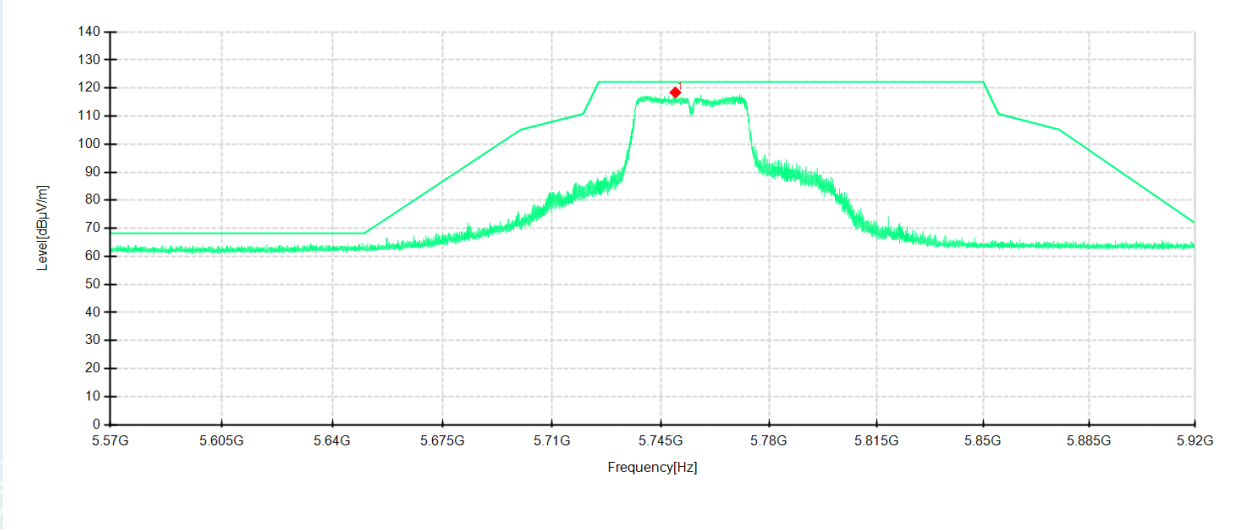
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

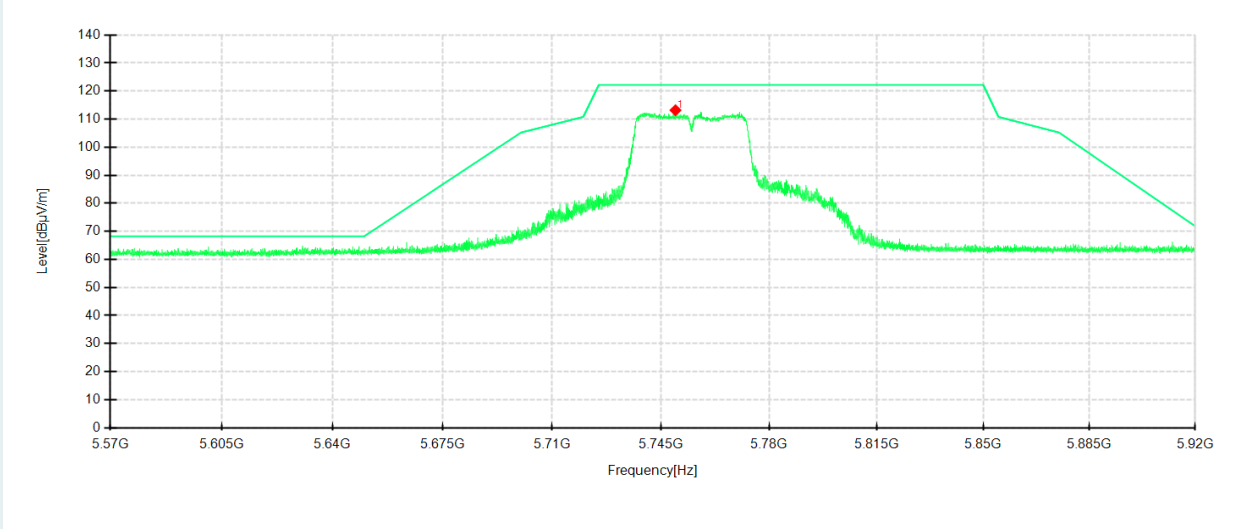
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBµV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5749.6900	98.59	118.44	19.85	122.20	3.76	200	123	Horizontal	/
1	5749.7250	93.53	113.18	19.65	122.20	9.02	100	219	Vertical	/

**IEEE 802.11n HT40 mode ANT4**

**Lowest Channel**

Frequency 5795MHz

Environment: 23.5°C/47%RH 101.0kPa

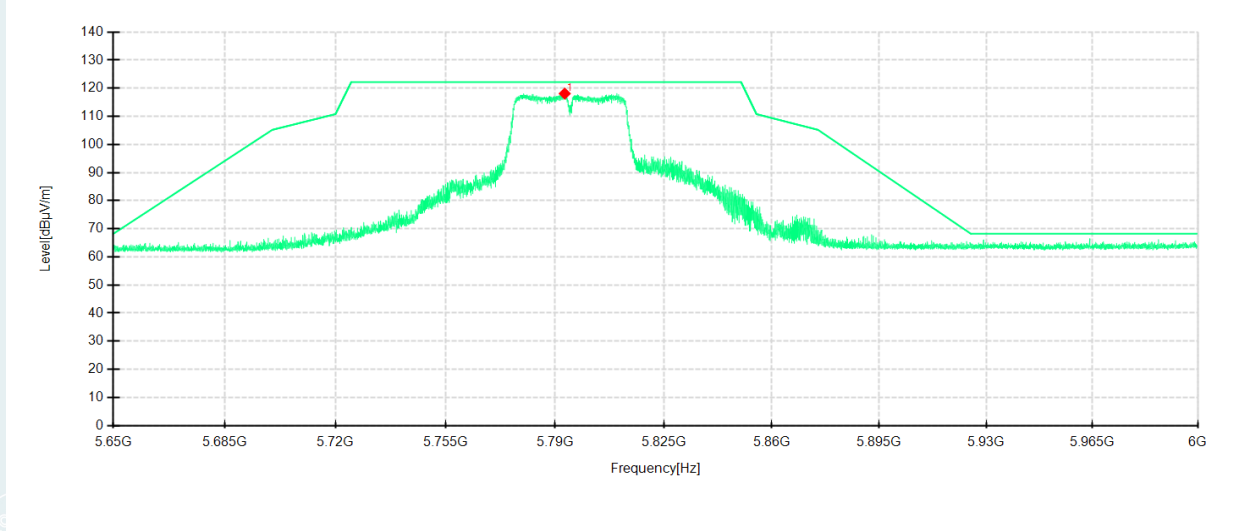
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

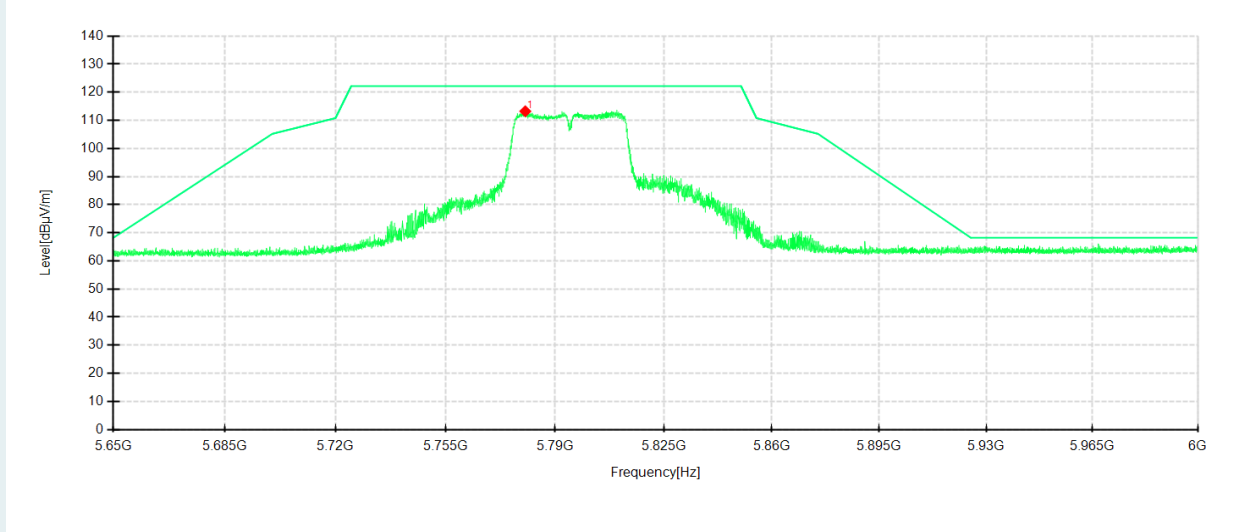
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5793.1150	97.53	118.10	20.57	122.20	4.10	200	124	Horizontal	/
1	5780.4800	93.19	113.23	20.04	122.20	8.97	200	181	Vertical	/

**IEEE 802.11ac VHT20 mode ANT4**

**Highest Channel**

Frequency 5180MHz

Environment: 23.5°C/47%RH 101.0kPa

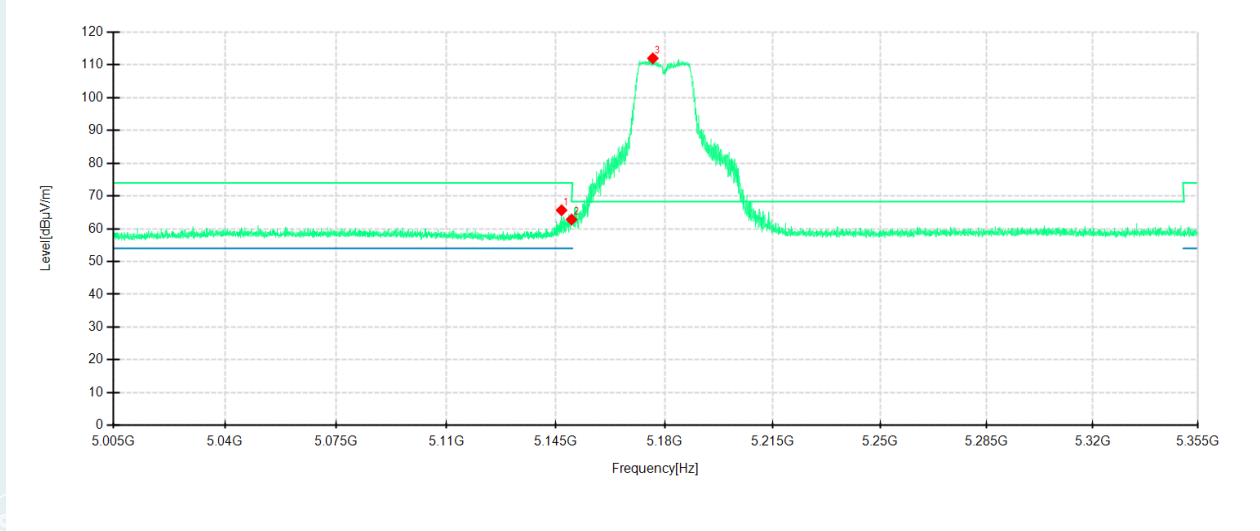
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

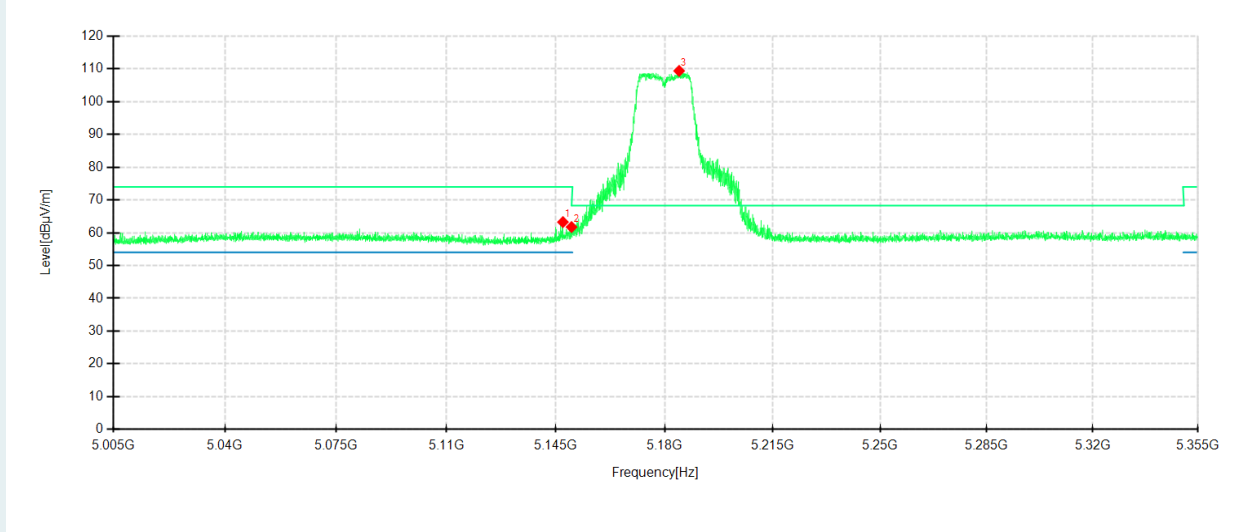
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5146.7938	50.63	65.65	15.02	74.00	8.35	100	137	Horizontal	/
2	5150.0000	47.81	62.81	15.00	68.30	5.49	100	196	Horizontal	/
3	5176.1500	96.75	111.98	15.23	68.30	-43.68	100	137	Horizontal	No limit
1	5147.2313	48.43	63.26	14.83	74.00	10.74	100	76	Vertical	/
2	5150.0000	46.94	61.74	14.80	68.30	6.56	100	251	Vertical	/
3	5184.6375	94.33	109.36	15.03	68.30	-41.06	100	76	Vertical	No limit

**IEEE 802.11ac VHT20 mode ANT4**

**Highest Channel**

Frequency 5180MHz

Environment: 23.5°C/47%RH 101.0kPa

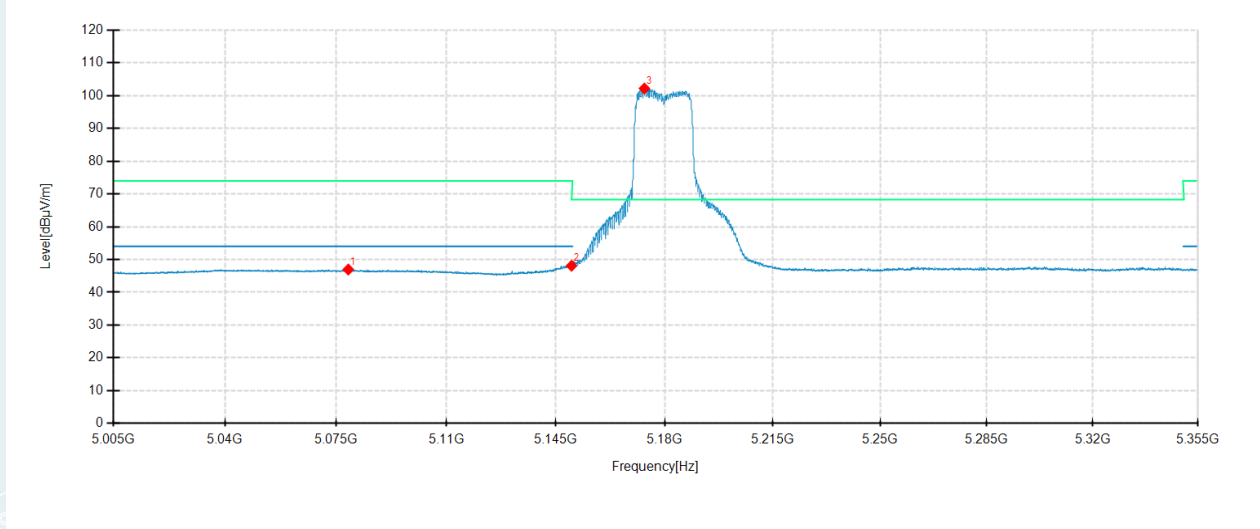
Tested By: Zhang Zishan

Detector mode: Average

Voltage: AC 120V/60Hz

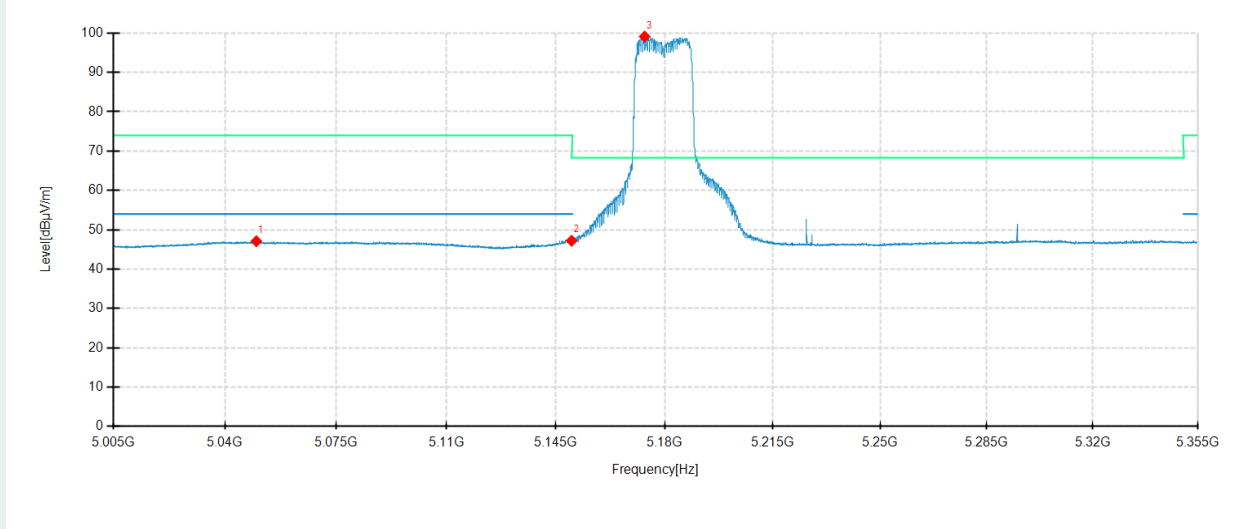
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBµV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5078.8500	31.81	46.96	15.15	54.00	7.04	100	298	Horizontal	/
2	5150.0000	33.11	48.11	15.00	54.00	5.89	100	196	Horizontal	/
3	5173.4375	86.97	102.17	15.20	-	-	100	196	Horizontal	No limit
1	5049.8438	32.03	47.09	15.06	54.00	6.91	100	165	Vertical	/
2	5150.0000	32.41	47.21	14.80	54.00	6.79	100	77	Vertical	/
3	5173.5250	84.15	99.11	14.96	-	-	100	77	Vertical	No limit



**IEEE 802.11ac VHT20 mode ANT4**

**Lowest Channel**

Frequency 5240MHz

Environment: 23.5°C/47%RH 101.0kPa

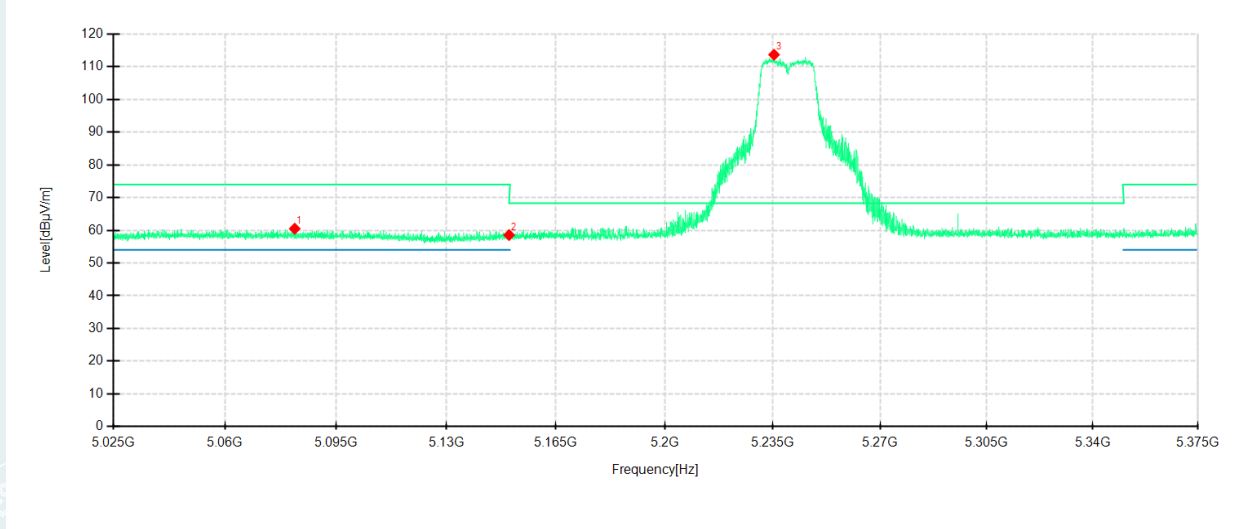
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

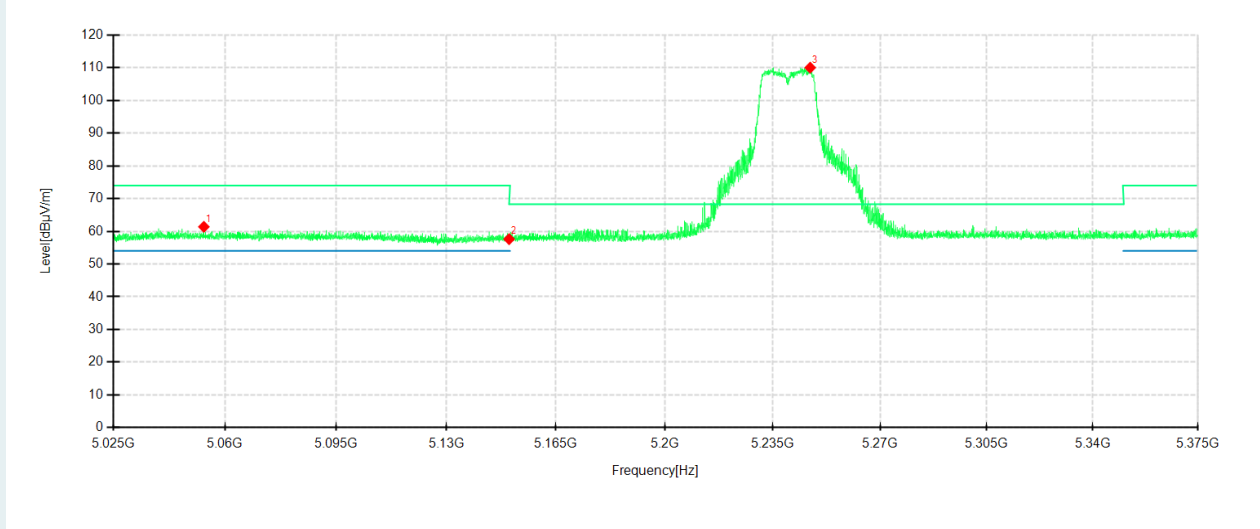
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5081.9188	45.33	60.50	15.17	74.00	13.50	100	284	Horizontal	/
2	5150.0000	43.57	58.57	15.00	68.30	9.73	100	166	Horizontal	/
3	5235.3938	97.92	113.66	15.74	68.30	-45.36	100	198	Horizontal	No limit
1	5053.3500	46.30	61.38	15.08	74.00	12.62	100	19	Vertical	/
2	5150.0000	42.82	57.62	14.80	68.30	10.68	100	0	Vertical	/
3	5247.1625	94.56	110.01	15.45	68.30	-41.71	100	77	Vertical	No limit

**IEEE 802.11ac VHT20 mode ANT4**

**Highest Channel**

Frequency 5240MHz

Environment: 23.5°C/47%RH 101.0kPa

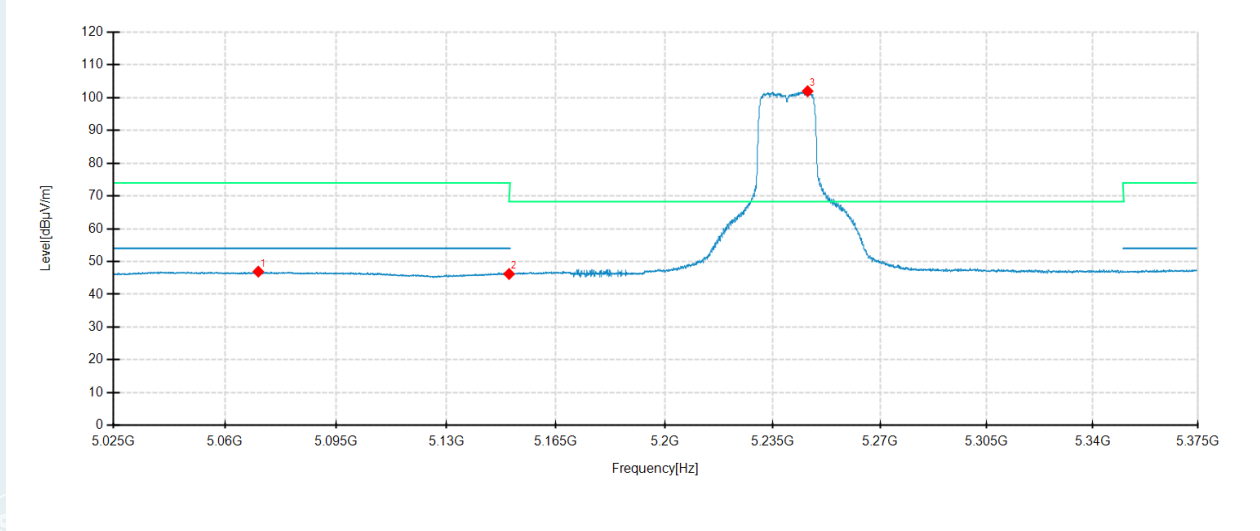
Tested By: Zhang Zishan

Detector mode: Average

Voltage: AC 120V/60Hz

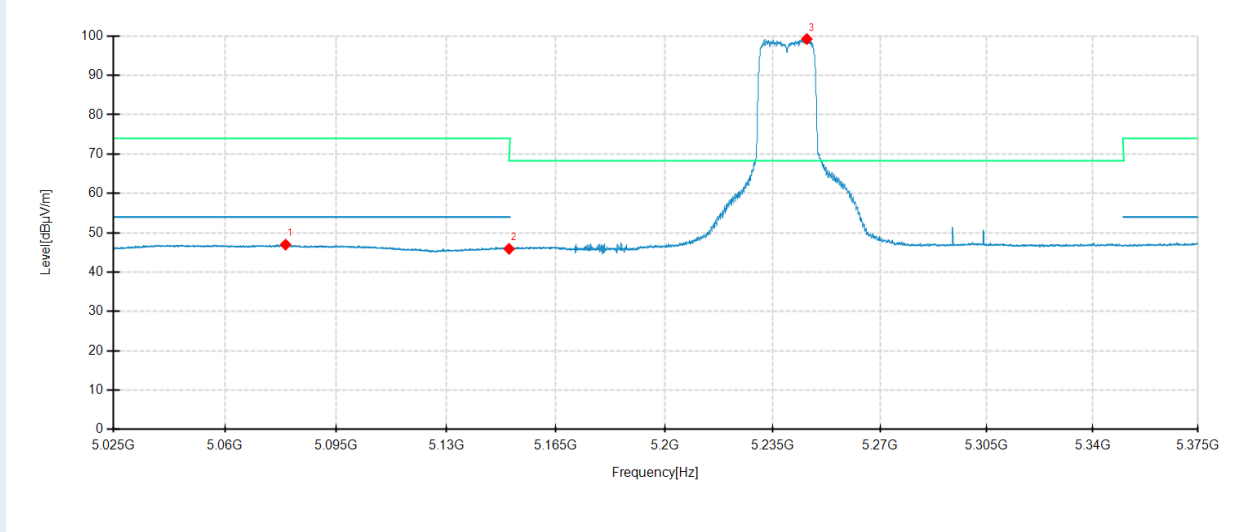
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5070.4563	31.82	46.92	15.10	54.00	7.08	100	208	Horizontal	/
2	5150.0000	31.22	46.22	15.00	54.00	7.78	100	353	Horizontal	/
3	5246.3313	86.12	101.96	15.84	-	-	100	194	Horizontal	No limit
1	5079.0313	31.73	46.98	15.25	54.00	7.02	100	91	Vertical	/
2	5150.0000	31.12	45.92	14.80	54.00	8.08	100	149	Vertical	/
3	5246.0688	83.79	99.24	15.45	-	-	100	253	Vertical	No limit

**IEEE 802.11ac VHT20 mode ANT4**

**Highest Channel**

Frequency 5745MHz

Environment: 23.5°C/47%RH 101.0kPa

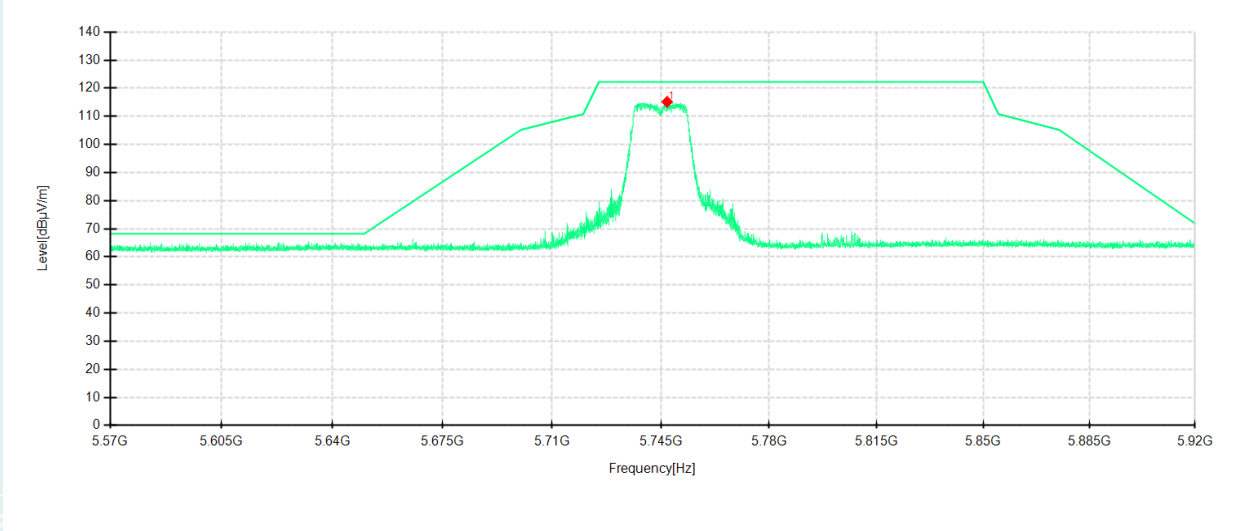
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

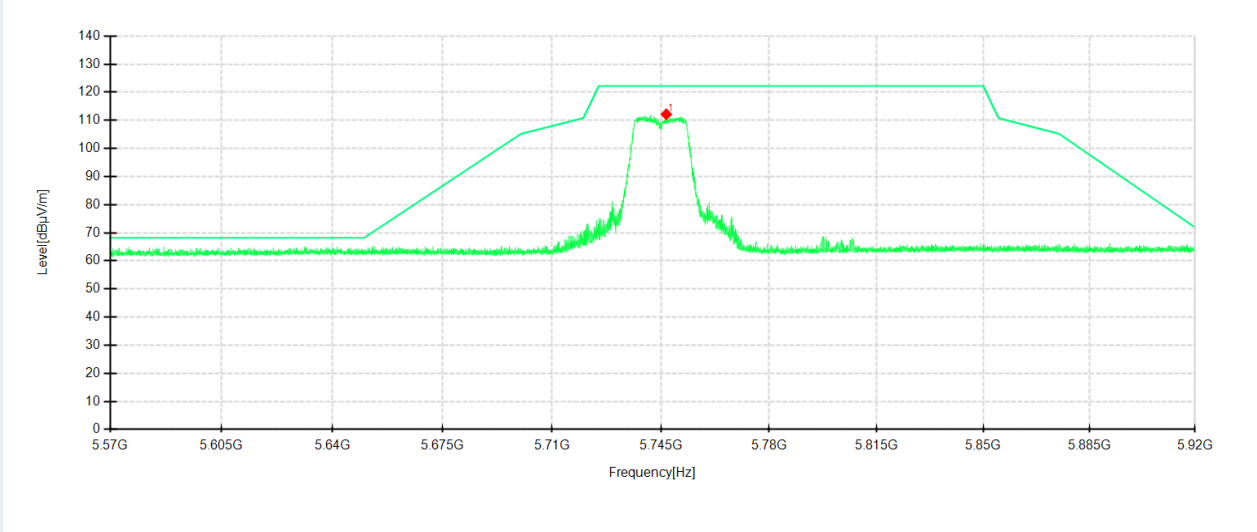
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5747.0300	95.31	115.16	19.85	122.20	7.04	200	128	Horizontal	/
1	5746.7500	92.50	112.15	19.65	122.20	10.05	100	235	Vertical	/

**IEEE 802.11ac VHT20 mode ANT4**

**Highest Channel**

Frequency 5825MHz

Environment: 23.5°C/47%RH 101.0kPa

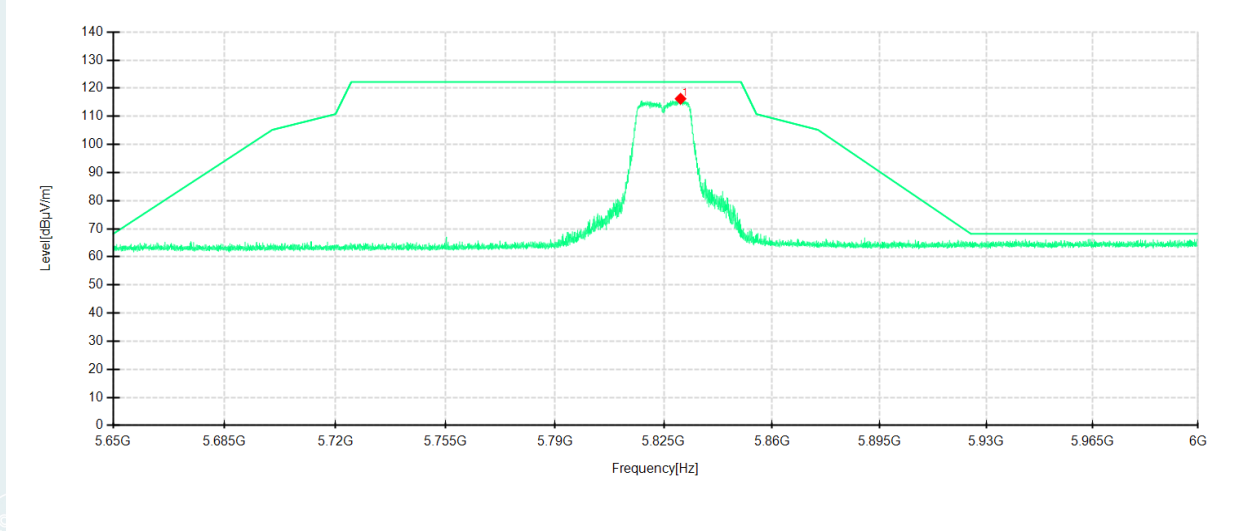
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

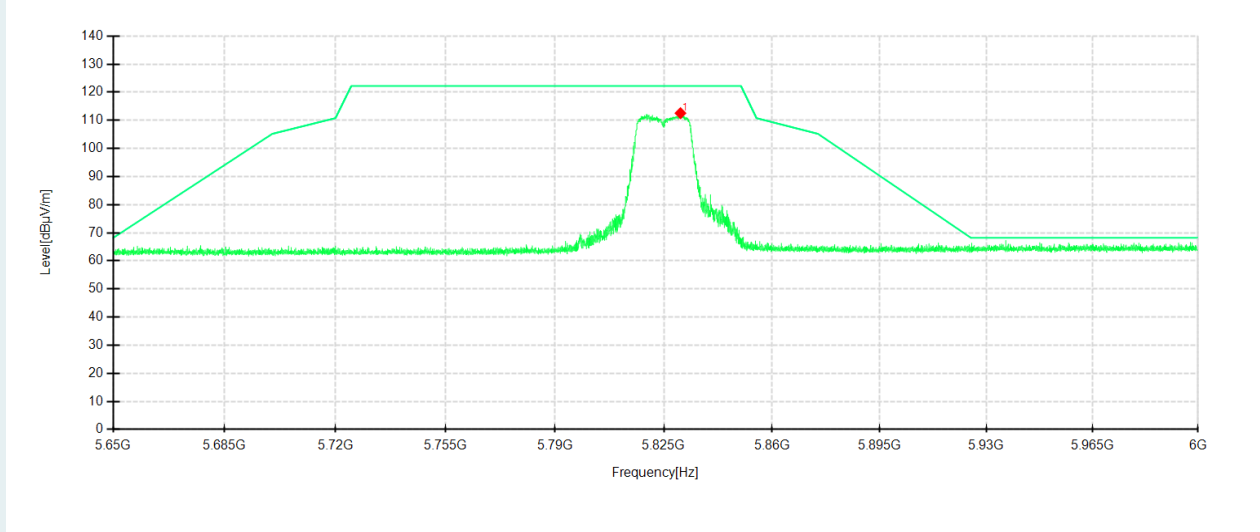
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5830.4250	95.30	116.26	20.96	122.20	5.94	200	197	Horizontal	/
1	5830.3900	91.94	112.56	20.62	122.20	9.64	200	176	Vertical	/

**IEEE 802.11ac VHT40 mode ANT4  
Highest Channel**

Frequency 5190MHz

Environment: 23.5°C/47%RH 101.0kPa

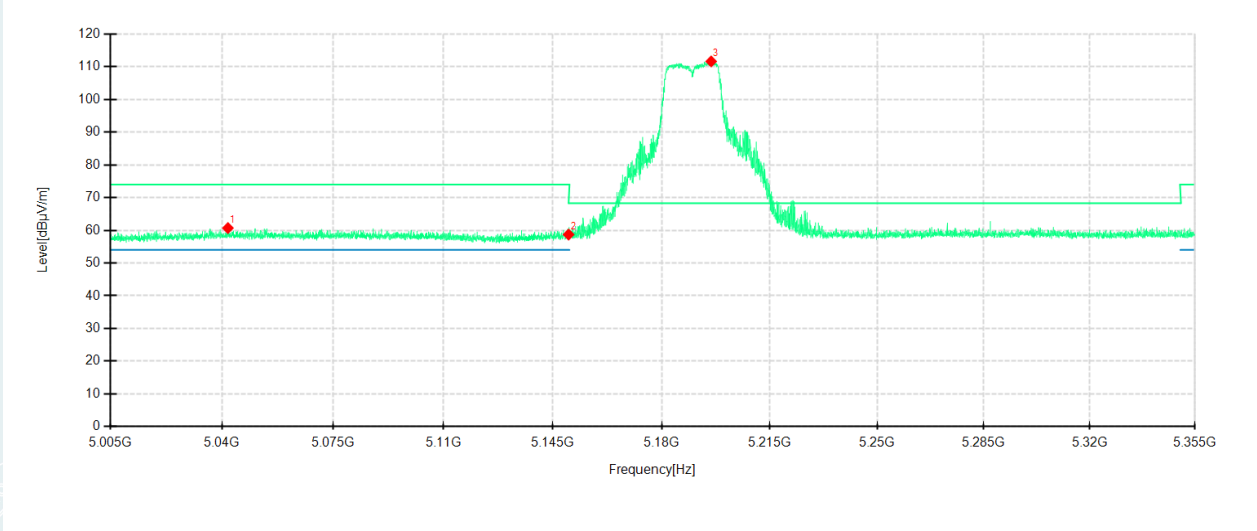
Tested By: Zhang Zishan

Detector mode: Peak

Voltage: AC 120V/60Hz

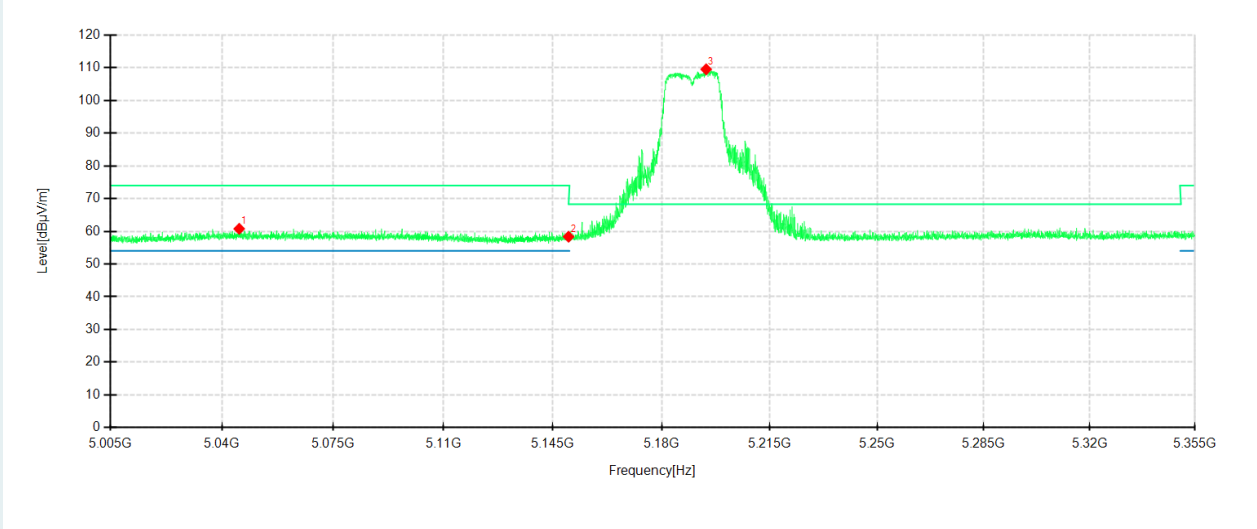
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBµV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5041.8375	45.73	60.70	14.97	74.00	13.30	100	120	Horizontal	/
2	5150.0000	43.70	58.70	15.00	68.30	9.60	100	120	Horizontal	/
3	5195.9688	96.21	111.61	15.40	68.30	-43.31	100	195	Horizontal	No limit
1	5045.3813	45.74	60.78	15.04	74.00	13.22	100	19	Vertical	/
2	5150.0000	43.55	58.35	14.80	68.30	9.95	100	78	Vertical	/
3	5194.3500	94.42	109.51	15.09	68.30	-41.21	100	78	Vertical	No limit

**IEEE 802.11ac VHT40 mode ANT4**

**Highest Channel**

Frequency 5190MHz

Environment: 23.5°C/47%RH 101.0kPa

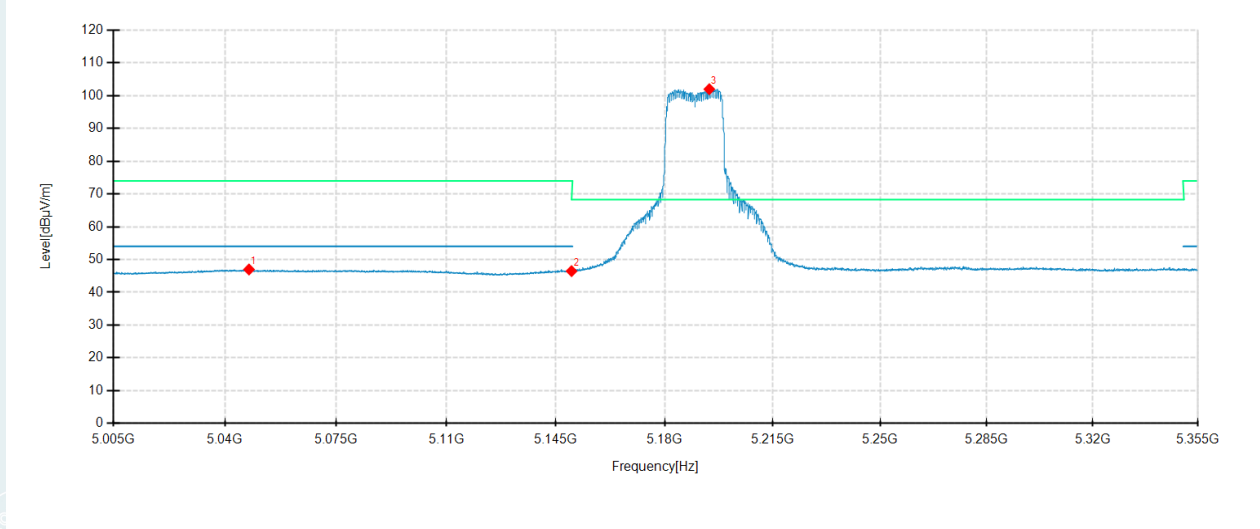
Tested By: Zhang Zishan

Detector mode: Average

Voltage: AC 120V/60Hz

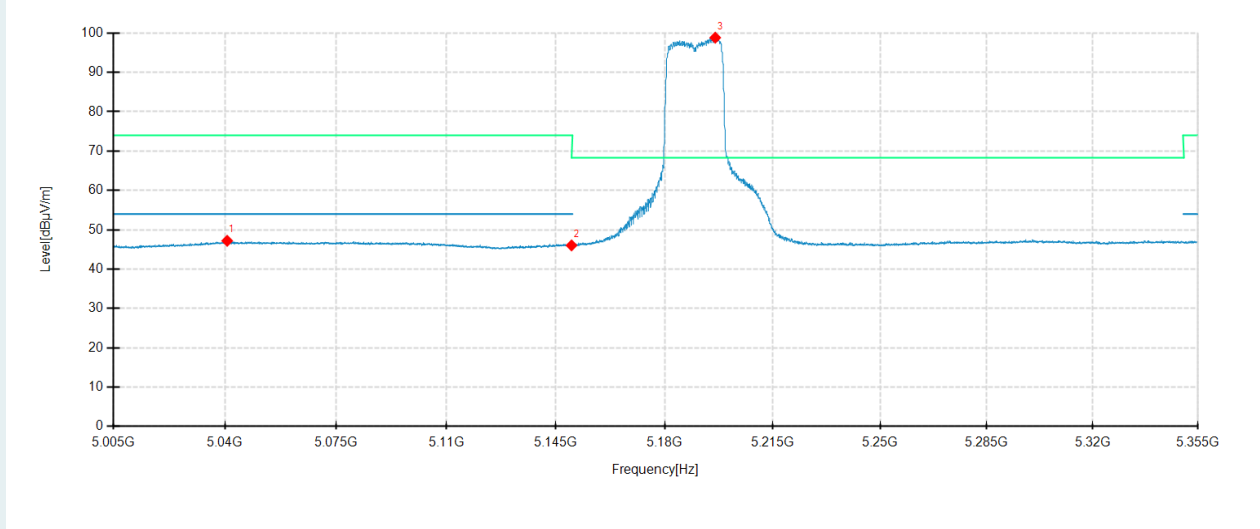
Date: 2023-11-25

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5047.5250	32.00	46.97	14.97	54.00	7.03	100	120	Horizontal	/
2	5150.0000	31.47	46.47	15.00	54.00	7.53	100	134	Horizontal	/
3	5194.3938	86.59	101.97	15.38	-	-	100	134	Horizontal	No limit
1	5040.6563	32.16	47.19	15.03	54.00	6.81	100	267	Vertical	/
2	5150.0000	31.23	46.03	14.80	54.00	7.97	100	310	Vertical	/
3	5196.3188	83.72	98.82	15.10	-	-	100	78	Vertical	No limit