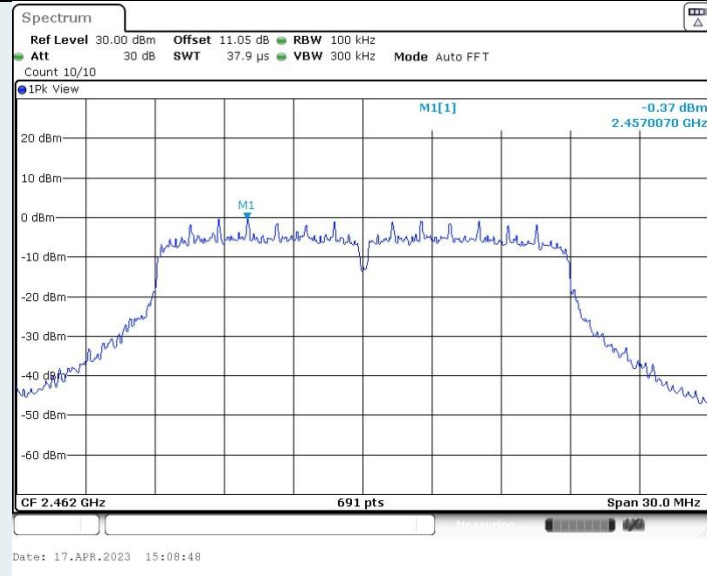
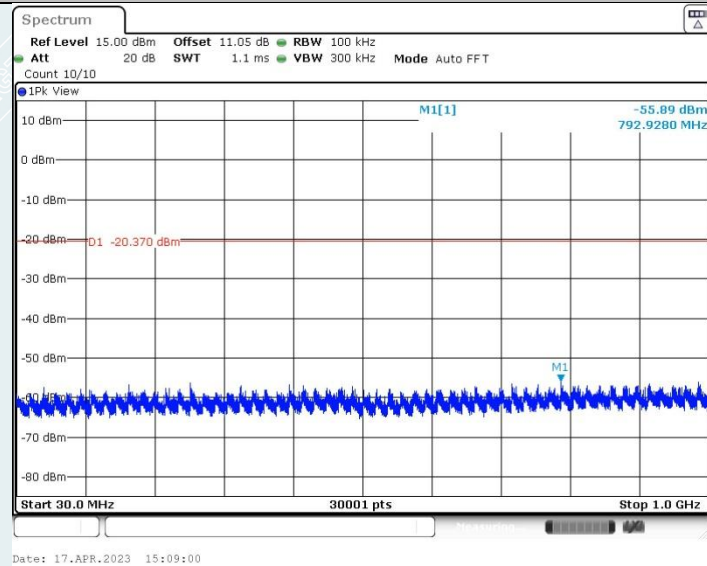


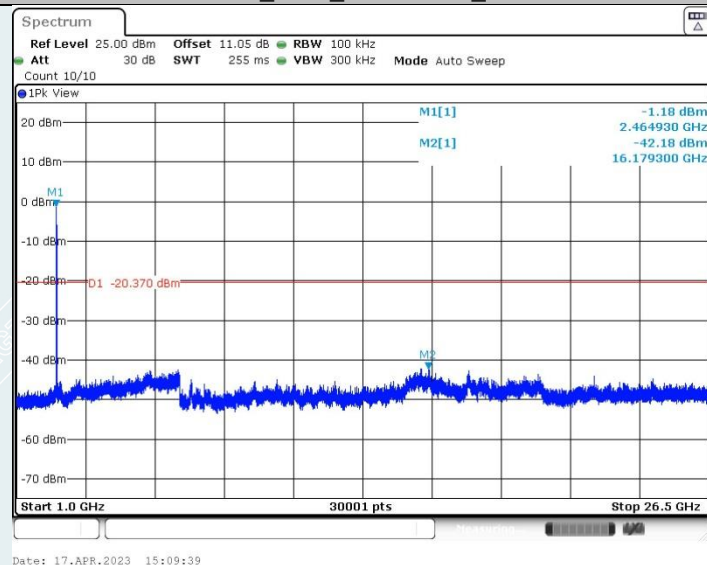
802.11n HT20 SISO_Ant2_2462 MHz_0~Reference



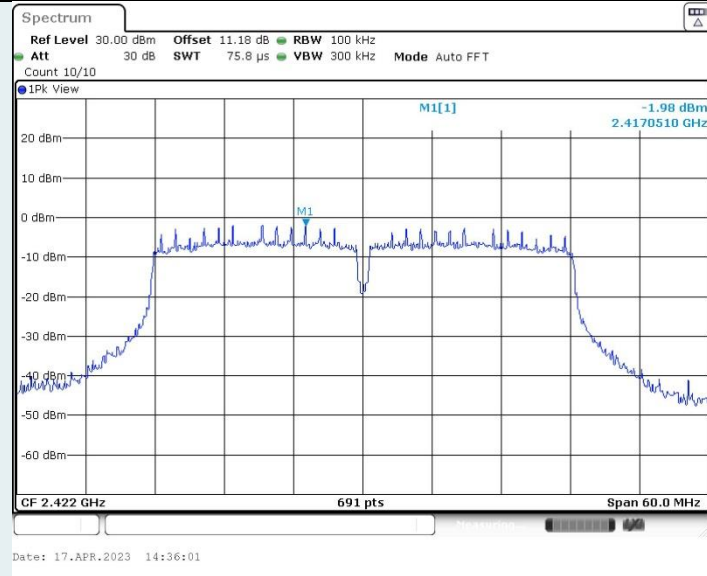
802.11n HT20 SISO_Ant2_2462 MHz_30~1000 MHz



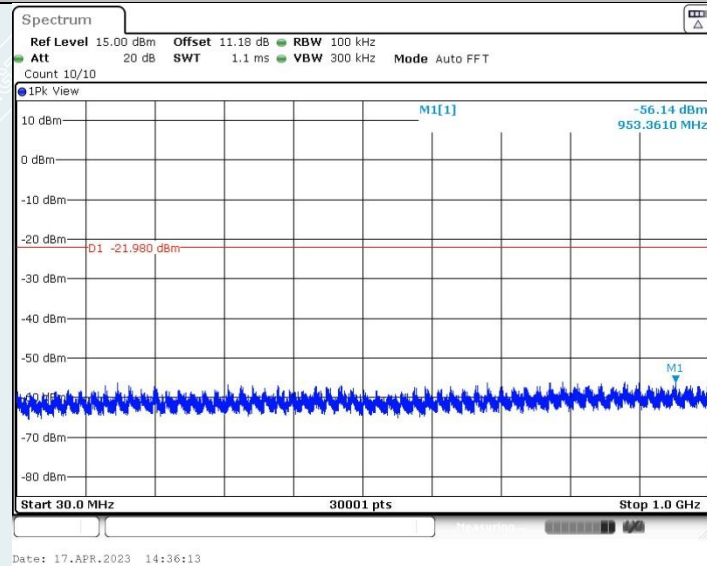
802.11n HT20 SISO_Ant2_2462 MHz_1000~26500 MHz



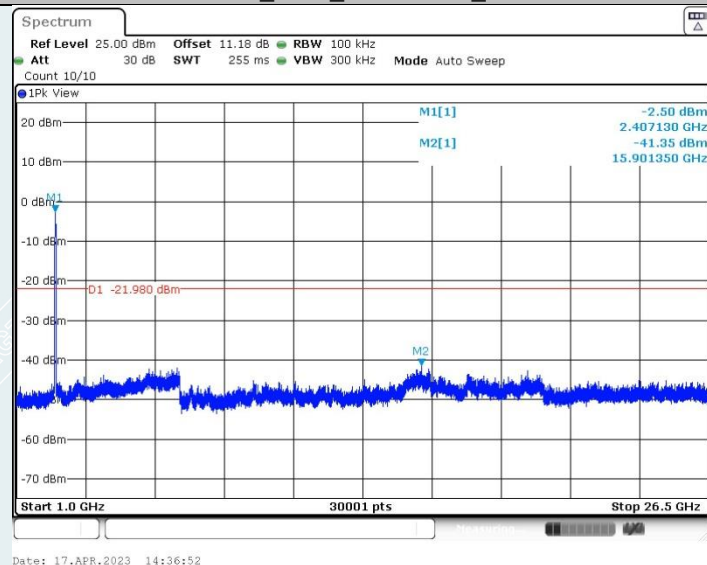
802.11n HT40 SISO_Ant1_2422 MHz_0~Reference



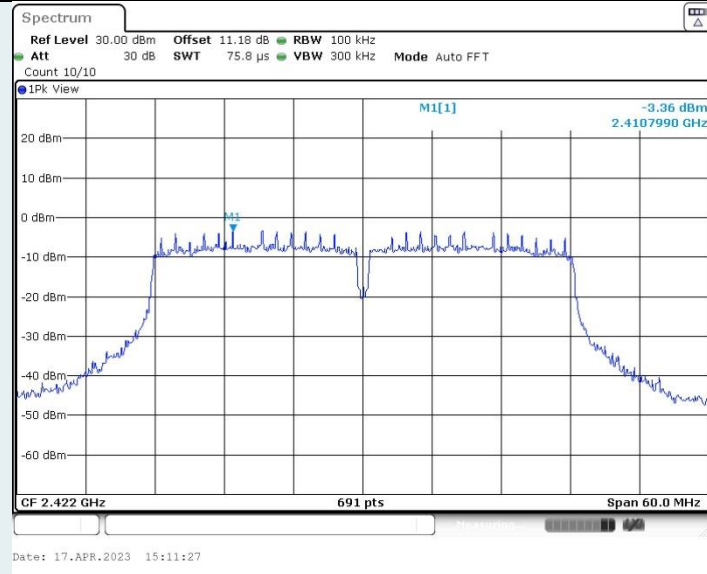
802.11n HT40 SISO_Ant1_2422 MHz_30~1000 MHz



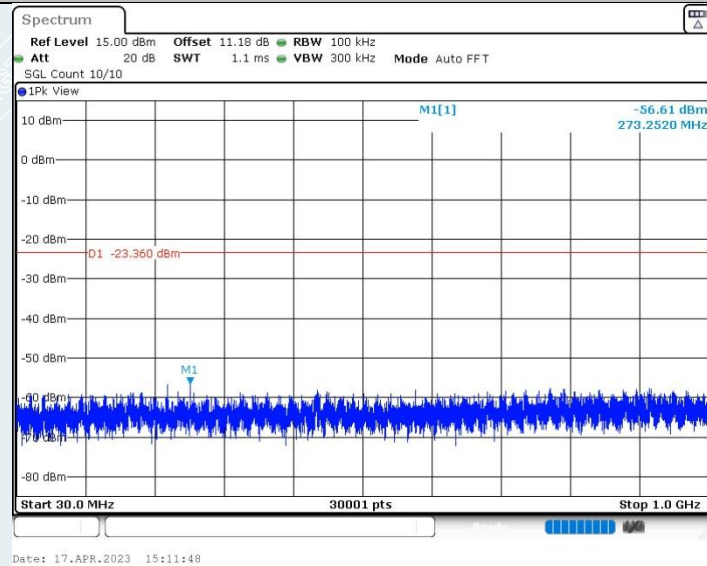
802.11n HT40 SISO_Ant1_2422 MHz_1000~26500 MHz



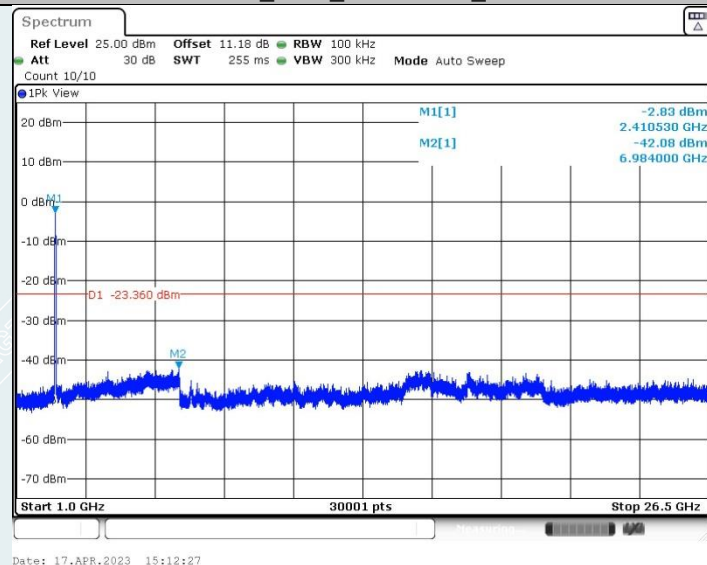
802.11n HT40 SISO_Ant2_2422 MHz_0~Reference



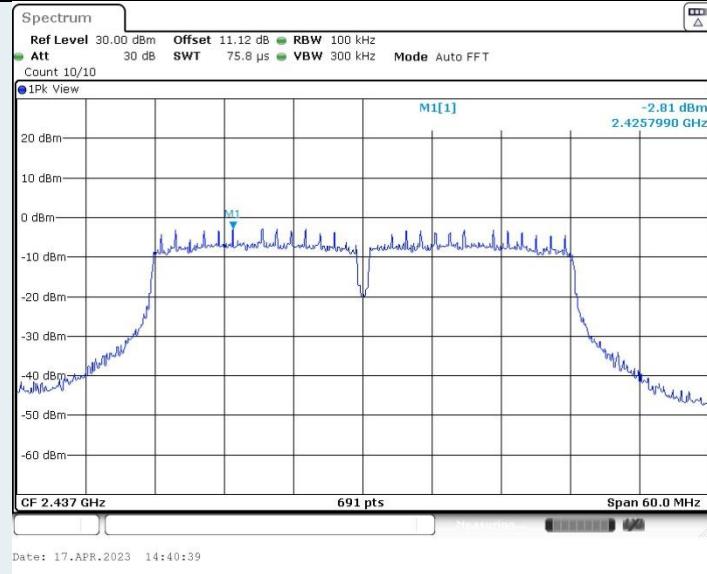
802.11n HT40 SISO_Ant2_2422 MHz_30~1000 MHz



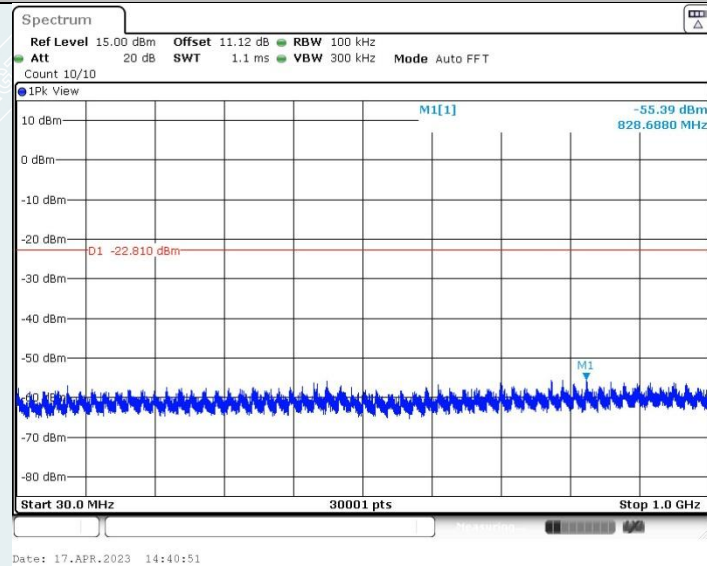
802.11n HT40 SISO_Ant2_2422 MHz_1000~26500 MHz



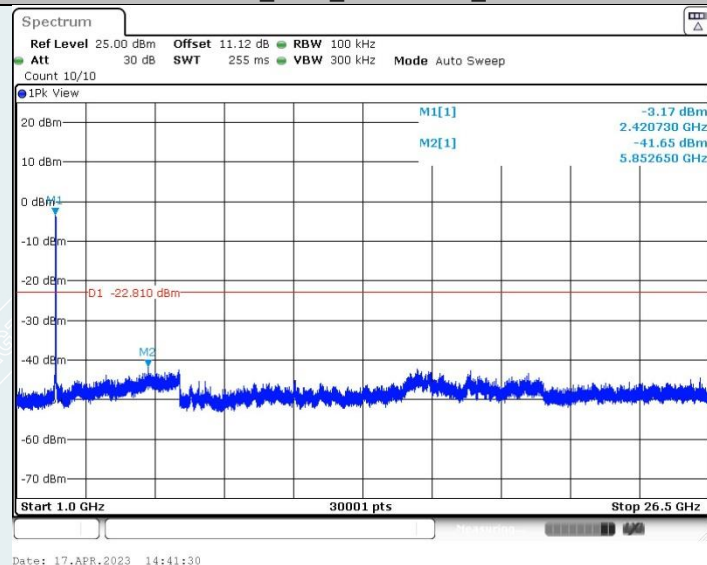
802.11n HT40 SISO_Ant1_2437 MHz_0~Reference



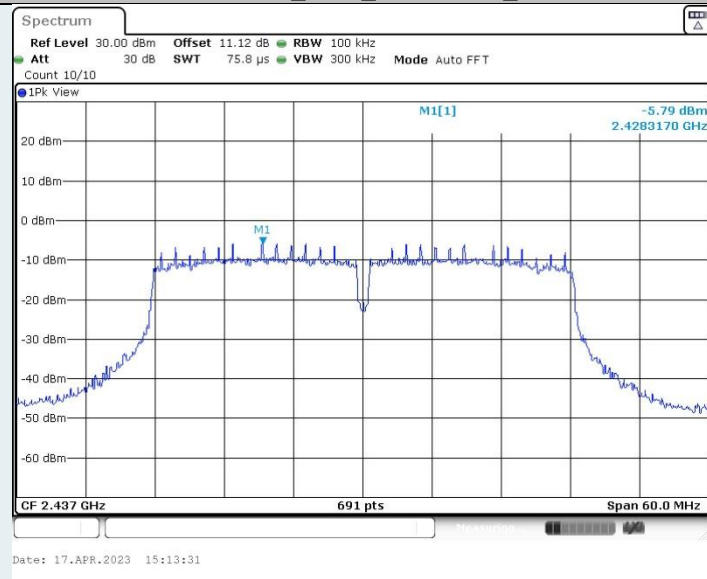
802.11n HT40 SISO_Ant1_2437 MHz_30~1000 MHz



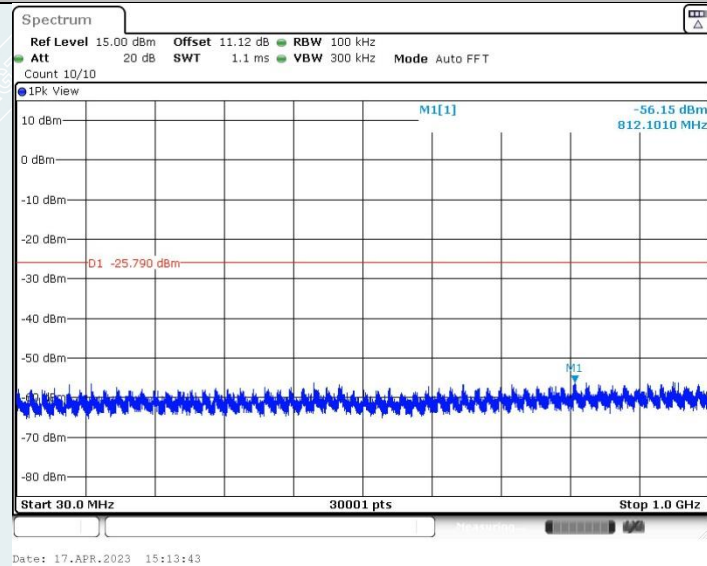
802.11n HT40 SISO_Ant1_2437 MHz_1000~26500 MHz



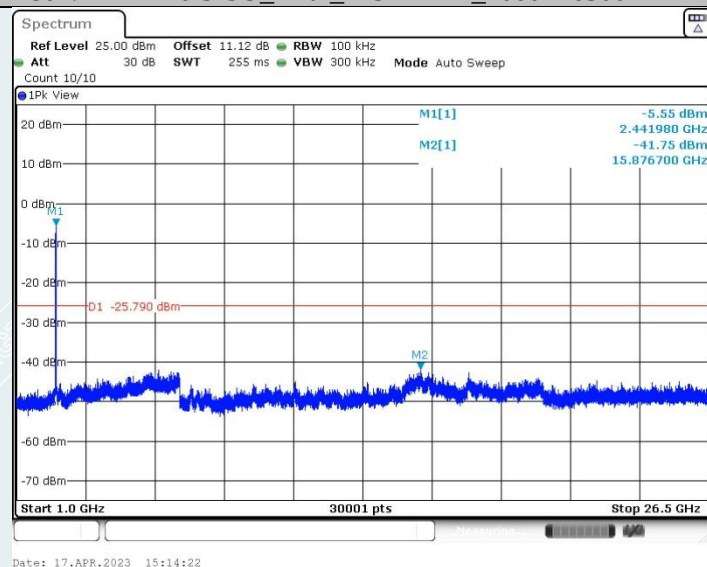
802.11n HT40 SISO_Ant2_2437 MHz_0~Reference



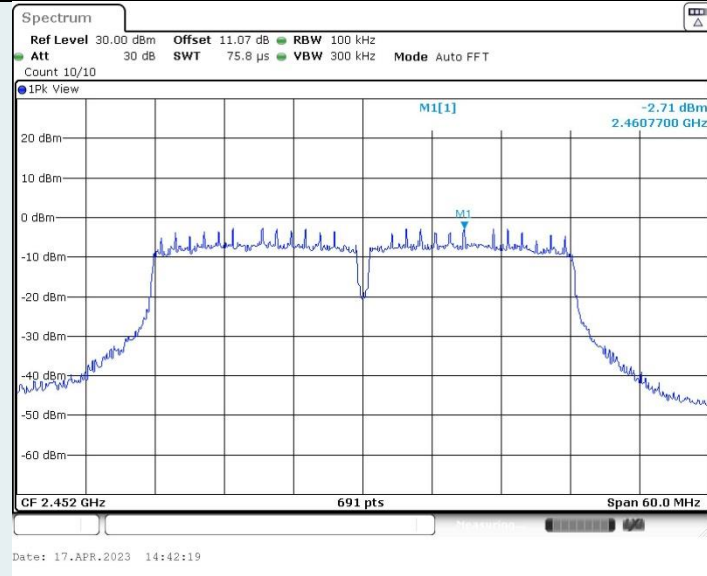
802.11n HT40 SISO_Ant2_2437 MHz_30~1000 MHz



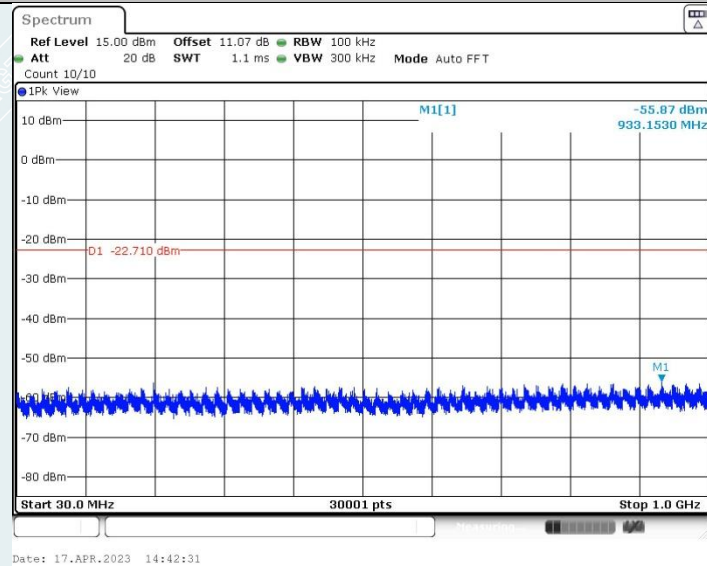
802.11n HT40 SISO_Ant2_2437 MHz_1000~26500 MHz



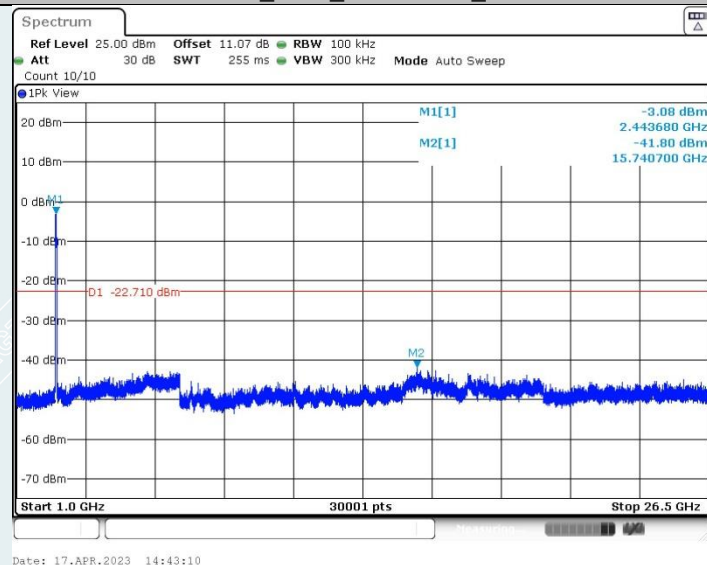
802.11n HT40 SISO_Ant1_2452 MHz_0~Reference



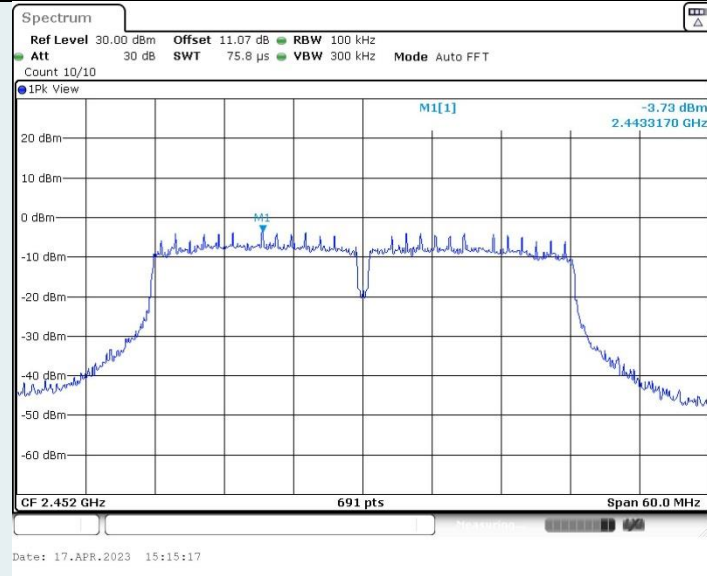
802.11n HT40 SISO_Ant1_2452 MHz_30~1000



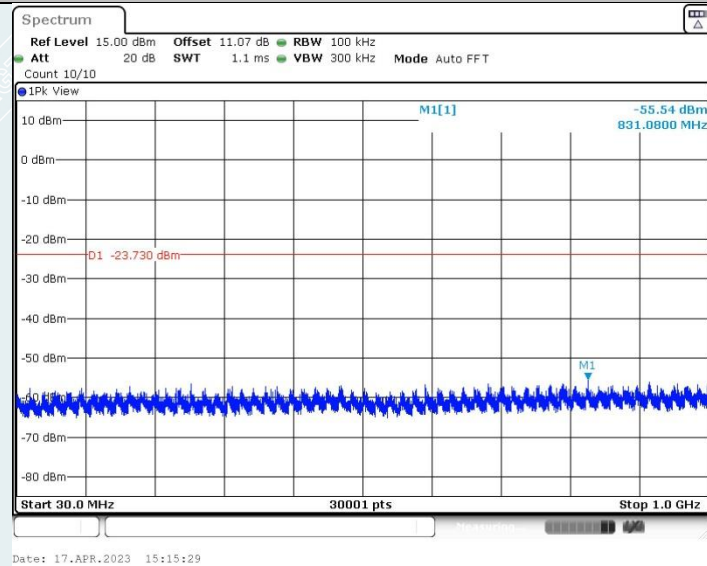
802.11n HT40 SISO_Ant1_2452 MHz_1000~26500 MHz



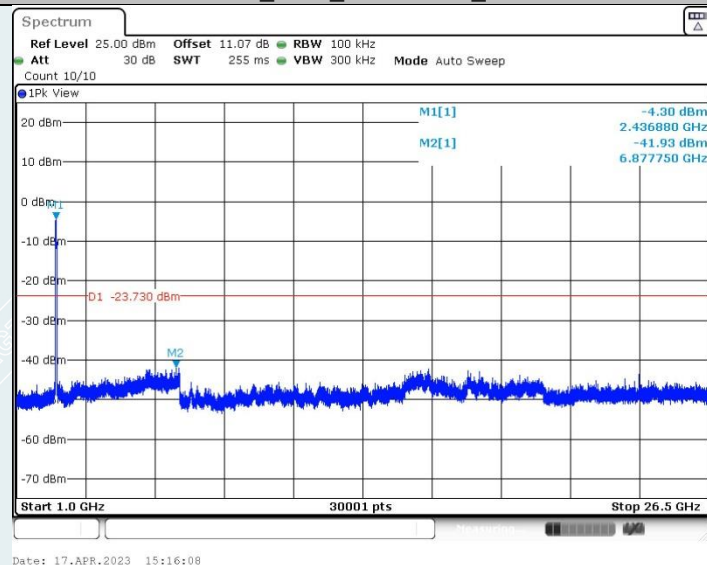
802.11n HT40 SISO_Ant2_2452 MHz_0~Reference



802.11n HT40 SISO_Ant2_2452 MHz_30~1000 MHz



802.11n HT40 SISO_Ant2_2452 MHz_1000~26500 MHz



10. RESTRICTED BANDS OF OPERATION

10.1 LIMITS

Section 15.247(d) In addition, Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Frequency(MHz)	Frequency(MHz)	Frequency(MHz)	Frequency(GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
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	
13.36 - 13.41			

Frequency (MHz)	Quasi-peak($\mu\text{V/m}$)	Measurement distance(m)	Quasi-peak(dB $\mu\text{V/m}$)@distance 3m
0.009-0.490	2400/F(kHz)	300	128.5~93.8
0.490-1.705	24000/F(kHz)	30	73.8~63
1.705-30.0	30	30	69.5
30~88	100	3	40
88~216	150	3	43.5
216~960	200	3	46
Above 960	500	3	54

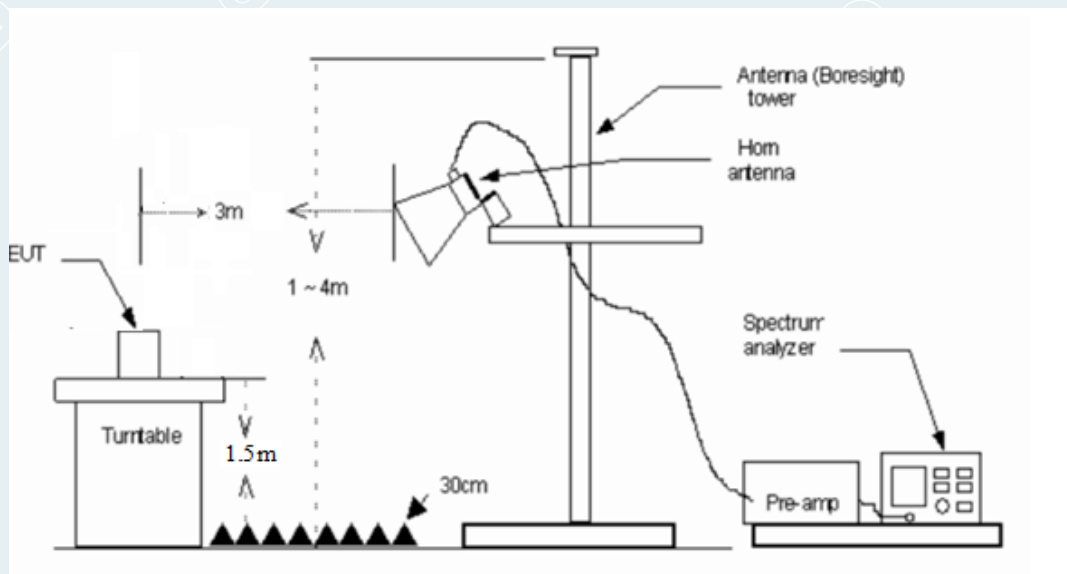
10.2 TEST PROCEDURES

Test procedures follow KDB 558074 D01 DTS Measurement Guidance.

- 1) The EUT is placed on a turntable, which is 1.5m above the ground plane.
- 2) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4) Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - a) PEAK: RBW=1MHz / VBW=1MHz / Sweep=AUTO.
 - b) AVERAGE: RBW=1MHz / VBW=1/T / Sweep=AUTO.

If the EUT is configured to transmit with duty cycle $\geq 98\%$, set $VBW \leq RBW/100$ (i.e., 10kHz) but not less than 10 Hz. If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$, Where T is defined in section 2.9.
- 5) Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.

10.3 TEST SETUP



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10.4 TEST RESULTS

802.11b mode ANT1

Lowest Channel

Frequency 2412MHz

Environment: 23.2°C/63%RH /101.0kPa

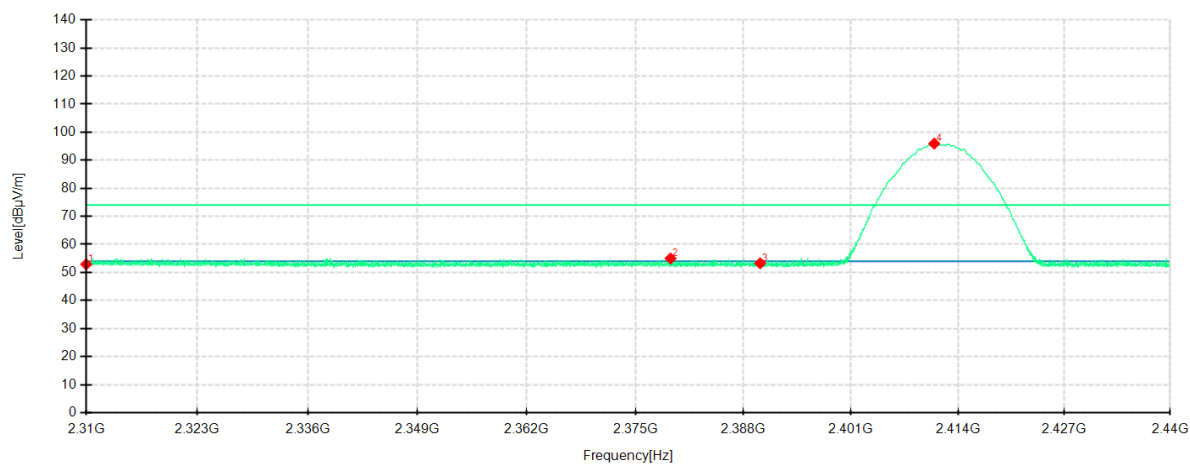
Tested By: Chen Xiacong

Detector mode: Peak

Voltage: DC 13.5V

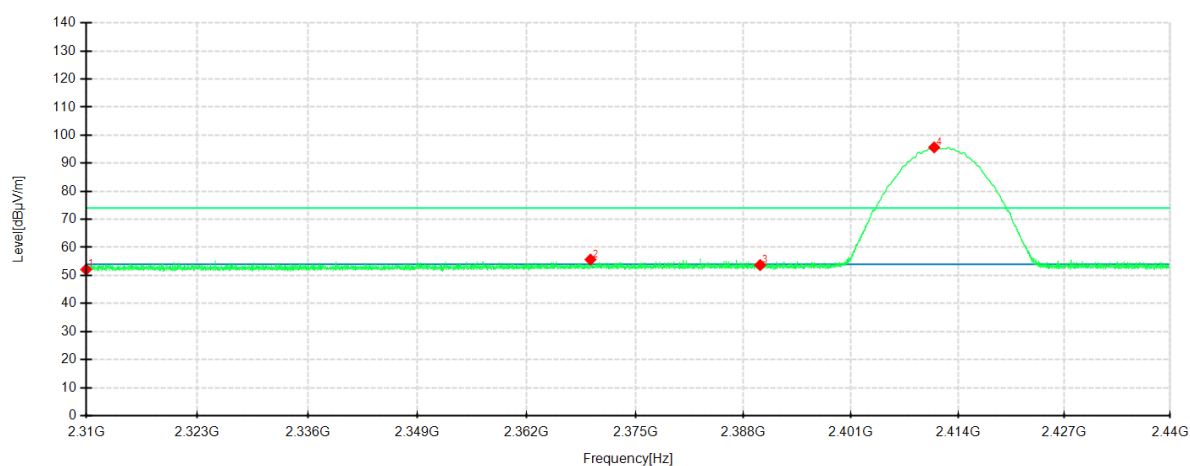
Date: 2023-05-10

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No	Frequency MHz	Reading dB μ V/m	Level dB μ V/m	Factor dB	Limit dB μ V/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310	43.13	52.90	9.77	74.00	21.10	200	95	Horizontal	/
2	2379.2087	45.89	54.97	9.08	74.00	19.03	100	170	Horizontal	/
3	2390	44.15	53.26	9.11	74.00	20.74	200	173	Horizontal	/
4	2411.1075	86.84	95.93	9.09	74.00	-21.93	100	50	Horizontal	No limit
1	2310	43.03	52.10	9.07	74.00	21.90	200	296	Vertical	/
2	2369.605	46.32	55.64	9.32	74.00	18.36	100	210	Vertical	/
3	2390	44.15	53.68	9.53	74.00	20.32	100	358	Vertical	/
4	2411.1075	86.04	95.65	9.61	74.00	-21.65	100	329	Vertical	No limit

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

802.11b mode ANT1**Lowest Channel**

Frequency 2412MHz

Environment: 23.2°C/63%RH /101.0kPa

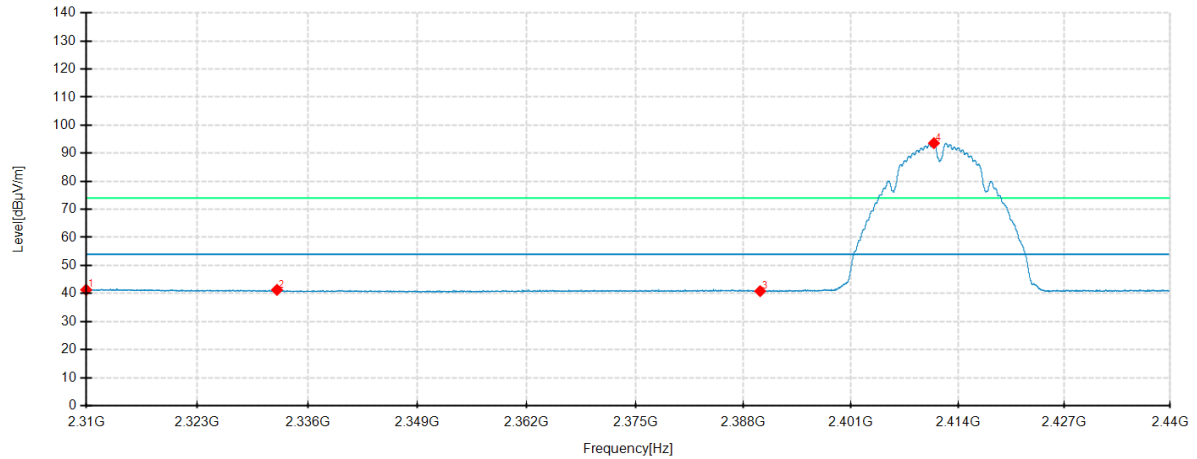
Tested By: Chen Xiacong

Detector mode: Average

Voltage: DC 13.5V

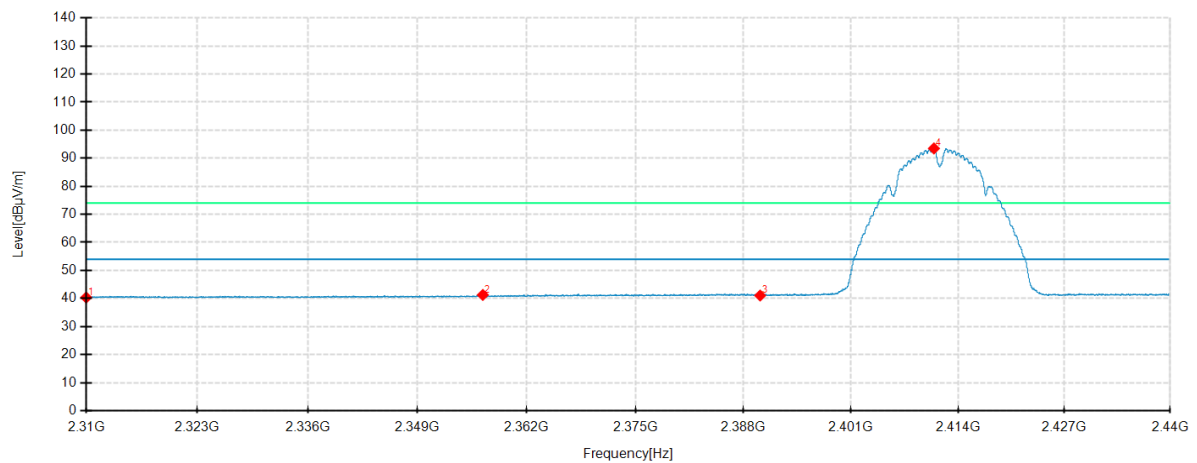
Date: 2023-05-10

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	2310	31.53	41.30	9.77	54.00	12.70	100	0	Horizontal	/
2	2332.3762	31.93	41.28	9.35	54.00	12.72	100	335	Horizontal	/
3	2390	31.72	40.83	9.11	54.00	13.17	200	360	Horizontal	/
4	2411.075	84.49	93.58	9.09	54.00	-39.58	100	51	Horizontal	No limit
1	2310	31.27	40.34	9.07	54.00	13.66	200	168	Vertical	/
2	2356.7512	32.08	41.27	9.19	54.00	12.73	200	345	Vertical	/
3	2390	31.52	41.05	9.53	54.00	12.95	100	26	Vertical	/
4	2411.075	83.88	93.49	9.61	54.00	-39.49	100	348	Vertical	No limit

802.11b mode ANT1**Highest Channel**

Frequency 2462MHz

Environment: 23.2°C/63%RH /101.0kPa

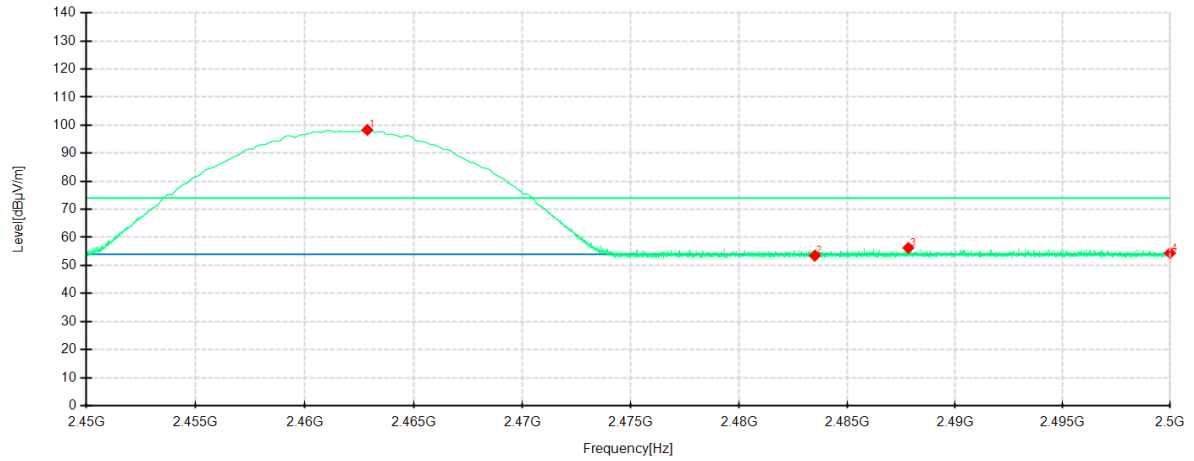
Tested By: Chen Xiacong

Detector mode: Peak

Voltage: DC 13.5V

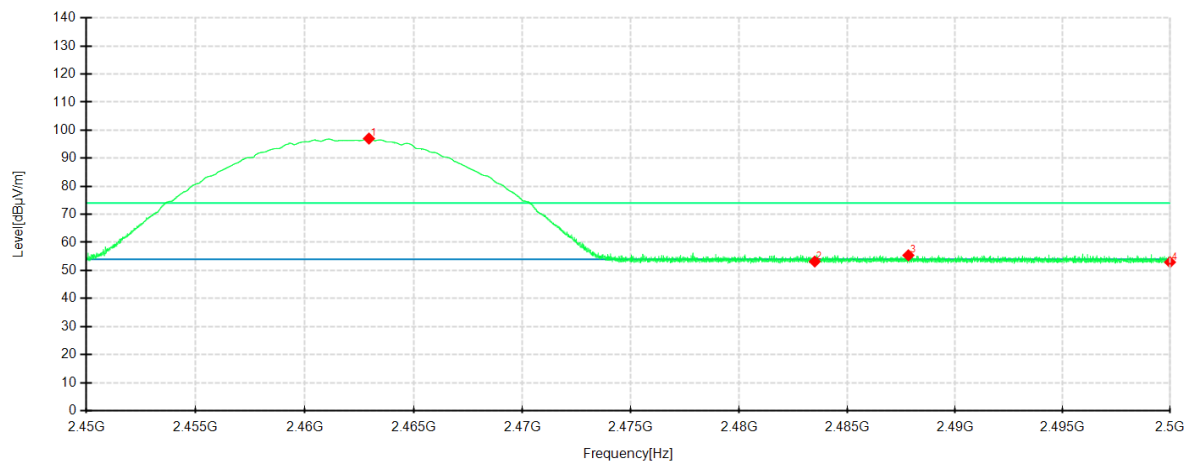
Date: 2023-05-10

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	2462.875	89.08	98.30	9.22	74.00	-24.30	100	5	Horizontal	No limit
2	2483.5	43.78	53.46	9.68	74.00	20.54	200	252	Horizontal	/
3	2487.8375	46.48	56.26	9.78	74.00	17.74	100	345	Horizontal	/
4	2500	44.36	54.41	10.05	74.00	19.59	100	304	Horizontal	/
1	2462.95	87.39	97.01	9.62	74.00	-23.01	100	338	Vertical	No limit
2	2483.5	43.42	53.17	9.75	74.00	20.83	100	299	Vertical	/
3	2487.8375	45.61	55.39	9.78	74.00	18.61	100	202	Vertical	/
4	2500	43.09	52.94	9.85	74.00	21.06	100	45	Vertical	/

802.11b mode ANT1**Highest Channel**

Frequency 2462MHz

Environment: 23.2°C/63%RH /101.0kPa

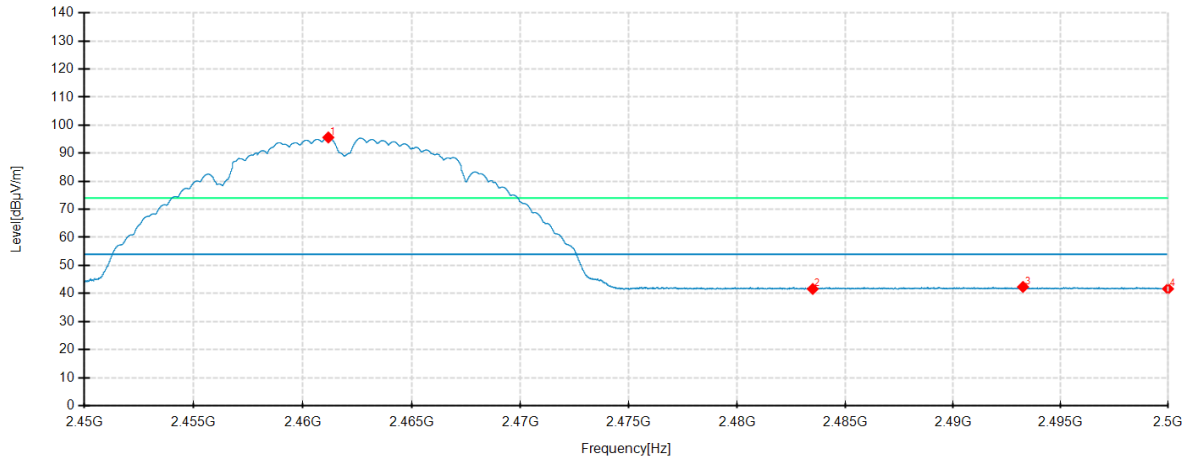
Tested By: Chen Xiacong

Detector mode: Average

Voltage: DC 13.5V

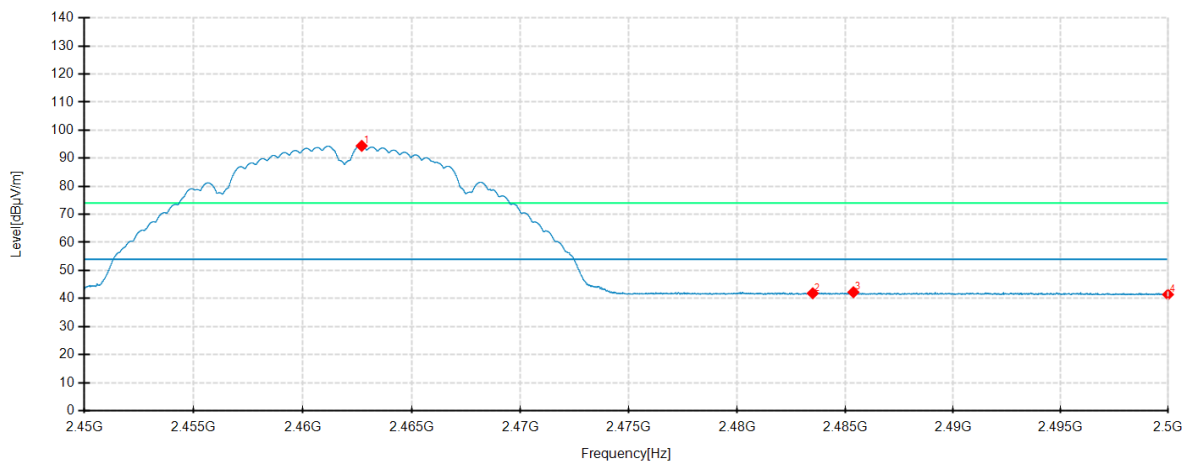
Date: 2023-05-10

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	2461.175	86.44	95.63	9.19	54.00	-41.63	100	51	Horizontal	No limit
2	2483.5	31.94	41.62	9.68	54.00	12.38	200	15	Horizontal	/
3	2493.25	32.44	42.34	9.90	54.00	11.66	100	2	Horizontal	/
4	2500	31.60	41.65	10.05	54.00	12.35	100	343	Horizontal	/
1	2462.7062	84.79	94.41	9.62	54.00	-40.41	100	339	Vertical	No limit
2	2483.5	32.10	41.85	9.75	54.00	12.15	100	349	Vertical	/
3	2485.3812	32.47	42.23	9.76	54.00	11.77	100	349	Vertical	/
4	2500	31.56	41.41	9.85	54.00	12.59	100	349	Vertical	/

802.11b mode ANT2**Lowest Channel**

Frequency 2412MHz

Environment: 23.2°C/63%RH /101.0kPa

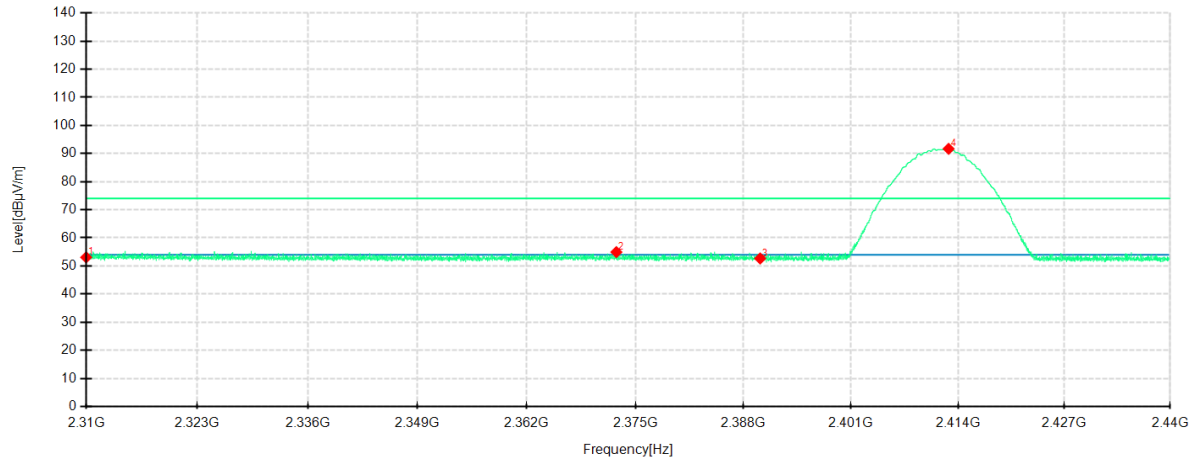
Tested By: Chen Xiacong

Detector mode: Peak

Voltage: DC 13.5V

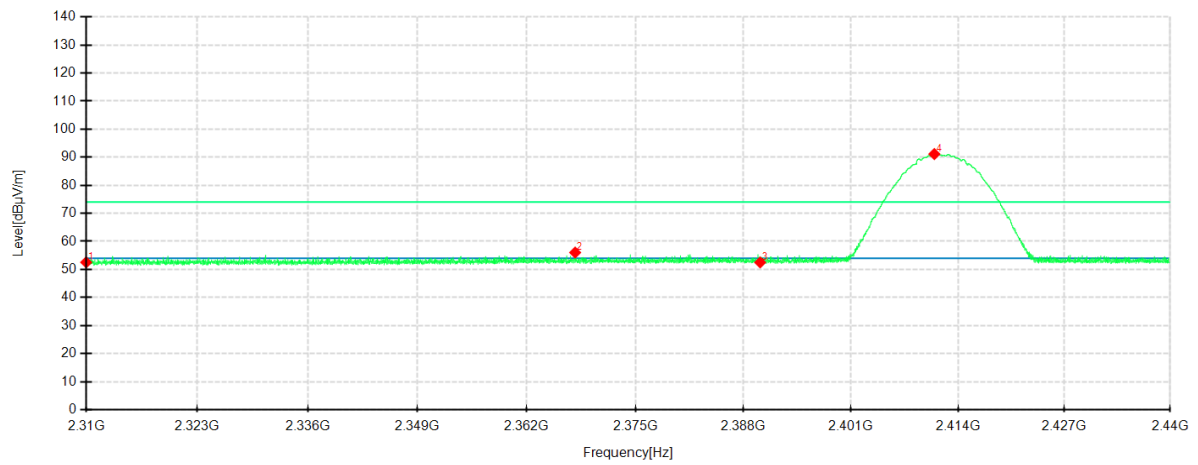
Date: 2023-05-10

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No	Frequency MHz	Reading dB μ V/m	Level dB μ V/m	Factor dB	Limit dB μ V/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310	43.30	53.07	9.77	74.00	20.93	100	132	Horizontal	/
2	2372.7087	45.87	54.94	9.07	74.00	19.06	200	23	Horizontal	/
3	2390	43.56	52.67	9.11	74.00	21.33	200	344	Horizontal	/
4	2412.8625	82.61	91.69	9.08	74.00	-17.69	200	306	Horizontal	No limit
1	2310	43.46	52.53	9.07	74.00	21.47	200	280	Vertical	/
2	2367.7688	46.72	56.02	9.30	74.00	17.98	100	345	Vertical	/
3	2390	42.97	52.50	9.53	74.00	21.50	100	167	Vertical	/
4	2411.1238	81.53	91.14	9.61	74.00	-17.14	100	345	Vertical	No limit

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802.11b mode ANT2**Lowest Channel**

Frequency 2412MHz

Environment: 23.2°C/63%RH /101.0kPa

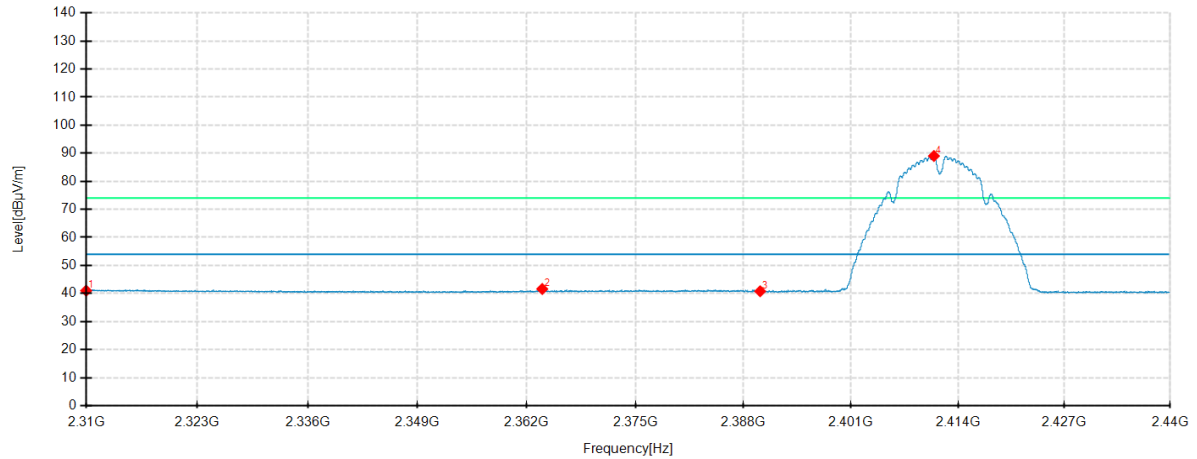
Tested By: Chen Xiacong

Detector mode: Average

Voltage: DC 13.5V

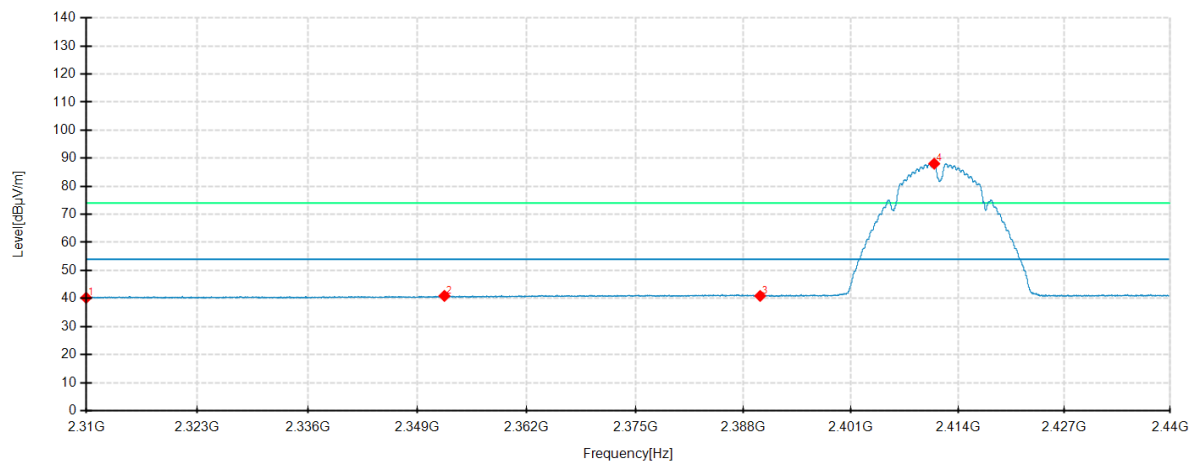
Date: 2023-05-10

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	2310	31.23	41.00	9.77	54.00	13.00	200	229	Horizontal	/
2	2363.8362	32.56	41.61	9.05	54.00	12.39	100	301	Horizontal	/
3	2390	31.69	40.80	9.11	54.00	13.20	200	306	Horizontal	/
4	2411.075	79.93	89.02	9.09	54.00	-35.02	100	17	Horizontal	No limit
1	2310	31.18	40.25	9.07	54.00	13.75	100	248	Vertical	/
2	2352.185	31.79	40.93	9.14	54.00	13.07	200	258	Vertical	/
3	2390	31.38	40.91	9.53	54.00	13.09	100	344	Vertical	/
4	2411.1075	78.45	88.06	9.61	54.00	-34.06	100	344	Vertical	No limit

802.11b mode ANT2**Highest Channel**

Frequency 2462MHz

Environment: 23.2°C/63%RH /101.0kPa

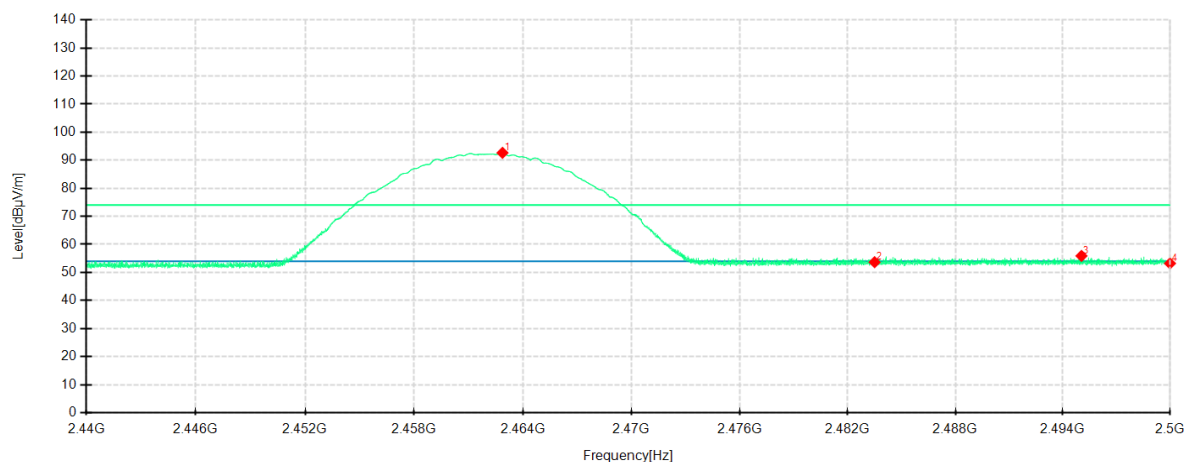
Tested By: Chen Xiacong

Detector mode: Peak

Voltage: DC 13.5V

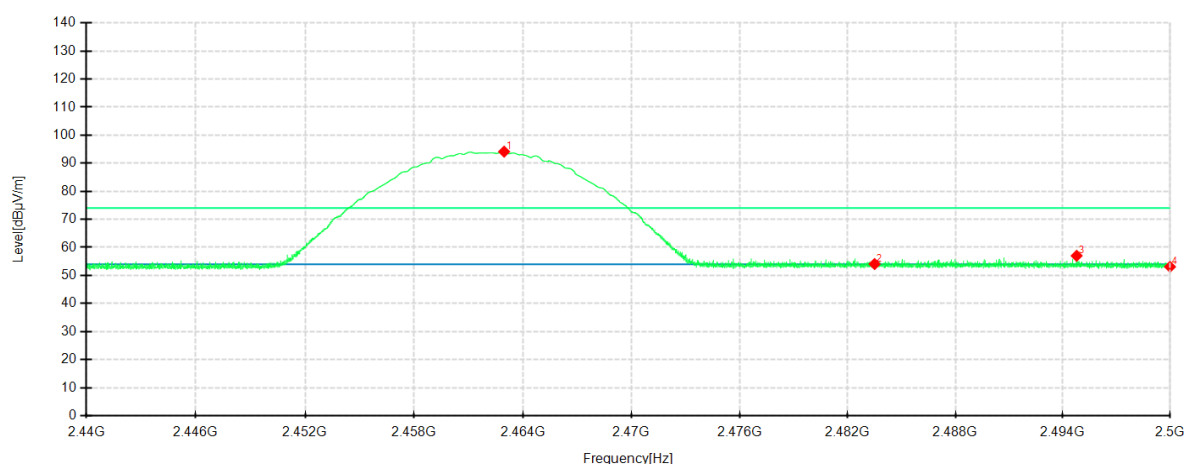
Date: 2023-05-10

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	2462.875	83.42	92.64	9.22	74.00	-18.64	100	300	Horizontal	No limit
2	2483.5	43.97	53.65	9.68	74.00	20.35	200	305	Horizontal	/
3	2495.0425	45.95	55.89	9.94	74.00	18.11	200	344	Horizontal	/
4	2500	43.16	53.21	10.05	74.00	20.79	100	300	Horizontal	/
1	2462.965	84.50	94.12	9.62	74.00	-20.12	100	23	Vertical	No limit
2	2483.5	44.32	54.07	9.75	74.00	19.93	200	337	Vertical	/
3	2494.7725	47.18	57.00	9.82	74.00	17.00	100	316	Vertical	/
4	2500	43.24	53.09	9.85	74.00	20.91	200	299	Vertical	/

802.11b mode ANT2**Highest Channel**

Frequency 2462MHz

Environment: 23.2°C/63%RH /101.0kPa

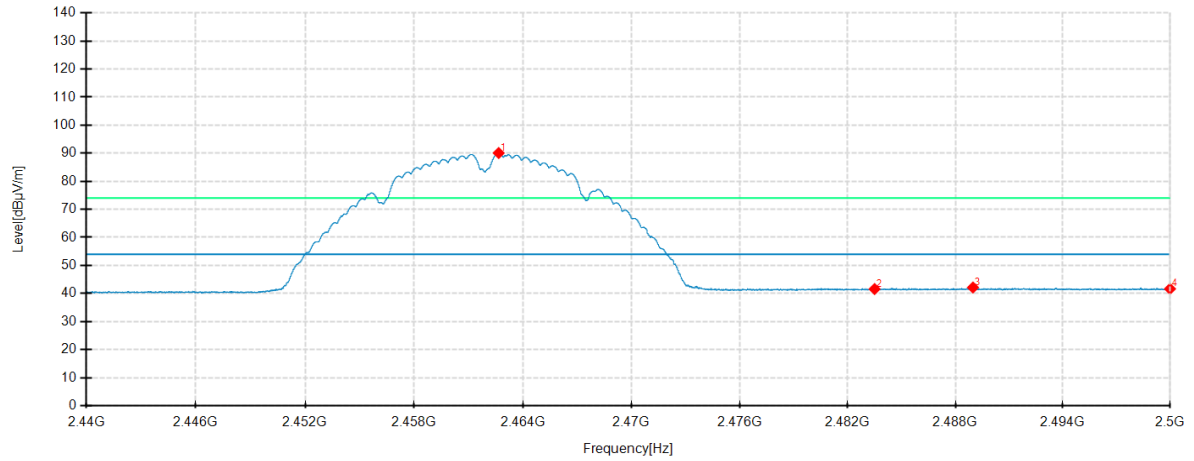
Tested By: Chen Xiacong

Detector mode: Average

Voltage: DC 13.5V

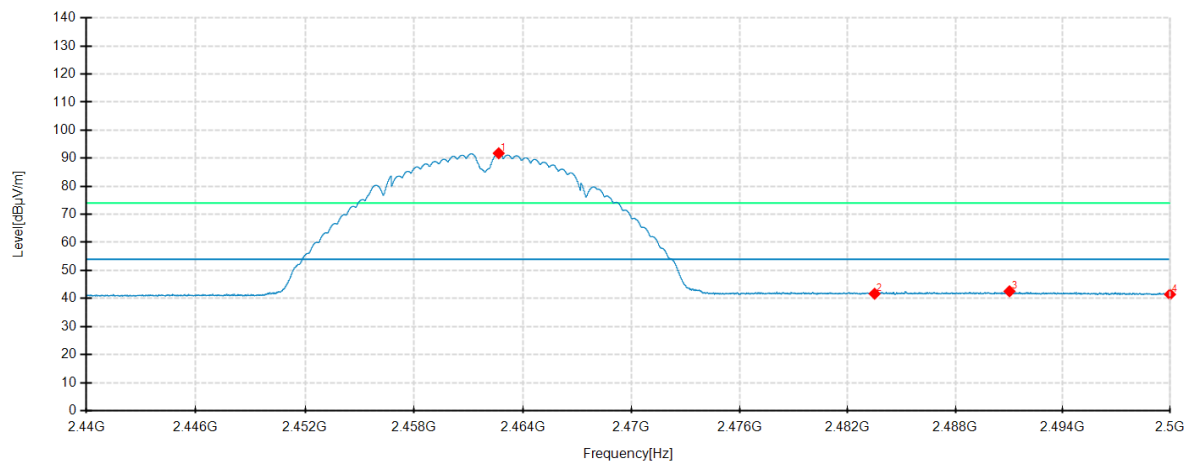
Date: 2023-05-10

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	2462.665	80.86	90.08	9.22	54.00	-36.08	100	301	Horizontal	No limit
2	2483.5	31.90	41.58	9.68	54.00	12.42	200	295	Horizontal	/
3	2488.9825	32.33	42.13	9.80	54.00	11.87	100	291	Horizontal	/
4	2500	31.61	41.66	10.05	54.00	12.34	200	305	Horizontal	/
1	2462.665	82.15	91.77	9.62	54.00	-37.77	100	22	Vertical	No limit
2	2483.5	31.94	41.69	9.75	54.00	12.31	200	16	Vertical	/
3	2491.0225	32.78	42.57	9.79	54.00	11.43	100	22	Vertical	/
4	2500	31.61	41.46	9.85	54.00	12.54	100	12	Vertical	/

802.11g mode ANT1**Lowest Channel**

Frequency 2412MHz

Environment: 23.2°C/63%RH/101.0kPa

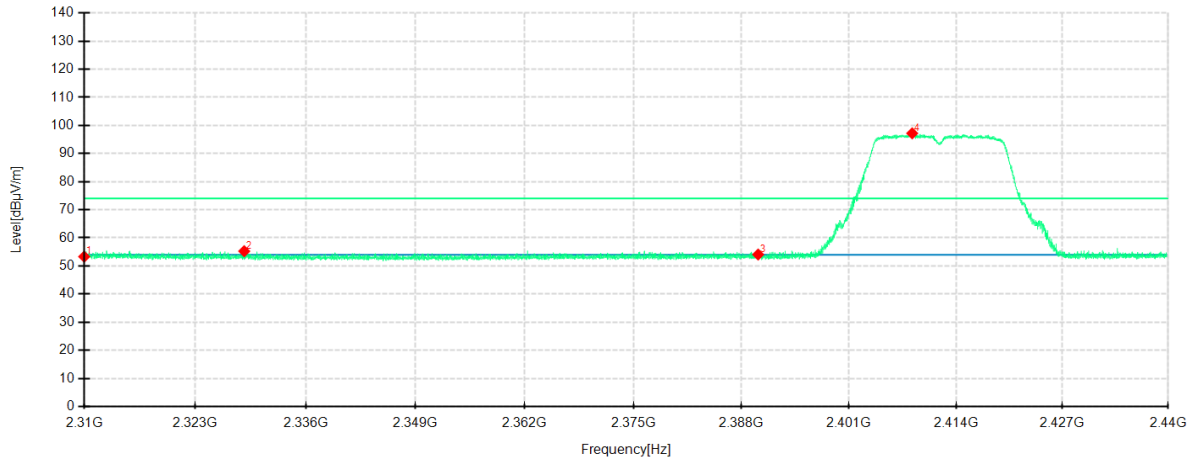
Tested By: Chen Xiacong

Detector mode: Peak

Voltage: DC 13.5V

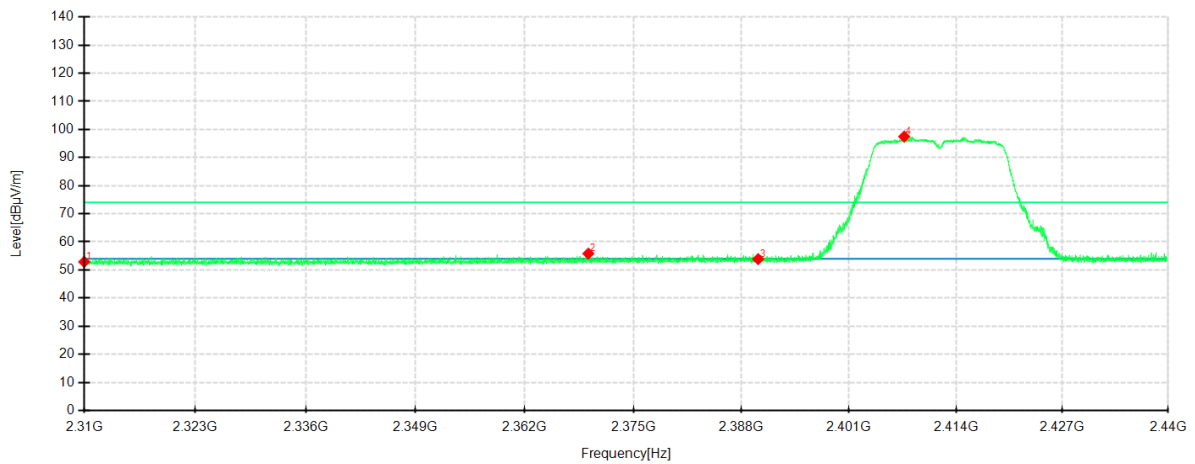
Date: 2023-05-10

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	2310	43.54	53.31	9.77	74.00	20.69	100	360	Horizontal	/
2	2328.7525	45.85	55.26	9.41	74.00	18.74	100	310	Horizontal	/
3	2390	44.96	54.07	9.11	74.00	19.93	200	140	Horizontal	/
4	2408.67	88.10	97.20	9.10	74.00	-23.20	100	46	Horizontal	No limit
1	2310	43.82	52.89	9.07	74.00	21.11	100	108	Vertical	/
2	2369.5888	46.51	55.83	9.32	74.00	18.17	200	319	Vertical	/
3	2390	44.33	53.86	9.53	74.00	20.14	100	335	Vertical	/
4	2407.695	87.84	97.46	9.62	74.00	-23.46	100	335	Vertical	No limit

802.11g mode ANT1**Lowest Channel**

Frequency 2412MHz

Environment: 23.2°C/63%RH/101.0kPa

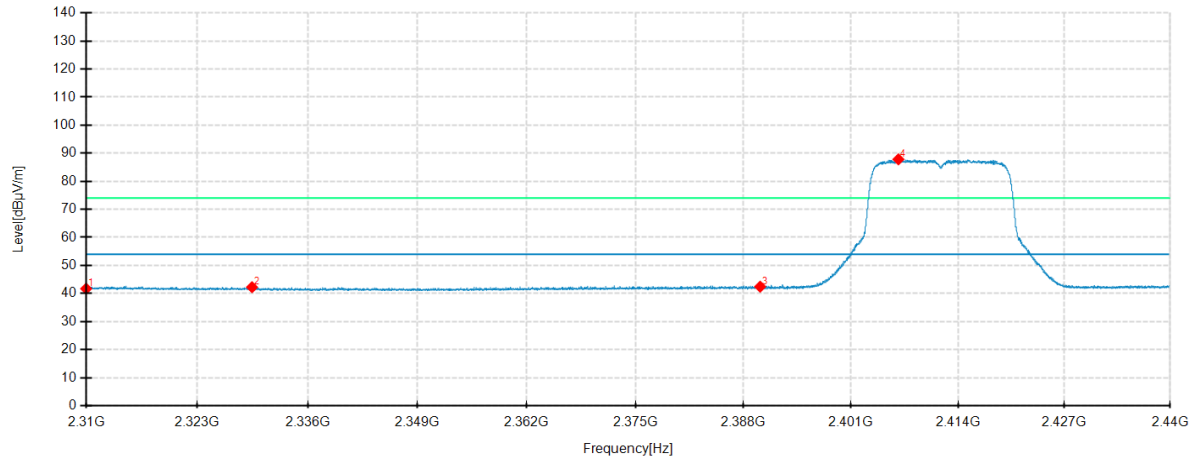
Tested By: Chen Xiacong

Detector mode: Average

Voltage: DC 13.5V

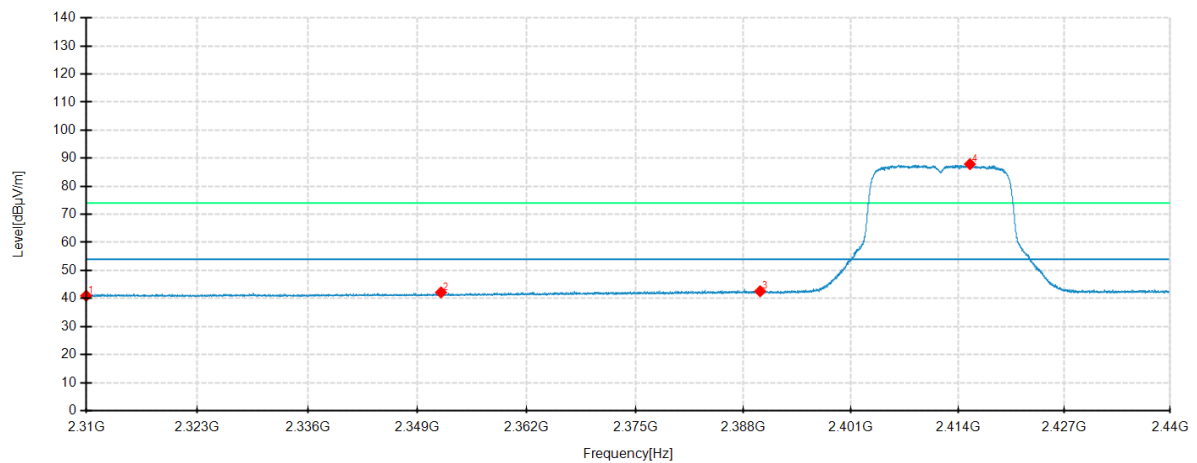
Date: 2023-05-10

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	2310	31.94	41.71	9.77	54.00	12.29	100	358	Horizontal	/
2	2329.435	32.83	42.24	9.41	54.00	11.76	100	360	Horizontal	/
3	2390	33.31	42.42	9.11	54.00	11.58	100	45	Horizontal	/
4	2406.7525	78.73	87.83	9.10	54.00	-33.83	100	45	Horizontal	No limit
1	2310	31.91	40.98	9.07	54.00	13.02	100	59	Vertical	/
2	2351.7788	33.02	42.16	9.14	54.00	11.84	200	329	Vertical	/
3	2390	33.04	42.57	9.53	54.00	11.43	100	344	Vertical	/
4	2415.4625	78.29	87.89	9.60	54.00	-33.89	100	344	Vertical	No limit

802.11g mode ANT1**Highest Channel**

Frequency 2462MHz

Environment: 23.2℃/63%RH/101.0kPa

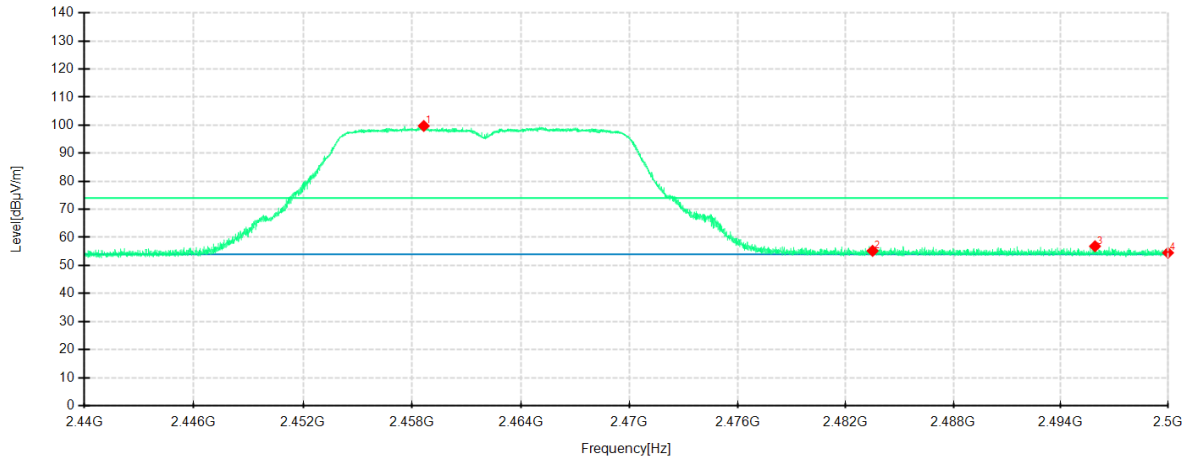
Tested By: Chen Xiaocong

Detector mode: Peak

Voltage: DC 13.5V

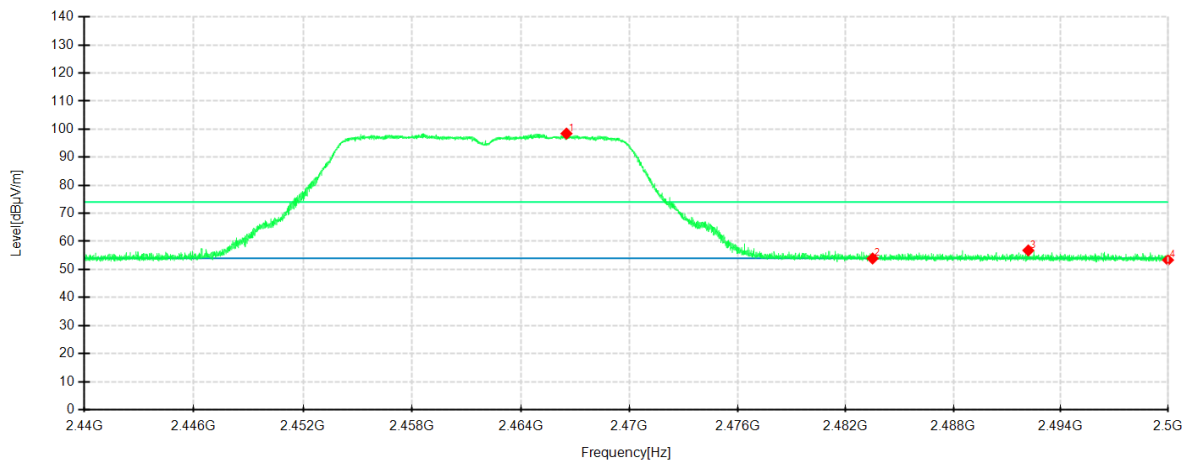
Date: 2023-05-10

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	2458.645	90.59	99.73	9.14	74.00	-25.73	100	14	Horizontal	No limit
2	2483.5	45.51	55.19	9.68	74.00	18.81	100	14	Horizontal	/
3	2495.9125	46.88	56.84	9.96	74.00	17.16	100	360	Horizontal	/
4	2500	44.46	54.51	10.05	74.00	19.49	200	324	Horizontal	/
1	2466.52	88.79	98.43	9.64	74.00	-24.43	100	344	Vertical	No limit
2	2483.5	44.15	53.90	9.75	74.00	20.10	200	348	Vertical	/
3	2492.185	46.98	56.78	9.80	74.00	17.22	100	344	Vertical	/
4	2500	43.49	53.34	9.85	74.00	20.66	200	15	Vertical	/

802.11g mode ANT1**Highest Channel**

Frequency 2462MHz

Environment: 23.2°C/63%RH/101.0kPa

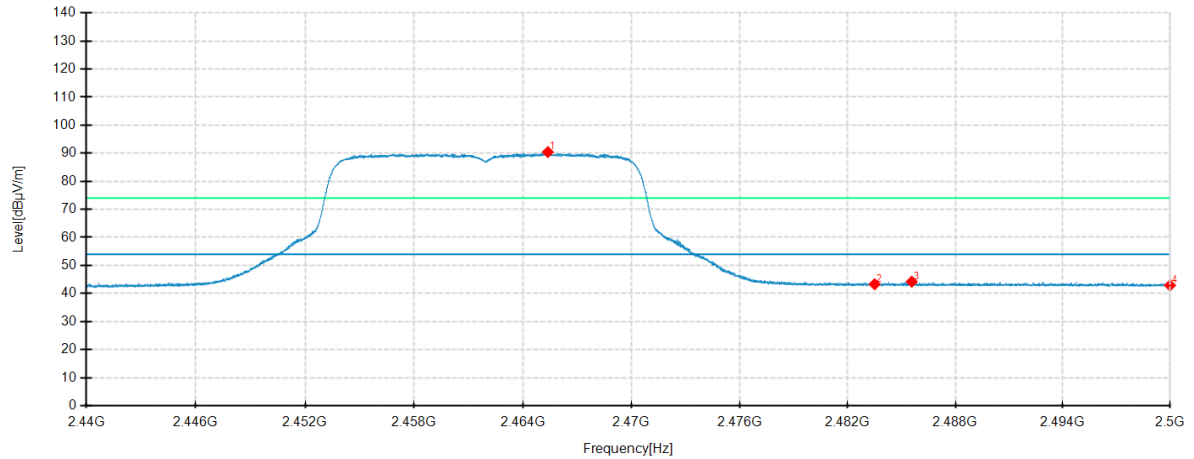
Tested By: Chen Xiacong

Detector mode: Average

Voltage: DC 13.5V

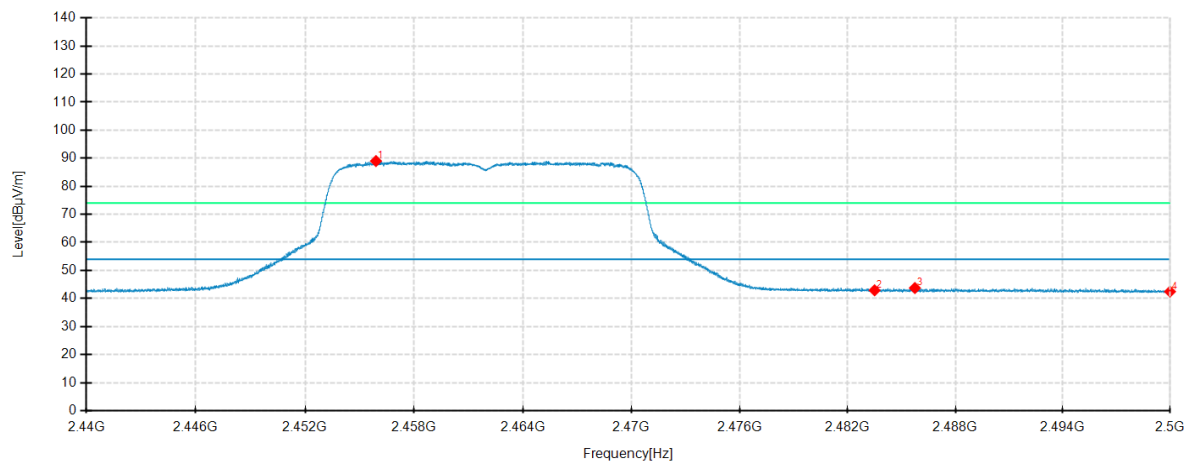
Date: 2023-05-10

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBuV/m	Level dBuV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2465.38	81.13	90.41	9.28	54.00	-36.41	100	53	Horizontal	No limit
2	2483.5	33.62	43.30	9.68	54.00	10.70	100	14	Horizontal	/
3	2485.57	34.45	44.18	9.73	54.00	9.82	100	14	Horizontal	/
4	2500	32.84	42.89	10.05	54.00	11.11	100	14	Horizontal	/
1	2455.9	79.42	88.99	9.57	54.00	-34.99	100	344	Vertical	No limit
2	2483.5	33.16	42.91	9.75	54.00	11.09	200	335	Vertical	/
3	2485.7425	33.97	43.73	9.76	54.00	10.27	100	344	Vertical	/
4	2500	32.60	42.45	9.85	54.00	11.55	100	334	Vertical	/

802.11g mode ANT2**Lowest Channel**

Frequency 2412MHz

Environment: 23.2℃/63%RH/101.0kPa

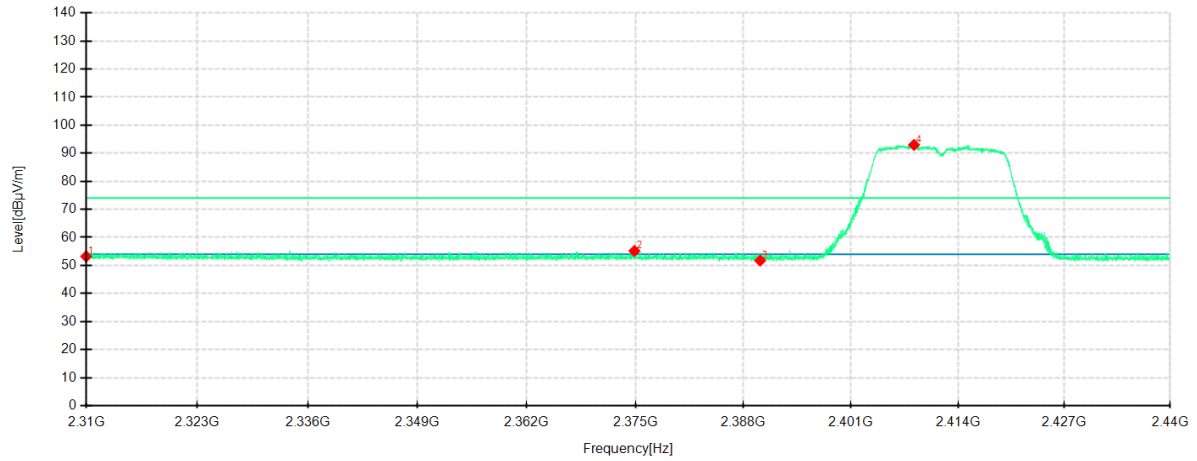
Tested By: Chen Xiacong

Detector mode: Peak

Voltage: DC 13.5V

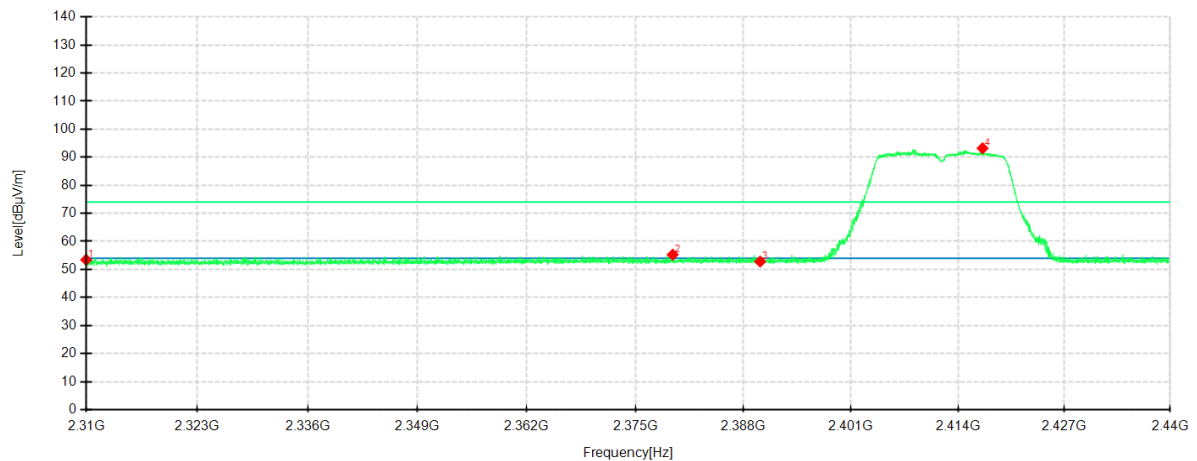
Date: 2023-05-10

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBuV/m	Level dBuV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310	43.44	53.21	9.77	74.00	20.79	100	220	Horizontal	/
2	2374.87	46.10	55.17	9.07	74.00	18.83	100	360	Horizontal	/
3	2390	42.61	51.72	9.11	74.00	22.28	100	357	Horizontal	/
4	2408.6538	83.87	92.97	9.10	74.00	-18.97	100	14	Horizontal	No limit
1	2310	44.36	53.43	9.07	74.00	20.57	100	40	Vertical	/
2	2379.4688	45.86	55.28	9.42	74.00	18.72	200	346	Vertical	/
3	2390	43.27	52.80	9.53	74.00	21.20	100	62	Vertical	/
4	2417.0062	83.58	93.18	9.60	74.00	-19.18	200	25	Vertical	No limit

802.11g mode ANT2**Lowest Channel**

Frequency 2412MHz

Environment: 23.2°C/63%RH/101.0kPa

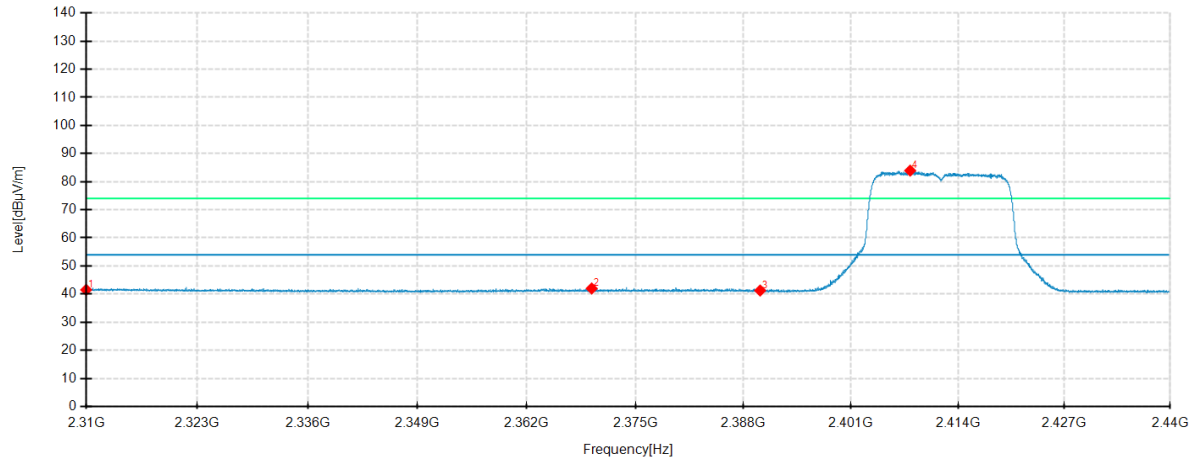
Tested By: Chen Xiacong

Detector mode: Average

Voltage: DC 13.5V

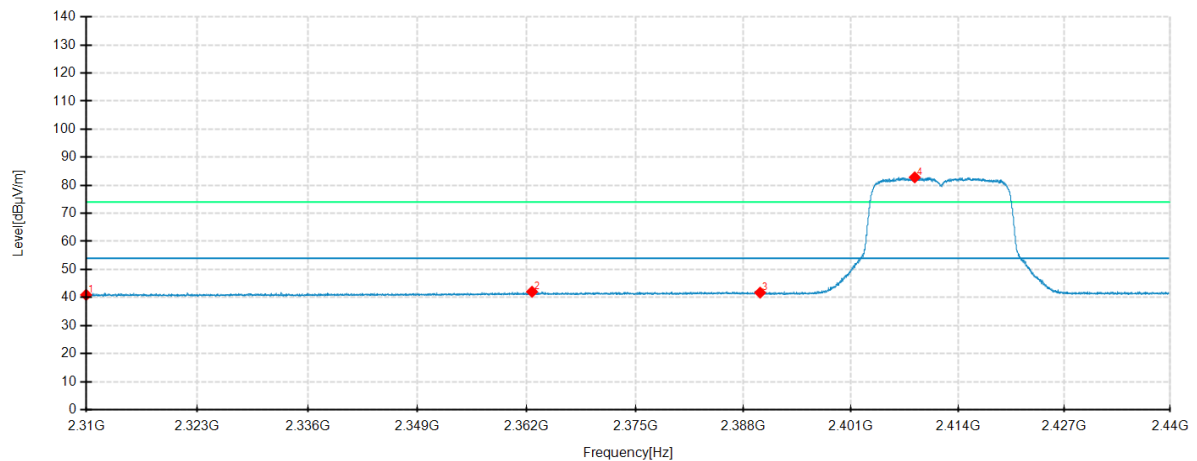
Date: 2023-05-10

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	2310	31.74	41.51	9.77	54.00	12.49	100	300	Horizontal	/
2	2369.7512	32.93	41.99	9.06	54.00	12.01	100	300	Horizontal	/
3	2390	32.15	41.26	9.11	54.00	12.74	200	314	Horizontal	/
4	2408.1825	74.83	83.93	9.10	54.00	-29.93	200	305	Horizontal	No limit
1	2310	31.85	40.92	9.07	54.00	13.08	100	189	Vertical	/
2	2362.6175	32.79	42.04	9.25	54.00	11.96	100	345	Vertical	/
3	2390	32.19	41.72	9.53	54.00	12.28	100	325	Vertical	/
4	2408.735	73.21	82.83	9.62	54.00	-28.83	100	345	Vertical	No limit

802.11g mode ANT2**Highest Channel**

Frequency 2462MHz

Environment: 23.2℃/63%RH/101.0kPa

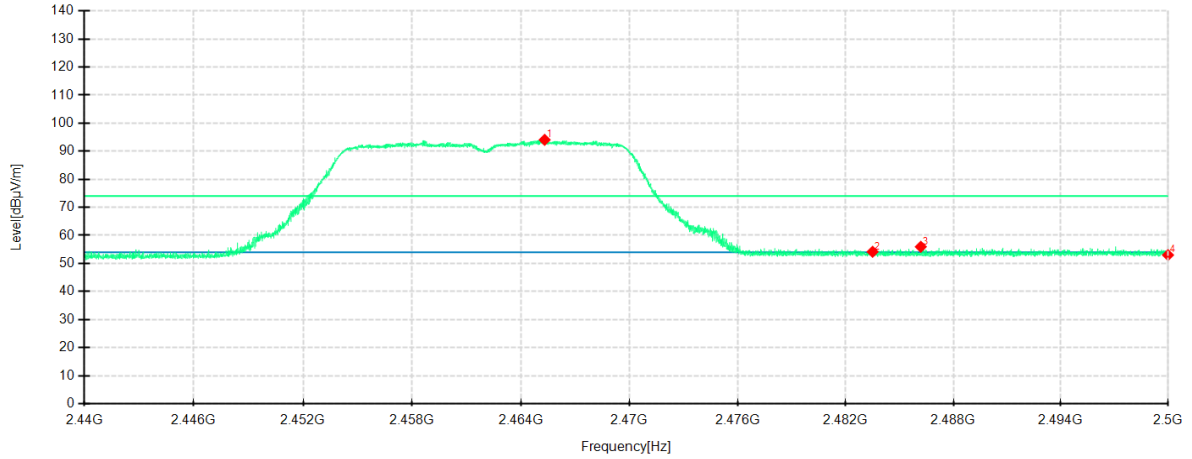
Tested By: Chen Xiacong

Detector mode: Peak

Voltage: DC 13.5V

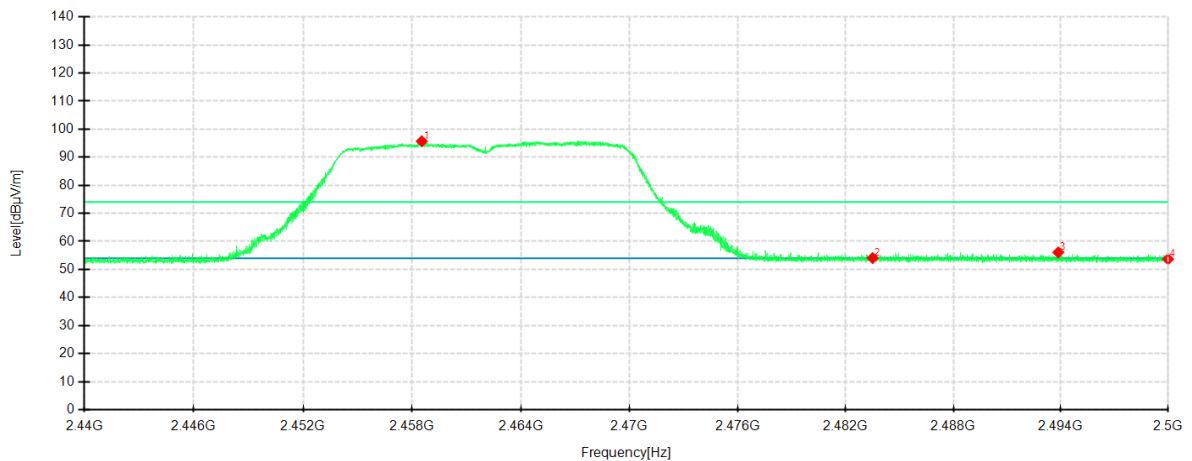
Date: 2023-05-10

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	2465.3125	84.78	94.06	9.28	74.00	-20.06	100	299	Horizontal	No limit
2	2483.5	44.48	54.16	9.68	74.00	19.84	200	226	Horizontal	/
3	2486.185	46.20	55.94	9.74	74.00	18.06	100	289	Horizontal	/
4	2500	42.94	52.99	10.05	74.00	21.01	100	360	Horizontal	/
1	2458.5325	86.09	95.69	9.60	74.00	-21.69	100	33	Vertical	No limit
2	2483.5	44.31	54.06	9.75	74.00	19.94	200	54	Vertical	/
3	2493.8575	46.27	56.08	9.81	74.00	17.92	100	335	Vertical	/
4	2500	43.82	53.67	9.85	74.00	20.33	200	308	Vertical	/

802.11g mode ANT2**Highest Channel**

Frequency 2462MHz

Environment: 23.2°C/63%RH/101.0kPa

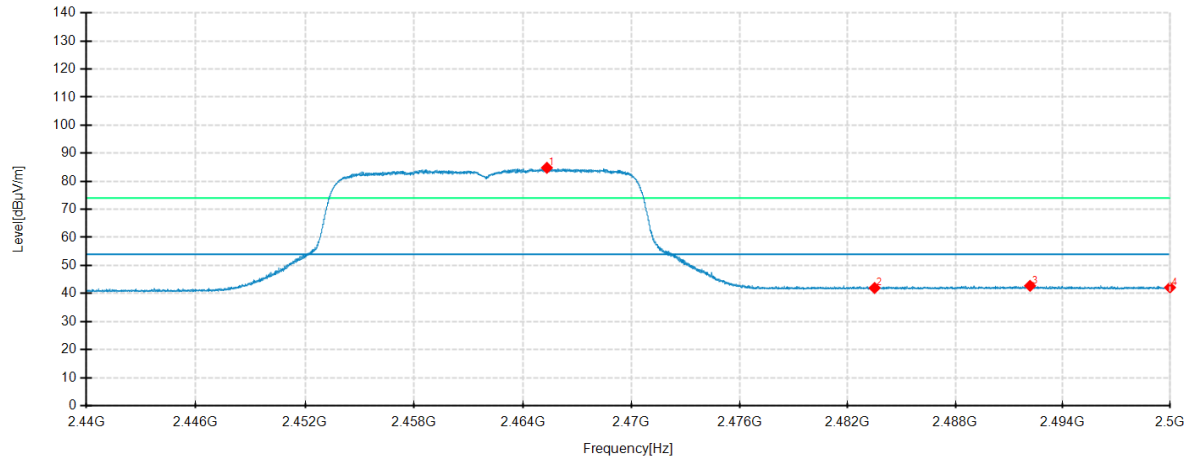
Tested By: Chen Xiaocong

Detector mode: Average

Voltage: DC 13.5V

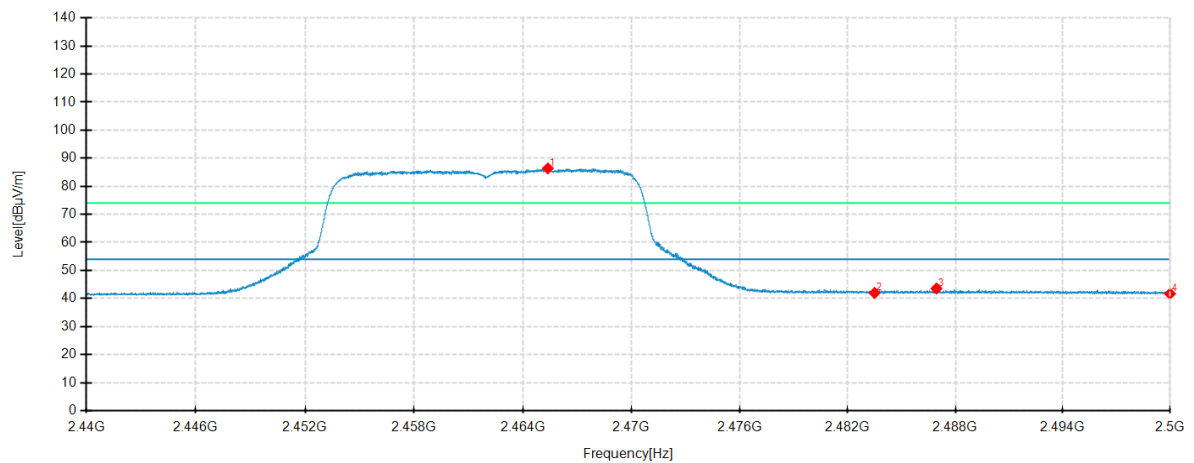
Date: 2023-05-10

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	2465.3275	75.52	84.80	9.28	54.00	-30.80	100	307	Horizontal	No limit
2	2483.5	32.28	41.96	9.68	54.00	12.04	100	16	Horizontal	/
3	2492.17	32.85	42.73	9.88	54.00	11.27	200	298	Horizontal	/
4	2500	32.07	42.12	10.05	54.00	11.88	200	151	Horizontal	/
1	2465.38	76.75	86.38	9.63	54.00	-32.38	100	31	Vertical	No limit
2	2483.5	32.22	41.97	9.75	54.00	12.03	200	35	Vertical	/
3	2486.95	33.80	43.57	9.77	54.00	10.43	100	31	Vertical	/
4	2500	31.84	41.69	9.85	54.00	12.31	100	20	Vertical	/

802.11n HT20 mode ANT1**Lowest Channel**

Frequency 2412MHz

Environment: 23.6°C/52%RH/101.0kPa

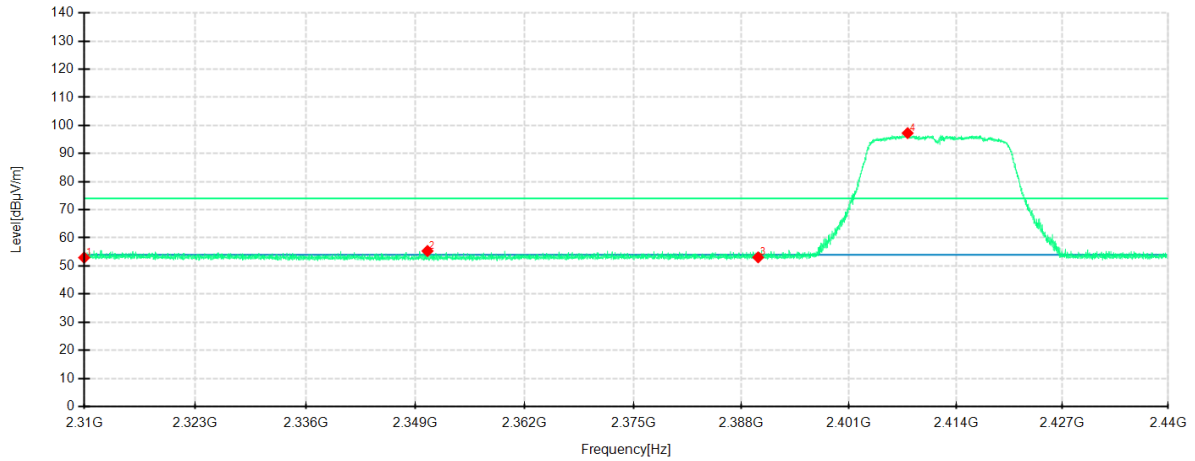
Tested By: Chen xiaocong

Detector mode: Peak

Voltage: DC 13.5V

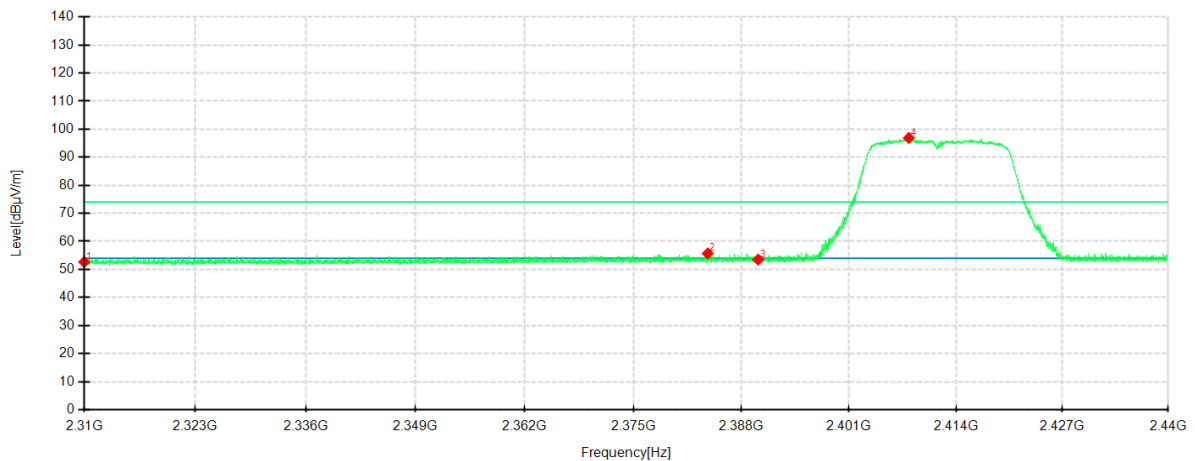
Date: 2023-05-10

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	2310	43.20	52.97	9.77	74.00	21.03	100	214	Horizontal	/
2	2350.4138	46.30	55.32	9.02	74.00	18.68	200	297	Horizontal	/
3	2390	43.95	53.06	9.11	74.00	20.94	200	306	Horizontal	/
4	2408.1175	88.17	97.27	9.10	74.00	-23.27	100	16	Horizontal	No limit
1	2310	43.58	52.65	9.07	74.00	21.35	100	160	Vertical	/
2	2383.9212	46.20	55.67	9.47	74.00	18.33	100	336	Vertical	/
3	2390	43.96	53.49	9.53	74.00	20.51	100	102	Vertical	/
4	2408.2638	87.25	96.87	9.62	74.00	-22.87	100	326	Vertical	No limit

802.11n HT20 mode ANT1**Lowest Channel**

Frequency 2412MHz

Environment: 23.6°C/52%RH/101.0kPa

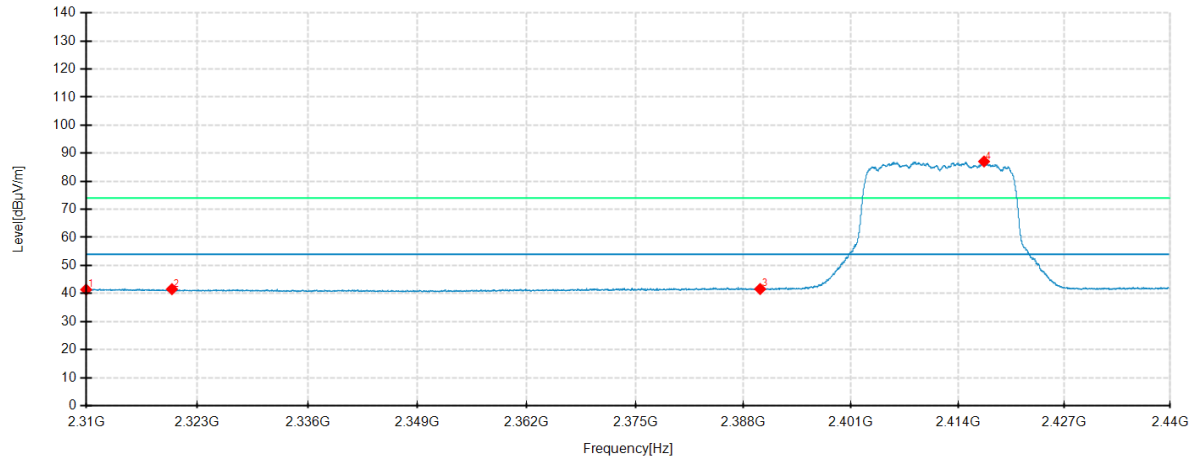
Tested By: Chen xiacong

Detector mode: Average

Voltage: DC 13.5V

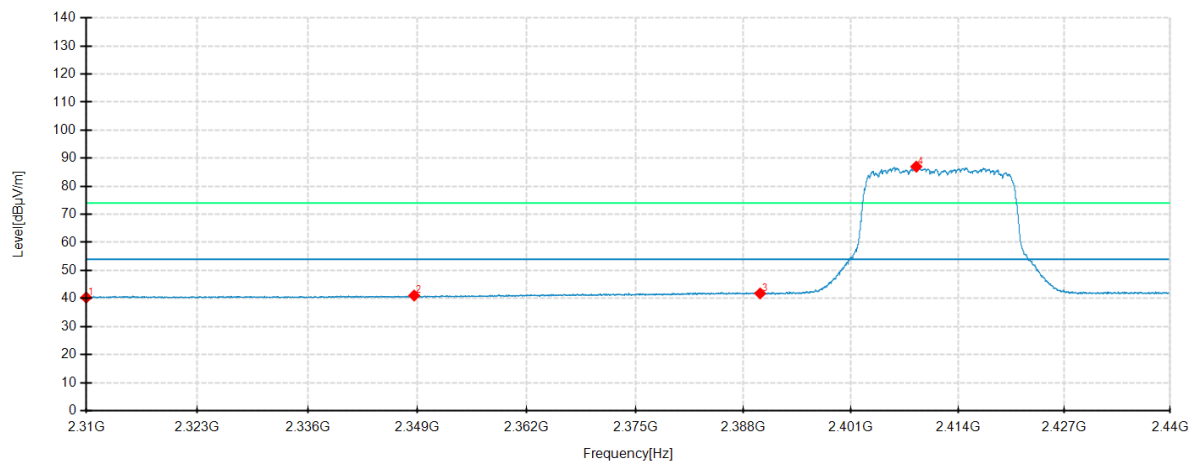
Date: 2023-05-10

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	2310	31.61	41.38	9.77	54.00	12.62	100	16	Horizontal	/
2	2320.0262	31.96	41.54	9.58	54.00	12.46	100	55	Horizontal	/
3	2390	32.49	41.60	9.11	54.00	12.40	100	55	Horizontal	/
4	2417.185	77.99	87.05	9.06	54.00	-33.05	100	55	Horizontal	No limit
1	2310	31.27	40.34	9.07	54.00	13.66	200	141	Vertical	/
2	2348.5938	31.92	41.04	9.12	54.00	12.96	100	325	Vertical	/
3	2390	32.27	41.80	9.53	54.00	12.20	100	346	Vertical	/
4	2408.93	77.38	87.00	9.62	54.00	-33.00	100	336	Vertical	No limit

802.11n HT20 mode ANT1**Highest Channel**

Frequency 2462MHz

Environment: 23.6°C/52%RH/101.0kPa

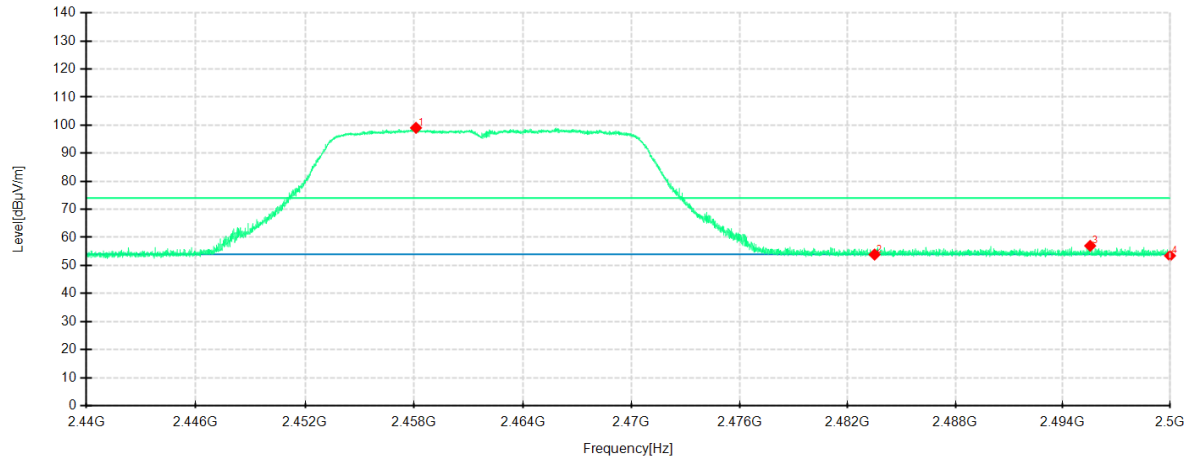
Tested By: Chen xiaocong

Detector mode: Peak

Voltage: DC 13.5V

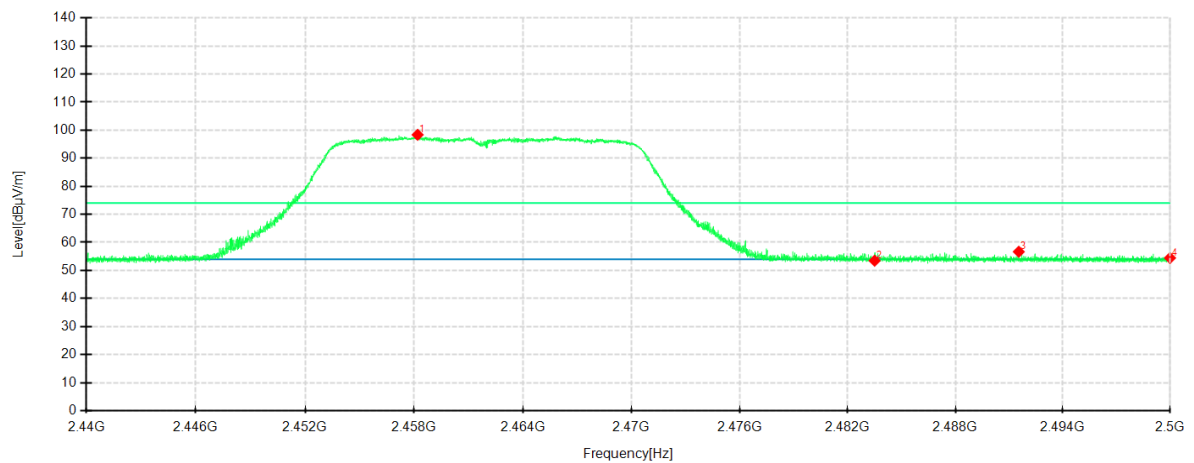
Date: 2023-05-10

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	2458.105	89.93	99.05	9.12	74.00	-25.05	100	360	Horizontal	No limit
2	2483.5	44.19	53.87	9.68	74.00	20.13	100	153	Horizontal	/
3	2495.53	47.04	56.99	9.95	74.00	17.01	100	17	Horizontal	/
4	2500	43.41	53.46	10.05	74.00	20.54	100	17	Horizontal	/
1	2458.195	88.76	98.35	9.59	74.00	-24.35	100	344	Vertical	No limit
2	2483.5	43.72	53.47	9.75	74.00	20.53	200	26	Vertical	/
3	2491.54	46.87	56.66	9.79	74.00	17.34	100	344	Vertical	/
4	2500	44.60	54.45	9.85	74.00	19.55	200	143	Vertical	/

802.11n HT20 mode ANT1**Highest Channel**

Frequency 2462MHz

Environment: 23.6°C/52%RH/101.0kPa

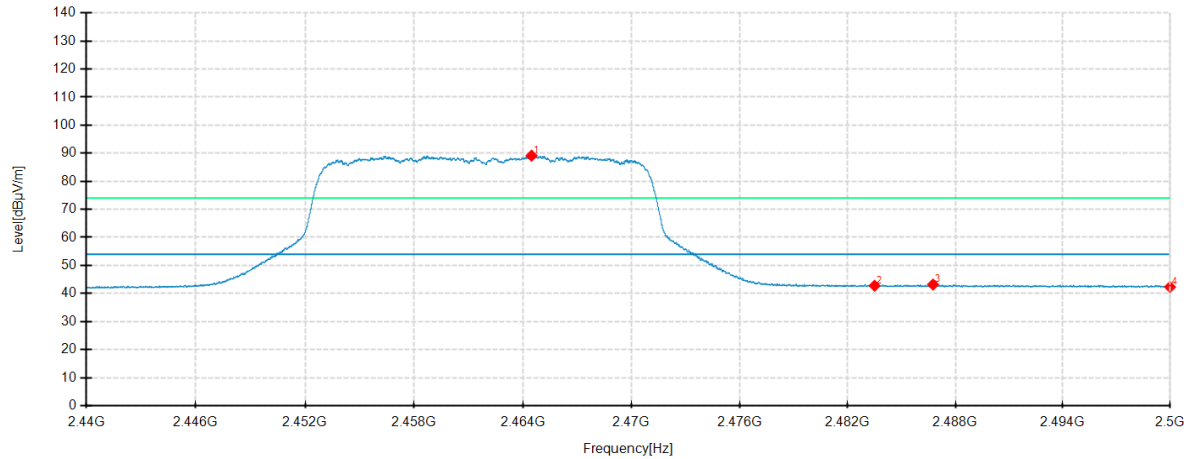
Tested By: Chen xiaocong

Detector mode: Average

Voltage: DC 13.5V

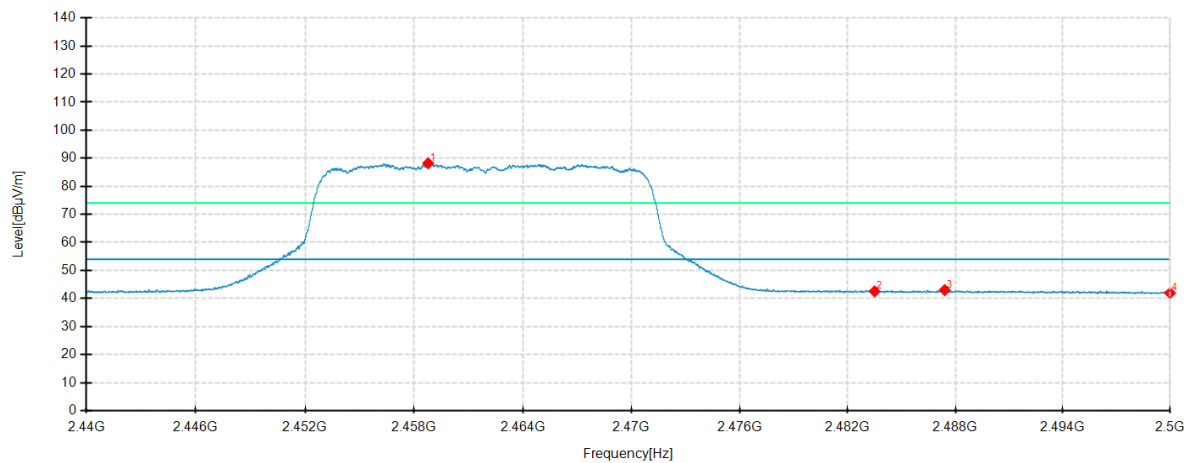
Date: 2023-05-10

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	2464.48	79.87	89.13	9.26	54.00	-35.13	100	17	Horizontal	No limit
2	2483.5	33.09	42.77	9.68	54.00	11.23	100	17	Horizontal	/
3	2486.755	33.44	43.19	9.75	54.00	10.81	200	0	Horizontal	/
4	2500	32.27	42.32	10.05	54.00	11.68	100	357	Horizontal	/
1	2458.7725	78.59	88.19	9.60	54.00	-34.19	100	344	Vertical	No limit
2	2483.5	32.79	42.54	9.75	54.00	11.46	100	344	Vertical	/
3	2487.4075	33.21	42.98	9.77	54.00	11.02	100	344	Vertical	/
4	2500	32.09	41.94	9.85	54.00	12.06	100	344	Vertical	/

802.11n HT20 mode ANT2**Lowest Channel**

Frequency 2412MHz

Environment: 21.7°C/64%RH/101.0kPa

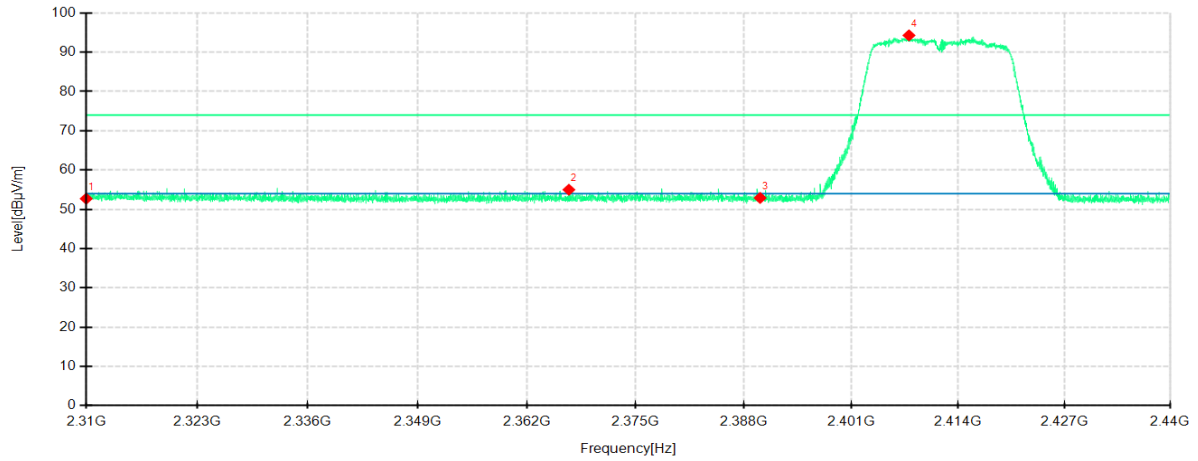
Tested By: Chen xiaocong

Detector mode: Peak

Voltage: DC 13.5V

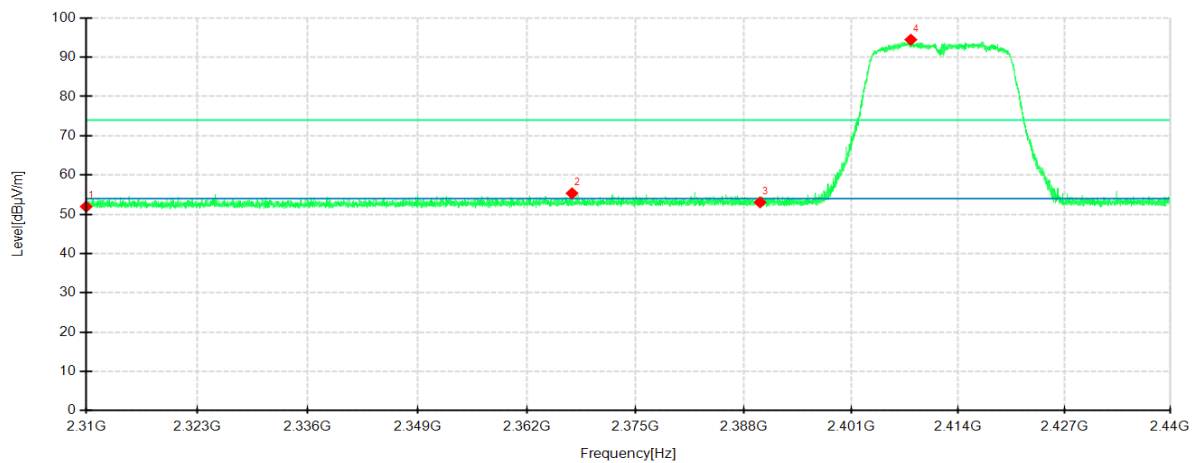
Date: 2023-05-10

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	2310	42.94	52.71	9.77	74.00	21.29	200	297	Horizontal	/
2	2367.0212	45.93	54.99	9.06	74.00	19.01	100	302	Horizontal	/
3	2390	43.80	52.91	9.11	74.00	21.09	100	19	Horizontal	/
4	2408.0362	85.20	94.30	9.10	74.00	-20.30	100	302	Horizontal	No limit
1	2310	42.89	51.96	9.07	74.00	22.04	200	237	Vertical	/
2	2367.395	46.06	55.36	9.30	74.00	18.64	200	31	Vertical	/
3	2390	43.51	53.04	9.53	74.00	20.96	100	94	Vertical	/
4	2408.2638	84.84	94.46	9.62	74.00	-20.46	100	338	Vertical	No limit

802.11n HT20 mode ANT2**Lowest Channel**

Frequency 2412MHz

Environment: 21.7°C/64%RH/101.0kPa

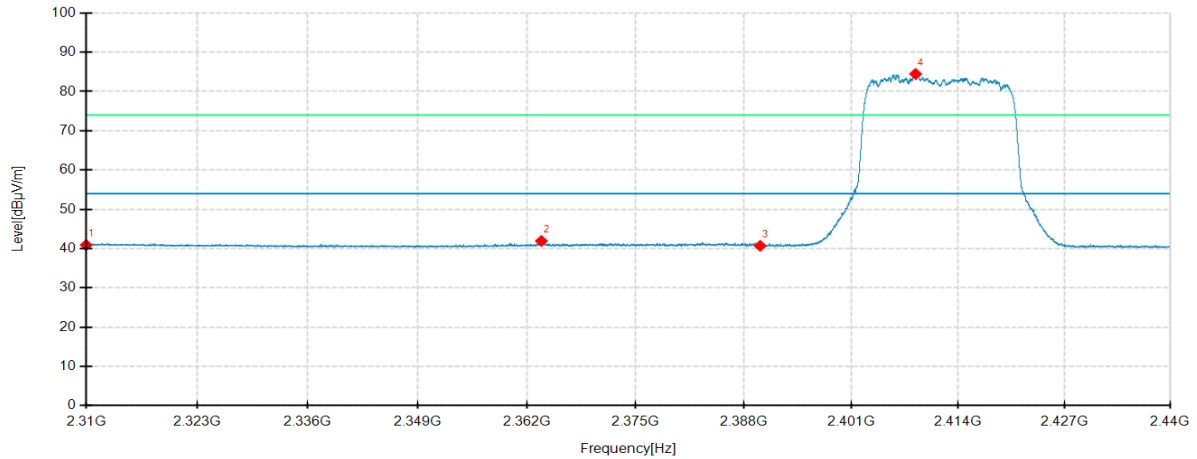
Tested By: Chen xiacong

Detector mode: Average

Voltage: DC 13.5V

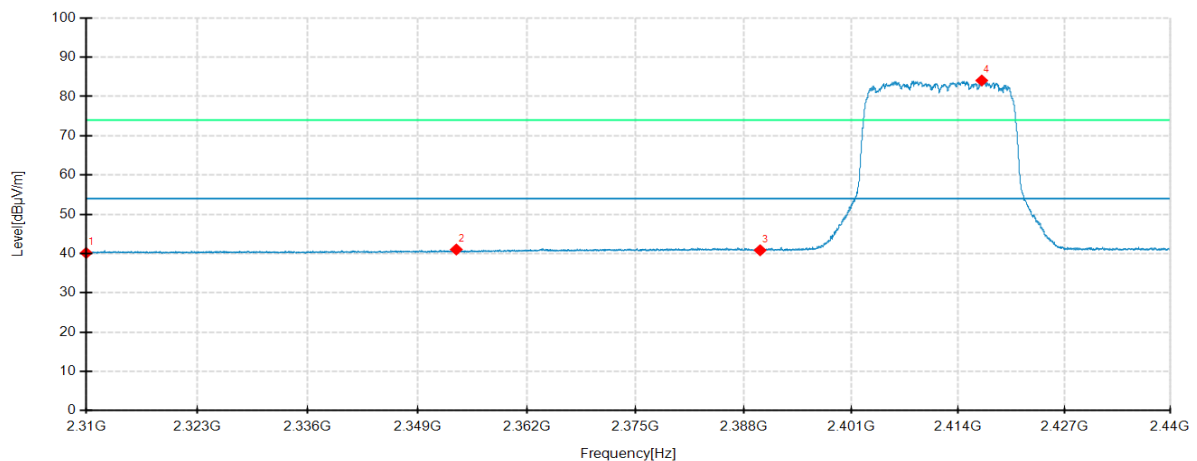
Date: 2023-05-10

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	2310	31.14	40.91	9.77	54.00	13.09	100	196	Horizontal	/
2	2363.7388	32.87	41.93	9.06	54.00	12.07	100	305	Horizontal	/
3	2390	31.59	40.70	9.11	54.00	13.30	100	316	Horizontal	/
4	2408.8325	75.38	84.48	9.10	54.00	-30.48	200	308	Horizontal	No limit
1	2310	31.10	40.17	9.07	54.00	13.83	200	110	Vertical	/
2	2353.5988	31.89	41.04	9.15	54.00	12.96	100	357	Vertical	/
3	2390	31.31	40.84	9.53	54.00	13.16	200	334	Vertical	/
4	2416.9088	74.48	84.08	9.60	54.00	-30.08	100	25	Vertical	No limit

802.11n HT20 mode ANT2**Highest Channel**

Frequency 2462MHz

Environment: 21.7°C/64%RH/101.0kPa

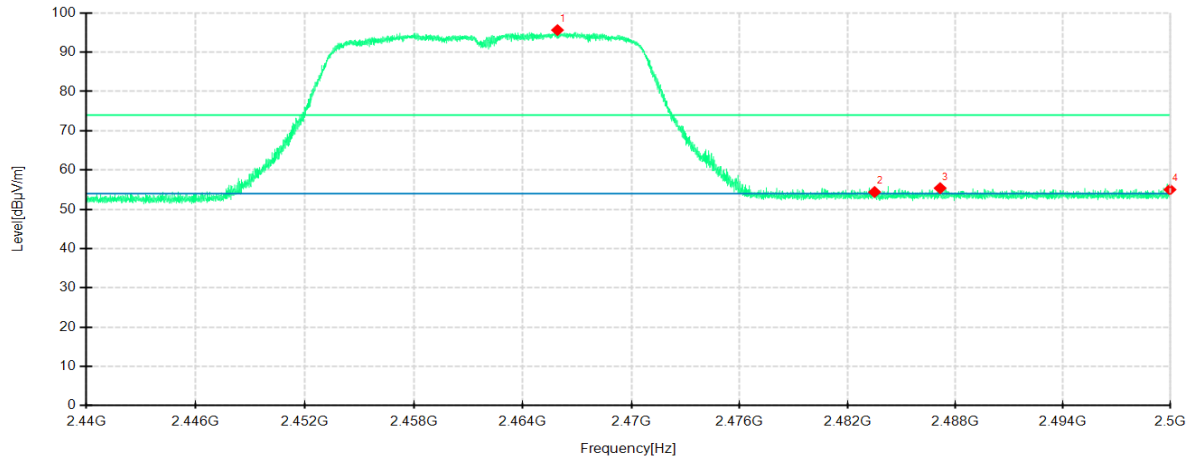
Tested By: Chen xiaocong

Detector mode: Peak

Voltage: DC 13.5V

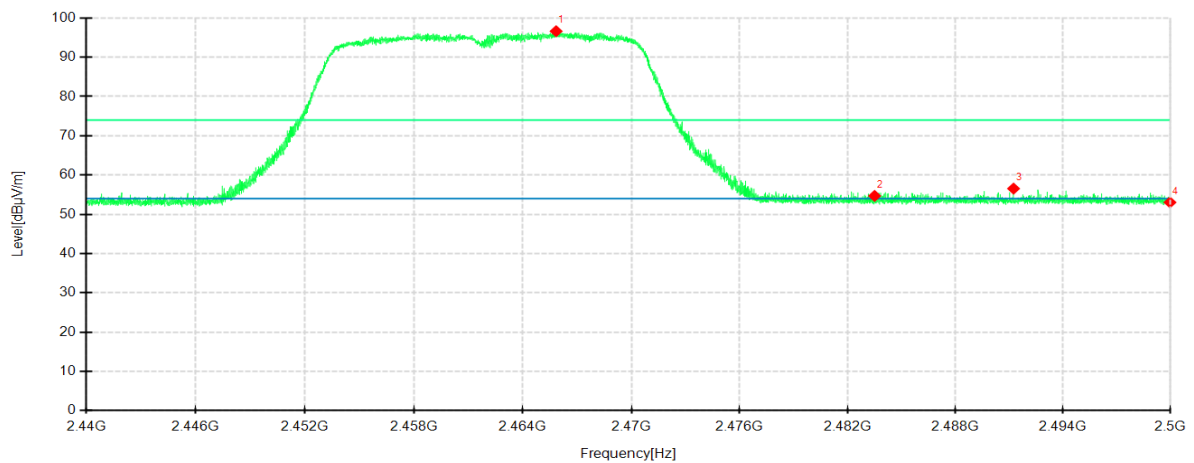
Date: 2023-05-10

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	2465.9125	86.34	95.64	9.30	74.00	-21.64	100	306	Horizontal	No limit
2	2483.5	44.73	54.41	9.68	74.00	19.59	100	297	Horizontal	/
3	2487.1525	45.62	55.39	9.77	74.00	18.61	200	14	Horizontal	/
4	2500	44.97	55.02	10.05	74.00	18.98	100	0	Horizontal	/
1	2465.8375	86.99	96.63	9.64	74.00	-22.63	100	24	Vertical	No limit
2	2483.5	44.94	54.69	9.75	74.00	19.31	100	24	Vertical	/
3	2491.2475	46.76	56.55	9.79	74.00	17.45	100	44	Vertical	/
4	2500	43.20	53.05	9.85	74.00	20.95	100	63	Vertical	/

802.11n HT20 mode ANT2**Highest Channel**

Frequency 2462MHz

Environment: 21.7°C/64%RH/101.0kPa

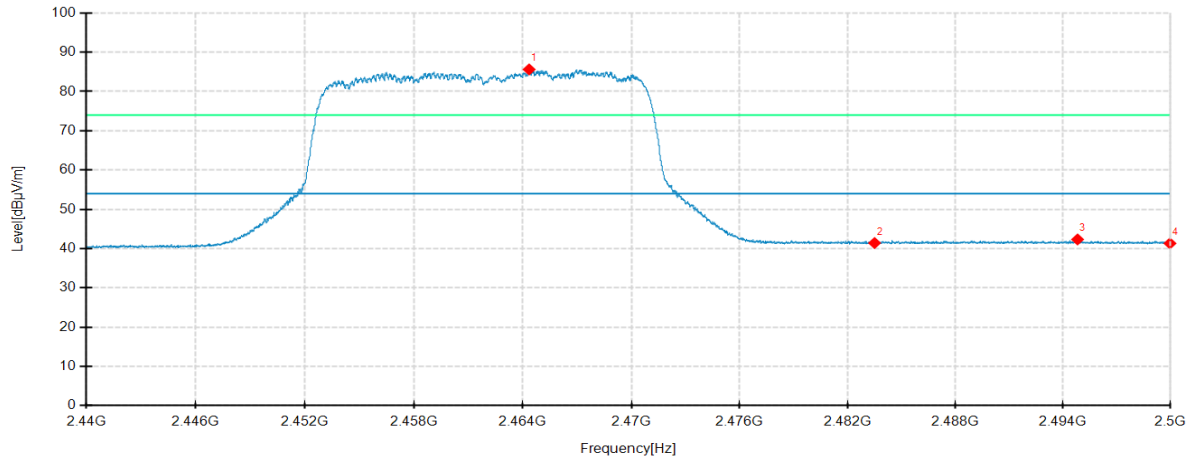
Tested By: Chen xiaocong

Detector mode: Average

Voltage: DC 13.5V

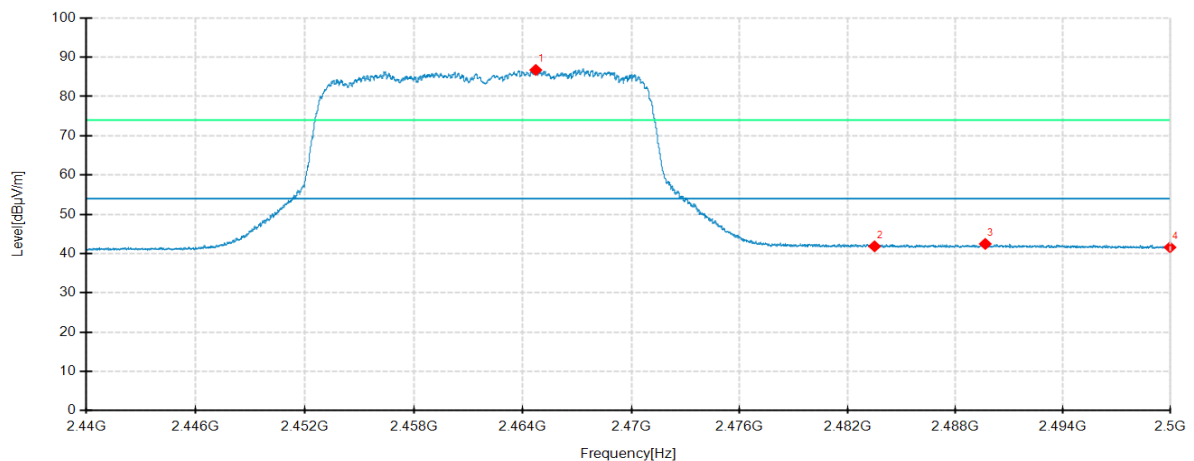
Date: 2023-05-10

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	2464.345	76.36	85.62	9.26	54.00	-31.62	100	315	Horizontal	No limit
2	2483.5	31.74	41.42	9.68	54.00	12.58	100	13	Horizontal	/
3	2494.825	32.39	42.33	9.94	54.00	11.67	100	3	Horizontal	/
4	2500	31.27	41.32	10.05	54.00	12.68	100	287	Horizontal	/
1	2464.7125	77.13	86.76	9.63	54.00	-32.76	100	25	Vertical	No limit
2	2483.5	32.11	41.86	9.75	54.00	12.14	100	25	Vertical	/
3	2489.6725	32.68	42.47	9.79	54.00	11.53	100	14	Vertical	/
4	2500	31.74	41.59	9.85	54.00	12.41	100	25	Vertical	/

802.11n HT40 mode ANT1**Lowest Channel**

Frequency 2422MHz

Environment: 21.7°C/64%RH/101.0kPa

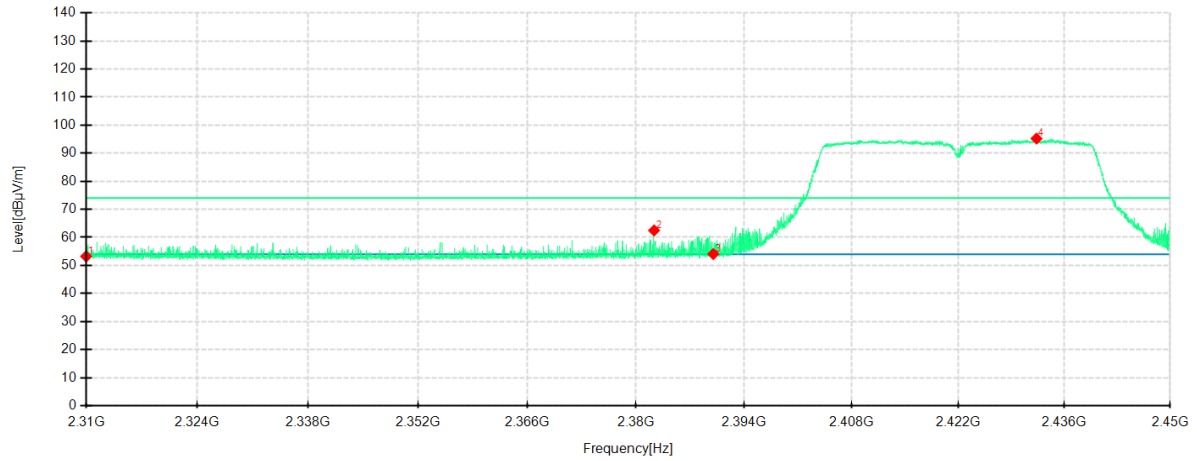
Tested By: Chen xiacong

Detector mode: Peak

Voltage: DC 13.5V

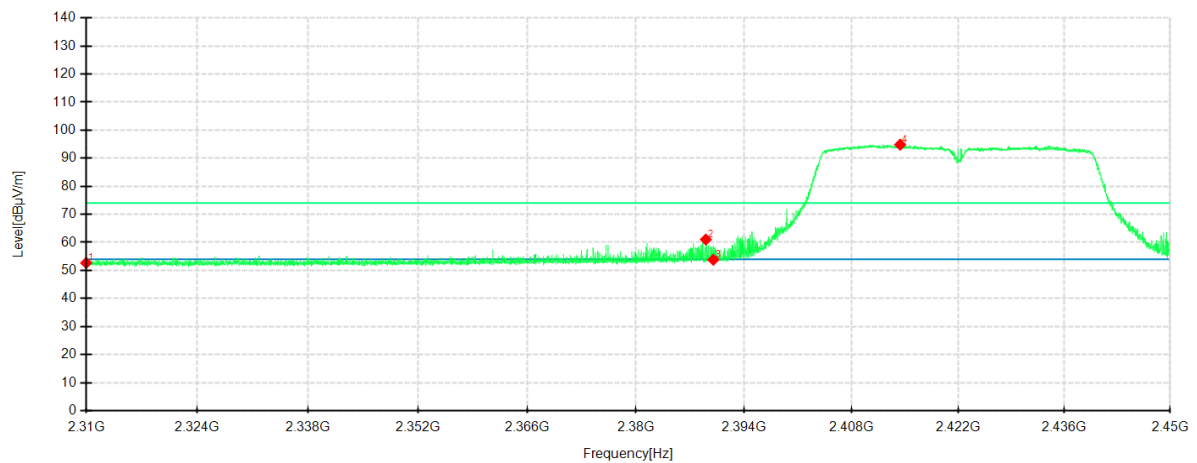
Date: 2023-05-10

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	2310	43.46	53.23	9.77	74.00	20.77	100	250	Horizontal	/
2	2382.3275	53.39	62.48	9.09	74.00	11.52	100	46	Horizontal	/
3	2390	44.95	54.06	9.11	74.00	19.94	100	360	Horizontal	/
4	2432.3075	86.22	95.23	9.01	74.00	-21.23	100	46	Horizontal	No limit
1	2310	43.60	52.67	9.07	74.00	21.33	200	289	Vertical	/
2	2389.03	51.48	61.00	9.52	74.00	13.00	100	345	Vertical	/
3	2390	44.28	53.81	9.53	74.00	20.19	100	2	Vertical	/
4	2414.37	85.23	94.84	9.61	74.00	-20.84	100	345	Vertical	No limit

802.11n HT40 mode ANT1**Lowest Channel**

Frequency 2422MHz

Environment: 21.7°C/64%RH/101.0kPa

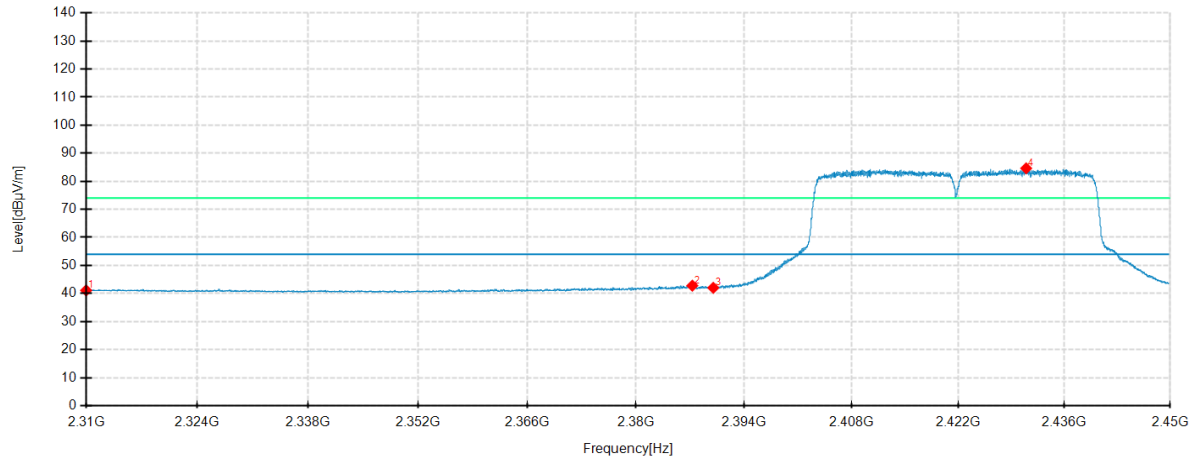
Tested By: Chen xiaocong

Detector mode: Average

Voltage: DC 13.5V

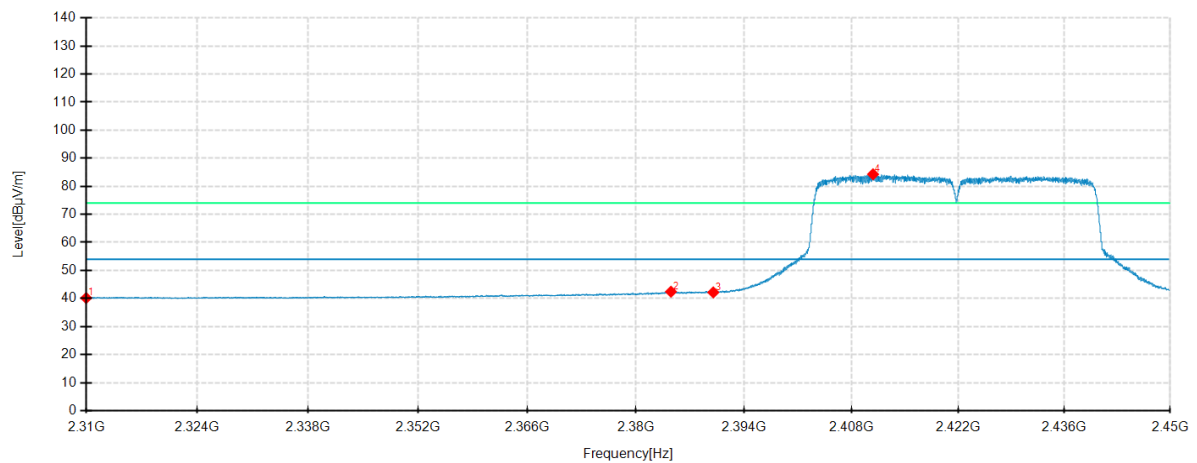
Date: 2023-05-10

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	2310	31.34	41.11	9.77	54.00	12.89	100	17	Horizontal	/
2	2387.28	33.69	42.79	9.10	54.00	11.21	100	54	Horizontal	/
3	2390	32.90	42.01	9.11	54.00	11.99	200	344	Horizontal	/
4	2430.9425	75.61	84.62	9.01	54.00	-30.62	100	54	Horizontal	No limit
1	2310	31.10	40.17	9.07	54.00	13.83	100	228	Vertical	/
2	2384.515	32.94	42.41	9.47	54.00	11.59	100	324	Vertical	/
3	2390	32.63	42.16	9.53	54.00	11.84	100	334	Vertical	/
4	2410.8175	74.67	84.28	9.61	54.00	-30.28	100	344	Vertical	No limit

802.11n HT40 mode ANT1**Highest Channel**

Frequency 2452MHz

Environment: 21.7°C/64%RH/101.0kPa

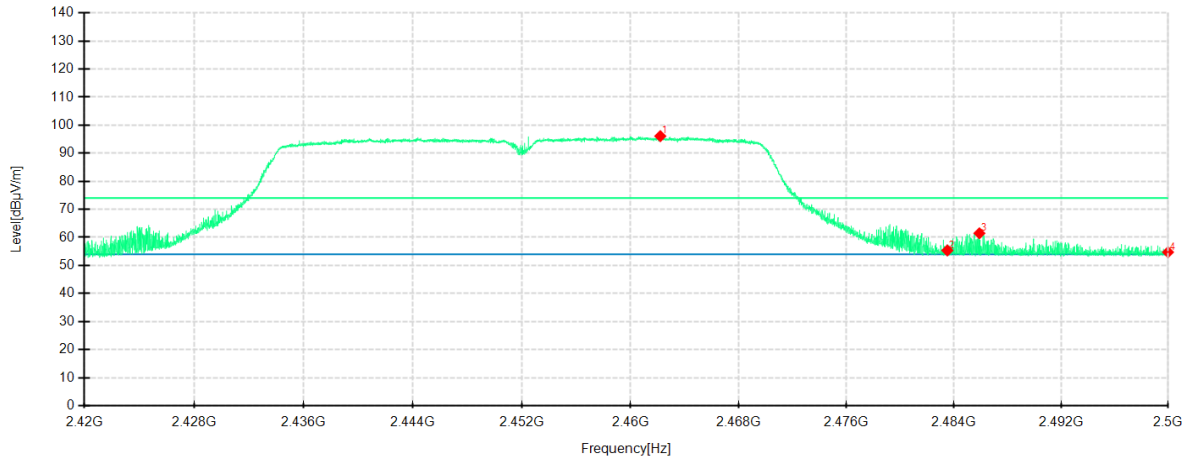
Tested By: Chen xiaocong

Detector mode: Peak

Voltage: DC 13.5V

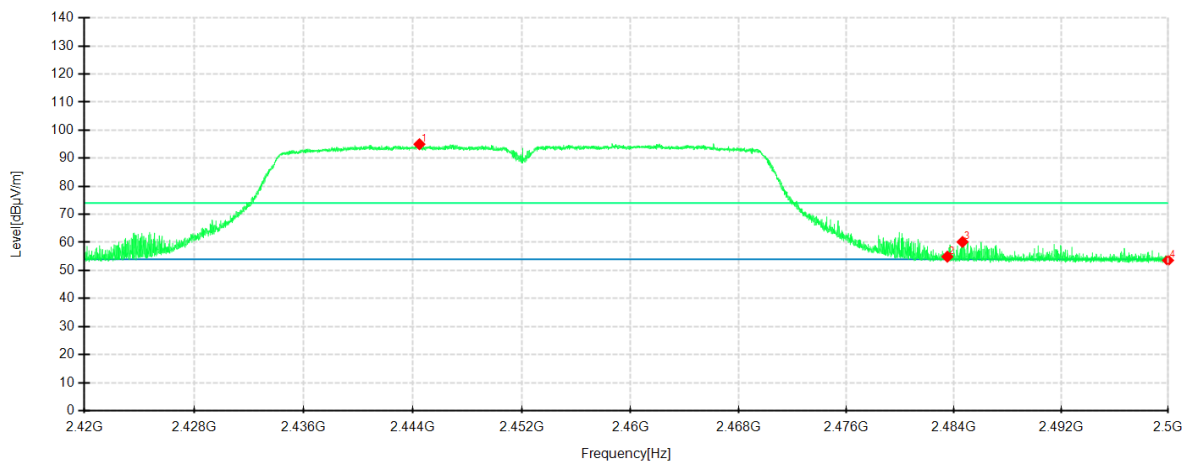
Date: 2023-05-10

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	2462.2	86.89	96.10	9.21	74.00	-22.10	100	360	Horizontal	No limit
2	2483.5	45.66	55.34	9.68	74.00	18.66	200	4	Horizontal	/
3	2485.89	51.73	61.47	9.74	74.00	12.53	100	15	Horizontal	/
4	2500	44.67	54.72	10.05	74.00	19.28	100	164	Horizontal	/
1	2444.47	85.45	95.00	9.55	74.00	-21.00	100	345	Vertical	No limit
2	2483.5	45.14	54.89	9.75	74.00	19.11	100	1	Vertical	/
3	2484.63	50.41	60.17	9.76	74.00	13.83	100	345	Vertical	/
4	2500	43.74	53.59	9.85	74.00	20.41	200	222	Vertical	/

802.11n HT40 mode ANT1**Highest Channel**

Frequency 2452MHz

Environment: 21.7°C/64%RH/101.0kPa

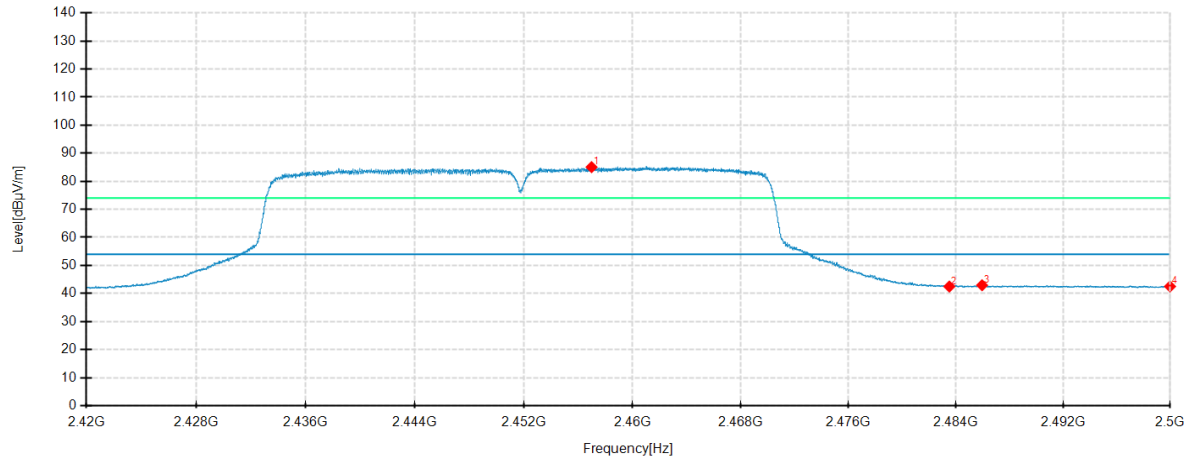
Tested By: Chen xiaocong

Detector mode: Average

Voltage: DC 13.5V

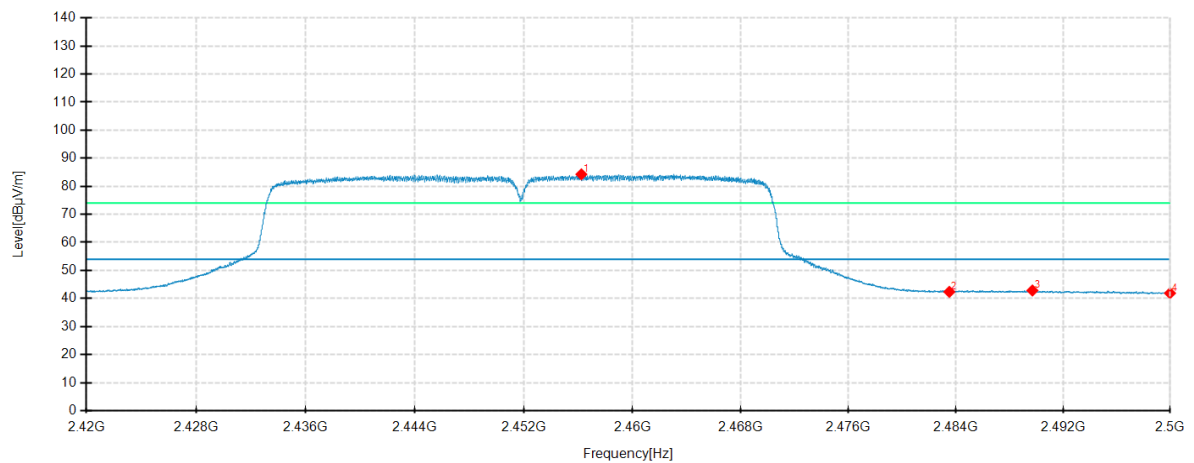
Date: 2023-05-10

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	2456.98	75.94	85.04	9.10	54.00	-31.04	100	16	Horizontal	No limit
2	2483.5	32.80	42.48	9.68	54.00	11.52	200	11	Horizontal	/
3	2485.94	33.20	42.94	9.74	54.00	11.06	100	16	Horizontal	/
4	2500	32.46	42.51	10.05	54.00	11.49	100	16	Horizontal	/
1	2456.23	74.69	84.27	9.58	54.00	-30.27	100	335	Vertical	No limit
2	2483.5	32.62	42.37	9.75	54.00	11.63	100	12	Vertical	/
3	2489.7	33.06	42.85	9.79	54.00	11.15	100	335	Vertical	/
4	2500	32.02	41.87	9.85	54.00	12.13	100	335	Vertical	/

802.11n HT40 mode ANT2**Lowest Channel**

Frequency 2422MHz

Environment: 21.7°C/64%RH/101.0kPa

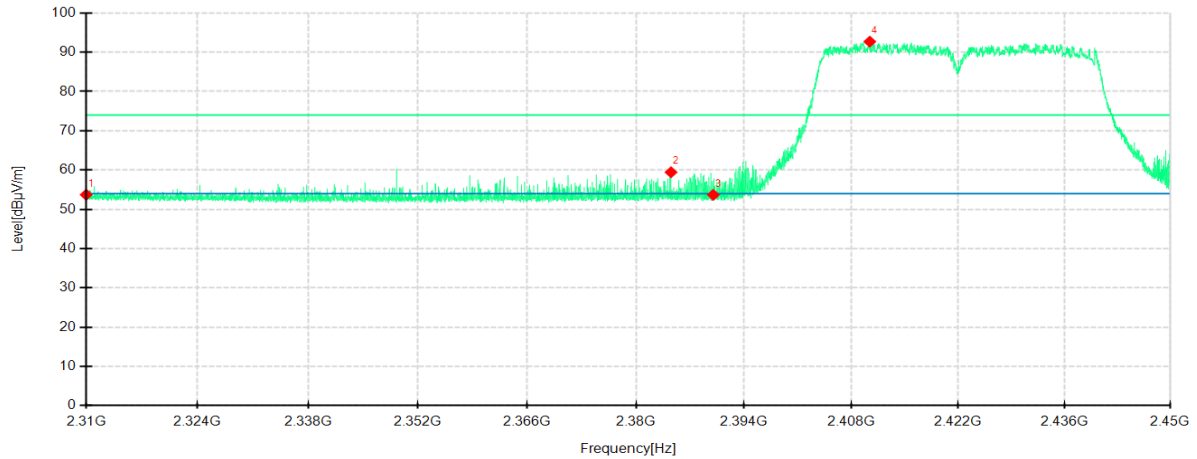
Tested By: Chen xiaocong

Detector mode: Peak

Voltage: DC 13.5V

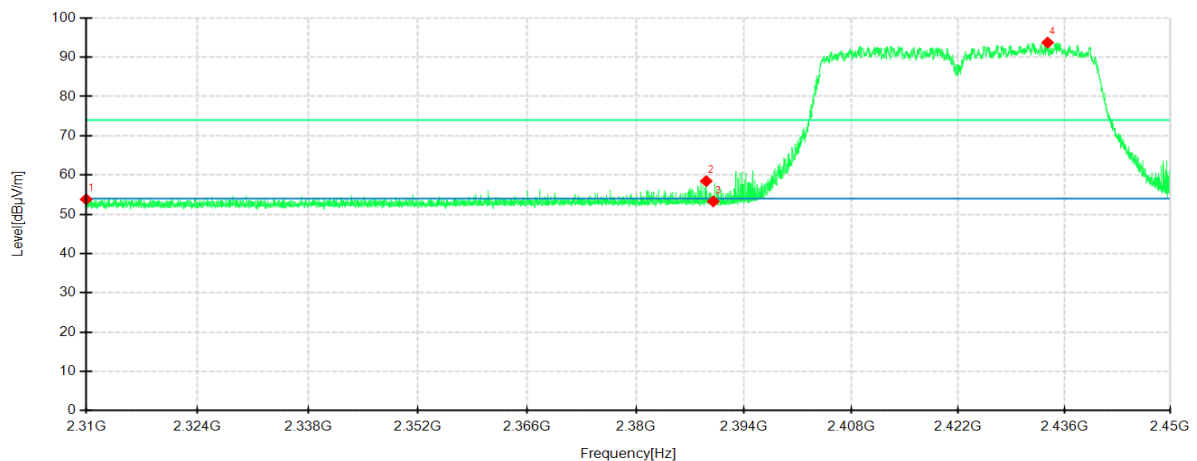
Date: 2023-05-10

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	2310	43.95	53.72	9.77	74.00	20.28	200	357	Horizontal	/
2	2384.5225	50.35	59.44	9.09	74.00	14.56	100	303	Horizontal	/
3	2390	44.57	53.68	9.11	74.00	20.32	100	303	Horizontal	/
4	2410.3925	83.61	92.70	9.09	74.00	-18.70	100	303	Horizontal	No limit
1	2310	44.74	53.81	9.07	74.00	20.19	100	349	Vertical	/
2	2389.0888	48.94	58.46	9.52	74.00	15.54	100	26	Vertical	/
3	2390	43.75	53.28	9.53	74.00	20.72	100	26	Vertical	/
4	2433.7762	84.16	93.73	9.57	74.00	-19.73	100	26	Vertical	No limit

802.11n HT40 mode ANT2**Lowest Channel**

Frequency 2422MHz

Environment: 21.7°C/64%RH/101.0kPa

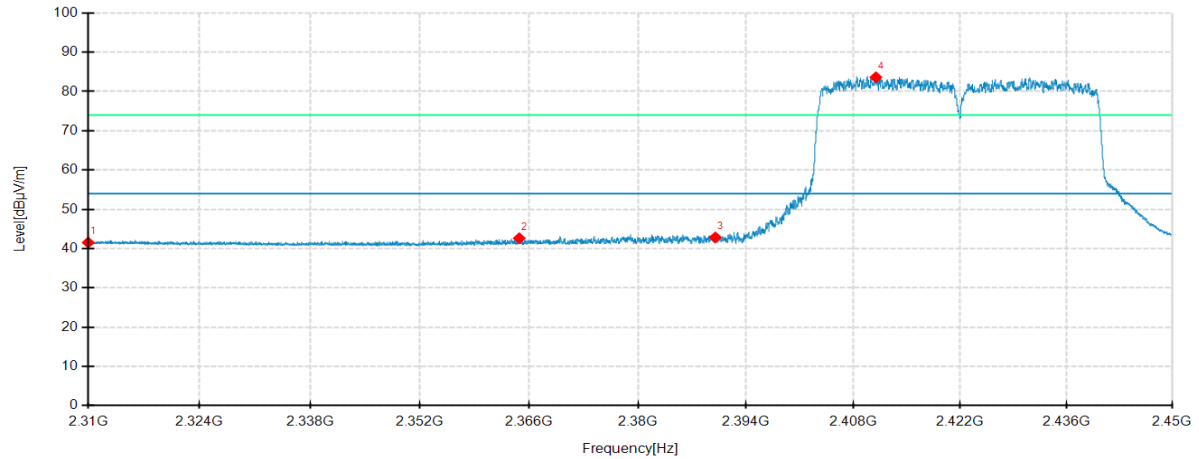
Tested By: Chen xiacong

Detector mode: Average

Voltage: DC 13.5V

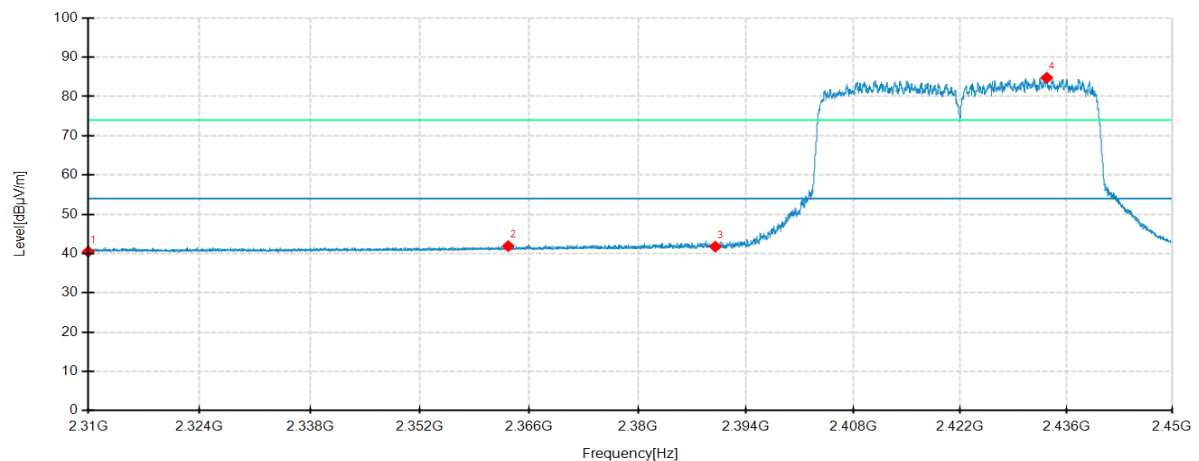
Date: 2023-05-10

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	2310	31.77	41.54	9.77	54.00	12.46	200	113	Horizontal	/
2	2364.6975	33.58	42.63	9.05	54.00	11.37	200	310	Horizontal	/
3	2390	33.73	42.84	9.11	54.00	11.16	200	300	Horizontal	/
4	2410.9288	74.53	83.62	9.09	54.00	-29.62	100	315	Horizontal	No limit
1	2310	31.43	40.50	9.07	54.00	13.50	100	112	Vertical	/
2	2363.2838	32.65	41.90	9.25	54.00	12.10	100	338	Vertical	/
3	2390	32.25	41.78	9.53	54.00	12.22	200	0	Vertical	/
4	2433.4025	75.21	84.78	9.57	54.00	-30.78	100	26	Vertical	No limit

802.11n HT40 mode ANT2**Highest Channel**

Frequency 2452MHz

Environment: 21.7°C/64%RH/101.0kPa

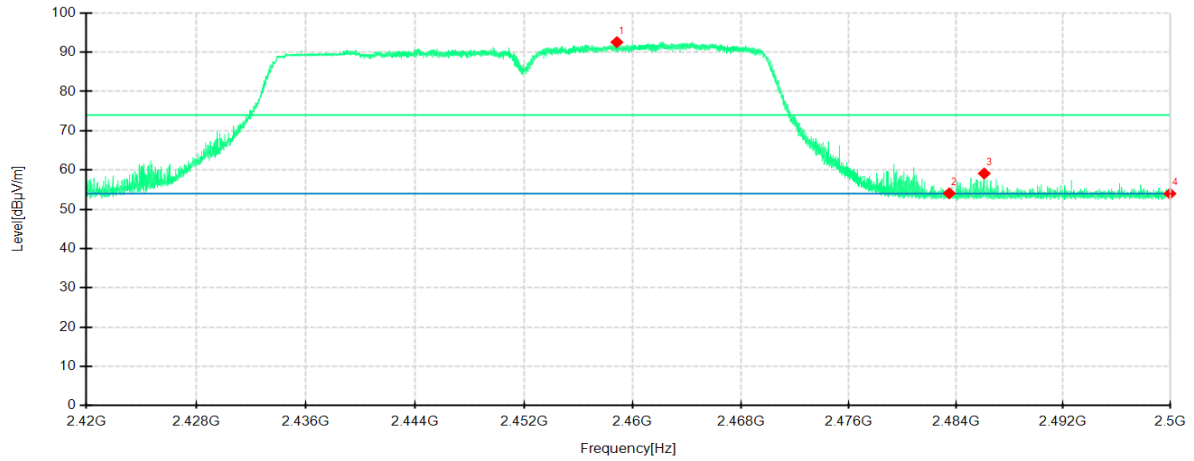
Tested By: Chen xiaocong

Detector mode: Peak

Voltage: DC 13.5V

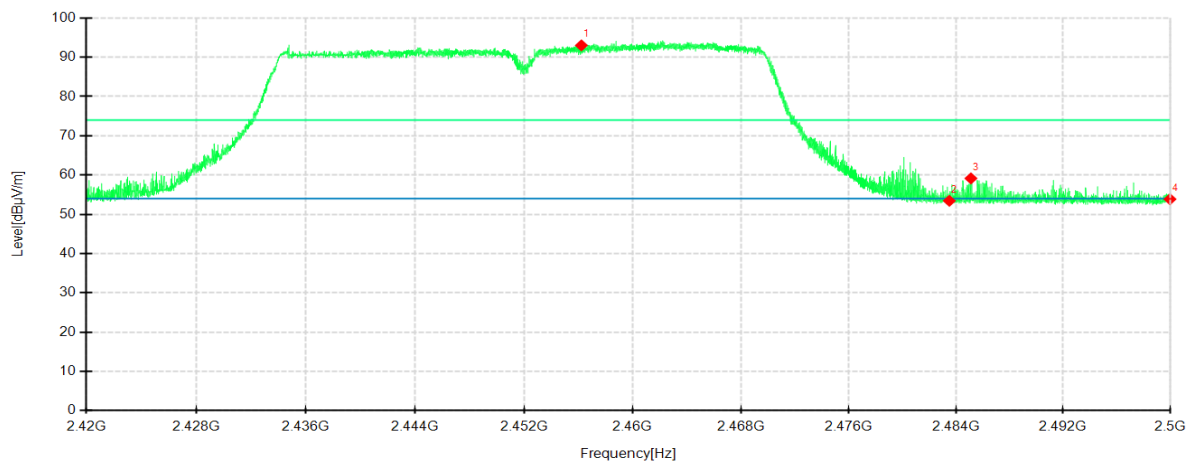
Date: 2023-05-10

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	2458.8475	83.42	92.56	9.14	74.00	-18.56	100	316	Horizontal	No limit
2	2483.5	44.40	54.08	9.68	74.00	19.92	200	318	Horizontal	/
3	2486.1025	49.39	59.13	9.74	74.00	14.87	100	316	Horizontal	/
4	2500	43.93	53.98	10.05	74.00	20.02	100	23	Horizontal	/
1	2456.23	83.44	93.02	9.58	74.00	-19.02	100	26	Vertical	No limit
2	2483.5	43.69	53.44	9.75	74.00	20.56	100	26	Vertical	/
3	2485.1125	49.39	59.15	9.76	74.00	14.85	100	16	Vertical	/
4	2500	44.00	53.85	9.85	74.00	20.15	100	26	Vertical	/

802.11n HT40 mode ANT2**Highest Channel**

Frequency 2452MHz

Environment: 21.7°C/64%RH/101.0kPa

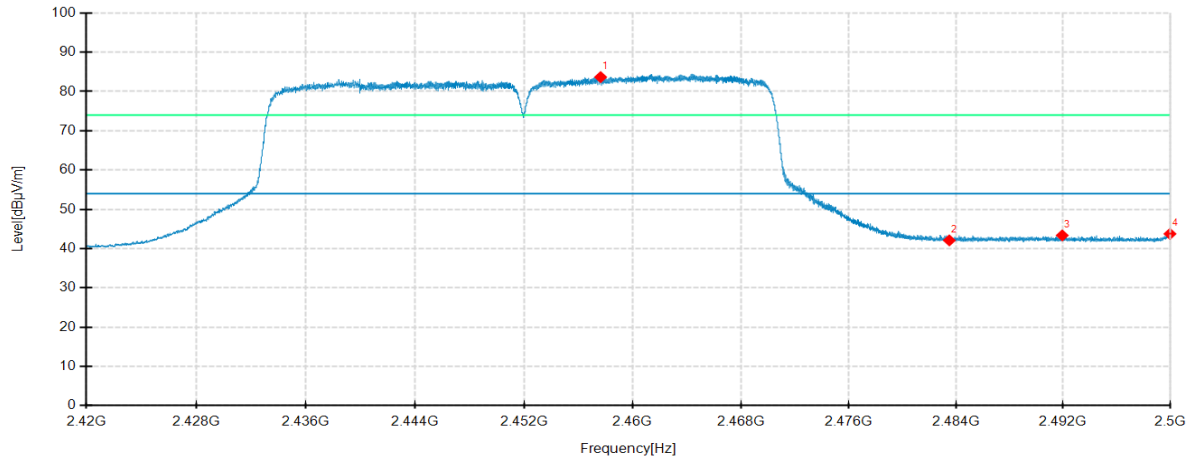
Tested By: Chen xiaocong

Detector mode: Average

Voltage: DC 13.5V

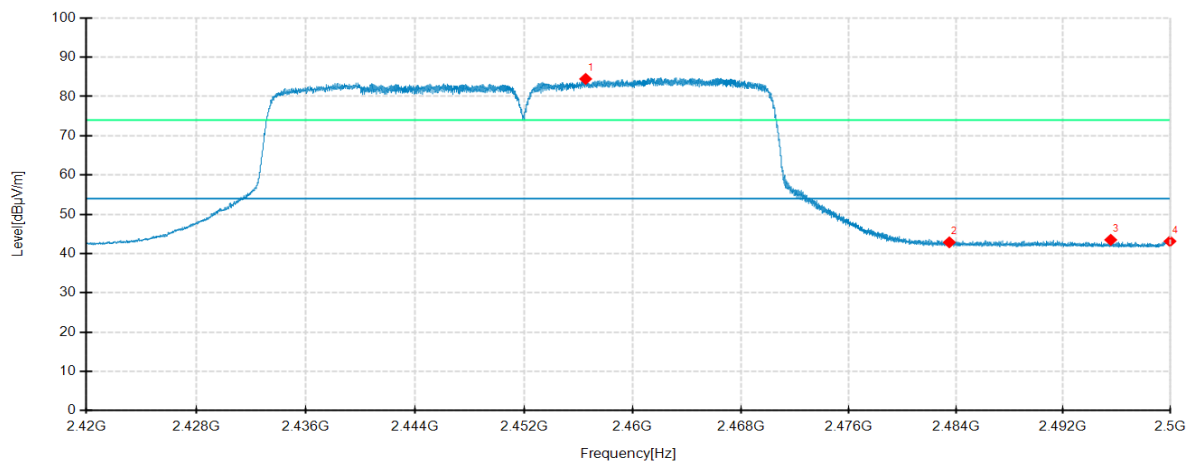
Date: 2023-05-10

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	2457.6475	74.56	83.67	9.11	54.00	-29.67	100	22	Horizontal	No limit
2	2483.5	32.41	42.09	9.68	54.00	11.91	200	35	Horizontal	/
3	2491.93	33.49	43.36	9.87	54.00	10.64	100	22	Horizontal	/
4	2500	33.70	43.75	10.05	54.00	10.25	200	25	Horizontal	/
1	2456.545	74.89	84.47	9.58	54.00	-30.47	100	25	Vertical	No limit
2	2483.5	33.12	42.87	9.75	54.00	11.13	200	12	Vertical	/
3	2495.56	33.68	43.50	9.82	54.00	10.50	100	25	Vertical	/
4	2500	33.29	43.14	9.85	54.00	10.86	100	338	Vertical	/

APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM

Please refer to the attached document E20230328398101-16-Test photo.

APPENDIX B. PHOTOGRAPH OF THE EUT

Please refer to the attached document E20230328398101-17-EUT photo.

----- End of Report -----