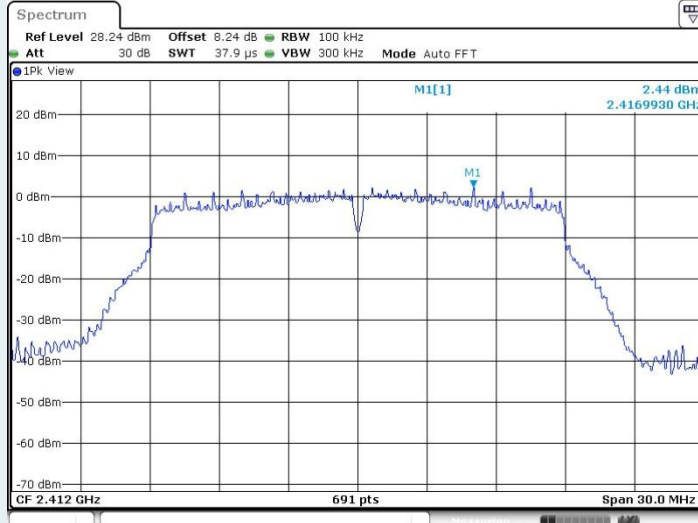
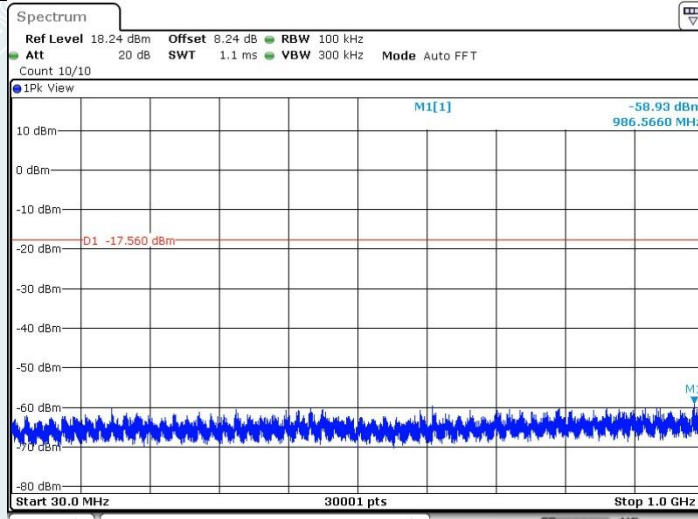


802.11n HT20_Ant2_2412_0~Reference

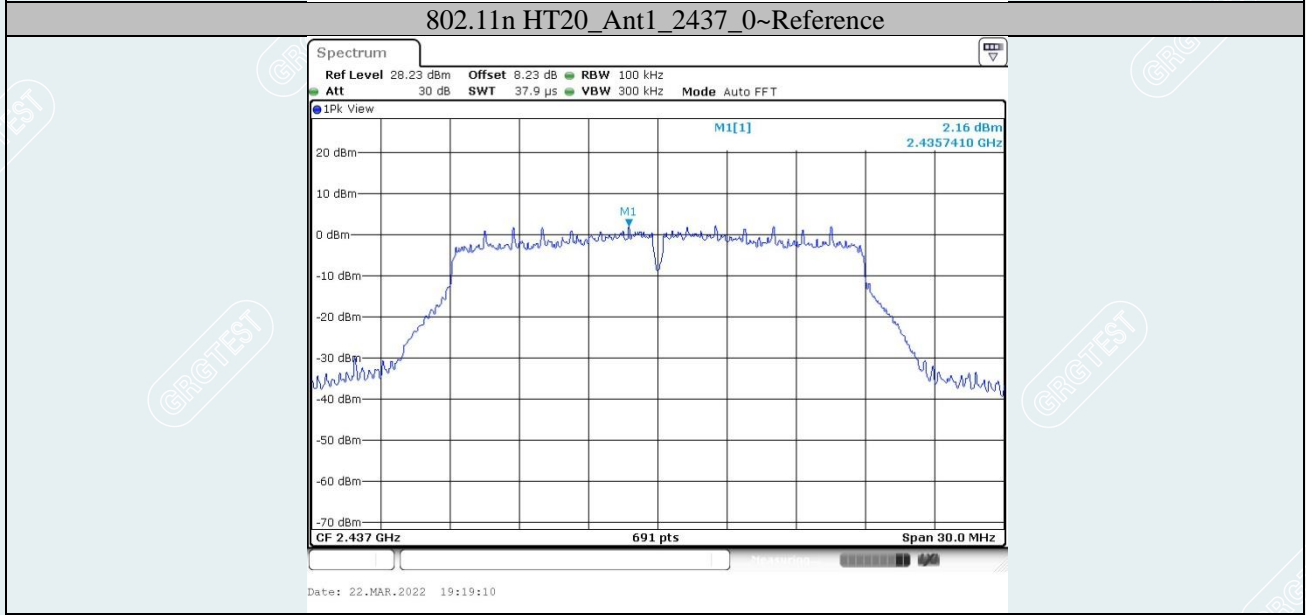
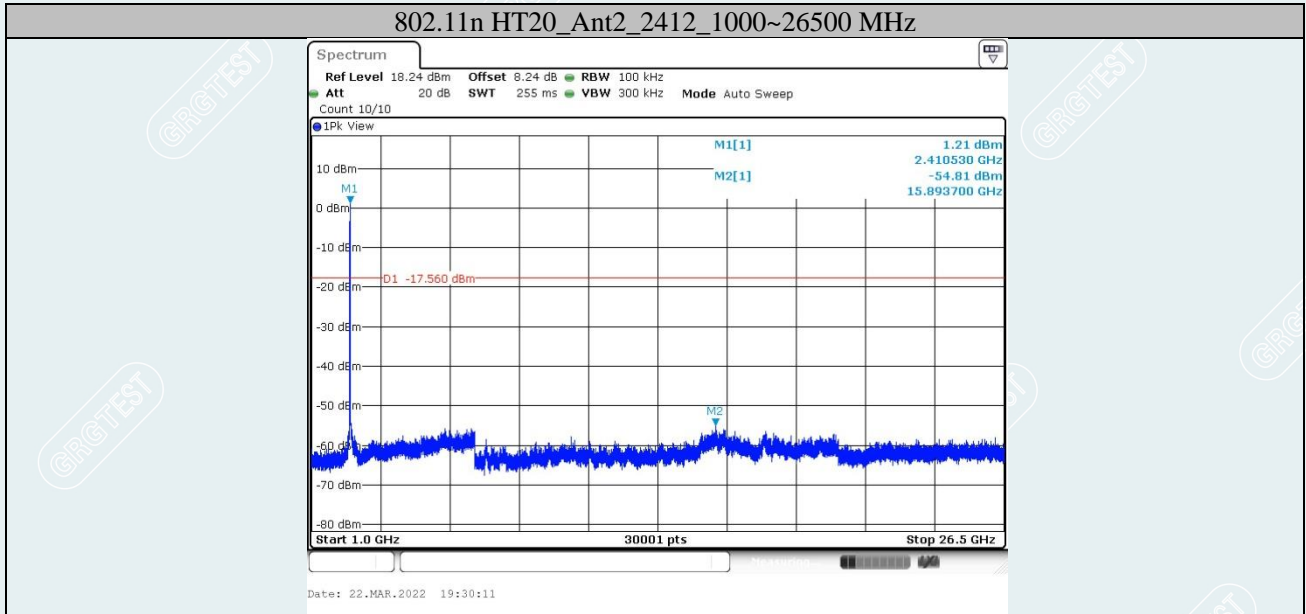


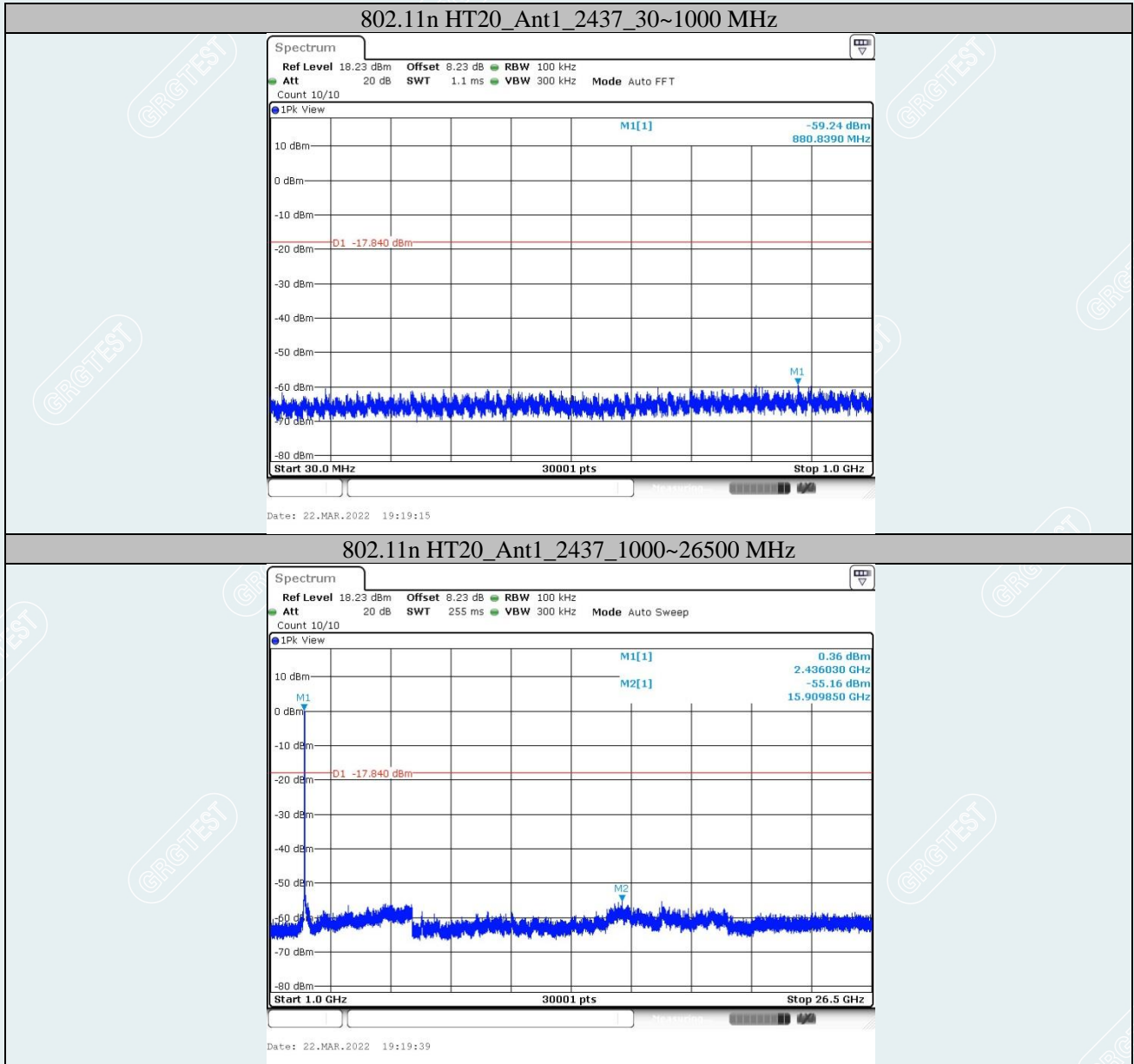
Date: 22.MAR.2022 19:29:42

802.11n HT20_Ant2_2412_30~1000 MHz

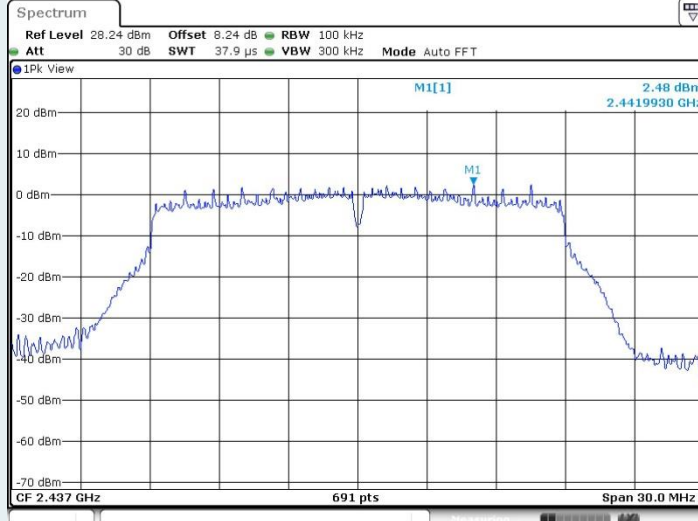


Date: 22.MAR.2022 19:29:47



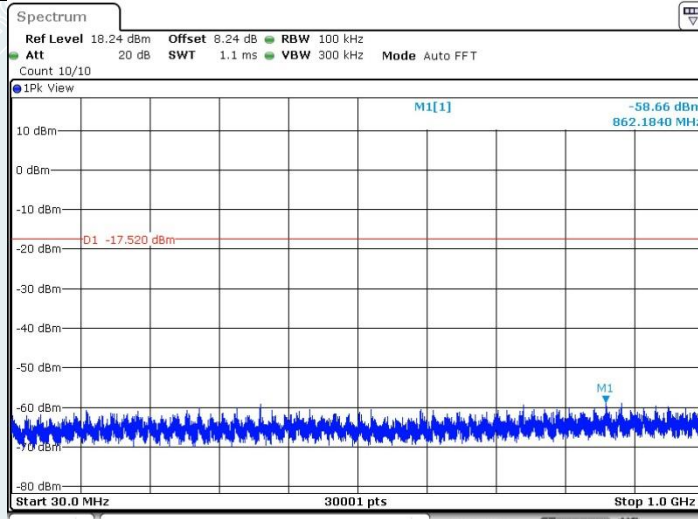


802.11n HT20_Ant2_2437_0~Reference

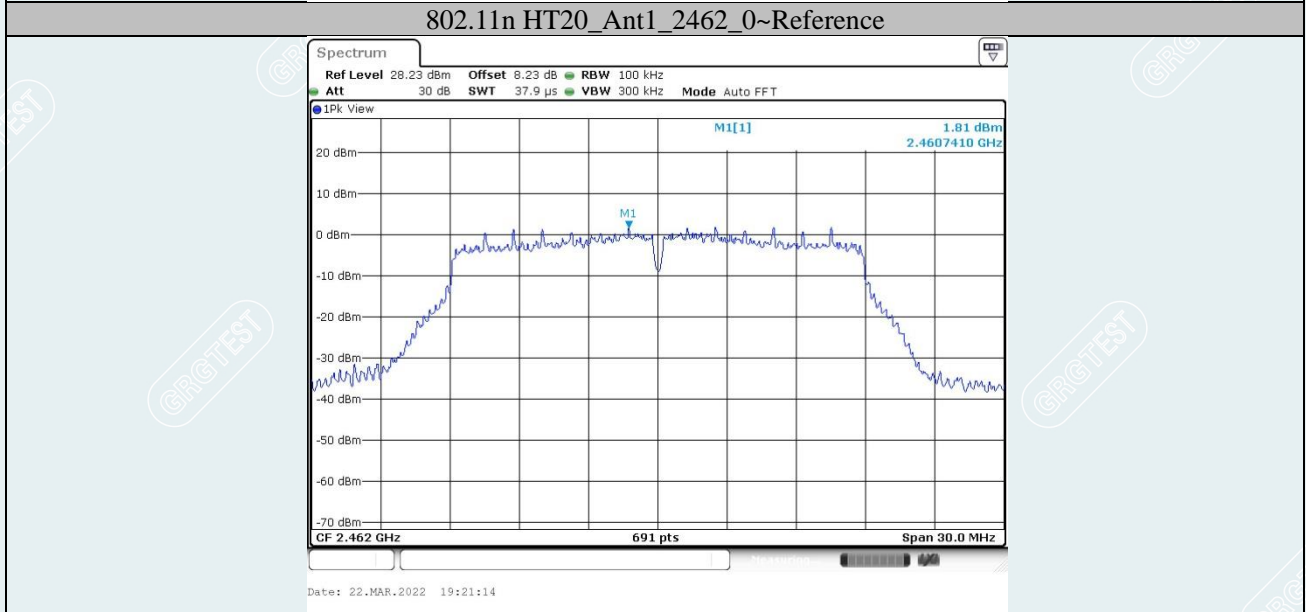
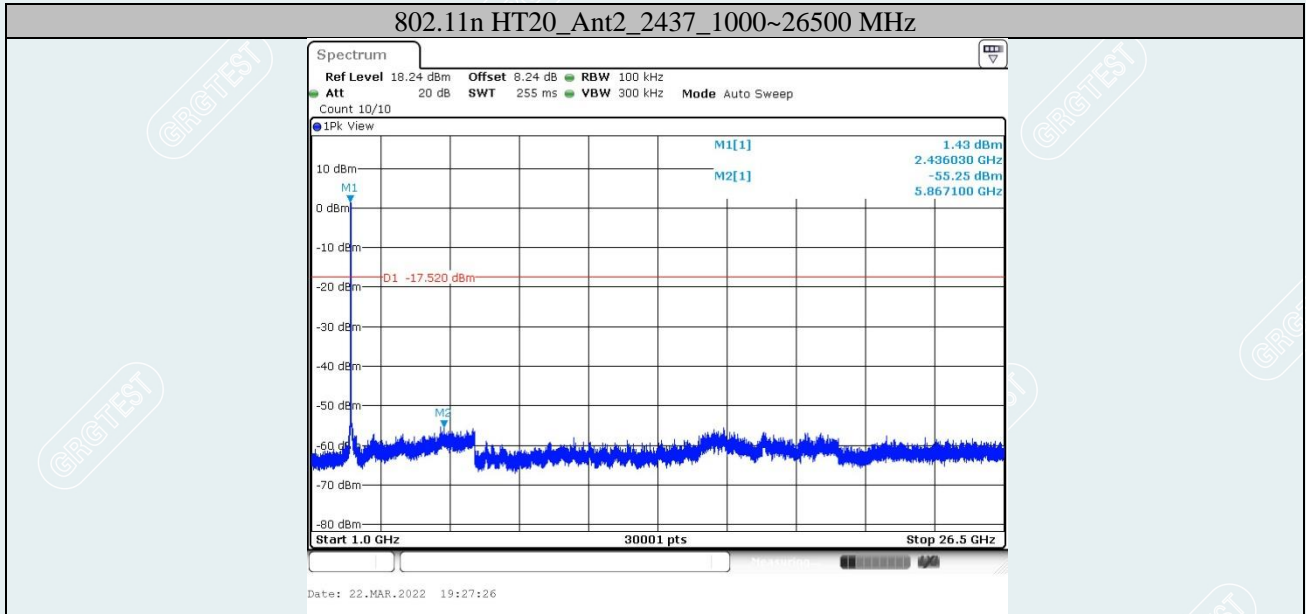


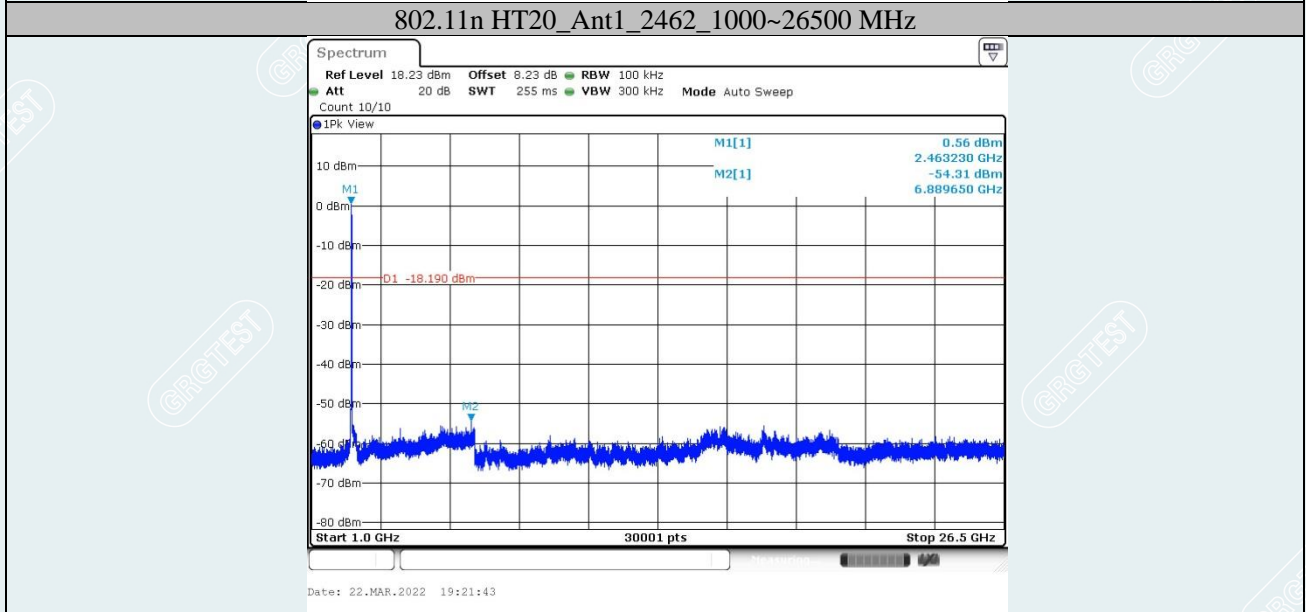
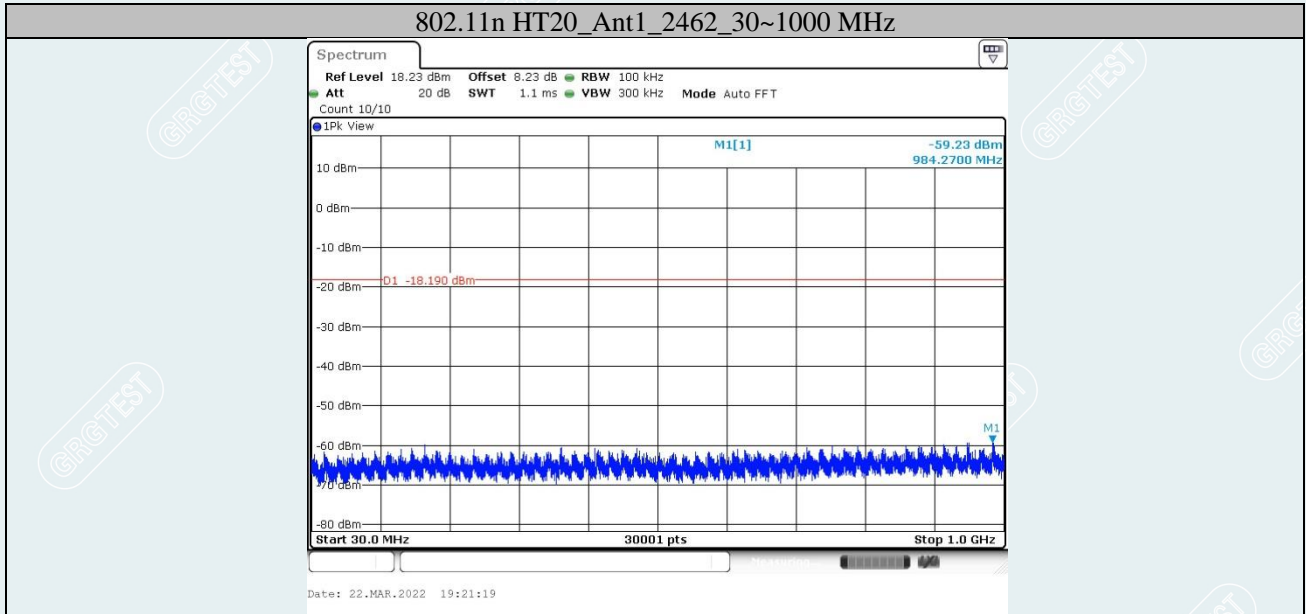
Date: 22.MAR.2022 19:26:57

802.11n HT20_Ant2_2437_30~1000 MHz

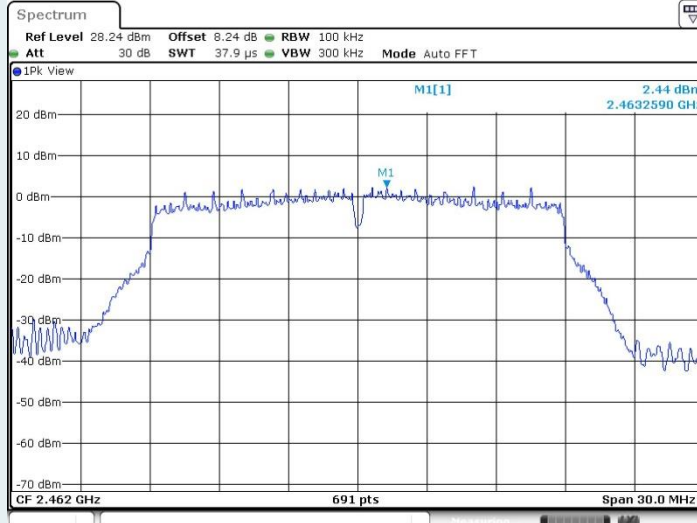


Date: 22.MAR.2022 19:27:02



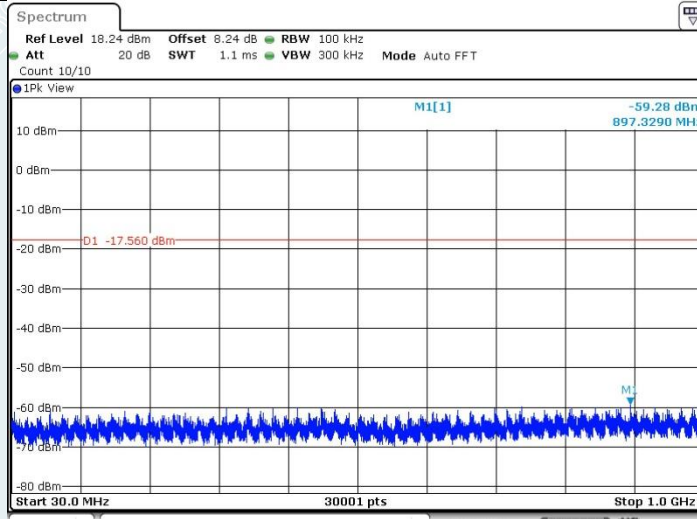


802.11n HT20_Ant2_2462_0~Reference

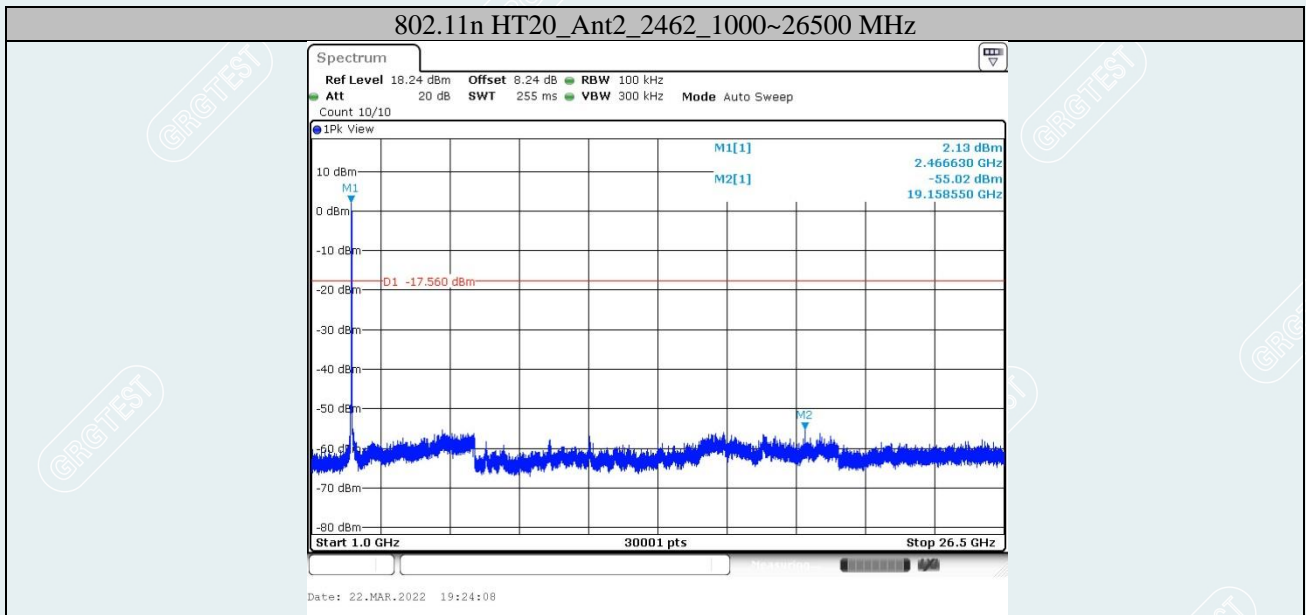


Date: 22.MAR.2022 19:23:39

802.11n HT20_Ant2_2462_30~1000 MHz



Date: 22.MAR.2022 19:23:44



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

11. RESTRICTED BANDS OF OPERATION

11.1 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)).

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 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			

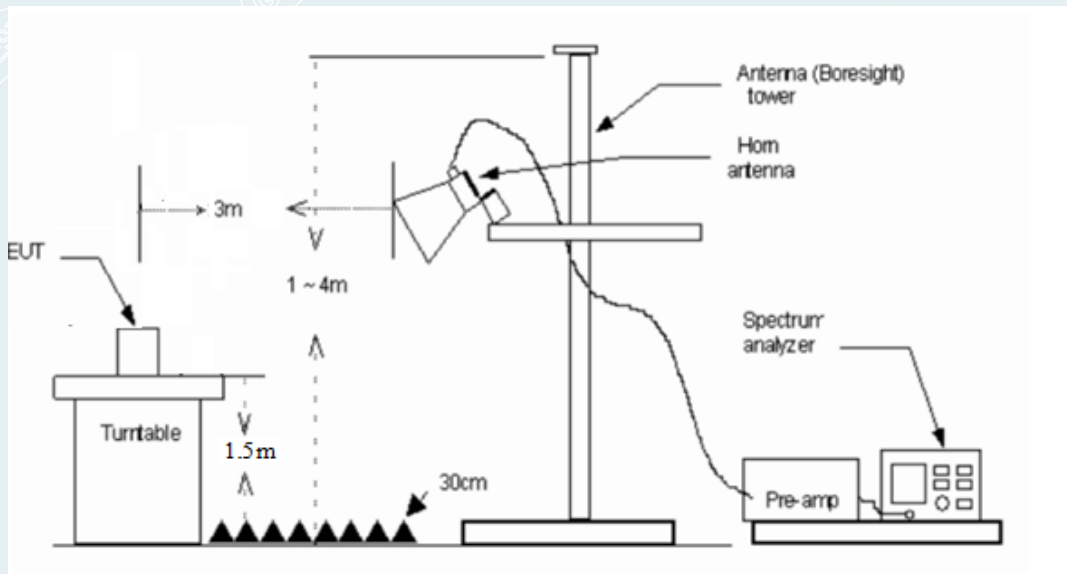
Frequency (MHz)	Quasi-peak(μV/m)	Measurement distance(m)	Quasi-peak(dBμV/m)@distance 3m
0.009-0.490	2400/F(kHz)	300	128.5~93.8
0.490-1.705	24000/F(kHz)	30	73.8~63
1.705-30.0	30	30	69.5
30~88	100	3	40
88~216	150	3	43.5
216~960	200	3	46
Above 960	500	3	54

11.2 TEST PROCEDURES

Test procedures follow KDB 558074 D01 15.247 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.

11.3 TEST SETUP



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

11.4 TEST RESULTS

Pre-scanned in three orthogonal panels,X,Y,Z.The worst cases mode (Z plane) were recorded in this report.

ANT 1:

802.11b mode-SISO

Lowest Channel

Frequency 2412MHz

Environment: 25 °C/60%RH

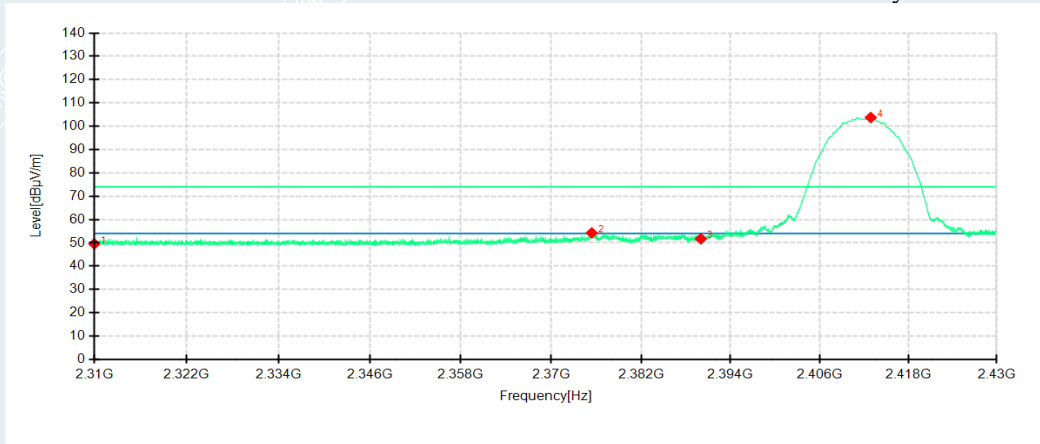
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

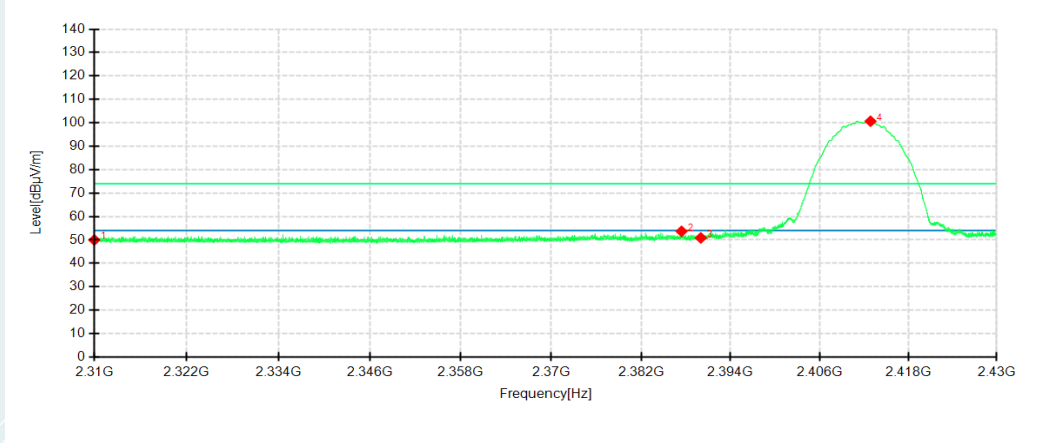
Date: 2022-02-28

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	2310.0000	46.07	49.55	3.48	74.00	24.45	200	270	Horizontal	/
2	2375.4120	50.70	54.26	3.56	74.00	19.74	200	270	Horizontal	/
3	2390.0000	47.91	51.72	3.81	74.00	22.28	100	270	Horizontal	/
4	2412.9120	99.69	103.73	4.04	74.00	-29.73	200	270	Horizontal	No limit
1	2310.0000	46.48	49.96	3.48	74.00	24.04	100	360	Vertical	/
2	2387.4120	49.90	53.67	3.77	74.00	20.33	100	270	Vertical	/
3	2390.0000	47.06	50.87	3.81	74.00	23.13	200	0	Vertical	/
4	2412.8760	96.63	100.67	4.04	74.00	-26.67	200	90	Vertical	No limit

802.11b mode-SISO

Lowest Channel

Frequency 2412MHz

Environment: 25°C/60%RH

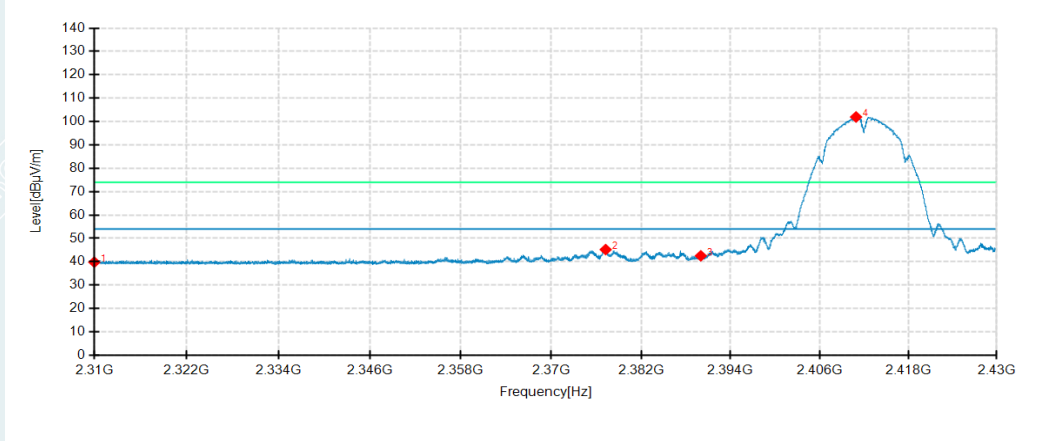
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

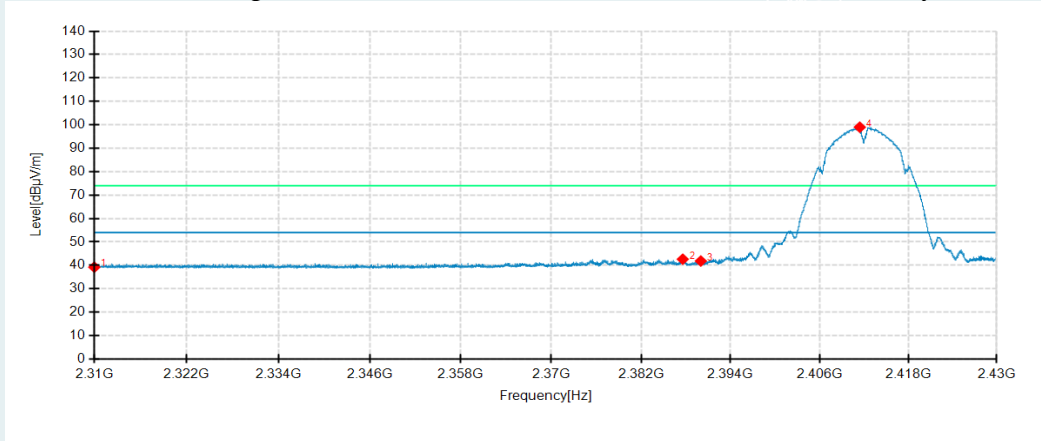
Date: 2022-02-28

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	2310.0000	36.33	39.81	3.48	54.00	14.19	200	0	Horizontal	/
2	2377.2720	41.61	45.20	3.59	54.00	8.80	200	270	Horizontal	/
3	2390.0000	38.71	42.52	3.81	54.00	11.48	100	270	Horizontal	/
4	2410.9200	97.92	101.95	4.03	54.00	-47.95	200	270	Horizontal	No limit
1	2310.0000	35.72	39.20	3.48	54.00	14.80	100	180	Vertical	/
2	2387.5800	38.85	42.62	3.77	54.00	11.38	200	90	Vertical	/
3	2390.0000	38.02	41.83	3.81	54.00	12.17	100	180	Vertical	/
4	2411.4240	94.93	98.97	4.04	54.00	-44.97	200	90	Vertical	No limit

802.11b mode-SISO

Highest Channel

Frequency 2462MHz

Environment: 25 °C/60%RH

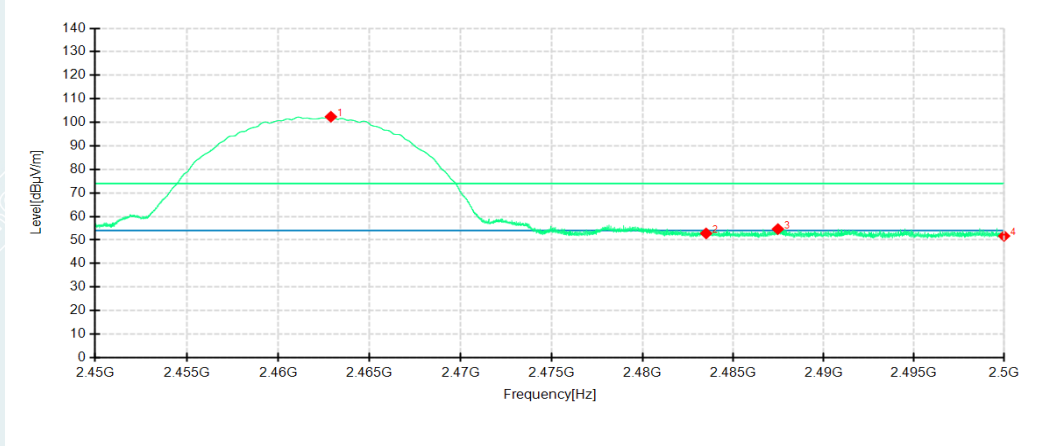
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

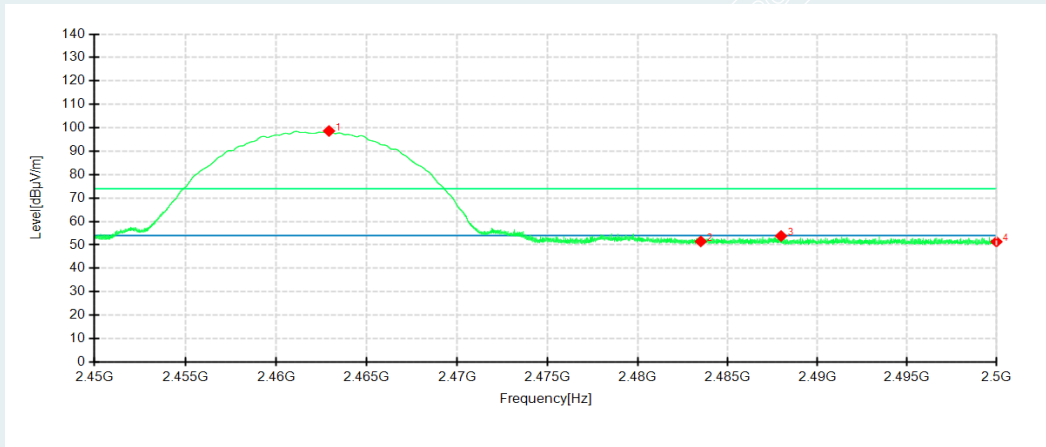
Date: 2022-02-28

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	2462.8800	98.11	102.38	4.27	74.00	-28.38	100	180	Horizontal	No limit
2	2483.5000	48.46	52.79	4.33	74.00	21.21	200	270	Horizontal	/
3	2487.4650	50.30	54.64	4.34	74.00	19.36	200	270	Horizontal	/
4	2500.0000	47.32	51.70	4.38	74.00	22.30	200	270	Horizontal	/
1	2462.9100	94.37	98.64	4.27	74.00	-24.64	200	90	Vertical	No limit
2	2483.5000	47.15	51.48	4.33	74.00	22.52	200	90	Vertical	/
3	2487.9700	49.46	53.80	4.34	74.00	20.20	200	90	Vertical	/
4	2500.0000	46.97	51.35	4.38	74.00	22.65	200	90	Vertical	/

802.11b mode-SISO

Highest Channel

Frequency 2462MHz

Environment: 25°C/60%RH

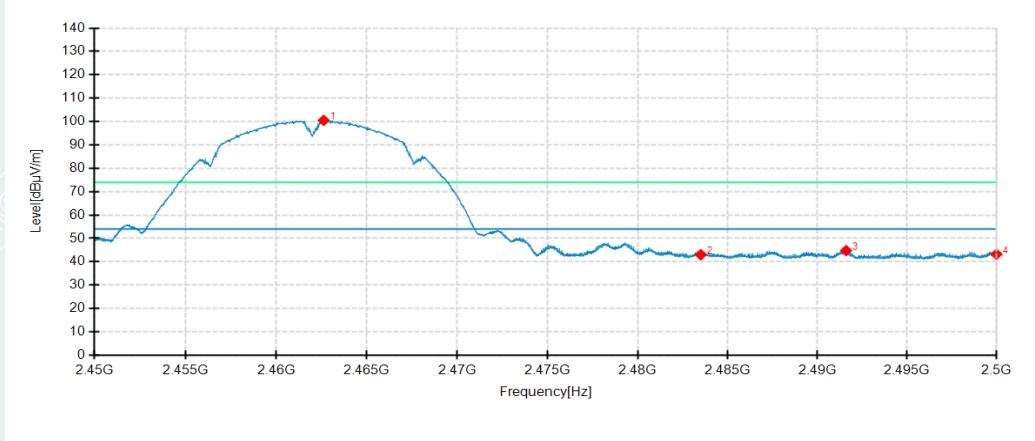
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

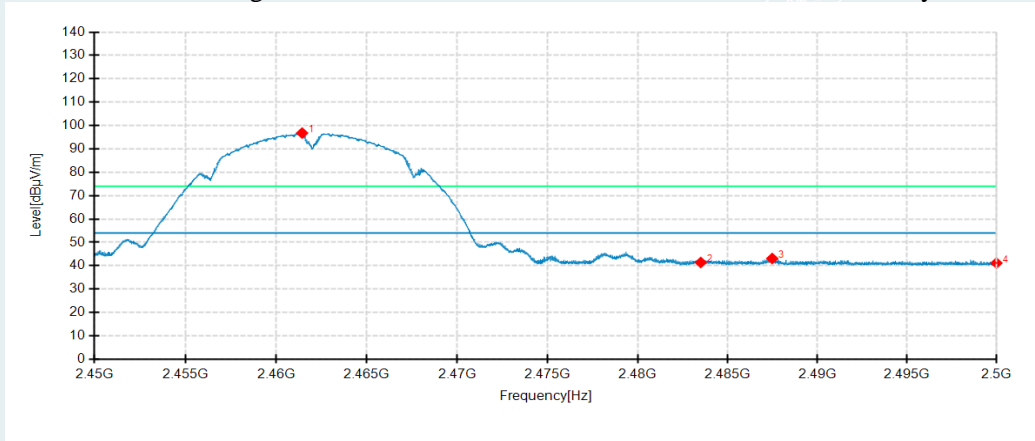
Date: 2022-02-28

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	2462.6200	96.22	100.49	4.27	54.00	-46.49	200	270	Horizontal	No limit
2	2483.5000	38.67	43.00	4.33	54.00	11.00	200	270	Horizontal	/
3	2491.5950	40.44	44.79	4.35	54.00	9.21	200	270	Horizontal	/
4	2500.0000	38.84	43.22	4.38	54.00	10.78	200	270	Horizontal	/
1	2461.4300	92.51	96.77	4.26	54.00	-42.77	200	90	Vertical	No limit
2	2483.5000	37.07	41.40	4.33	54.00	12.60	100	90	Vertical	/
3	2487.4750	38.75	43.09	4.34	54.00	10.91	100	90	Vertical	/
4	2500.0000	36.77	41.15	4.38	54.00	12.85	100	90	Vertical	/

ANT 2:

802.11b mode-SISO

Lowest Channel

Frequency 2412MHz

Environment: 25°C/60%RH

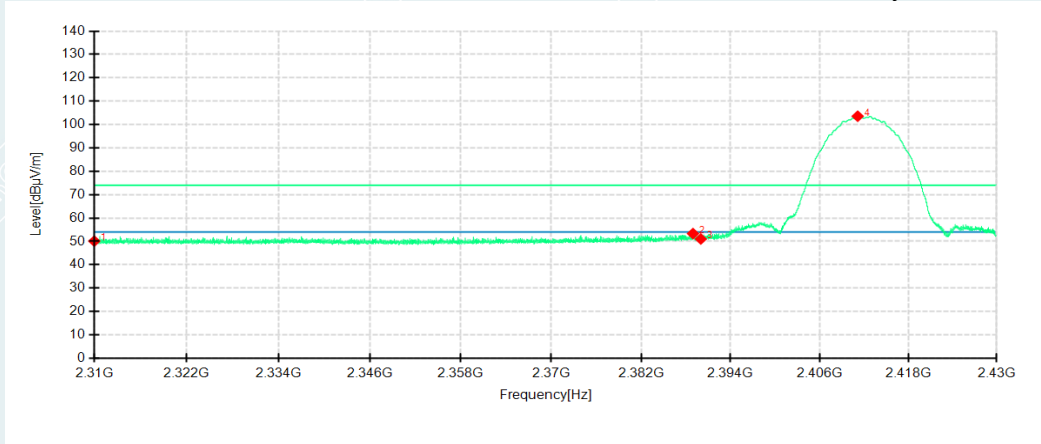
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

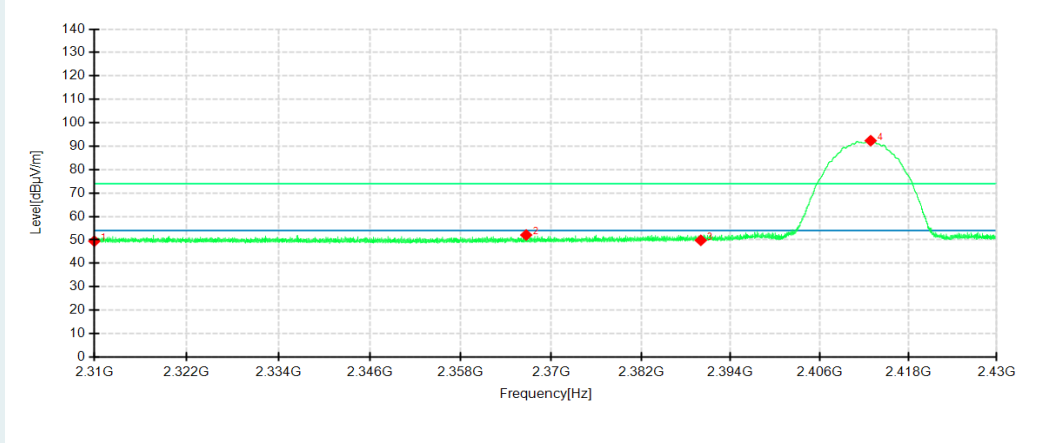
Date: 2022-02-28

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	2310.0000	46.62	50.10	3.48	74.00	23.90	100	90	Horizontal	/
2	2388.9480	49.54	53.33	3.79	74.00	20.67	100	180	Horizontal	/
3	2390.0000	47.20	51.01	3.81	74.00	22.99	100	180	Horizontal	/
4	2411.1360	99.51	103.55	4.04	74.00	-29.55	100	180	Horizontal	No limit
1	2310.0000	45.99	49.47	3.48	74.00	24.53	200	180	Vertical	/
2	2366.6880	48.70	52.11	3.41	74.00	21.89	200	90	Vertical	/
3	2390.0000	46.01	49.82	3.81	74.00	24.18	200	360	Vertical	/
4	2412.9000	88.33	92.37	4.04	74.00	-18.37	200	90	Vertical	No limit

802.11b mode-SISO

Lowest Channel

Frequency 2412MHz

Environment: 25°C/60%RH

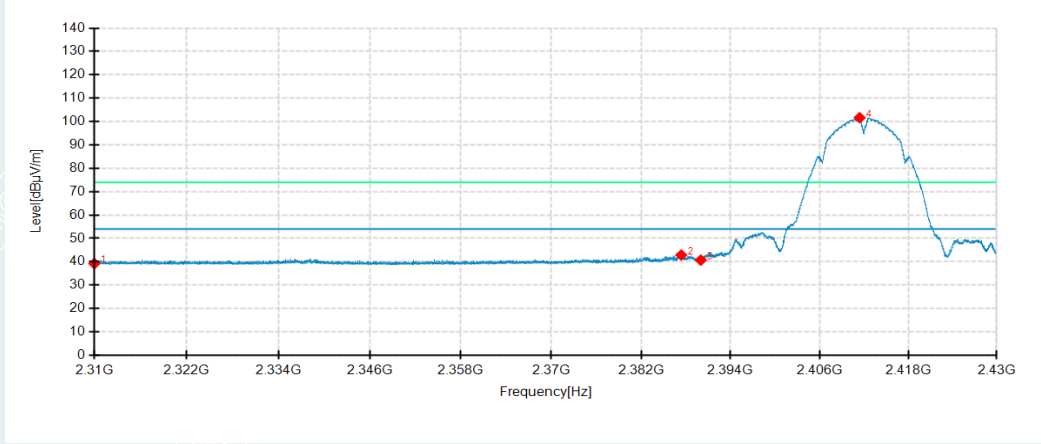
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

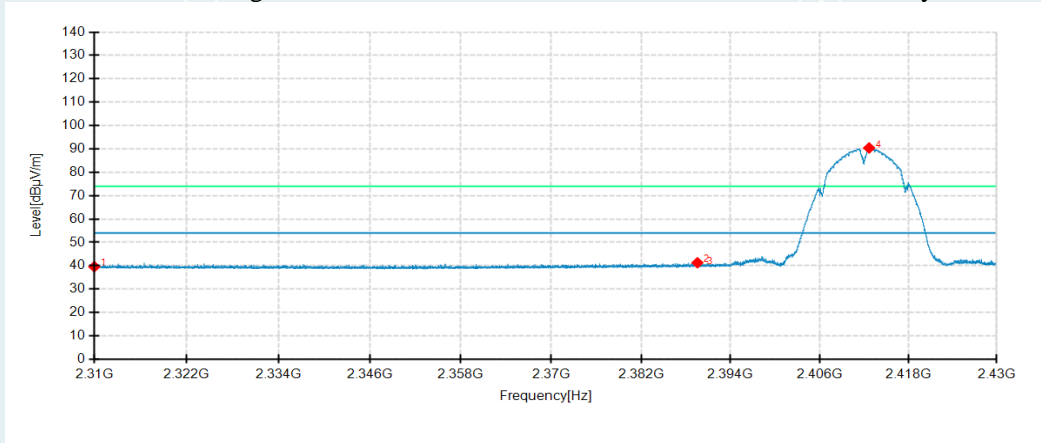
Date: 2022-02-28

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	2310.0000	35.73	39.21	3.48	54.00	14.79	200	180	Horizontal	/
2	2387.3760	39.11	42.88	3.77	54.00	11.12	100	180	Horizontal	/
3	2390.0000	36.87	40.68	3.81	54.00	13.32	100	180	Horizontal	/
4	2411.4000	97.60	101.64	4.04	54.00	-47.64	100	180	Horizontal	No limit
1	2310.0000	36.09	39.57	3.48	54.00	14.43	200	360	Vertical	/
2	2389.5480	37.48	41.28	3.80	54.00	12.72	100	180	Vertical	/
3	2390.0000	36.51	40.32	3.81	54.00	13.68	100	90	Vertical	/
4	2412.6840	86.36	90.40	4.04	54.00	-36.40	200	90	Vertical	No limit

802.11b mode-SISO

Highest Channel

Frequency 2462MHz

Environment: 25 °C/60%RH

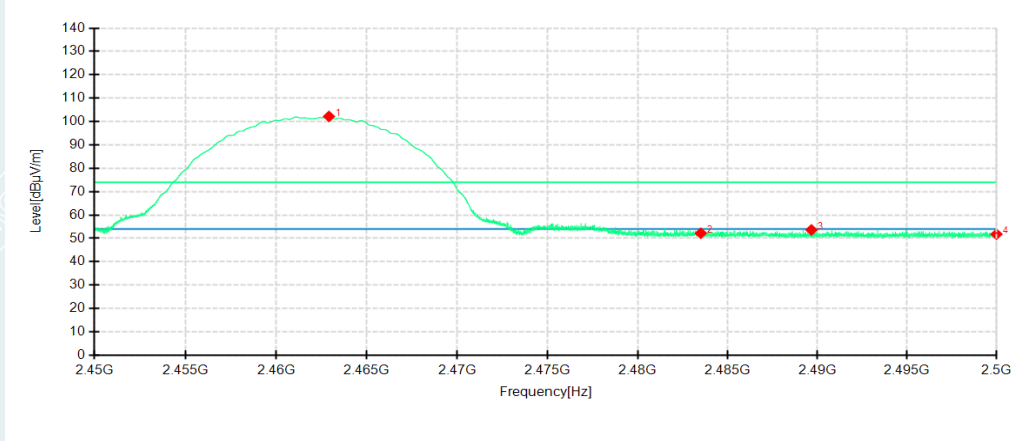
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

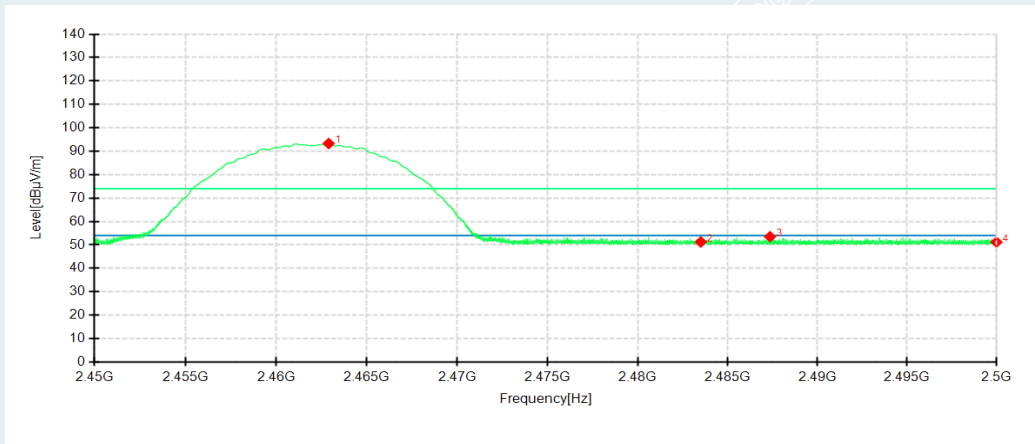
Date: 2022-03-01

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	2462.9100	97.90	102.17	4.27	74.00	-28.17	200	180	Horizontal	No limit
2	2483.5000	47.89	52.22	4.33	74.00	21.78	200	180	Horizontal	/
3	2489.6600	49.29	53.64	4.35	74.00	20.36	100	180	Horizontal	/
4	2500.0000	47.40	51.78	4.38	74.00	22.22	100	90	Horizontal	/
1	2462.8950	89.01	93.28	4.27	74.00	-19.28	200	90	Vertical	No limit
2	2483.5000	46.92	51.25	4.33	74.00	22.75	100	270	Vertical	/
3	2487.3550	49.17	53.51	4.34	74.00	20.49	200	270	Vertical	/
4	2500.0000	46.81	51.19	4.38	74.00	22.81	100	0	Vertical	/

802.11b mode-SISO

Highest Channel

Frequency 2462MHz

Environment: 25 °C/60%RH

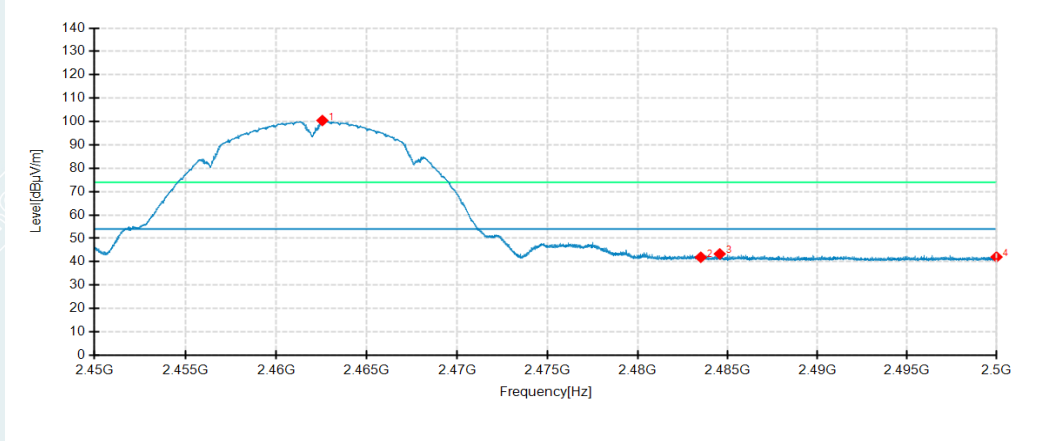
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

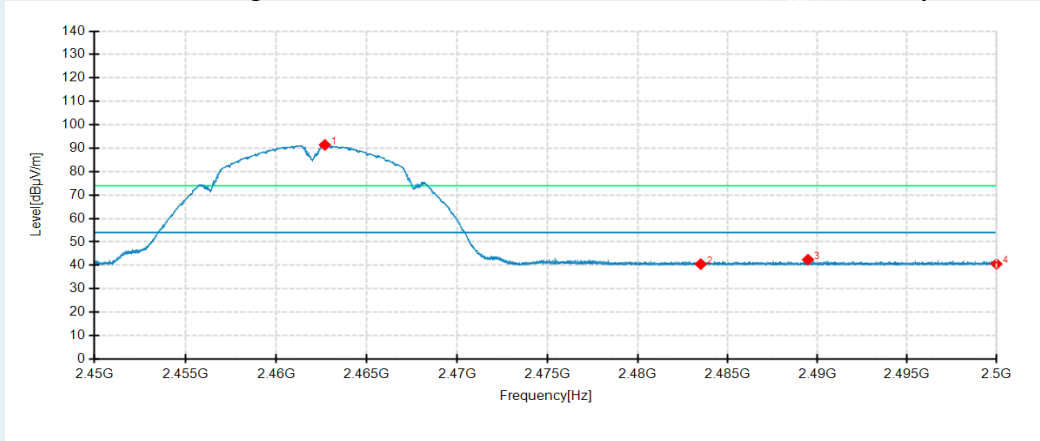
Date: 2022-03-01

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	2462.5450	96.16	100.43	4.27	54.00	-46.43	200	180	Horizontal	No limit
2	2483.5000	37.59	41.92	4.33	54.00	12.08	200	180	Horizontal	/
3	2484.5550	39.03	43.36	4.33	54.00	10.64	200	180	Horizontal	/
4	2500.0000	37.65	42.03	4.38	54.00	11.97	200	180	Horizontal	/
1	2462.6850	87.14	91.41	4.27	54.00	-37.41	200	90	Vertical	No limit
2	2483.5000	36.18	40.51	4.33	54.00	13.49	100	90	Vertical	/
3	2489.4700	38.09	42.44	4.35	54.00	11.56	200	270	Vertical	/
4	2500.0000	36.21	40.59	4.38	54.00	13.41	200	360	Vertical	/

ANT 1:

802.11g mode-SISO

Lowest Channel

Frequency 2412MHz

Environment: 25°C/60%RH

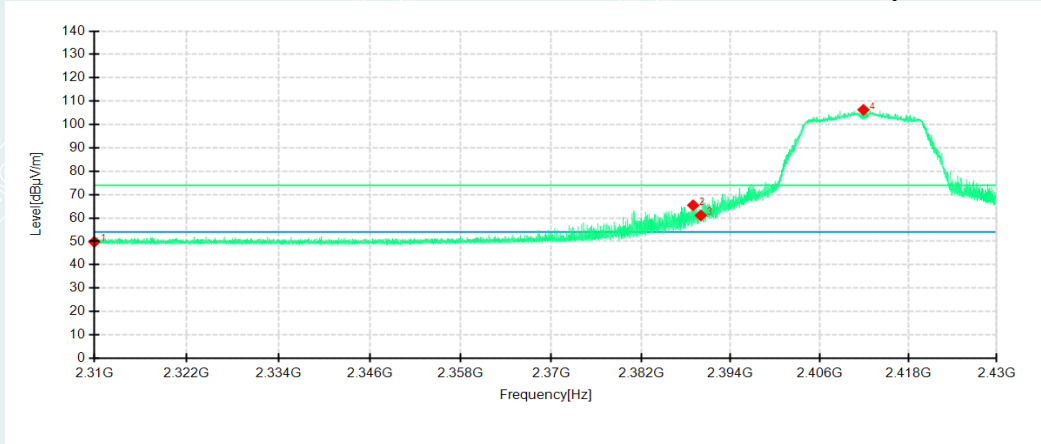
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

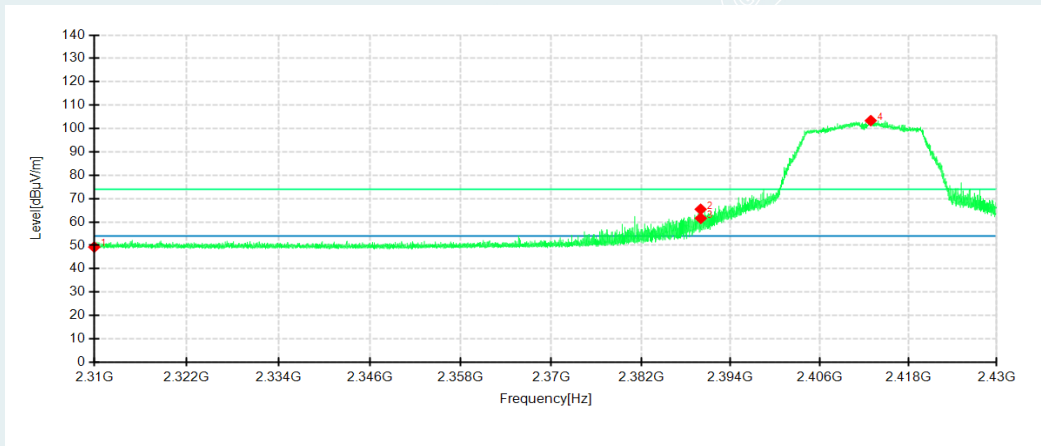
Date: 2022-03-01

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	2310.0000	46.30	49.78	3.48	74.00	24.22	200	109	Horizontal	/
2	2388.9720	61.67	65.46	3.79	74.00	8.54	100	198	Horizontal	/
3	2390.0000	57.30	61.11	3.81	74.00	12.89	100	218	Horizontal	/
4	2411.9160	102.27	106.31	4.04	74.00	-32.31	100	204	Horizontal	No limit
1	2310.0000	45.80	49.28	3.48	74.00	24.72	100	218	Vertical	/
2	2389.9800	61.63	65.44	3.81	74.00	8.56	100	115	Vertical	/
3	2390.0000	57.79	61.60	3.81	74.00	12.40	100	136	Vertical	/
4	2412.9120	99.33	103.37	4.04	74.00	-29.37	100	33	Vertical	No limit

802.11g mode-SISO

Lowest Channel

Frequency 2412MHz

Environment: 25°C/60%RH

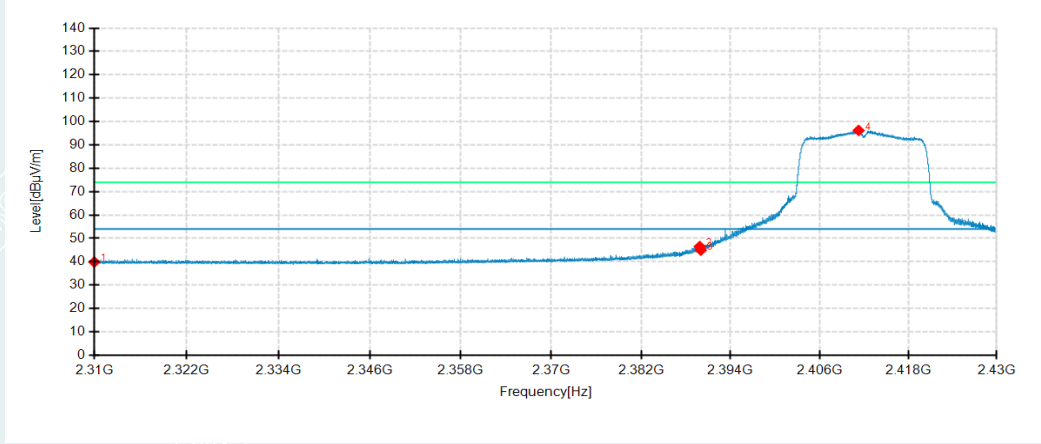
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

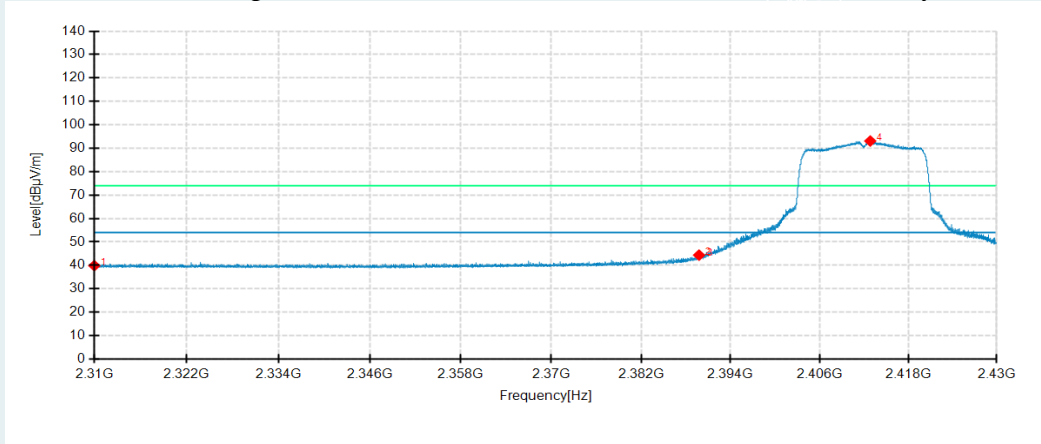
Date: 2022-03-01

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	2310.0000	36.40	39.88	3.48	54.00	14.12	100	360	Horizontal	/
2	2389.8600	42.68	46.49	3.81	54.00	7.51	100	180	Horizontal	/
3	2390.0000	41.16	44.97	3.81	54.00	9.03	100	270	Horizontal	/
4	2411.2680	92.14	96.18	4.04	54.00	-42.18	100	180	Horizontal	No limit
1	2310.0000	36.37	39.85	3.48	54.00	14.15	200	270	Vertical	/
2	2389.7640	40.55	44.36	3.81	54.00	9.64	100	90	Vertical	/
3	2390.0000	39.99	43.80	3.81	54.00	10.20	100	90	Vertical	/
4	2412.8400	89.04	93.08	4.04	54.00	-39.08	100	270	Vertical	No limit

802.11g mode-SISO

Highest Channel

Frequency 2462MHz

Environment: 25°C/60%RH

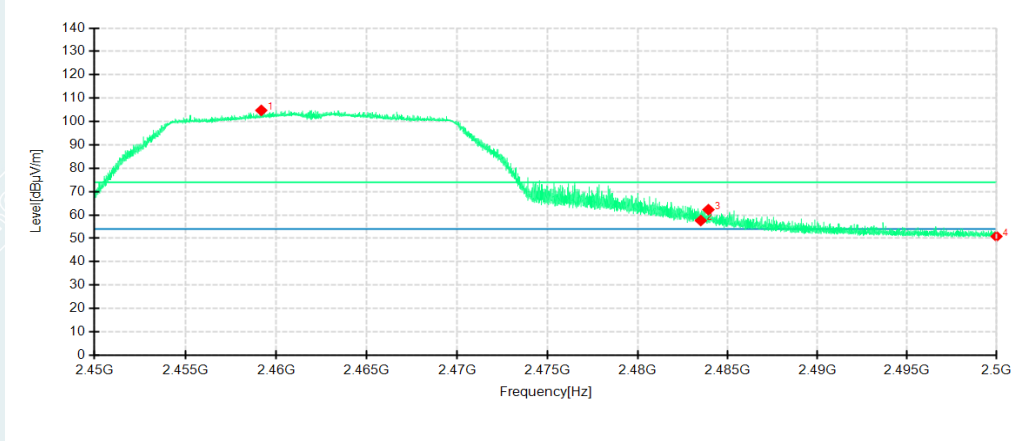
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

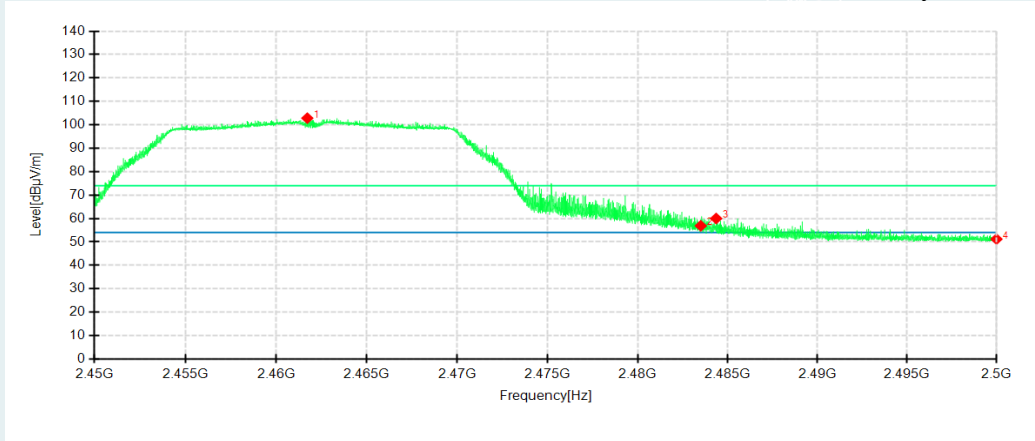
Date: 2022-03-01

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	2459.1800	100.51	104.77	4.26	74.00	-30.77	100	225	Horizontal	No limit
2	2483.5000	53.30	57.63	4.33	74.00	16.37	100	232	Horizontal	/
3	2483.9250	57.95	62.28	4.33	74.00	11.72	100	211	Horizontal	/
4	2500.0000	46.45	50.83	4.38	74.00	23.17	200	218	Horizontal	/
1	2461.7150	98.56	102.83	4.27	74.00	-28.83	100	46	Vertical	No limit
2	2483.5000	52.53	56.86	4.33	74.00	17.14	100	135	Vertical	/
3	2484.3550	55.66	59.99	4.33	74.00	14.01	100	46	Vertical	/
4	2500.0000	46.81	51.19	4.38	74.00	22.81	200	142	Vertical	/

802.11g mode-SISO

Highest Channel

Frequency 2462MHz

Environment: 25°C/60%RH

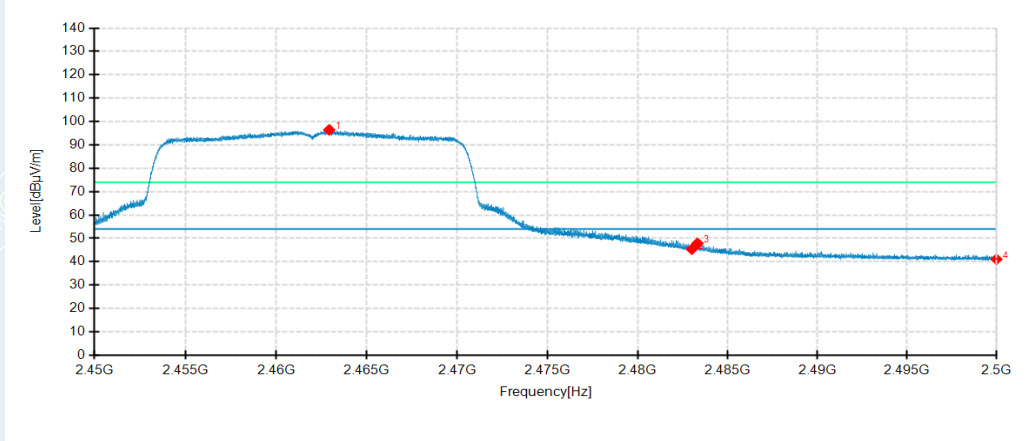
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

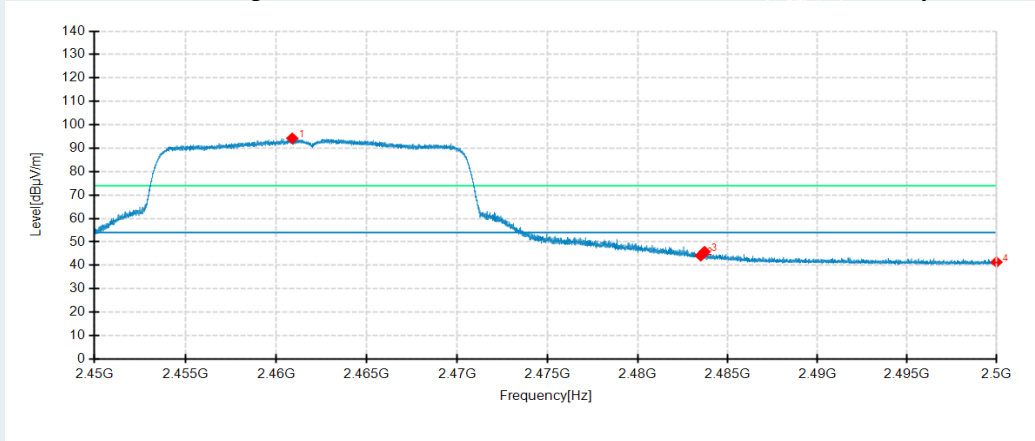
Date: 2022-03-01

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	2462.9250	92.16	96.43	4.27	54.00	-42.43	100	162	Horizontal	No limit
2	2483.0000	41.02	45.35	4.33	54.00	8.65	100	204	Horizontal	/
3	2483.3150	43.54	47.87	4.33	54.00	6.13	100	212	Horizontal	/
4	2500.0000	36.68	41.06	4.38	54.00	12.94	200	218	Horizontal	/
1	2460.8850	89.98	94.24	4.26	54.00	-40.24	100	52	Vertical	No limit
2	2483.5000	39.78	44.11	4.33	54.00	9.89	100	38	Vertical	/
3	2483.7100	41.47	45.80	4.33	54.00	8.20	100	52	Vertical	/
4	2500.0000	36.99	41.37	4.38	54.00	12.63	100	93	Vertical	/

ANT 2:

802.11g mode-SISO

Lowest Channel

Frequency 2412MHz

Environment: 25 °C/60%RH

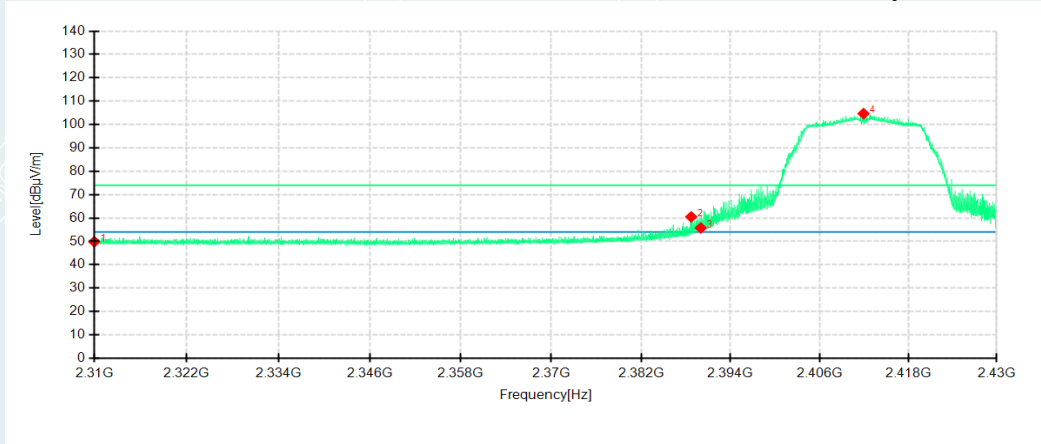
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

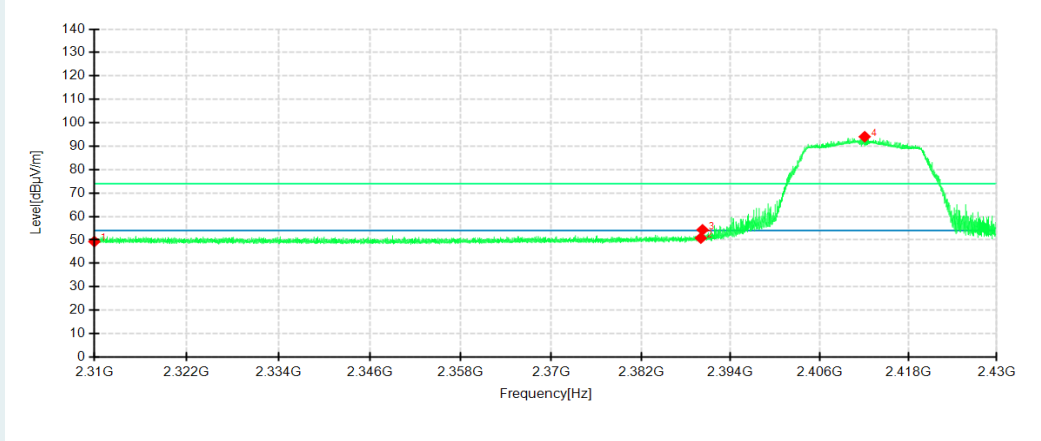
Date: 2022-03-01

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	2310.0000	46.36	49.84	3.48	74.00	24.16	200	142	Horizontal	/
2	2388.7080	56.70	60.49	3.79	74.00	13.51	200	163	Horizontal	/
3	2390.0000	51.93	55.74	3.81	74.00	18.26	200	176	Horizontal	/
4	2411.9280	100.62	104.66	4.04	74.00	-30.66	200	163	Horizontal	No limit
1	2310.0000	45.82	49.30	3.48	74.00	24.70	100	232	Vertical	/
2	2390.0000	46.97	50.78	3.81	74.00	23.22	200	108	Vertical	/
3	2390.2320	50.50	54.31	3.81	74.00	19.69	200	67	Vertical	/
4	2412.0840	90.03	94.07	4.04	74.00	-20.07	200	101	Vertical	No limit

802.11g mode-SISO

Lowest Channel

Frequency 2412MHz

Environment: 25 °C/60%RH

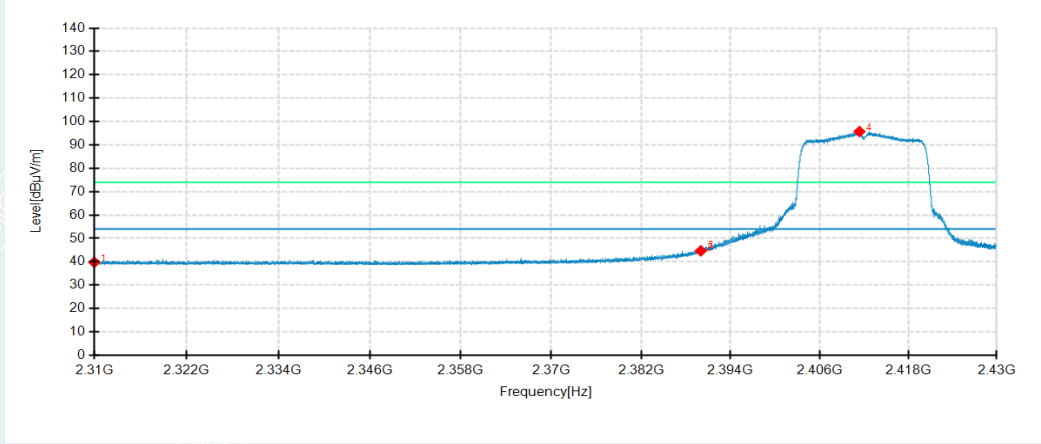
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

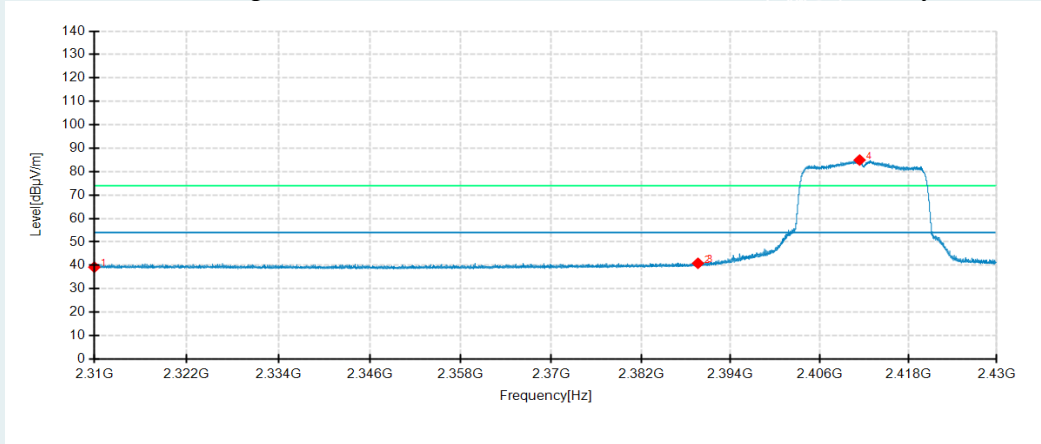
Date: 2022-03-01

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	2310.0000	36.28	39.76	3.48	54.00	14.24	200	142	Horizontal	/
2	2390.0000	40.86	44.67	3.81	54.00	9.33	100	184	Horizontal	/
3	2390.0520	41.62	45.43	3.81	54.00	8.57	200	170	Horizontal	/
4	2411.3880	91.66	95.70	4.04	54.00	-41.70	100	157	Horizontal	No limit
1	2310.0000	35.74	39.22	3.48	54.00	14.78	100	142	Vertical	/
2	2389.6200	37.08	40.88	3.80	54.00	13.12	200	162	Vertical	/
3	2390.0000	37.19	41.00	3.81	54.00	13.00	200	176	Vertical	/
4	2411.4000	80.91	84.95	4.04	54.00	-30.95	200	40	Vertical	No limit

802.11g mode-SISO

Highest Channel

Frequency 2462MHz

Environment: 25 °C/60%RH

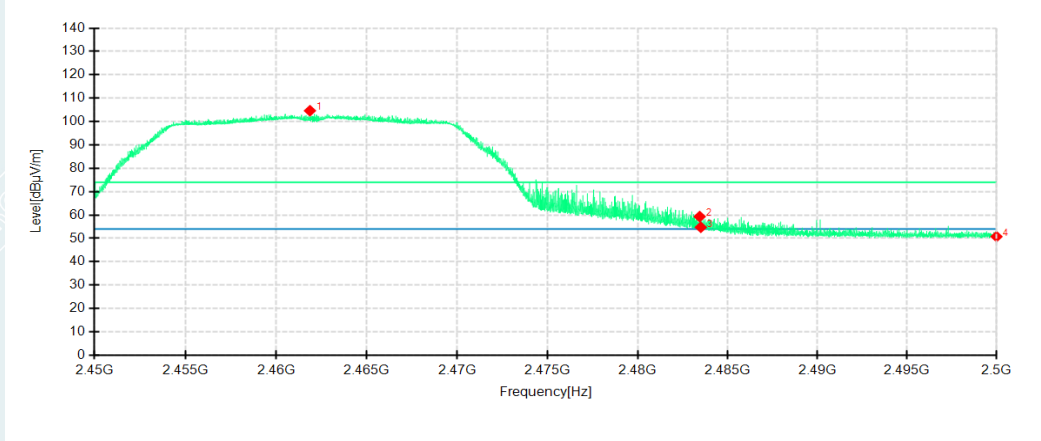
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

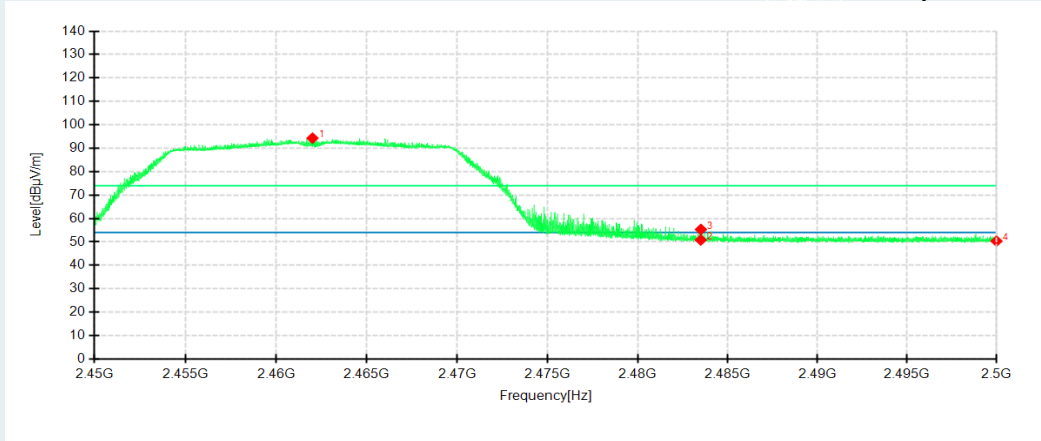
Date: 2022-03-01

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	2461.8600	100.36	104.63	4.27	74.00	-30.63	100	163	Horizontal	No limit
2	2483.4400	54.99	59.32	4.33	74.00	14.68	100	183	Horizontal	/
3	2483.5000	50.41	54.74	4.33	74.00	19.26	200	177	Horizontal	/
4	2500.0000	46.38	50.76	4.38	74.00	23.24	200	157	Horizontal	/
1	2462.0000	90.03	94.30	4.27	74.00	-20.30	200	142	Vertical	No limit
2	2483.5000	46.49	50.82	4.33	74.00	23.18	200	156	Vertical	/
3	2483.5100	50.99	55.32	4.33	74.00	18.68	200	142	Vertical	/
4	2500.0000	45.96	50.34	4.38	74.00	23.66	200	258	Vertical	/

802.11g mode-SISO

Highest Channel

Frequency 2462MHz

Environment: 25 °C/60%RH

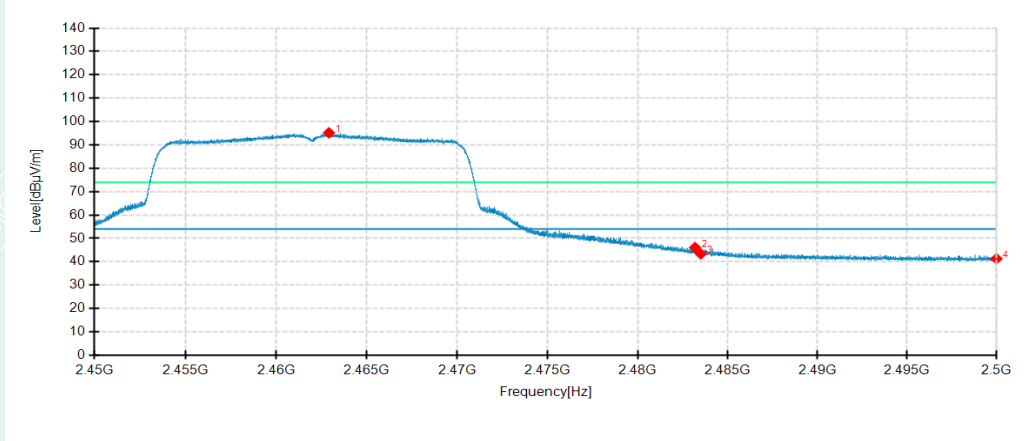
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

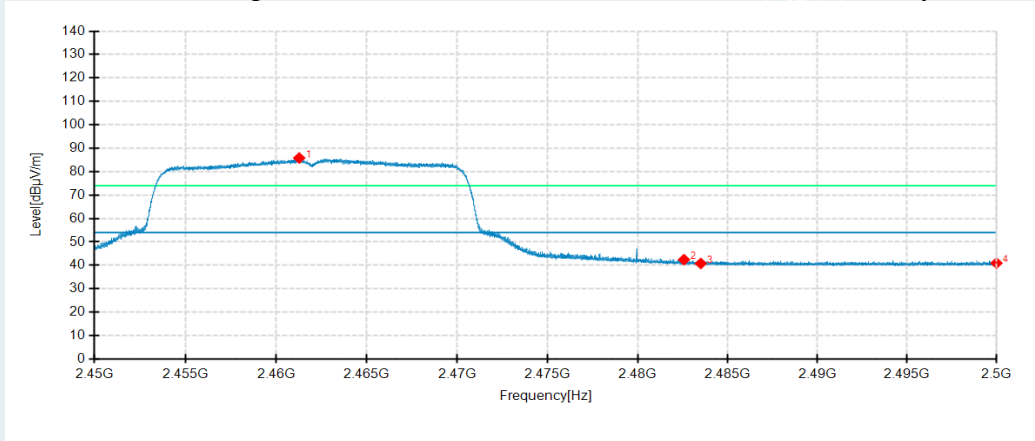
Date: 2022-03-01

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	2462.9100	90.89	95.16	4.27	54.00	-41.16	200	177	Horizontal	No limit
2	2483.1800	41.74	46.07	4.33	54.00	7.93	100	156	Horizontal	/
3	2483.5000	39.03	43.36	4.33	54.00	10.64	100	135	Horizontal	/
4	2500.0000	36.91	41.29	4.38	54.00	12.71	100	135	Horizontal	/
1	2461.2700	81.57	85.83	4.26	54.00	-31.83	200	135	Vertical	No limit
2	2482.5650	38.08	42.41	4.33	54.00	11.59	200	218	Vertical	/
3	2483.5000	36.45	40.78	4.33	54.00	13.22	100	245	Vertical	/
4	2500.0000	36.58	40.96	4.38	54.00	13.04	100	341	Vertical	/

802.11n HT20 mode-MIMO

Lowest Channel

Frequency 2412MHz

Environment: 25 °C/60%RH

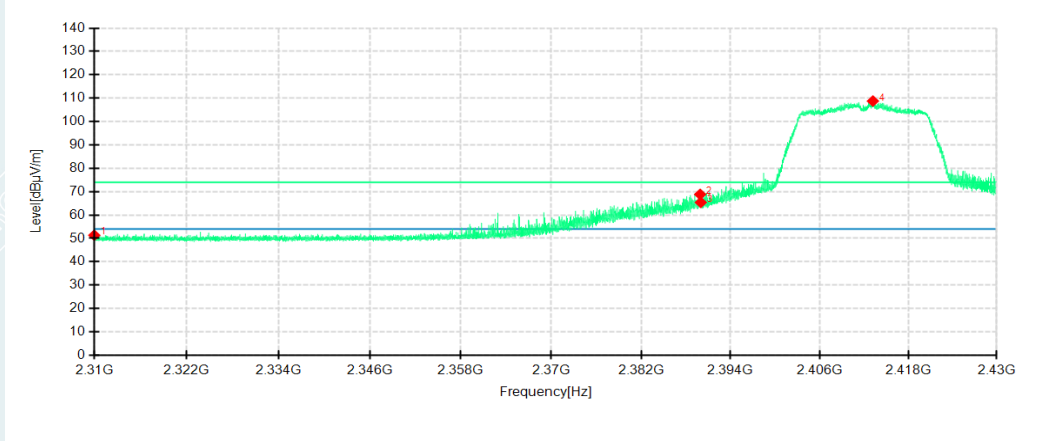
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

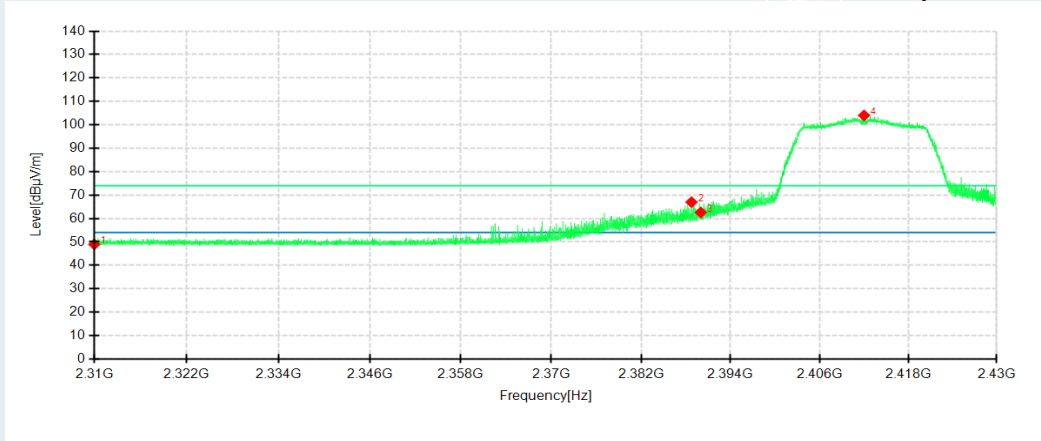
Date: 2022-03-01

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	2310.0000	47.85	51.33	3.48	74.00	22.67	200	320	Horizontal	/
2	2389.9080	65.02	68.83	3.81	74.00	5.17	100	218	Horizontal	/
3	2390.0000	61.56	65.37	3.81	74.00	8.63	100	184	Horizontal	/
4	2413.2000	104.71	108.76	4.05	74.00	-34.76	100	170	Horizontal	No limit
1	2310.0000	45.48	48.96	3.48	74.00	25.04	100	251	Vertical	/
2	2388.7560	63.19	66.98	3.79	74.00	7.02	100	300	Vertical	/
3	2390.0000	58.78	62.59	3.81	74.00	11.41	100	142	Vertical	/
4	2412.0000	99.97	104.01	4.04	74.00	-30.01	100	306	Vertical	No limit

802.11n HT20 mode-MIMO

Lowest Channel

Frequency 2412MHz

Environment: 25 °C/60%RH

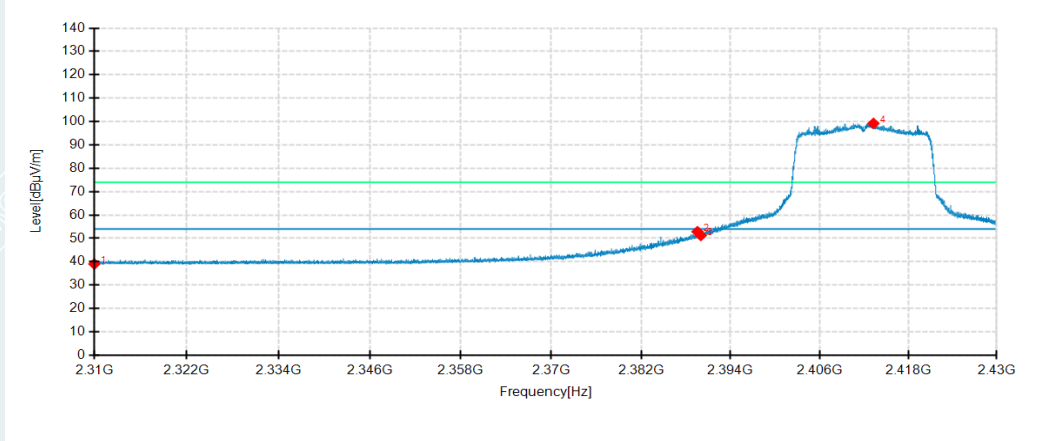
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

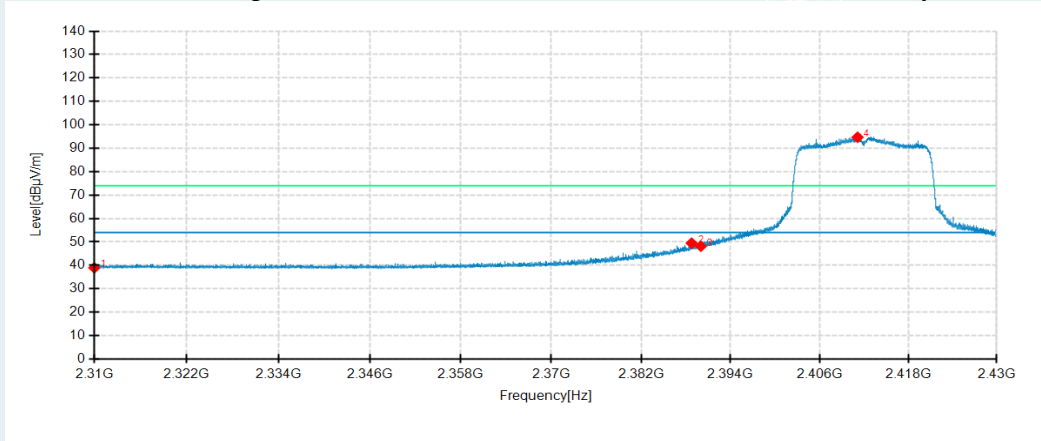
Date: 2022-02-28

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	2310.0000	35.55	39.03	3.48	54.00	14.97	200	190	Horizontal	/
2	2389.5480	49.04	52.84	3.80	54.00	1.16	100	183	Horizontal	/
3	2390.0000	47.41	51.22	3.81	54.00	2.78	100	183	Horizontal	/
4	2413.2720	95.12	99.17	4.05	54.00	-45.17	200	156	Horizontal	No limit
1	2310.0000	35.46	38.94	3.48	54.00	15.06	100	204	Vertical	/
2	2388.7680	45.69	49.48	3.79	54.00	4.52	100	252	Vertical	/
3	2390.0000	44.34	48.15	3.81	54.00	5.85	100	266	Vertical	/
4	2411.1240	90.64	94.68	4.04	54.00	-40.68	100	272	Vertical	No limit

802.11n HT20 mode-MIMO

Highest Channel

Frequency 2462MHz

Environment: 25 °C/60%RH

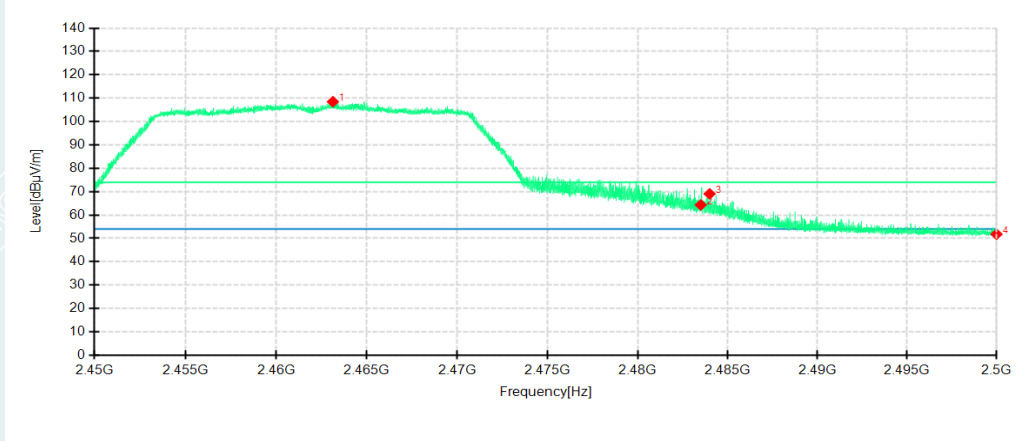
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

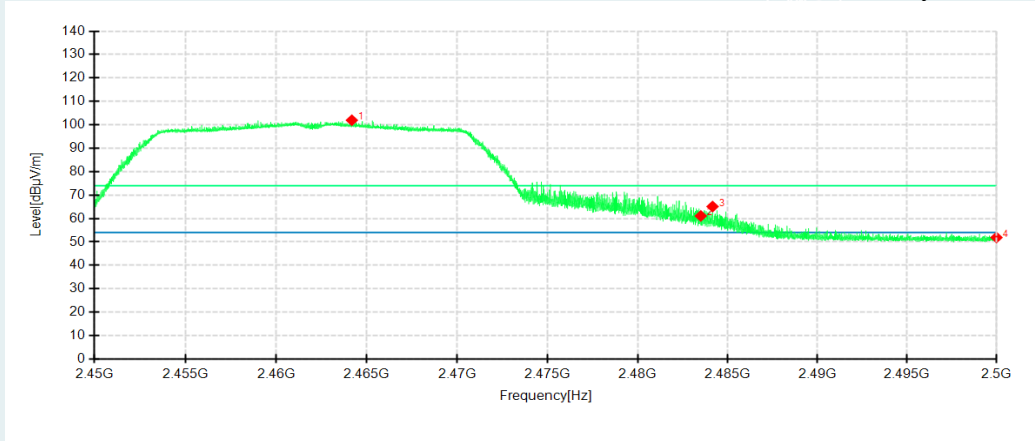
Date: 2022-02-28

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	2463.1250	104.21	108.48	4.27	74.00	-34.48	100	168	Horizontal	No limit
2	2483.5000	60.00	64.33	4.33	74.00	9.67	200	253	Horizontal	/
3	2483.9900	64.72	69.05	4.33	74.00	4.95	200	163	Horizontal	/
4	2500.0000	47.38	51.76	4.38	74.00	22.24	100	141	Horizontal	/
1	2464.1700	97.67	101.94	4.27	74.00	-27.94	100	150	Vertical	No limit
2	2483.5000	56.75	61.08	4.33	74.00	12.92	100	164	Vertical	/
3	2484.1550	60.76	65.09	4.33	74.00	8.91	100	303	Vertical	/
4	2500.0000	47.50	51.88	4.38	74.00	22.12	100	157	Vertical	/

802.11n HT20 mode-MIMO

Highest Channel

Frequency 2462MHz

Environment: 25 °C/60%RH

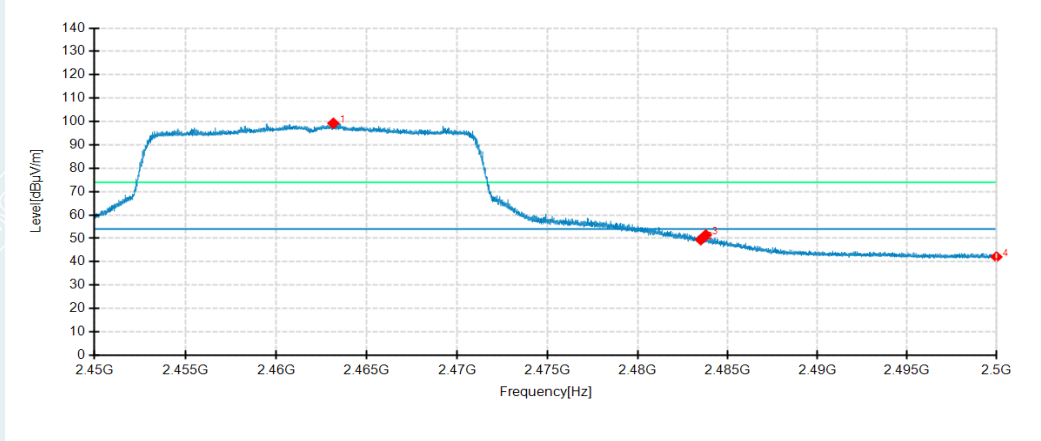
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

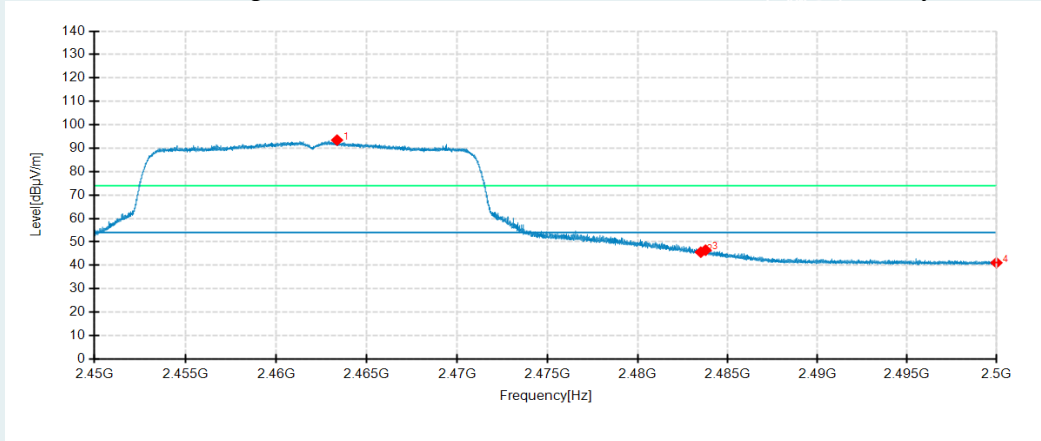
Date: 2022-02-28

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	2463.1500	94.99	99.26	4.27	54.00	-45.26	100	183	Horizontal	No limit
2	2483.5000	45.10	49.43	4.33	54.00	4.57	100	183	Horizontal	/
3	2483.7800	47.12	51.45	4.33	54.00	2.55	100	204	Horizontal	/
4	2500.0000	37.68	42.06	4.38	54.00	11.94	100	169	Horizontal	/
1	2463.3550	89.19	93.46	4.27	54.00	-39.46	100	252	Vertical	No limit
2	2483.5000	41.29	45.62	4.33	54.00	8.38	100	142	Vertical	/
3	2483.7650	42.13	46.46	4.33	54.00	7.54	100	142	Vertical	/
4	2500.0000	36.72	41.10	4.38	54.00	12.90	100	252	Vertical	/

APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM

Please refer to the attached document E202111246805-20-Test photo.

APPENDIX B. PHOTOGRAPH OF THE EUT

Please refer to the attached document E202111246805-21-EUT photo.

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