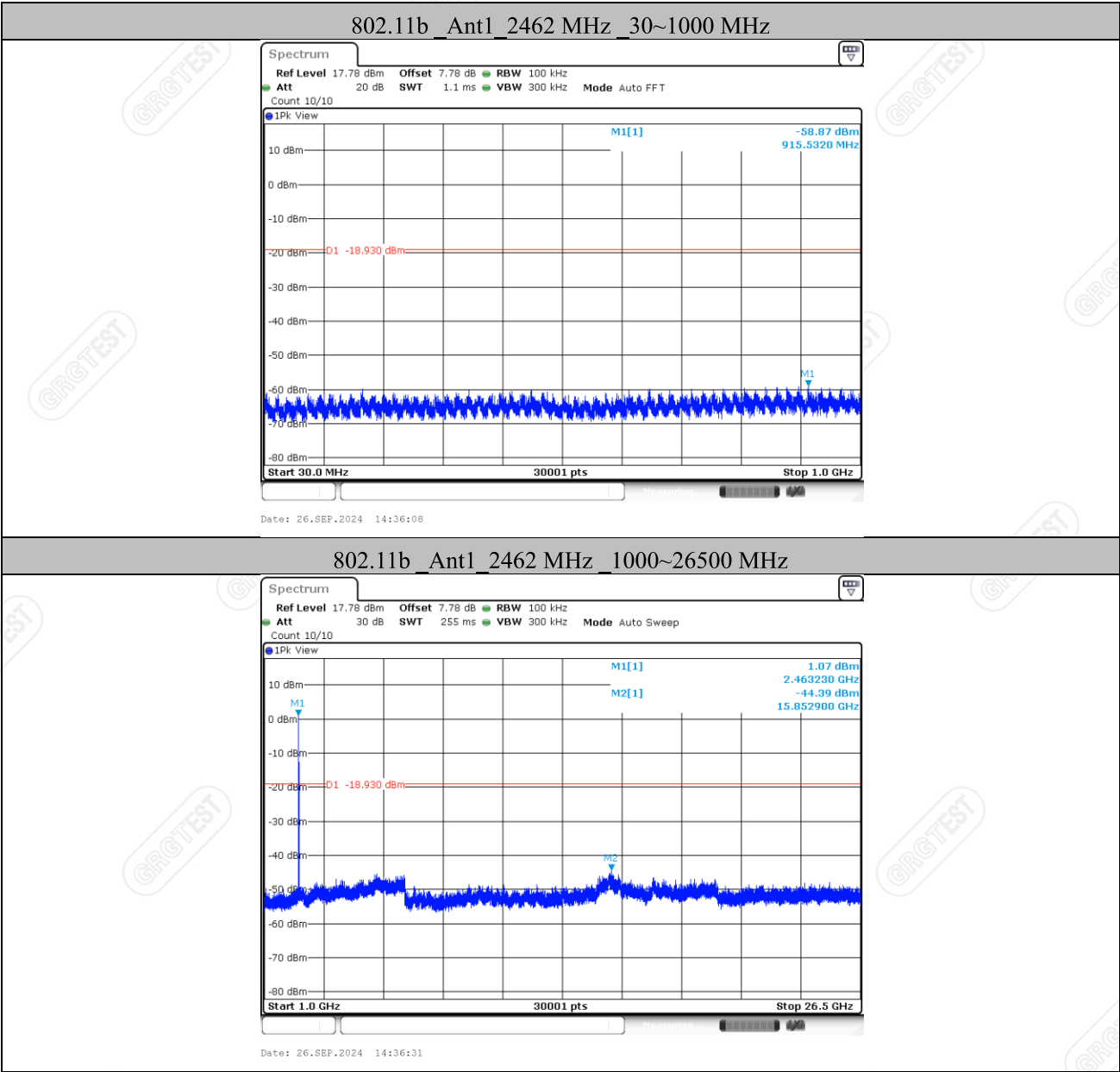
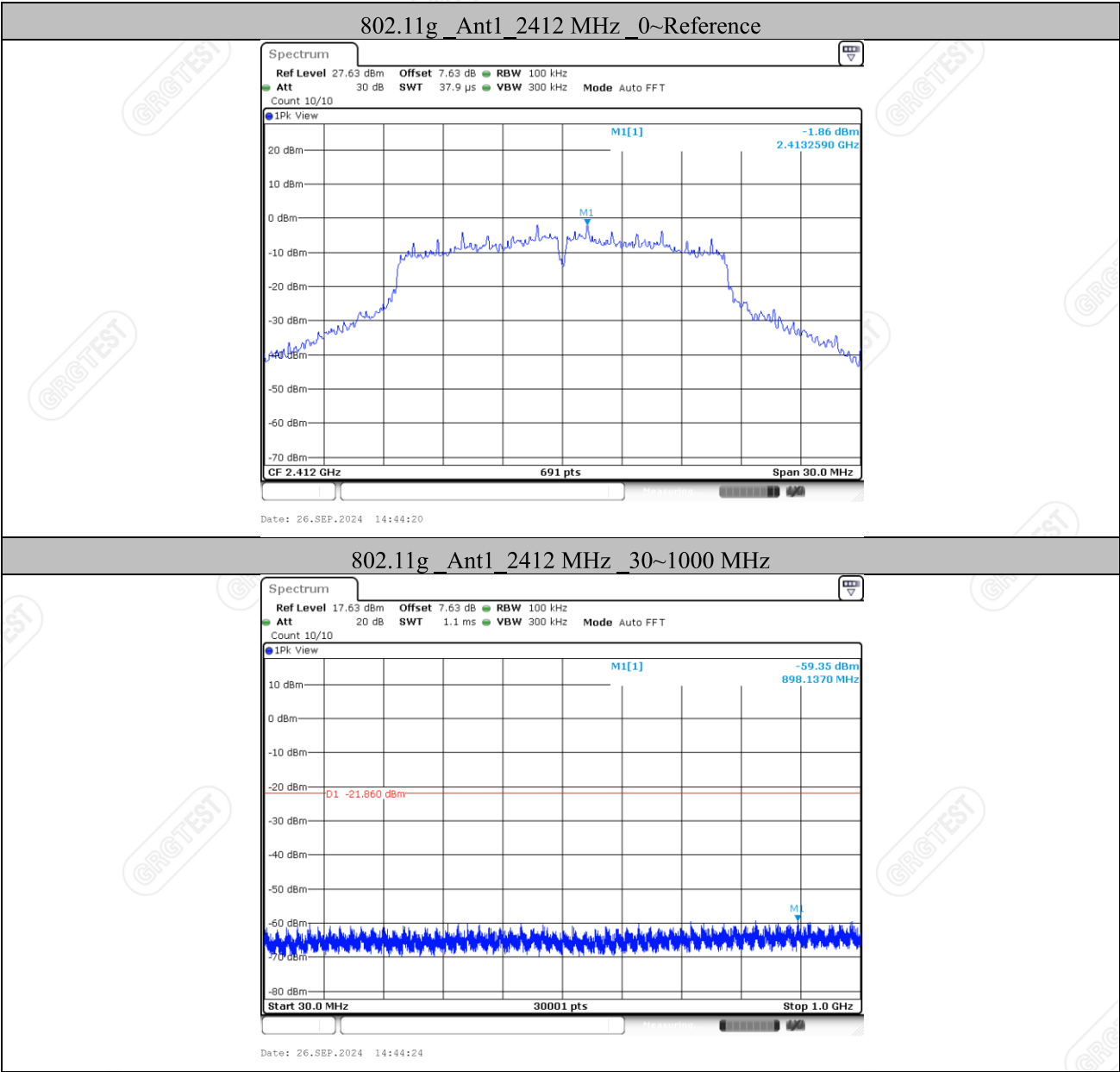
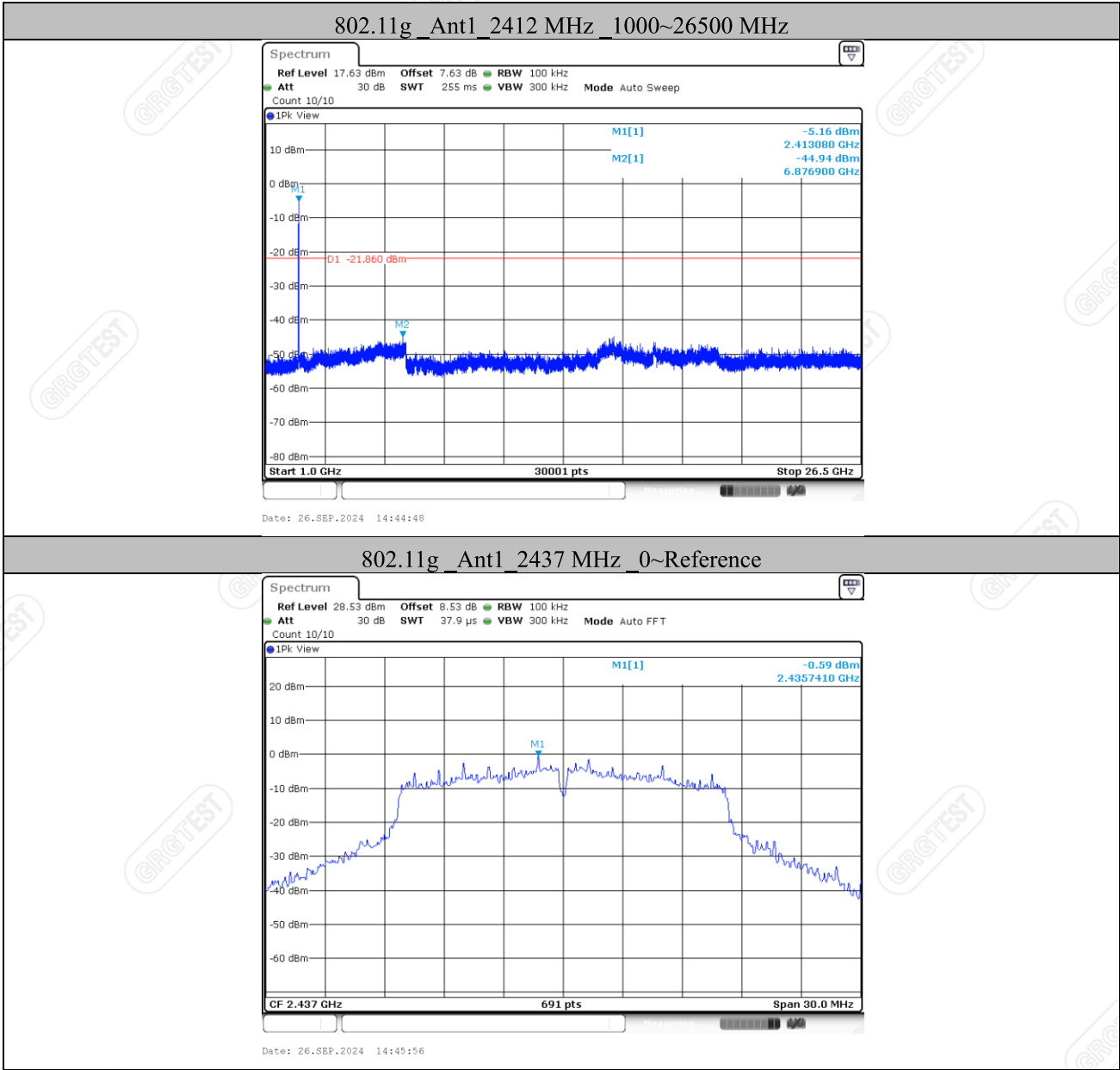
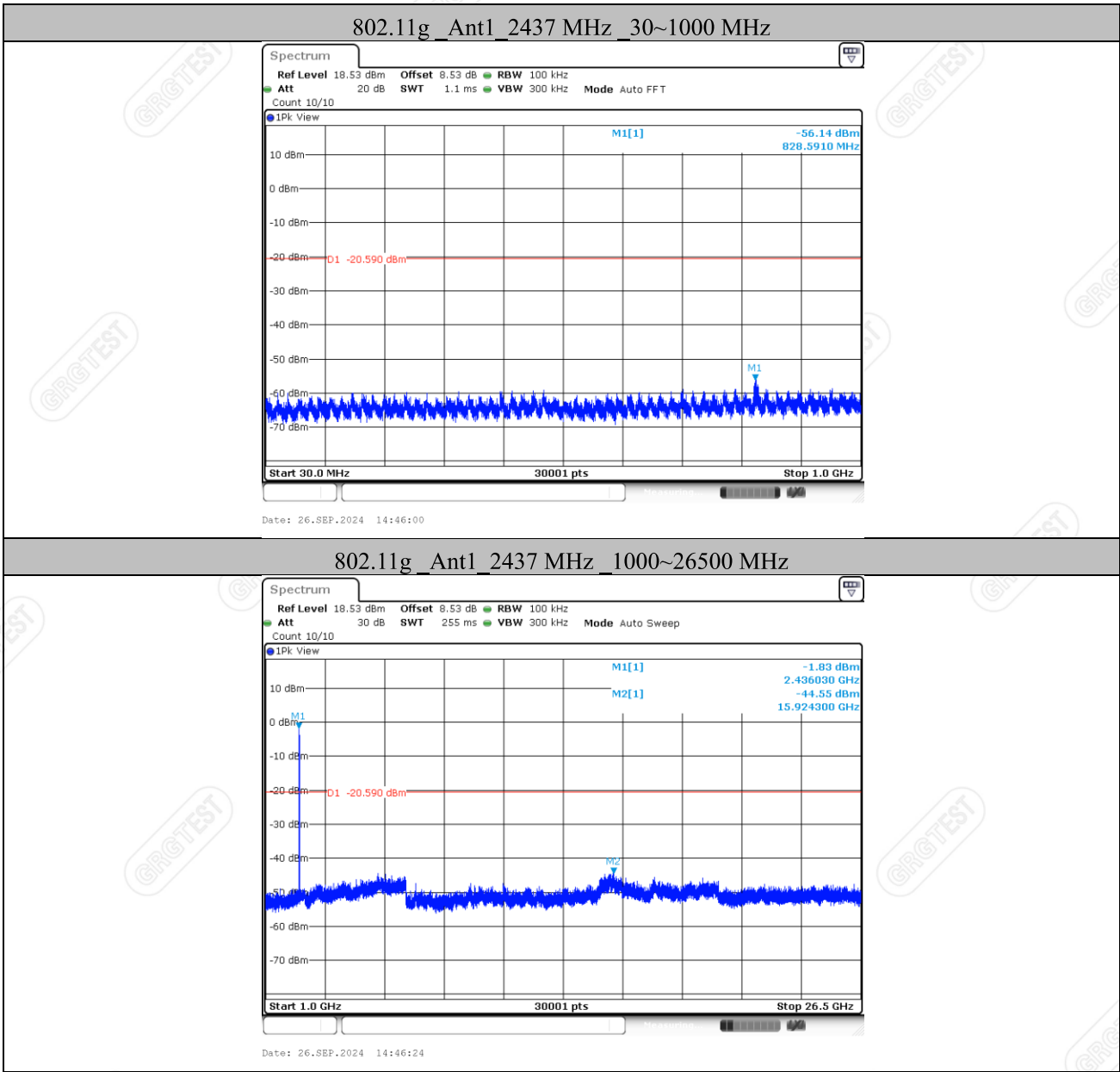
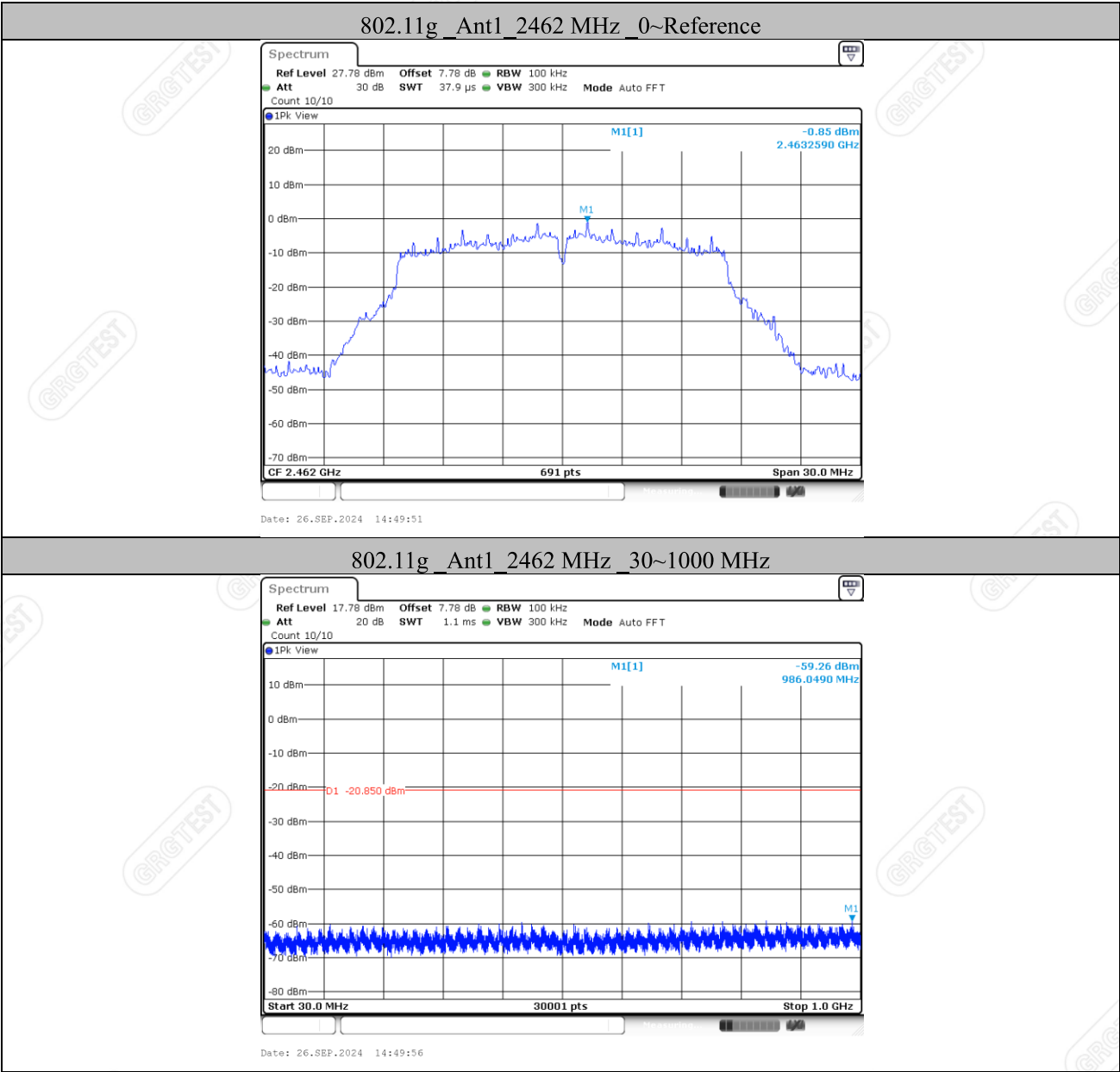


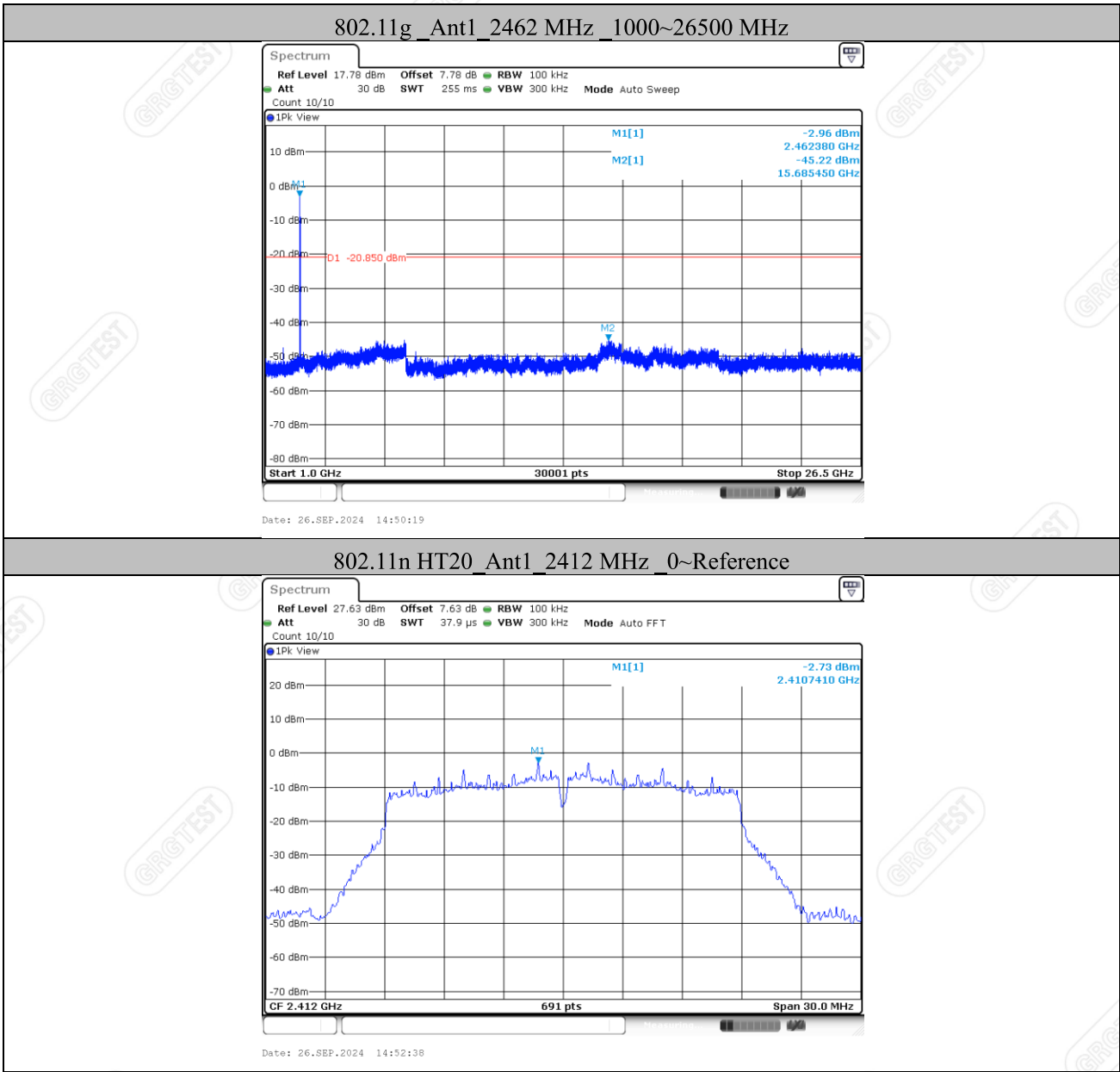


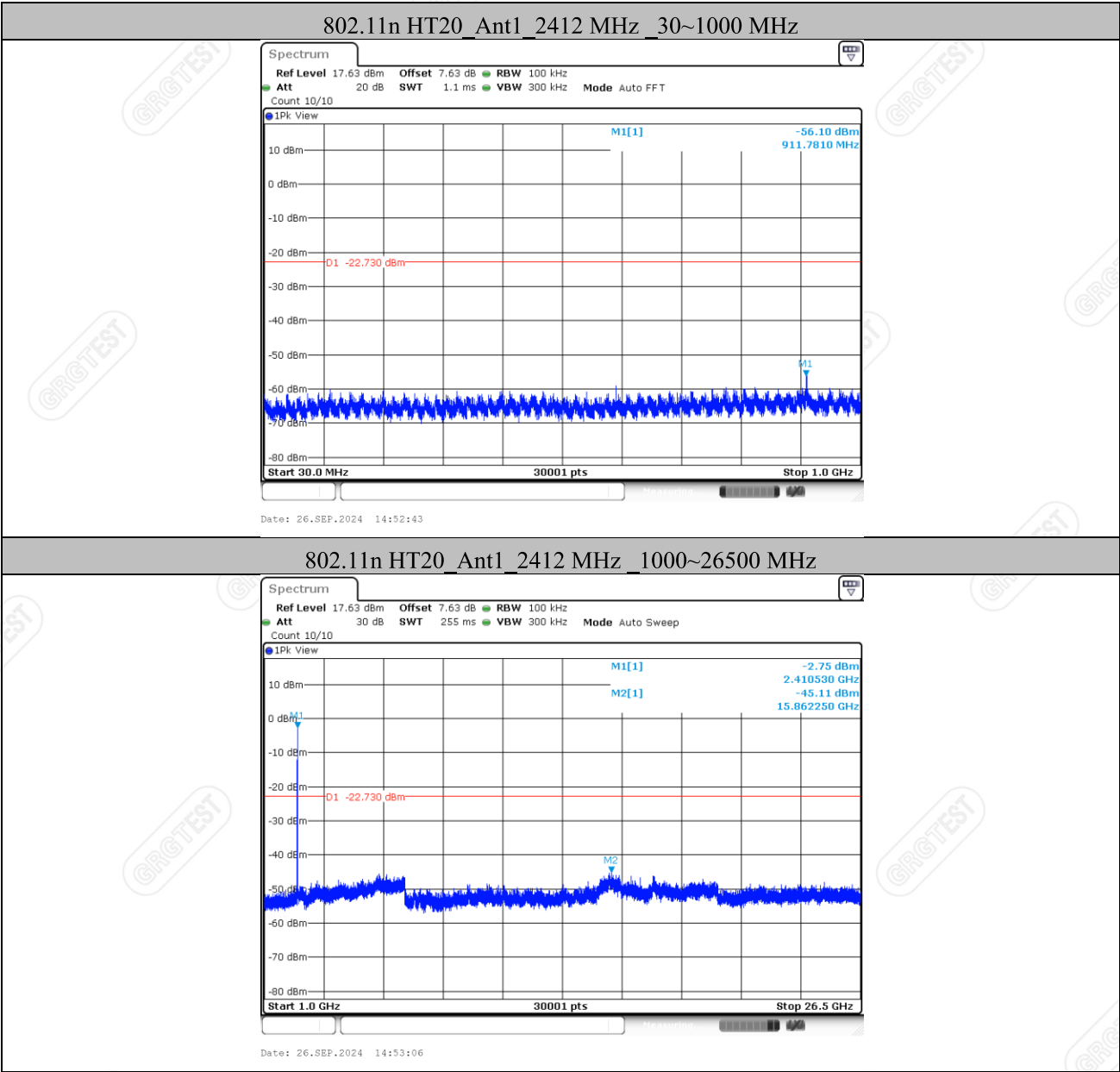


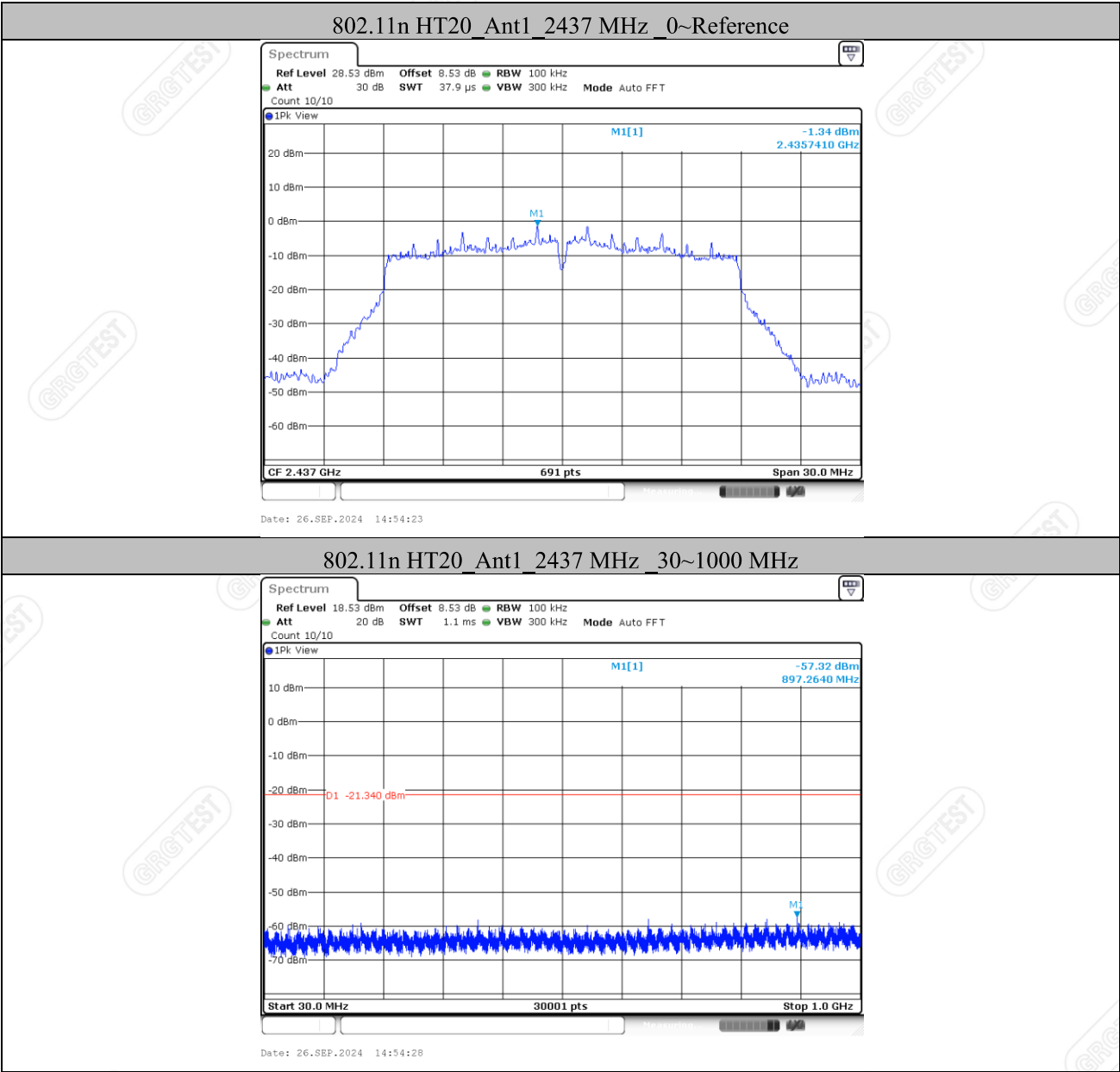


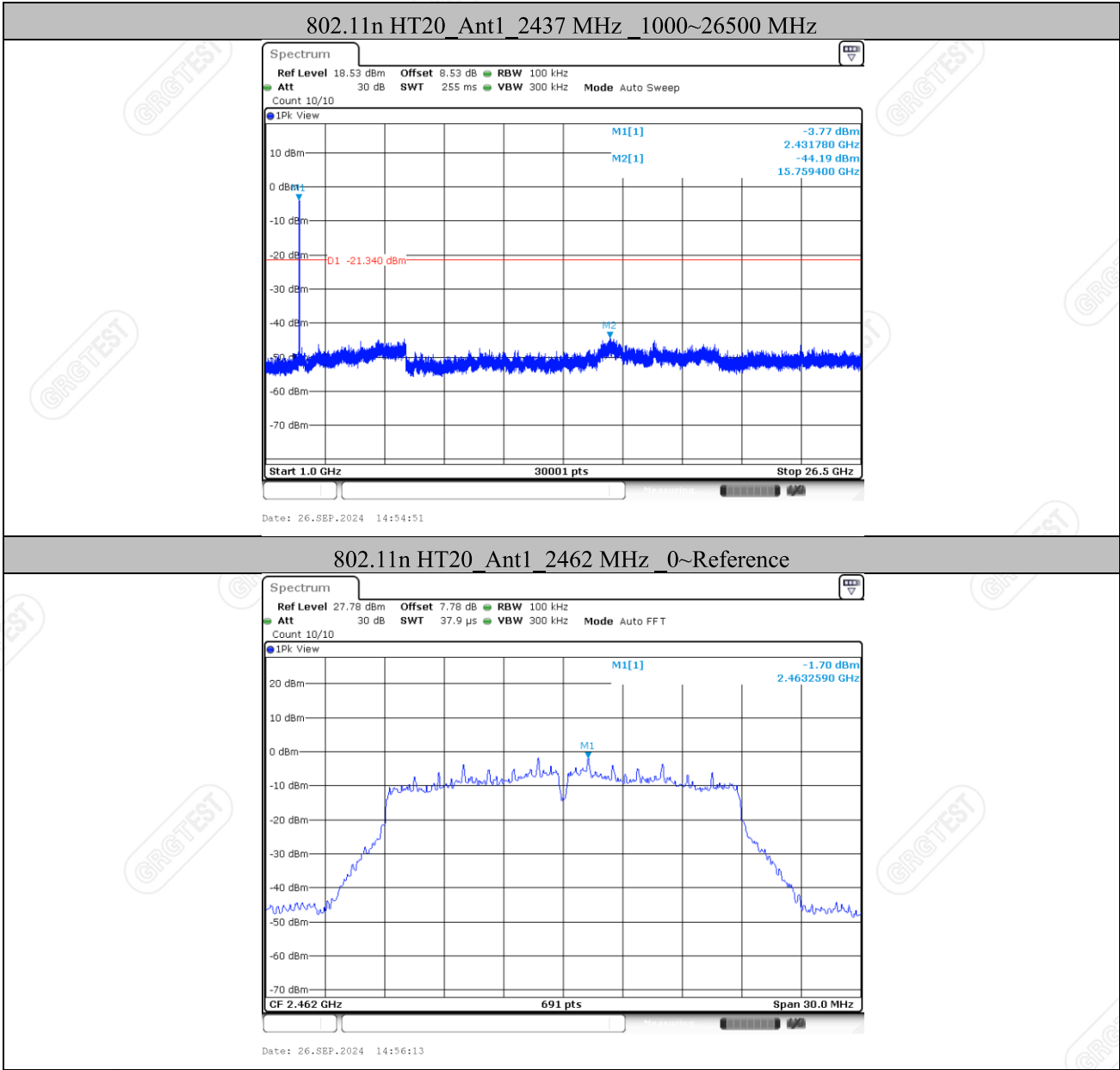


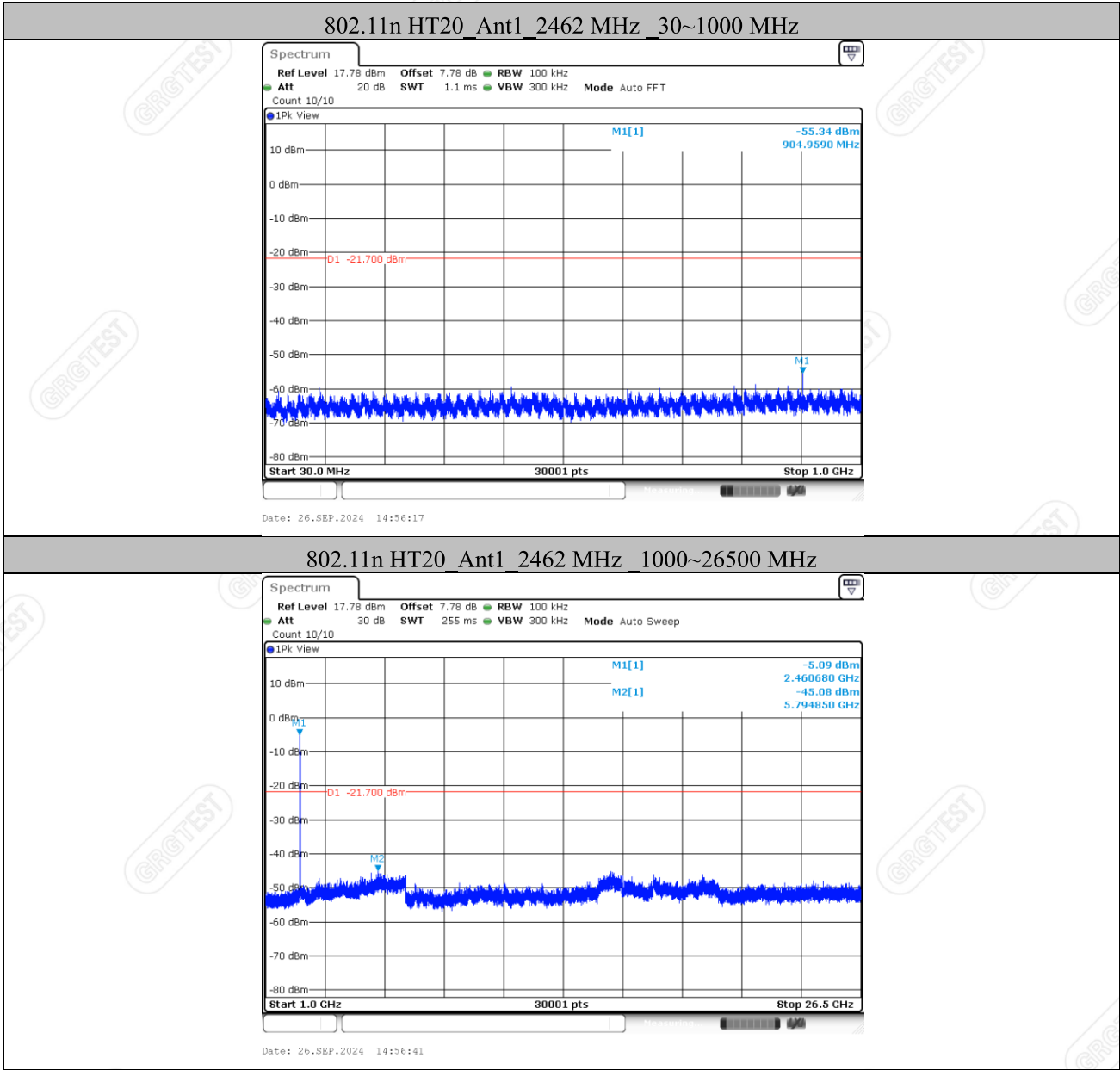


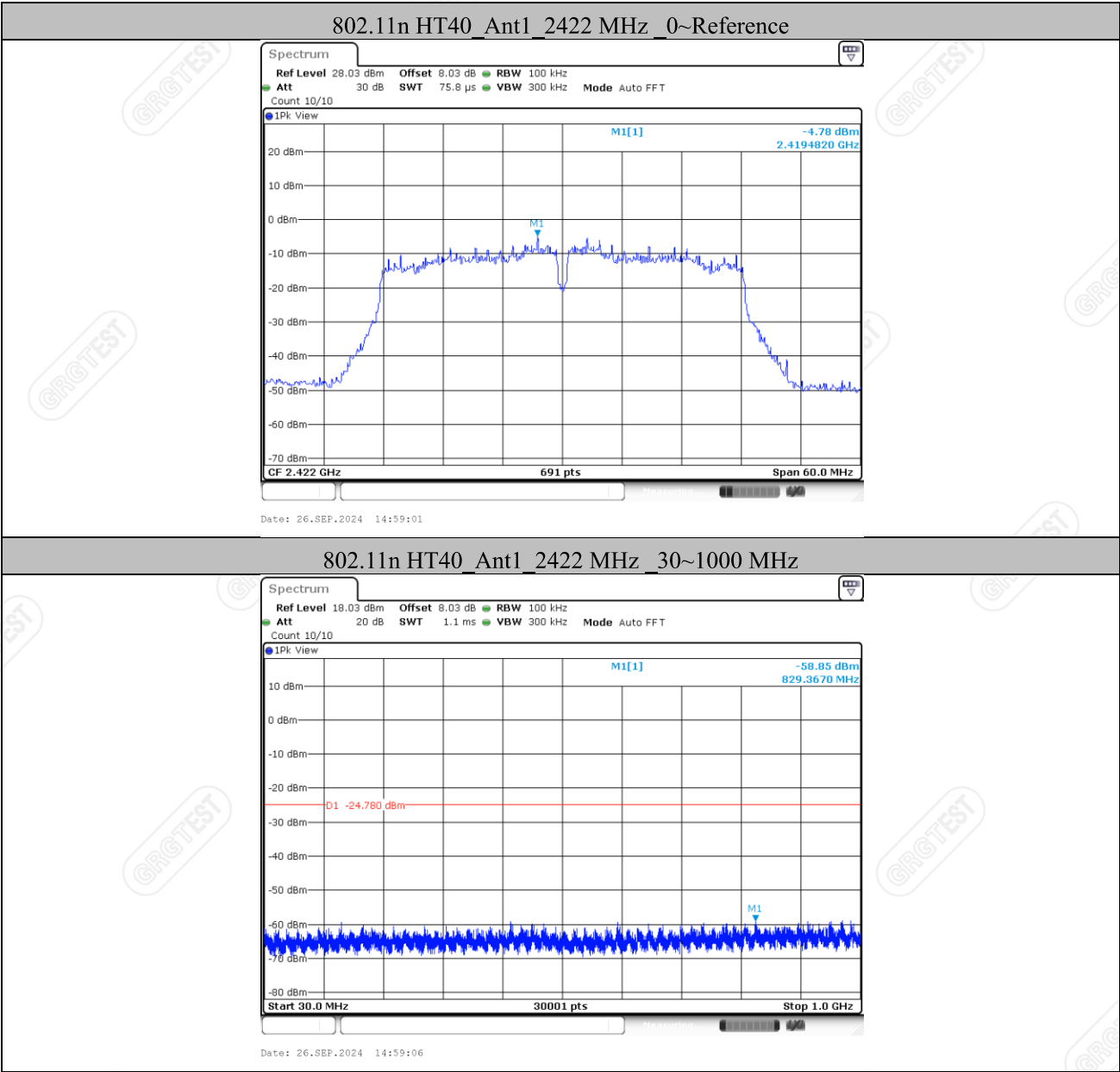




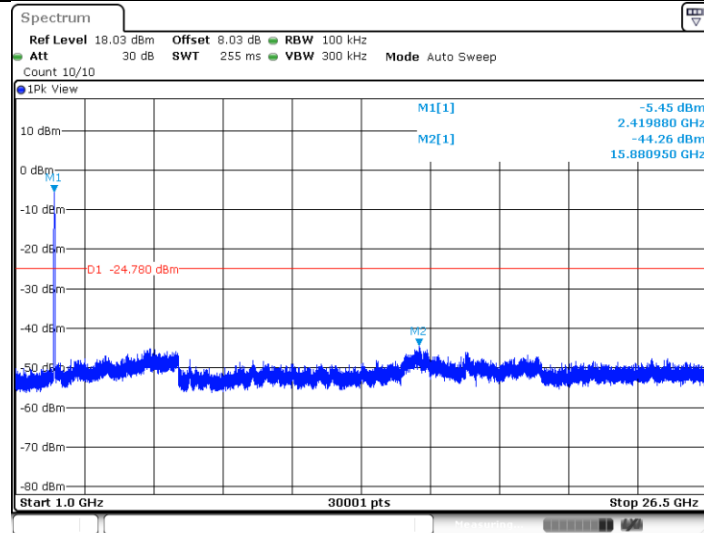






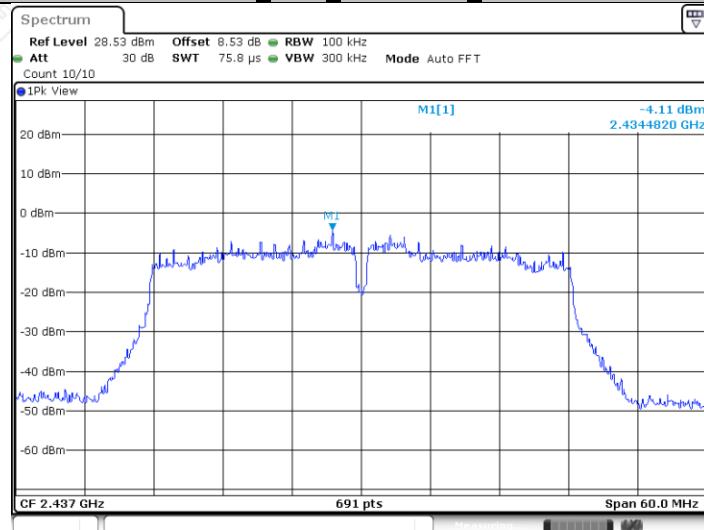


802.11n HT40_Ant1_2422 MHz_1000~26500 MHz

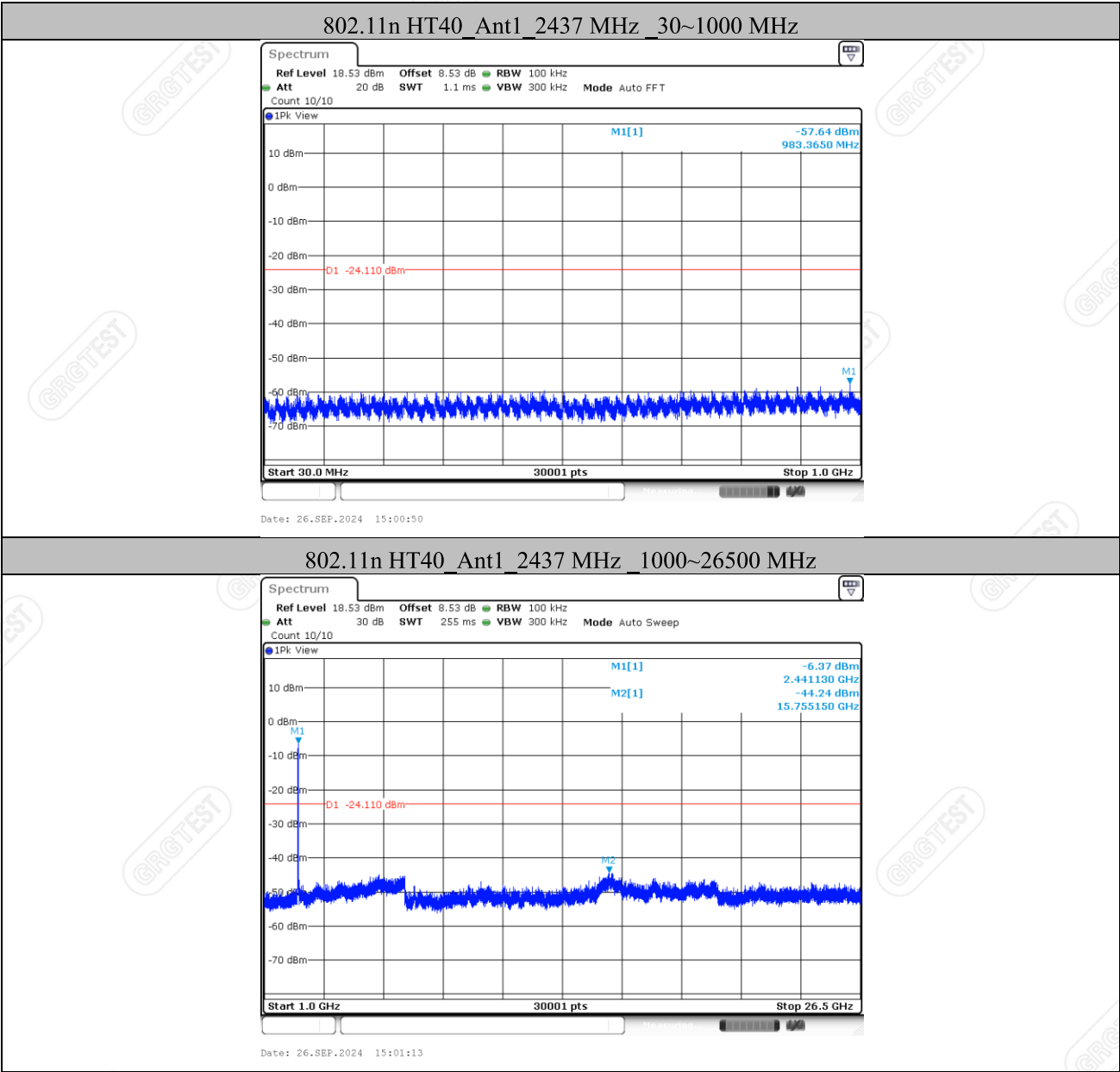


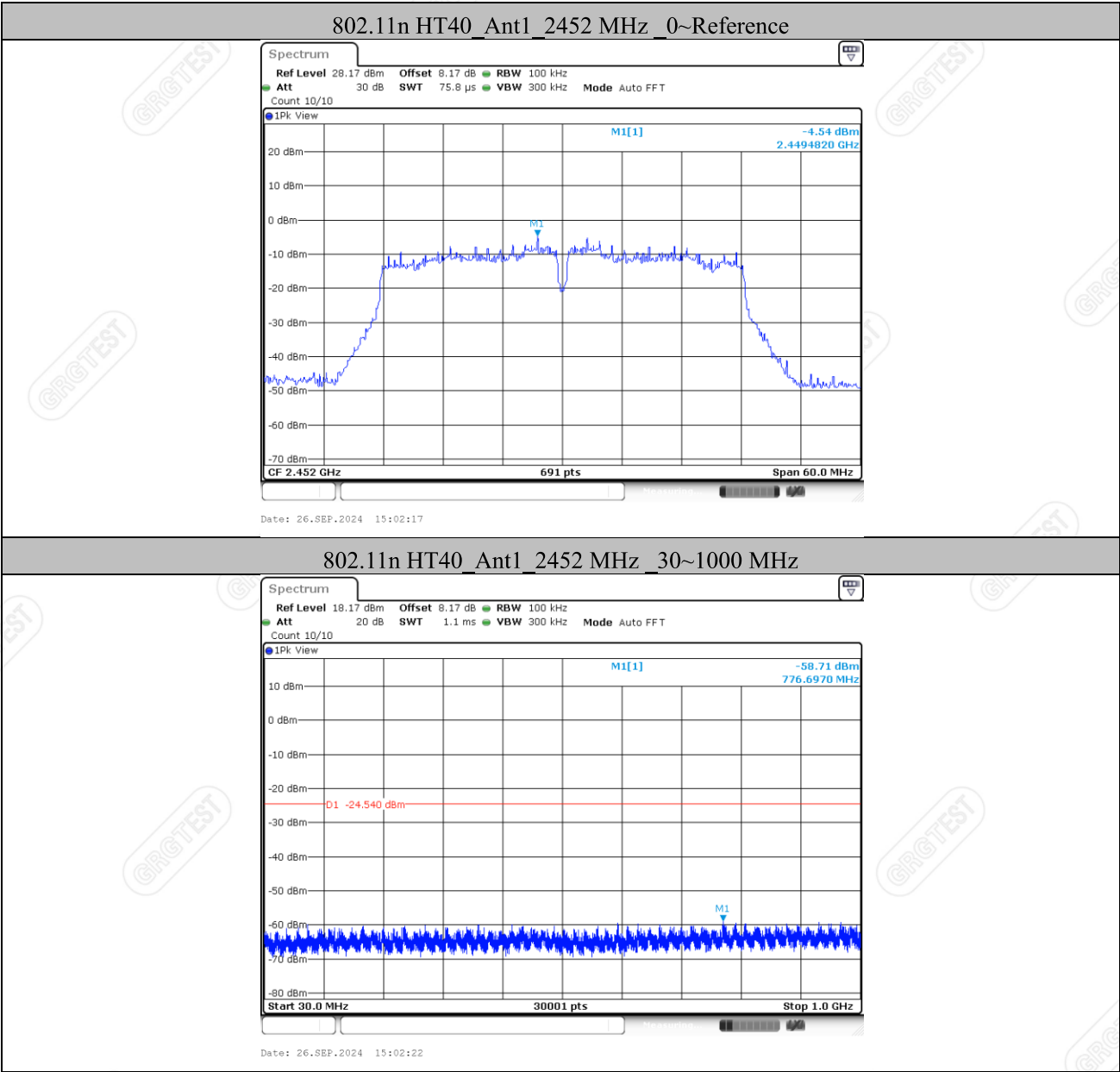
Date: 26.SEP.2024 14:59:29

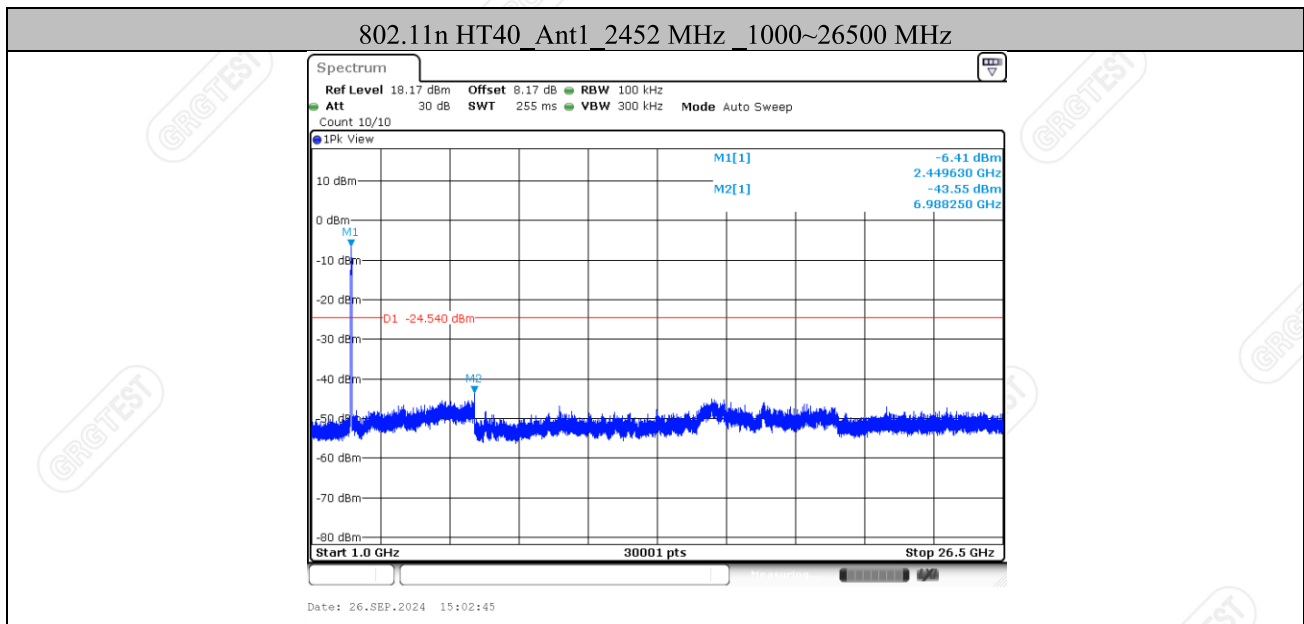
802.11n HT40_Ant1_2437 MHz_0~Reference



Date: 26.SEP.2024 15:00:45







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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)).

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			

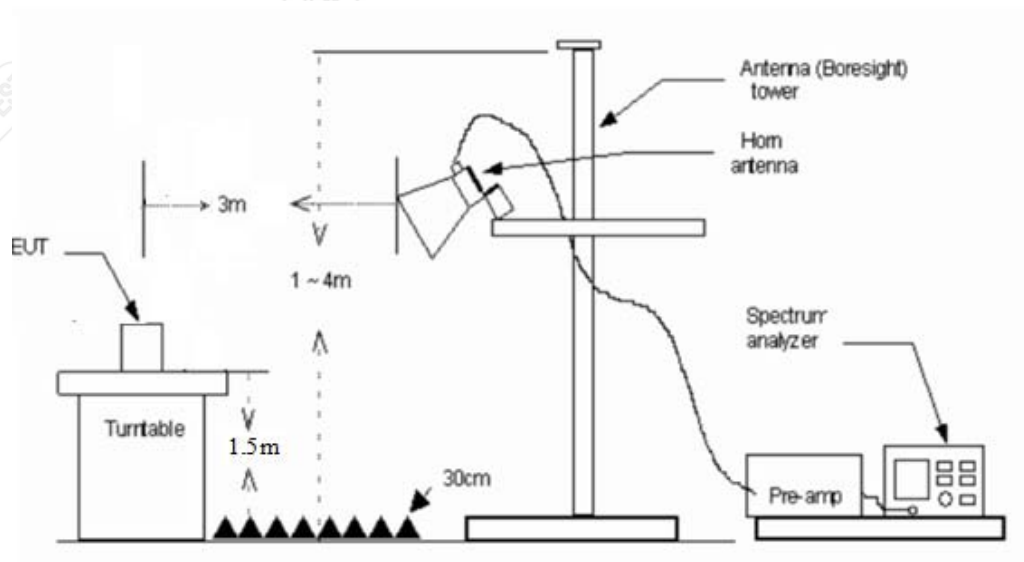
Frequency (MHz)	Quasi-peak(μV/m)	Measurement distance(m)	Quasi-peak(dBμV/m)@distance 3m
0.009-0.490	2400/F(kHz)	300	53.8~88.5
0.490-1.705	24000/F(kHz)	30	43~53.8
1.705-30.0	30	30	49.5
30 ~ 88	100	3	40
88~216	150	3	43.5
216 ~ 960	200	3	46
Above 960	500	3	54

10.2 TEST PROCEDURES

- 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
 - c) 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.
 - d) If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$, Where T is defined in section 2.9.

Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.

10.3 TEST SETUP



10.4 TEST RESULTS

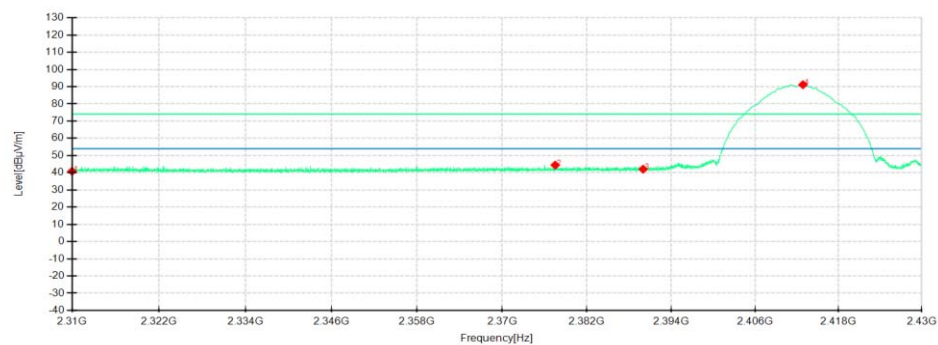
Test Voltage:	DC 12V	Test Engineer:	Zhao yaru
Test Date	2024-10-01	Environmental Conditions	25.7°C/59%RH/101.0kPa

802.11b mode**Lowest Channel**

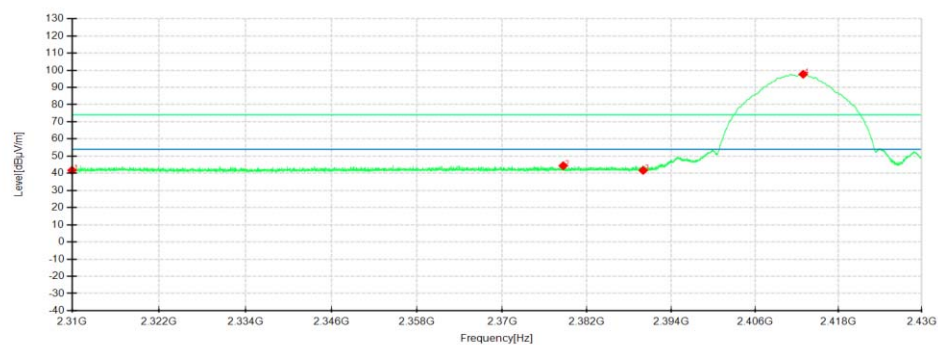
Frequency 2412MHz

Detector mode: Peak

Polarity: Horizontal

Detector mode: Peak
Vertical

Polarity:



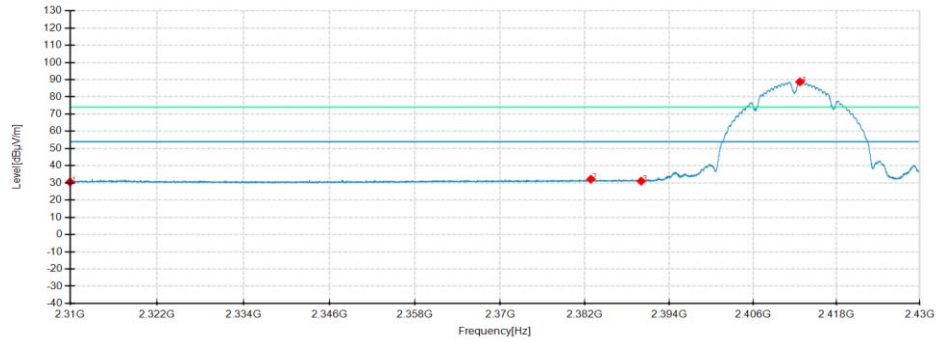
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	46.31	40.83	-5.48	74.00	33.17	200	209	Horizontal	/
2	2377.5000	49.95	44.41	-5.54	74.00	29.59	200	121	Horizontal	/
3	2390.0000	47.45	42.06	-5.39	74.00	31.94	100	176	Horizontal	/
4	2412.8700	96.21	91.13	-5.08	74.00	-17.13	200	340	Horizontal	No limit
1	2310.0000	47.02	41.70	-5.32	74.00	32.30	200	18	Vertical	/
2	2378.6400	49.88	44.41	-5.47	74.00	29.59	100	339	Vertical	/
3	2390.0000	47.17	41.70	-5.47	74.00	32.30	200	18	Vertical	/
4	2412.9000	103.06	97.66	-5.40	74.00	-23.66	200	18	Vertical	No limit

802.11b mode**Lowest Channel**

Frequency 2412MHz

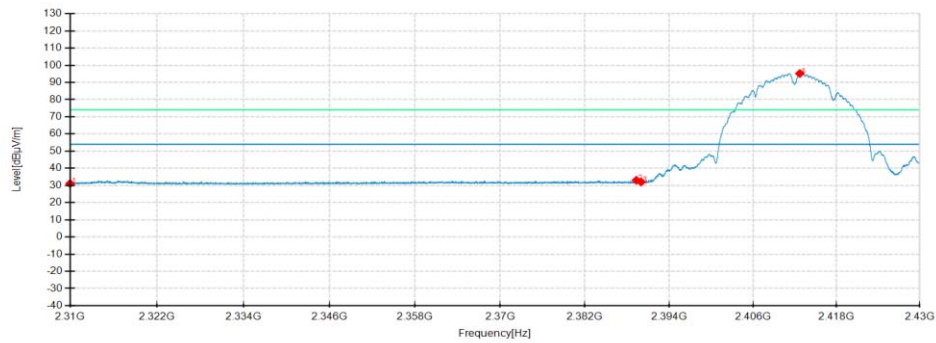
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

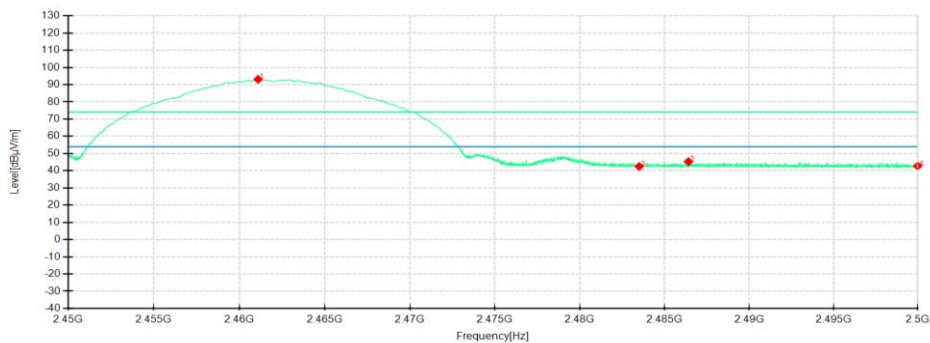
Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	36.02	30.54	-5.48	54.00	23.46	200	100	Horizontal	/
2	2382.8400	37.64	32.16	-5.48	54.00	21.84	100	277	Horizontal	/
3	2390.0000	36.45	31.06	-5.39	54.00	22.94	200	340	Horizontal	/
4	2412.7200	93.79	88.71	-5.08	54.00	-34.71	200	340	Horizontal	No limit
1	2310.0000	36.41	31.09	-5.32	54.00	22.91	100	141	Vertical	/
2	2389.3200	38.49	33.02	-5.47	54.00	20.98	100	152	Vertical	/
3	2390.0000	37.52	32.05	-5.47	54.00	21.95	200	348	Vertical	/
4	2412.7050	100.59	95.19	-5.40	54.00	-41.19	200	359	Vertical	No limit

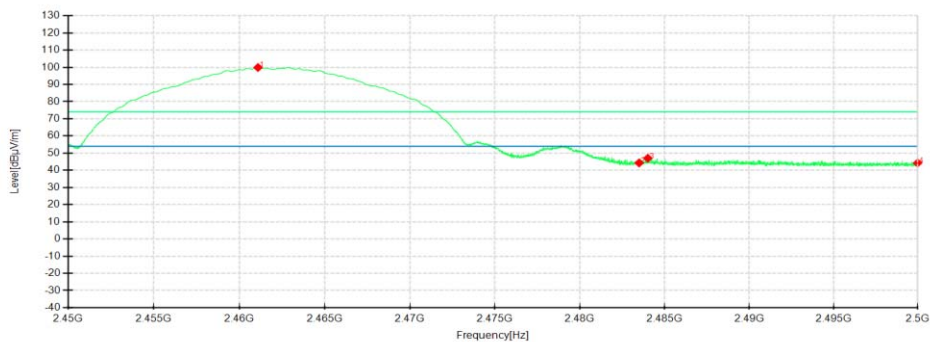
802.11b mode
Highest Channel
Frequency 2462MHz
Detector mode: Peak

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	2461.1000	97.70	93.07	-4.63	74.00	-19.07	200	340	Horizontal	No limit
2	2483.5000	47.33	42.50	-4.83	74.00	31.50	200	173	Horizontal	/
3	2486.4125	50.11	45.25	-4.86	74.00	28.75	200	32	Horizontal	/
4	2500.0000	47.72	42.73	-4.99	74.00	31.27	200	248	Horizontal	/
1	2461.0938	105.05	99.87	-5.18	74.00	-25.87	200	343	Vertical	No limit
2	2483.5000	49.37	44.30	-5.07	74.00	29.70	200	360	Vertical	/
3	2484.0125	52.06	47.00	-5.06	74.00	27.00	200	343	Vertical	/
4	2500.0000	49.25	44.26	-4.99	74.00	29.74	200	202	Vertical	/

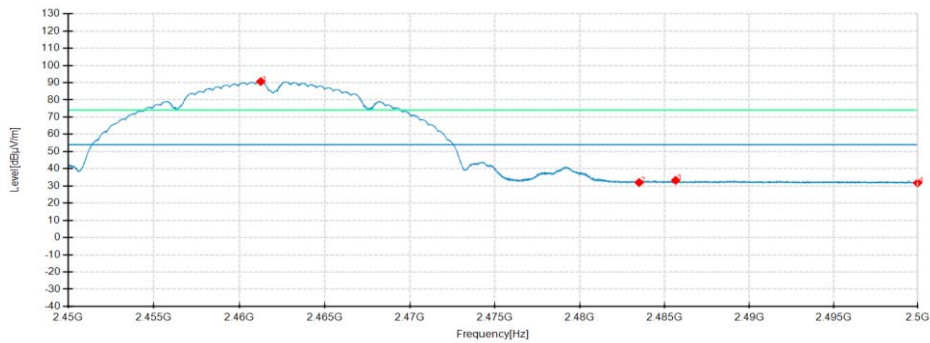
802.11b mode

Highest Channel

Frequency 2462MHz

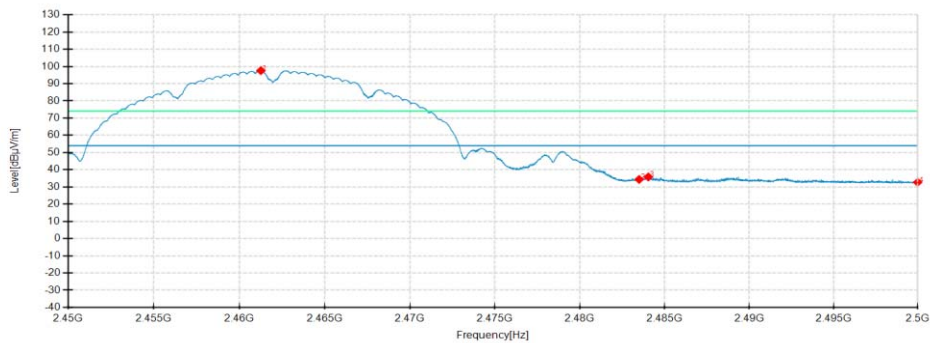
Detector mode: Average

Polarity: Horizontal



Detector mode: Average
Vertical

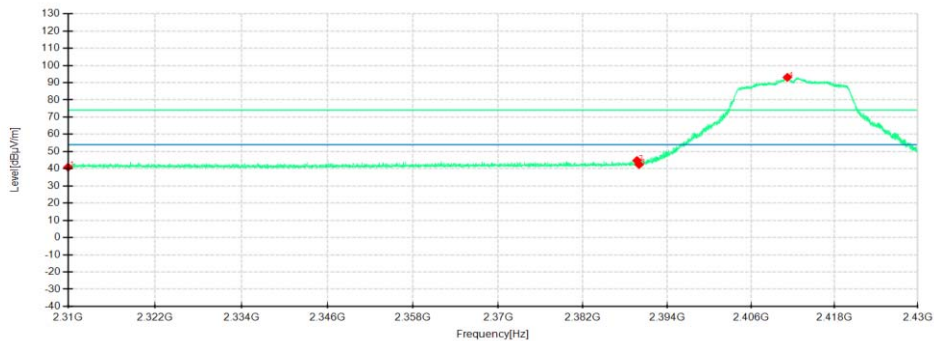
Polarity:



No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2461.2563	95.28	90.65	-4.63	54.00	-36.65	200	339	Horizontal	No limit
2	2483.5000	36.83	32.00	-4.83	54.00	22.00	200	149	Horizontal	/
3	2485.6563	38.08	33.22	-4.86	54.00	20.78	200	314	Horizontal	/
4	2500.0000	36.76	31.77	-4.99	54.00	22.23	200	238	Horizontal	/
1	2461.2625	102.75	97.58	-5.17	54.00	-43.58	200	338	Vertical	No limit
2	2483.5000	39.44	34.37	-5.07	54.00	19.63	200	338	Vertical	/
3	2484.0438	40.87	35.81	-5.06	54.00	18.19	200	338	Vertical	/
4	2500.0000	37.68	32.69	-4.99	54.00	21.31	100	327	Vertical	/

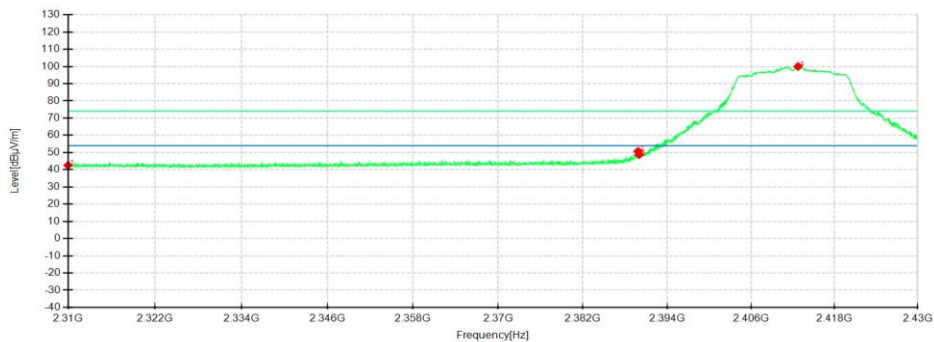
802.11g mode
Lowest Channel
Frequency 2412MHz
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak
Vertical

Polarity:



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	46.37	40.89	-5.48	74.00	33.11	200	340	Horizontal	/
2	2389.6950	50.17	44.78	-5.39	74.00	29.22	200	340	Horizontal	/
3	2390.0000	47.81	42.42	-5.39	74.00	31.58	200	340	Horizontal	/
4	2411.2050	98.18	93.07	-5.11	74.00	-19.07	200	340	Horizontal	No limit
1	2310.0000	47.86	42.54	-5.32	74.00	31.46	200	20	Vertical	/
2	2389.8300	56.17	50.70	-5.47	74.00	23.30	200	344	Vertical	/
3	2390.0000	54.22	48.75	-5.47	74.00	25.25	200	356	Vertical	/
4	2412.7350	105.35	99.95	-5.40	74.00	-25.95	200	360	Vertical	No limit

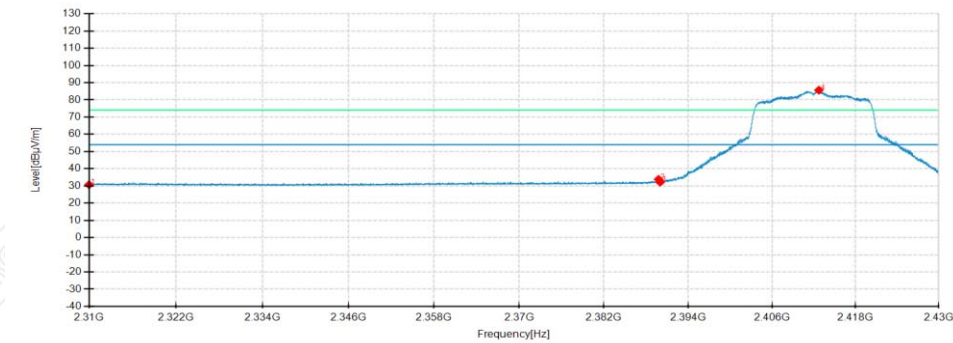
802.11g mode

Lowest Channel

Frequency 2412MHz

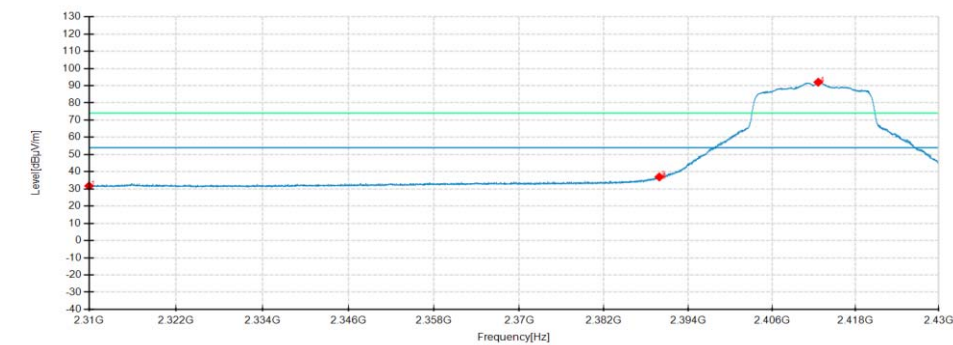
Detector mode: Average

Polarity: Horizontal



Detector mode: Average
Vertical

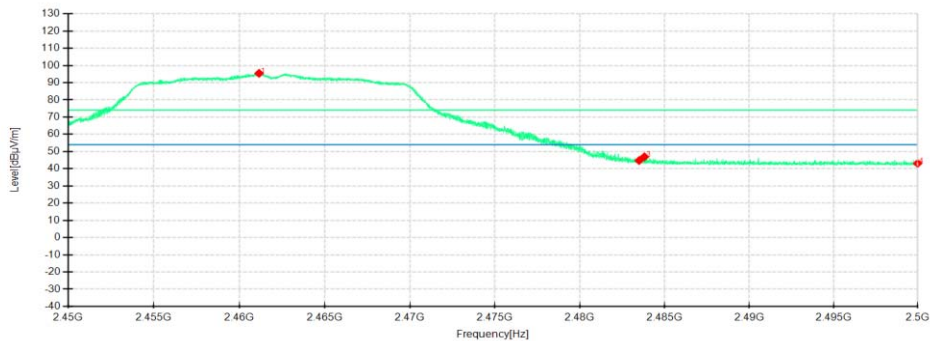
Polarity:



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	36.20	30.72	-5.48	54.00	23.28	200	340	Horizontal	/
2	2389.7700	39.23	33.84	-5.39	54.00	20.16	200	340	Horizontal	/
3	2390.0000	37.57	32.18	-5.39	54.00	21.82	100	340	Horizontal	/
4	2412.7200	90.72	85.64	-5.08	54.00	-31.64	200	340	Horizontal	No limit
1	2310.0000	37.04	31.72	-5.32	54.00	22.28	200	360	Vertical	/
2	2389.8750	42.45	36.98	-5.47	54.00	17.02	200	360	Vertical	/
3	2390.0000	41.42	35.95	-5.47	54.00	18.05	200	34	Vertical	/
4	2412.6300	97.41	92.01	-5.40	54.00	-38.01	200	358	Vertical	No limit

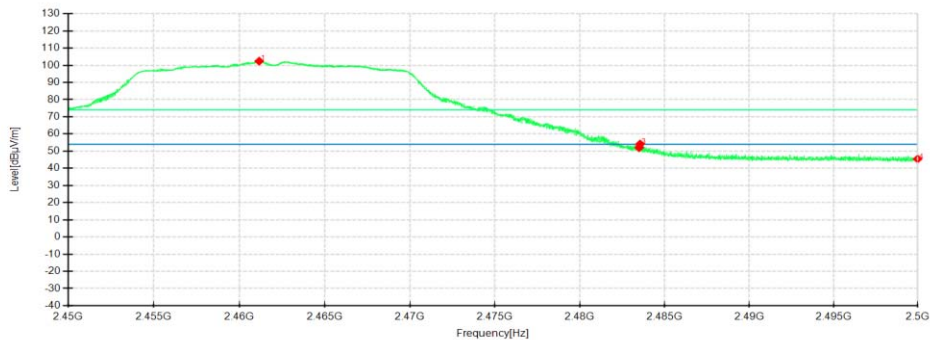
802.11g mode
Highest Channel
Frequency 2462MHz
Detector mode: Peak

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	2461.1563	100.05	95.42	-4.63	74.00	-21.42	200	339	Horizontal	No limit
2	2483.5000	49.60	44.77	-4.83	74.00	29.23	200	17	Horizontal	/
3	2483.8125	51.77	46.93	-4.84	74.00	27.07	200	328	Horizontal	/
4	2500.0000	48.08	43.09	-4.99	74.00	30.91	200	339	Horizontal	/
1	2461.1625	107.57	102.39	-5.18	74.00	-28.39	200	342	Vertical	No limit
2	2483.5000	57.09	52.02	-5.07	74.00	21.98	200	329	Vertical	/
3	2483.5563	59.20	54.13	-5.07	74.00	19.87	200	329	Vertical	/
4	2500.0000	50.41	45.42	-4.99	74.00	28.58	200	35	Vertical	/

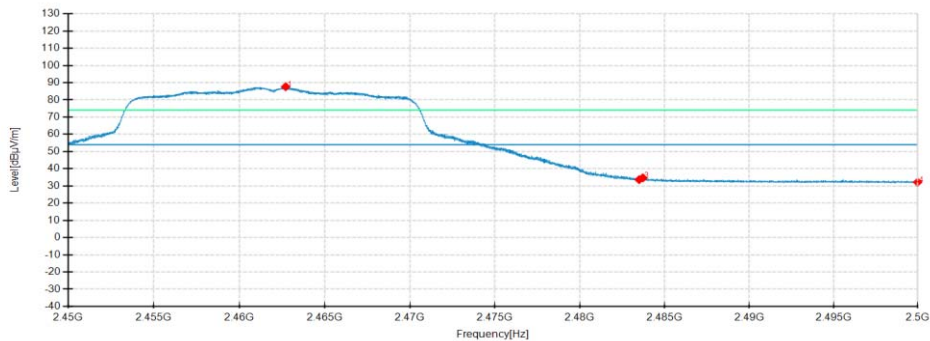
802.11g mode

Highest Channel

Frequency 2462MHz

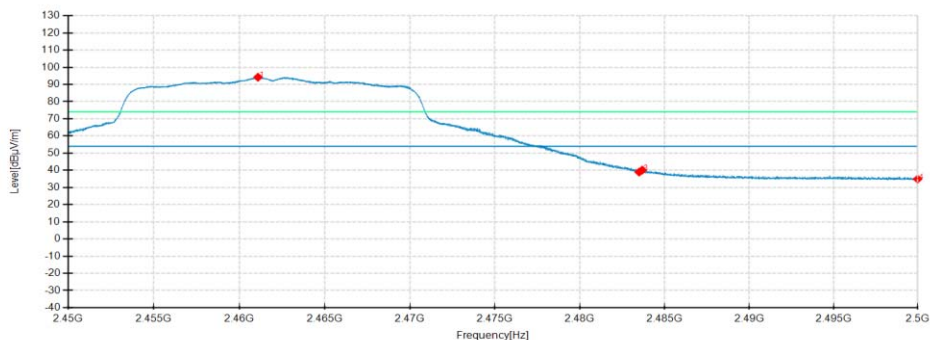
Detector mode: Average

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	2462.7125	92.27	87.62	-4.65	54.00	-33.62	200	340	Horizontal	No limit
2	2483.5000	38.48	33.65	-4.83	54.00	20.35	200	340	Horizontal	/
3	2483.7188	39.51	34.67	-4.84	54.00	19.33	200	329	Horizontal	/
4	2500.0000	37.18	32.19	-4.99	54.00	21.81	100	109	Horizontal	/
1	2461.0938	99.37	94.19	-5.18	54.00	-40.19	200	335	Vertical	No limit
2	2483.5000	44.03	38.96	-5.07	54.00	15.04	200	33	Vertical	/
3	2483.6813	45.17	40.10	-5.07	54.00	13.90	200	348	Vertical	/
4	2500.0000	39.88	34.89	-4.99	54.00	19.11	200	358	Vertical	/

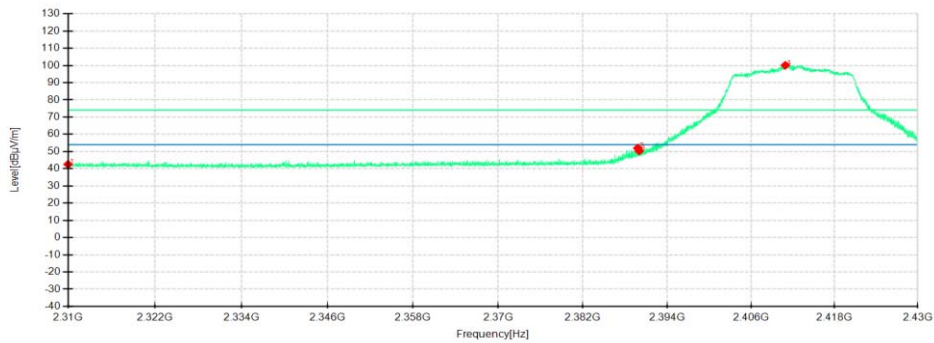
802.11n HT20 mode

Lowest Channel

Frequency 2412MHz

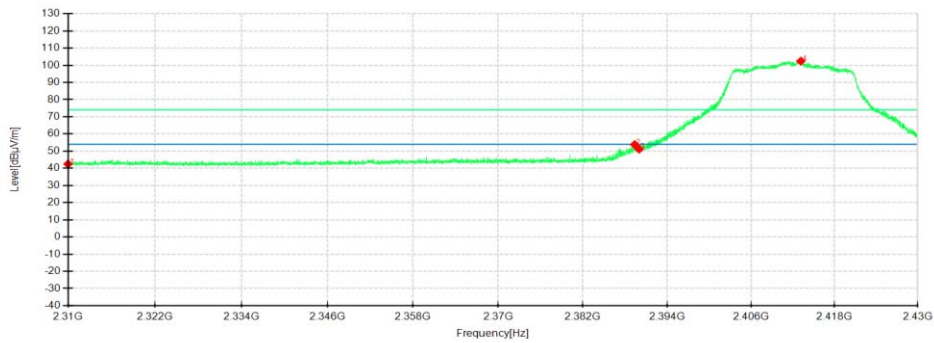
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



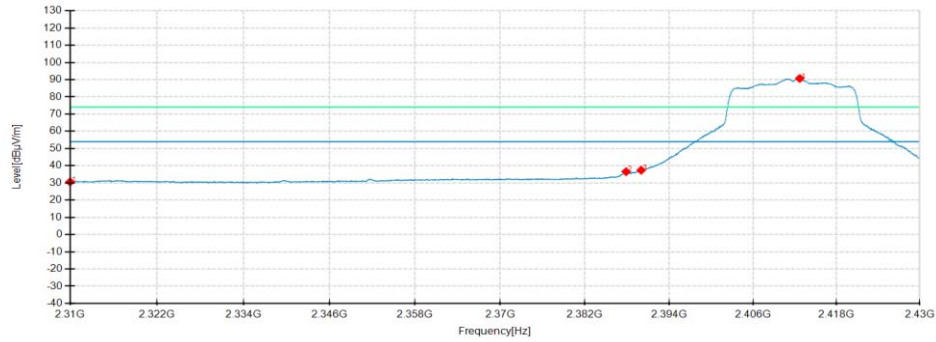
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	48.01	42.53	-5.48	74.00	31.47	200	28	Horizontal	/
2	2389.8000	57.36	51.97	-5.39	74.00	22.03	100	296	Horizontal	/
3	2390.0000	55.73	50.34	-5.39	74.00	23.66	100	310	Horizontal	/
4	2410.9050	105.17	100.06	-5.11	74.00	-26.06	100	310	Horizontal	No limit
1	2310.0000	47.79	42.47	-5.32	74.00	31.53	200	349	Vertical	/
2	2389.3650	59.29	53.82	-5.47	74.00	20.18	200	312	Vertical	/
3	2390.0000	56.57	51.10	-5.47	74.00	22.90	200	323	Vertical	/
4	2413.1400	107.79	102.39	-5.40	74.00	-28.39	200	312	Vertical	No limit

802.11n HT20 mode**Lowest Channel**

Frequency 2412MHz

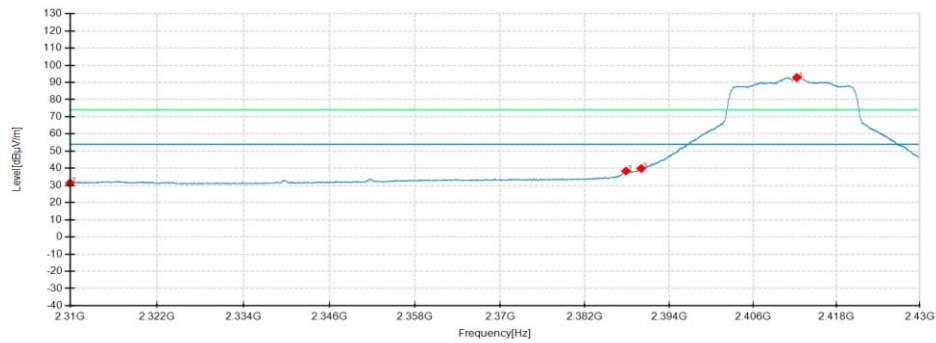
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



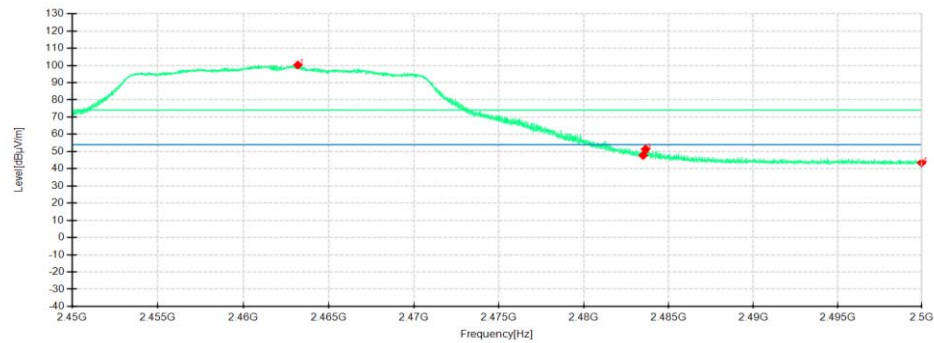
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	36.08	30.60	-5.48	54.00	23.40	100	334	Horizontal	/
2	2387.8500	41.95	36.53	-5.42	54.00	17.47	100	309	Horizontal	/
3	2390.0000	42.78	37.39	-5.39	54.00	16.61	100	321	Horizontal	/
4	2412.6900	95.74	90.66	-5.08	54.00	-36.66	100	321	Horizontal	No limit
1	2310.0000	36.74	31.42	-5.32	54.00	22.58	200	323	Vertical	/
2	2387.8350	43.85	38.38	-5.47	54.00	15.62	200	312	Vertical	/
3	2390.0000	45.36	39.89	-5.47	54.00	14.11	200	312	Vertical	/
4	2412.2700	98.25	92.83	-5.42	54.00	-38.83	200	312	Vertical	No limit

802.11n HT20 mode**Highest Channel**

Frequency 2462MHz

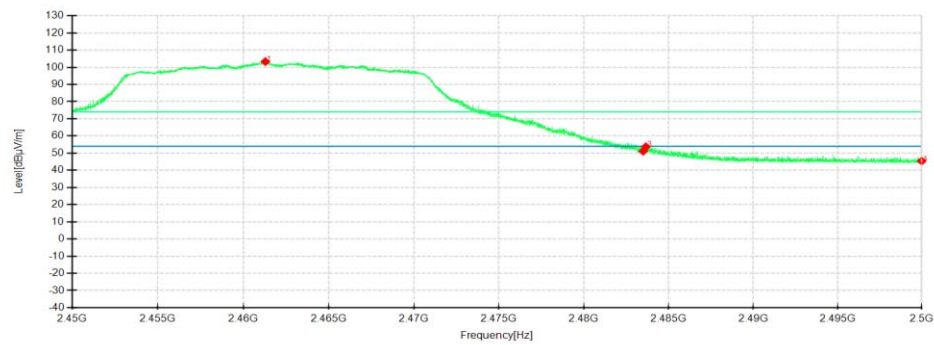
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



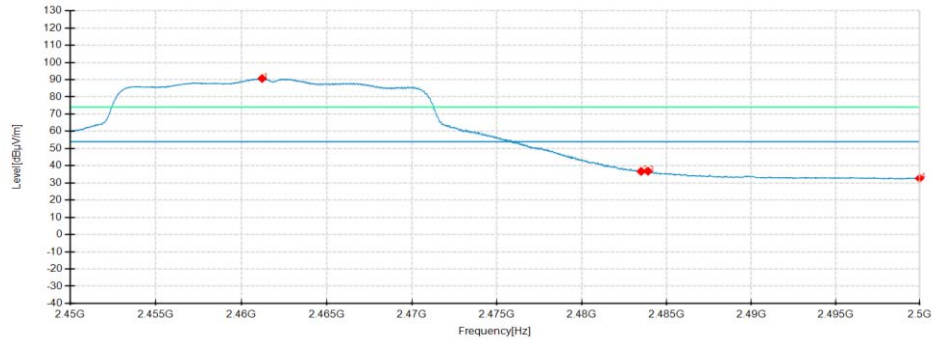
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2463.1938	104.89	100.24	-4.65	74.00	-26.24	100	329	Horizontal	No limit
2	2483.5000	52.56	47.73	-4.83	74.00	26.27	100	302	Horizontal	/
3	2483.6438	56.20	51.36	-4.84	74.00	22.64	100	329	Horizontal	/
4	2500.0000	48.43	43.44	-4.99	74.00	30.56	200	6	Horizontal	/
1	2461.2875	108.47	103.30	-5.17	74.00	-29.30	200	354	Vertical	No limit
2	2483.5000	56.21	51.14	-5.07	74.00	22.86	200	19	Vertical	/
3	2483.6625	58.79	53.72	-5.07	74.00	20.28	200	354	Vertical	/
4	2500.0000	50.31	45.32	-4.99	74.00	28.68	200	354	Vertical	/

802.11n HT20 mode**Highest Channel**

Frequency 2462MHz

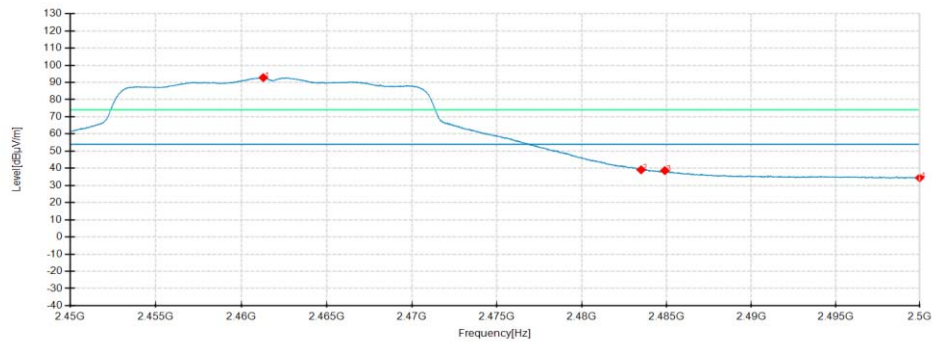
Detector mode: Average

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	2461.2188	95.29	90.66	-4.63	54.00	-36.66	100	324	Horizontal	No limit
2	2483.5000	41.53	36.70	-4.83	54.00	17.30	100	324	Horizontal	/
3	2483.9063	41.62	36.78	-4.84	54.00	17.22	100	324	Horizontal	/
4	2500.0000	37.68	32.69	-4.99	54.00	21.31	100	310	Horizontal	/
1	2461.2875	97.95	92.78	-5.17	54.00	-38.78	200	349	Vertical	No limit
2	2483.5000	44.19	39.12	-5.07	54.00	14.88	200	336	Vertical	/
3	2484.9000	43.71	38.65	-5.06	54.00	15.35	200	349	Vertical	/
4	2500.0000	39.46	34.47	-4.99	54.00	19.53	200	359	Vertical	/

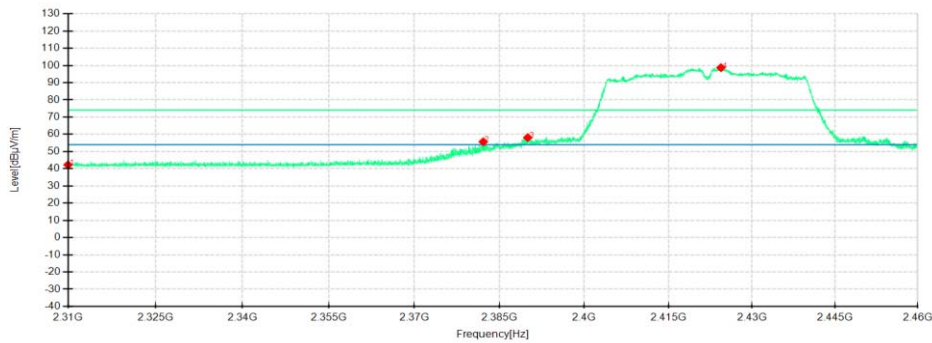
802.11n HT40 mode

Lowest Channel

Frequency 2422MHz

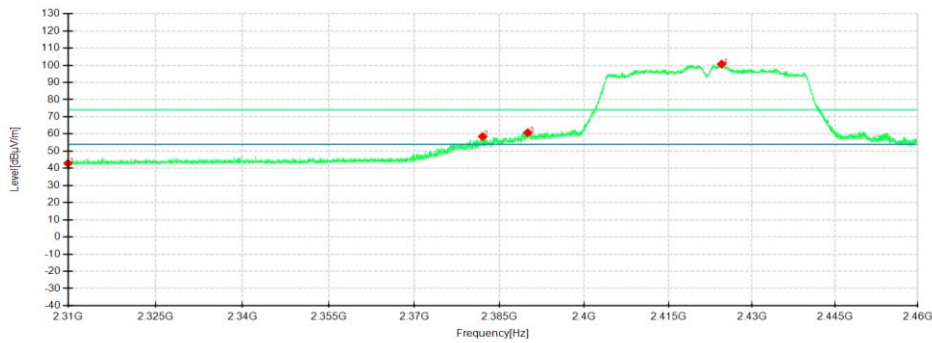
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

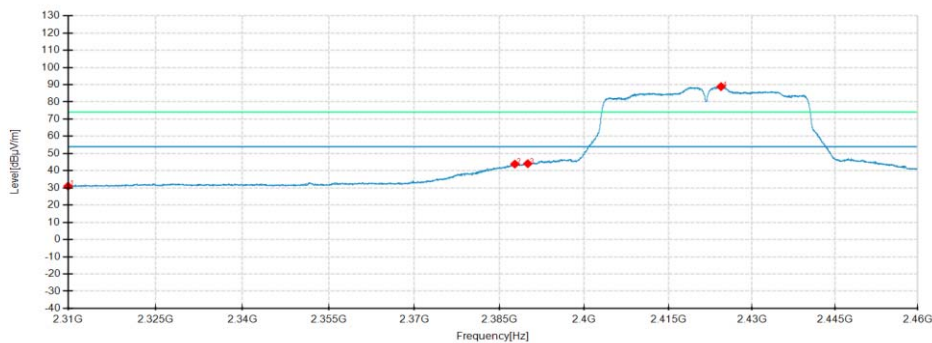
Polarity: Vertical



No.	Frequency MHz	Reading dBuV/m	Level dBuV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	47.72	42.24	-5.48	74.00	31.76	100	311	Horizontal	/
2	2382.1313	61.12	55.64	-5.48	74.00	18.36	100	311	Horizontal	/
3	2390.0000	63.46	58.07	-5.39	74.00	15.93	100	298	Horizontal	/
4	2424.4313	103.61	98.70	-4.91	74.00	-24.70	100	326	Horizontal	No limit
1	2310.0000	48.17	42.85	-5.32	74.00	31.15	100	275	Vertical	/
2	2382.0188	63.93	58.46	-5.47	74.00	15.54	200	323	Vertical	/
3	2390.0000	66.19	60.72	-5.47	74.00	13.28	200	323	Vertical	/
4	2424.5438	105.98	100.63	-5.35	74.00	-26.63	200	323	Vertical	No limit

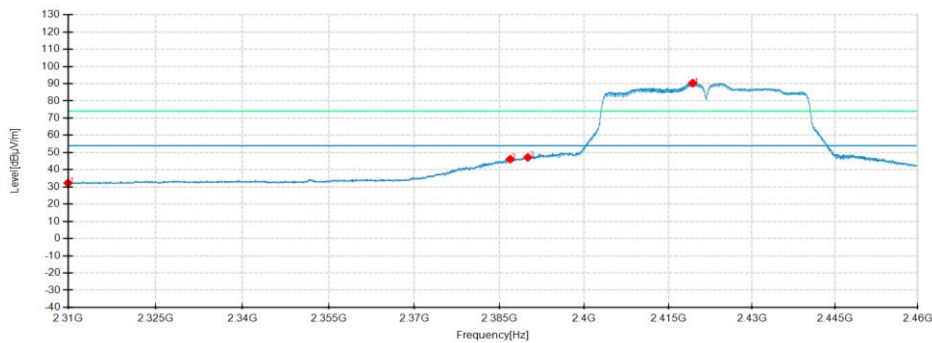
802.11n HT40 mode
Lowest Channel
Frequency 2422MHz
Detector mode: Average

Polarity: Horizontal



Detector mode: Average
Vertical

Polarity:



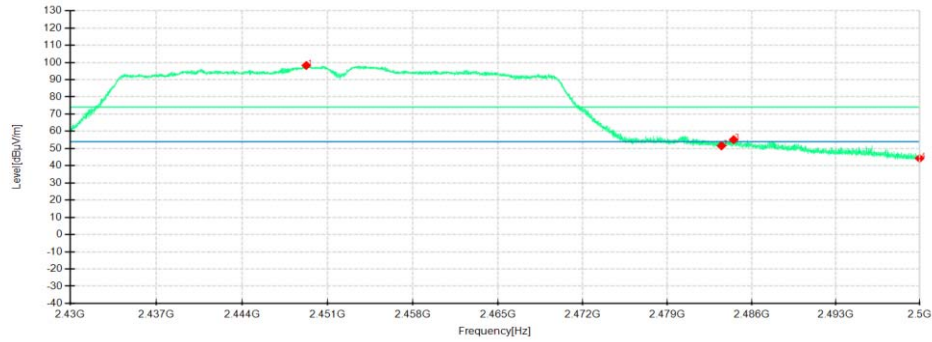
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	36.49	31.01	-5.48	54.00	22.99	100	312	Horizontal	/
2	2387.7188	49.27	43.85	-5.42	54.00	10.15	100	312	Horizontal	/
3	2390.0000	49.50	44.11	-5.39	54.00	9.89	100	312	Horizontal	/
4	2424.4500	93.76	88.85	-4.91	54.00	-34.85	100	312	Horizontal	No limit
1	2310.0000	37.59	32.27	-5.32	54.00	21.73	200	323	Vertical	/
2	2386.8938	51.59	46.12	-5.47	54.00	7.88	200	310	Vertical	/
3	2390.0000	52.62	47.15	-5.47	54.00	6.85	200	310	Vertical	/
4	2419.3500	95.74	90.36	-5.38	54.00	-36.36	200	310	Vertical	No limit

802.11n HT40 mode**Highest Channel**

Frequency 2452MHz

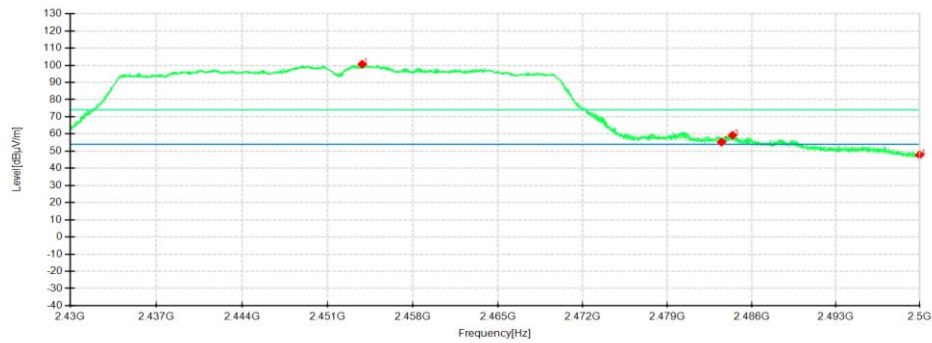
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



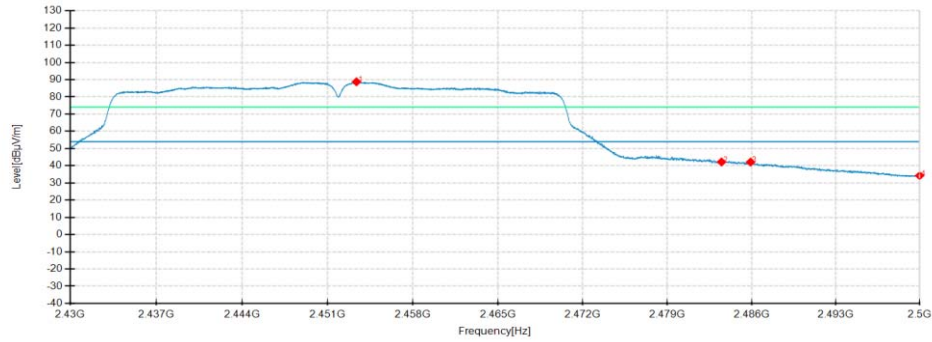
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2449.2675	102.80	98.26	-4.54	74.00	-24.26	100	317	Horizontal	No limit
2	2483.5000	56.38	51.54	-4.84	74.00	22.46	100	291	Horizontal	/
3	2484.5038	59.96	55.11	-4.85	74.00	18.89	100	317	Horizontal	/
4	2500.0000	49.21	44.22	-4.99	74.00	29.78	100	317	Horizontal	/
1	2453.8525	105.81	100.60	-5.21	74.00	-26.60	200	360	Vertical	No limit
2	2483.5000	60.31	55.24	-5.07	74.00	18.76	100	339	Vertical	/
3	2484.4163	64.28	59.22	-5.06	74.00	14.78	200	317	Vertical	/
4	2500.0000	52.76	47.77	-4.99	74.00	26.23	200	342	Vertical	/

802.11n HT40 mode**Highest Channel**

Frequency 2452MHz

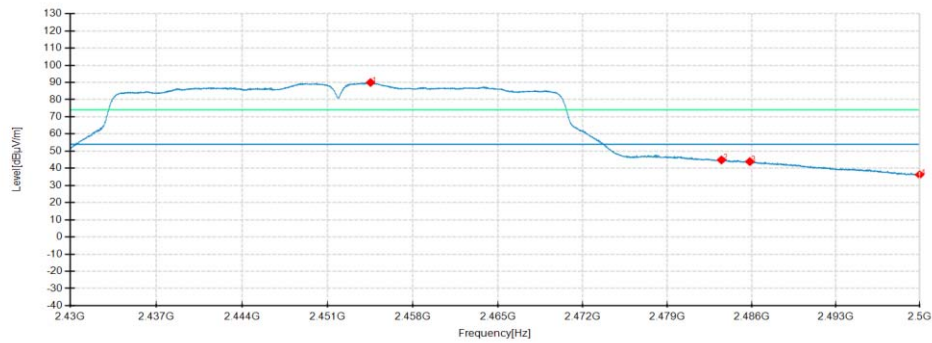
Detector mode: Average

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	2453.3800	93.32	88.76	-4.56	54.00	-34.76	100	310	Horizontal	No limit
2	2483.5000	47.03	42.19	-4.84	54.00	11.81	100	322	Horizontal	/
3	2485.9125	46.97	42.11	-4.86	54.00	11.89	100	322	Horizontal	/
4	2500.0000	39.22	34.23	-4.99	54.00	19.77	100	322	Horizontal	/
1	2454.5350	95.17	89.96	-5.21	54.00	-35.96	200	347	Vertical	No limit
2	2483.5000	49.92	44.85	-5.07	54.00	9.15	200	311	Vertical	/
3	2485.8513	48.98	43.92	-5.06	54.00	10.08	200	311	Vertical	/
4	2500.0000	41.23	36.24	-4.99	54.00	17.76	200	347	Vertical	/

Remark: Max field strength in 3m distance. No any other emission which falls in restricted bands can be detected and be reported.

APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM

Please refer to the attached document E202409184352-test setup photo.

APPENDIX B. PHOTOGRAPH OF THE EUT

Please refer to the attached document E202409184352-EUT photo.

———— **End of Report** ————