

8. MAXIMUM PEAK OUTPUT POWER

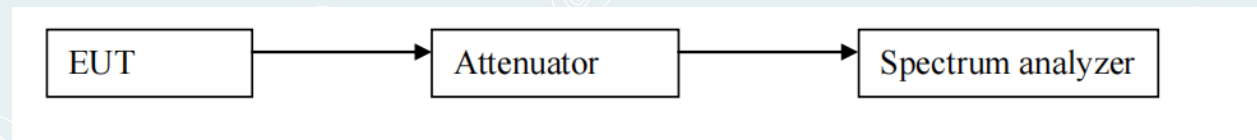
8.1. LIMITS

The maximum Peak output power measurement is 1W

8.2. TEST PROCEDURES

- 1) Place the EUT on a bench and set it in transmitting mode.
- 2) Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to an EMI Test Receiver.
- 3) The spectrum analyzer resolution bandwidth that is $\leq \text{EBW}$. So we test the Maximum Conducted Output Power — Integrated band power method.
- 4) Set the analyzer span $\geq 1.5 \times$ DTS bandwidth. Set the RBW = 1 MHz. Set the VBW ≥ 3 MHz. Sweep time = auto couple. Detector = peak. Allow trace to fully stabilize.

8.3. TEST SETUP



8.4. TEST RESULT**802.11b Mode:**

Channel No.	Frequency (MHz)	Measured Channel Power with Duty Factor (dBm)	Peak / AVG	Limit	Result
1	2412	18.57	Peak	30dBm	Pass
6	2437	18.79			Pass
11	2462	18.96			Pass

802.11g Mode:

Channel No.	Frequency (MHz)	Measured Channel Power with Duty Factor (dBm)	Peak / AVG	Limit	Result
1	2412	24.62	Peak	30dBm	Pass
6	2437	24.61			Pass
11	2462	24.58			Pass

802.11n HT20 Mode :

Channel No.	Frequency (MHz)	Measured Channel Power with Duty Factor (dBm)	Peak/ AVG	Limit	Result
1	2412	24.28	Peak	30dBm	Pass
6	2437	24.39			Pass
11	2462	24.18			Pass

802.11n HT40 Mode :

Channel No.	Frequency (MHz)	Measured Channel Power with Duty Factor (dBm)	Peak/ AVG	Limit	Result
3	2422	23.14	Peak	30dBm	Pass
6	2437	23.28			Pass
9	2452	23.06			Pass

9. POWER SPECTRAL DENSITY

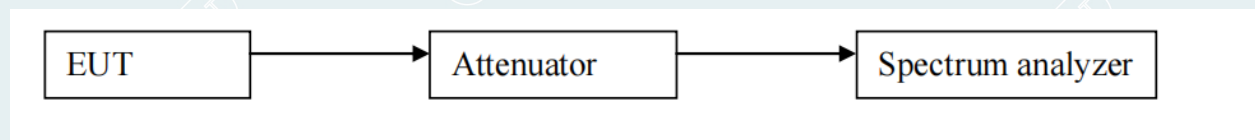
9.1. LIMITS

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

9.2. TEST PROCEDURES

- 1) Remove the antenna from the EUT, and then connect a low loss RF cable from antenna port to the spectrum analyzer.
- 2) Position the EUT was set without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- 3) Set the analyzer span to 1.5 times the DTS bandwidth. Set the RBW = 3 kHz. Set the VBW ≥ 3 RBW. Detector = peak. Ensure that the number of measurement points in the sweep $\geq 2 \times$ span/RBW (use of a greater number of measurement points than this minimum requirement is recommended).
- 4) Repeat above procedures until all frequencies measured were complete.

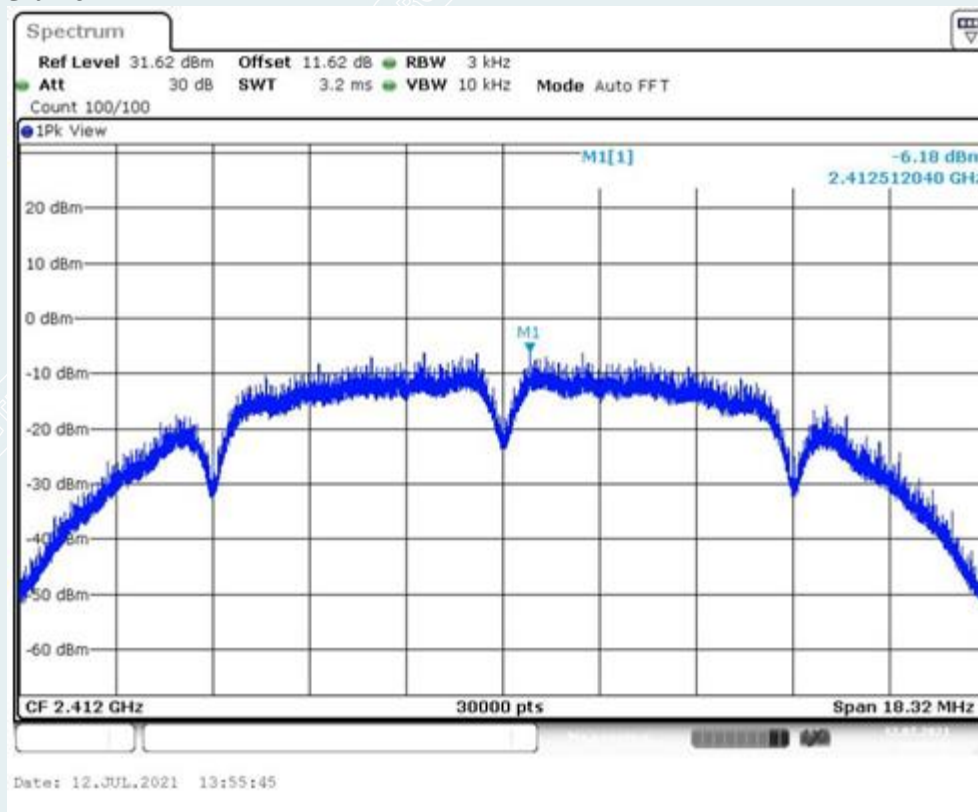
9.3. TEST SETUP



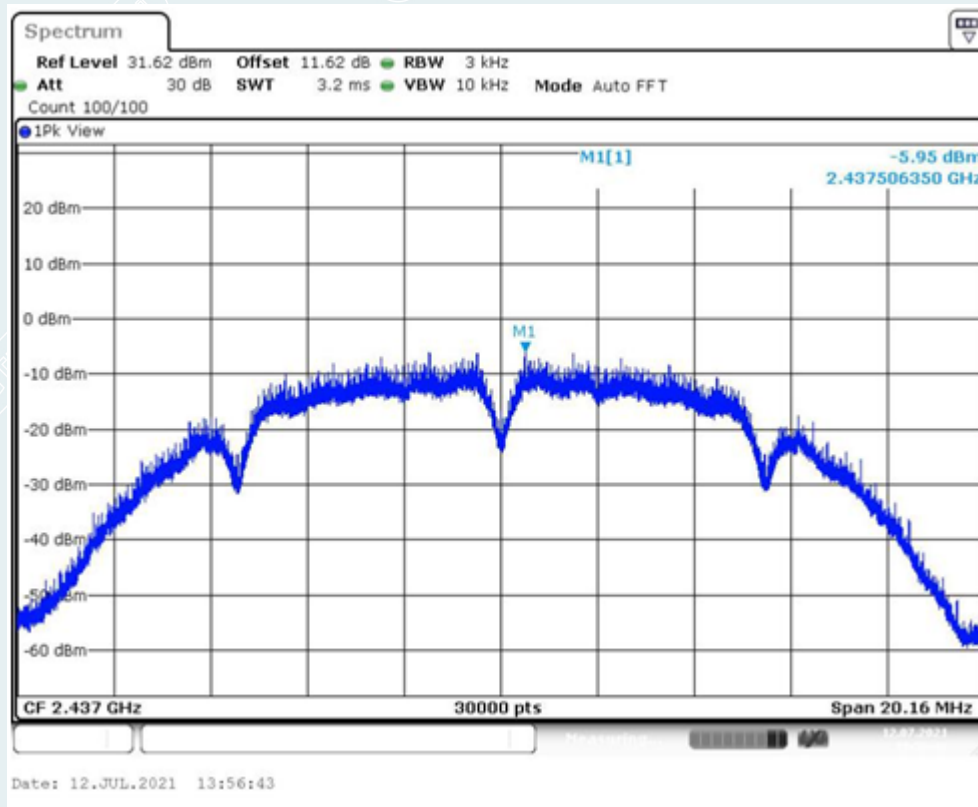
9.4. TEST RESULTS

Test Mode	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
802.11b	2412	-6.18	≤ 8	PASS
	2437	-5.95	≤ 8	PASS
	2462	-6.40	≤ 8	PASS
802.11g	2412	-12.42	≤ 8	PASS
	2437	-12.49	≤ 8	PASS
	2462	-12.76	≤ 8	PASS
802.11n HT20	2412	-11.10	≤ 8	PASS
	2437	-11.17	≤ 8	PASS
	2462	-10.64	≤ 8	PASS
802.11n HT40	2422	-14.99	≤ 8	PASS
	2437	-15.23	≤ 8	PASS
	2452	-16.06	≤ 8	PASS

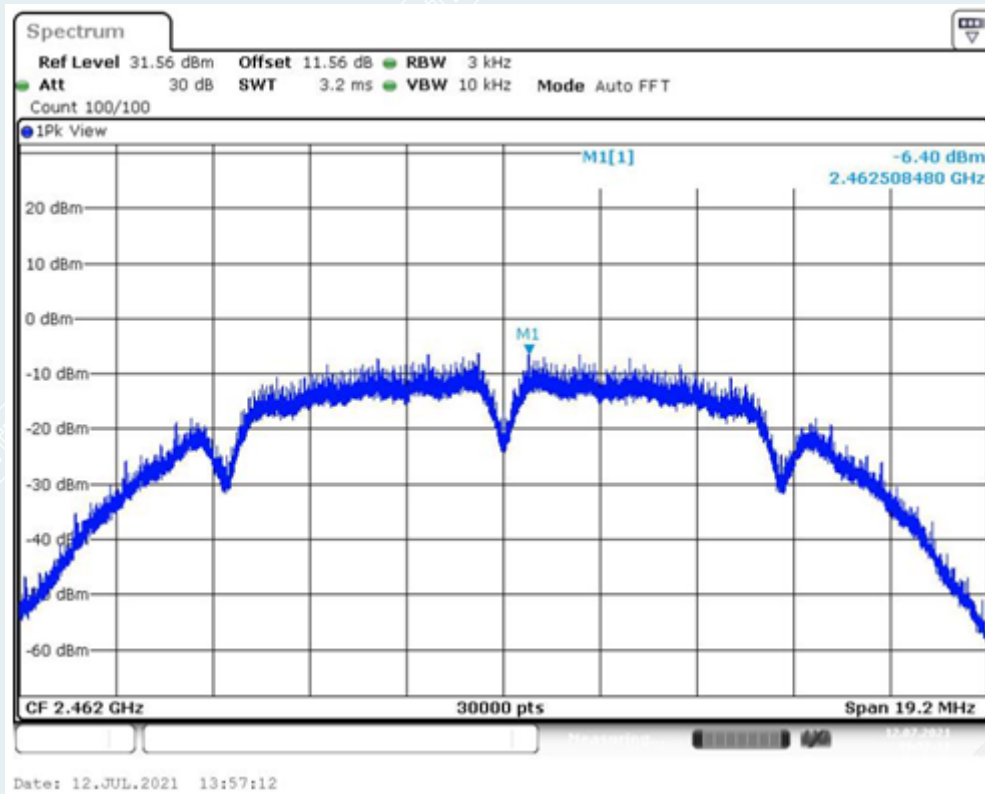
802.11b mode:
Channel 2412MHz



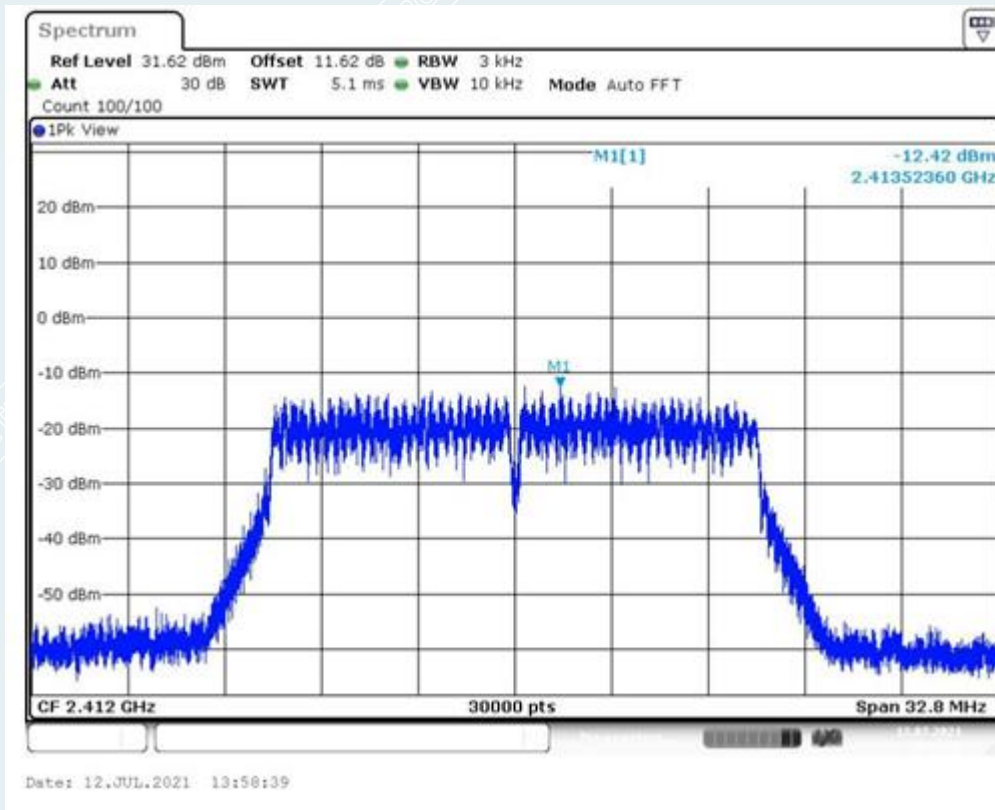
802.11b mode:
Channel 2437MHz



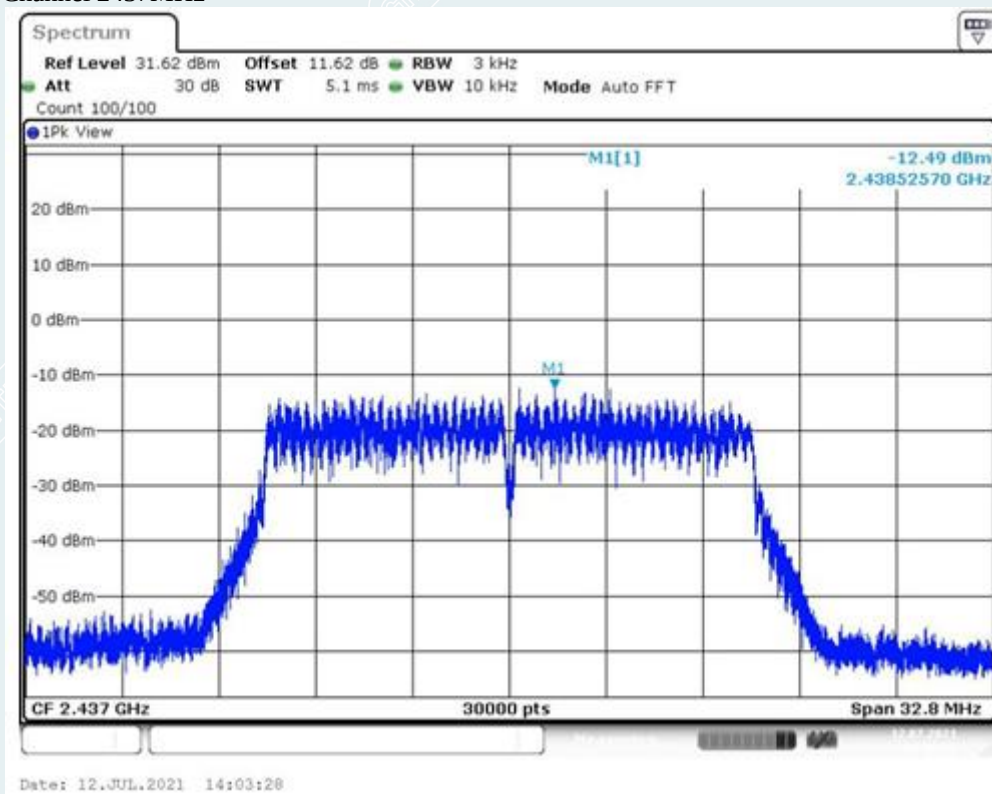
802.11b mode:
Channel 2462MHz



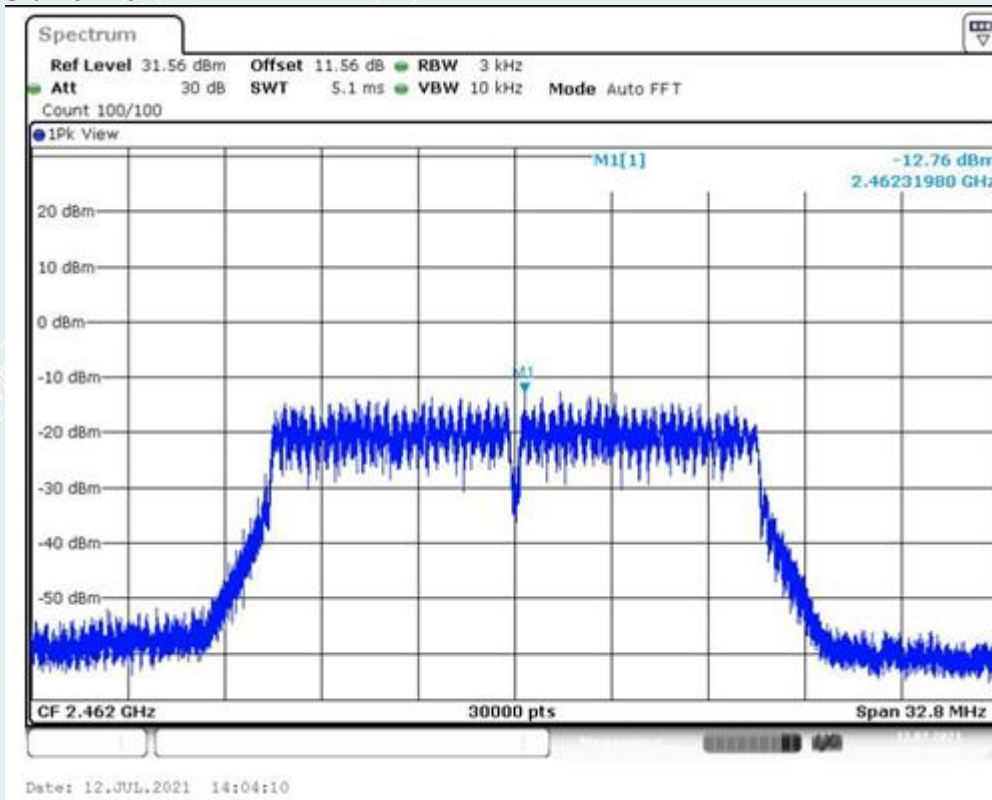
802.11g mode:
Channel 2412MHz



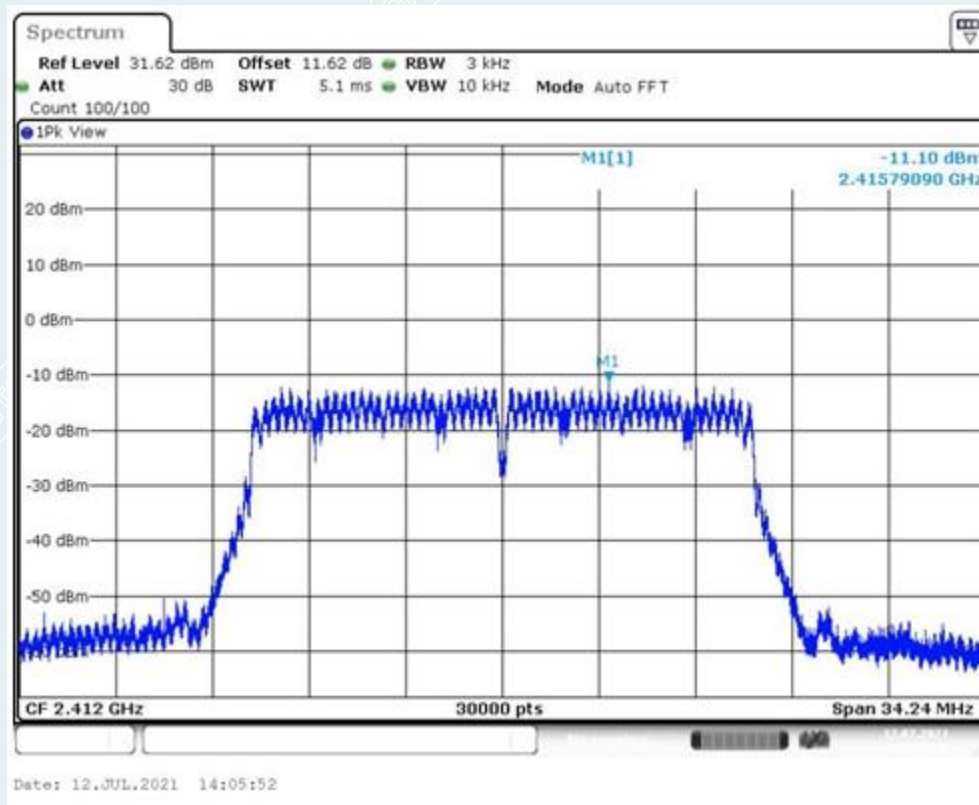
802.11g mode:
Channel 2437MHz



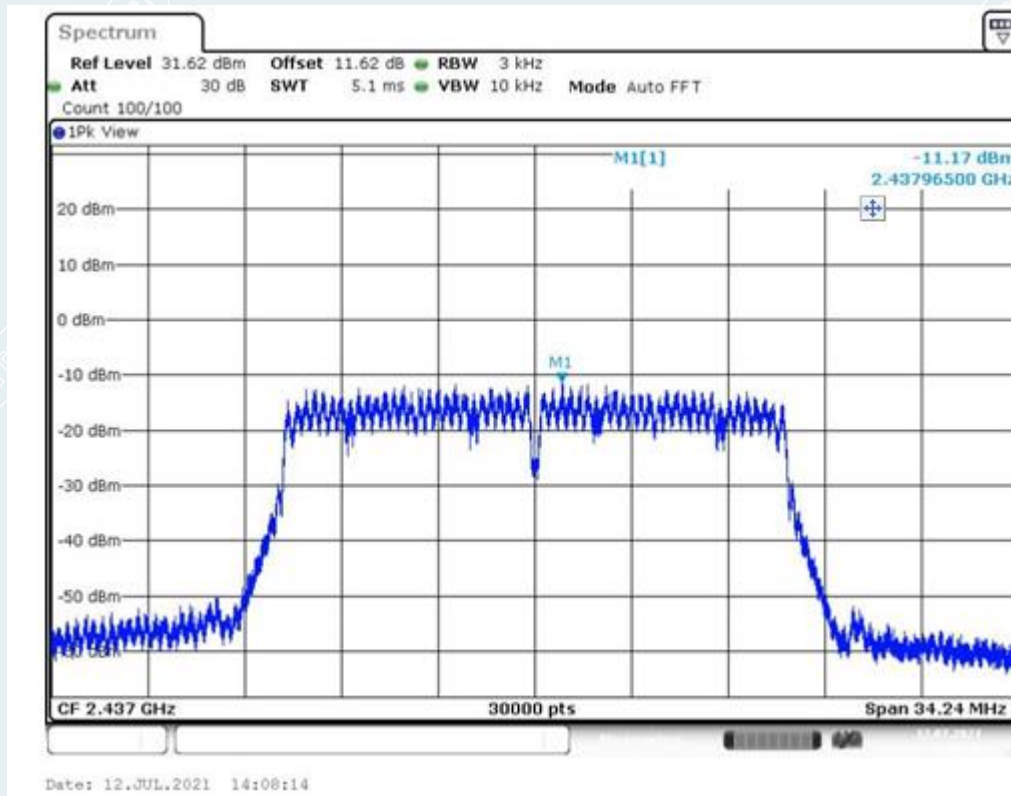
802.11g mode:
Channel 2462MHz



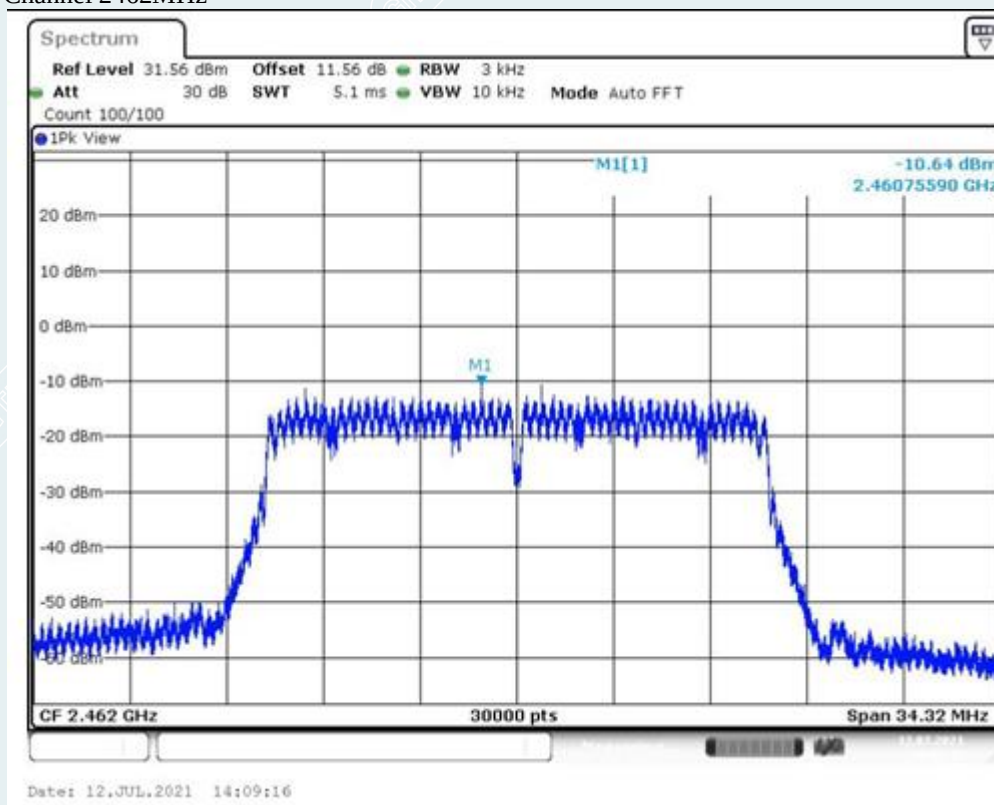
802.11n HT20 mode:
Channel 2412MHz



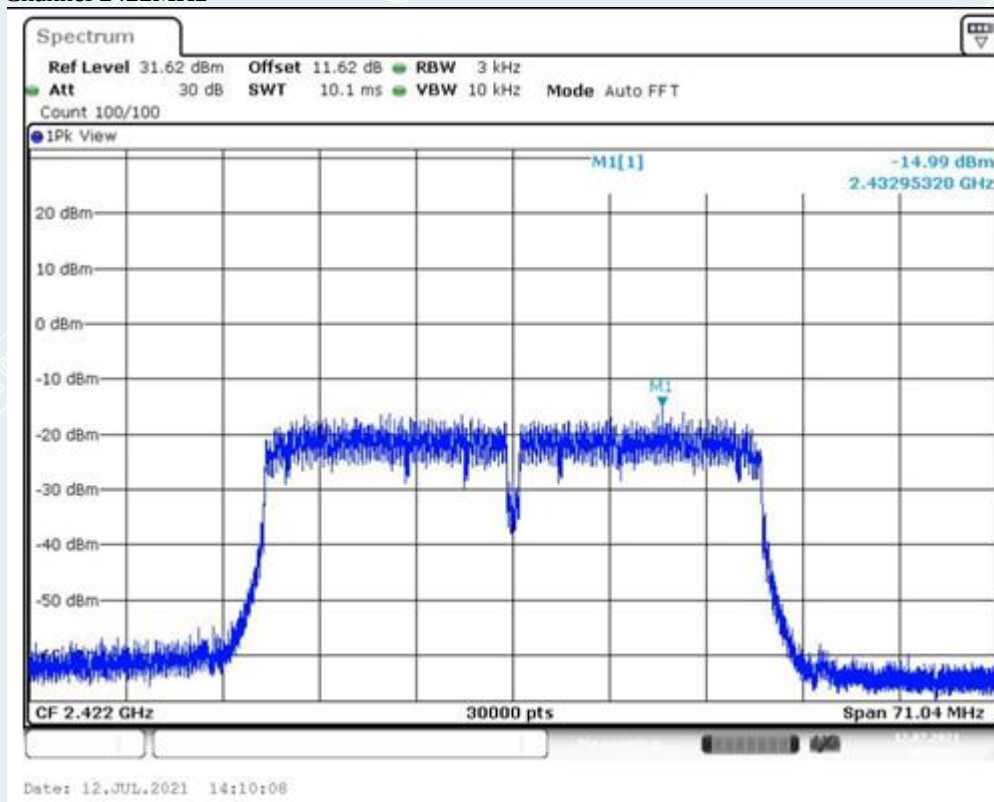
802.11n HT20 mode:
Channel 2437MHz



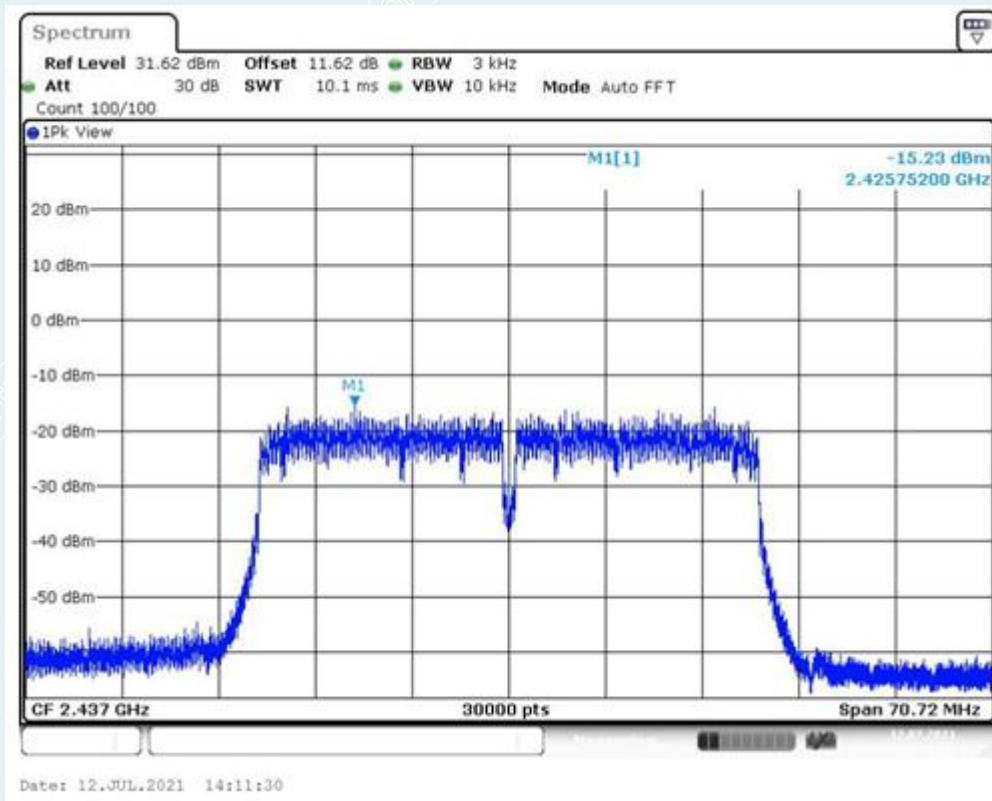
802.11n HT20 mode:
Channel 2462MHz



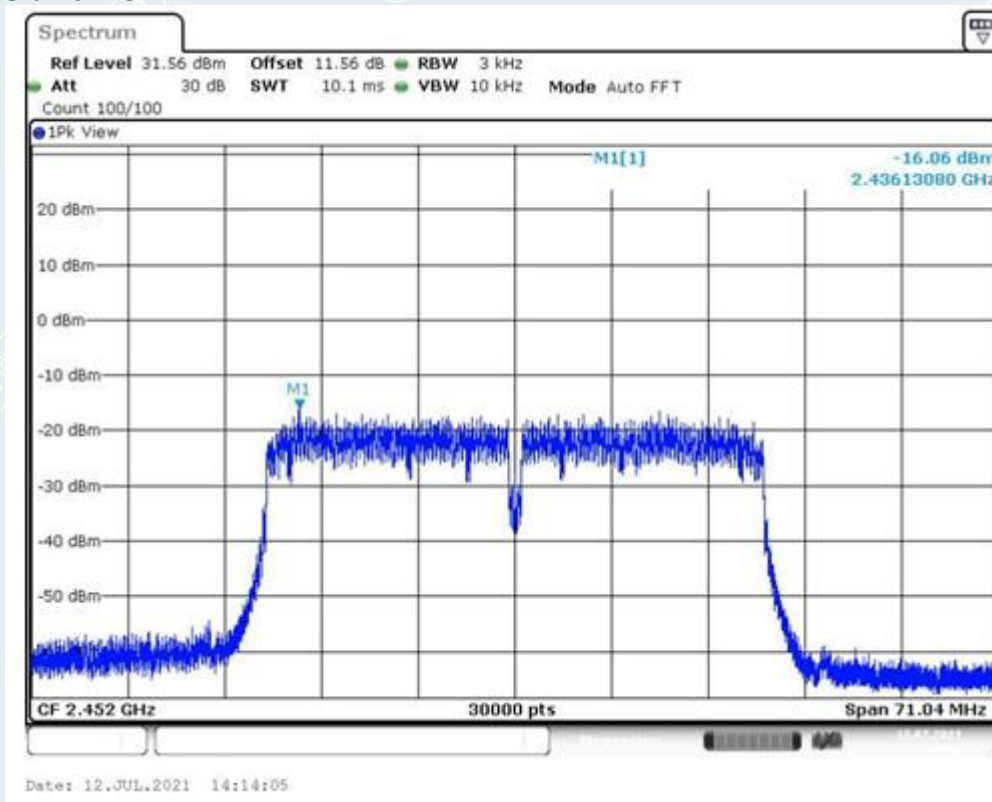
802.11n HT40 mode:
Channel 2422MHz



802.11n HT40 mode:
Channel 2437MHz



802.11n HT40 mode:
Channel 2452MHz



10. CONDUCTED BAND EDGES AND SPURIOUS EMISSIONS

10.1. LIMITS

(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

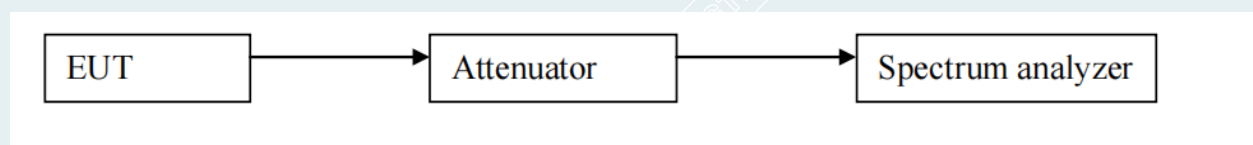
10.2. TEST PROCEDURES

Test procedures follow KDB 558074 D01 DTS Measurement Guidance v03r01.

Remove the antenna from the EUT and then connect a low attenuation cable from the antenna port to the spectrum.

- 1) Remove the antenna from the EUT and then connect a low attenuation cable from the antenna port to the spectrum.
- 2) Set the spectrum analyzer: RBW = 100KHz; VBW = 300KHz, Span = 30MHz to 25GHz; Sweep = auto; Detector Function = Peak. Trace = Max, hold.
- 3) Measure and record the results in the test report.
- 4) The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

10.3. TEST SETUP

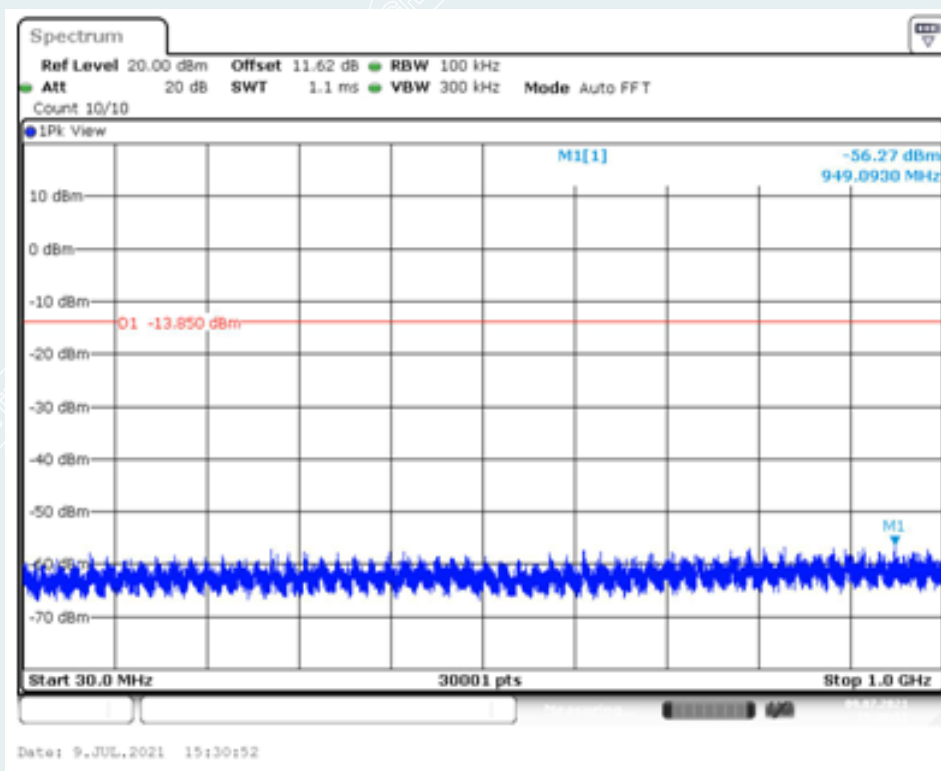
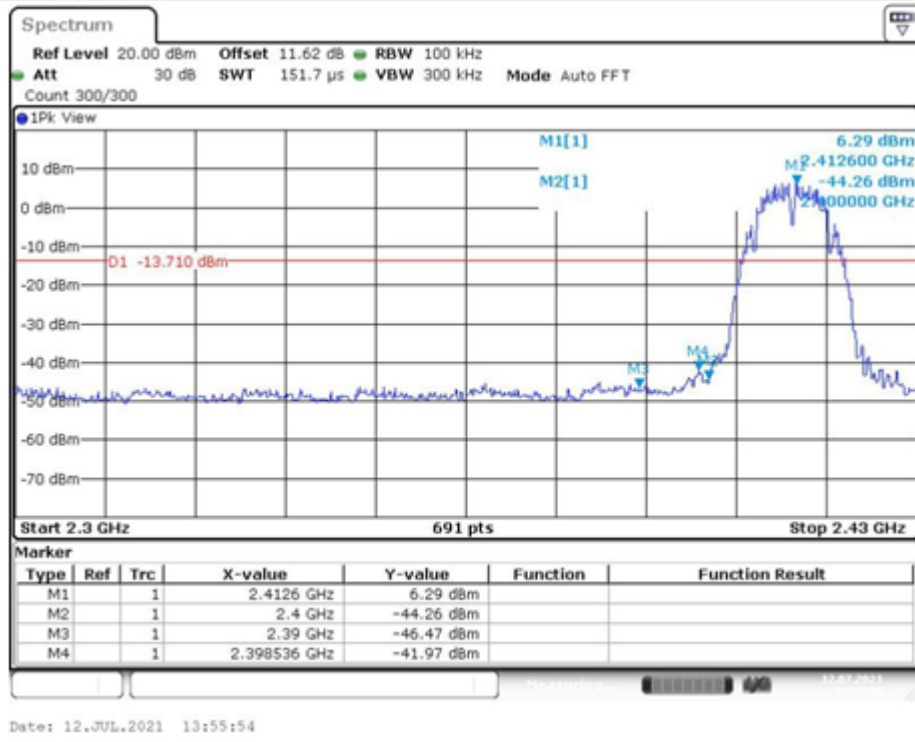


10.4. TEST RESULTS

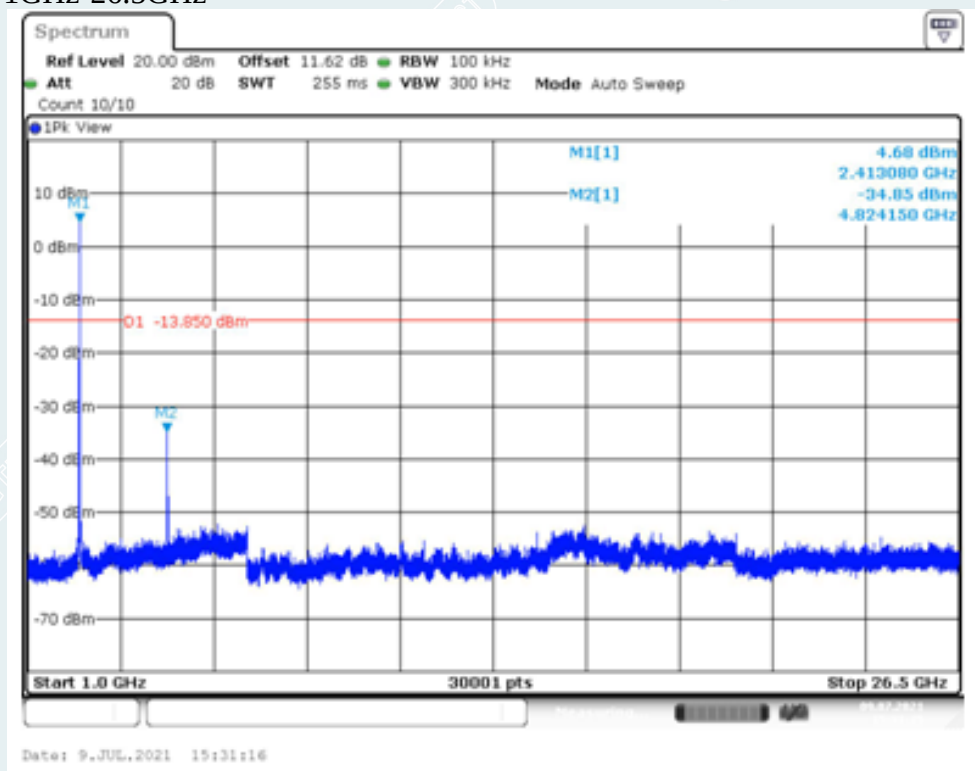
802.11b mode:

Channel 2412MHz

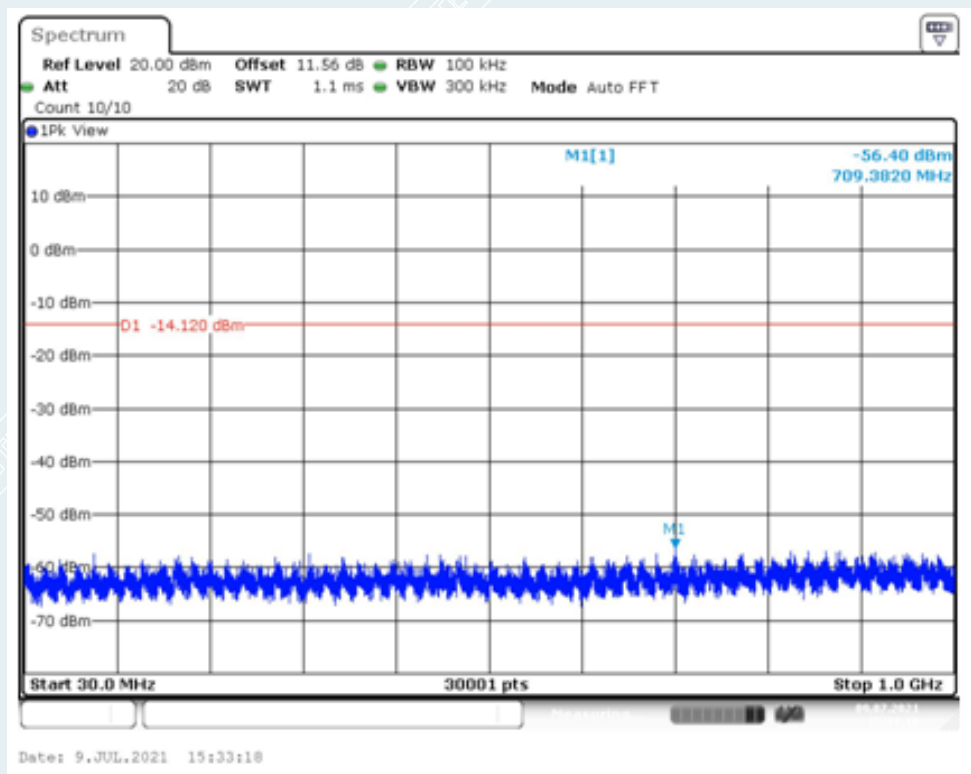
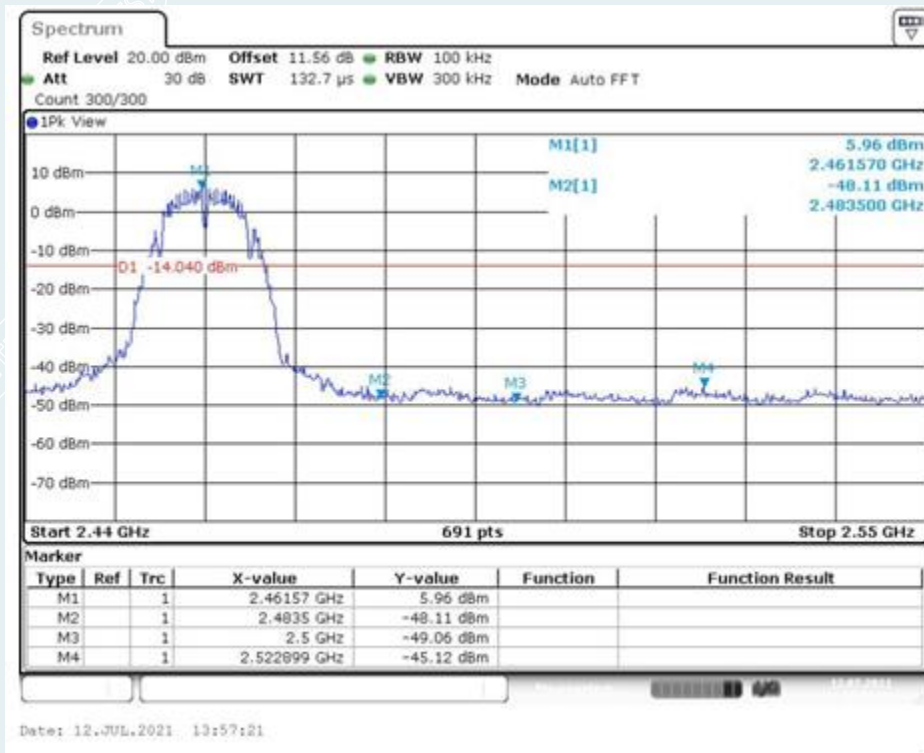
0.03GHz-1GHz



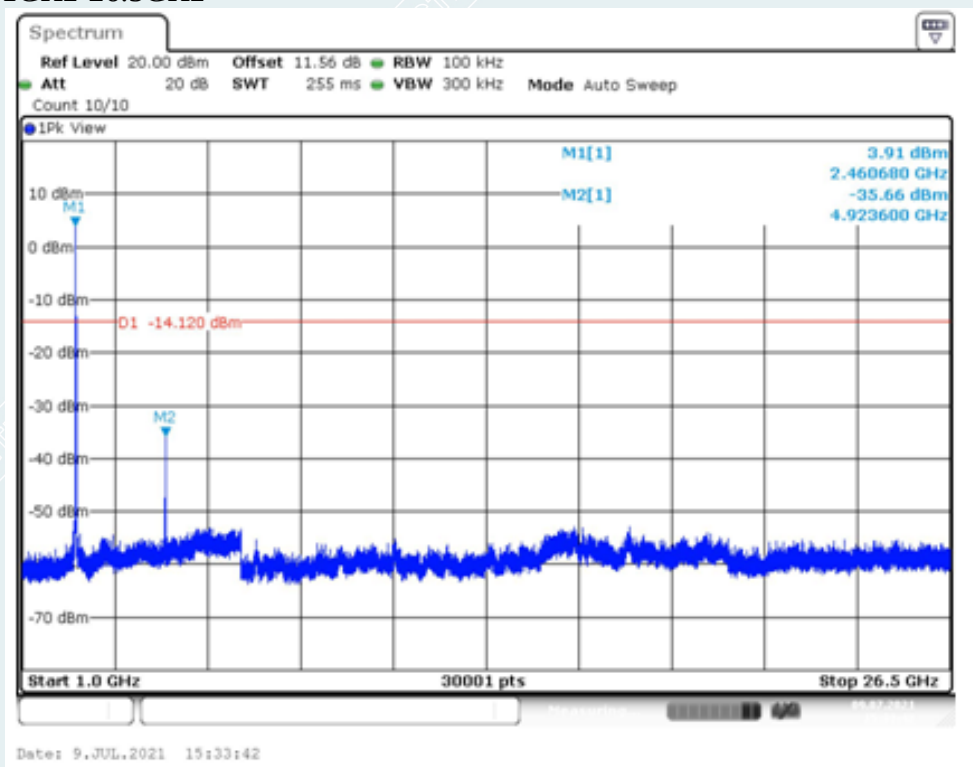
1GHz-26.5GHz



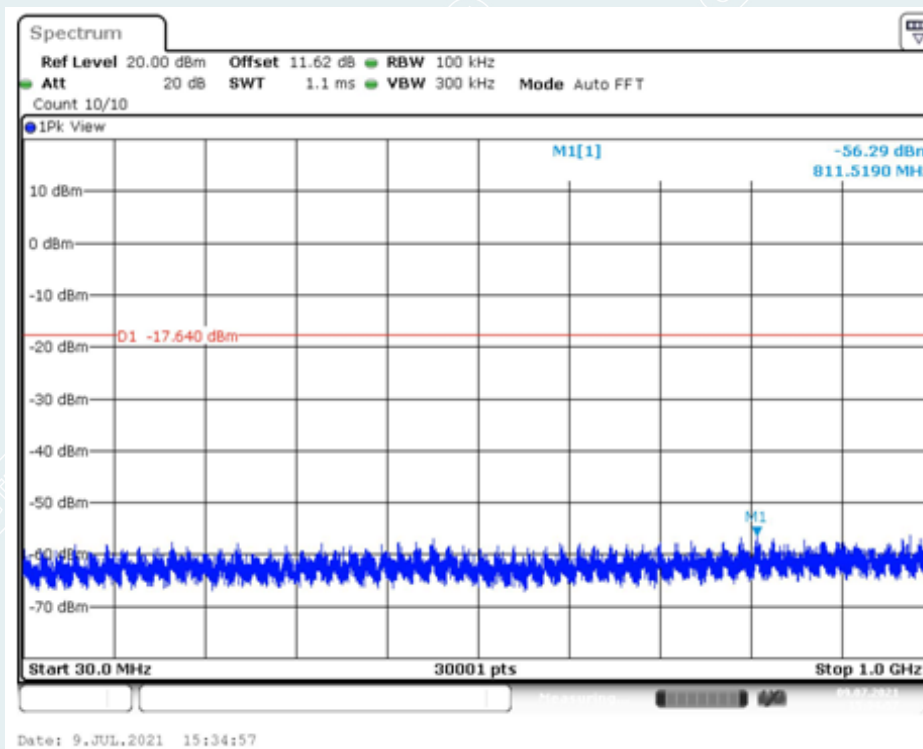
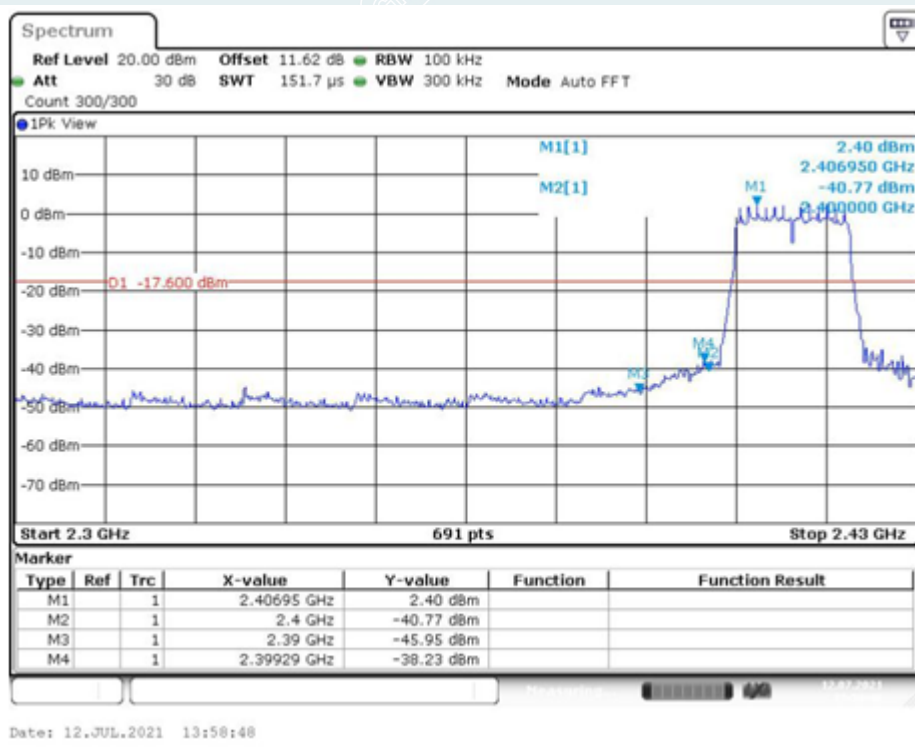
802.11b mode:
Channel 2462MHz
0.03GHz-1GHz



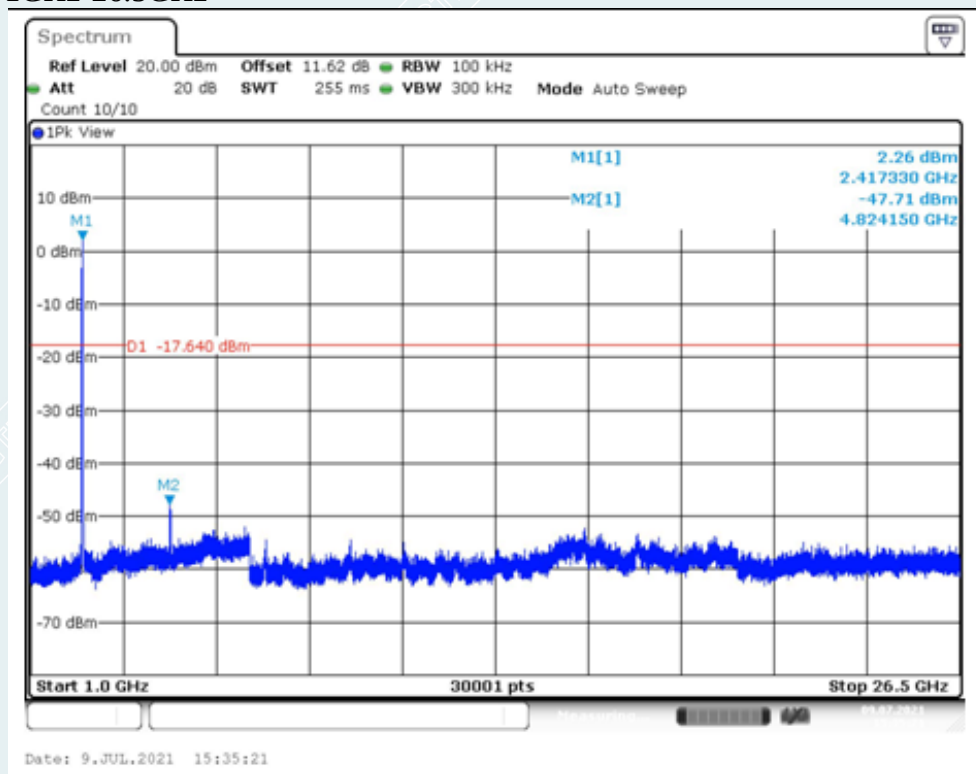
1GHz-26.5GHz



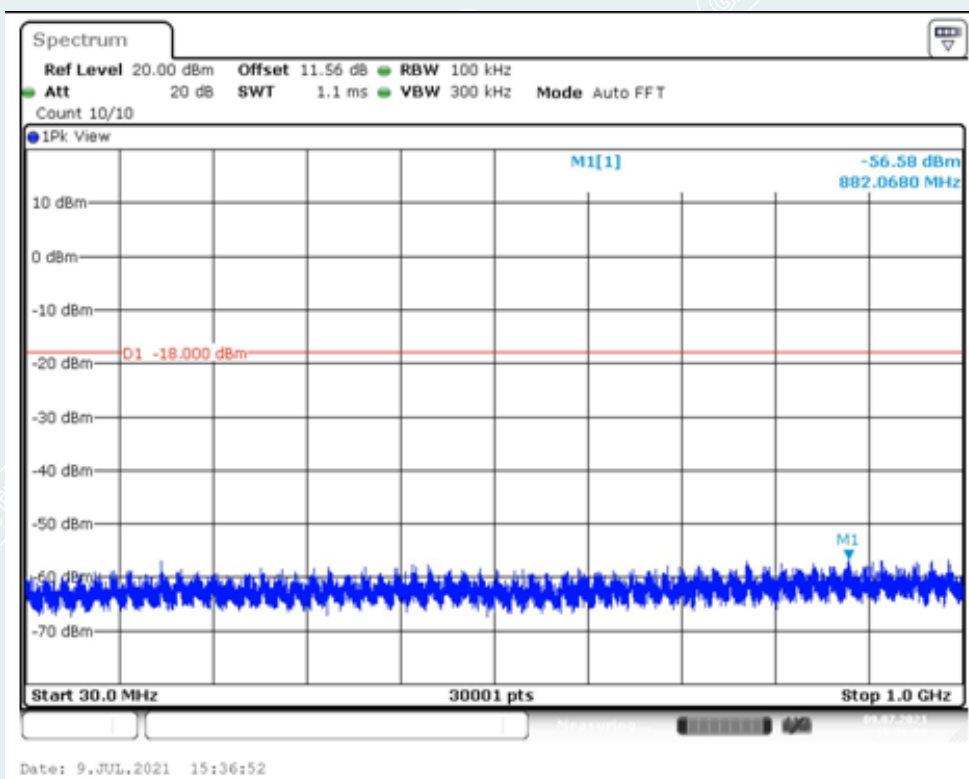
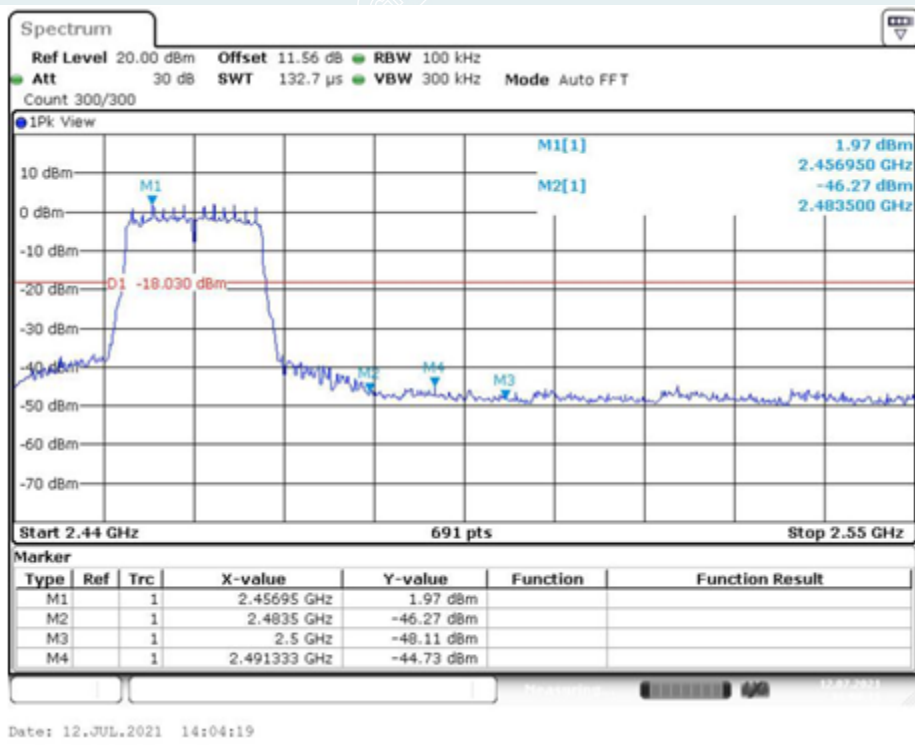
802.11g mode:
Channel 2412MHz
0.03GHz-1GHz



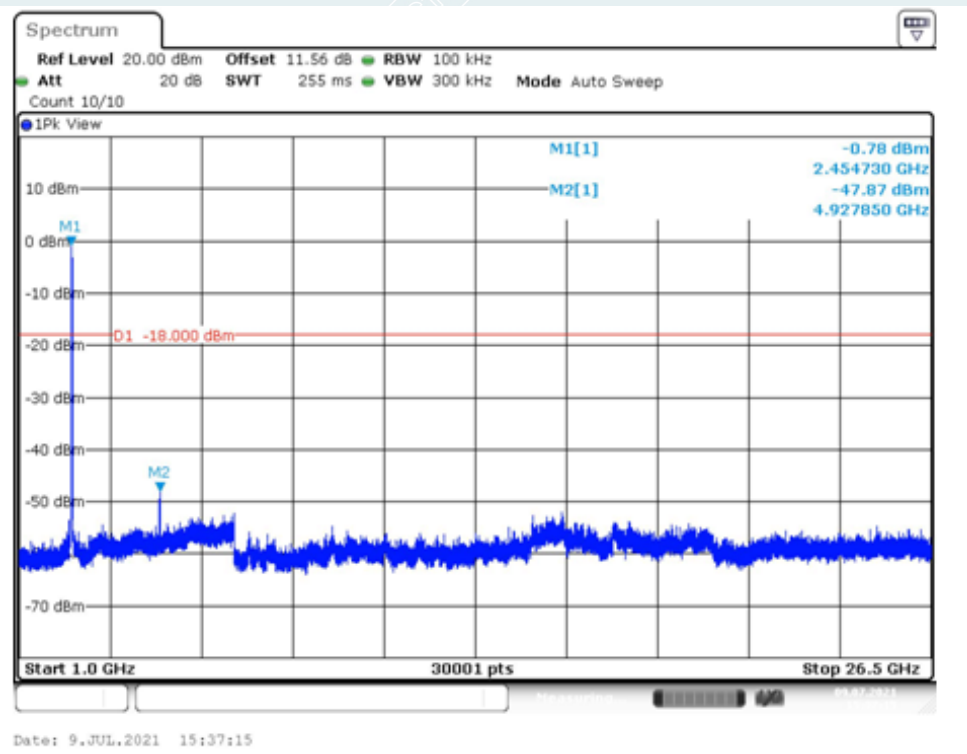
1GHz-26.5GHz



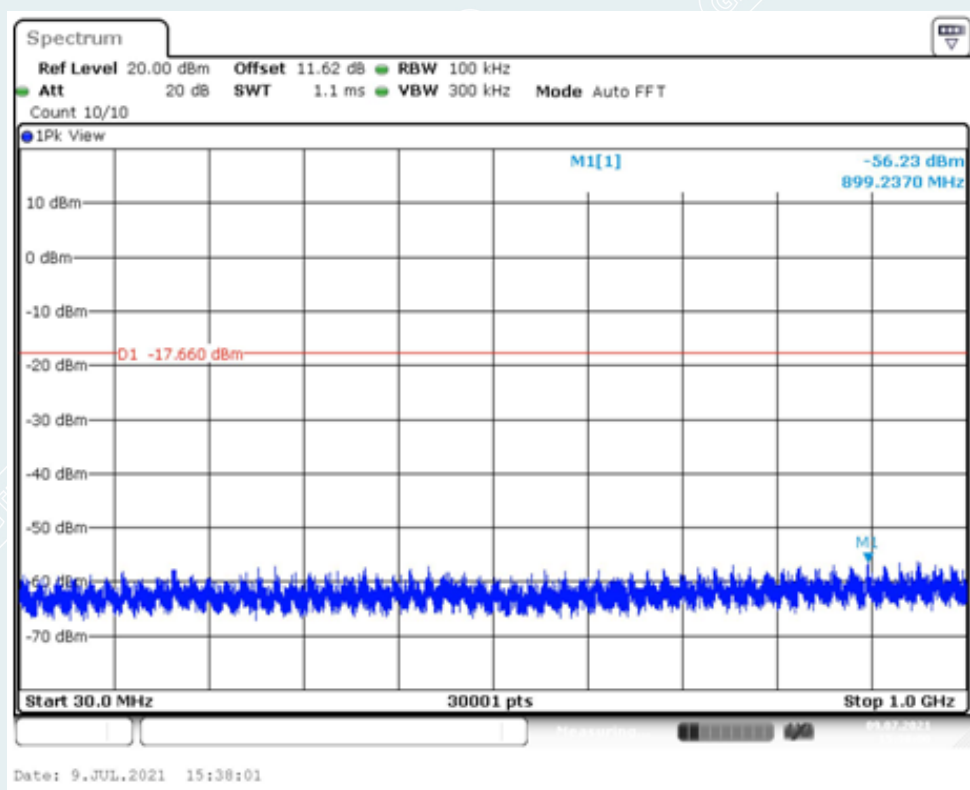
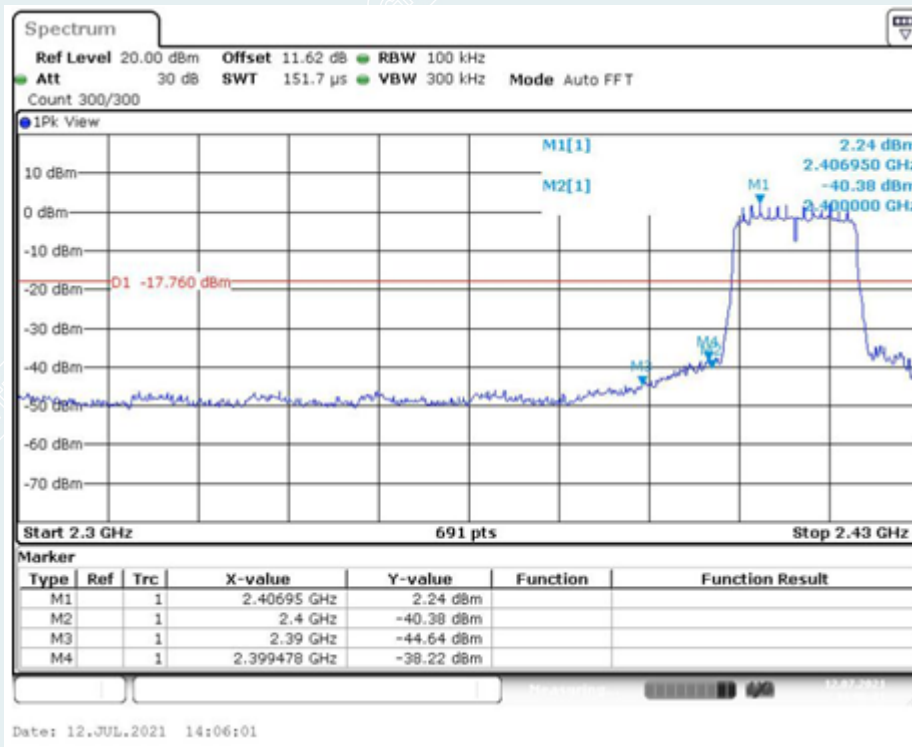
802.11g mode:
Channel 2462MHz
0.03GHz-1GHz



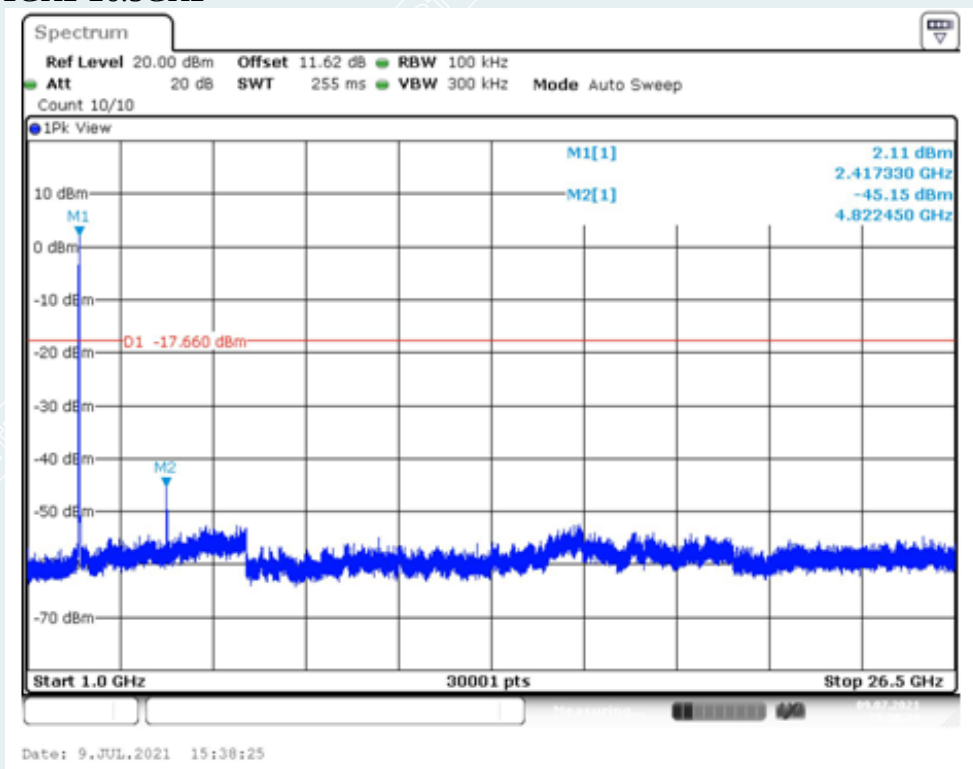
1GHz-26.5GHz



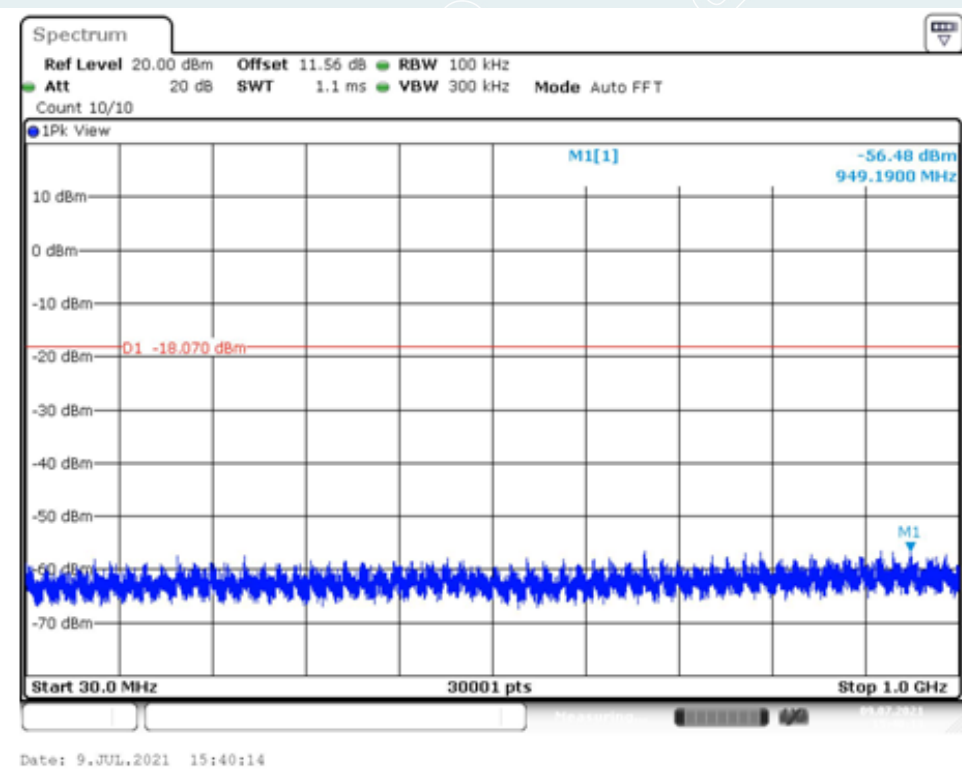
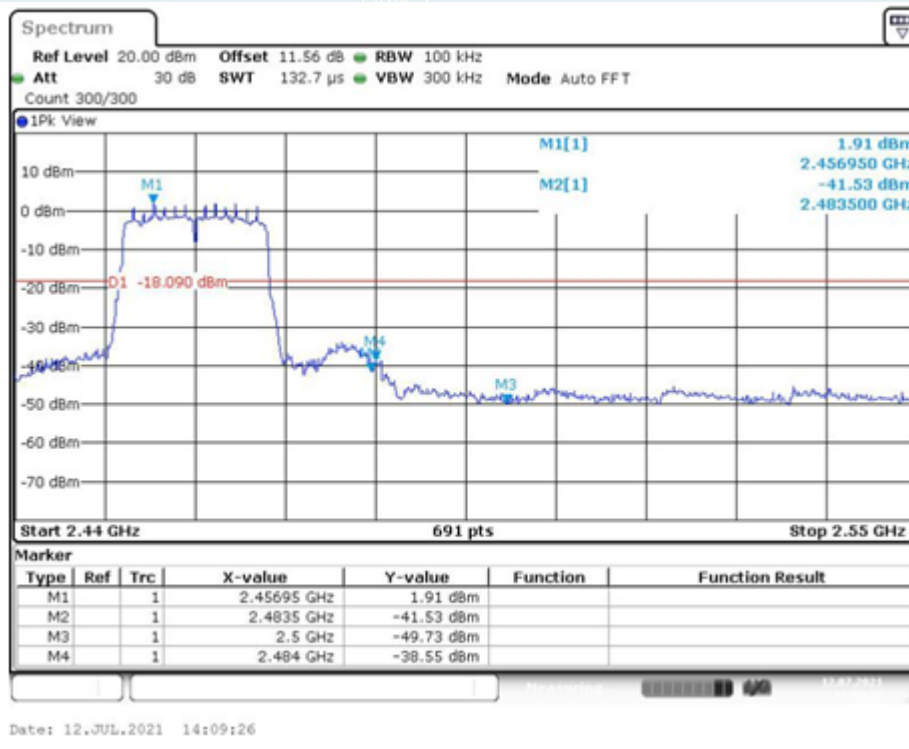
802.11n HT20 mode:
Channel 2412MHz
0.03GHz-1GHz



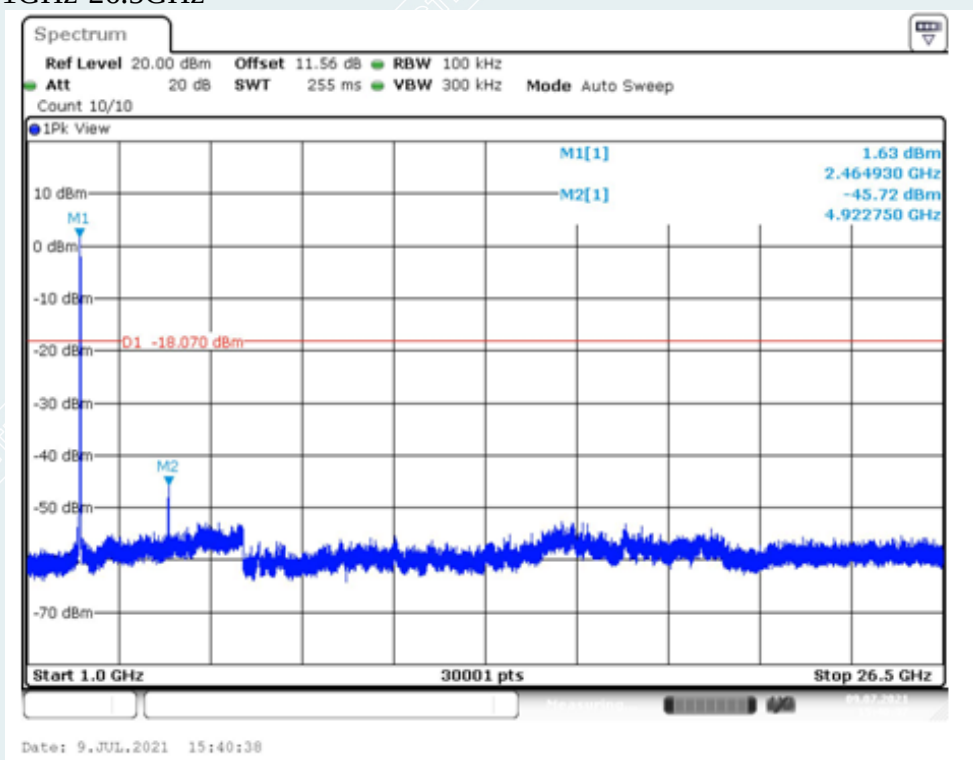
1GHz-26.5GHz



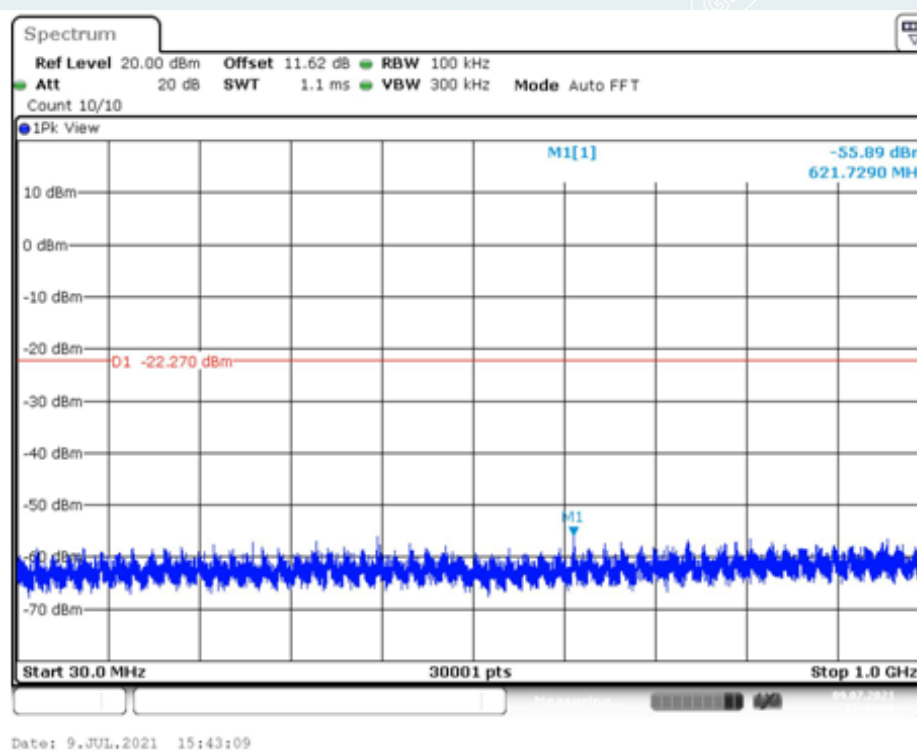
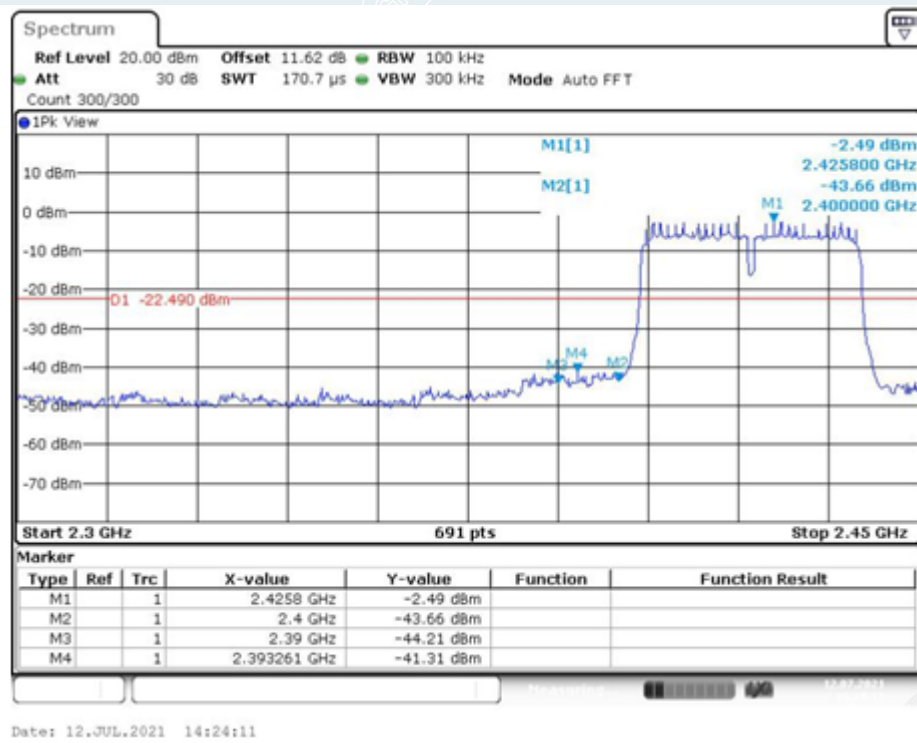
802.11n HT20 mode:
Channel 2462MHz
0.03GHz-1GHz



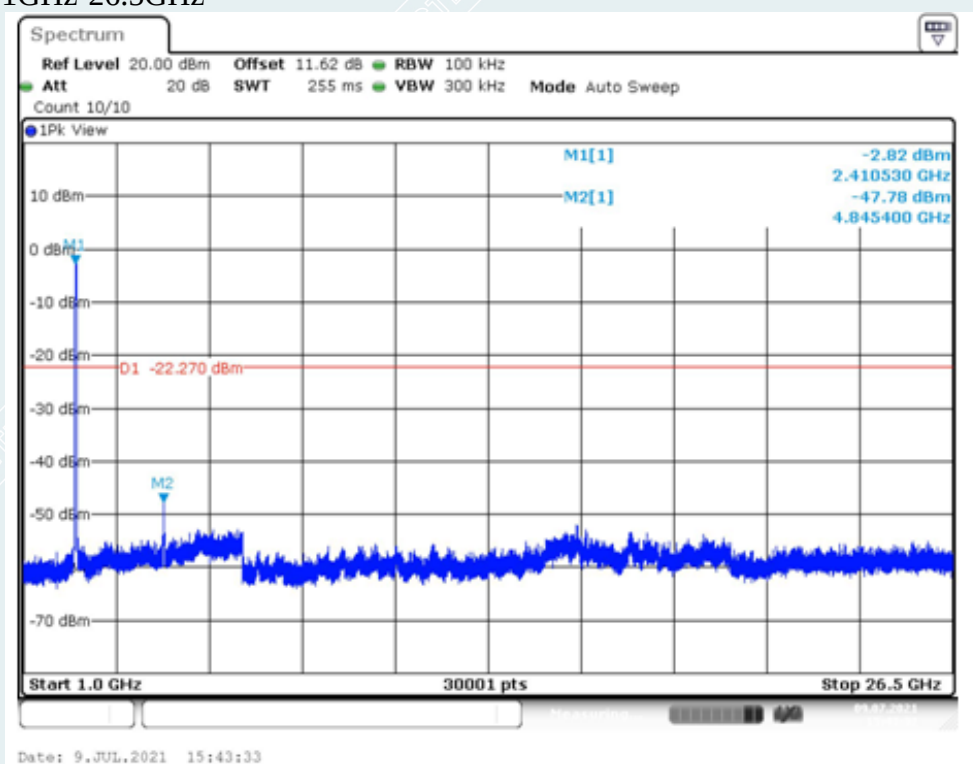
1GHz-26.5GHz



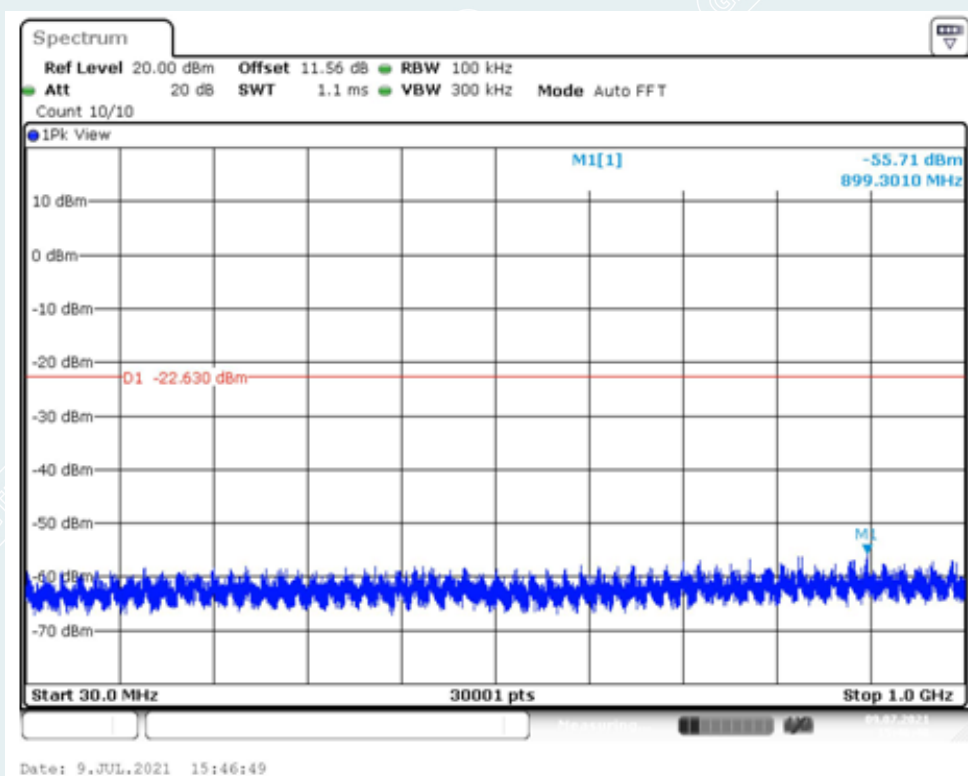
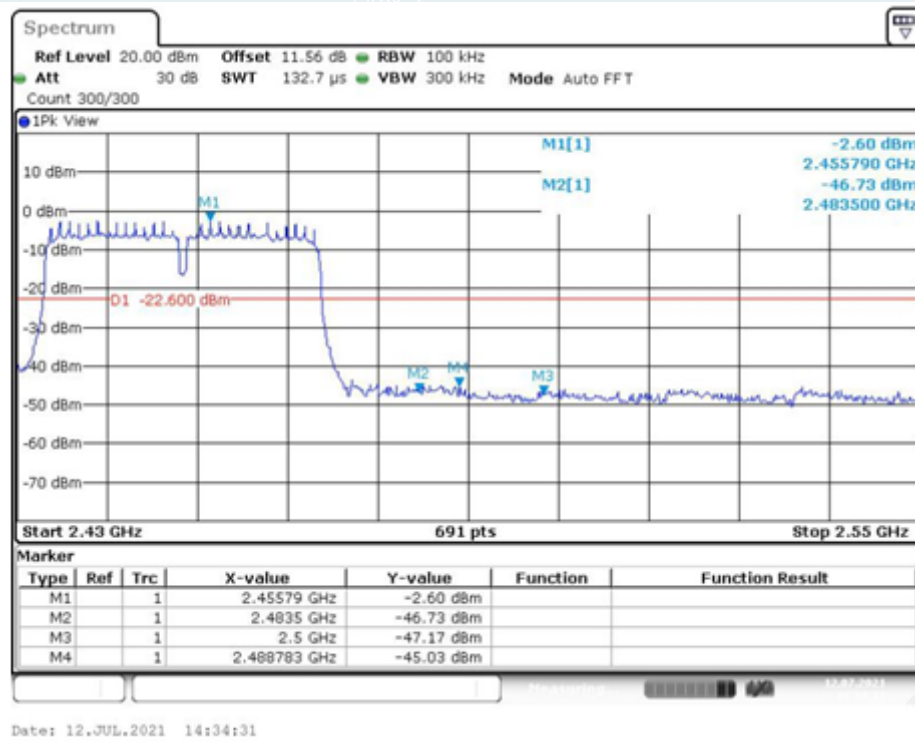
802.11n HT40 mode
Channel 2422MHz
0.03GHz-1GHz



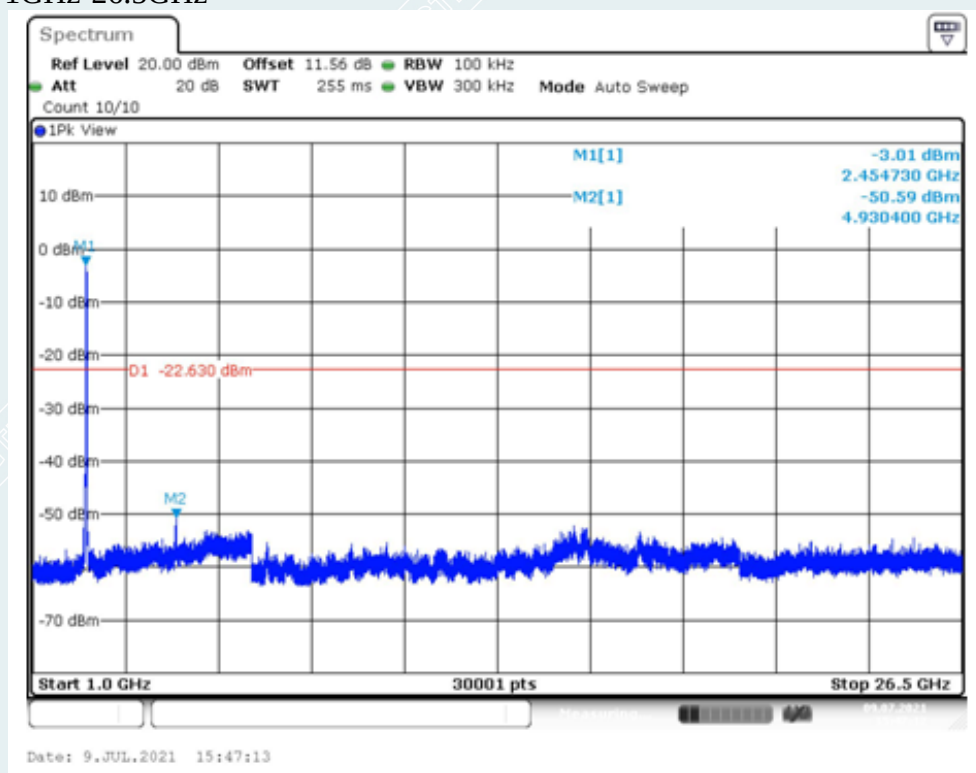
1GHz-26.5GHz



802.11n HT40 mode
Channel 2452MHz
0.03GHz-1GHz



1GHz-26.5GHz



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)).

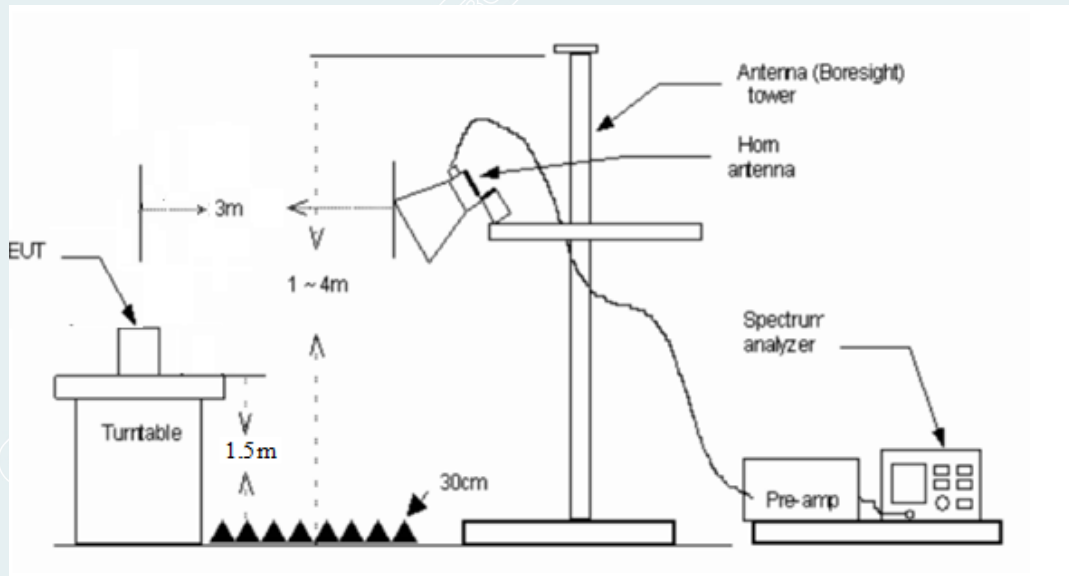
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 -	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.69525	960 - 1240	7.25 - 7.75
4.125 - 4.128	16.80425 -	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	16.80475	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	25.5 - 25.67	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	37.5 - 38.25	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	73 - 74.6	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	74.8 - 75.2	2200 - 2300	14.47 - 14.5
8.291 - 8.294	108 - 121.94	2310 - 2390	15.35 - 16.2
8.362 - 8.366	123 - 138	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	149.9 - 150.05	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	156.52475 -	3260 - 3267	23.6 - 24.0
12.29 - 12.293	156.52525	3332 - 3339	31.2 - 31.8
12.51975 -	156.7 - 156.9	3345.8 - 3358	36.43 - 36.5
12.52025	162.0125 - 167.17	3600 - 4400	
12.57675 -	167.72 - 173.2		
12.57725	240 - 285		
13.36 - 13.41	322 - 335.4		

11.2. TEST PROCEDURES

Test procedures follow KDB 558074 D01 DTS Meas Guidance v03r01.

- 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
- 5) Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

11.3. TEST SETUP



11.4. TEST RESULTS

Recorded the worst case results in this report (antenna 1 for IEEE 802.11b/g)

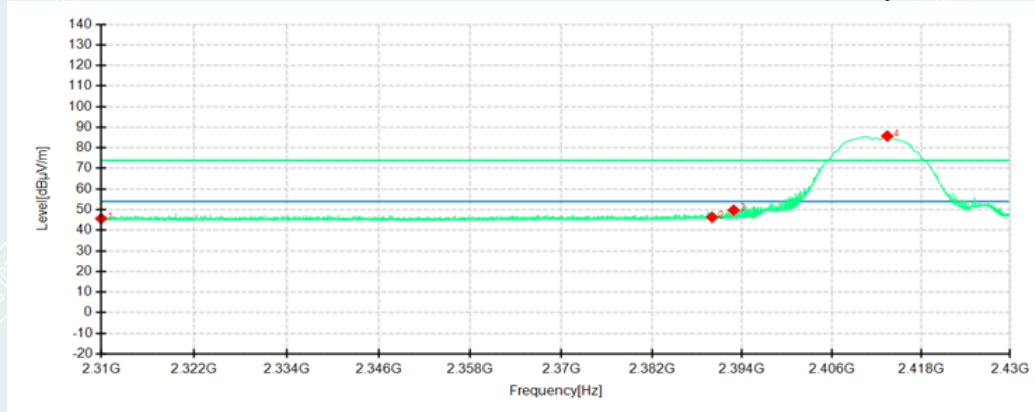
802.11b mode

Lowest Channel

Channel 2412MHz

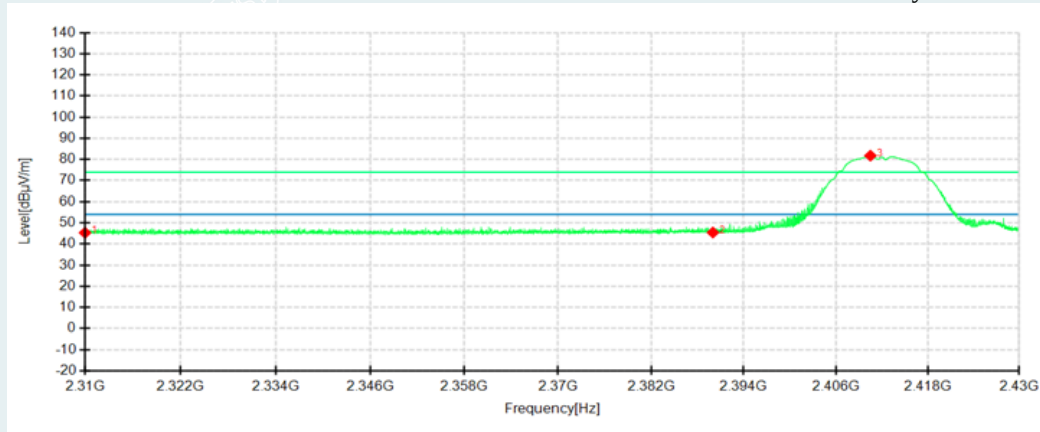
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



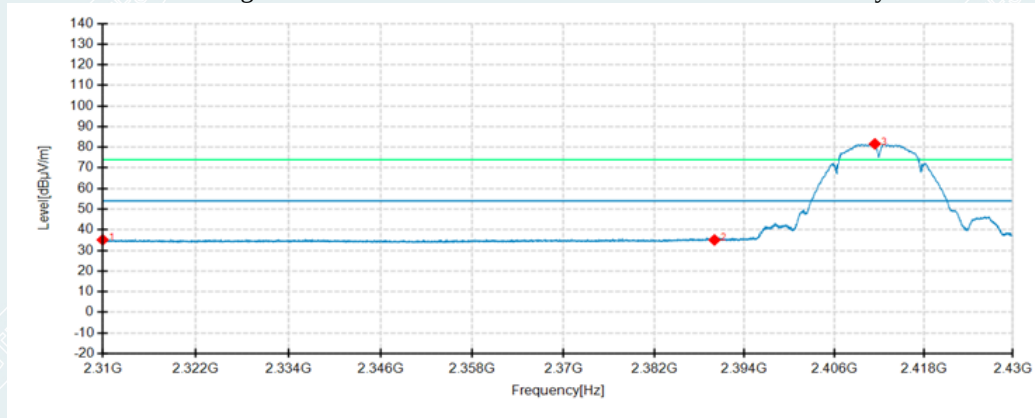
No	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	42.66	45.65	2.99	74.00	28.35	150	220	Horizontal	/
2	2390.0000	43.11	46.30	3.19	74.00	27.70	150	110	Horizontal	/
3	2392.8750	46.54	49.77	3.23	74.00	24.23	100	161	Horizontal	/
4	2413.4400	82.37	85.76	3.39	74.00	-11.76	150	308	Horizontal	No limit
1	2310.0000	42.31	45.30	2.99	74.00	28.70	150	226	Vertical	/
2	2390.0000	42.24	45.43	3.19	74.00	28.57	150	301	Vertical	/
3	2410.5000	78.39	81.77	3.38	74.00	-7.77	100	318	Vertical	No limit

802.11b mode**Lowest Channel**

Channel 2412MHz

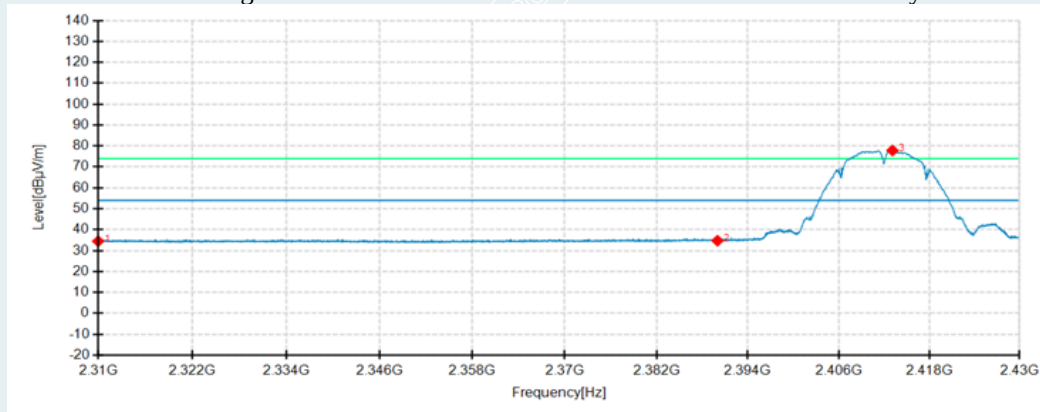
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



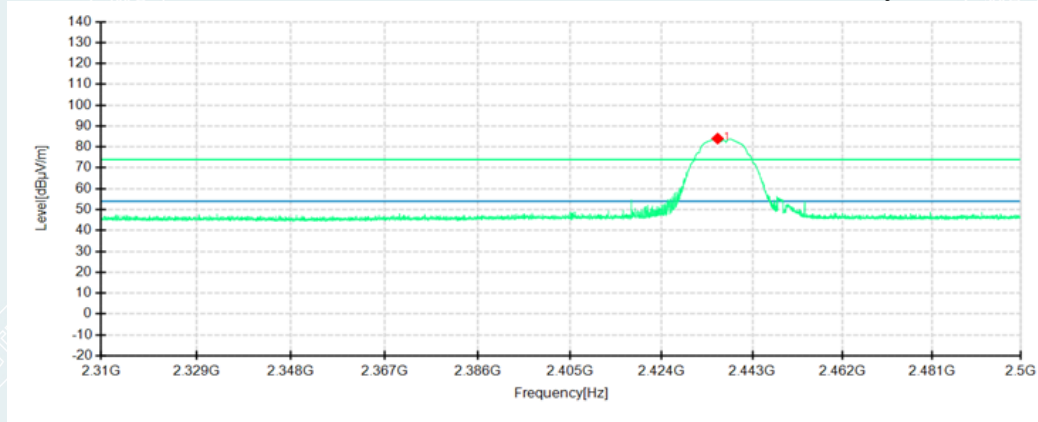
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	32.14	35.13	2.99	54.00	18.87	100	310	Horizontal	/
2	2390.0000	31.86	35.05	3.19	54.00	18.95	100	161	Horizontal	/
3	2411.4300	78.26	81.64	3.38	54.00	-27.64	150	308	Horizontal	No limit
1	2310.0000	31.48	34.47	2.99	54.00	19.53	100	325	Vertical	/
2	2390.0000	31.53	34.72	3.19	54.00	19.28	150	48	Vertical	/
3	2413.1100	74.46	77.84	3.38	54.00	-23.84	100	332	Vertical	No limit

802.11b mode**Middle Channel**

Channel 2437MHz

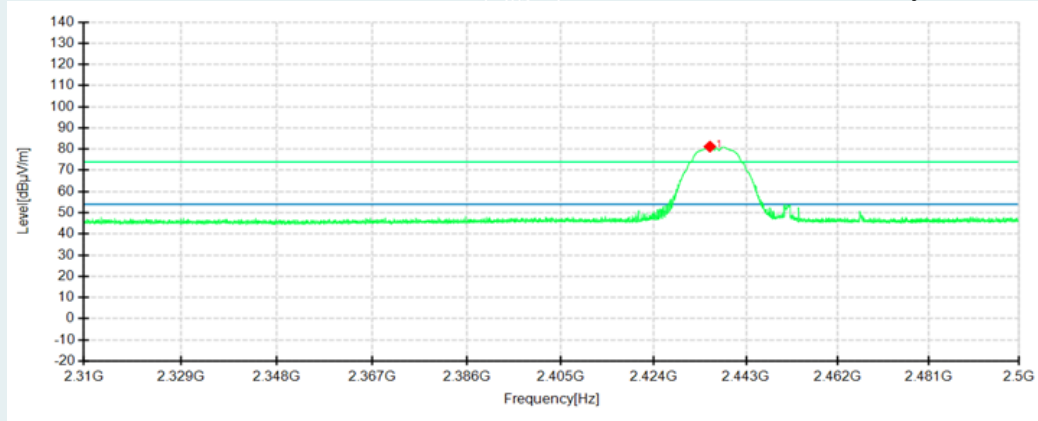
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



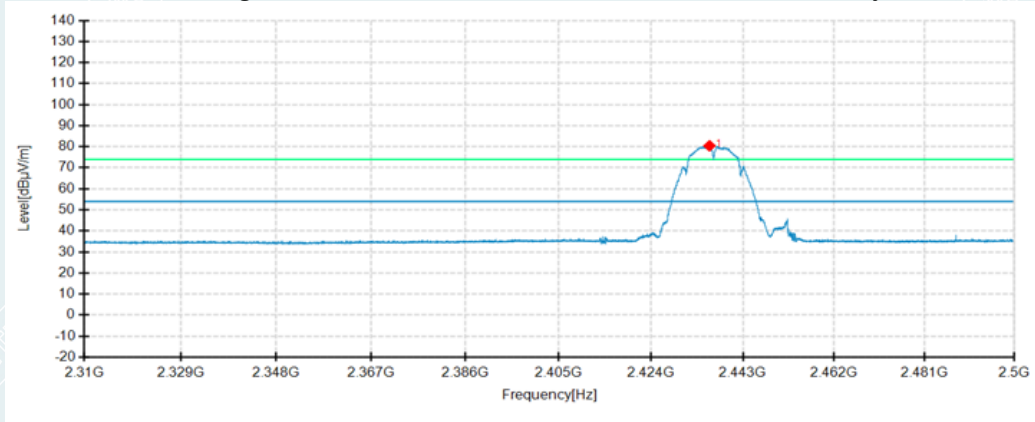
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2435.7088	80.56	84.02	3.46	74.00	-10.02	100	291	Horizontal	No limit
1	2435.5425	77.73	81.19	3.46	74.00	-7.19	150	9	Vertical	No limit

802.11b mode**Middle Channel**

Channel 2437MHz

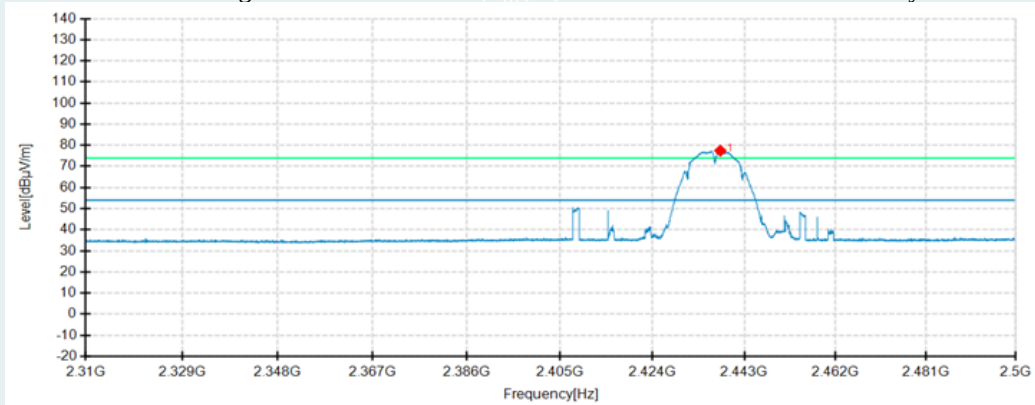
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



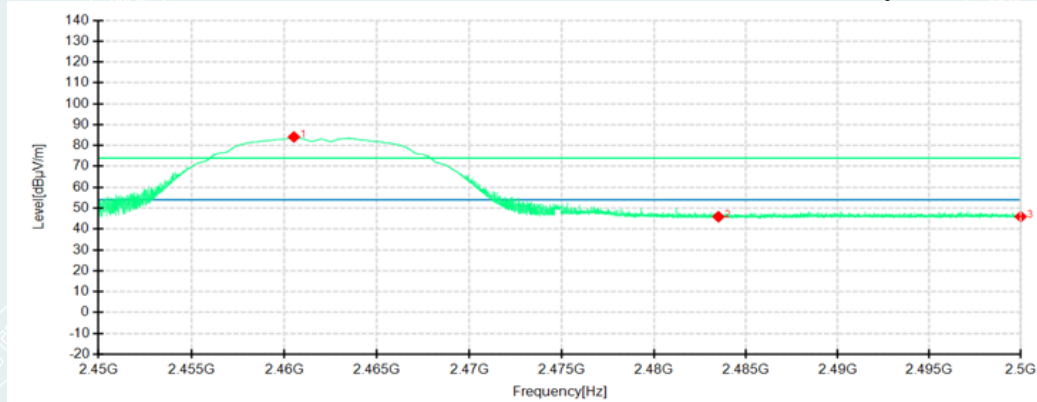
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2436.0888	76.97	80.43	3.46	54.00	-26.43	100	289	Horizontal	No limit
1	2438.0363	73.96	77.43	3.47	54.00	-23.43	150	14	Vertical	No limit

802.11b mode**Highest Channel**

Channel 2462MHz

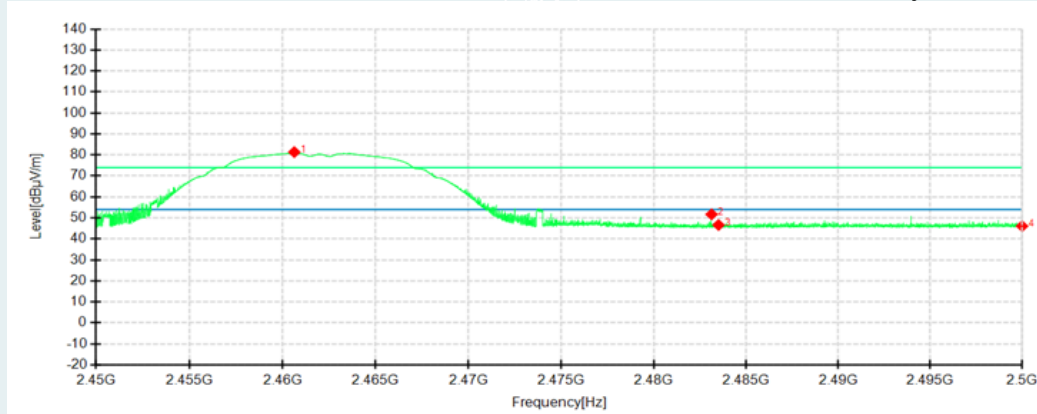
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



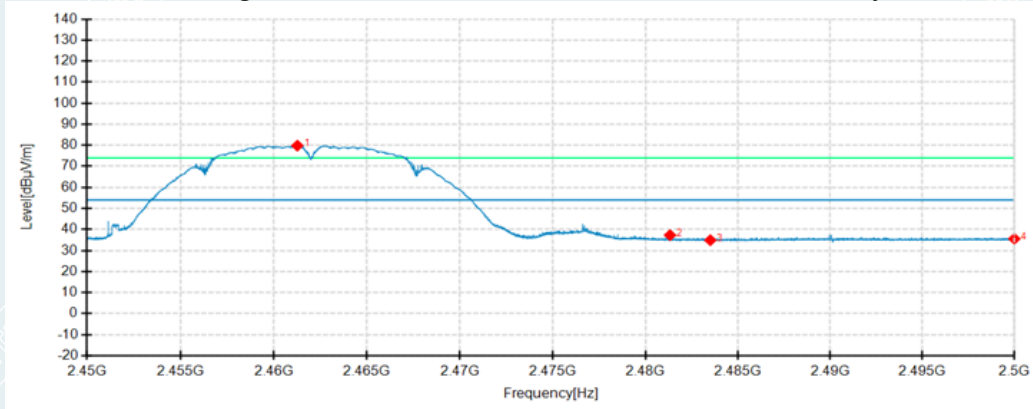
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2460.5188	80.58	84.10	3.52	74.00	-10.10	100	39	Horizontal	No limit
2	2483.5000	42.32	45.88	3.56	74.00	28.12	150	301	Horizontal	/
3	2500.0000	42.34	45.92	3.58	74.00	28.08	100	148	Horizontal	/
1	2460.6313	77.83	81.35	3.52	74.00	-7.35	150	335	Vertical	No limit
2	2483.1250	48.13	51.69	3.56	74.00	22.31	150	15	Vertical	/
3	2483.5000	43.06	46.62	3.56	74.00	27.38	100	297	Vertical	/
4	2500.0000	42.49	46.07	3.58	74.00	27.93	150	9	Vertical	/

802.11b mode**Highest Channel**

Channel 2462MHz

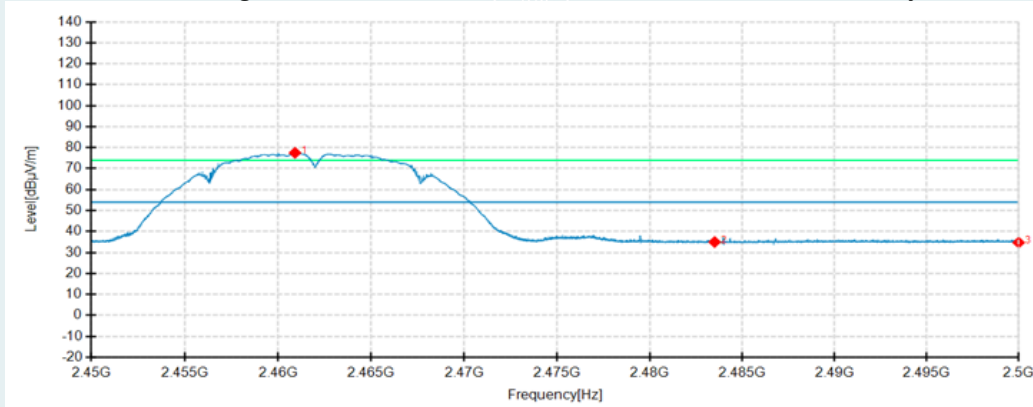
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



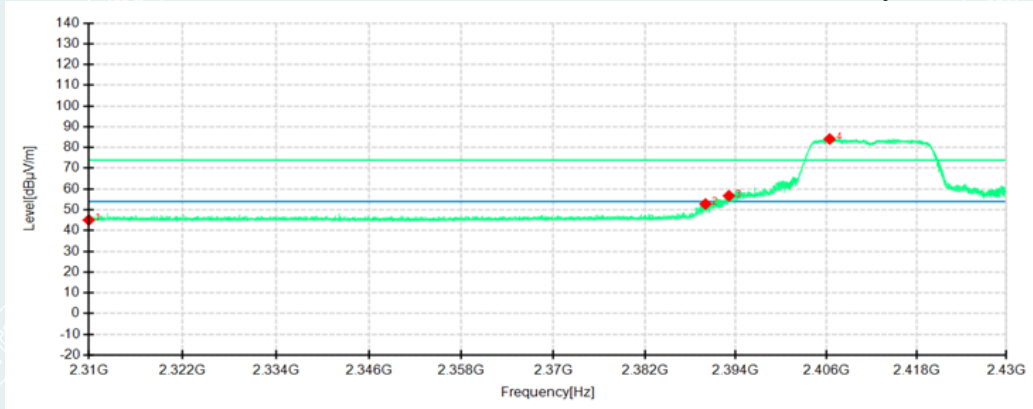
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2461.2625	76.27	79.80	3.53	54.00	-25.80	100	38	Horizontal	No limit
2	2481.3250	33.72	37.27	3.55	54.00	16.73	100	358	Horizontal	/
3	2483.5000	31.31	34.87	3.56	54.00	19.13	150	199	Horizontal	/
4	2500.0000	31.97	35.55	3.58	54.00	18.45	100	65	Horizontal	/
1	2460.9063	73.98	77.51	3.53	54.00	-23.51	150	336	Vertical	No limit
2	2483.5000	31.42	34.98	3.56	54.00	19.02	150	349	Vertical	/
3	2500.0000	31.14	34.72	3.58	54.00	19.28	150	329	Vertical	/

802.11g mode**Lowest Channel**

Channel 2412MHz

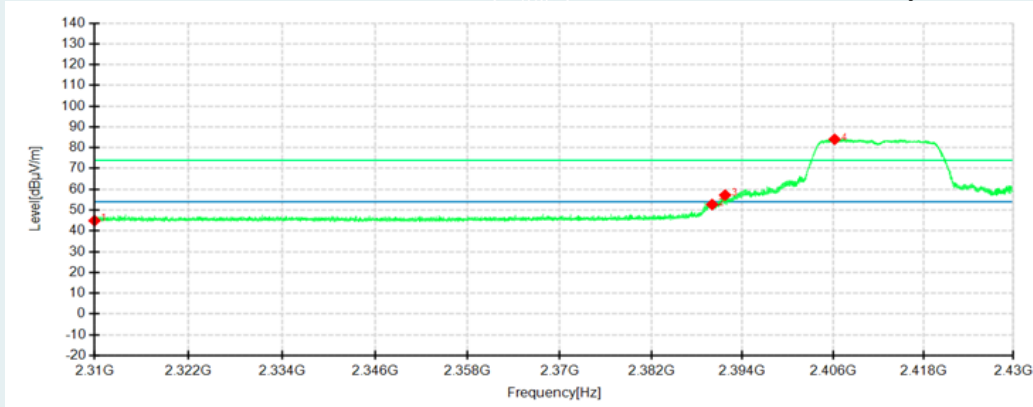
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



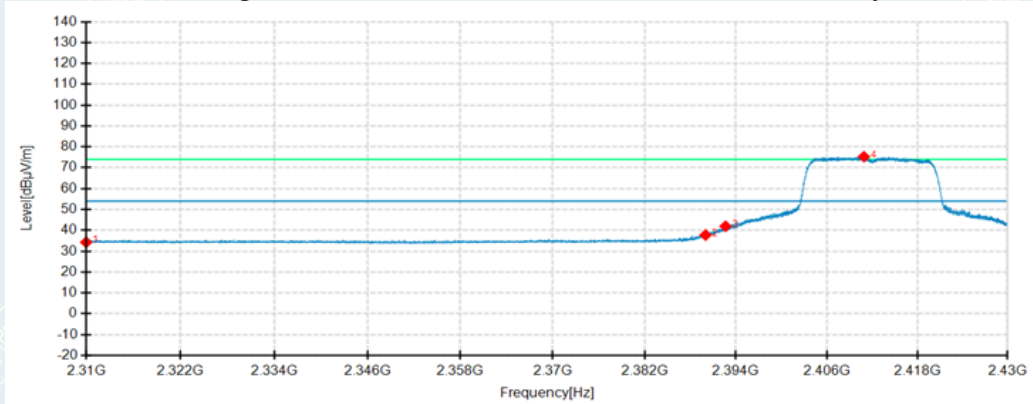
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	42.05	45.04	2.99	74.00	28.96	150	220	Horizontal	/
2	2390.0000	49.61	52.80	3.19	74.00	21.20	150	308	Horizontal	/
3	2393.1000	53.51	56.74	3.23	74.00	17.26	150	315	Horizontal	/
4	2406.4350	80.74	84.10	3.36	74.00	-10.10	150	308	Horizontal	No limit
1	2310.0000	41.91	44.90	2.99	74.00	29.10	100	236	Vertical	/
2	2390.0000	49.47	52.66	3.19	74.00	21.34	150	158	Vertical	/
3	2391.7200	53.98	57.19	3.21	74.00	16.81	150	171	Vertical	/
4	2406.1950	80.69	84.05	3.36	74.00	-10.05	100	167	Vertical	No limit

802.11g mode**Lowest Channel**

Channel 2412MHz

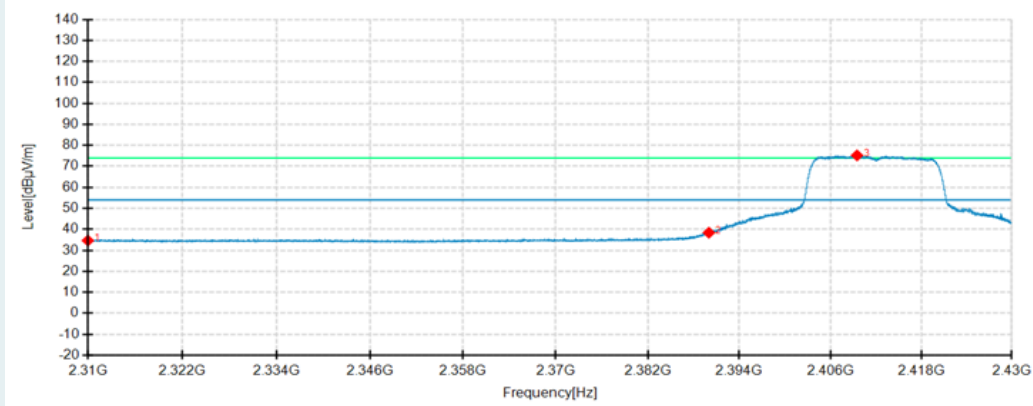
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



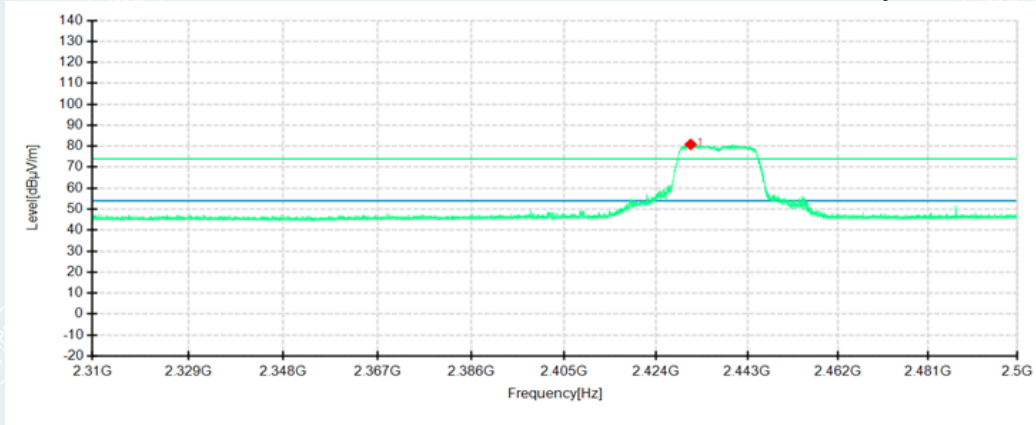
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	31.25	34.24	2.99	54.00	19.76	100	141	Horizontal	/
2	2390.0000	34.54	37.73	3.19	54.00	16.27	150	315	Horizontal	/
3	2392.6350	38.70	41.93	3.23	54.00	12.07	150	308	Horizontal	/
4	2410.9050	71.88	75.26	3.38	54.00	-21.26	150	308	Horizontal	No limit
1	2310.0000	31.66	34.65	2.99	54.00	19.35	150	193	Vertical	/
2	2390.0000	35.19	38.38	3.19	54.00	15.62	150	179	Vertical	/
3	2409.4950	71.83	75.20	3.37	54.00	-21.20	100	173	Vertical	No limit

802.11g mode**Middle Channel**

Channel 2437MHz

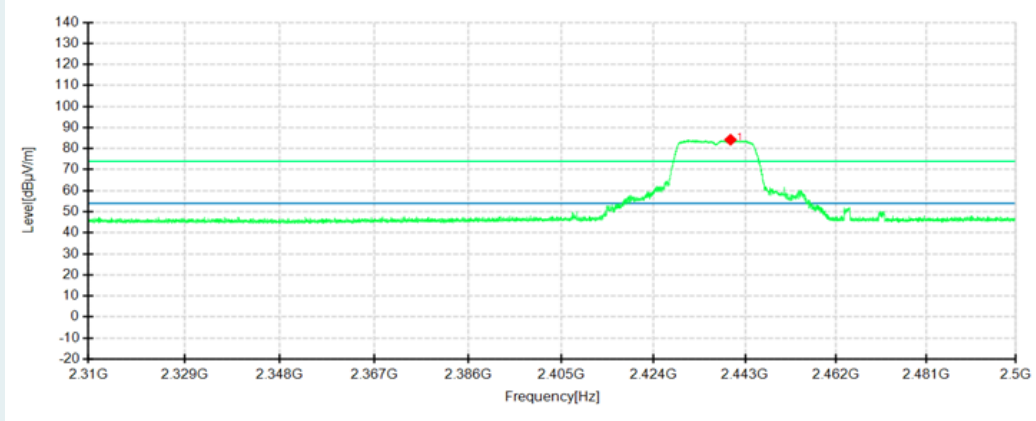
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



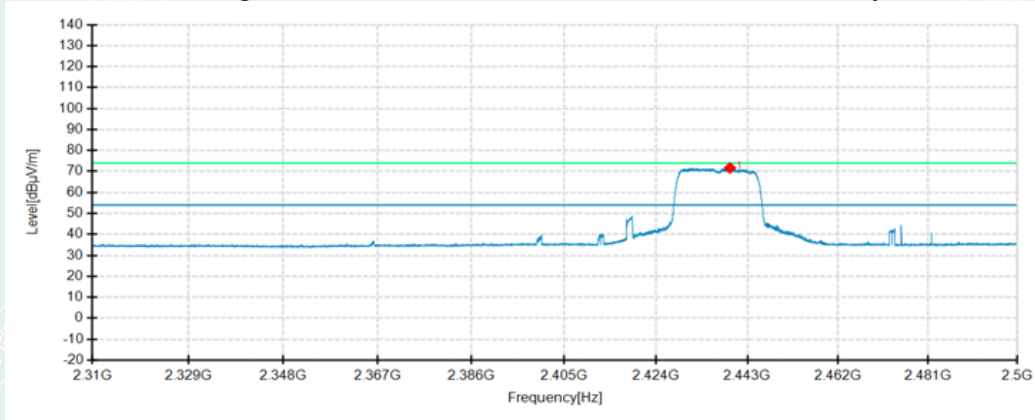
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2431.1963	77.39	80.84	3.45	74.00	-6.84	150	244	Horizontal	No limit
1	2439.9600	80.73	84.21	3.48	74.00	-10.21	150	59	Vertical	No limit

802.11g mode**Middle Channel**

Channel 2437MHz

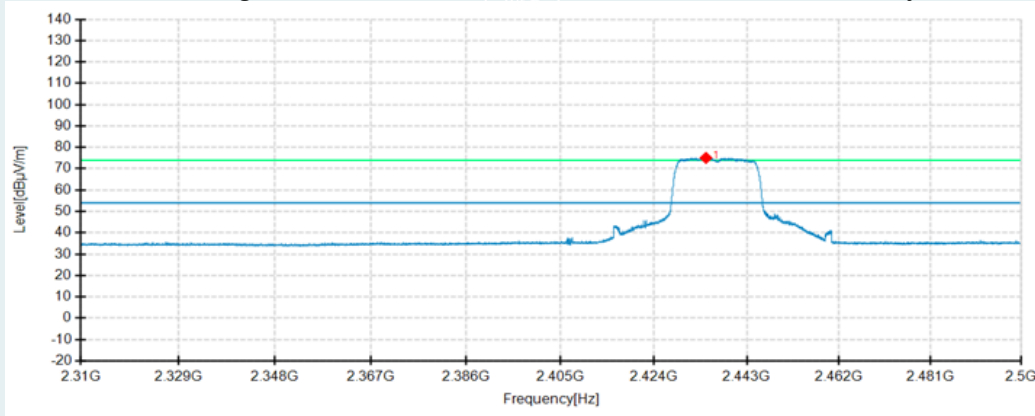
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



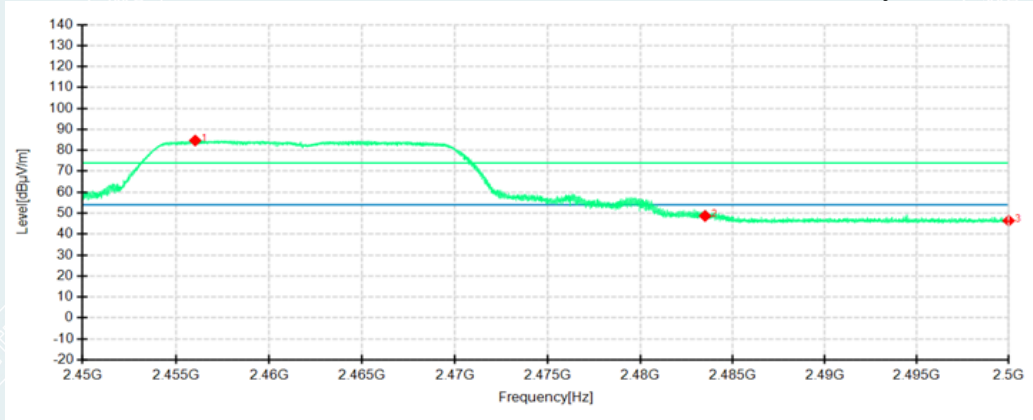
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2439.3663	68.17	71.64	3.47	54.00	-17.64	100	274	Horizontal	No limit
1	2434.6400	71.58	75.04	3.46	54.00	-21.04	100	342	Vertical	No limit

802.11g mode**Highest Channel**

Channel 2462MHz

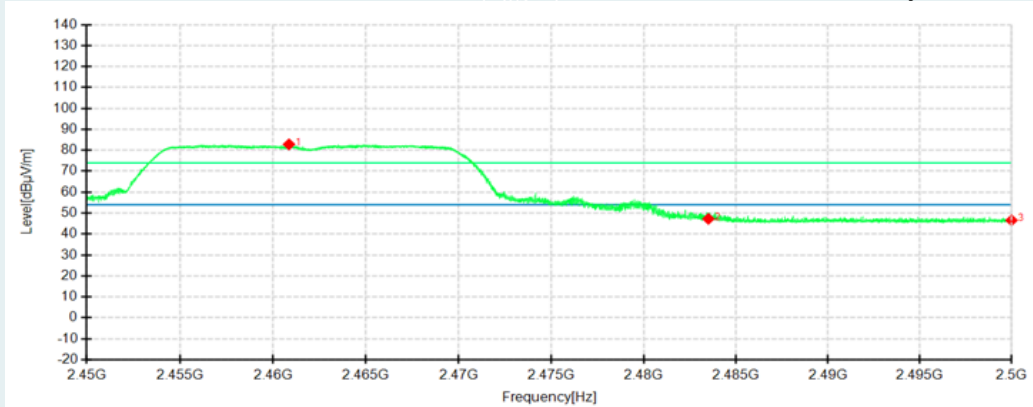
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



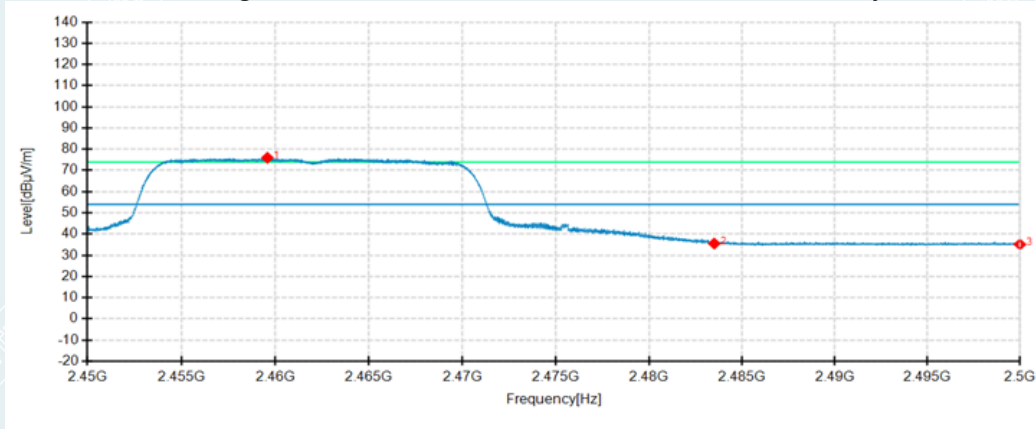
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2456.0375	81.16	84.68	3.52	74.00	-10.68	150	28	Horizontal	No limit
2	2483.5000	45.10	48.66	3.56	74.00	25.34	150	21	Horizontal	/
3	2500.0000	42.80	46.38	3.58	74.00	27.62	150	21	Horizontal	/
1	2460.8563	79.30	82.83	3.53	74.00	-8.83	150	342	Vertical	No limit
2	2483.5000	43.67	47.23	3.56	74.00	26.77	150	349	Vertical	/
3	2500.0000	42.97	46.55	3.58	74.00	27.45	100	262	Vertical	/

802.11g mode**Highest Channel**

Channel 2462MHz

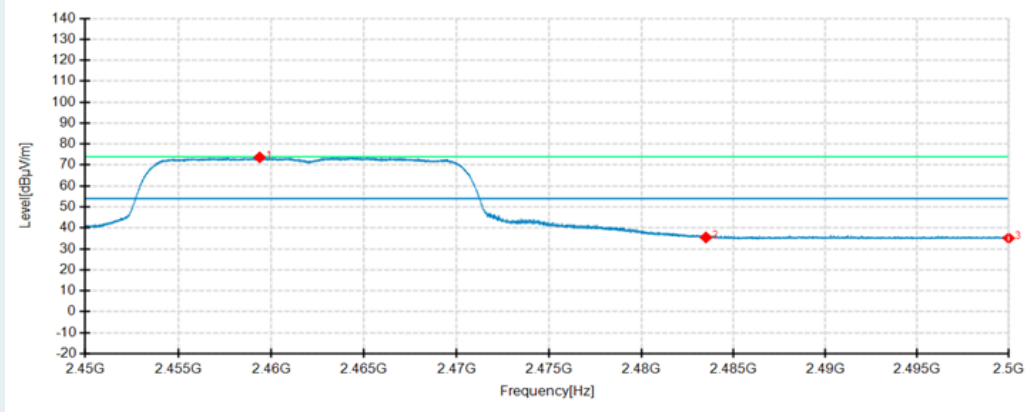
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



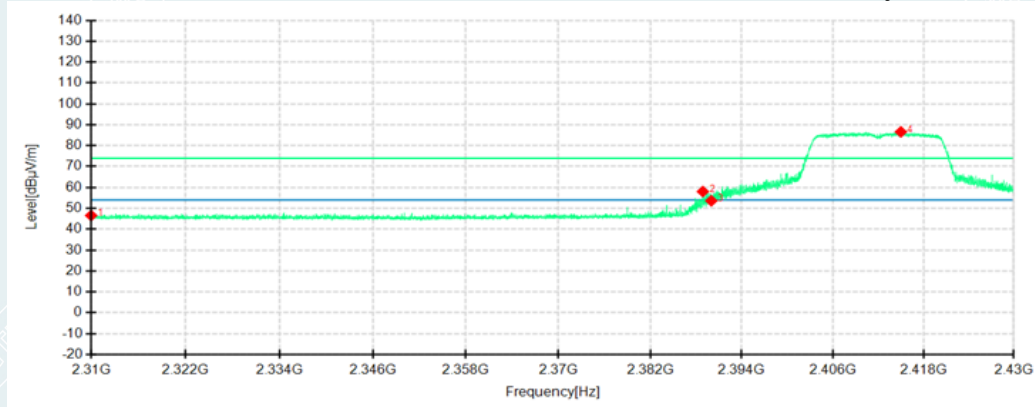
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2459.5813	72.42	75.94	3.52	54.00	-21.94	150	22	Horizontal	No limit
2	2483.5000	31.93	35.49	3.56	54.00	18.51	150	145	Horizontal	/
3	2500.0000	31.51	35.09	3.58	54.00	18.91	150	56	Horizontal	/
1	2459.3750	70.14	73.66	3.52	54.00	-19.66	150	342	Vertical	No limit
2	2483.5000	31.87	35.43	3.56	54.00	18.57	150	349	Vertical	/
3	2500.0000	31.51	35.09	3.58	54.00	18.91	150	7	Vertical	/

802.11n HT20 mode**Lowest Channel**

Channel 2412MHz

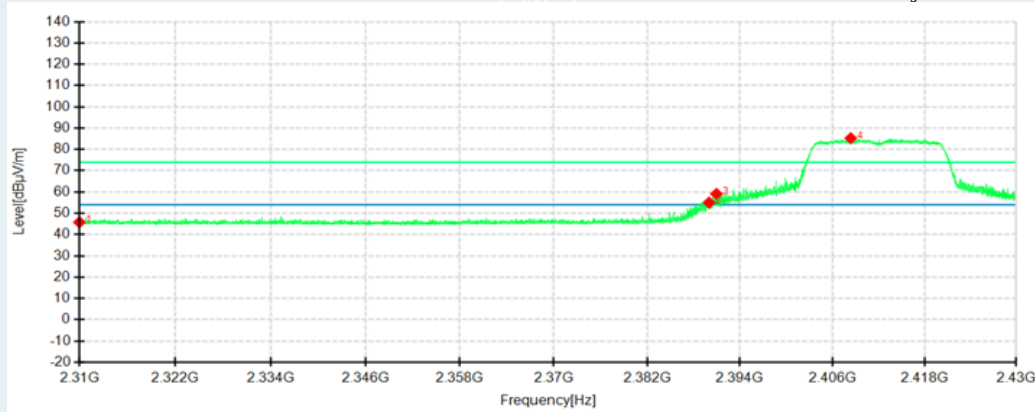
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



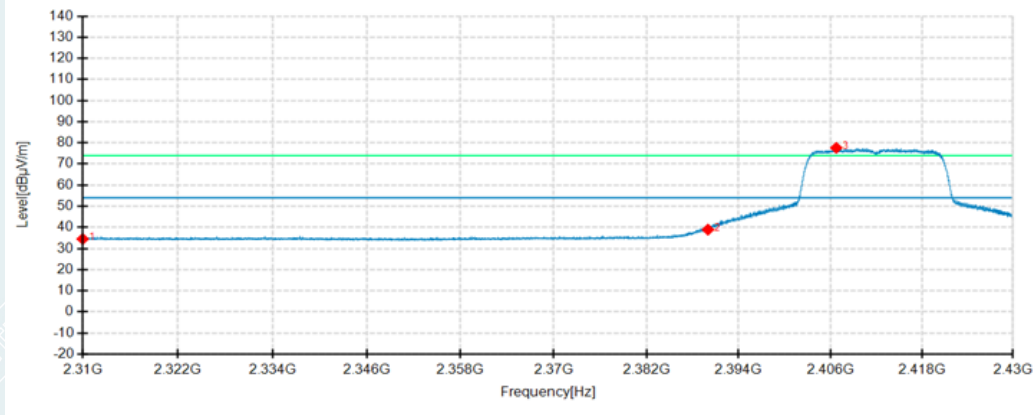
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	43.57	46.56	2.99	74.00	27.44	100	41	Horizontal	/
2	2388.8850	54.84	58.01	3.17	74.00	15.99	150	24	Horizontal	/
3	2390.0000	50.42	53.61	3.19	74.00	20.39	150	31	Horizontal	/
4	2415.0000	83.18	86.57	3.39	74.00	-12.57	150	31	Horizontal	No limit
1	2310.0000	42.78	45.77	2.99	74.00	28.23	100	308	Vertical	/
2	2390.0000	51.84	55.03	3.19	74.00	18.97	100	308	Vertical	/
3	2390.9550	55.93	59.13	3.20	74.00	14.87	100	315	Vertical	/
4	2408.3850	81.89	85.26	3.37	74.00	-11.26	150	325	Vertical	No limit

802.11n HT20 mode**Lowest Channel**

Channel 2412MHz

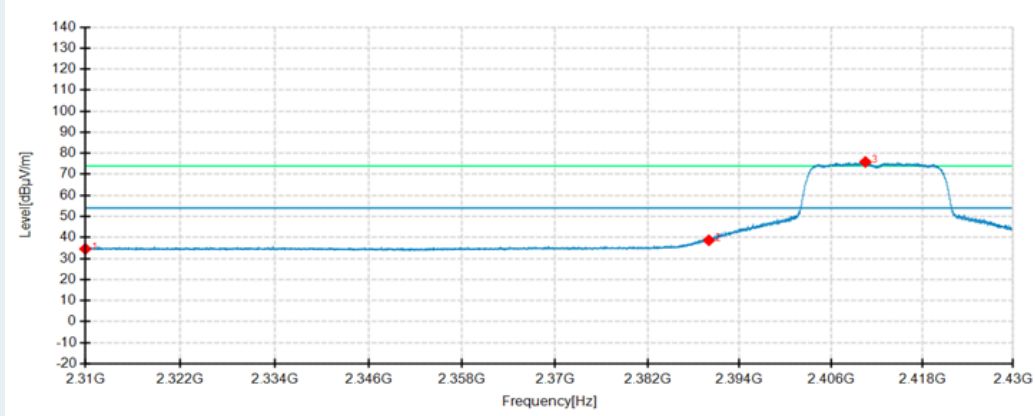
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



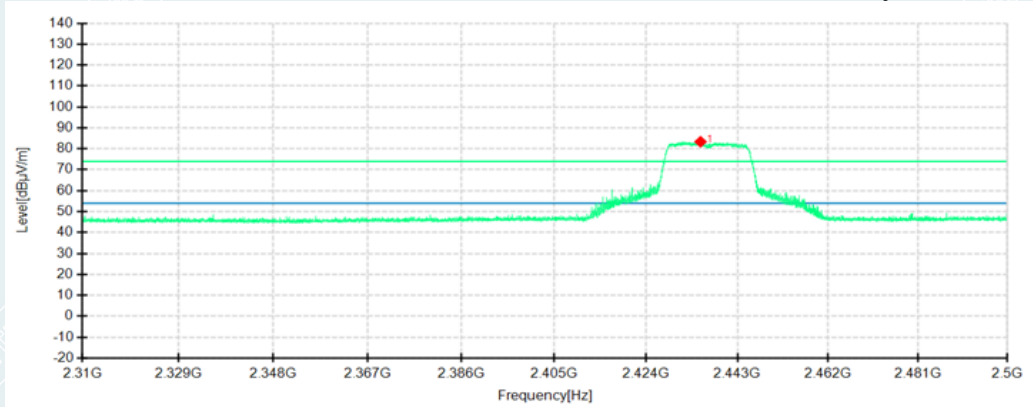
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	31.51	34.50	2.99	54.00	19.50	100	246	Horizontal	/
2	2390.0000	35.72	38.91	3.19	54.00	15.09	150	31	Horizontal	/
3	2406.7500	74.27	77.63	3.36	54.00	-23.63	150	31	Horizontal	No limit
1	2310.0000	31.57	34.56	2.99	54.00	19.44	150	11	Vertical	/
2	2390.0000	35.46	38.65	3.19	54.00	15.35	100	315	Vertical	/
3	2410.5150	72.48	75.86	3.38	54.00	-21.86	150	332	Vertical	No limit

802.11n HT20 mode**Middle Channel**

Channel 2437MHz

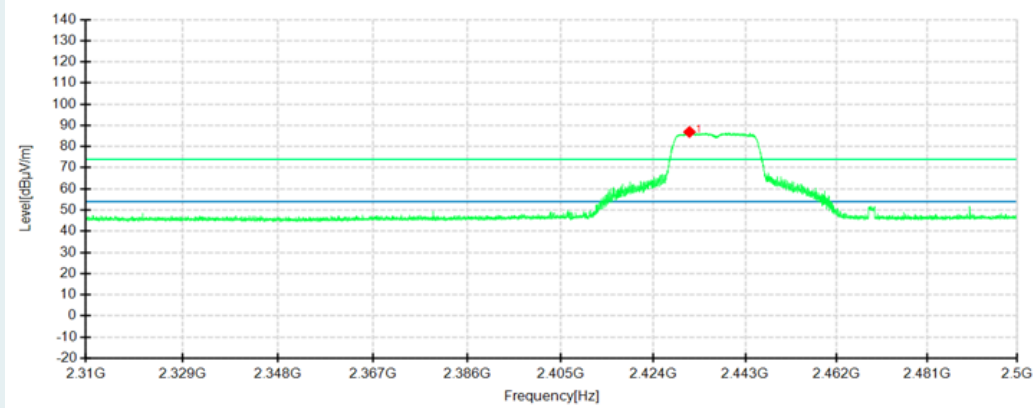
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



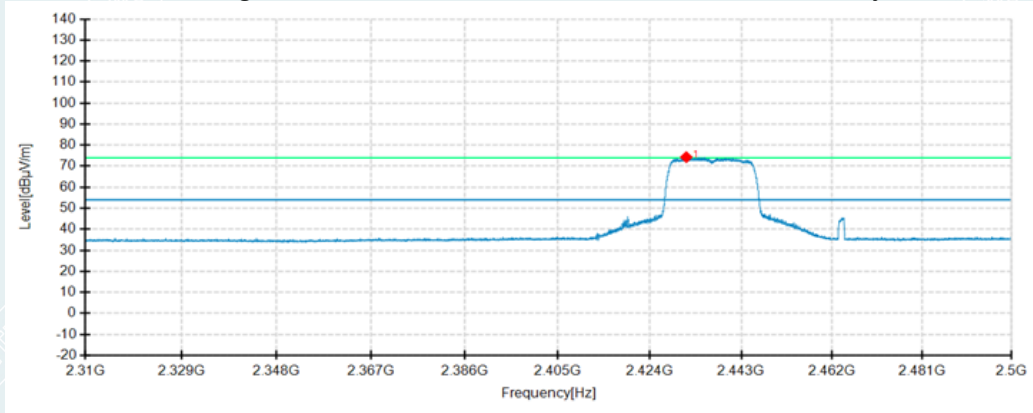
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2435.3288	79.90	83.36	3.46	74.00	-9.36	100	315	Horizontal	No limit
1	2431.4575	83.44	86.89	3.45	74.00	-12.89	150	346	Vertical	No limit

802.11n HT20 mode**Middle Channel**

Channel 2437MHz

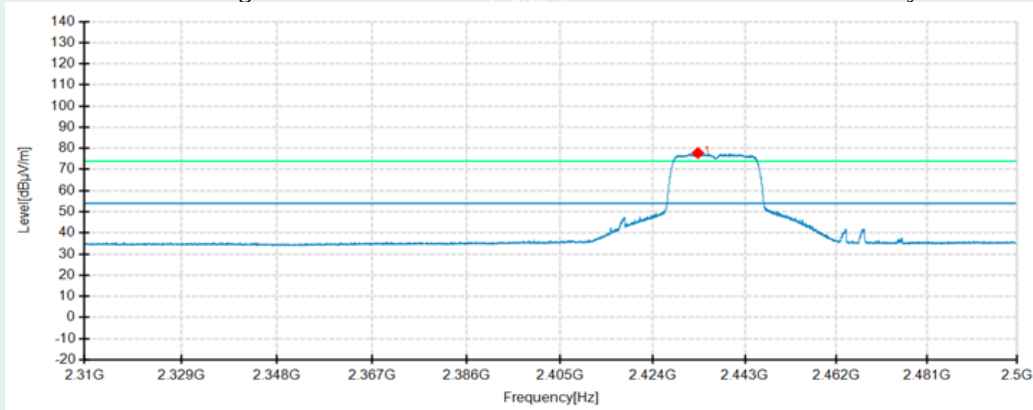
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



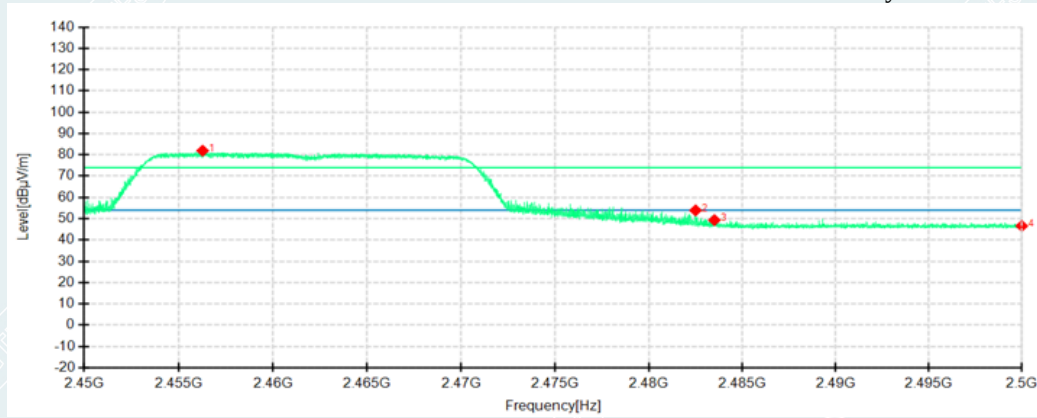
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2431.5763	70.84	74.29	3.45	54.00	-20.29	100	315	Horizontal	No limit
1	2433.2863	74.34	77.79	3.45	54.00	-23.79	150	351	Vertical	No limit

802.11n HT20 mode**Highest Channel**

Channel 2462MHz

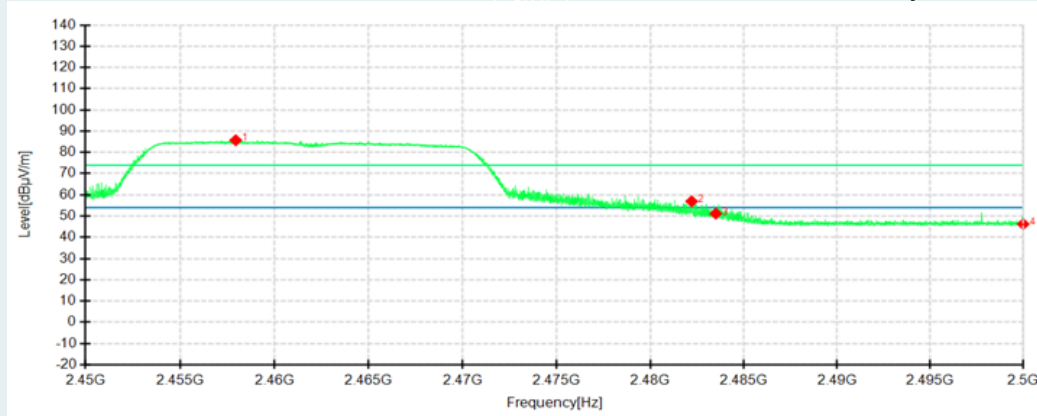
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



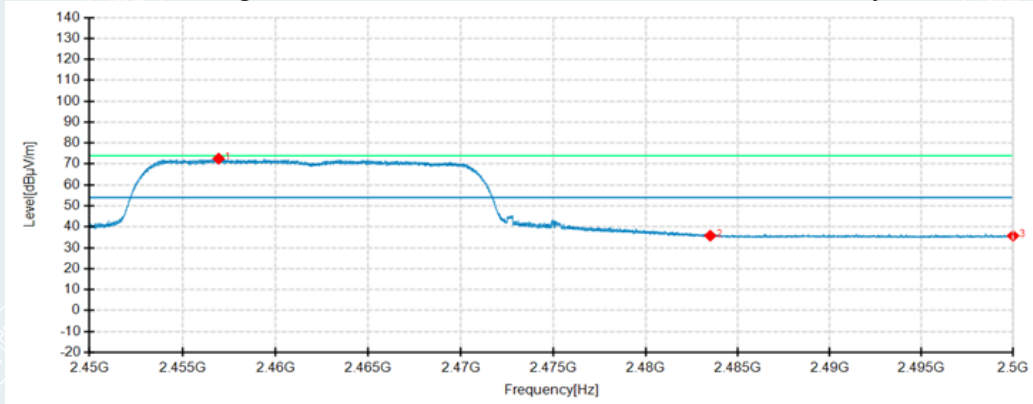
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2456.2750	78.40	81.92	3.52	74.00	-7.92	150	251	Horizontal	No limit
2	2482.4938	50.33	53.89	3.56	74.00	20.11	150	175	Horizontal	/
3	2483.5000	45.75	49.31	3.56	74.00	24.69	100	274	Horizontal	/
4	2500.0000	42.99	46.57	3.58	74.00	27.43	150	210	Horizontal	/
1	2457.9500	82.19	85.71	3.52	74.00	-11.71	150	339	Vertical	No limit
2	2482.2063	53.39	56.95	3.56	74.00	17.05	100	322	Vertical	/
3	2483.5000	47.59	51.15	3.56	74.00	22.85	100	315	Vertical	/
4	2500.0000	42.63	46.21	3.58	74.00	27.79	150	256	Vertical	/

802.11n HT20 mode**Highest Channel**

Channel 2462MHz

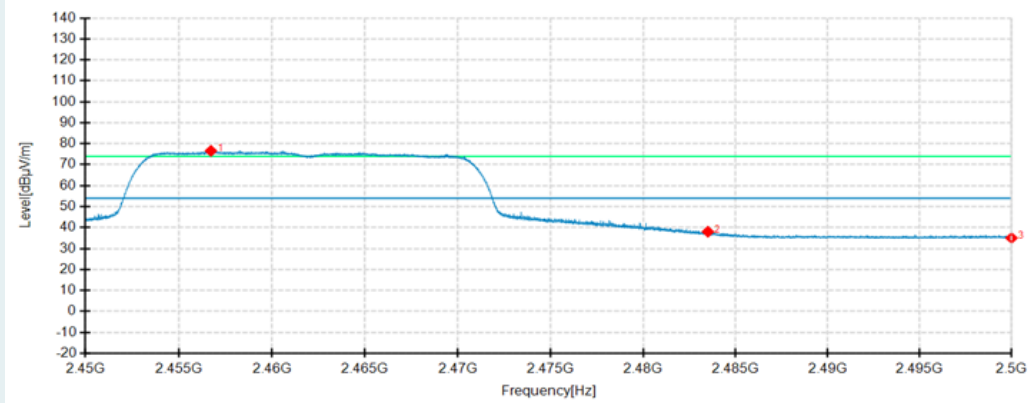
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



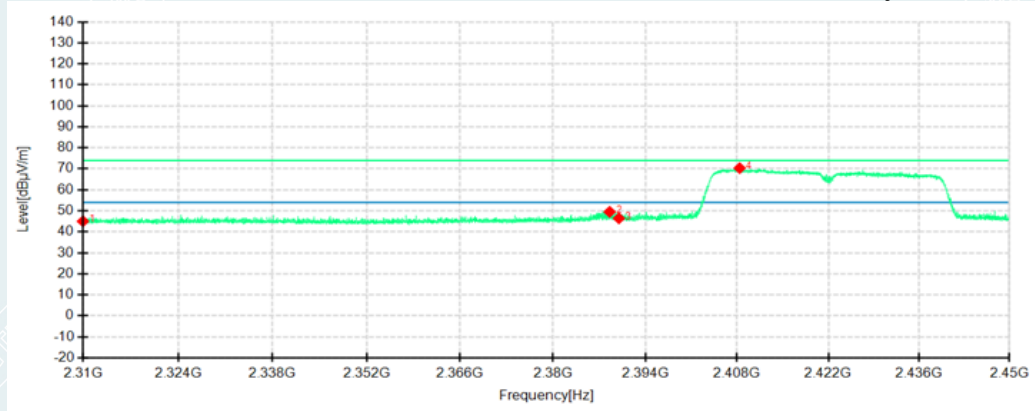
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2456.9375	69.04	72.56	3.52	54.00	-18.56	150	250	Horizontal	No limit
2	2483.5000	32.17	35.73	3.56	54.00	18.27	150	175	Horizontal	/
3	2500.0000	32.12	35.70	3.58	54.00	18.30	150	318	Horizontal	/
1	2456.7250	73.05	76.57	3.52	54.00	-22.57	150	345	Vertical	No limit
2	2483.5000	34.45	38.01	3.56	54.00	15.99	100	328	Vertical	/
3	2500.0000	31.44	35.02	3.58	54.00	18.98	150	127	Vertical	/

802.11n HT40 mode**Lowest Channel**

Channel 2422MHz

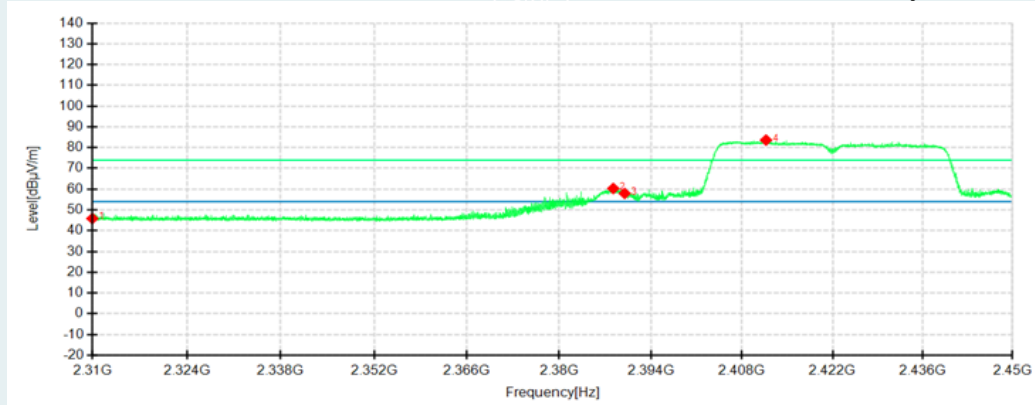
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



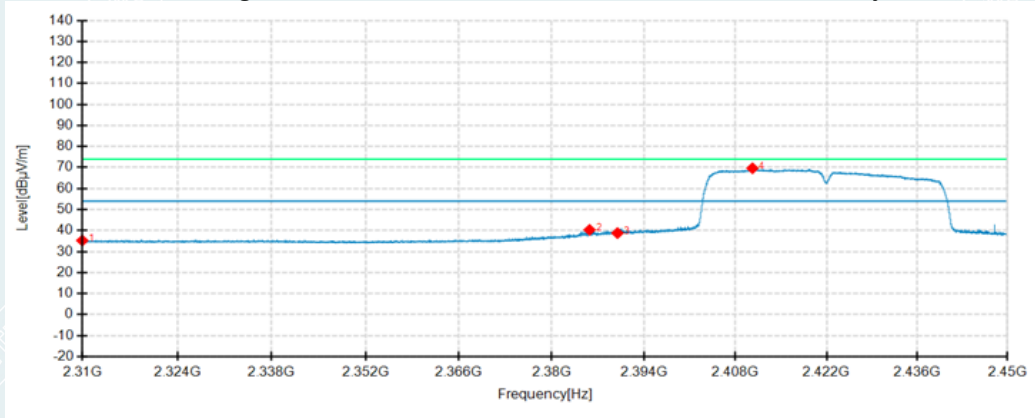
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	42.02	45.01	2.99	74.00	28.99	100	355	Horizontal	/
2	2388.5925	46.35	49.51	3.16	74.00	24.49	100	355	Horizontal	/
3	2390.0000	43.22	46.41	3.19	74.00	27.59	100	352	Horizontal	/
4	2408.4025	66.96	70.33	3.37	74.00	3.67	100	352	Horizontal	No limit
1	2310.0000	42.86	45.85	2.99	74.00	28.15	100	166	Vertical	/
2	2388.2600	57.14	60.30	3.16	74.00	13.70	100	336	Vertical	/
3	2390.0000	54.75	57.94	3.19	74.00	16.06	100	336	Vertical	/
4	2411.7100	80.25	83.63	3.38	74.00	-9.63	100	342	Vertical	No limit

802.11n HT40 mode**Lowest Channel**

Channel 2422MHz

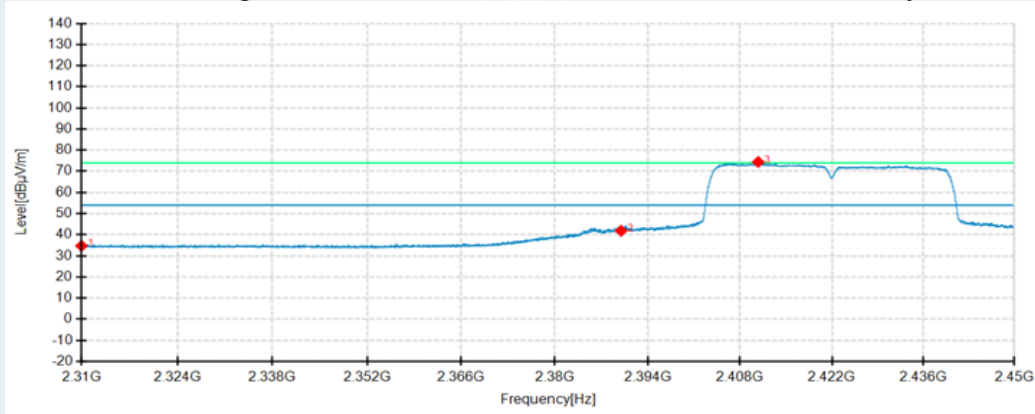
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



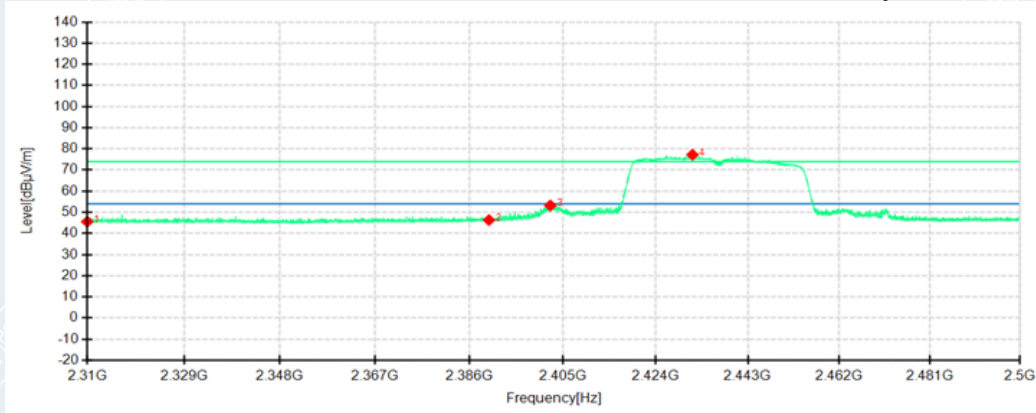
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	32.26	35.25	2.99	54.00	18.75	100	320	Horizontal	/
2	2385.7575	37.17	40.29	3.12	54.00	13.71	100	304	Horizontal	/
3	2390.0000	35.59	38.78	3.19	54.00	15.22	100	306	Horizontal	/
3	2434.9325	75.35	81.78	6.43	54.00	-27.78	100	360	Horizontal	No limit
1	2310.0000	31.74	34.73	2.99	54.00	19.27	100	353	Vertical	/
2	2390.0000	38.65	41.84	3.19	54.00	12.16	100	358	Vertical	/
3	2410.7475	71.01	74.39	3.38	54.00	-20.39	100	349	Vertical	No limit

802.11n HT40 mode**Middle Channel**

Channel 2437MHz

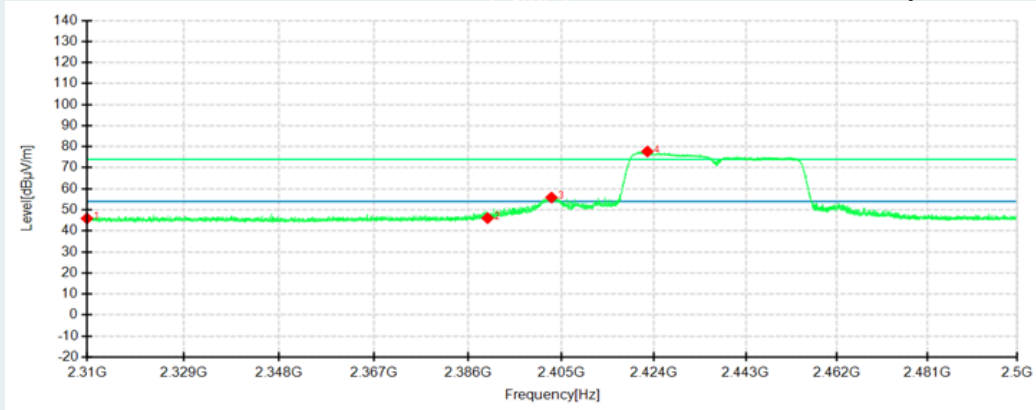
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



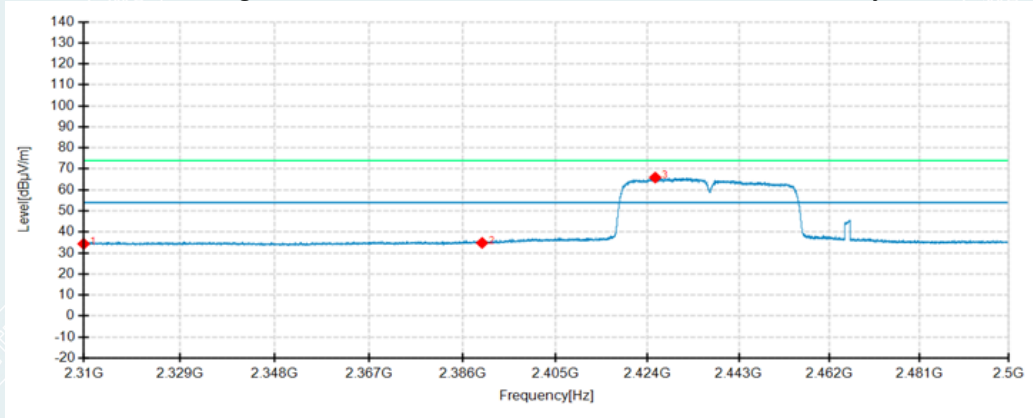
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	42.56	45.55	2.99	74.00	28.45	100	42	Horizontal	/
2	2390.0000	43.13	46.32	3.19	74.00	27.68	100	32	Horizontal	/
3	2402.4588	49.86	53.21	3.35	74.00	20.79	100	19	Horizontal	/
4	2431.5763	73.77	77.22	3.45	74.00	-3.22	100	19	Horizontal	No limit
1	2310.0000	42.91	45.90	2.99	74.00	28.10	100	17	Vertical	/
2	2390.0000	42.85	46.04	3.19	74.00	27.96	100	5	Vertical	/
3	2403.0050	52.47	55.82	3.35	74.00	18.18	100	6	Vertical	/
4	2422.6700	74.30	77.72	3.42	74.00	-3.72	100	1	Vertical	No limit

802.11n HT40 mode**Middle Channel**

Channel 2437MHz

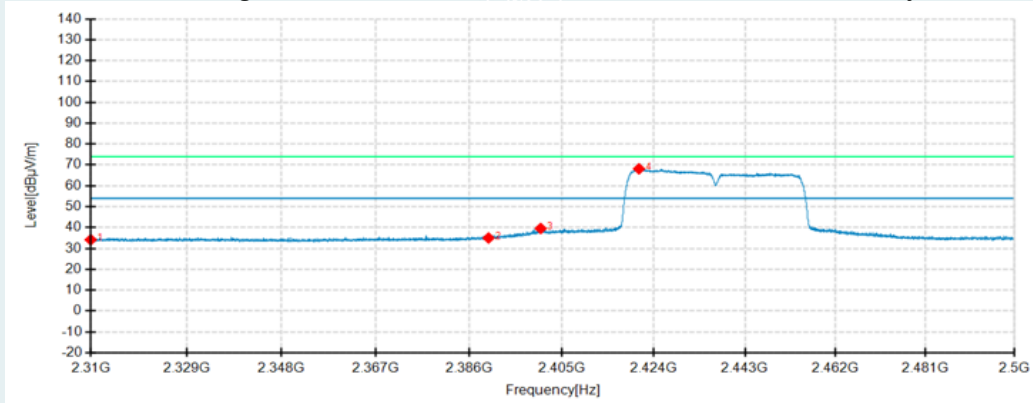
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



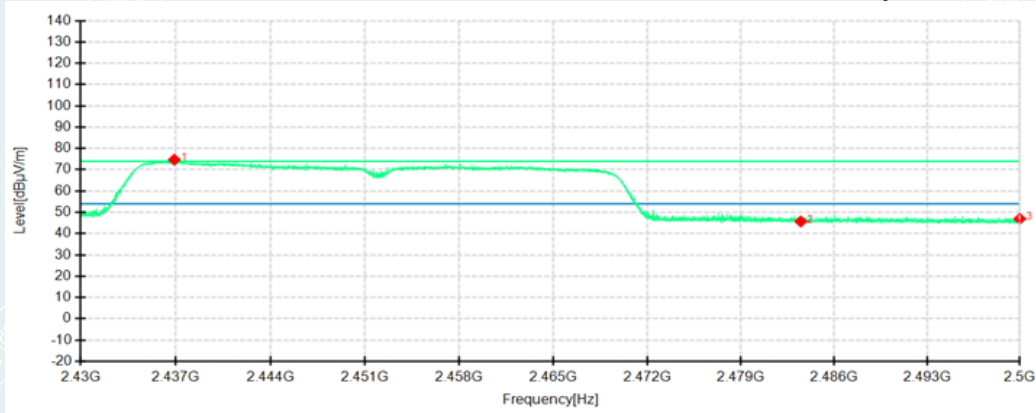
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	31.35	34.34	2.99	54.00	19.66	100	6	Horizontal	/
2	2390.0000	31.59	34.78	3.19	54.00	19.22	100	3	Horizontal	/
3	2425.6150	62.45	65.88	3.43	54.00	-11.88	100	15	Horizontal	No limit
1	2310.0000	31.15	34.14	2.99	54.00	19.86	100	1	Vertical	/
2	2390.0000	31.79	34.98	3.19	54.00	19.02	100	0	Vertical	/
3	2400.6775	36.20	39.54	3.34	54.00	14.46	100	3	Vertical	/
4	2420.9600	64.72	68.13	3.41	54.00	-14.13	100	1	Vertical	No limit

802.11n HT40 mode**Highest Channel**

Channel 2452MHz

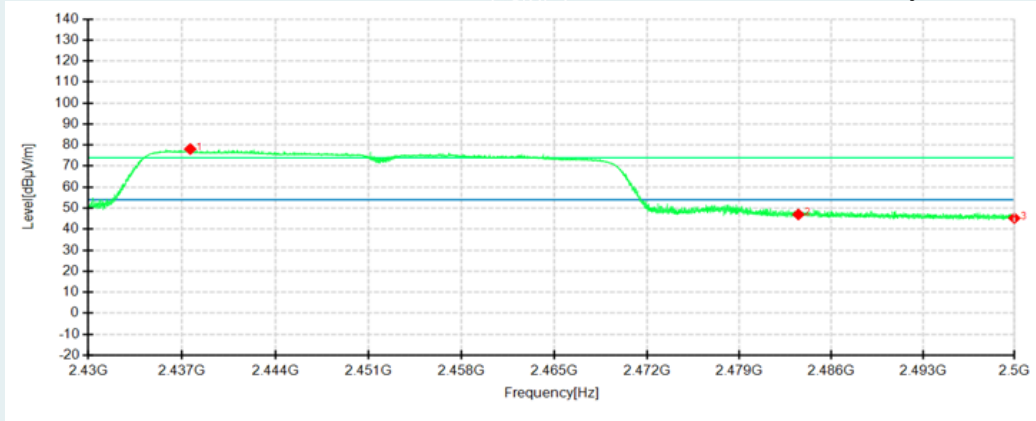
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



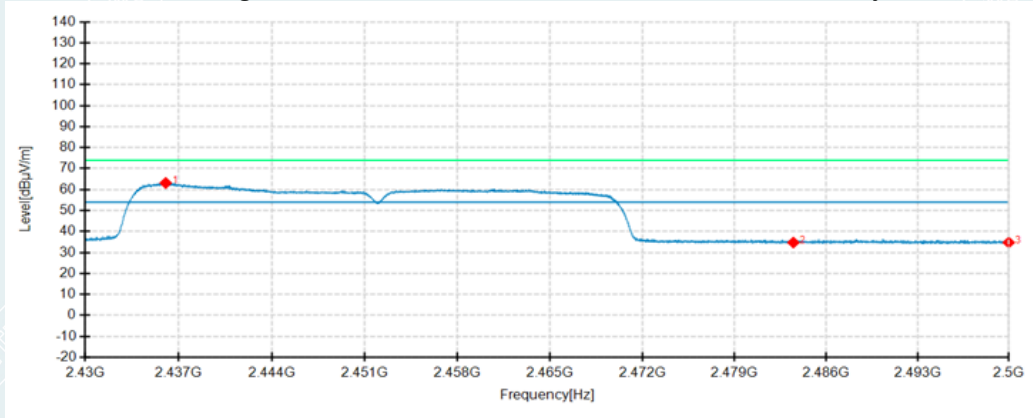
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2436.8950	71.22	74.69	3.47	74.00	-0.69	100	12	Horizontal	No limit
2	2483.5000	42.10	45.66	3.56	74.00	28.34	100	2	Horizontal	/
3	2500.0000	43.35	46.93	3.58	74.00	27.07	100	7	Horizontal	/
1	2437.6213	74.65	78.12	3.47	74.00	-4.12	100	6	Vertical	No limit
2	2483.5000	43.41	46.97	3.56	74.00	27.03	100	2	Vertical	/
3	2500.0000	41.65	45.23	3.58	74.00	28.77	100	1	Vertical	/

802.11n HT40 mode**Highest Channel**

Channel 2452MHz

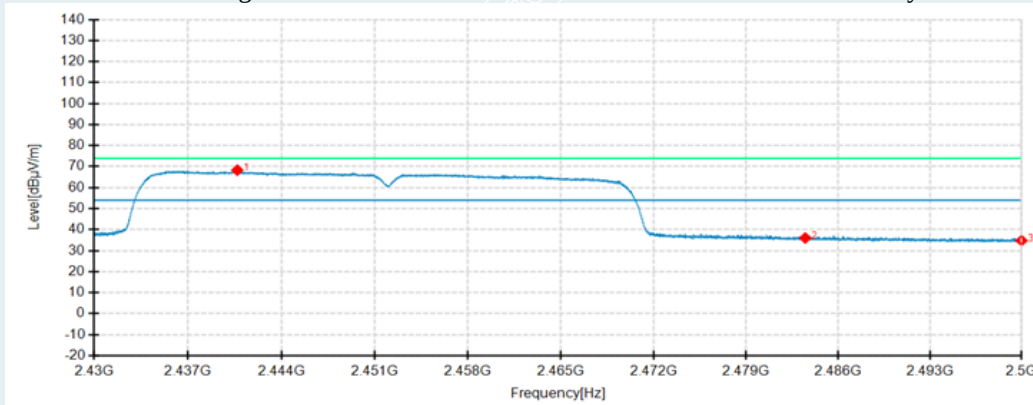
Detector mode: Average

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	2436.0375	59.67	63.13	3.46	54.00	-9.13	100	4	Horizontal	No limit
2	2483.5000	31.15	34.71	3.56	54.00	19.29	100	1	Horizontal	/
3	2500.0000	31.16	34.74	3.58	54.00	19.26	100	2	Horizontal	/
1	2440.6925	64.81	68.29	3.48	54.00	-14.29	100	2	Vertical	No limit
2	2483.5000	32.43	35.99	3.56	54.00	18.01	100	0	Vertical	/
3	2500.0000	31.19	34.77	3.58	54.00	19.23	100	1	Vertical	/

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