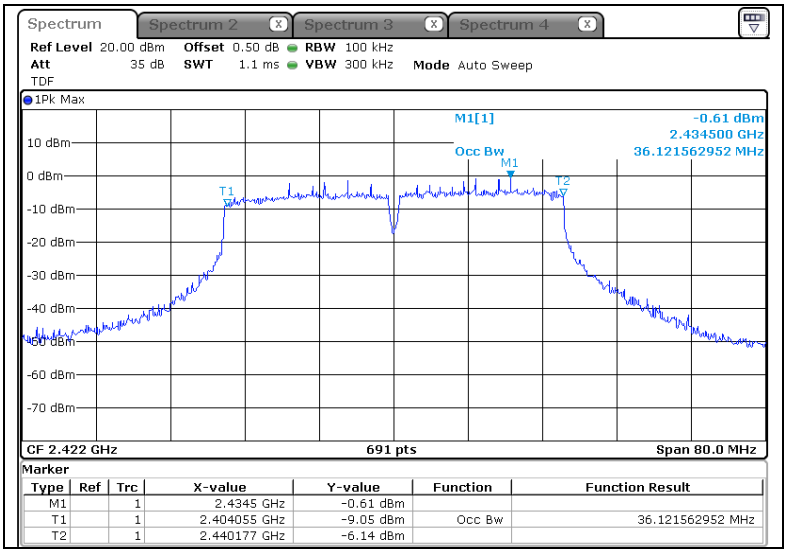
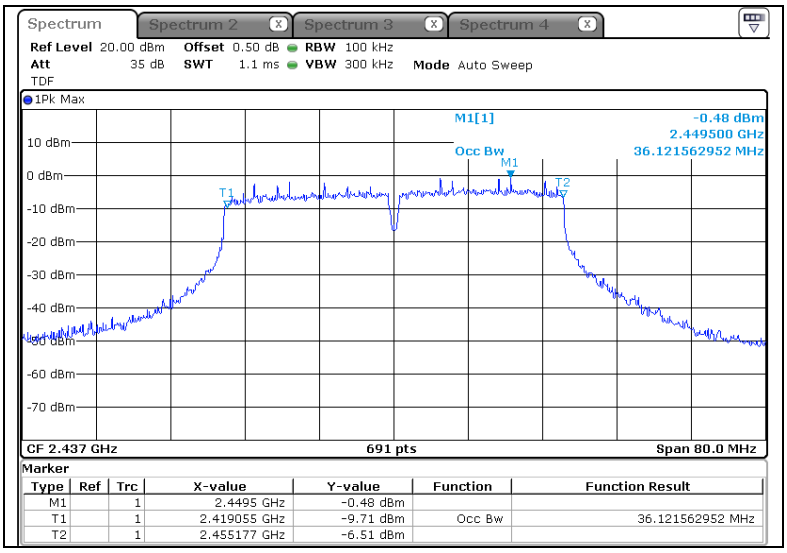
- 802.11n HT40_Occupied Bandwidth

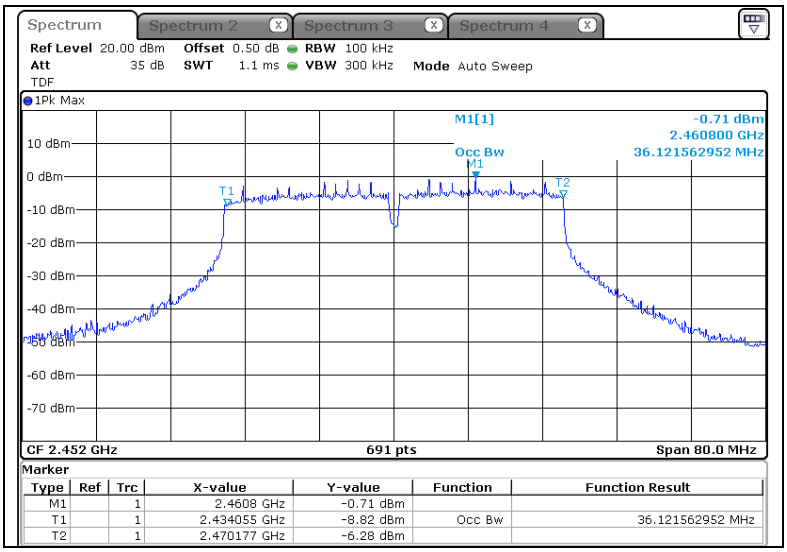
Lowest Channel(2 422 ㎒)



Middle Channel (2 437 ㎒)



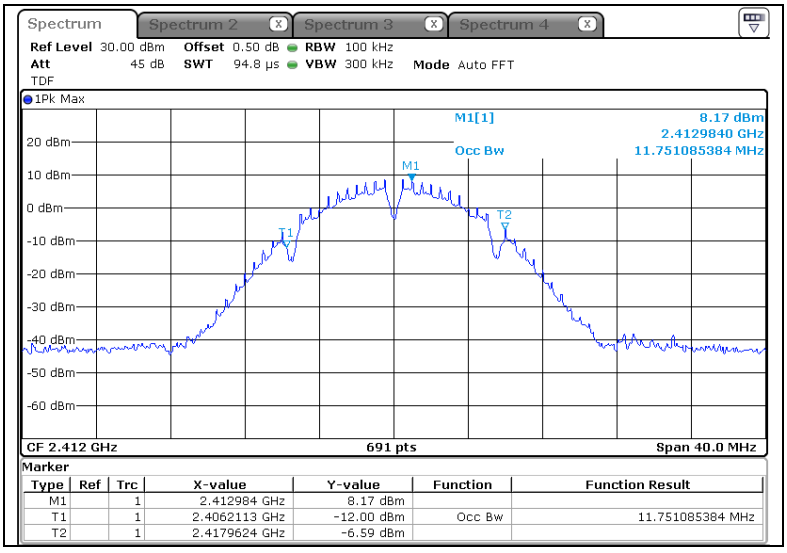
Highest Channel (2 452 ㎒)



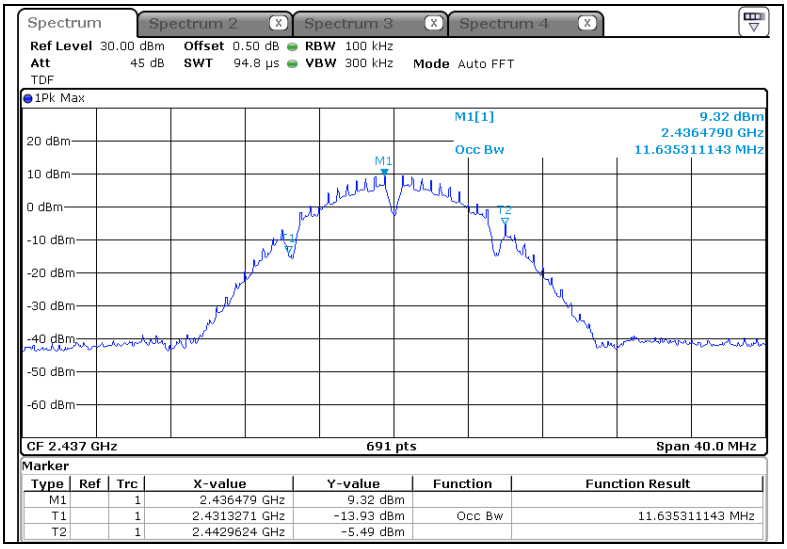
- ANT 2

- 802.11b_Occupied Bandwidth

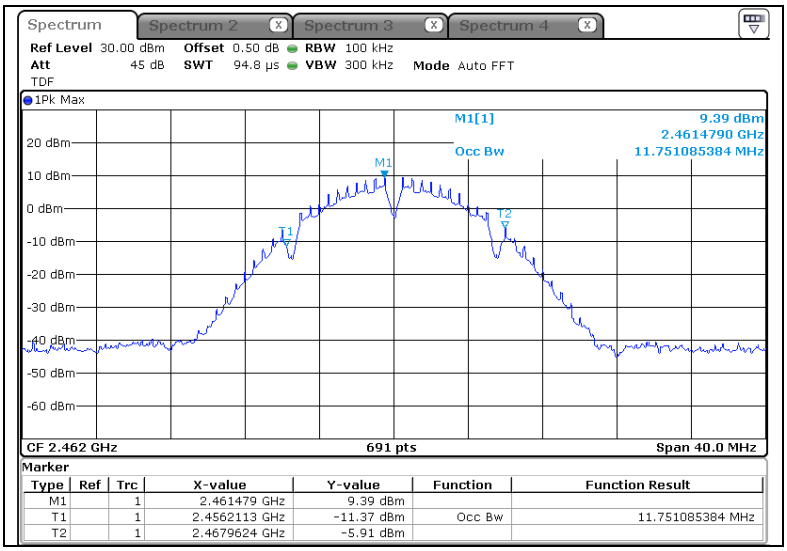
Lowest Channel (2 412 ㎒)



Middle Channel (2 437 ㎒)

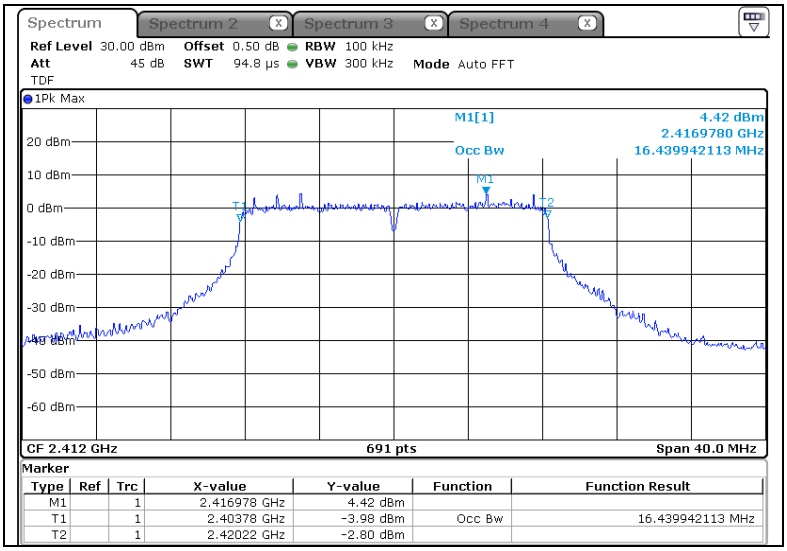


Highest Channel (2 462 ㎒)

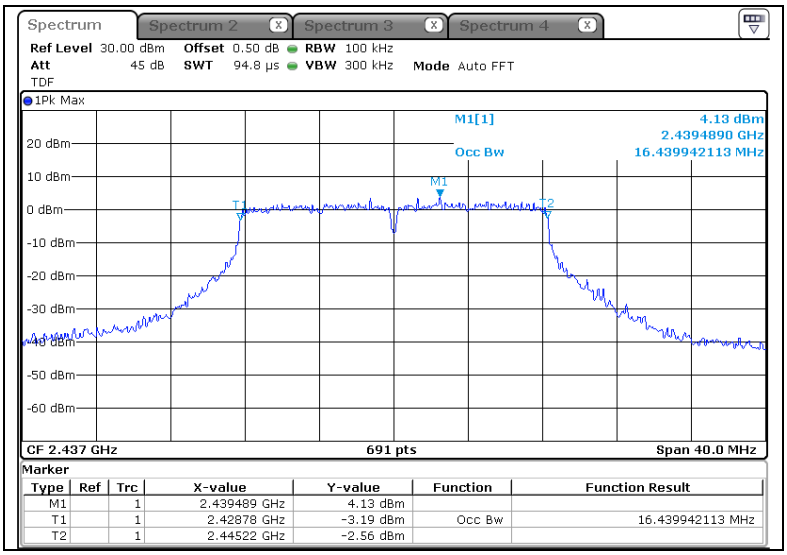


- 802.11g_Occupied Bandwidth

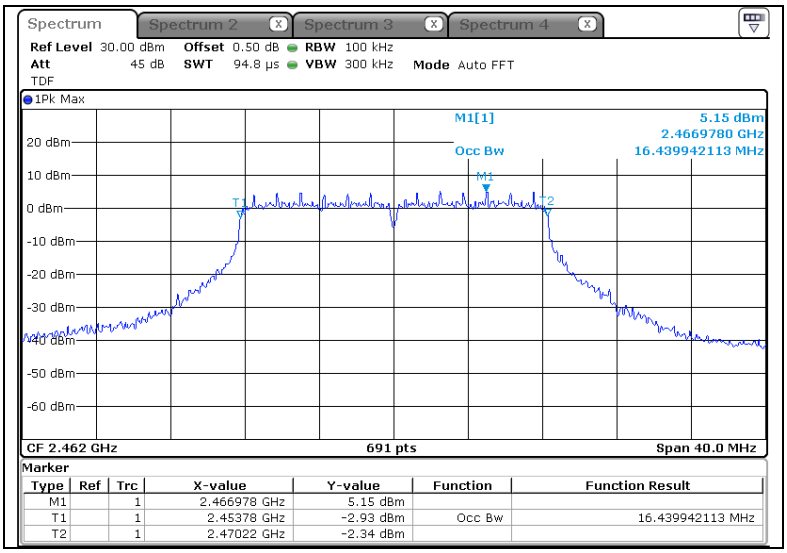
Lowest Channel (2 412 ㎒)



Middle Channel (2 437 ㎒)

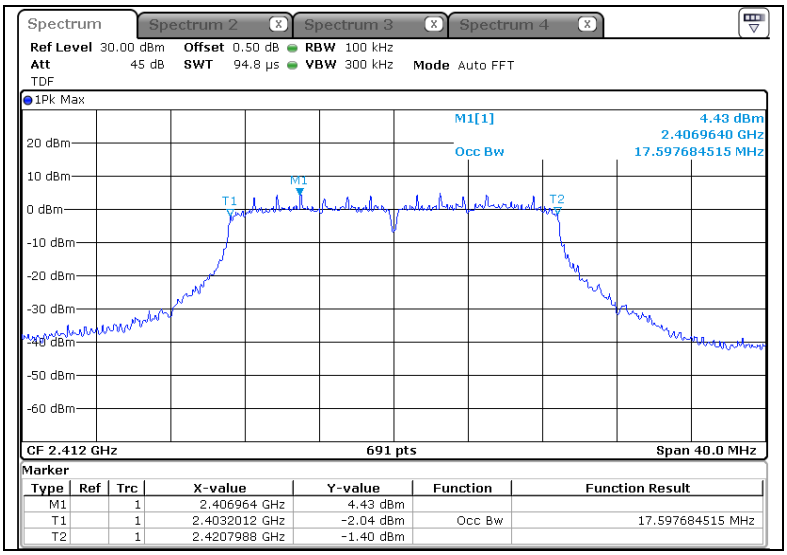


Highest Channel (2 462 ㎒)

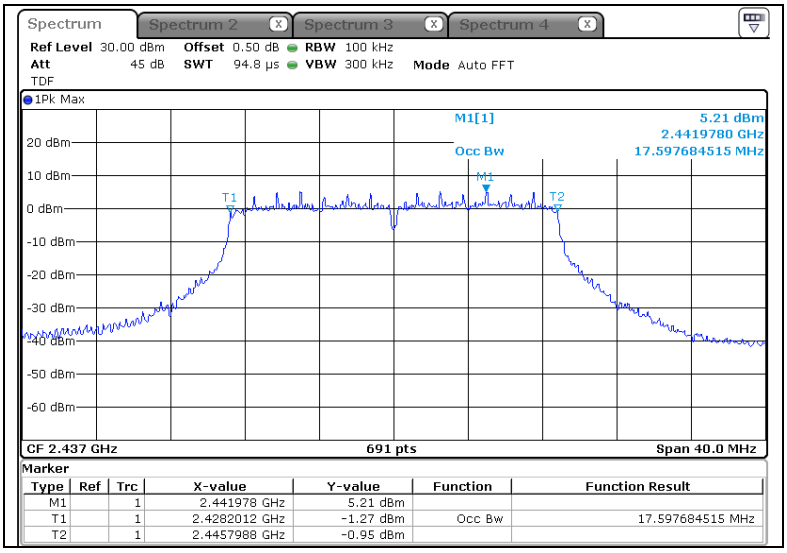


- 802.11n HT20_Occupied Bandwidth

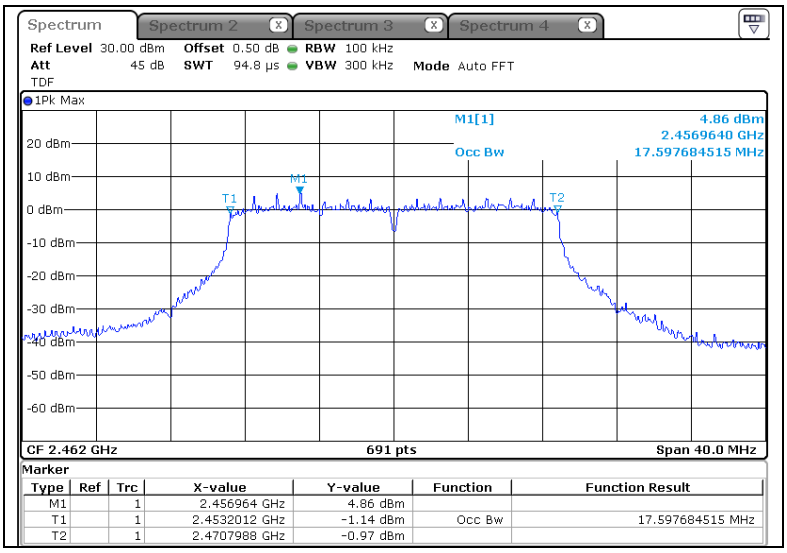
Lowest Channel (2 412 ㎒)



Middle Channel (2 437 ㎒)

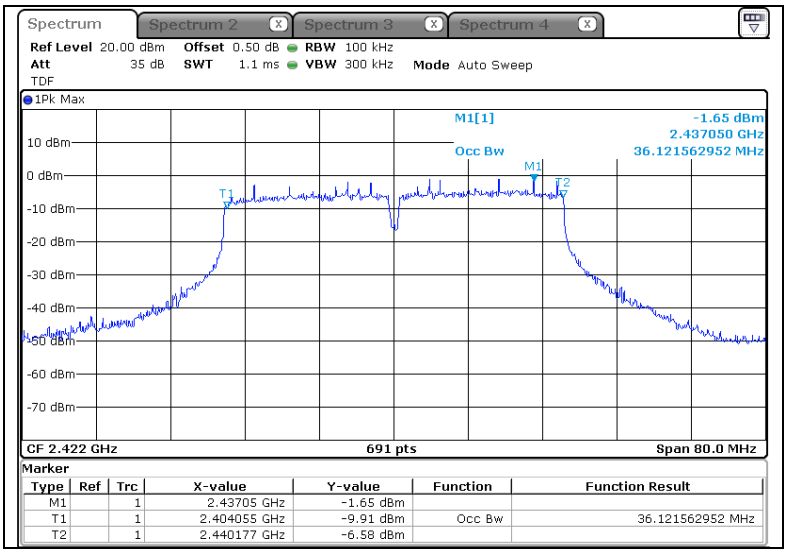


Highest Channel (2 462 ㎒)

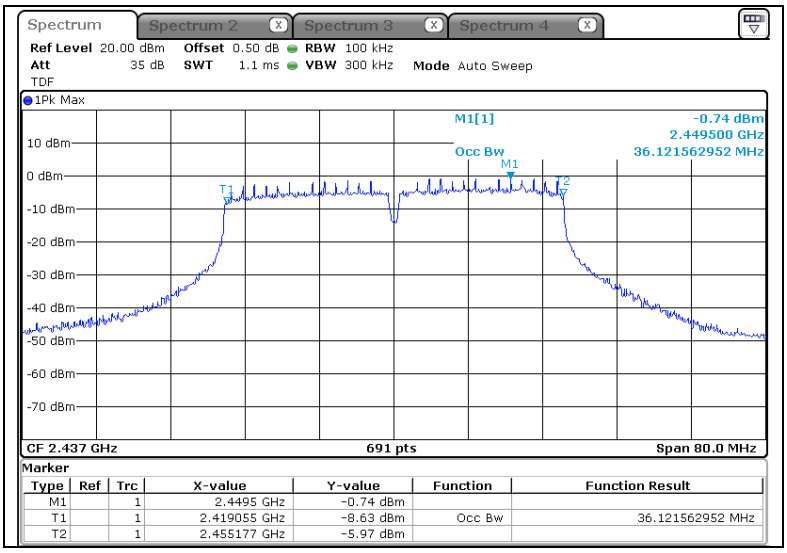


- 802.11n HT40_Occupied Bandwidth

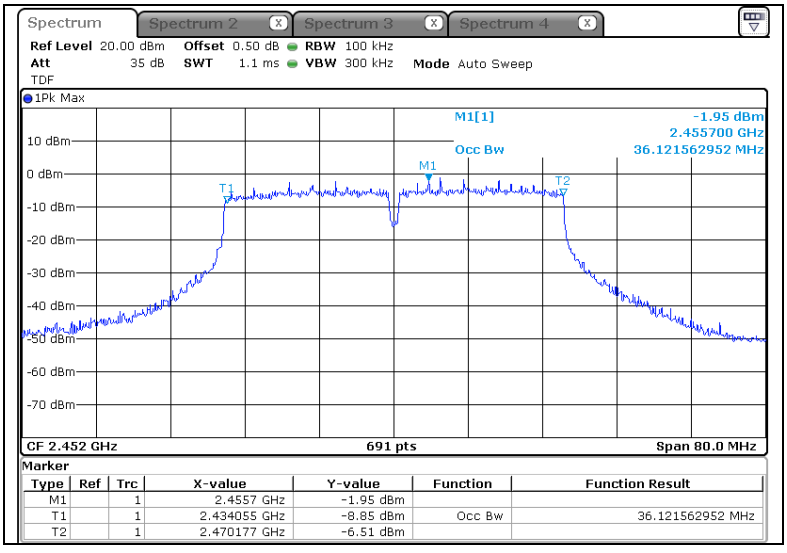
Lowest Channel (2 422 ㎒)



Middle Channel (2 437 ㎒)



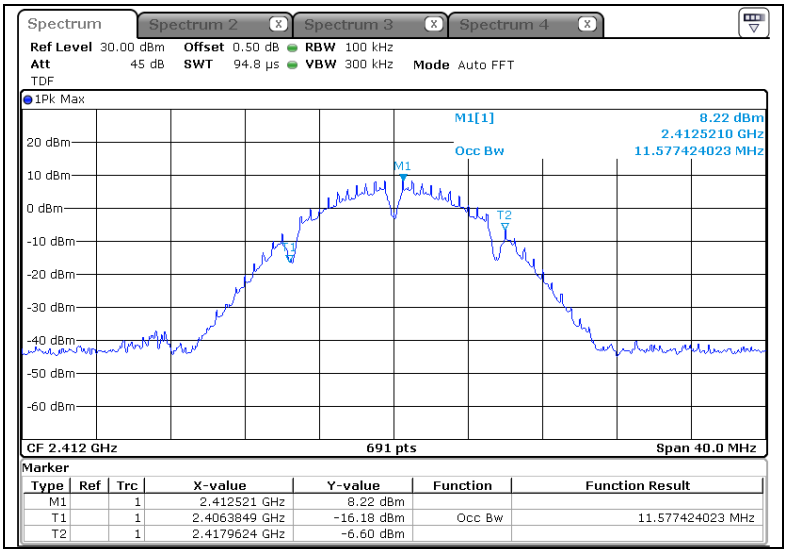
Highest Channel (2 452 ㎒)



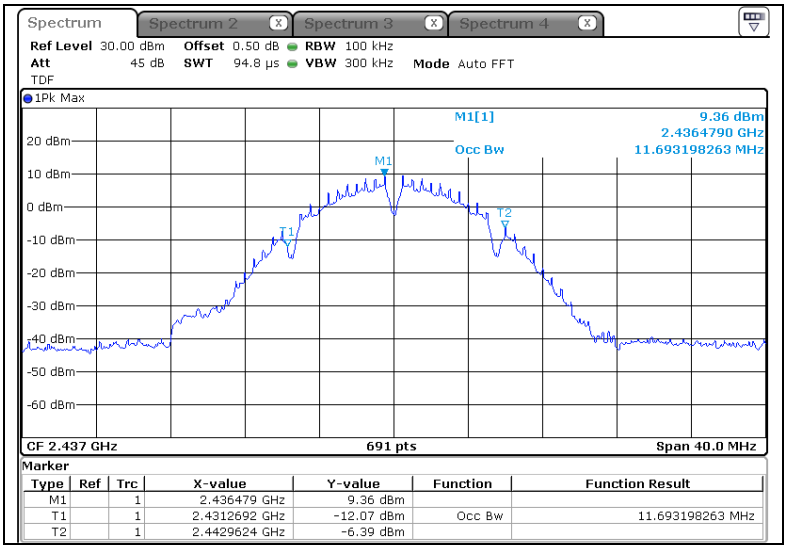
- ANT 3

- 802.11b_Occupied Bandwidth

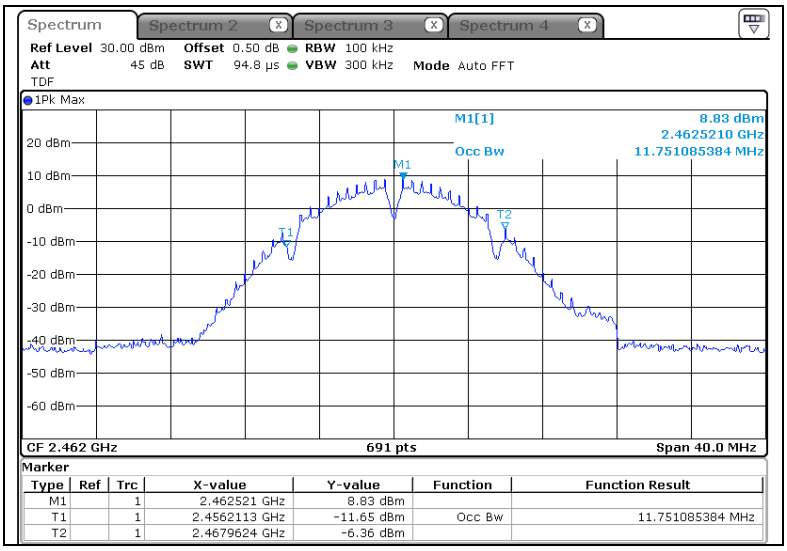
Lowest Channel (2 412 ㎒)



Middle Channel (2 437 ㎒)

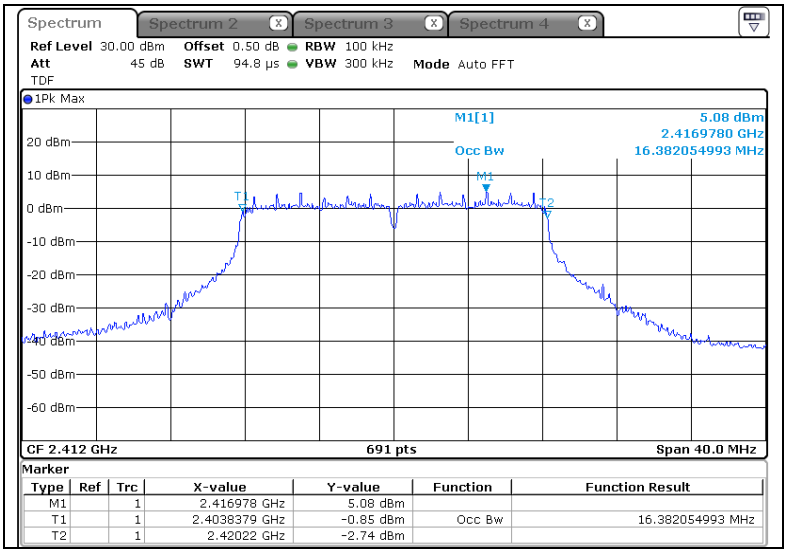


Highest Channel (2 462 ㎒)

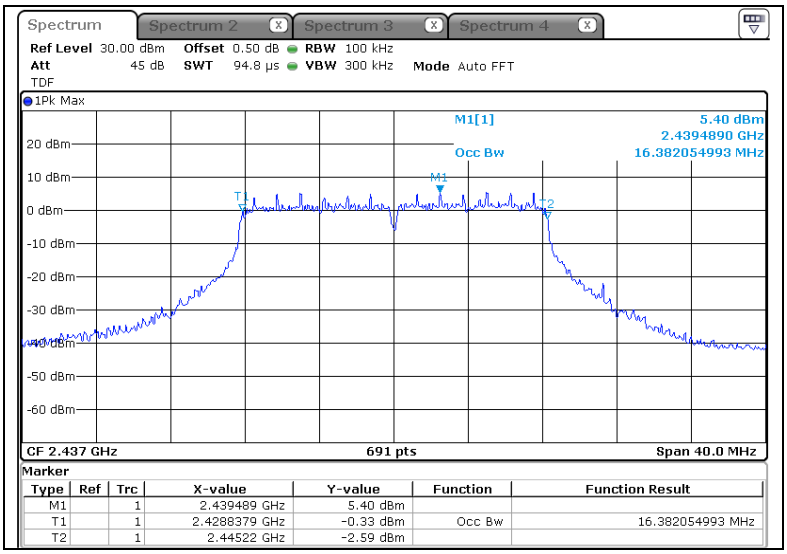


- 802.11g_Occupied Bandwidth

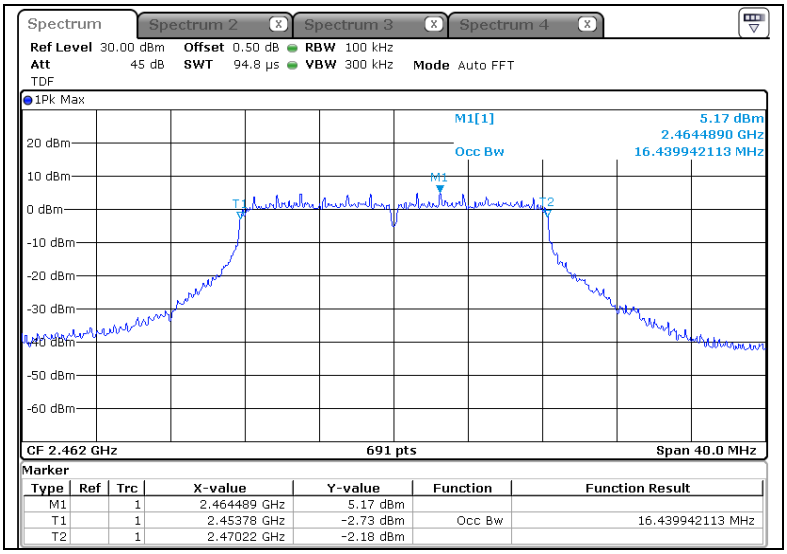
Lowest Channel (2 412 ㎒)



Middle Channel (2 437 ㎒)

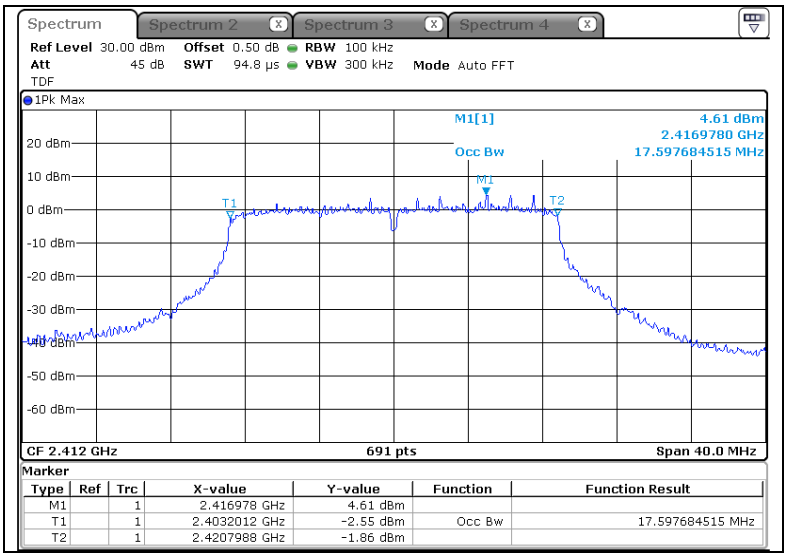


Highest Channel (2 462 ㎒)

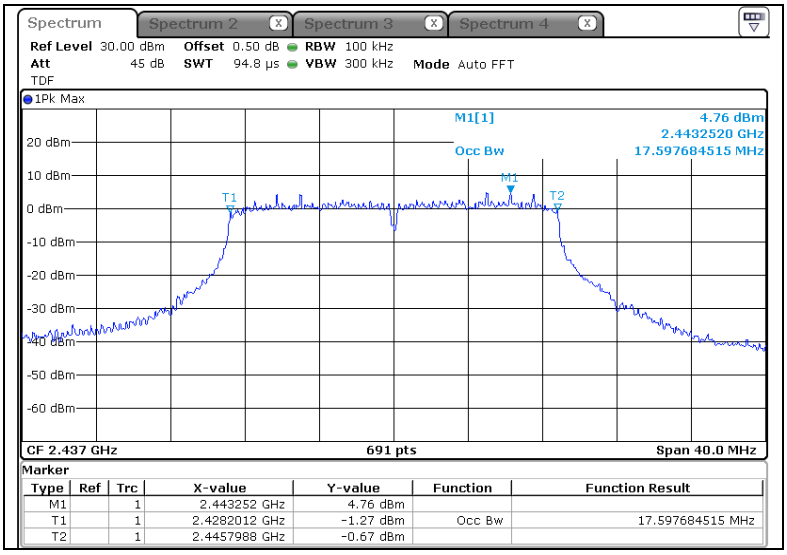


- 802.11n HT20_Occupied Bandwidth

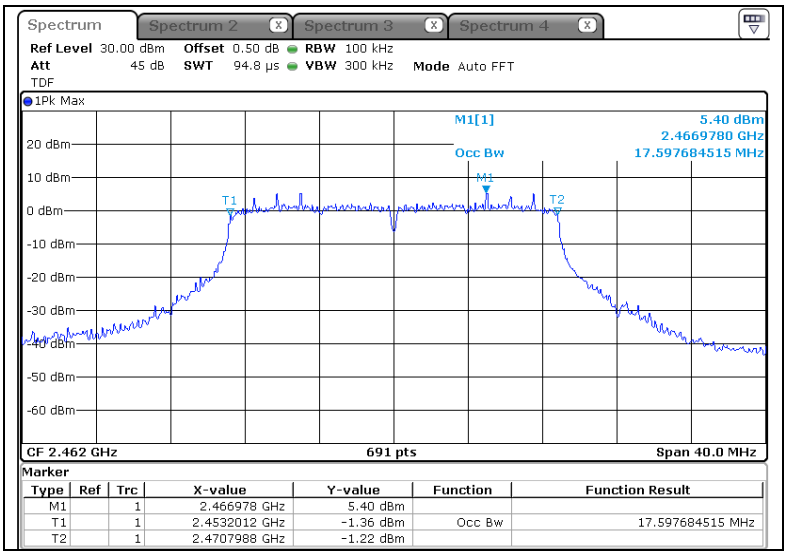
Lowest Channel (2 412 ㎒)



Middle Channel (2 437 ㎒)

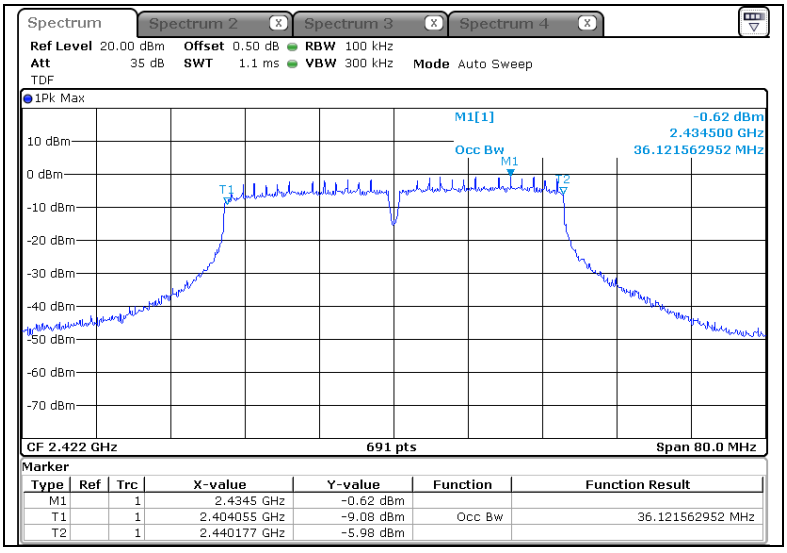


Highest Channel (2 462 ㎒)

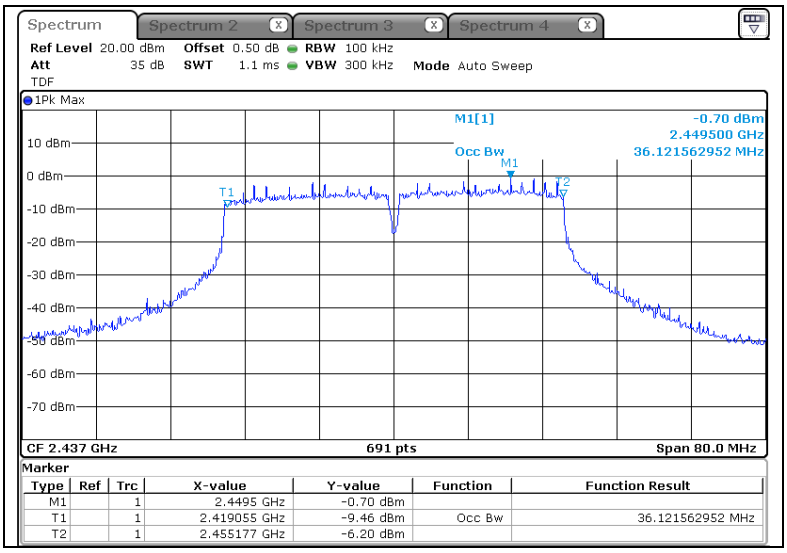


- 802.11n HT40_Occupied Bandwidth

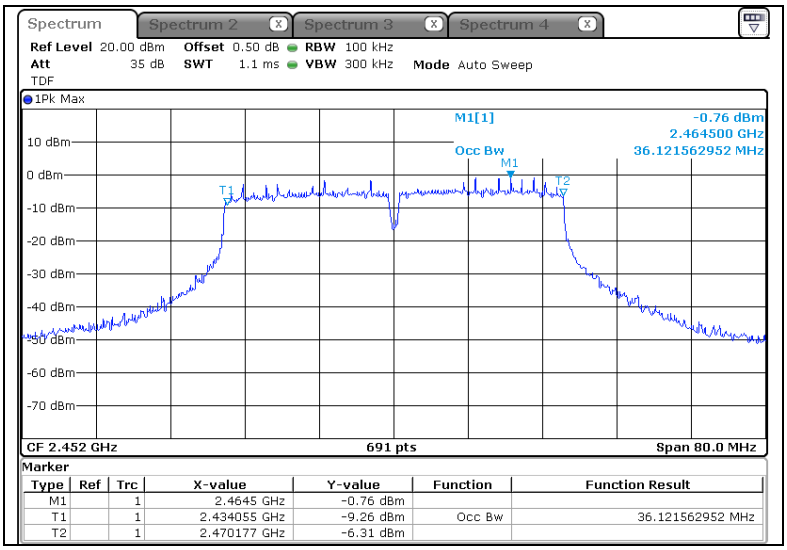
Lowest Channel (2 422 ㎒)



Middle Channel (2 437 ㎒)



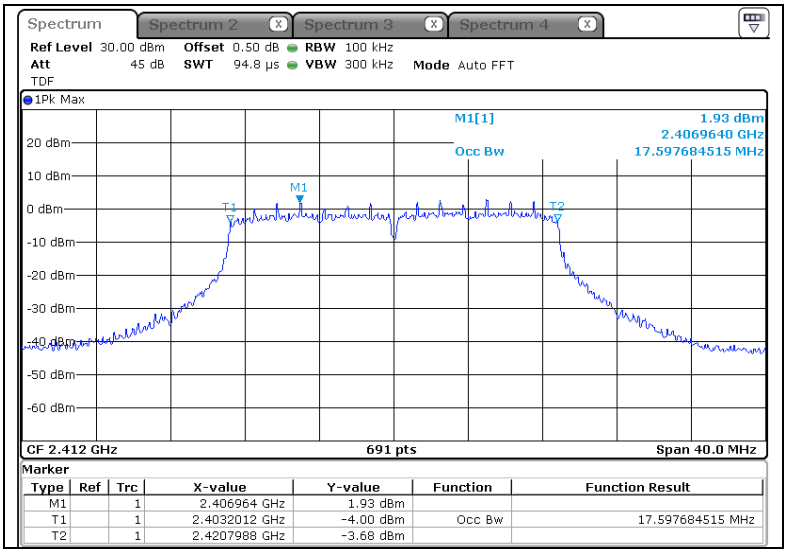
Highest Channel (2 452 ㎒)



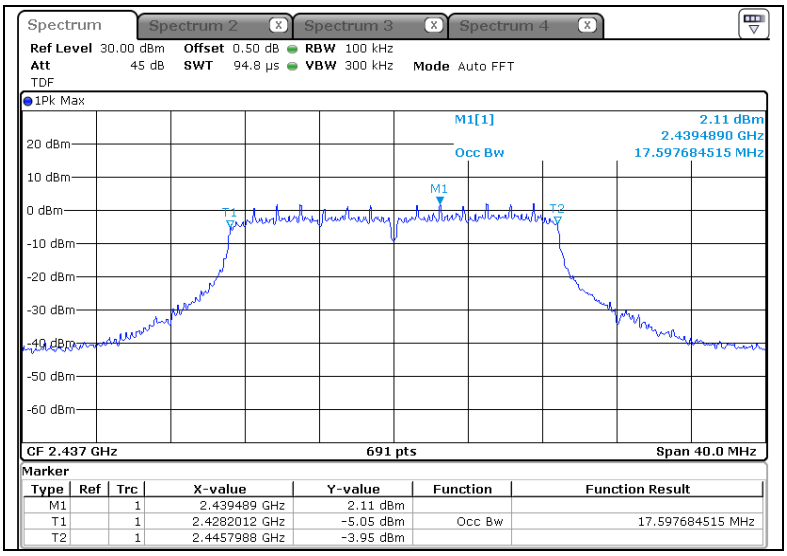
- MIMO (ANT 1+2)

- 802.11n HT20_Occupied Bandwidth

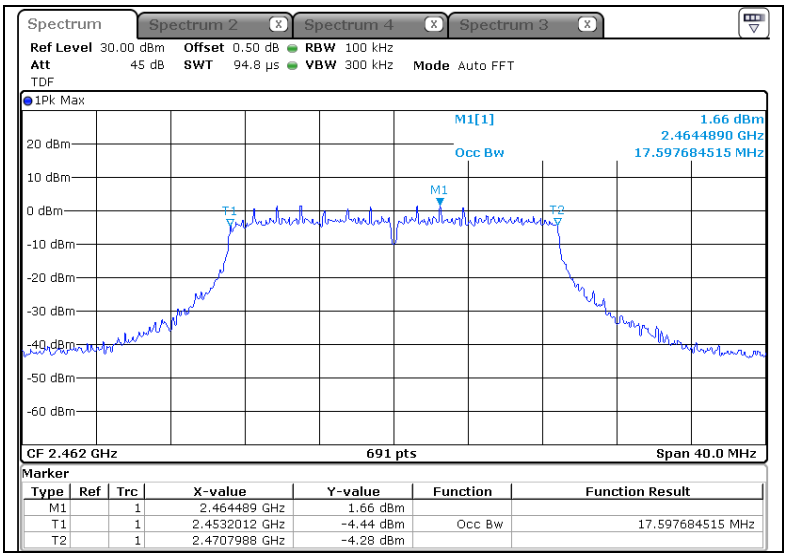
Lowest Channel (2 412 ㎒)



Middle Channel (2 437 ㎒)

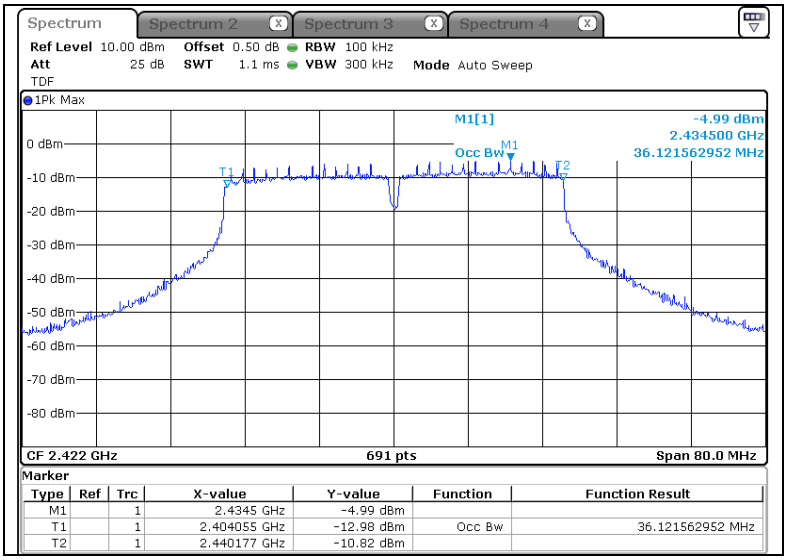


Highest Channel (2 462 ㎒)

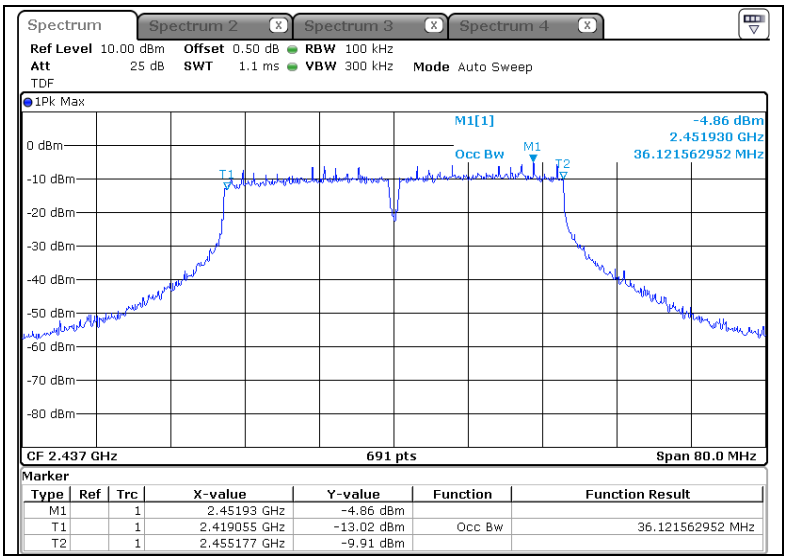


- 802.11n HT40_Occupied Bandwidth

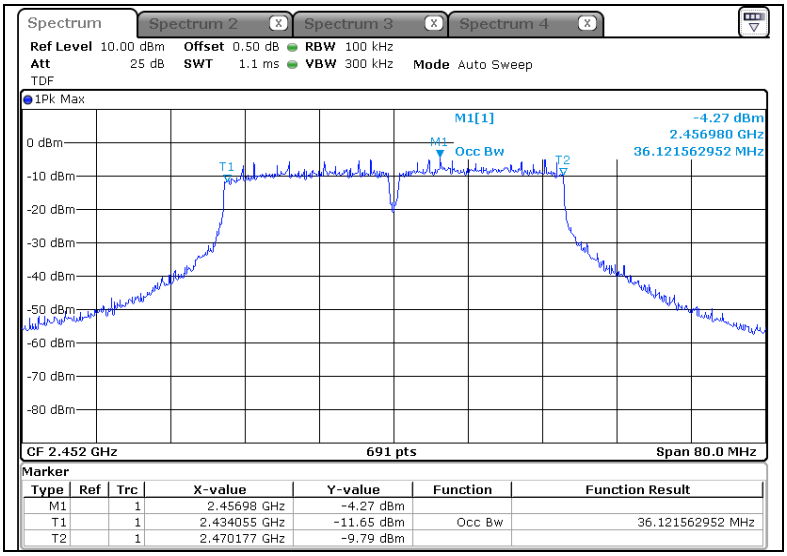
Lowest Channel (2 422 ㎒)



Middle Channel (2 437 ㎒)



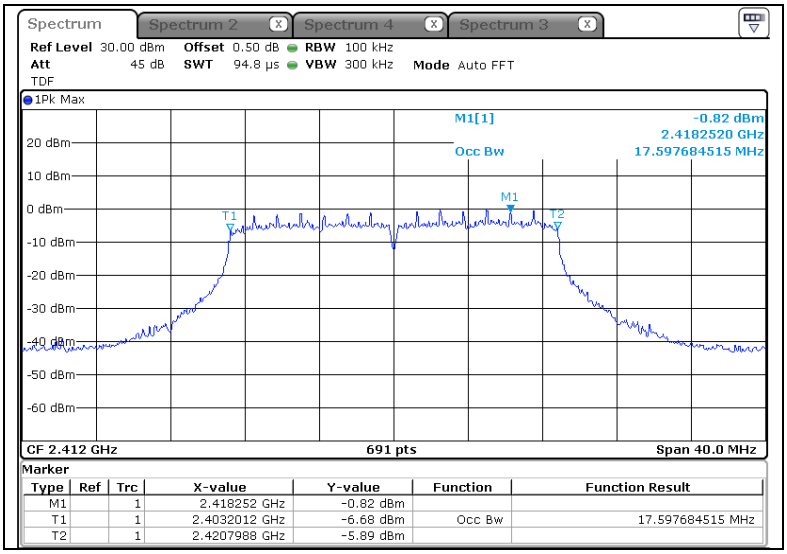
Highest Channel (2 452 ㎒)



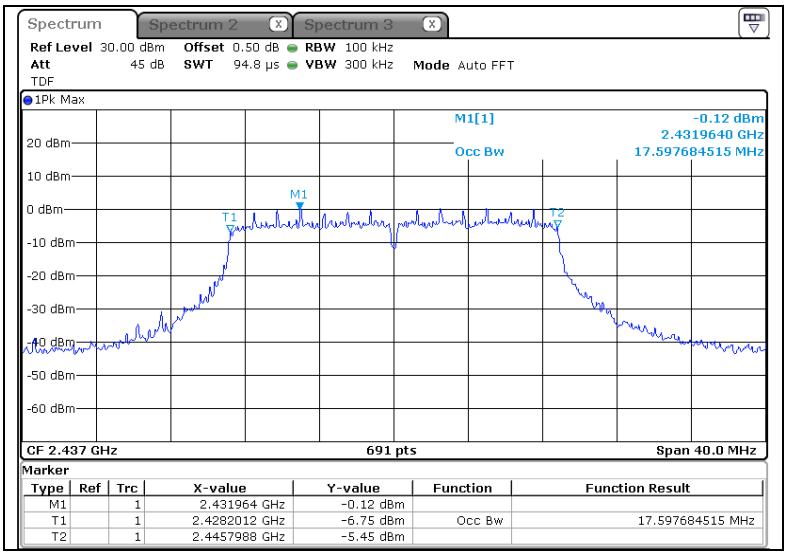
- MIMO (ANT 1+2+3)

- 802.11n HT20_Occupied Bandwidth

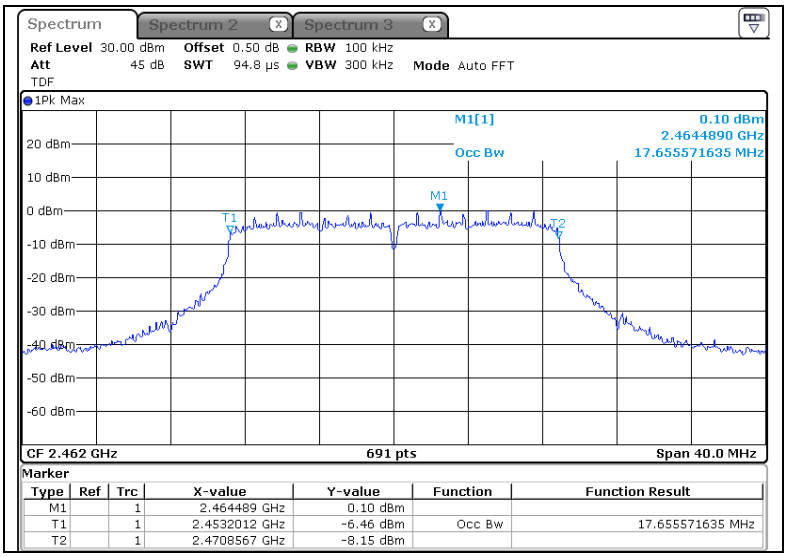
Lowest Channel (2 412 ㎒)



Middle Channel (2 437 ㎒)

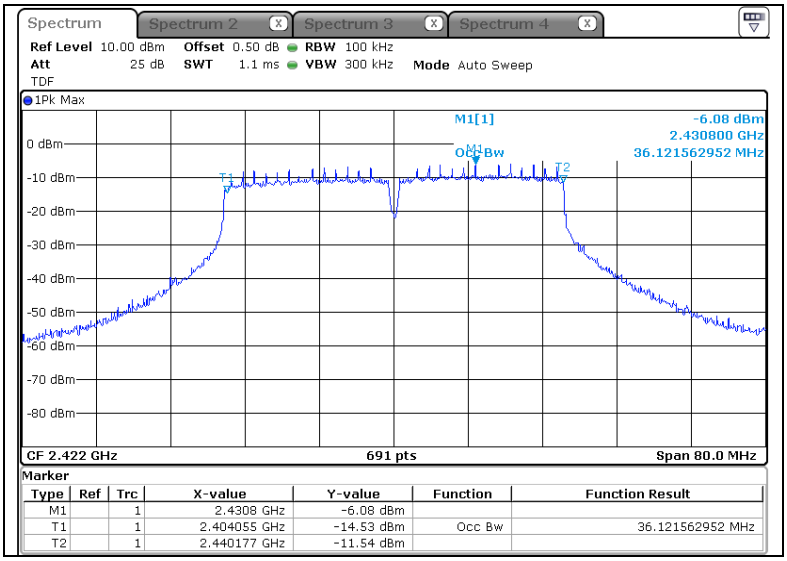


Highest Channel (2 462 ㎒)

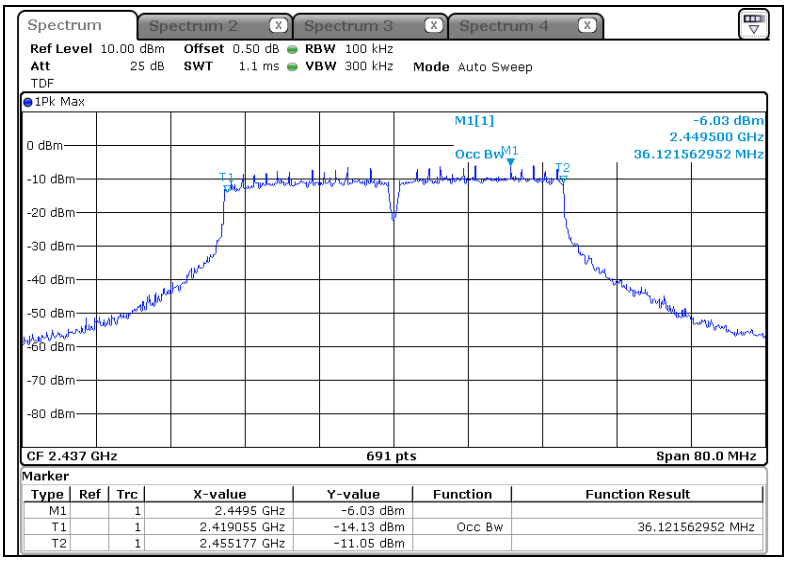


- 802.11n HT40_Occupied Bandwidth

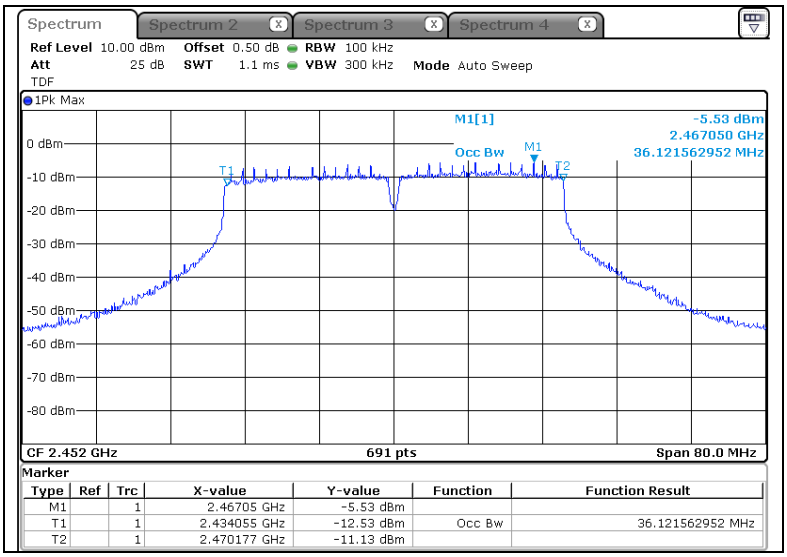
Lowest Channel (2 422 ㎒)



Middle Channel (2 437 ㎒)



Highest Channel (2 452 ㎒)



5.5 Spurious Emission, Band Edge, and Restricted bands

5.5.1 Regulation

According to §15.247(d), in any 100 ㎑ 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 ㏈ below that in the 100 ㎑ 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 ㏈ instead of 20 ㏈. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

According to §15.209(a), Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall notexceed the field strength levels specified in the following table:

Frequency (㎒)	Field strength (㎶/m)	Measurement distance (m)
0.009 - 0.490	2 400/F(㎑)	300
0.490 - 1.705	24 000/F(㎑)	30
1.705 - 30	30	30
30 - 88	100**	3
88 - 216	150**	3
216 - 960	200**	3
Above 960	500	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 ㎒, 76–88 ㎒, 174–216 ㎒ or 470–806 ㎒. However, operation within these frequency bands is permItted under other sections of this part, e.g., §§15.231 and 15.241.

According to § 15.205(a) and (b), only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.009 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
0.495 - 0.505	16.694 75 - 16.695 25	608 - 614	5.35 - 5.46
2.173 5 - 2.190 5	16.804 25 - 16.804 75	960 – 1 240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1 300 – 1 427	8.025 - 8.5
4.177 25 - 4.177 75	37.5 - 38.25	1 435 – 1 626.5	9.0 - 9.2
4.207 25 - 4.207 75	73 - 74.6	1 645.5 – 1 646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1 660 – 1 710	10.6 - 12.7
6.267 75 - 6.268 25	108 - 121.94	1 718.8 – 1 722.2	13.25 - 13.4
6.311 75 - 6.312 25	123 - 138	2 200 – 2 300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2 310 – 2 390	15.35 - 16.2
8.362 - 8.366	156.524 75 - 156.525 25	2 483.5 – 2 500	17.7 - 21.4
8.376 25 - 8.386 75	156.7 - 156.9	2 690 – 2 900	22.01 - 23.12
8.414 25 - 8.414 75	162.012 5 - 167.17	3 260 – 3 267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3 332 – 3 339	31.2 - 31.8
12.519 75 - 12.520 25	240 - 285	3 345.8 – 3 358	36.43 - 36.5
12.576 75 - 12.577 25	322 - 335.4	3 600 – 4 400	Above 38.6
13.36 - 13.41			

The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1 000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1 000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

5.5.2 Measurement Procedure

5.5.2.1 Band-edge Compliance of RF Conducted Emissions

5.5.2.1.1 Reference Level Measurement

Establish a reference level by using the following procedure:

1) Set instrument center frequency to DTS channel center frequency.
2) Set the span to ≥ 1.5 times the DTS bandwidth.
3) Set the RBW = 100 ㎑.
4) Set the VBW ≥ 3 x RBW.
5) Detector = peak.
6) Sweep time = auto couple.
7) Trace mode = max hold.
8) Allow trace to fully stabilize.
9) Use the peak marker function to determine the maximum PSD level.

5.5.2.1.2 Emissions Level Measurement

1) Set the center frequency and span to encompass frequency range to be measured.
2) Set the RBW = 100 ㎑.
3) Set the VBW ≥ 3 x RBW.
4) Detector = peak.
5) Ensure that the number of measurement points ≥ span/RBW
6) Sweep time = auto couple.
7) Trace mode = max hold.
8) Allow trace to fully stabilize.
9) Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements specified in 11.1 a) or 11.1 b). Report the three highest emissions relative to the limit.

5.5.2.2 Conducted Spurious Emissions

Set the spectrum analyzer as follows:

1) Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.
2) RBW = 100 ㎑
3) VBW ≥ RBW
4) Sweep = auto
5) Detector function = peak
6) Trace = max hold
7) Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded.
8) Each frequency found during preliminary measurements was re-examined and investigated. The test-receiver system was set up to average, peak, and quasi-peak detector function with specified bandwidth.

5.5.2.3 Radiated Spurious Emissions

1) The preliminary and final rdiated measurements were performed to determine the frequency producing the maximum emissions in at a 10m anechoic chamber. The EUT was tested at a distance 3 meters.
2) The EUT was placed on the top of the 0.8-meter height, 1 × 1.5 meter non-metallic table. To find the maximum emission levels, the height of a measuring antenna was changed and the turntable was rotated 360°.
3) The antenna polarization was also changed from vertical to horizontal. The spectrum was scanned from 9 ㎑ to 30 ㎒ using the loop antenna, and from 30 to 1 000 ㎒ using the TRILOG broadband antenna, and from 1 000 ㎒ to 26 500 ㎒ using the horn antenna.
4) Each frequency found during preliminary measurements was re-examined and investigated. The test-receiver system was set up to average, peak, and quasi-peak detector function with specified bandwidth.
5) The 0.8m height is for below 1 G testing, and 1.5m is for above 1G testing.

Note

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 ㎑ for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1 ㎓.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 ㎒ for Peak detection and frequency above 1 ㎓.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 ㎒ and the video bandwidth is 3 ㎒ for Average detection (AV) at frequency above 1 ㎓. (Detector = RMS, Averaging type = power)
   In case of duty cycle less than 98%, a duty cycle correction factor has to be added to the measurement result.

5.5.3 Test Result

- Complied

1. Band edge & Conducted Spurious Emissions was shown in figure 3 & 4.
   Note: We took the insertion loss of the cable into consideration within the measuring instrument.
2. Measured value of the Field strength of spurious Emissions (Radiated)
3. It tested x,y and z – 3 axis each, mentioned only worst case data at this report.

※ Noise was not measured. (Margin was more than 20 ㏈)

- Below 1 ㎓ data (worst-case: 802.11b)

Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Quasi-Peak DATA. Emissions below 30 ㎒ (3m Distance)										
Below 30.00	Not Detected	-	-	-	-	-	-	-	-	-
Quasi-Peak DATA. Emissions below 1 ㎓										
55.95	120	V	42.80	-1.36	-29.21	13.57	-17.00	25.80	40.00	14.20
155.01	120	H	57.10	-2.77	-26.93	8.60	-21.10	36.00	43.50	7.50
162.04	120	H	58.00	-2.76	-26.82	8.88	-20.70	37.30	43.50	6.20
222.06	120	H	51.30	-2.97	-25.74	11.91	-16.80	34.50	46.00	11.50
625.10	120	V	37.10	-5.76	-20.92	19.38	-7.30	29.80	46.00	16.20
900.09	120	H	41.90	-7.14	-18.06	22.20	-3.00	38.90	46.00	7.10
Above 910.00	Not Detected	-	-	-	-	-	-	-	-	-

Note: Worst value of noise floor was recorded.

- Above 1 ㎓ data

- ANT 1

802.11b_Lowest channel (2 412 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 625.00	1 000	H	46.40	2.33	-33.94	29.91	-1.70	44.70	74.00	29.30
2 323.00 [1)]	1 000	H	41.60	6.38	-34.10	31.12	3.40	45.00	74.00	29.00
2 793.00	1 000	V	42.60	6.91	-34.94	31.83	3.80	46.40	74.00	27.60
4 822.50	1 000	H	53.70	7.17	-46.03	34.66	-4.20	49.50	74.00	24.50
7 237.50	1 000	V	51.30	8.42	-45.99	35.87	-1.70	49.60	74.00	24.40
21 630.00	1 000	V	49.80	13.20	-47.30	45.90	11.80	61.60	74.00	12.40
24 613.75	1 000	H	44.00	14.30	-47.50	45.20	12.00	56.00	74.00	18.00
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 625.00	1 000	H	32.60	2.33	-33.94	29.91	-1.70	30.90	54.00	32.60
2 323.00 [1)]	1 000	H	30.20	6.38	-34.10	31.12	3.40	33.60	54.00	30.20
2 793.00	1 000	V	26.30	6.91	-34.94	31.83	3.80	30.10	54.00	26.30
4 822.50	1 000	H	49.60	7.17	-46.03	34.66	-4.20	45.40	54.00	8.60
7 237.50	1 000	V	43.20	8.42	-45.99	35.87	-1.70	41.50	54.00	12.50
21 630.00	1 000	V	35.90	13.20	-47.30	45.90	11.80	47.70	54.00	6.30
24 613.75	1 000	H	36.00	14.30	-47.50	45.20	12.00	48.00	54.00	6.00
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11b_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 625.00	1 000	H	46.20	2.33	-33.94	29.91	-1.70	44.50	74.00	29.50
2 622.75	1 000	V	42.30	6.87	-34.64	31.57	3.80	46.10	74.00	27.90
4 822.50	1 000	H	53.70	7.17	-46.03	34.66	-4.20	49.50	74.00	24.50
7 237.50	1 000	V	51.30	8.42	-45.99	35.87	-1.70	49.60	74.00	24.40
21 586.00	1 000	H	45.70	13.20	-46.10	45.90	13.00	58.70	74.00	15.30
24 336.00	1 000	H	44.80	14.10	-47.10	45.10	12.10	56.90	74.00	17.10
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 625.00	1 000	H	34.30	2.33	-33.94	29.91	-1.70	32.60	54.00	21.40
2 622.75	1 000	V	28.80	6.87	-34.64	31.57	3.80	32.60	54.00	21.40
4 822.50	1 000	H	49.60	7.17	-46.03	34.66	-4.20	45.40	54.00	8.60
7 237.50	1 000	V	43.20	8.42	-45.99	35.87	-1.70	41.50	54.00	12.50
21 586.00	1 000	H	34.40	13.20	-46.10	45.90	13.00	47.40	54.00	6.60
24 336.00	1 000	H	35.80	14.10	-47.10	45.10	12.10	47.90	54.00	6.10
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11b_Highest channel (2 462 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 625.00	1 000	H	45.30	2.33	-33.94	29.91	-1.70	43.60	74.00	30.40
2 490.50 [1)]	1 000	H	43.40	6.62	-34.40	31.38	3.60	47.00	74.00	27.00
2 798.50	1 000	V	42.30	6.91	-34.95	31.84	3.80	46.10	74.00	27.90
4 923.75	1 000	H	55.00	7.23	-46.26	34.83	-4.20	50.80	74.00	23.20
7 383.75	1 000	H	53.20	8.52	-45.86	35.84	-1.50	51.70	74.00	22.30
21 682.25	1 000	H	48.20	13.30	-47.40	45.90	11.80	60.00	74.00	14.00
24 726.50	1 000	H	45.60	14.30	-47.50	45.30	12.10	57.70	74.00	16.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 625.00	1 000	H	31.20	2.33	-33.94	29.91	-1.70	29.50	54.00	24.50
2 490.50 [1)]	1 000	H	32.90	6.62	-34.40	31.38	3.60	36.50	54.00	17.50
2 798.50	1 000	V	28.60	6.91	-34.95	31.84	3.80	32.40	54.00	21.60
4 923.75	1 000	H	50.40	7.23	-46.26	34.83	-4.20	46.20	54.00	7.80
7 383.75	1 000	H	49.40	8.52	-45.86	35.84	-1.50	47.90	54.00	6.10
21 682.25	1 000	H	35.80	13.30	-47.40	45.90	11.80	47.60	54.00	6.40
24 726.50	1 000	H	35.60	14.30	-47.50	45.30	12.10	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11g_Lowest channel (2 412 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 124.75	1 000	H	48.00	3.85	-34.49	28.94	-1.70	46.30	74.00	27.70
2 389.25 [1)]	1 000	H	57.20	6.50	-34.22	31.22	3.50	60.70	74.00	13.30
2 867.75	1 000	V	42.70	6.73	-35.07	31.94	3.60	46.30	74.00	27.70
4 820.63	1 000	H	51.10	7.17	-46.03	34.66	-4.20	46.90	74.00	27.10
7 226.25	1 000	H	50.20	8.41	-45.98	35.87	-1.70	48.50	74.00	25.50
21 542.00	1 000	V	47.00	13.20	-47.40	46.00	11.80	58.80	74.00	15.20
24 935.50	1 000	V	44.00	14.40	-47.30	45.40	12.50	56.50	74.00	17.50
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 124.75	1 000	H	35.50	3.85	-34.49	28.94	-1.70	33.80	54.00	20.20
2 389.25 [1)]	1 000	H	41.30	6.50	-34.22	31.22	3.50	44.80	54.00	9.20
2 867.75	1 000	V	28.40	6.73	-35.07	31.94	3.60	32.00	54.00	22.00
4 820.63	1 000	H	43.10	7.17	-46.03	34.66	-4.20	38.90	54.00	15.10
7 226.25	1 000	H	41.90	8.41	-45.98	35.87	-1.70	40.20	54.00	13.80
21 542.00	1 000	V	36.10	13.20	-47.40	46.00	11.80	47.90	54.00	6.10
24 935.50	1 000	V	35.20	14.40	-47.30	45.40	12.50	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11g_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	46.90	3.85	-34.49	28.94	-1.70	45.20	74.00	28.80
2 717.25	1 000	V	42.20	6.99	-34.81	31.72	3.90	46.10	74.00	27.90
4 878.75	1 000	H	51.40	7.20	-46.16	34.76	-4.20	47.20	74.00	26.80
7 310.63	1 000	H	53.30	8.47	-45.93	35.86	-1.60	51.70	74.00	22.30
21 511.75	1 000	V	46.90	13.10	-47.20	46.00	11.90	58.80	74.00	15.20
24 239.75	1 000	V	44.30	14.10	-47.60	45.00	11.50	55.80	74.00	18.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	34.50	3.85	-34.49	28.94	-1.70	32.80	54.00	21.20
2 717.25	1 000	V	29.20	6.99	-34.81	31.72	3.90	33.10	54.00	20.90
4 878.75	1 000	H	43.30	7.20	-46.16	34.76	-4.20	39.10	54.00	14.90
7 310.63	1 000	H	43.50	8.47	-45.93	35.86	-1.60	41.90	54.00	12.10
21 511.75	1 000	V	35.50	13.10	-47.20	46.00	11.90	47.40	54.00	6.60
24 239.75	1 000	V	36.10	14.10	-47.60	45.00	11.50	47.60	54.00	6.40
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11g_Highest channel (2 462 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.25	1 000	H	46.70	3.85	-34.49	28.94	-1.70	45.00	74.00	29.00
2 483.75 [1)]	1 000	H	58.80	6.62	-34.39	31.37	3.60	62.40	74.00	11.60
2 625.75	1 000	V	42.00	6.86	-34.64	31.58	3.80	45.80	74.00	28.20
4 921.88	1 000	H	49.30	7.23	-46.26	34.83	-4.20	45.10	74.00	28.90
7 383.75	1 000	H	52.30	8.52	-45.86	35.84	-1.50	50.80	74.00	23.20
21 800.50	1 000	H	45.50	13.40	-47.60	45.90	11.70	57.20	74.00	16.80
24 272.75	1 000	H	44.60	14.10	-47.60	45.00	11.50	56.10	74.00	17.90
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.25	1 000	H	32.70	3.85	-34.49	28.94	-1.70	31.00	54.00	23.00
2 483.75 [1)]	1 000	H	42.40	6.62	-34.39	31.37	3.60	46.00	54.00	8.00
2 625.75	1 000	V	28.30	6.86	-34.64	31.58	3.80	32.10	54.00	21.90
4 921.88	1 000	H	44.70	7.23	-46.26	34.83	-4.20	40.50	54.00	13.50
7 383.75	1 000	H	46.50	8.52	-45.86	35.84	-1.50	45.00	54.00	9.00
21 800.50	1 000	H	35.90	13.40	-47.60	45.90	11.70	47.60	54.00	6.40
24 272.75	1 000	H	36.50	14.10	-47.60	45.00	11.50	48.00	54.00	6.00
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11n HT20_Lowest channel (2 412 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 389.75 [1)]	1 000	H	57.90	6.50	-34.22	31.22	3.50	61.40	74.00	12.60
4 820.63	1 000	V	49.20	7.17	-46.03	34.66	-4.20	45.00	74.00	29.00
7 239.38	1 000	V	49.60	8.42	-45.99	35.87	-1.70	47.90	74.00	26.10
10 728.75	1 000	V	42.50	10.31	-45.23	37.92	3.00	45.50	74.00	28.50
21 927.00	1 000	H	46.80	13.50	-47.60	45.80	11.70	58.50	74.00	15.50
24 721.00	1 000	H	44.60	14.30	-47.50	45.30	12.10	56.70	74.00	17.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 389.75 [1)]	1 000	H	45.90	6.50	-34.22	31.22	3.50	49.40	54.00	4.60
4 820.63	1 000	V	43.90	7.17	-46.03	34.66	-4.20	39.70	54.00	14.30
7 239.38	1 000	V	39.20	8.42	-45.99	35.87	-1.70	37.50	54.00	16.50
10 728.75	1 000	V	38.10	10.31	-45.23	37.92	3.00	41.10	54.00	12.90
21 927.00	1 000	H	35.90	13.50	-47.60	45.80	11.70	47.60	54.00	6.40
24 721.00	1 000	H	35.70	14.30	-47.50	45.30	12.10	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802. 11n HT20_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.25	1 000	H	47.90	3.85	-34.49	28.94	-1.70	46.20	74.00	27.80
2 739.50	1 000	V	42.10	7.00	-34.85	31.75	3.90	46.00	74.00	28.00
4 869.38	1 000	H	50.30	7.20	-46.14	34.74	-4.20	46.10	74.00	27.90
7 314.38	1 000	H	53.40	8.47	-45.93	35.86	-1.60	51.80	74.00	22.20
9 772.50	1 000	H	44.20	9.86	-43.83	37.07	3.10	47.30	74.00	26.70
21 608.00	1 000	H	46.20	13.20	-46.10	45.90	13.00	59.20	74.00	14.80
24 380.00	1 000	H	46.10	14.20	-47.20	45.10	12.10	58.20	74.00	15.80
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.25	1 000	H	35.60	3.85	-34.49	28.94	-1.70	33.90	54.00	20.10
2 739.50	1 000	V	28.50	7.00	-34.85	31.75	3.90	32.40	54.00	21.60
4 869.38	1 000	H	43.90	7.20	-46.14	34.74	-4.20	39.70	54.00	14.30
7 314.38	1 000	H	45.40	8.47	-45.93	35.86	-1.60	43.80	54.00	10.20
9 772.50	1 000	H	36.20	9.86	-43.83	37.07	3.10	39.30	54.00	14.70
21 608.00	1 000	H	34.70	13.20	-46.10	45.90	13.00	47.70	54.00	6.30
24 380.00	1 000	H	35.50	14.20	-47.20	45.10	12.10	47.60	54.00	6.40
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11n HT20_Highest channel (2 462 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 483.50 [1)]	1 000	H	58.20	6.62	-34.39	31.37	3.60	61.80	74.00	12.20
4 920.00	1 000	H	50.70	7.22	-46.25	34.83	-4.20	46.50	74.00	27.50
7 372.50	1 000	H	53.00	8.51	-45.86	35.85	-1.50	51.50	74.00	22.50
9 988.12	1 000	H	45.30	9.92	-43.65	37.33	3.60	48.90	74.00	25.10
21 874.75	1 000	H	48.00	13.40	-47.50	45.80	11.70	59.70	74.00	14.30
24 602.75	1 000	H	43.90	14.30	-47.60	45.20	11.90	55.80	74.00	18.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 483.50 [1)]	1 000	H	45.50	6.62	-34.39	31.37	3.60	49.10	54.00	4.90
4 920.00	1 000	H	44.50	7.22	-46.25	34.83	-4.20	40.30	54.00	13.70
7 372.50	1 000	H	45.00	8.51	-45.86	35.85	-1.50	43.50	54.00	10.50
9 988.12	1 000	H	36.10	9.92	-43.65	37.33	3.60	39.70	54.00	14.30
21 874.75	1 000	H	36.00	13.40	-47.50	45.80	11.70	47.70	54.00	6.30
24 602.75	1 000	H	35.90	14.30	-47.60	45.20	11.90	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11n HT40_Lowest channel (2 422 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	47.60	3.85	-34.49	28.94	-1.70	45.90	74.00	28.10
2 390.00 [1)]	1 000	H	54.50	6.49	-34.22	31.23	3.50	58.00	74.00	16.00
4 846.88	1 000	H	49.30	7.18	-46.08	34.70	-4.20	45.10	74.00	28.90
7 284.38	1 000	H	48.60	8.45	-45.91	35.86	-1.60	47.00	74.00	27.00
9 815.62	1 000	H	44.60	9.87	-43.79	37.12	3.20	47.80	74.00	26.20
21 982.00	1 000	V	46.60	13.50	-47.70	45.80	11.60	58.20	74.00	15.80
24 935.50	1 000	H	43.70	14.40	-47.30	45.40	12.50	56.20	74.00	17.80
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	39.20	3.85	-34.49	28.94	-1.70	37.50	54.00	16.50
2 390.00 [1)]	1 000	H	46.20	6.49	-34.22	31.23	3.50	49.70	54.00	4.30
4 846.88	1 000	H	42.50	7.18	-46.08	34.70	-4.20	38.30	54.00	15.70
7 284.38	1 000	H	41.80	8.45	-45.91	35.86	-1.60	40.20	54.00	13.80
9 815.62	1 000	H	36.50	9.87	-43.79	37.12	3.20	39.70	54.00	14.30
21 982.00	1 000	V	36.00	13.50	-47.70	45.80	11.60	47.60	54.00	6.40
24 935.50	1 000	H	35.10	14.40	-47.30	45.40	12.50	47.60	54.00	6.40
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802. 11n HT40_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	47.50	3.85	-34.49	28.94	-1.70	45.80	74.00	28.20
1 819.75	1 000	V	40.50	3.54	-33.73	30.29	0.10	40.60	74.00	33.40
4 878.75	1 000	H	50.60	7.20	-46.16	34.76	-4.20	46.40	74.00	27.60
7 331.25	1 000	H	48.90	8.48	-45.83	35.85	-1.50	47.40	74.00	26.60
9 757.50	1 000	H	45.20	9.85	-43.91	37.06	3.00	48.20	74.00	25.80
21 960.00	1 000	H	47.00	13.50	-47.60	45.80	11.70	58.70	74.00	15.30
24 732.00	1 000	V	44.80	14.30	-47.40	45.30	12.20	57.00	74.00	17.00
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	40.00	3.85	-34.49	28.94	-1.70	38.30	54.00	15.70
1 819.75	1 000	V	35.90	3.54	-33.73	30.29	0.10	36.00	54.00	18.00
4 878.75	1 000	H	43.10	7.20	-46.16	34.76	-4.20	38.90	54.00	15.10
7 331.25	1 000	H	40.70	8.48	-45.83	35.85	-1.50	39.20	54.00	14.80
9 757.50	1 000	H	37.50	9.85	-43.91	37.06	3.00	40.50	54.00	13.50
21 960.00	1 000	H	35.70	13.50	-47.60	45.80	11.70	47.40	54.00	6.60
24 732.00	1 000	V	35.50	14.30	-47.40	45.30	12.20	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11n HT40_Highest channel (2 452 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	47.20	3.85	-34.49	28.94	-1.70	45.50	74.00	28.50
2 483.75 [1)]	1 000	H	54.60	6.62	-34.39	31.37	3.60	58.20	74.00	15.80
4 740.00	1 000	H	49.10	7.12	-46.05	34.53	-4.40	44.70	74.00	29.30
7 368.75	1 000	H	49.80	8.51	-45.86	35.85	-1.50	48.30	74.00	25.70
9 813.75	1 000	H	44.30	9.87	-43.79	37.12	3.20	47.50	74.00	26.50
21 907.75	1 000	V	46.10	13.40	-47.50	45.80	11.70	57.80	74.00	16.20
24 902.50	1 000	H	43.10	14.40	-47.40	45.40	12.40	55.50	74.00	18.50
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	38.60	3.85	-34.49	28.94	-1.70	36.90	54.00	17.10
2 483.75 [1)]	1 000	H	40.10	6.62	-34.39	31.37	3.60	43.70	54.00	10.30
4 740.00	1 000	H	41.60	7.12	-46.05	34.53	-4.40	37.20	54.00	16.80
7 368.75	1 000	H	41.30	8.51	-45.86	35.85	-1.50	39.80	54.00	14.20
9 813.75	1 000	H	37.60	9.87	-43.79	37.12	3.20	40.80	54.00	13.20
21 907.75	1 000	V	35.80	13.40	-47.50	45.80	11.70	47.50	54.00	6.50
24 902.50	1 000	H	35.30	14.40	-47.40	45.40	12.40	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

- ANT 2

802.11b_Lowest channel (2 412 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	47.50	3.85	-34.49	28.94	-1.70	45.80	74.00	28.20
2 385.75 [1)]	1 000	H	47.20	6.50	-34.22	31.22	3.50	50.70	74.00	23.30
2 510.50	1 000	H	44.20	6.63	-34.44	31.41	3.60	47.80	74.00	26.20
4 822.50	1 000	H	55.70	7.17	-46.03	34.66	-4.20	51.50	74.00	22.50
7 235.63	1 000	H	49.80	8.42	-45.99	35.87	-1.70	48.10	74.00	25.90
21 465.00	1 000	H	48.50	13.10	-47.20	46.00	11.90	60.40	74.00	13.60
24 303.00	1 000	H	47.00	14.10	-47.70	45.10	11.50	58.50	74.00	15.50
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	34.60	3.85	-34.49	28.94	-1.70	32.90	54.00	21.10
2 385.75 [1)]	1 000	H	30.30	6.50	-34.22	31.22	3.50	33.80	54.00	20.20
2 510.50	1 000	H	31.90	6.63	-34.44	31.41	3.60	35.50	54.00	18.50
4 822.50	1 000	H	51.50	7.17	-46.03	34.66	-4.20	47.30	54.00	6.70
7 235.63	1 000	H	45.80	8.42	-45.99	35.87	-1.70	44.10	54.00	9.90
21 465.00	1 000	H	35.90	13.10	-47.20	46.00	11.90	47.80	54.00	6.20
24 303.00	1 000	H	36.20	14.10	-47.70	45.10	11.50	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11b_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 625.25	1 000	H	45.80	2.33	-33.94	29.91	-1.70	44.10	74.00	29.90
2 515.25	1 000	H	42.80	6.64	-34.45	31.41	3.60	46.40	74.00	27.60
4 873.13	1 000	H	55.60	7.20	-46.15	34.75	-4.20	51.40	74.00	22.60
7 312.50	1 000	H	52.30	8.47	-45.93	35.86	-1.60	50.70	74.00	23.30
21 451.25	1 000	H	46.50	13.10	-46.00	46.00	13.10	59.60	74.00	14.40
24 080.25	1 000	H	45.10	14.00	-47.00	44.90	11.90	57.00	74.00	17.00
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 625.25	1 000	H	34.10	2.33	-33.94	29.91	-1.70	32.40	54.00	21.60
2 515.25	1 000	H	28.40	6.64	-34.45	31.41	3.60	32.00	54.00	22.00
4 873.13	1 000	H	53.50	7.20	-46.15	34.75	-4.20	49.30	54.00	4.70
7 312.50	1 000	H	49.40	8.47	-45.93	35.86	-1.60	47.80	54.00	6.20
21 451.25	1 000	H	34.50	13.10	-46.00	46.00	13.10	47.60	54.00	6.40
24 080.25	1 000	H	35.60	14.00	-47.00	44.90	11.90	47.50	54.00	6.50
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11b_Highest channel (2 462 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 624.75	1 000	H	45.90	2.33	-33.94	29.91	-1.70	44.20	74.00	29.80
2 485.50 [1)]	1 000	H	45.10	6.62	-34.39	31.37	3.60	48.70	74.00	25.30
2 614.50	1 000	H	42.20	6.76	-34.62	31.56	3.70	45.90	74.00	28.10
4 923.75	1 000	H	55.00	7.23	-46.26	34.83	-4.20	50.80	74.00	23.20
7 383.75	1 000	H	53.20	8.52	-45.86	35.84	-1.50	51.70	74.00	22.30
21 874.75	1 000	H	47.70	13.40	-47.50	45.80	11.70	59.40	74.00	14.60
24 506.50	1 000	H	44.70	14.20	-47.60	45.20	11.80	56.50	74.00	17.50
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 624.75	1 000	H	33.00	2.33	-33.94	29.91	-1.70	31.30	54.00	22.70
2 485.50 [1)]	1 000	H	35.50	6.62	-34.39	31.37	3.60	39.10	54.00	14.90
2 614.50	1 000	H	25.50	6.76	-34.62	31.56	3.70	29.20	54.00	24.80
4 923.75	1 000	H	50.90	7.23	-46.26	34.83	-4.20	46.70	54.00	7.30
7 383.75	1 000	H	49.50	8.52	-45.86	35.84	-1.50	48.00	54.00	6.00
21 874.75	1 000	H	36.10	13.40	-47.50	45.80	11.70	47.80	54.00	6.20
24 506.50	1 000	H	36.00	14.20	-47.60	45.20	11.80	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11g_Lowest channel (2 412 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.50	1 000	H	47.10	3.85	-34.49	28.94	-1.70	45.40	74.00	28.60
2 390.00 [1)]	1 000	V	52.80	6.49	-34.22	31.23	3.50	56.30	74.00	17.70
2 742.25	1 000	V	41.90	7.00	-34.85	31.75	3.90	45.80	74.00	28.20
4 822.50	1 000	H	51.90	7.17	-46.03	34.66	-4.20	47.70	74.00	26.30
7 239.38	1 000	V	51.10	8.42	-45.99	35.87	-1.70	49.40	74.00	24.60
21 723.50	1 000	V	46.10	13.30	-47.40	45.90	11.80	57.90	74.00	16.10
24 454.25	1 000	V	46.10	14.20	-47.70	45.20	11.70	57.80	74.00	16.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.50	1 000	H	33.30	3.85	-34.49	28.94	-1.70	31.60	54.00	22.40
2 390.00 [1)]	1 000	V	39.50	6.49	-34.22	31.23	3.50	43.00	54.00	11.00
2 742.25	1 000	V	27.30	7.00	-34.85	31.75	3.90	31.20	54.00	22.80
4 822.50	1 000	H	43.20	7.17	-46.03	34.66	-4.20	39.00	54.00	15.00
7 239.38	1 000	V	39.00	8.42	-45.99	35.87	-1.70	37.30	54.00	16.70
21 723.50	1 000	V	35.60	13.30	-47.40	45.90	11.80	47.40	54.00	6.60
24 454.25	1 000	V	36.00	14.20	-47.70	45.20	11.70	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11g_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 124.50	1 000	H	46.70	3.85	-34.49	28.94	-1.70	45.00	74.00	29.00
2 752.75	1 000	H	41.80	6.90	-34.87	31.77	3.80	45.60	74.00	28.40
4 873.13	1 000	H	52.70	7.20	-46.15	34.75	-4.20	48.50	74.00	25.50
7 312.50	1 000	H	53.40	8.47	-45.93	35.86	-1.60	51.80	74.00	22.20
21 960.00	1 000	V	46.00	13.50	-47.60	45.80	11.70	57.70	74.00	16.30
24 902.50	1 000	H	43.50	14.40	-47.40	45.40	12.40	55.90	74.00	18.10
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 124.50	1 000	H	34.90	3.85	-34.49	28.94	-1.70	33.20	54.00	20.80
2 752.75	1 000	H	26.80	6.90	-34.87	31.77	3.80	30.60	54.00	23.40
4 873.13	1 000	H	44.50	7.20	-46.15	34.75	-4.20	40.30	54.00	13.70
7 312.50	1 000	H	45.30	8.47	-45.93	35.86	-1.60	43.70	54.00	10.30
21 960.00	1 000	V	36.00	13.50	-47.60	45.80	11.70	47.70	54.00	6.30
24 902.50	1 000	H	35.50	14.40	-47.40	45.40	12.40	47.90	54.00	6.10
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11g_Highest channel (2 462 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	47.20	3.85	-34.49	28.94	-1.70	45.50	74.00	28.50
2 485.50 [1)]	1 000	H	57.90	6.62	-34.39	31.37	3.60	61.50	74.00	12.50
2 772.50	1 000	V	42.40	6.91	-34.91	31.80	3.80	46.20	74.00	27.80
4 929.38	1 000	H	50.60	7.23	-46.17	34.84	-4.10	46.50	74.00	27.50
7 396.88	1 000	H	53.70	8.53	-45.77	35.84	-1.40	52.30	74.00	21.70
21 467.75	1 000	H	46.80	13.10	-47.20	46.00	11.90	58.70	74.00	15.30
24 465.25	1 000	H	45.00	14.20	-47.70	45.20	11.70	56.70	74.00	17.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	33.60	3.85	-34.49	28.94	-1.70	31.90	54.00	22.10
2 485.50 [1)]	1 000	H	45.30	6.62	-34.39	31.37	3.60	48.90	54.00	5.10
2 772.50	1 000	V	28.50	6.91	-34.91	31.80	3.80	32.30	54.00	21.70
4 929.38	1 000	H	46.90	7.23	-46.17	34.84	-4.10	42.80	54.00	11.20
7 396.88	1 000	H	46.70	8.53	-45.77	35.84	-1.40	45.30	54.00	8.70
21 467.75	1 000	H	35.80	13.10	-47.20	46.00	11.90	47.70	54.00	6.30
24 465.25	1 000	H	35.80	14.20	-47.70	45.20	11.70	47.50	54.00	6.50
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11n HT20_Lowest channel (2 412 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 389.75 [1)]	1 000	H	61.40	6.50	-34.22	31.22	3.50	64.90	74.00	9.10
4 822.50	1 000	H	49.60	7.17	-46.03	34.66	-4.20	45.40	74.00	28.60
7 235.63	1 000	H	52.50	8.42	-45.99	35.87	-1.70	50.80	74.00	23.20
9 892.50	1 000	H	43.70	9.89	-43.70	37.21	3.40	47.10	74.00	26.90
21 715.25	1 000	H	45.80	13.30	-47.40	45.90	11.80	57.60	74.00	16.40
24 198.50	1 000	H	44.10	14.10	-47.70	45.00	11.40	55.50	74.00	18.50
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 389.75 [1)]	1 000	H	42.40	6.50	-34.22	31.22	3.50	45.90	54.00	8.10
4 822.50	1 000	H	44.40	7.17	-46.03	34.66	-4.20	40.20	54.00	13.80
7 235.63	1 000	H	45.60	8.42	-45.99	35.87	-1.70	43.90	54.00	10.10
9 892.50	1 000	H	38.70	9.89	-43.70	37.21	3.40	42.10	54.00	11.90
21 715.25	1 000	H	35.70	13.30	-47.40	45.90	11.80	47.50	54.00	6.50
24 198.50	1 000	H	36.30	14.10	-47.70	45.00	11.40	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802. 11n HT20_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.25	1 000	H	47.60	3.85	-34.49	28.94	-1.70	45.90	74.00	28.10
2 759.50	1 000	V	41.30	6.90	-34.88	31.78	3.80	45.10	74.00	28.90
4 873.13	1 000	H	52.40	7.20	-46.15	34.75	-4.20	48.20	74.00	25.80
7 308.75	1 000	H	50.50	8.47	-45.93	35.86	-1.60	48.90	74.00	25.10
9 871.87	1 000	H	44.70	9.89	-43.68	37.19	3.40	48.10	74.00	25.90
21 767.50	1 000	H	46.60	13.30	-47.50	45.90	11.70	58.30	74.00	15.70
24 583.50	1 000	H	44.10	14.30	-47.60	45.20	11.90	56.00	74.00	18.00
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.25	1 000	H	34.50	3.85	-34.49	28.94	-1.70	32.80	54.00	21.20
2 759.50	1 000	V	26.90	6.90	-34.88	31.78	3.80	30.70	54.00	23.30
4 873.13	1 000	H	45.50	7.20	-46.15	34.75	-4.20	41.30	54.00	12.70
7 308.75	1 000	H	44.50	8.47	-45.93	35.86	-1.60	42.90	54.00	11.10
9 871.87	1 000	H	37.00	9.89	-43.68	37.19	3.40	40.40	54.00	13.60
21 767.50	1 000	H	35.90	13.30	-47.50	45.90	11.70	47.60	54.00	6.40
24 583.50	1 000	H	35.90	14.30	-47.60	45.20	11.90	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11n HT20_Highest channel (2 462 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 484.25 [1)]	1 000	H	57.70	6.62	-34.39	31.37	3.60	61.30	74.00	12.70
4 929.38	1 000	H	51.00	7.23	-46.17	34.84	-4.10	46.90	74.00	27.10
7 396.88	1 000	H	51.30	8.53	-45.77	35.84	-1.40	49.90	74.00	24.10
9 733.12	1 000	H	45.20	9.85	-43.98	37.03	2.90	48.10	74.00	25.90
21 423.75	1 000	H	45.70	13.10	-46.00	46.00	13.10	58.80	74.00	15.20
24 646.75	1 000	V	44.30	14.30	-47.10	45.30	12.50	56.80	74.00	17.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 484.25 [1)]	1 000	H	46.40	6.62	-34.39	31.37	3.60	50.00	54.00	4.00
4 929.38	1 000	H	43.70	7.23	-46.17	34.84	-4.10	39.60	54.00	14.40
7 396.88	1 000	H	43.30	8.53	-45.77	35.84	-1.40	41.90	54.00	12.10
9 733.12	1 000	H	35.80	9.85	-43.98	37.03	2.90	38.70	54.00	15.30
21 423.75	1 000	H	34.50	13.10	-46.00	46.00	13.10	47.60	54.00	6.40
24 646.75	1 000	V	35.20	14.30	-47.10	45.30	12.50	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11n HT40_Lowest channel (2 422 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	48.20	3.85	-34.49	28.94	-1.70	46.50	74.00	27.50
2 388.50 [1)]	1 000	H	57.80	6.50	-34.22	31.22	3.50	61.30	74.00	12.70
4 835.63	1 000	H	50.60	7.18	-46.07	34.69	-4.20	46.40	74.00	27.60
7 280.63	1 000	H	48.20	8.45	-45.91	35.86	-1.60	46.60	74.00	27.40
9 738.75	1 000	H	45.70	9.85	-43.98	37.03	2.90	48.60	74.00	25.40
21 907.75	1 000	H	45.80	13.40	-47.50	45.80	11.70	57.50	74.00	16.50
24 817.25	1 000	V	44.80	14.40	-47.50	45.40	12.30	57.10	74.00	16.90
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	40.80	3.85	-34.49	28.94	-1.70	39.10	54.00	14.90
2 388.50 [1)]	1 000	H	47.30	6.50	-34.22	31.22	3.50	50.80	54.00	3.20
4 835.63	1 000	H	44.00	7.18	-46.07	34.69	-4.20	39.80	54.00	14.20
7 280.63	1 000	H	40.00	8.45	-45.91	35.86	-1.60	38.40	54.00	15.60
9 738.75	1 000	H	37.10	9.85	-43.98	37.03	2.90	40.00	54.00	14.00
21 907.75	1 000	H	35.90	13.40	-47.50	45.80	11.70	47.60	54.00	6.40
24 817.25	1 000	V	35.60	14.40	-47.50	45.40	12.30	47.90	54.00	6.10
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802. 11n HT40_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	47.50	3.85	-34.49	28.94	-1.70	45.80	74.00	28.20
1 818.25	1 000	H	40.90	3.54	-33.73	30.29	0.10	41.00	74.00	33.00
4 891.88	1 000	H	49.00	7.21	-46.19	34.78	-4.20	44.80	74.00	29.20
7 310.63	1 000	H	47.30	8.47	-45.93	35.86	-1.60	45.70	74.00	28.30
9 618.75	1 000	H	45.60	9.82	-44.21	36.89	2.50	48.10	74.00	25.90
21 960.00	1 000	H	47.00	13.50	-47.60	45.80	11.70	58.70	74.00	15.30
24 454.25	1 000	V	45.20	14.20	-47.70	45.20	11.70	56.90	74.00	17.10
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	40.10	3.85	-34.49	28.94	-1.70	38.40	54.00	15.60
1 818.25	1 000	H	34.20	3.54	-33.73	30.29	0.10	34.30	54.00	19.70
4 891.88	1 000	H	41.90	7.21	-46.19	34.78	-4.20	37.70	54.00	16.30
7 310.63	1 000	H	41.50	8.47	-45.93	35.86	-1.60	39.90	54.00	14.10
9 618.75	1 000	H	40.10	9.82	-44.21	36.89	2.50	42.60	54.00	11.40
21 960.00	1 000	H	35.90	13.50	-47.60	45.80	11.70	47.60	54.00	6.40
24 454.25	1 000	V	36.10	14.20	-47.70	45.20	11.70	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11n HT40_Highest channel (2 452 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	48.10	3.85	-34.49	28.94	-1.70	46.40	74.00	27.60
2 484.50 [1)]	1 000	H	55.10	6.62	-34.39	31.37	3.60	58.70	74.00	15.30
4 906.88	1 000	H	48.80	7.22	-46.22	34.80	-4.20	44.60	74.00	29.40
7 353.75	1 000	H	48.40	8.50	-48.55	35.85	-1.50	46.90	74.00	27.10
9 905.62	1 000	H	44.50	9.89	-43.72	37.23	3.40	47.90	74.00	26.10
21 778.50	1 000	V	45.30	13.30	-47.50	45.90	11.70	57.00	74.00	17.00
24 968.50	1 000	H	44.20	14.50	-47.50	45.50	12.50	56.70	74.00	17.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	40.80	3.85	-34.49	28.94	-1.70	39.10	54.00	14.90
2 484.50 [1)]	1 000	H	41.90	6.62	-34.39	31.37	3.60	45.50	54.00	8.50
4 906.88	1 000	H	40.60	7.22	-46.22	34.80	-4.20	36.40	54.00	17.60
7 353.75	1 000	H	41.70	8.50	-48.55	35.85	-1.50	40.20	54.00	13.80
9 905.62	1 000	H	36.60	9.89	-43.72	37.23	3.40	40.00	54.00	14.00
21 778.50	1 000	V	36.00	13.30	-47.50	45.90	11.70	47.70	54.00	6.30
24 968.50	1 000	H	35.30	14.50	-47.50	45.50	12.50	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

- ANT 3

802.11b_Lowest channel (2 412 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 624.75	1 000	H	45.00	2.33	-33.94	29.91	-1.70	43.30	74.00	30.70
2 390.00 [1)]	1 000	V	45.90	6.49	-34.22	31.23	3.50	49.40	74.00	24.60
2 752.25	1 000	V	41.60	6.90	-34.87	31.77	3.80	45.40	74.00	28.60
4 824.38	1 000	H	53.50	6.88	-44.91	33.83	-4.20	49.30	74.00	24.70
7 233.75	1 000	H	49.90	8.42	-45.99	35.87	-1.70	48.20	74.00	25.80
21 927.00	1 000	H	46.40	13.50	-47.60	45.80	11.70	58.10	74.00	15.90
24 594.50	1 000	H	44.50	14.30	-47.60	45.20	11.90	56.40	74.00	17.60
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 624.75	1 000	H	32.30	2.33	-33.94	29.91	-1.70	30.60	54.00	23.40
2 390.00 [1)]	1 000	V	30.40	6.49	-34.22	31.23	3.50	33.90	54.00	20.10
2 752.25	1 000	V	26.20	6.90	-34.87	31.77	3.80	30.00	54.00	24.00
4 824.38	1 000	H	49.80	6.88	-44.91	33.83	-4.20	45.60	54.00	8.40
7 233.75	1 000	H	44.60	8.42	-45.99	35.87	-1.70	42.90	54.00	11.10
21 927.00	1 000	H	35.50	13.50	-47.60	45.80	11.90	47.40	54.00	6.60
24 594.50	1 000	H	36.00	14.30	-47.60	45.20	11.70	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11b_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 625.00	1 000	H	46.00	2.33	-33.94	29.91	-1.70	44.30	74.00	29.70
2 753.75	1 000	V	42.50	6.90	-34.87	31.77	3.80	46.30	74.00	27.70
4 873.13	1 000	H	52.50	7.20	-46.15	34.75	-4.20	48.30	74.00	25.70
7 308.75	1 000	H	50.70	8.47	-45.93	35.86	-1.60	49.10	74.00	24.90
21 885.75	1 000	H	47.30	13.40	-47.50	45.80	11.70	59.00	74.00	15.00
24 561.50	1 000	H	44.70	14.30	-47.60	45.20	11.90	56.60	74.00	17.40
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 625.00	1 000	H	41.70	2.33	-33.94	29.91	-1.70	40.00	54.00	14.00
2 753.75	1 000	V	29.60	6.90	-34.87	31.77	3.80	33.40	54.00	20.60
4 873.13	1 000	H	50.10	7.20	-46.15	34.75	-4.20	45.90	54.00	8.10
7 308.75	1 000	H	44.90	8.47	-45.93	35.86	-1.60	43.30	54.00	10.70
21 885.75	1 000	H	35.90	13.40	-47.50	45.80	11.70	47.60	54.00	6.40
24 561.50	1 000	H	36.20	14.30	-47.60	45.20	11.50	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11b_Highest channel (2 462 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	47.20	3.85	-34.49	28.94	-1.70	45.50	74.00	28.50
1 731.00	1 000	H	45.80	3.01	-33.83	30.12	-0.70	45.10	74.00	28.90
2 484.25 [1)]	1 000	H	51.30	6.62	-34.39	31.37	3.60	54.90	74.00	19.10
4 923.75	1 000	H	51.50	7.23	-46.26	34.83	-4.20	47.30	74.00	26.70
7 387.50	1 000	H	50.90	8.52	-45.86	35.84	-1.50	49.40	74.00	24.60
21 789.50	1 000	H	45.90	13.40	-47.60	45.90	11.70	57.60	74.00	16.40
24 624.75	1 000	H	44.60	14.30	-47.60	45.30	12.00	56.60	74.00	17.40
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	36.20	3.85	-34.49	28.94	-1.70	34.50	54.00	19.50
1 731.00	1 000	H	32.10	3.01	-33.83	30.12	-0.70	31.40	54.00	22.60
2 484.25 [1)]	1 000	H	34.10	6.62	-34.39	31.37	3.60	37.70	54.00	16.30
4 923.75	1 000	H	50.70	7.23	-46.26	34.83	-4.20	46.50	54.00	7.50
7 387.50	1 000	H	49.40	8.52	-45.86	35.84	-1.50	47.90	54.00	6.10
21 789.50	1 000	H	36.00	13.40	-47.60	45.90	11.70	47.70	54.00	6.30
24 624.75	1 000	H	35.90	14.30	-47.60	45.30	12.00	47.90	54.00	6.10
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11g_Lowest channel (2 412 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 124.75	1 000	H	47.50	3.85	-34.49	28.94	-1.70	45.80	74.00	28.20
2 389.75 [1)]	1 000	H	58.40	6.50	-34.22	31.22	3.50	61.90	74.00	12.10
2 736.75	1 000	V	41.70	6.99	-34.84	31.75	3.90	45.60	74.00	28.40
4 822.50	1 000	H	51.60	7.17	-46.03	34.66	-4.20	47.40	74.00	26.60
7 288.13	1 000	V	47.90	8.45	-45.91	35.86	-1.60	46.30	74.00	27.70
21 671.25	1 000	V	46.40	13.30	-47.40	45.90	11.80	58.20	74.00	15.80
24 872.25	1 000	V	44.50	14.40	-47.40	45.40	12.40	56.90	74.00	17.10
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 124.75	1 000	H	34.60	3.85	-34.49	28.94	-1.70	32.90	54.00	21.10
2 389.75 [1)]	1 000	H	44.60	6.50	-34.22	31.22	3.50	48.10	54.00	5.90
2 736.75	1 000	V	38.20	6.99	-34.84	31.75	3.80	42.00	54.00	12.00
4 822.50	1 000	H	41.90	7.17	-46.03	34.66	-4.20	37.70	54.00	16.30
7 288.13	1 000	V	39.90	8.45	-45.91	35.86	-1.60	38.30	54.00	15.70
21 671.25	1 000	V	35.90	13.30	-47.40	45.90	11.80	47.70	54.00	6.30
24 872.25	1 000	V	35.60	14.40	-47.40	45.40	12.40	48.00	54.00	6.00
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11g_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 124.50	1 000	H	47.10	3.85	-34.49	28.94	-1.70	45.40	74.00	28.60
2 718.25	1 000	V	42.10	6.99	-34.81	31.72	3.90	46.00	74.00	28.00
4 863.75	1 000	H	49.50	7.19	-46.12	34.73	-4.20	45.30	74.00	28.70
7 318.13	1 000	H	49.20	8.47	-45.83	35.86	-1.50	47.70	74.00	26.30
21 756.50	1 000	H	47.90	13.30	-47.40	45.90	11.80	59.70	74.00	14.30
24 272.75	1 000	H	46.50	14.10	-47.60	45.00	11.50	58.00	74.00	16.00
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 124.50	1 000	H	36.30	3.85	-34.49	28.94	-1.70	34.60	54.00	19.40
2 718.25	1 000	V	29.70	6.99	-34.81	31.72	3.80	33.50	54.00	20.50
4 863.75	1 000	H	43.80	7.19	-46.12	34.73	-4.20	39.60	54.00	14.40
7 318.13	1 000	H	43.50	8.47	-45.83	35.86	-1.50	42.00	54.00	12.00
21 756.50	1 000	H	35.70	13.30	-47.40	45.90	11.80	47.50	54.00	6.50
24 272.75	1 000	H	36.20	14.10	-47.60	45.00	11.50	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11g_Highest channel (2 462 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1125.00	1 000	H	47.20	3.85	-34.49	28.94	-1.70	45.50	74.00	28.50
2483.50 [1)]	1 000	H	58.90	6.62	-34.39	31.37	3.60	62.50	74.00	11.50
2769.00	1 000	V	41.40	6.91	-34.90	31.79	3.80	45.20	74.00	28.80
4 929.38	1 000	H	49.00	7.23	-46.17	34.84	-4.10	44.90	74.00	29.10
7 387.50	1 000	H	48.80	8.52	-45.86	35.84	-1.50	47.30	74.00	26.70
21 627.25	1 000	V	47.60	13.20	-47.30	45.90	11.80	59.40	74.00	14.60
24 088.50	1 000	H	45.50	14.00	-47.60	44.90	11.30	56.80	74.00	17.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1125.00	1 000	H	31.60	3.85	-34.49	28.94	-1.70	29.90	54.00	24.10
2483.50 [1)]	1 000	H	47.10	6.62	-34.39	31.37	3.60	50.70	54.00	3.30
2769.00	1 000	V	29.40	6.91	-34.90	31.79	3.80	33.20	54.00	20.80
4 929.38	1 000	H	45.00	7.23	-46.17	34.84	-4.10	40.90	54.00	13.10
7 387.50	1 000	H	42.80	8.52	-45.86	35.84	-1.50	41.30	54.00	12.70
21 627.25	1 000	V	35.60	13.20	-47.30	45.90	11.80	47.40	54.00	6.60
24 088.50	1 000	H	36.30	14.00	-47.60	44.90	11.30	47.60	54.00	6.40
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11n HT20_Lowest channel (2 412 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 389.75 [1)]	1 000	H	61.30	6.50	-34.22	31.22	3.50	64.80	74.00	9.20
4 824.38	1 000	H	52.50	7.17	-46.04	34.67	-4.20	48.30	74.00	25.70
7 239.38	1 000	H	49.40	8.42	-45.99	35.87	-1.70	47.70	74.00	26.30
9 716.25	1 000	H	44.90	9.84	-43.95	37.01	2.90	47.80	74.00	26.20
21 885.75	1 000	H	48.90	13.40	-47.50	45.80	11.70	60.60	74.00	13.40
24 624.75	1 000	V	44.40	14.30	-47.60	45.30	12.00	56.40	74.00	17.60
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 389.75 [1)]	1 000	H	44.50	6.50	-34.22	31.22	3.50	48.00	54.00	6.00
4 824.38	1 000	H	44.20	7.17	-46.04	34.67	-4.20	40.00	54.00	14.00
7 239.38	1 000	H	43.80	8.42	-45.99	35.87	-1.70	42.10	54.00	11.90
9 716.25	1 000	H	38.40	9.84	-43.95	37.01	2.90	41.30	54.00	12.70
21 885.75	1 000	H	35.90	13.40	-47.50	45.80	11.70	47.60	54.00	6.40
24 624.75	1 000	V	35.80	14.30	-47.60	45.30	12.00	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802. 11n HT20_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 125.50	1 000	H	41.80	5.92	-33.75	30.83	3.00	44.80	74.00	29.20
2 757.00	1 000	V	41.70	6.90	-34.88	31.78	3.80	45.50	74.00	28.50
4 869.38	1 000	H	49.50	7.20	-46.14	34.74	-4.20	45.30	74.00	28.70
7 320.00	1 000	H	48.80	8.47	-45.83	35.86	-1.50	47.30	74.00	26.70
9 714.37	1 000	V	44.70	9.84	-43.95	37.01	2.90	47.60	74.00	26.40
21 927.00	1 000	H	46.80	13.50	-47.60	45.80	11.70	58.50	74.00	15.50
24 176.50	1 000	H	44.30	14.10	-47.70	45.00	11.40	55.70	74.00	18.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 125.50	1 000	H	28.40	5.92	-33.75	30.83	3.00	31.40	54.00	22.60
2 757.00	1 000	V	29.00	6.90	-34.88	31.78	3.80	32.80	54.00	21.20
4 869.38	1 000	H	44.10	7.20	-46.14	34.74	-4.20	39.90	54.00	14.10
7 320.00	1 000	H	40.50	8.47	-45.83	35.86	-1.50	39.00	54.00	15.00
9 714.37	1 000	V	37.70	9.84	-43.95	37.01	2.90	40.60	54.00	13.40
21 927.00	1 000	H	35.80	13.50	-47.60	45.80	11.70	47.50	54.00	6.50
24 176.50	1 000	H	36.30	14.10	-47.70	45.00	11.40	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11n HT20_Highest channel (2 462 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 485.50 [1)]	1 000	H	58.40	6.62	-34.39	31.37	3.60	62.00	74.00	12.00
4 923.75	1 000	H	49.20	7.23	-46.26	34.83	-4.20	45.00	74.00	29.00
7 381.88	1 000	V	52.40	8.52	-45.86	35.84	-1.50	50.90	74.00	23.10
9 870.00	1 000	H	44.50	9.88	-43.67	37.19	3.40	47.90	74.00	26.10
21 938.00	1 000	V	45.60	13.50	-46.50	45.80	12.80	58.40	74.00	15.60
24 380.00	1 000	H	46.10	14.20	-47.20	45.10	12.10	58.20	74.00	15.80
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 485.50 [1)]	1 000	H	46.20	6.62	-34.39	31.37	3.60	49.80	54.00	4.20
4 923.75	1 000	H	42.10	7.23	-46.26	34.83	-4.20	37.90	54.00	16.10
7 381.88	1 000	V	43.70	8.52	-45.86	35.84	-1.50	42.20	54.00	11.80
9 870.00	1 000	H	37.20	9.88	-43.67	37.19	3.40	40.60	54.00	13.40
21 938.00	1 000	V	34.90	13.50	-46.50	45.80	12.80	47.70	54.00	6.30
24 380.00	1 000	H	35.70	14.20	-47.20	45.10	12.10	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11n HT40_Lowest channel (2 422 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 111.75	1 000	V	41.40	5.82	-33.73	30.81	2.90	44.30	74.00	29.70
2 384.50 [1)]	1 000	H	58.80	6.52	-34.39	31.37	3.50	62.30	74.00	11.70
4 863.75	1 000	H	48.30	7.19	-46.12	34.73	-4.20	44.10	74.00	29.90
7 254.38	1 000	H	47.80	8.43	-45.90	35.87	-1.60	46.20	74.00	27.80
9 825.00	1 000	H	44.60	9.87	-43.81	37.14	3.20	47.80	74.00	26.20
21 467.75	1 000	H	46.80	13.10	-47.20	46.00	11.90	58.70	74.00	15.30
24 465.25	1 000	H	45.00	14.20	-47.70	45.20	11.70	56.70	74.00	17.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 111.75	1 000	V	34.70	5.82	-33.73	30.81	2.90	37.60	54.00	16.40
2 384.50 [1)]	1 000	H	47.20	6.52	-34.39	31.37	3.50	50.70	54.00	3.30
4 863.75	1 000	H	42.00	7.19	-46.12	34.73	-4.20	37.80	54.00	16.20
7 254.38	1 000	H	40.80	8.43	-45.90	35.87	-1.60	39.20	54.00	14.80
9 825.00	1 000	H	35.80	9.87	-43.81	37.14	3.20	39.00	54.00	15.00
21 467.75	1 000	H	35.60	13.10	-47.20	46.00	11.90	47.50	54.00	6.50
24 465.25	1 000	H	36.00	14.20	-47.70	45.20	11.70	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802. 11n HT40_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.25	1 000	H	48.10	3.85	-34.49	28.94	-1.70	46.40	74.00	27.60
1 957.75	1 000	V	41.70	4.62	-33.58	30.56	1.60	43.30	74.00	30.70
4 854.38	1 000	H	48.10	7.19	-46.11	34.72	-4.20	43.90	74.00	30.10
7 256.25	1 000	H	47.60	8.43	-45.90	35.87	-1.60	46.00	74.00	28.00
9 868.12	1 000	H	44.80	9.88	-43.67	37.19	3.40	48.20	74.00	25.80
21 960.00	1 000	H	48.00	13.50	-47.60	45.80	11.70	59.70	74.00	14.30
24 924.50	1 000	V	42.90	14.40	-47.30	45.40	12.50	55.40	74.00	18.60
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.25	1 000	H	41.40	3.85	-34.49	28.94	-1.70	39.70	54.00	14.30
1 957.75	1 000	V	35.60	4.62	-33.58	30.56	1.60	37.20	54.00	16.80
4 854.38	1 000	H	42.40	7.19	-46.11	34.72	-4.20	38.20	54.00	15.80
7 256.25	1 000	H	39.60	8.43	-45.90	35.87	-1.60	38.00	54.00	16.00
9 868.12	1 000	H	35.80	9.88	-43.67	37.19	3.40	39.20	54.00	14.80
21 960.00	1 000	H	35.80	13.50	-47.60	45.80	11.70	47.50	54.00	6.50
24 924.50	1 000	V	35.30	14.40	-47.30	45.40	12.50	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11n HT40_Highest channel (2 452 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	46.90	3.85	-34.49	28.94	-1.70	45.20	74.00	28.80
2 484.25 [1)]	1 000	H	56.80	6.62	-34.39	31.37	3.60	60.40	74.00	13.60
4 891.88	1 000	H	48.50	7.21	-46.19	34.78	-4.20	44.30	74.00	29.70
7 256.25	1 000	H	47.30	8.43	-45.90	35.87	-1.60	45.70	74.00	28.30
9 894.37	1 000	H	44.30	9.89	-43.71	37.22	3.40	47.70	74.00	26.30
21 778.50	1 000	V	46.10	13.30	-47.50	45.90	11.70	57.80	74.00	16.20
24 894.25	1 000	V	44.00	14.40	-47.40	45.40	12.40	56.40	74.00	17.60
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	39.40	3.85	-34.49	28.94	-1.70	37.70	54.00	16.30
2 484.25 [1)]	1 000	H	41.00	6.62	-34.39	31.37	3.60	44.60	54.00	9.40
4 891.88	1 000	H	41.30	7.21	-46.19	34.78	-4.20	37.10	54.00	16.90
7 256.25	1 000	H	41.00	8.43	-45.90	35.87	-1.60	39.40	54.00	14.60
9 894.37	1 000	H	37.20	9.89	-43.71	37.22	3.40	40.60	54.00	13.40
21 778.50	1 000	V	35.90	13.30	-47.50	45.90	11.70	47.60	54.00	6.40
24 894.25	1 000	V	35.40	14.40	-47.40	45.40	12.40	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

- MIMO (ANT 1+2)

802.11n HT20_Lowest channel (2 412 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 389.75 [1)]	1 000	H	52.60	6.50	-34.22	31.22	3.50	56.10	74.00	17.90
4 820.63	1 000	H	50.70	7.17	-46.03	34.66	-4.20	46.50	74.00	27.50
7 235.63	1 000	V	47.90	8.42	-45.99	35.87	-1.70	46.20	74.00	27.80
9 780.00	1 000	H	45.50	9.86	-43.84	37.08	3.10	48.60	74.00	25.40
21 907.75	1 000	H	46.00	13.40	-47.50	45.80	11.70	57.70	74.00	16.30
24 902.50	1 000	V	43.60	14.40	-47.40	45.40	12.40	56.00	74.00	18.00
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 389.75 [1)]	1 000	H	39.30	6.50	-34.22	31.22	3.50	42.80	54.00	11.20
4 820.63	1 000	H	42.00	7.17	-46.03	34.66	-4.20	37.80	54.00	16.20
7 235.63	1 000	V	38.00	8.42	-45.99	35.87	-1.70	36.30	54.00	17.70
9 780.00	1 000	H	35.00	9.86	-43.84	37.08	3.10	38.10	54.00	15.90
21 907.75	1 000	H	36.30	13.40	-47.50	45.80	11.70	48.00	54.00	6.00
24 902.50	1 000	V	35.40	14.40	-47.40	45.40	12.40	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802. 11n HT20_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 625.00	1 000	H	47.50	3.85	-34.49	28.94	-1.70	45.80	74.00	28.20
4 873.13	1 000	H	48.90	7.20	-46.15	34.75	-4.20	44.70	74.00	29.30
7 318.13	1 000	H	48.50	8.47	-45.83	35.86	-1.50	47.00	74.00	27.00
12 082.50	1 000	V	46.20	11.06	-47.13	38.57	2.50	48.70	74.00	25.30
21 907.75	1 000	H	46.10	13.40	-47.50	45.80	11.70	57.80	74.00	16.20
24 380.00	1 000	V	46.70	14.20	-47.70	45.10	11.60	58.30	74.00	15.70
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 625.00	1 000	H	48.40	2.33	-33.94	29.91	-1.70	46.70	54.00	7.30
4 873.13	1 000	H	42.00	7.20	-46.15	34.75	-4.20	37.80	54.00	16.20
7 318.13	1 000	H	39.20	8.47	-45.83	35.86	-1.50	37.70	54.00	16.30
12 082.50	1 000	V	38.30	11.06	-47.13	38.57	2.50	40.80	54.00	13.20
21 907.75	1 000	H	35.90	13.40	-47.50	45.80	11.70	47.60	54.00	6.40
24 380.00	1 000	V	36.20	14.20	-47.70	45.10	11.60	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor

802.11n HT20_Highest channel (2 462 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 483.50 [1)]	1 000	H	50.80	6.62	-34.39	31.37	3.60	54.40	74.00	19.60
4 918.13	1 000	H	49.00	7.22	-46.24	34.82	-4.20	44.80	74.00	29.20
7 391.25	1 000	H	48.30	8.52	-45.76	35.84	-1.40	46.90	74.00	27.10
9 971.25	1 000	H	45.00	9.91	-43.72	37.31	3.50	48.50	74.00	25.50
21 649.25	1 000	V	46.50	13.20	-47.30	45.90	11.80	58.30	74.00	15.70
24 583.50	1 000	H	44.80	14.30	-47.60	45.20	11.90	56.70	74.00	17.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 483.50 [1)]	1 000	H	37.70	6.62	-34.39	31.37	3.60	41.30	54.00	12.70
4 918.13	1 000	H	42.10	7.22	-46.24	34.82	-4.20	37.90	54.00	16.10
7 391.25	1 000	H	40.90	8.52	-45.76	35.84	-1.40	39.50	54.00	14.50
9 971.25	1 000	H	36.50	9.91	-43.72	37.31	3.50	40.00	54.00	14.00
21 649.25	1 000	V	35.60	13.20	-47.30	45.90	11.80	47.40	54.00	6.60
24 583.50	1 000	H	35.80	14.30	-47.60	45.20	11.90	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11n HT40_Lowest channel (2 422 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	47.50	3.85	-34.49	28.94	-1.70	45.80	74.00	28.20
2 387.50 [1)]	1 000	H	56.20	6.50	-34.22	31.22	3.50	59.70	74.00	14.30
4 820.63	1 000	H	48.30	7.17	-46.03	34.66	-4.20	44.10	74.00	29.90
7 325.63	1 000	H	47.50	8.48	-45.83	35.85	-1.50	46.00	74.00	28.00
9 905.62	1 000	H	44.70	9.89	-43.72	37.23	3.40	48.10	74.00	25.90
21 811.50	1 000	V	46.50	13.40	-47.50	45.80	11.70	58.20	74.00	15.80
24 902.50	1 000	H	43.10	14.40	-47.40	45.40	12.40	55.50	74.00	18.50
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	39.90	3.85	-34.49	28.94	-1.70	38.20	54.00	15.80
2 387.50 [1)]	1 000	H	43.60	6.50	-34.22	31.22	3.50	47.10	54.00	6.90
4 820.63	1 000	H	42.00	7.17	-46.03	34.66	-4.20	37.80	54.00	16.20
7 325.63	1 000	H	39.80	8.48	-45.83	35.85	-1.50	38.30	54.00	15.70
9 905.62	1 000	H	34.30	9.89	-43.72	37.23	3.40	37.70	54.00	16.30
21 811.50	1 000	V	36.00	13.40	-47.50	45.80	11.70	47.70	54.00	6.30
24 902.50	1 000	H	35.40	14.40	-47.40	45.40	12.40	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802. 11n HT40_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	47.90	3.85	-34.49	28.94	-1.70	46.20	74.00	27.80
1 697.25	1 000	V	39.00	2.81	-33.86	30.05	-1.00	38.00	74.00	36.00
4 893.75	1 000	H	49.90	7.21	-46.19	34.78	-4.20	45.70	74.00	28.30
7 335.00	1 000	H	47.00	8.50	-45.85	35.85	-1.50	45.50	74.00	28.50
9 875.62	1 000	V	43.80	9.89	-43.68	37.19	3.40	47.20	74.00	26.80
21 990.25	1 000	V	45.30	13.50	-47.70	45.80	11.60	56.90	74.00	17.10
24 817.25	1 000	V	44.00	14.40	-47.50	45.40	12.30	56.30	74.00	17.70
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	42.00	3.85	-34.49	28.94	-1.70	40.30	54.00	13.70
1 697.25	1 000	V	35.70	2.81	-33.86	30.05	-1.00	34.70	54.00	19.30
4 893.75	1 000	H	42.00	7.21	-46.19	34.78	-4.20	37.80	54.00	16.20
7 335.00	1 000	H	40.50	8.50	-45.85	35.85	-1.50	39.00	54.00	15.00
9 875.62	1 000	V	36.50	9.89	-43.68	37.19	3.40	39.90	54.00	14.10
21 990.25	1 000	V	36.00	13.50	-47.70	45.80	11.60	47.60	54.00	6.40
24 817.25	1 000	V	35.50	14.40	-47.50	45.40	12.30	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT40_Highest channel (2 452 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	48.60	3.85	-34.49	28.94	-1.70	46.90	74.00	27.10
2 483.50 [1)]	1 000	H	53.70	6.62	-34.39	31.37	3.60	57.30	74.00	16.70
4 905.00	1 000	H	48.20	7.22	-46.22	34.80	-4.20	44.00	74.00	30.00
7 329.38	1 000	H	46.90	8.48	-45.83	35.85	-1.50	45.40	74.00	28.60
9 890.62	1 000	H	44.50	9.89	-43.70	37.21	3.40	47.90	74.00	26.10
21 704.25	1 000	V	47.50	13.30	-46.30	45.90	12.90	60.40	74.00	13.60
24 817.25	1 000	V	45.60	14.40	-47.00	45.40	12.80	58.40	74.00	15.60
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	41.40	3.85	-34.49	28.94	-1.70	39.70	54.00	14.30
2 483.50 [1)]	1 000	H	42.30	6.62	-34.39	31.37	3.60	45.90	54.00	8.10
4 905.00	1 000	H	40.60	7.22	-46.22	34.80	-4.20	36.40	54.00	17.60
7 329.38	1 000	H	40.30	8.48	-45.83	35.85	-1.50	38.80	54.00	15.20
9 890.62	1 000	H	36.90	9.89	-43.70	37.21	3.40	40.30	54.00	13.70
21 704.25	1 000	V	34.80	13.30	-46.30	45.90	12.90	47.70	54.00	6.30
24 817.25	1 000	V	35.00	14.40	-47.00	45.40	12.80	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

- MIMO (ANT 1+2+3)

802.11n HT20_Lowest channel (2 412 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 389.75 [1)]	1 000	H	49.00	6.50	-34.22	31.22	3.50	52.50	74.00	21.50
4 826.25	1 000	H	48.50	7.17	-46.04	34.67	-4.20	44.30	74.00	29.70
7 278.75	1 000	H	46.50	8.45	-45.91	35.86	-1.60	44.90	74.00	29.10
9 886.87	1 000	H	44.90	9.89	-43.70	37.21	3.40	48.30	74.00	25.70
21 907.75	1 000	V	46.10	13.40	-47.50	45.80	11.70	57.80	74.00	16.20
24 432.25	1 000	H	46.20	14.20	-47.60	45.10	11.70	57.90	74.00	16.10
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 389.75 [1)]	1 000	H	36.10	6.50	-34.22	31.22	3.50	39.60	54.00	14.40
4 826.25	1 000	H	40.00	7.17	-46.04	34.67	-4.20	35.80	54.00	18.20
7 278.75	1 000	H	39.20	8.45	-45.91	35.86	-1.60	37.60	54.00	16.40
9 886.87	1 000	H	34.70	9.89	-43.70	37.21	3.40	38.10	54.00	15.90
21 907.75	1 000	V	35.80	13.40	-47.50	45.80	11.70	47.50	54.00	6.50
24 432.25	1 000	H	36.00	14.20	-47.60	45.10	11.70	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802. 11n HT20_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	47.60	3.85	-34.49	28.94	-1.70	45.90	74.00	28.10
2 386.75 [1)]	1 000	H	53.00	6.50	-34.22	31.22	3.50	56.50	74.00	17.50
4 683.75	1 000	H	48.40	7.09	-46.02	34.43	-4.50	43.90	74.00	30.10
7 280.63	1 000	H	46.80	8.45	-45.91	35.86	-1.60	45.20	74.00	28.80
9 847.50	1 000	H	44.70	9.88	-43.74	37.16	3.30	48.00	74.00	26.00
21 734.50	1 000	H	46.40	13.30	-47.40	45.90	11.80	58.20	74.00	15.80
24 572.50	1 000	H	45.10	14.30	-47.60	45.20	11.90	57.00	74.00	17.00
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	39.50	3.85	-34.49	28.94	-1.70	37.80	54.00	16.20
2 386.75 [1)]	1 000	H	42.30	6.50	-34.22	31.22	3.50	45.80	54.00	8.20
4 683.75	1 000	H	41.70	7.09	-46.02	34.43	-4.50	37.20	54.00	16.80
7 280.63	1 000	H	39.90	8.45	-45.91	35.86	-1.60	38.30	54.00	15.70
9 847.50	1 000	H	34.30	9.88	-43.74	37.16	3.30	37.60	54.00	16.40
21 734.50	1 000	H	35.90	13.30	-47.40	45.90	11.80	47.70	54.00	6.30
24 572.50	1 000	H	35.90	14.30	-47.60	45.20	11.90	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11n HT20_Highest channel (2 462 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
2 484.00 [1)]	1 000	H	50.70	6.62	-34.39	31.37	3.60	54.30	74.00	19.70
4 921.88	1 000	H	48.30	7.23	-46.26	34.83	-4.20	44.10	74.00	29.90
7 398.75	1 000	H	48.00	8.53	-45.77	35.84	-1.40	46.60	74.00	27.40
9 905.62	1 000	H	44.80	9.89	-43.72	37.23	3.40	48.20	74.00	25.80
21 896.75	1 000	V	46.40	13.40	-47.50	45.80	11.70	58.10	74.00	15.90
24 132.50	1 000	V	44.70	14.00	-47.60	45.00	11.40	56.10	74.00	17.90
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
2 484.00 [1)]	1 000	H	40.50	6.62	-34.39	31.37	3.60	44.10	54.00	9.90
4 921.88	1 000	H	40.00	7.23	-46.26	34.83	-4.20	35.80	54.00	18.20
7 398.75	1 000	H	39.40	8.53	-45.77	35.84	-1.40	38.00	54.00	16.00
9 905.62	1 000	H	36.10	9.89	-43.72	37.23	3.40	39.50	54.00	14.50
21 896.75	1 000	V	35.80	13.40	-47.50	45.80	11.70	47.50	54.00	6.50
24 132.50	1 000	V	36.40	14.00	-47.60	45.00	11.40	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802.11n HT40_Lowest channel (2 422 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	47.60	3.85	-34.49	28.94	-1.70	45.90	74.00	28.10
2 386.75 [1)]	1 000	H	53.00	6.50	-34.22	31.22	3.50	56.50	74.00	17.50
4 846.88	1 000	H	48.70	7.18	-46.08	34.70	-4.20	44.50	74.00	29.50
7 273.13	1 000	H	48.30	8.44	-45.91	35.87	-1.60	46.70	74.00	27.30
9 948.75	1 000	H	44.30	9.91	-43.69	37.28	3.50	47.80	74.00	26.20
21 841.75	1 000	H	46.40	13.40	-47.50	45.80	11.70	58.10	74.00	15.90
24 424.00	1 000	H	44.80	14.20	-47.60	45.10	11.70	56.50	74.00	17.50
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	39.50	3.85	-34.49	28.94	-1.70	37.80	54.00	16.20
2 386.75 [1)]	1 000	H	42.30	6.50	-34.22	31.22	3.50	45.80	54.00	8.20
4 846.88	1 000	H	41.10	7.18	-46.08	34.70	-4.20	36.90	54.00	17.10
7 273.13	1 000	H	39.90	8.44	-45.91	35.87	-1.60	38.30	54.00	15.70
9 948.75	1 000	H	36.10	9.91	-43.69	37.28	3.50	39.60	54.00	14.40
21 841.75	1 000	H	35.90	13.40	-47.50	45.80	11.70	47.60	54.00	6.40
24 424.00	1 000	H	36.10	14.20	-47.60	45.10	11.70	47.80	54.00	6.20
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

802. 11n HT40_Middle channel (2 437 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	46.50	3.85	-34.49	28.94	-1.70	44.80	74.00	29.20
2 192.75	1 000	V	38.80	6.14	-33.87	30.93	3.20	42.00	74.00	32.00
4 653.75	1 000	H	48.30	7.07	-46.05	34.38	-4.60	43.70	74.00	30.30
7 190.63	1 000	H	48.10	8.39	-45.97	35.88	-1.70	46.40	74.00	27.60
9 890.62	1 000	H	45.00	9.89	-43.70	37.21	3.40	48.40	74.00	25.60
21 927.00	1 000	V	46.10	13.50	-47.60	45.80	11.70	57.80	74.00	16.20
24 935.50	1 000	H	43.70	14.40	-47.30	45.40	12.50	56.20	74.00	17.80
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	40.60	3.85	-34.49	28.94	-1.70	38.90	54.00	15.10
2 192.75	1 000	V	32.90	6.14	-33.87	30.93	3.20	36.10	54.00	17.90
4 653.75	1 000	H	41.40	7.07	-46.05	34.38	-4.60	36.80	54.00	17.20
7 190.63	1 000	H	40.20	8.39	-45.97	35.88	-1.70	38.50	54.00	15.50
9 890.62	1 000	H	35.90	9.89	-43.70	37.21	3.40	39.30	54.00	14.70
21 927.00	1 000	V	36.00	13.50	-47.60	45.80	11.70	47.70	54.00	6.30
24 935.50	1 000	H	35.20	14.40	-47.30	45.40	12.50	47.70	54.00	6.30
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT40_Highest channel (2 452 ㎒)

Frequency [㎒]	Receiver Bandwidth [㎑]	Pol. [V/H]	Reading [dB(㎶)]	Cable Loss [dB]	Amp Gain [dB]	Antenna Factor [dB]	Factor [dB]	Result [dB(㎶/m)]	Limit [dB(㎶/m)]	Margin [dB]
Peak DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	48.10	3.85	-34.49	28.94	-1.70	46.40	74.00	27.60
2 485.75 [1)]	1 000	H	54.40	6.62	-34.39	31.37	3.60	58.00	74.00	16.00
4 666.88	1 000	H	48.40	7.08	-45.98	34.40	-4.50	43.90	74.00	30.10
7 312.50	1 000	H	47.10	8.47	-45.93	35.86	-1.60	45.50	74.00	28.50
9 847.50	1 000	H	44.40	9.88	-43.74	37.16	3.30	47.70	74.00	26.30
21 852.75	1 000	H	46.00	13.40	-47.50	45.80	11.70	57.70	74.00	16.30
24 861.25	1 000	H	44.50	14.40	-47.40	45.40	12.40	56.90	74.00	17.10
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-
Average DATA. Emissions above 1 ㎓										
1 125.00	1 000	H	38.50	3.85	-34.49	28.94	-1.70	36.80	54.00	17.20
2 485.75 [1)]	1 000	H	42.90	6.62	-34.39	31.37	3.60	46.50	54.00	7.50
4 666.88	1 000	H	41.40	7.08	-45.98	34.40	-4.50	36.90	54.00	17.10
7 312.50	1 000	H	39.20	8.47	-45.93	35.86	-1.60	37.60	54.00	16.40
9 847.50	1 000	H	36.70	9.88	-43.74	37.16	3.30	40.00	54.00	14.00
21 852.75	1 000	H	35.90	13.40	-47.50	45.80	11.70	47.60	54.00	6.40
24 861.25	1 000	H	35.50	14.40	-47.40	45.40	12.40	47.90	54.00	6.10
Above 25 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

NOTE 1. Factor = Cable loss + Amp gain + Antenna factor
[1)] Restricted band.

5.7.4 Test Plot

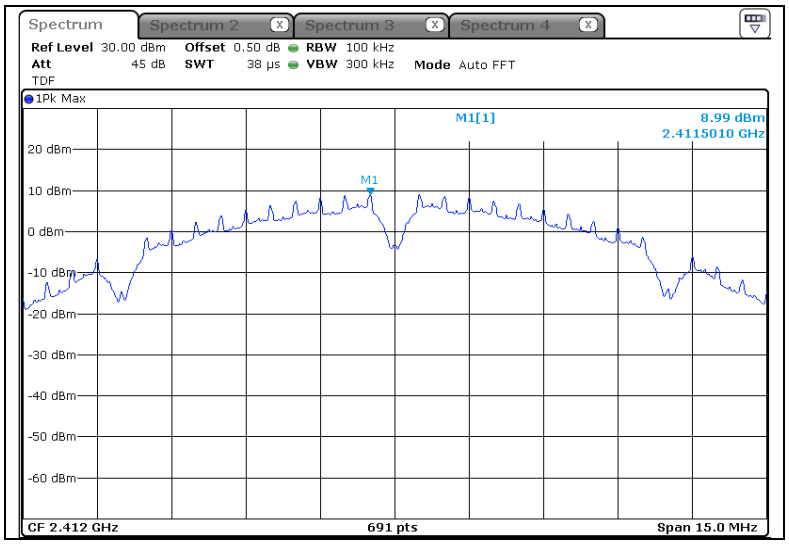
Figure 3. Plot of the Band-edge & Conducted Spurious Emissions

- ANT 1

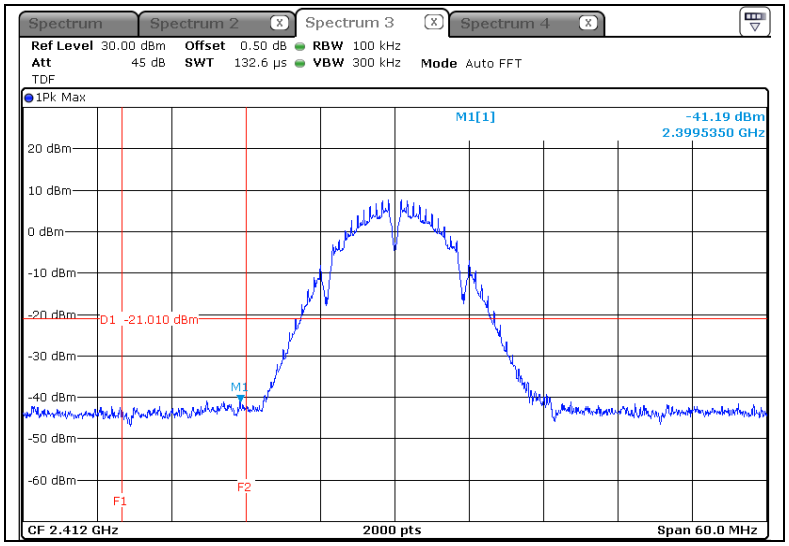
- 802.11b

Lowest Channel (2 412 ㎒)

Reference

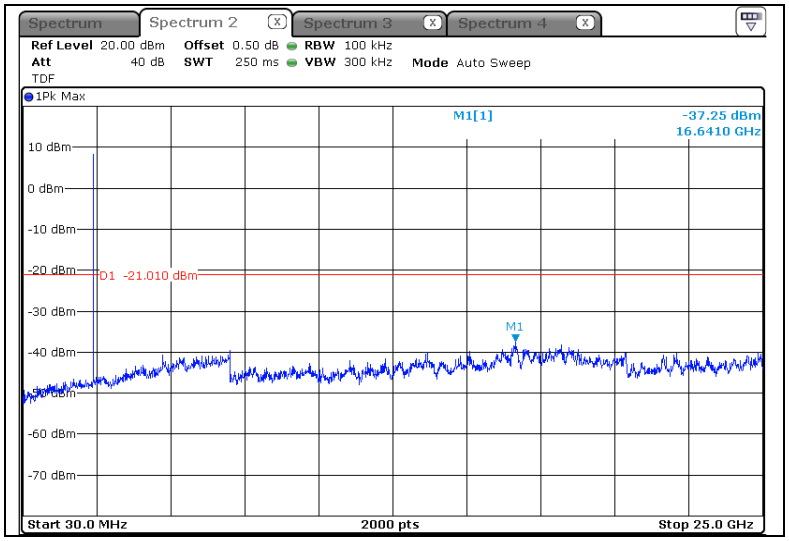


Band-edge



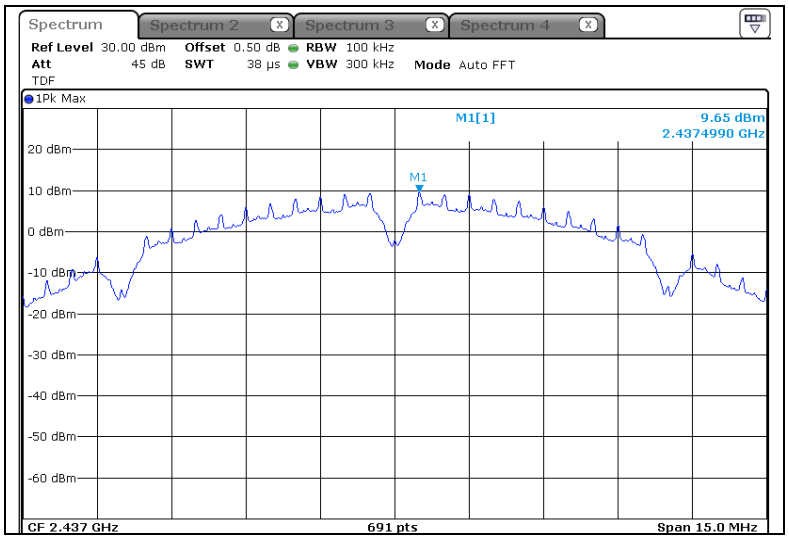
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

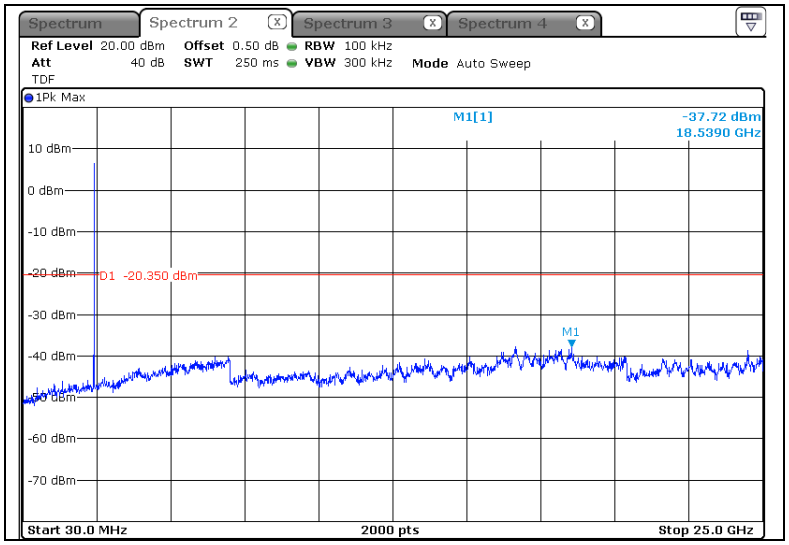


Middle Channel (2 437 ㎒)

Reference

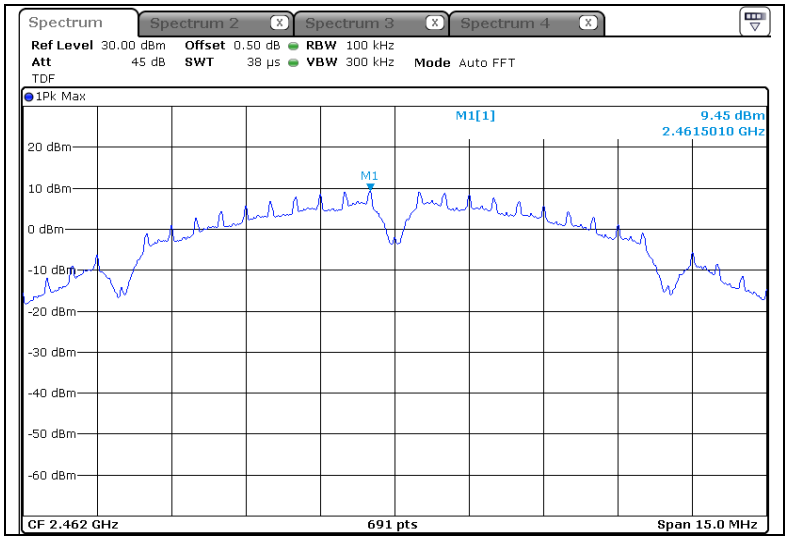


Conducted Spurious Emissions

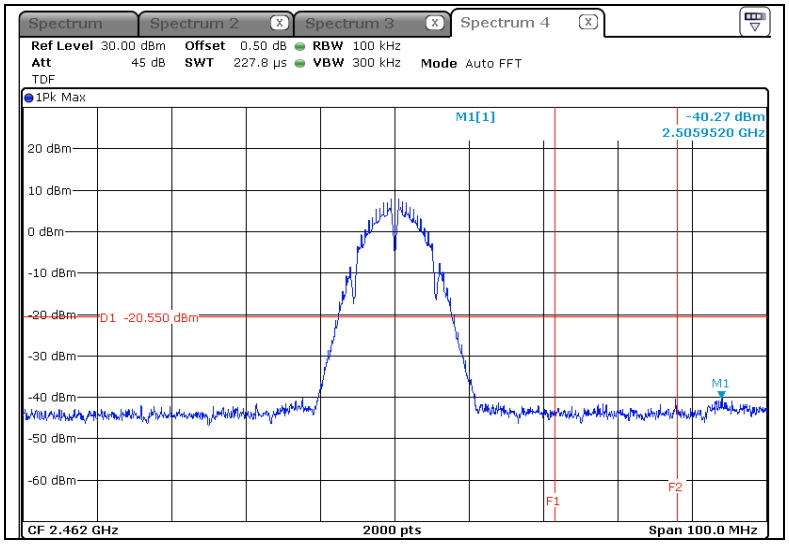


Highest Channel (2 462 ㎒)

Reference

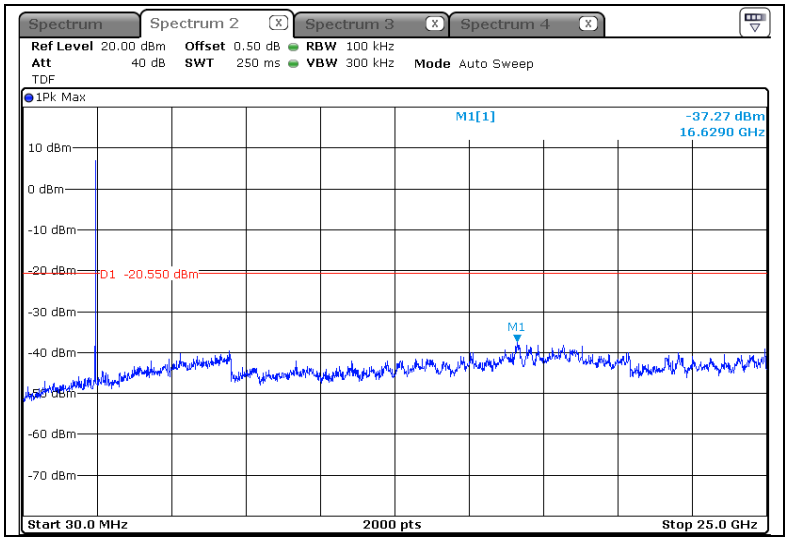


Band-edge



- Result of 2 483.5 ㎒

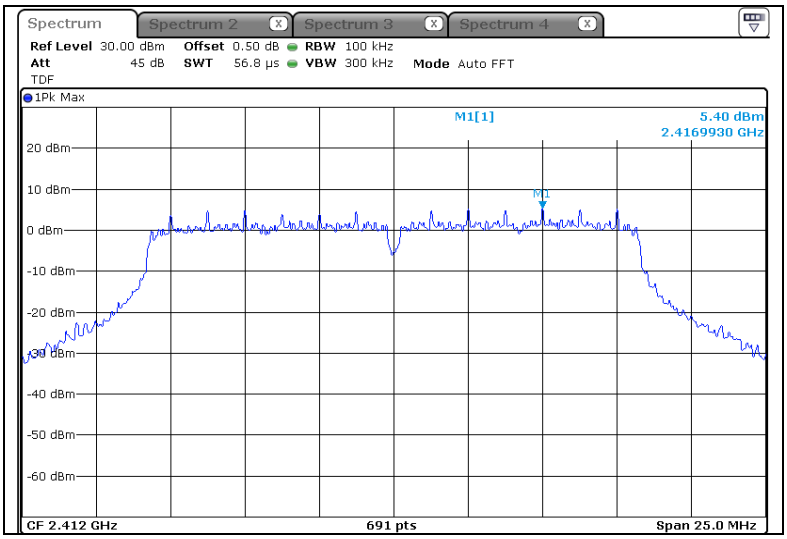
Conducted Spurious Emissions



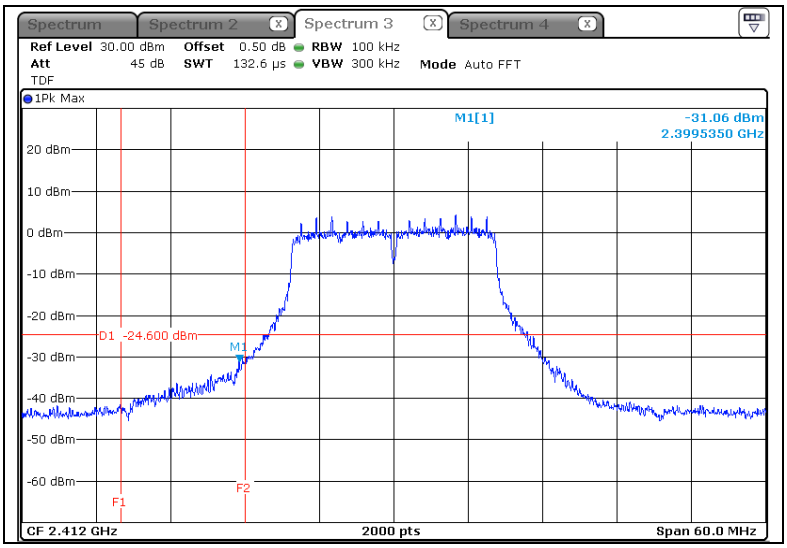
- 802.11g

Lowest Channel (2 412 ㎒)

Reference

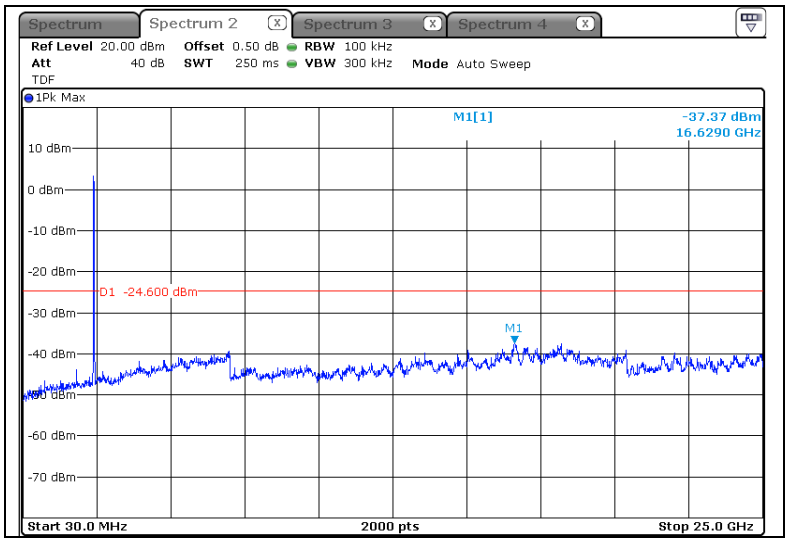


Band-edge



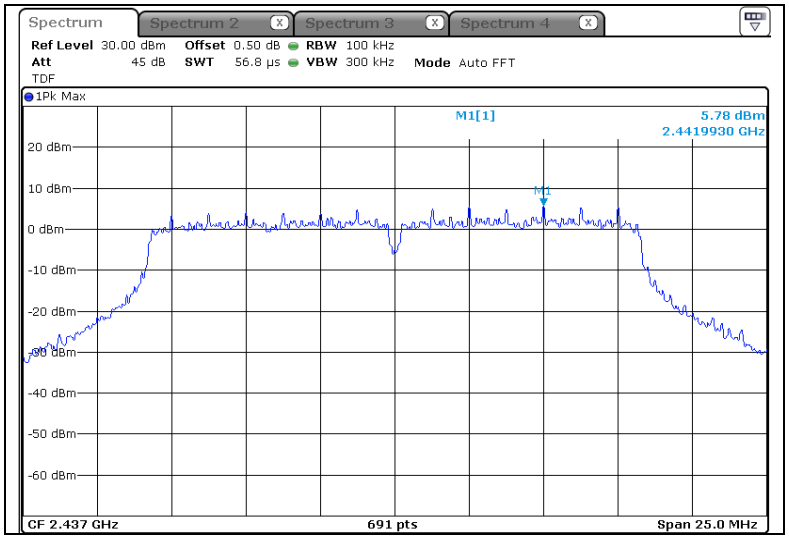
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

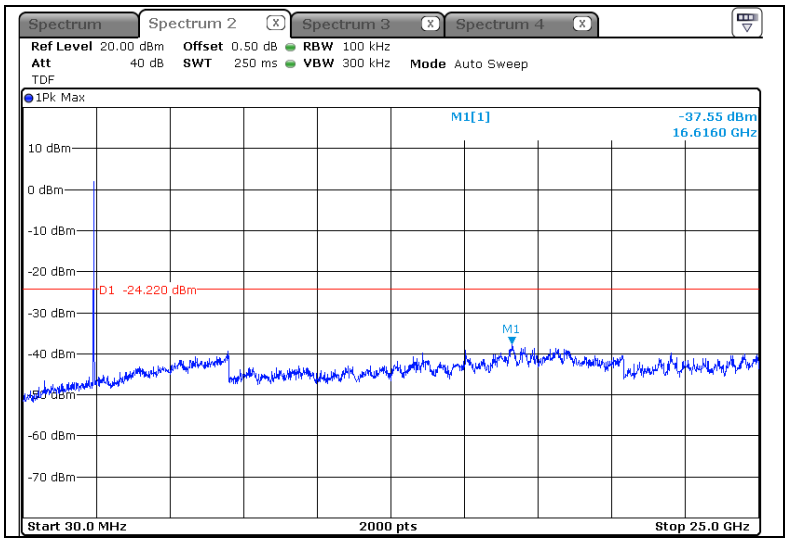


Middle Channel (2 437 ㎒)

Reference

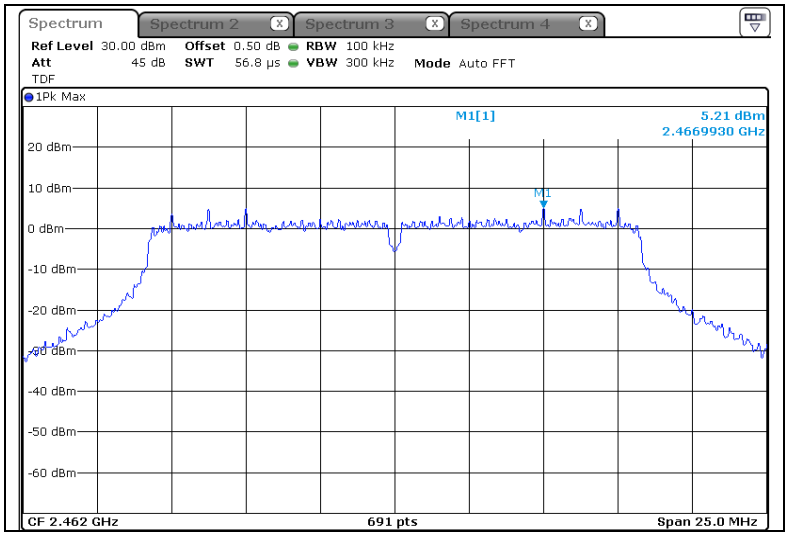


Conducted Spurious Emissions

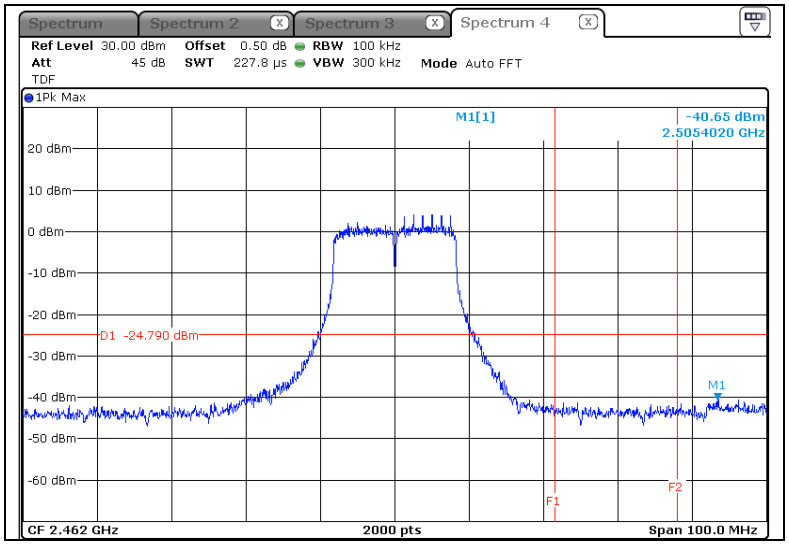


Highest Channel (2 462 ㎒)

Reference

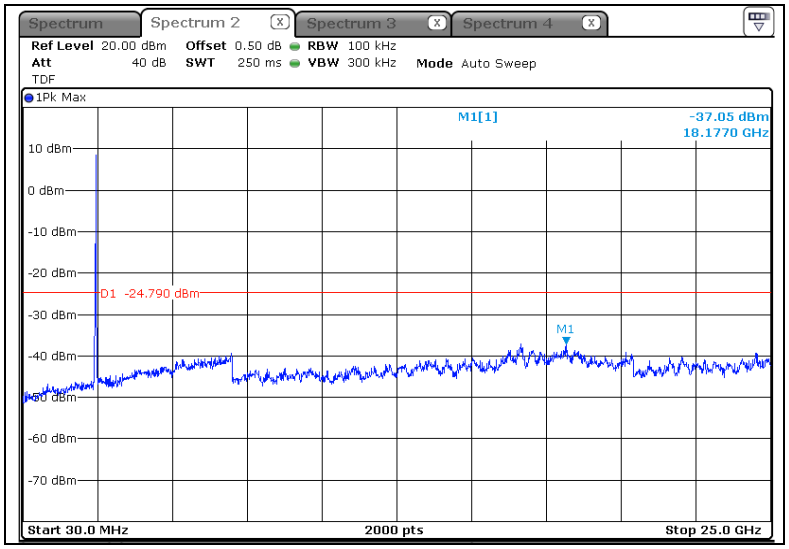


Band-edge



- Result of 2 483.5 ㎒

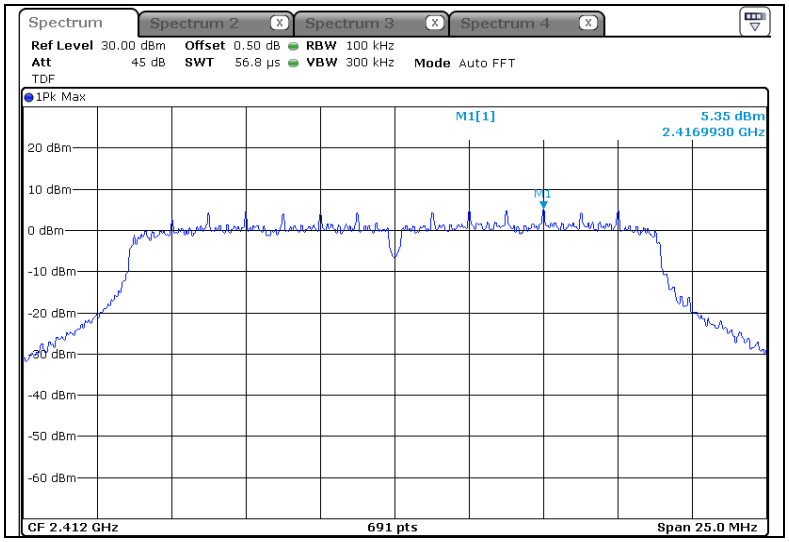
Conducted Spurious Emissions



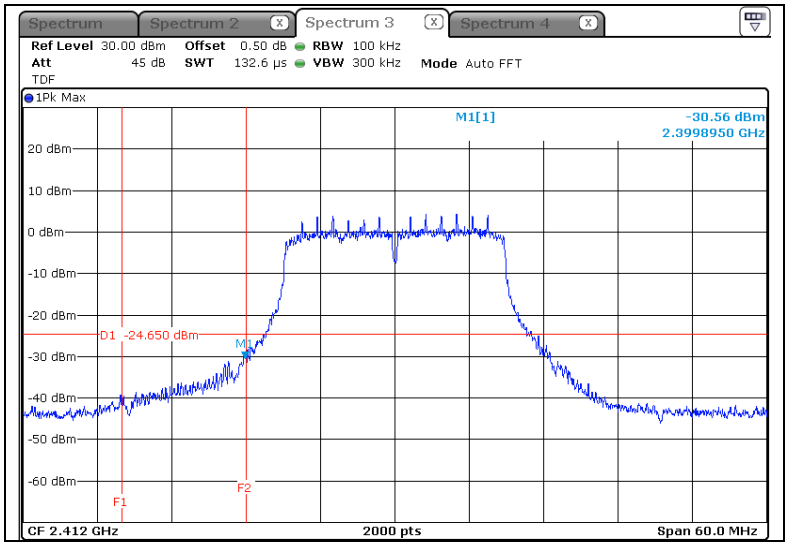
- 802.11n HT20

Lowest Channel (2 412 ㎒)

Reference

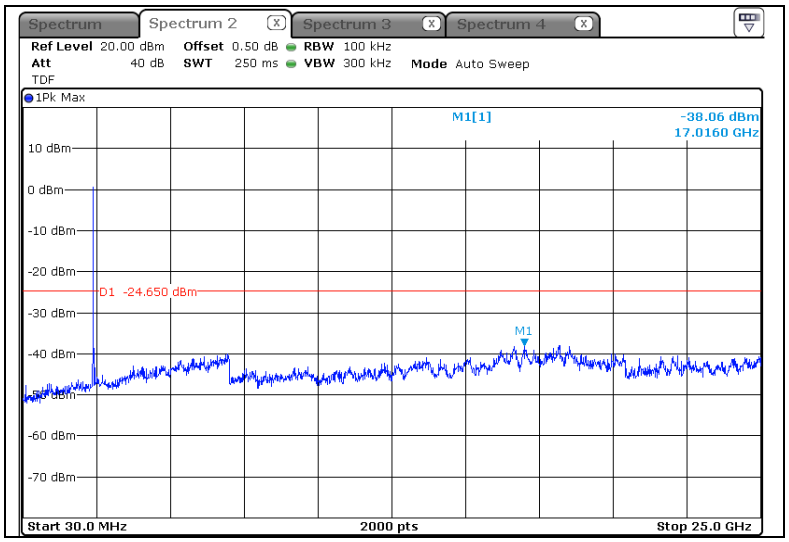


Band-edge



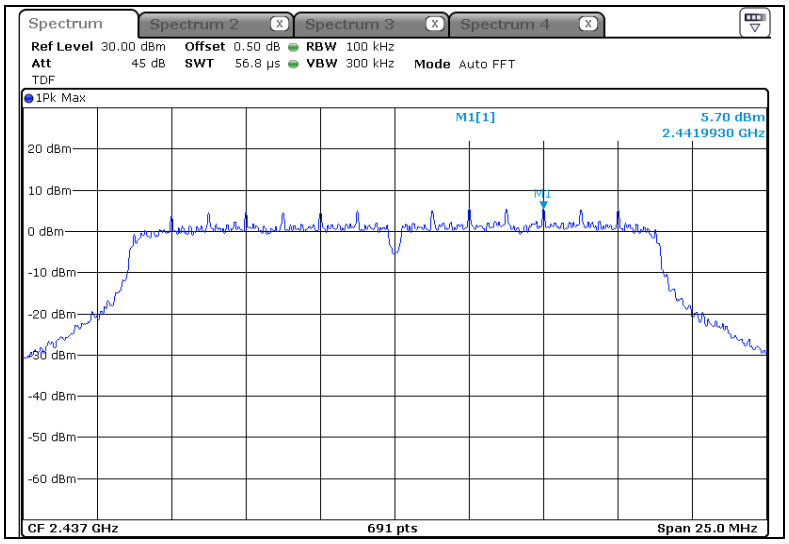
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

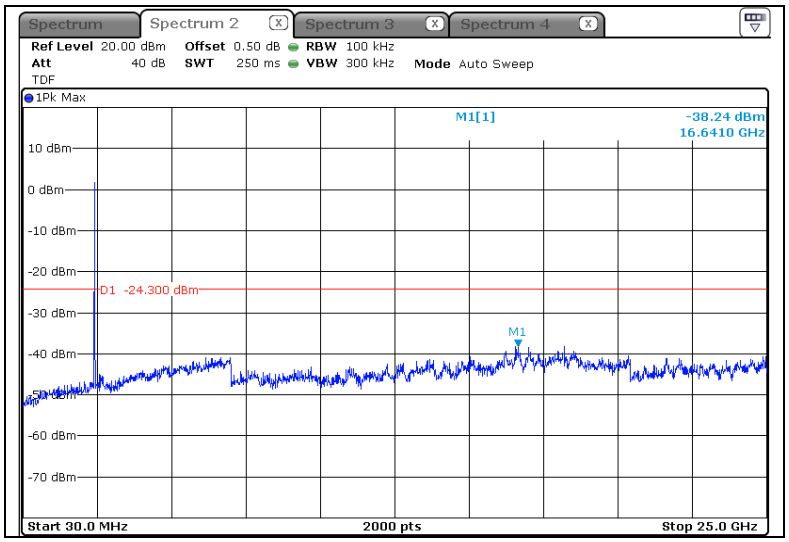


Middle Channel (2 437 ㎒)

Reference

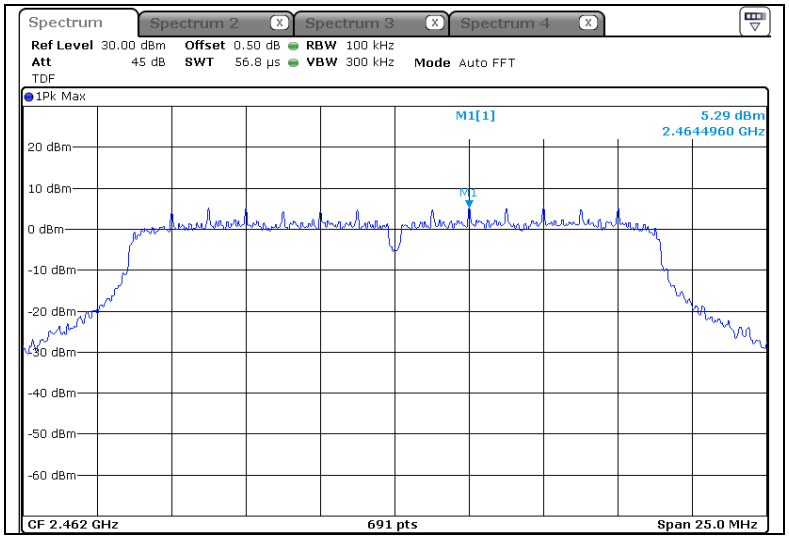


Conducted Spurious Emissions

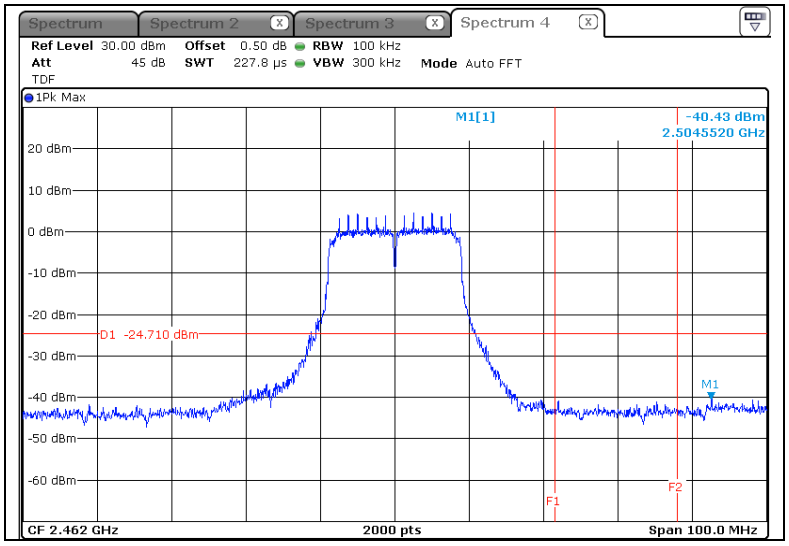


Highest Channel (2 462 ㎒)

Reference

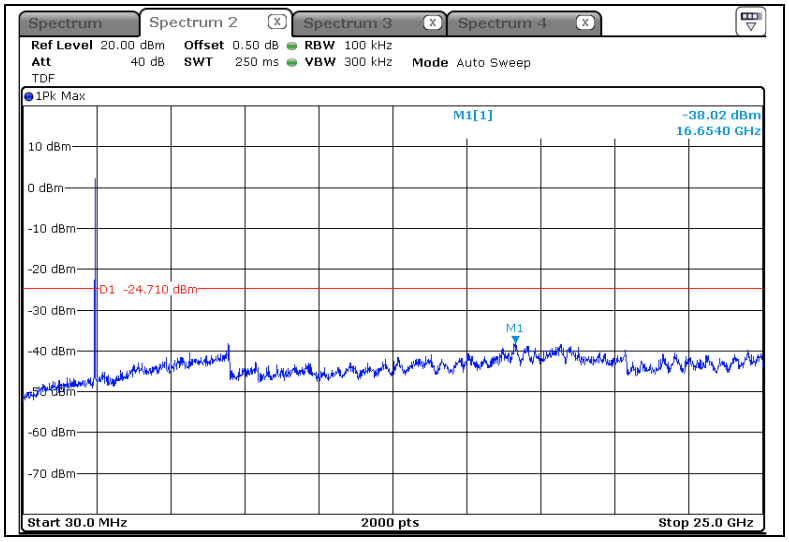


Band-edge



- Result of 2 483.5 ㎒

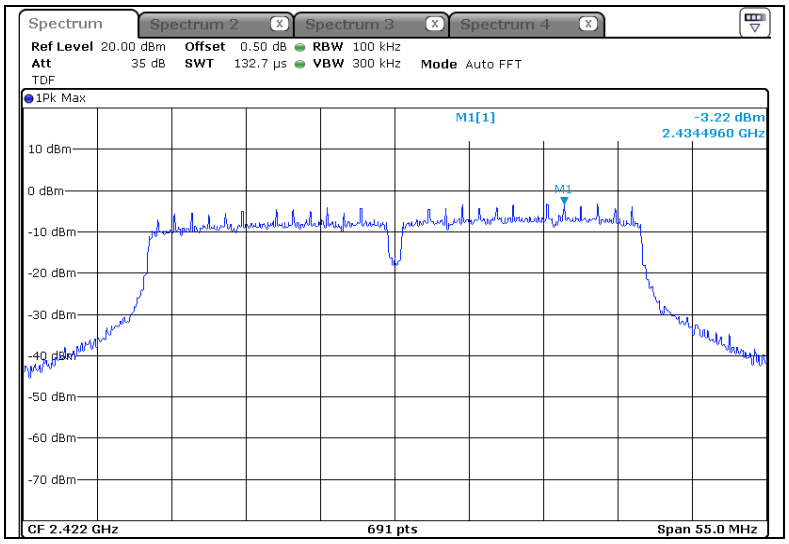
Conducted Spurious Emissions



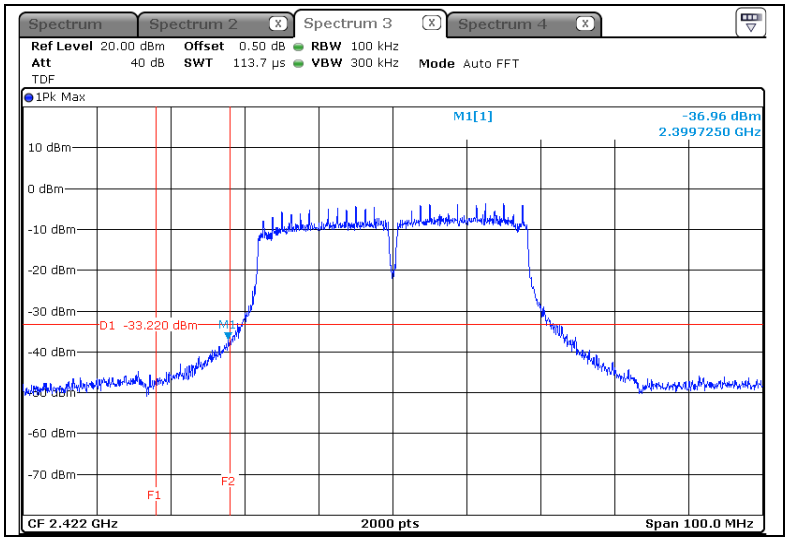
- 802.11n HT40

Lowest Channel (2 422 ㎒)

Reference

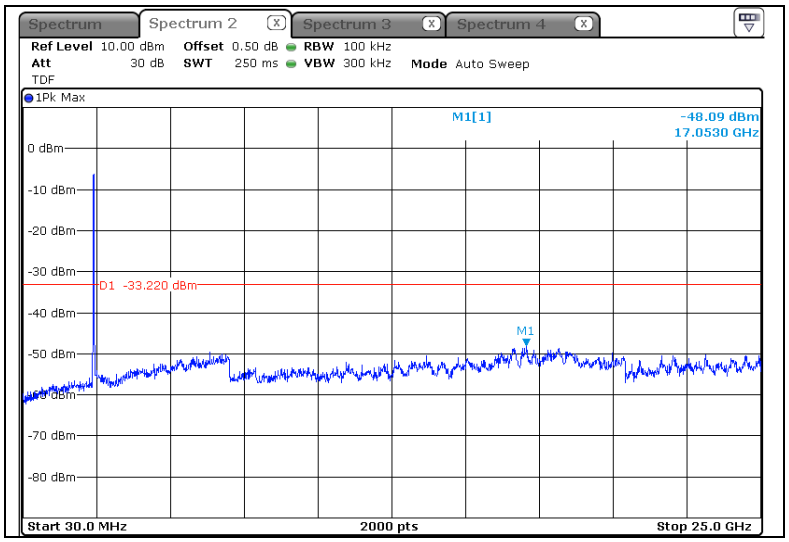


Band-edge



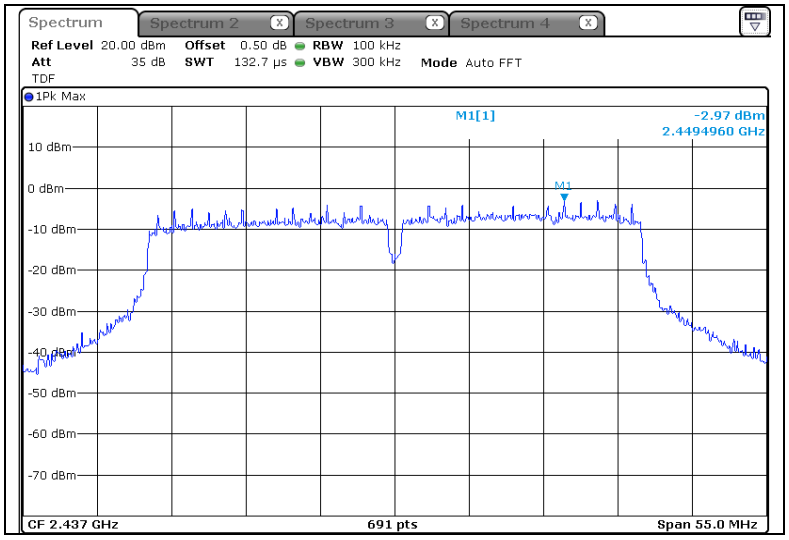
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

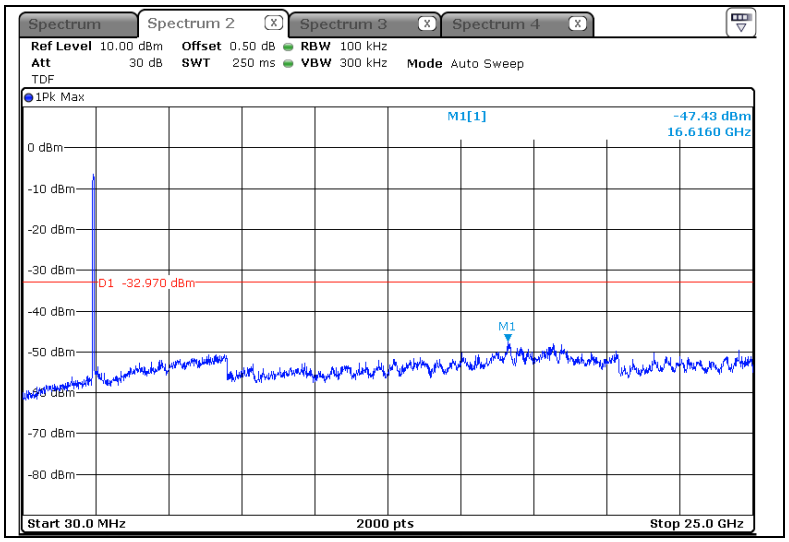


Middle Channel (2 437 ㎒)

Reference

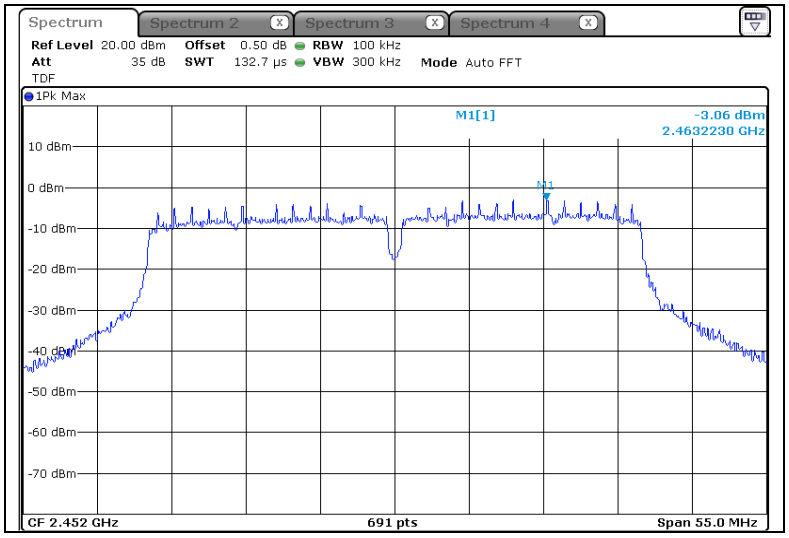


Conducted Spurious Emissions

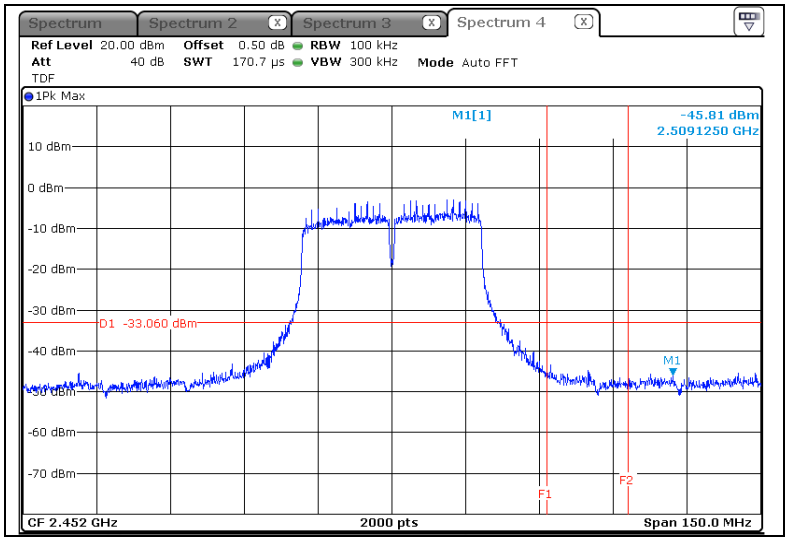


Highest Channel (2 452 ㎒)

Reference

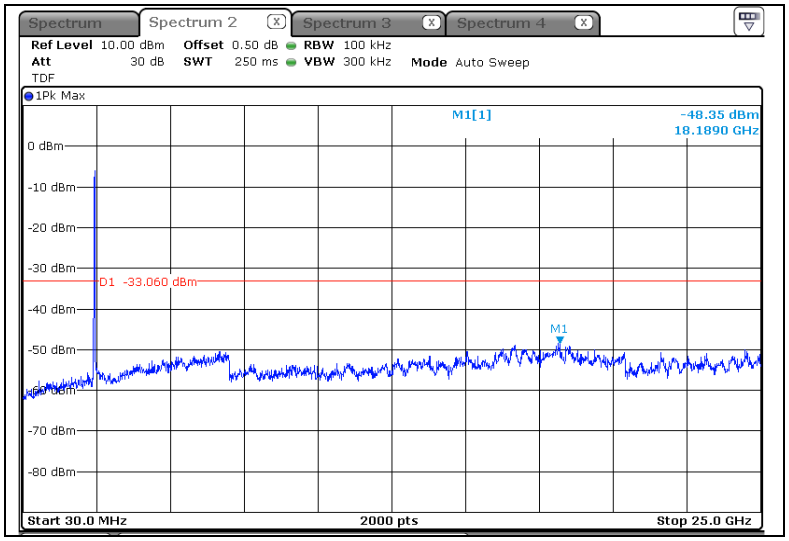


Band-edge



- Result of 2 483.5 ㎒

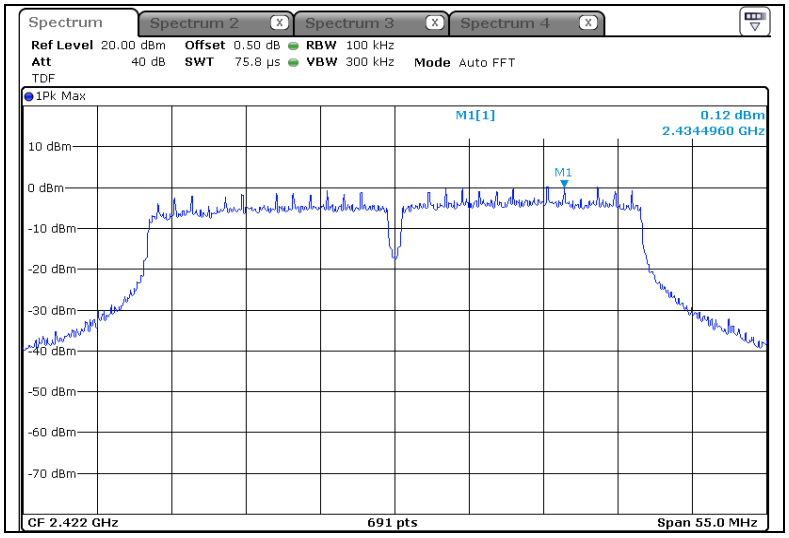
Conducted Spurious Emissions



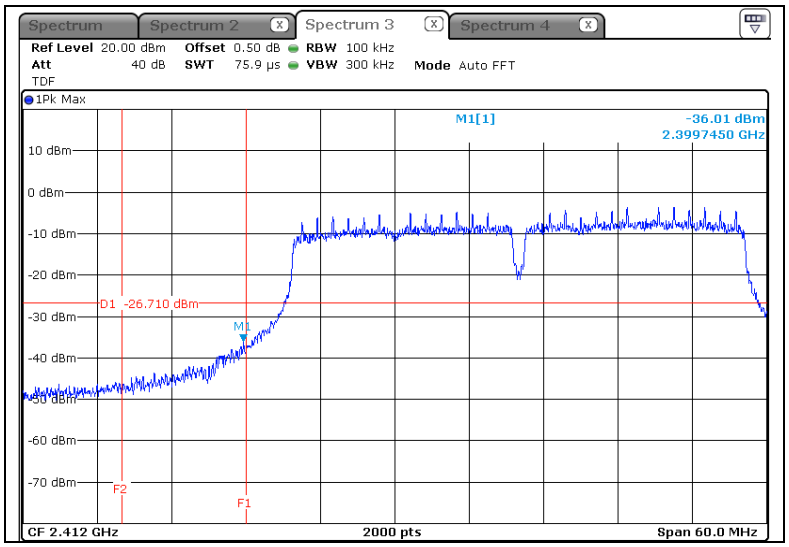
- 802.11n HT40

Lowest Channel (2 422 ㎒)

Reference

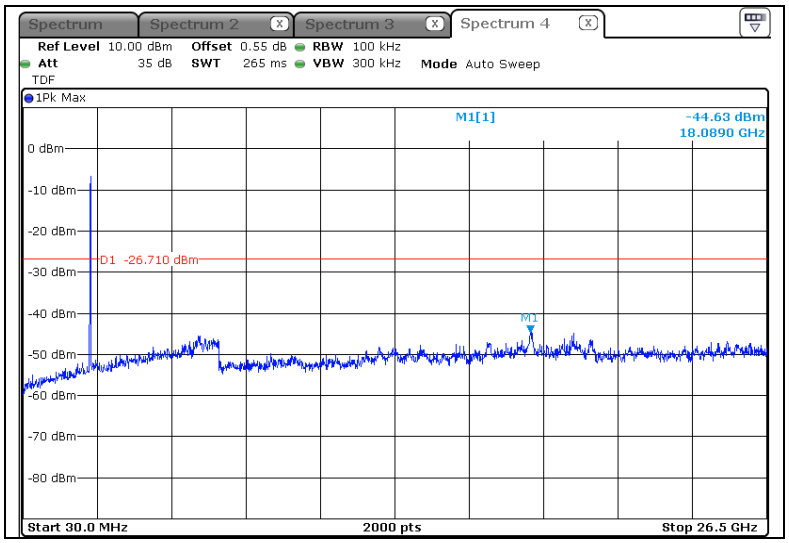


Band-edge



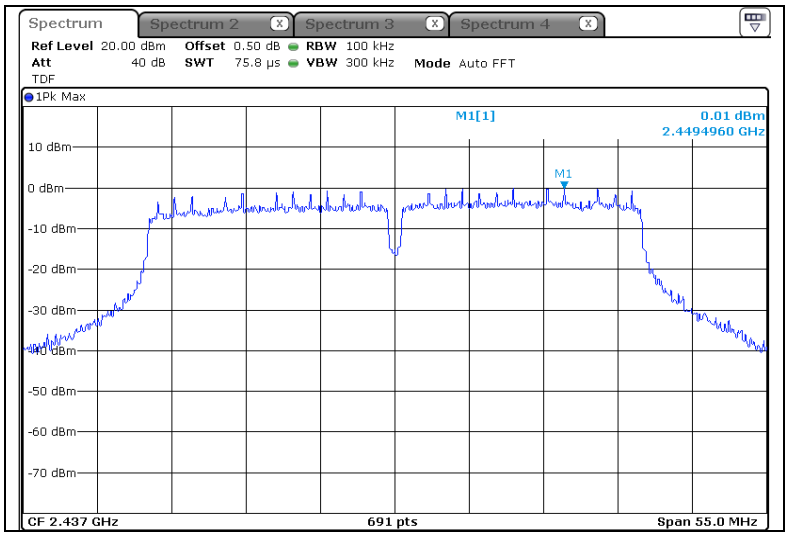
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

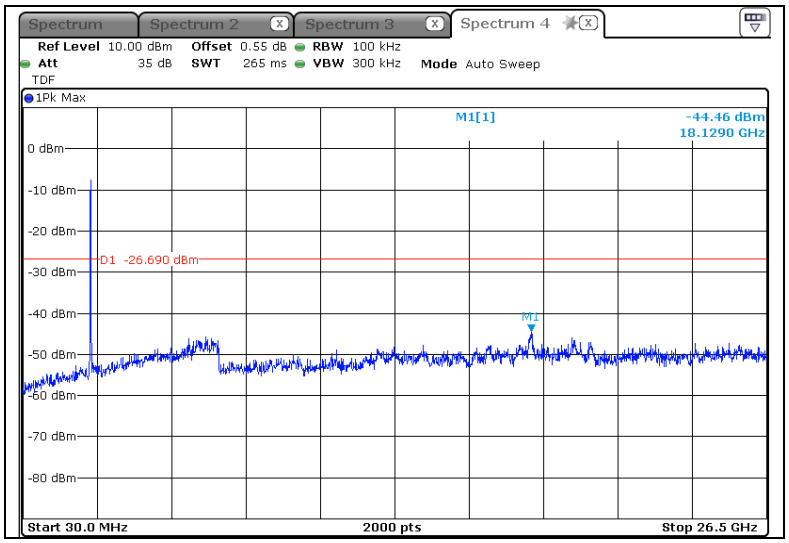


Middle Channel (2 437 ㎒)

Reference

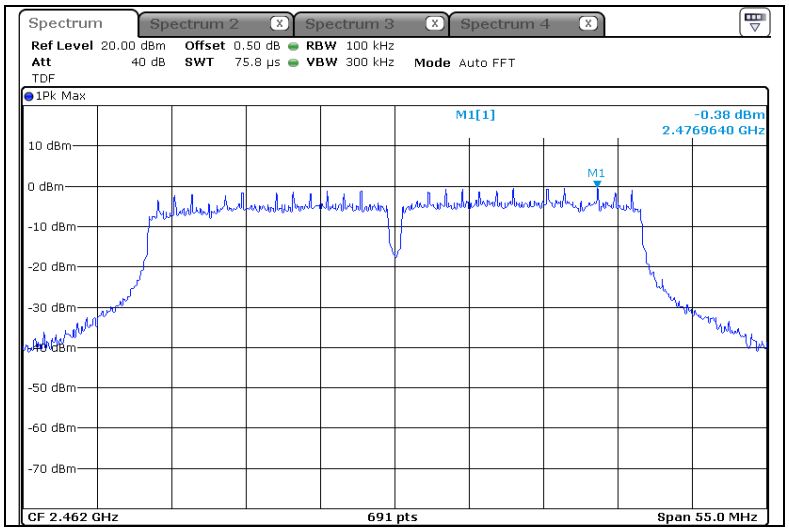


Conducted Spurious Emissions

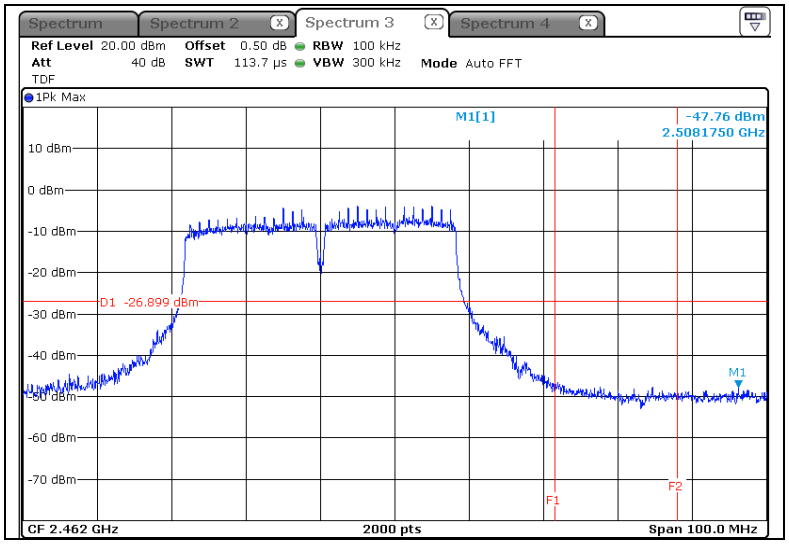


Highest Channel (2 452 ㎒)

Reference

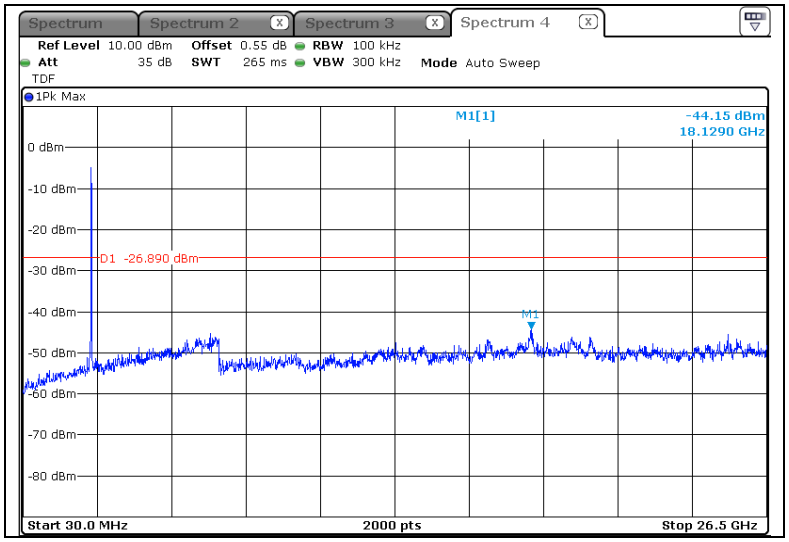


Band-edge



- Result of 2 483.5 ㎒

Conducted Spurious Emissions

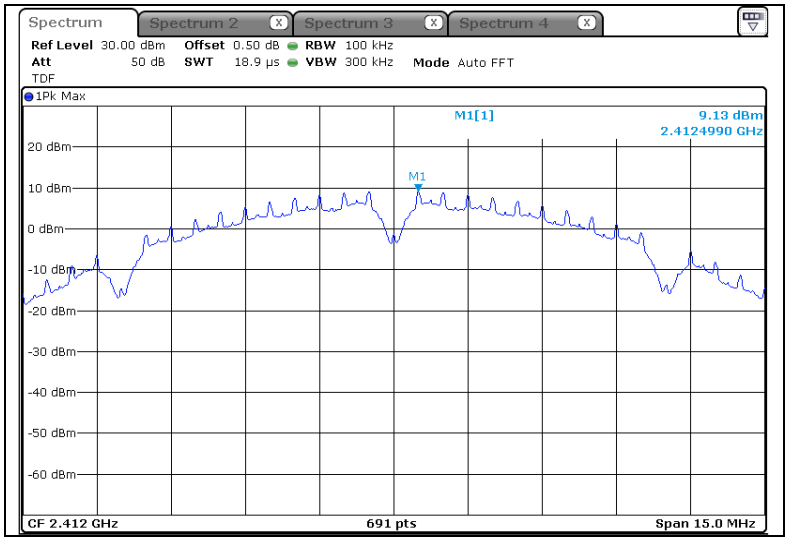


- ANT 2

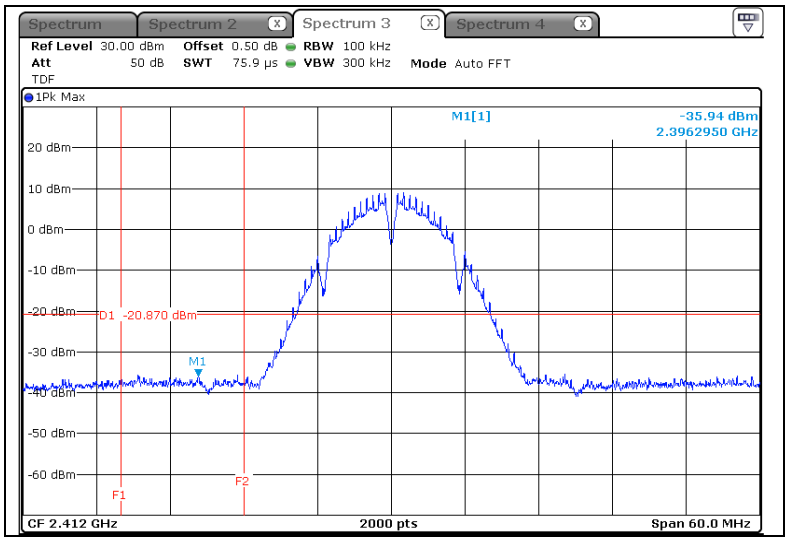
- 802.11b

Lowest Channel (2 412 ㎒)

Reference

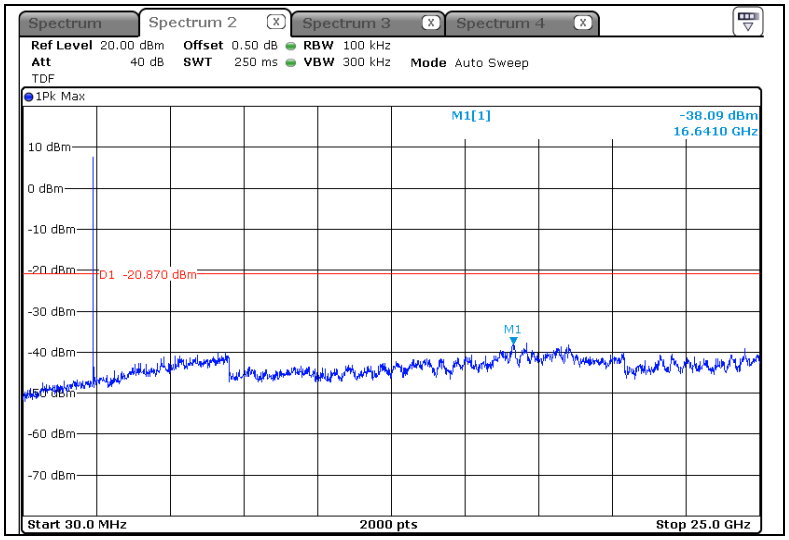


Band-edge



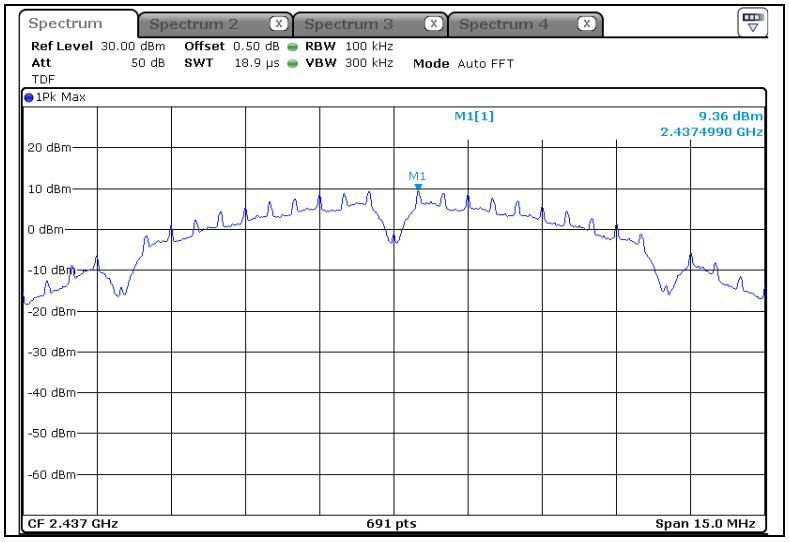
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

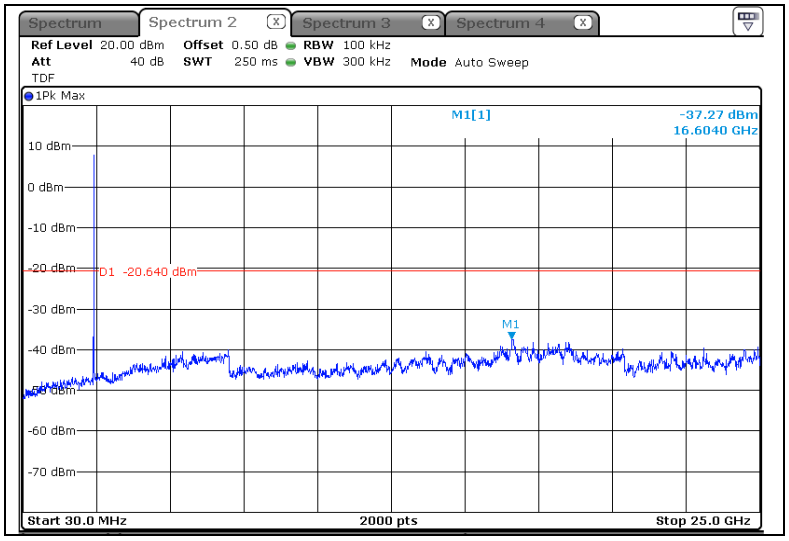


Middle Channel (2 437 ㎒)

Reference

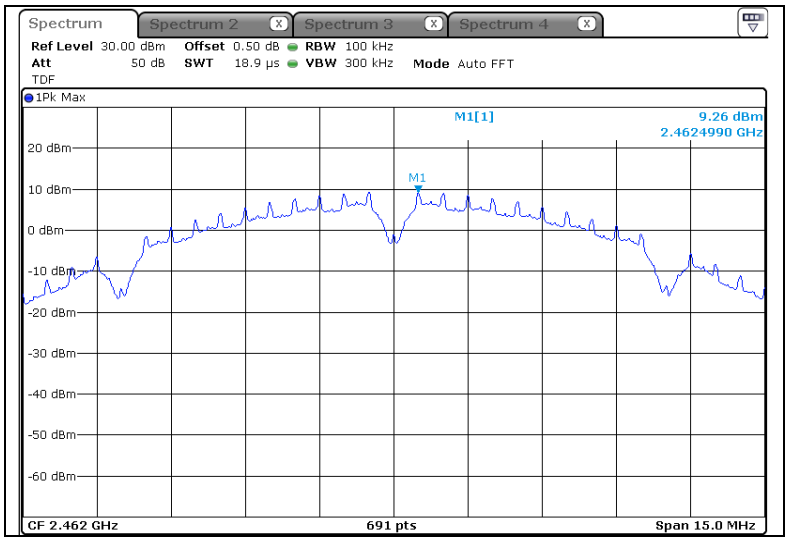


Conducted Spurious Emissions

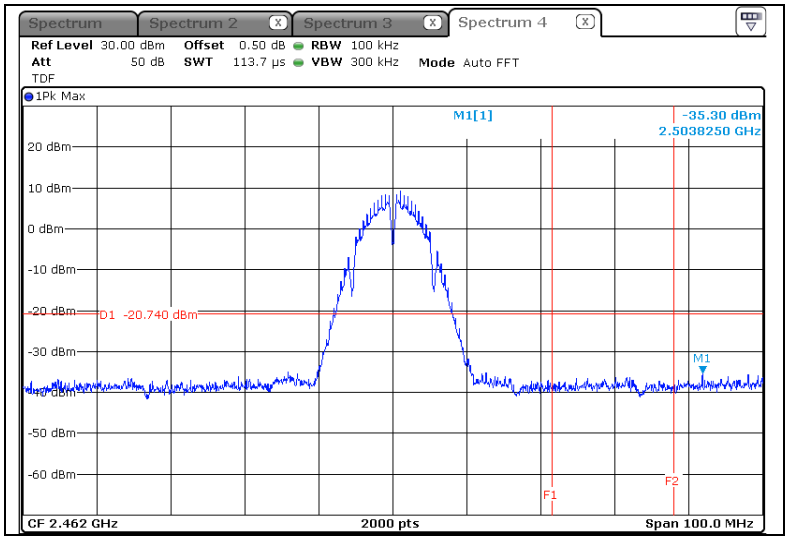


Highest Channel (2 462 ㎒)

Reference

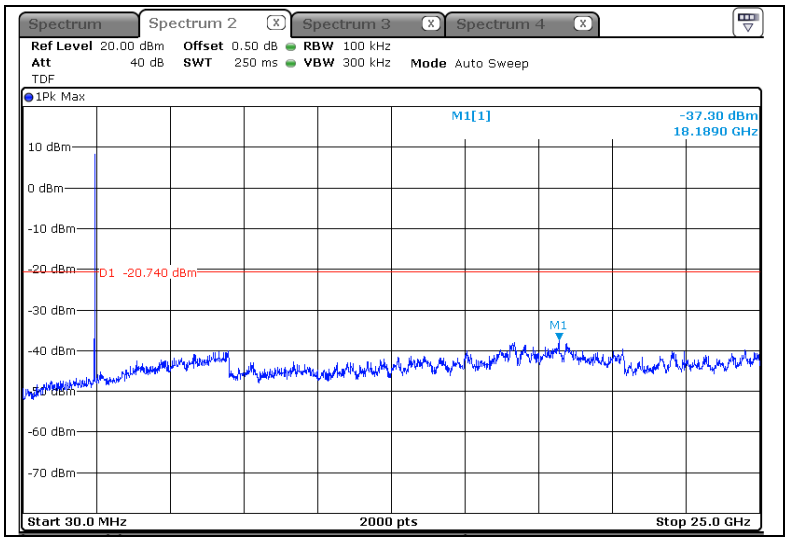


Band-edge



- Result of 2 483.5 ㎒

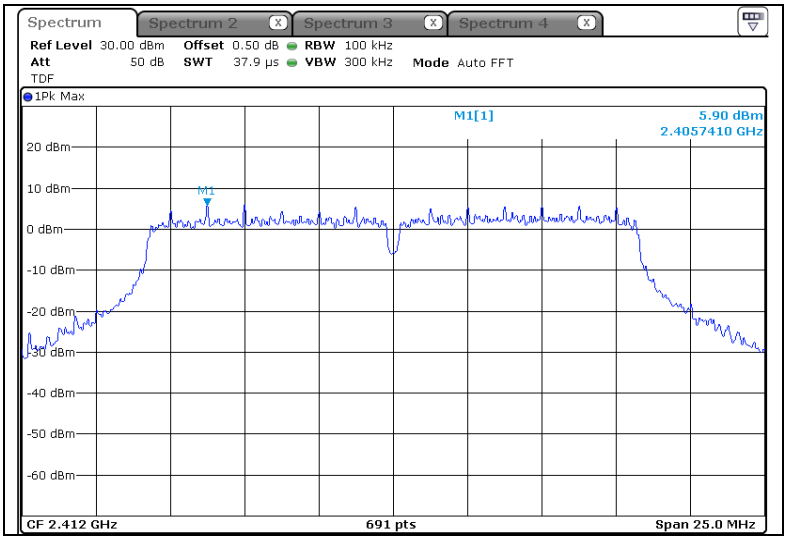
Conducted Spurious Emissions



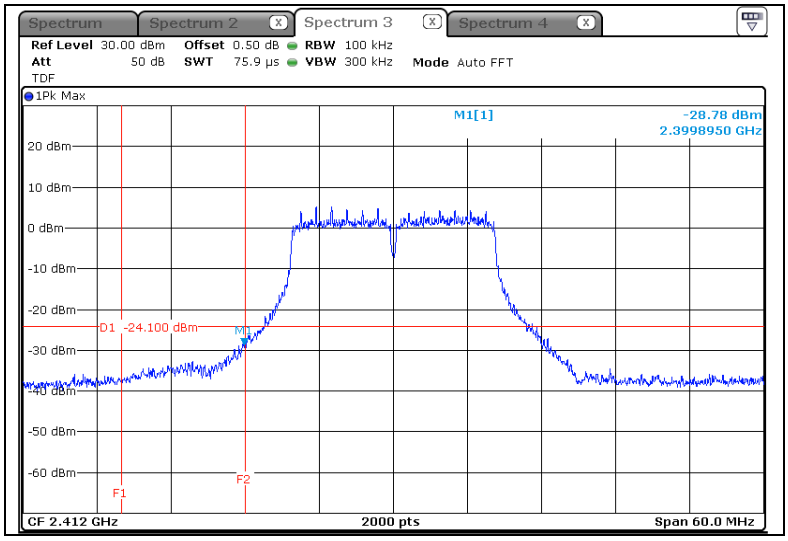
- 802.11g

Lowest Channel (2 412 ㎒)

Reference

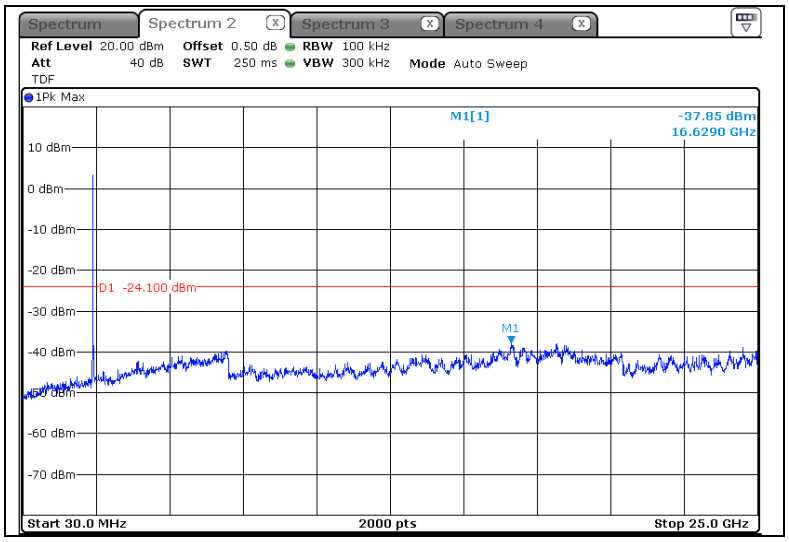


Band-edge



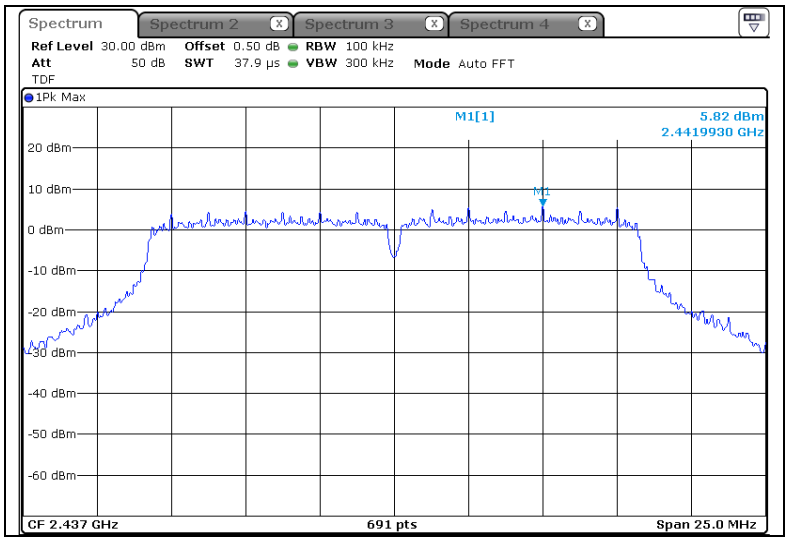
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

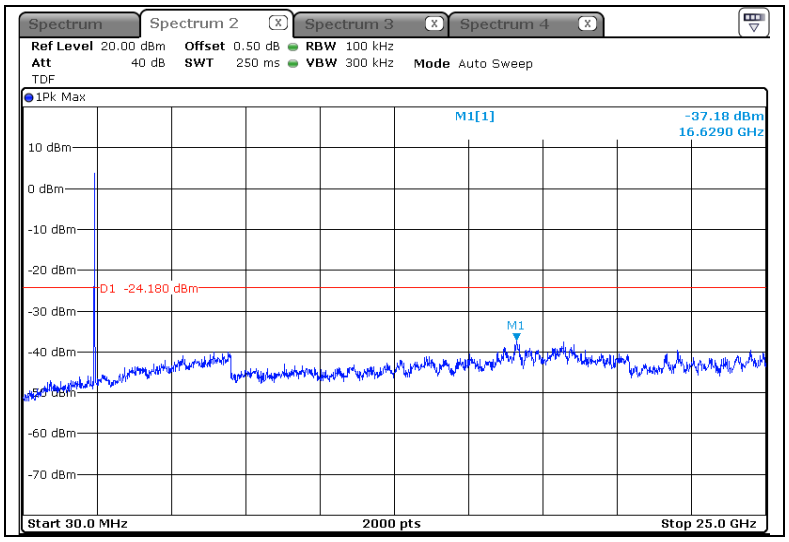


Middle Channel (2 437 ㎒)

Reference

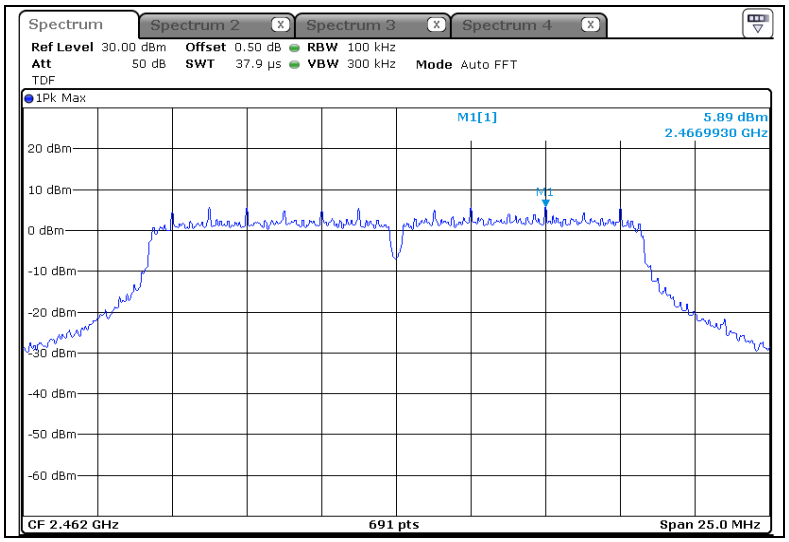


Conducted Spurious Emissions

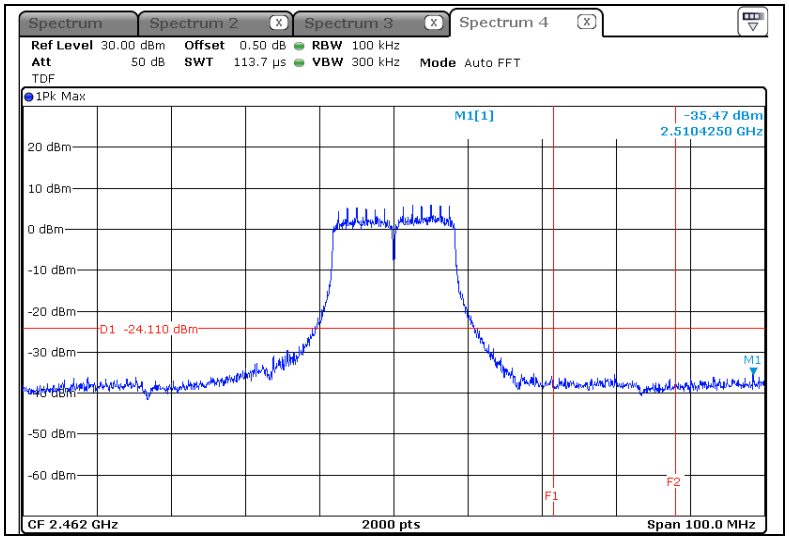


Highest Channel (2 462 ㎒)

Reference

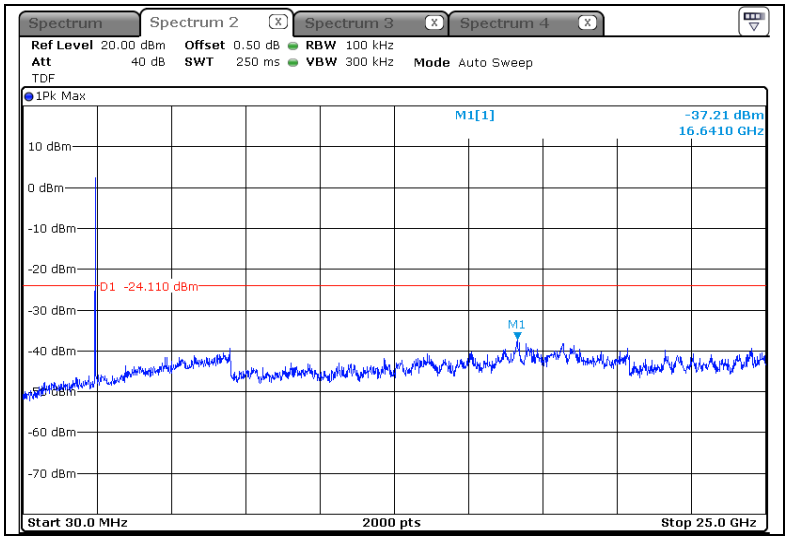


Band-edge



- Result of 2 483.5 ㎒

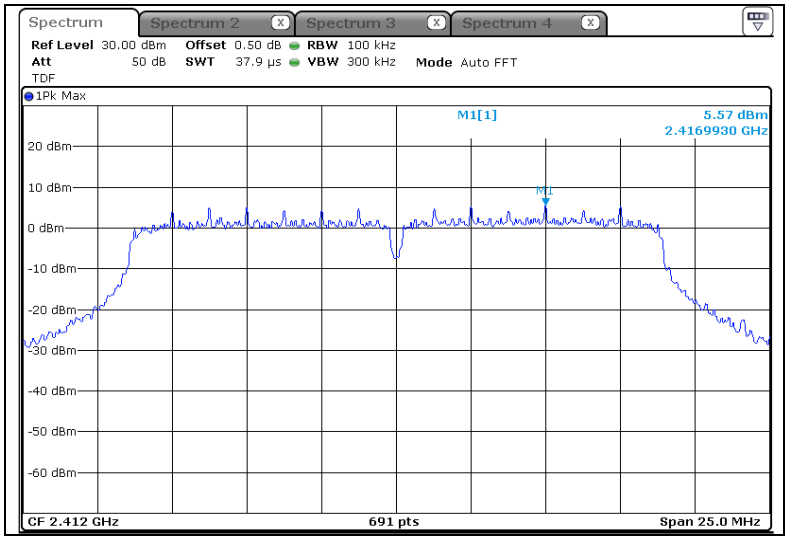
Conducted Spurious Emissions



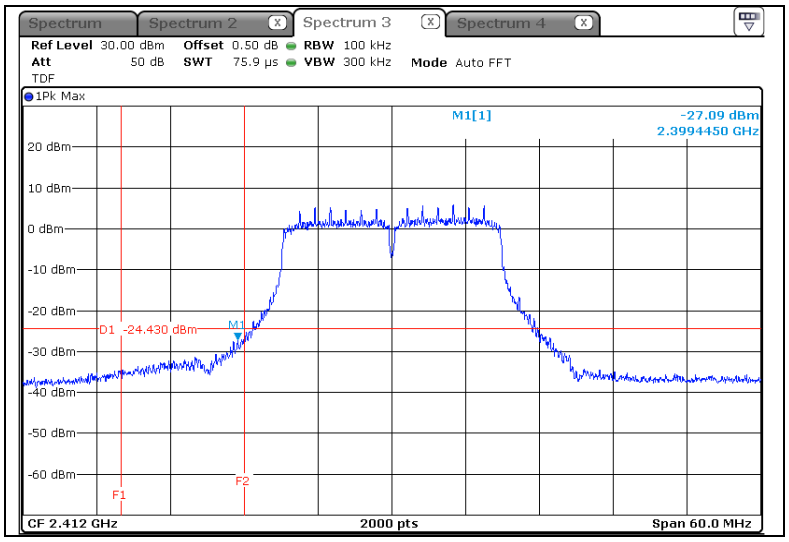
- 802.11n HT20

Lowest Channel (2 412 ㎒)

Reference

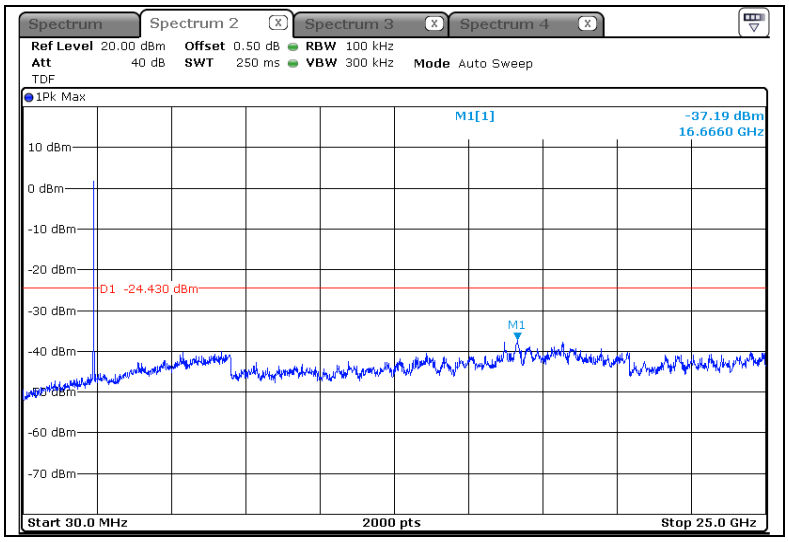


Band-edge



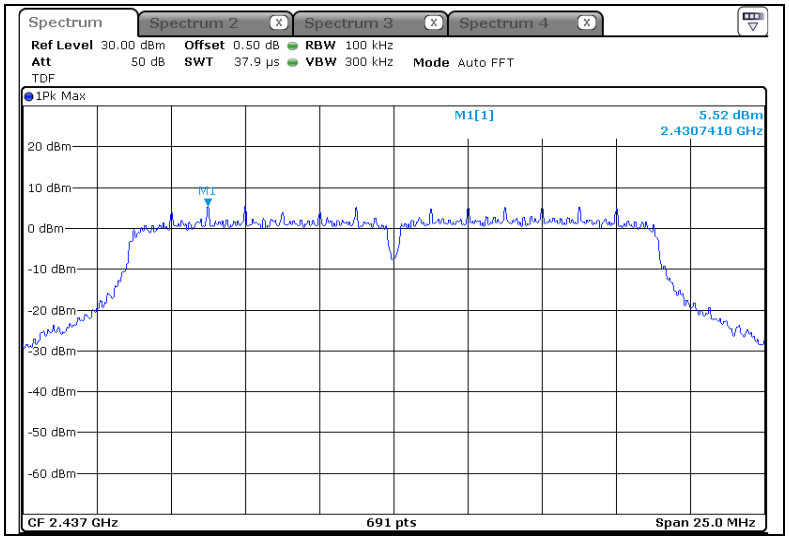
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

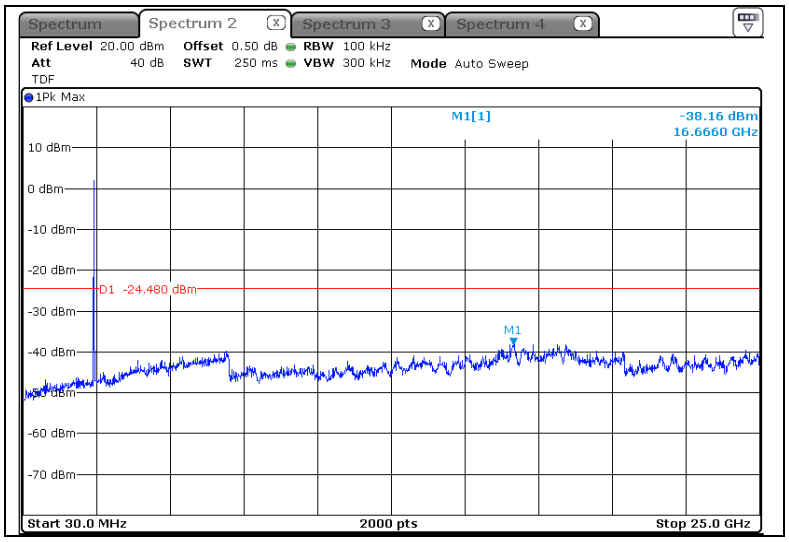


Middle Channel (2 437 ㎒)

Reference

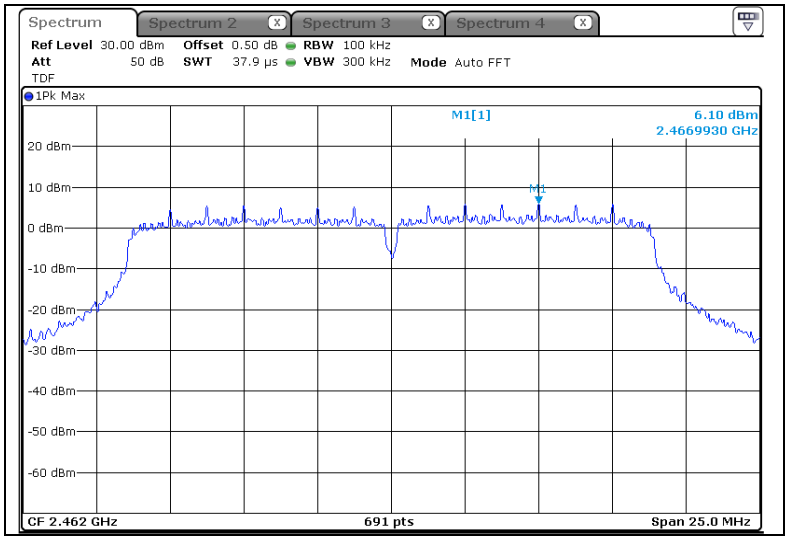


Conducted Spurious Emissions

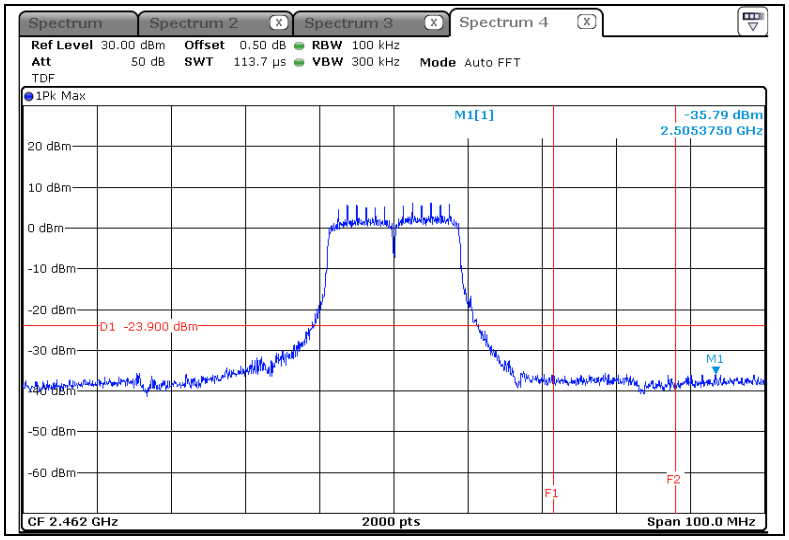


Highest Channel (2 462 ㎒)

Reference

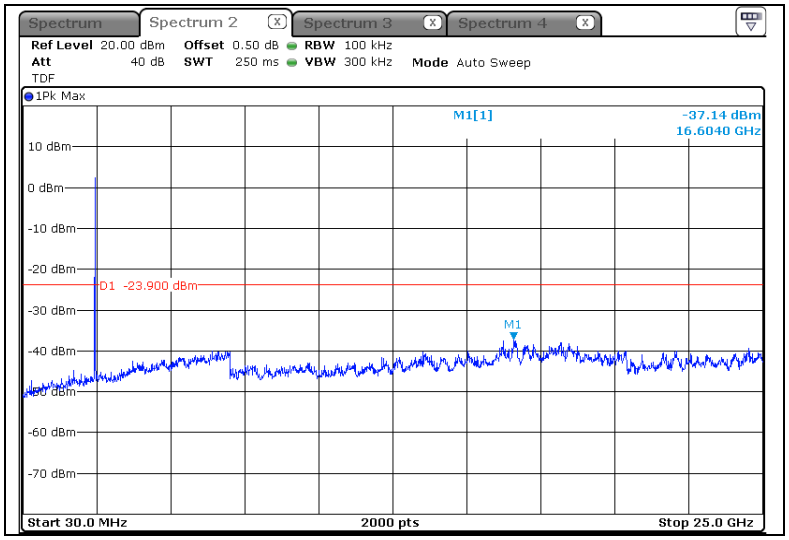


Band-edge



- Result of 2 483.5 ㎒

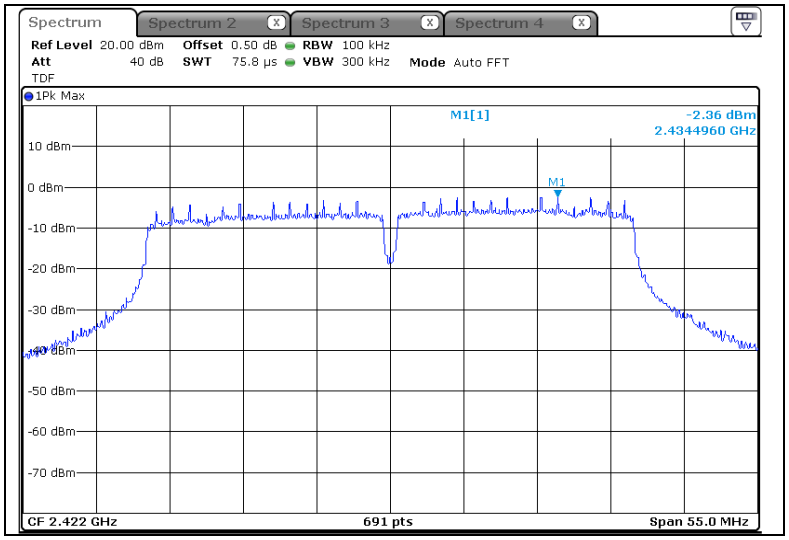
Conducted Spurious Emissions



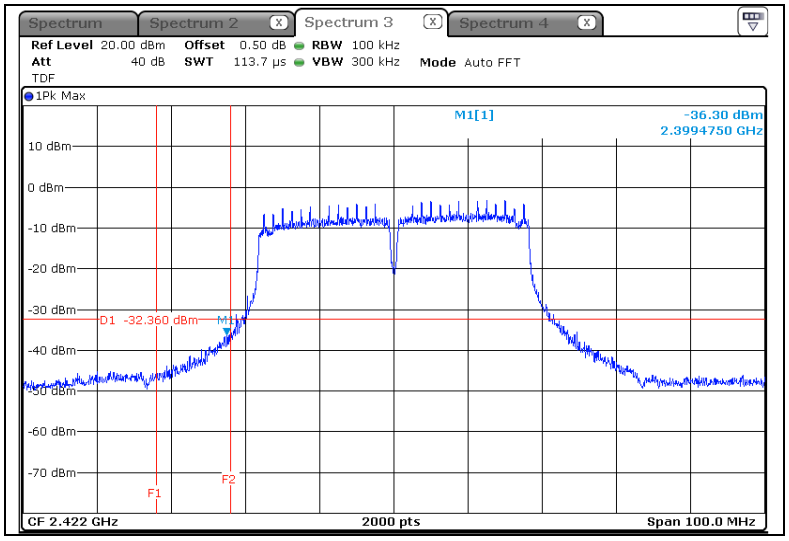
- 802.11n HT40

Lowest Channel (2 422 ㎒)

Reference

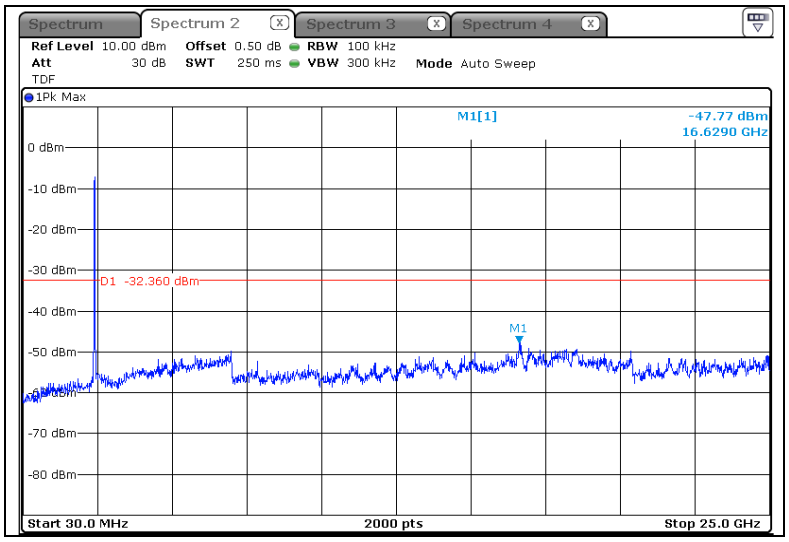


Band-edge



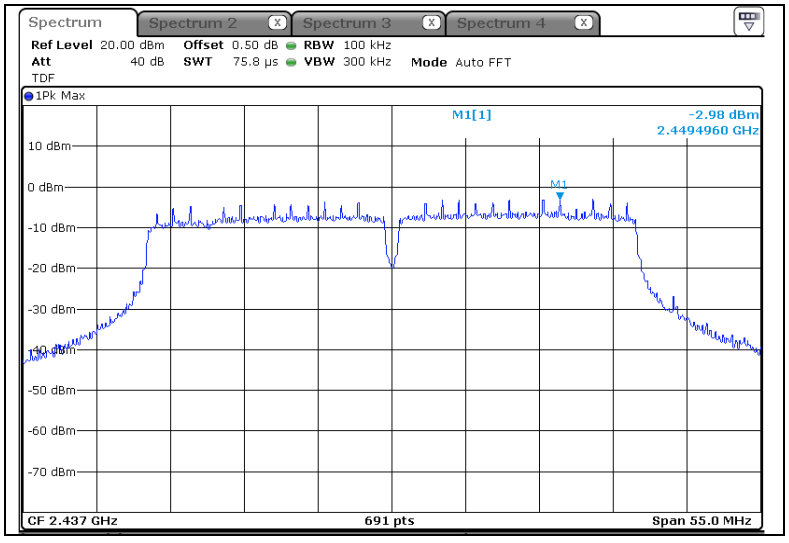
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

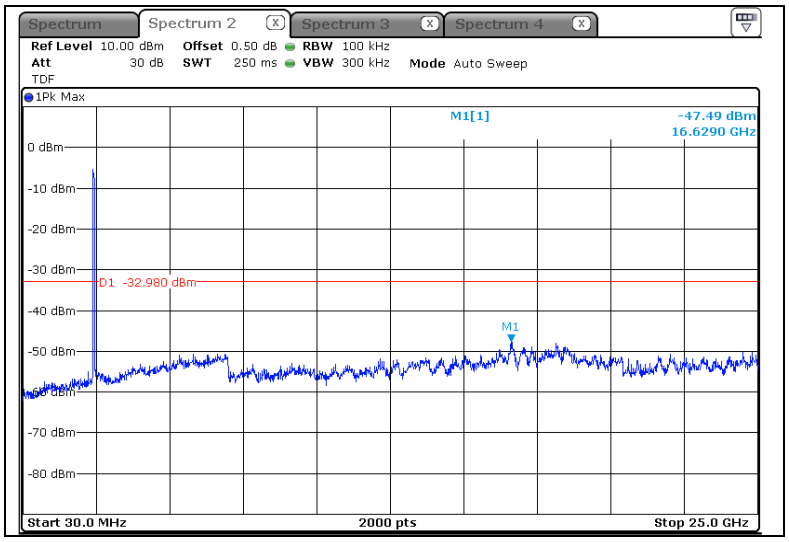


Middle Channel (2 437 ㎒)

Reference

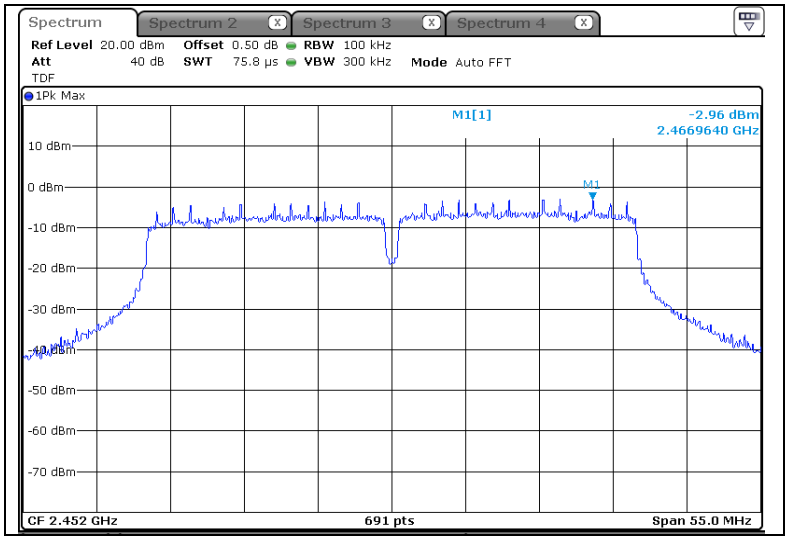


Conducted Spurious Emissions

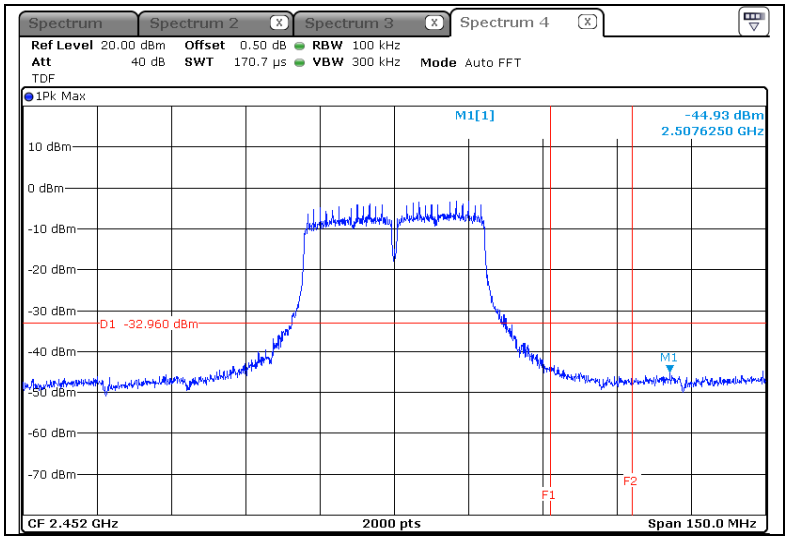


Highest Channel (2 452 ㎒)

Reference

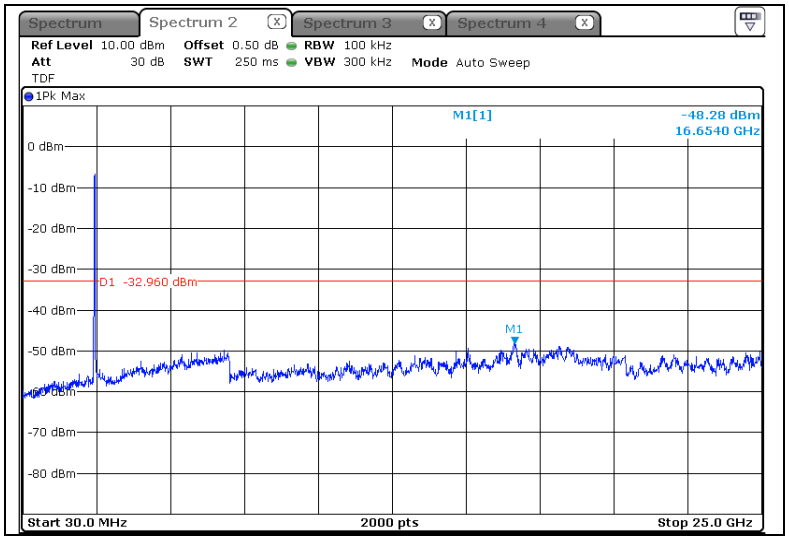


Band-edge



- Result of 2 483.5 ㎒

Conducted Spurious Emissions

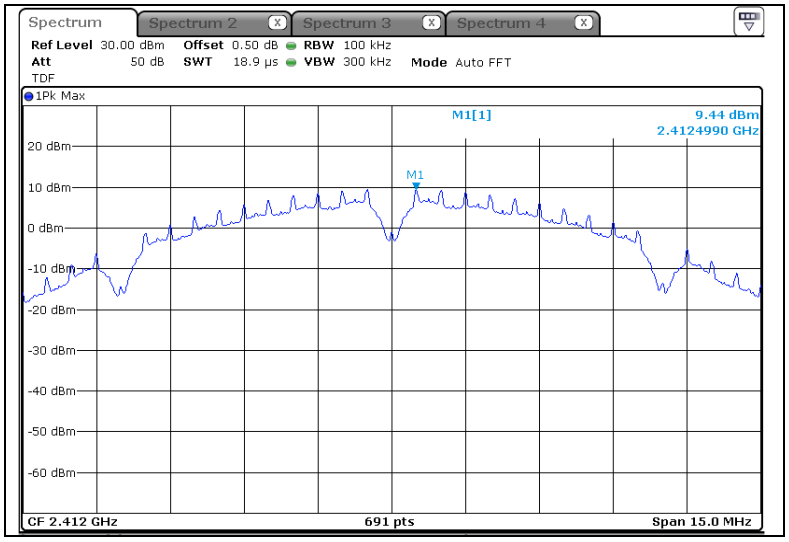


- ANT 3

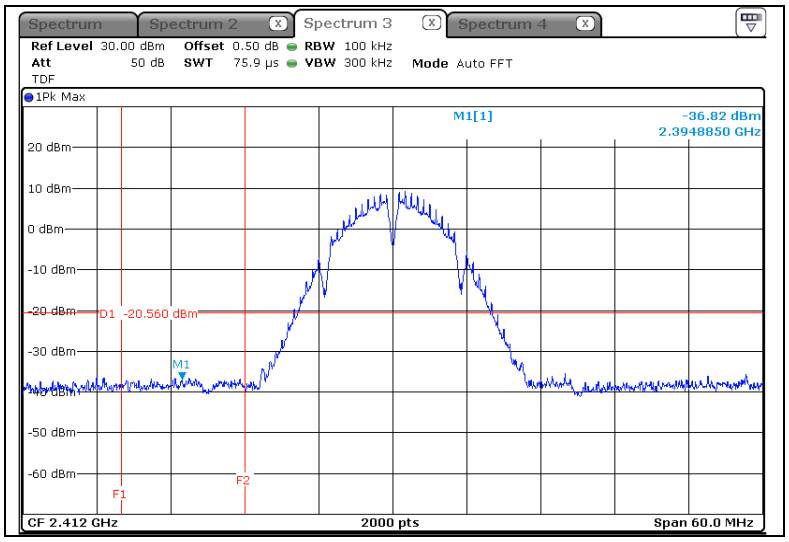
- 802.11b

Lowest Channel (2 412 ㎒)

Reference

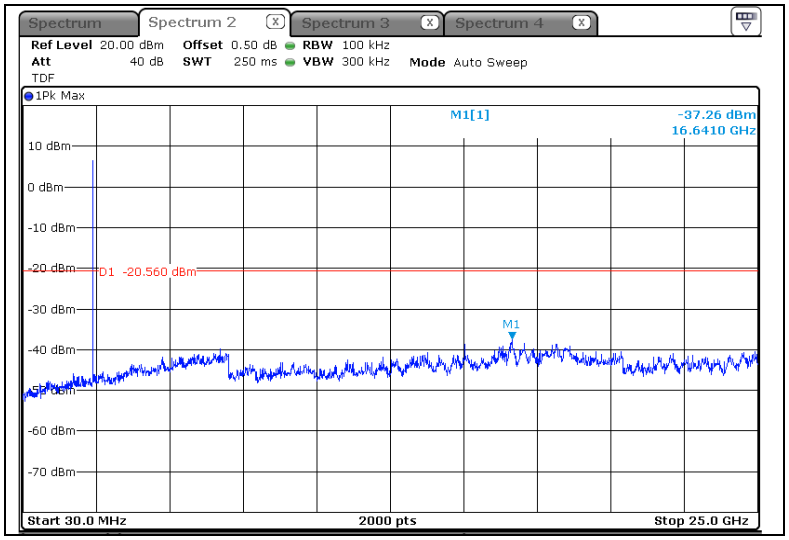


Band-edge



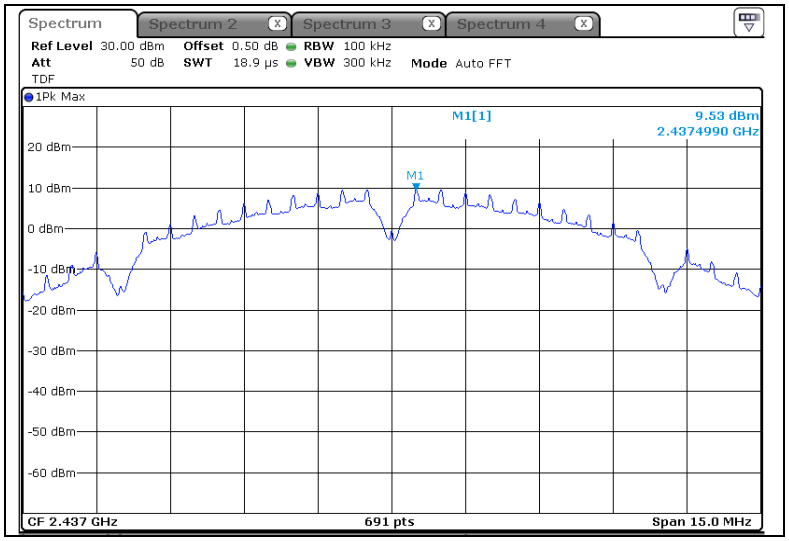
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

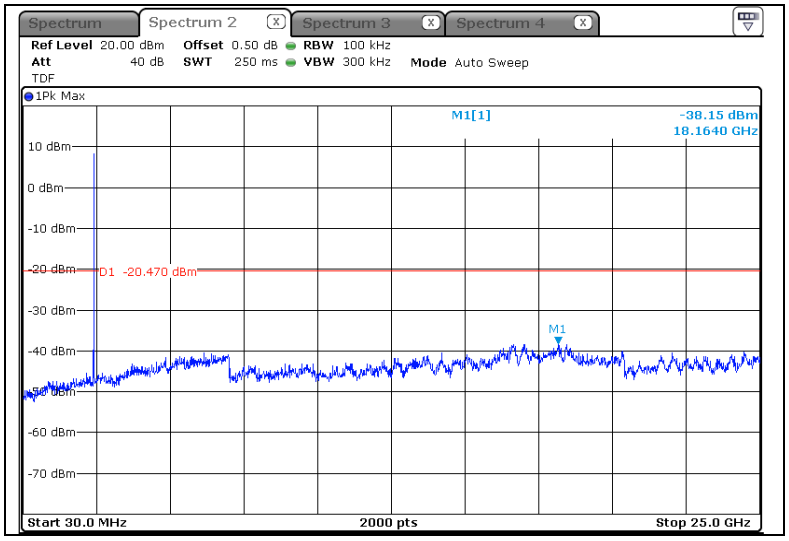


Middle Channel (2 437 ㎒)

Reference

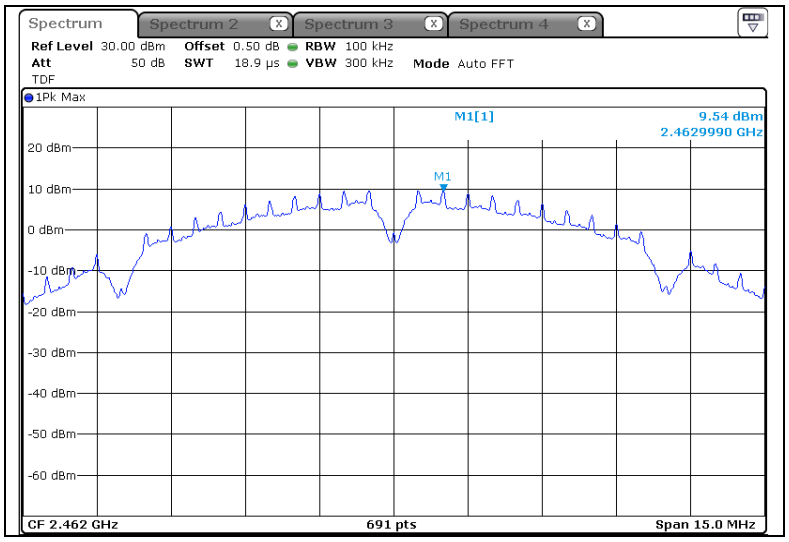


Conducted Spurious Emissions

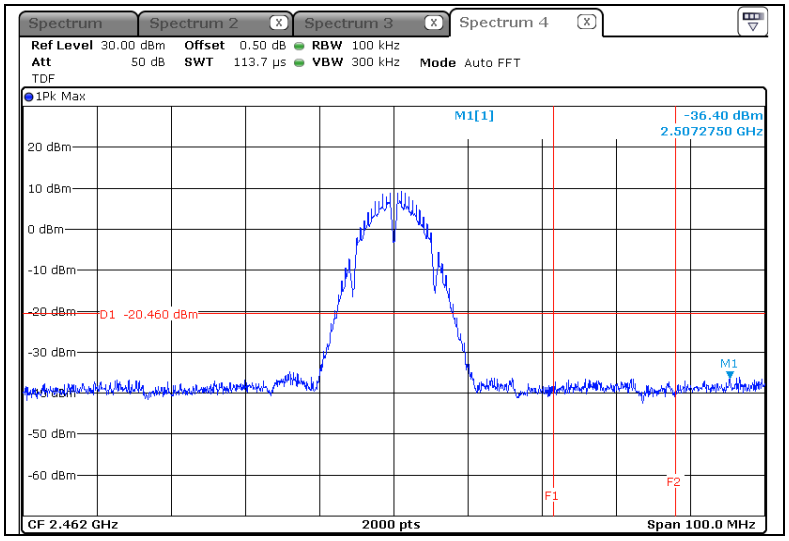


Highest Channel (2 462 ㎒)

Reference

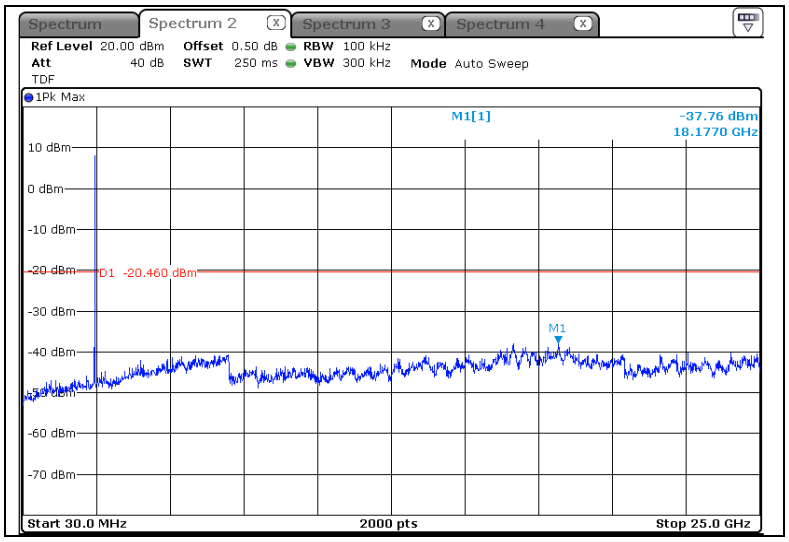


Band-edge



- Result of 2 483.5 ㎒

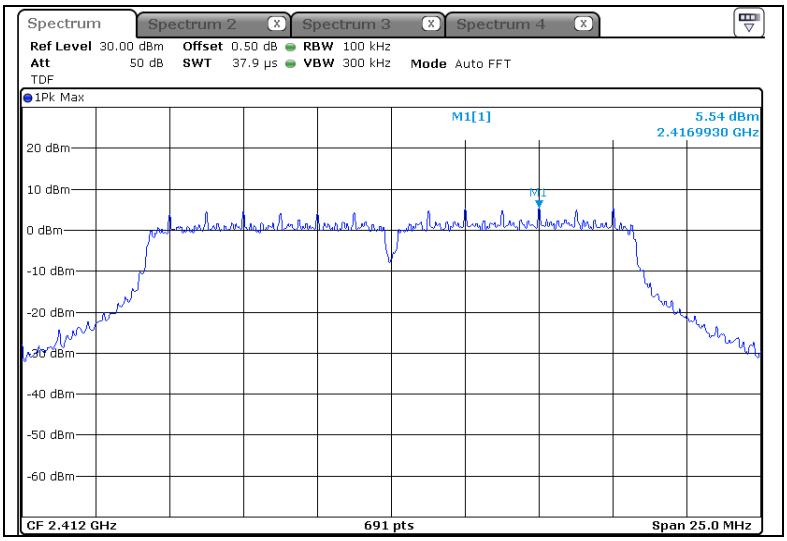
Conducted Spurious Emissions



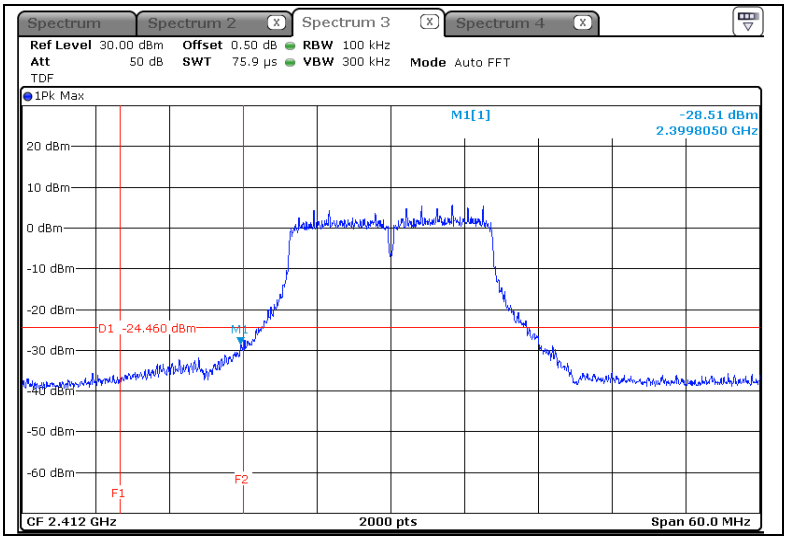
- 802.11g

Lowest Channel (2 412 ㎒)

Reference

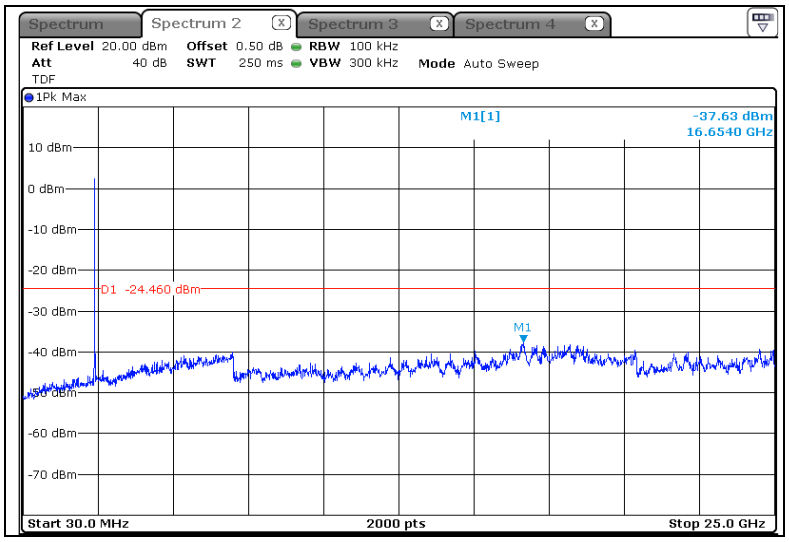


Band-edge



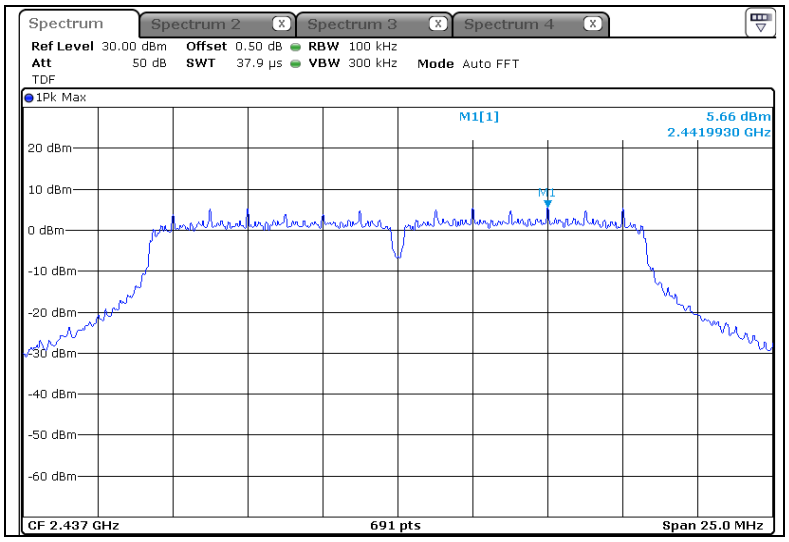
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

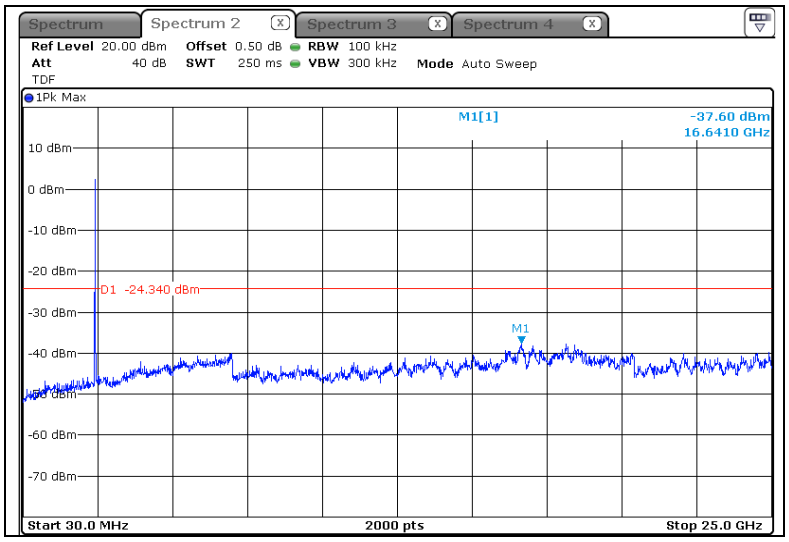


Middle Channel (2 437 ㎒)

Reference

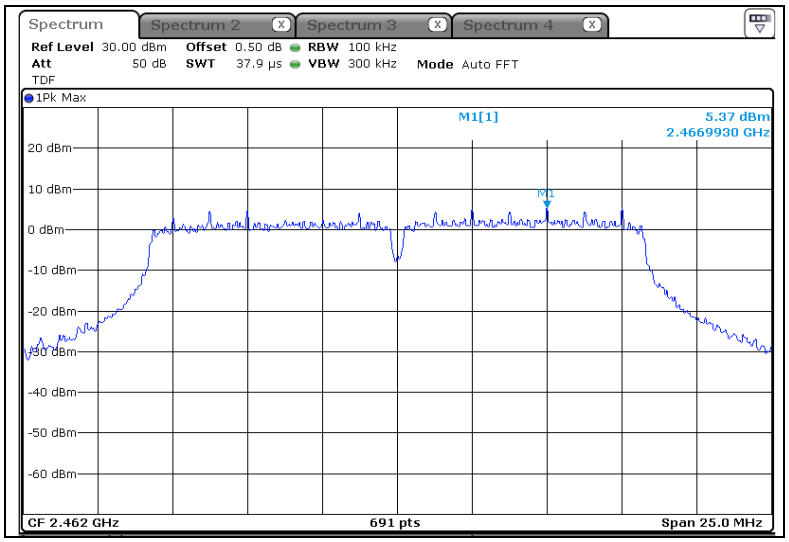


Conducted Spurious Emissions

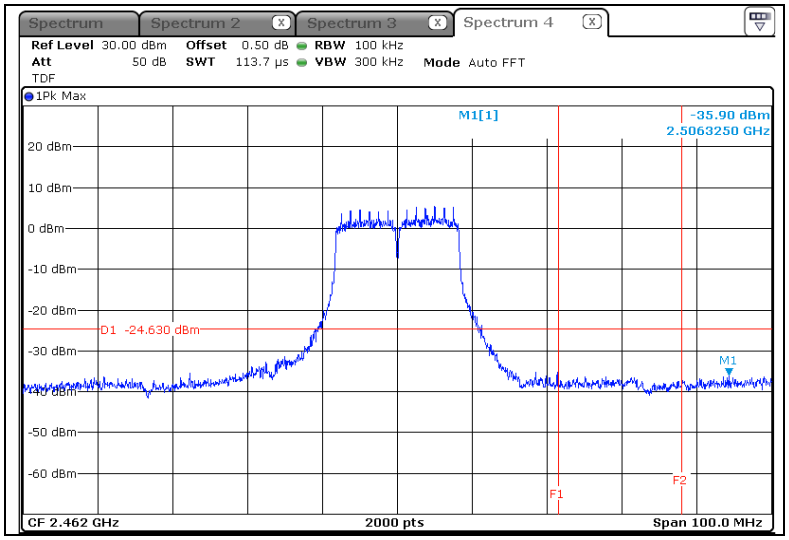


Highest Channel (2 462 ㎒)

Reference

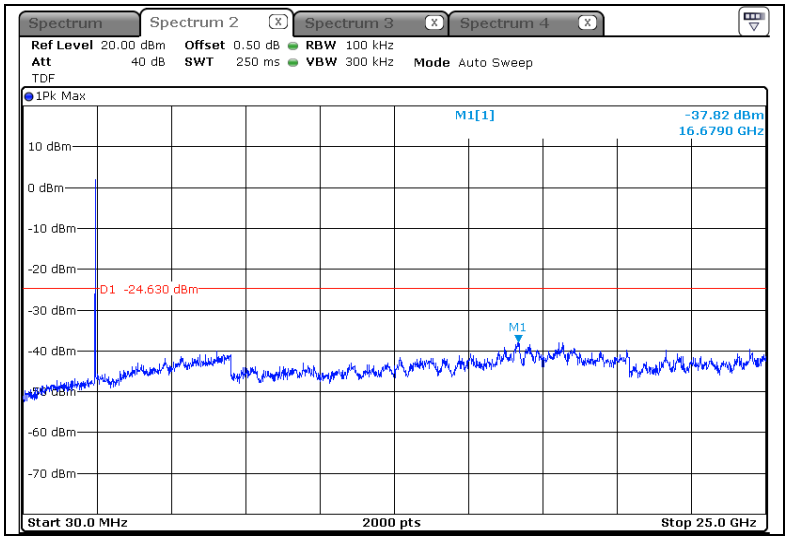


Band-edge



- Result of 2 483.5 ㎒

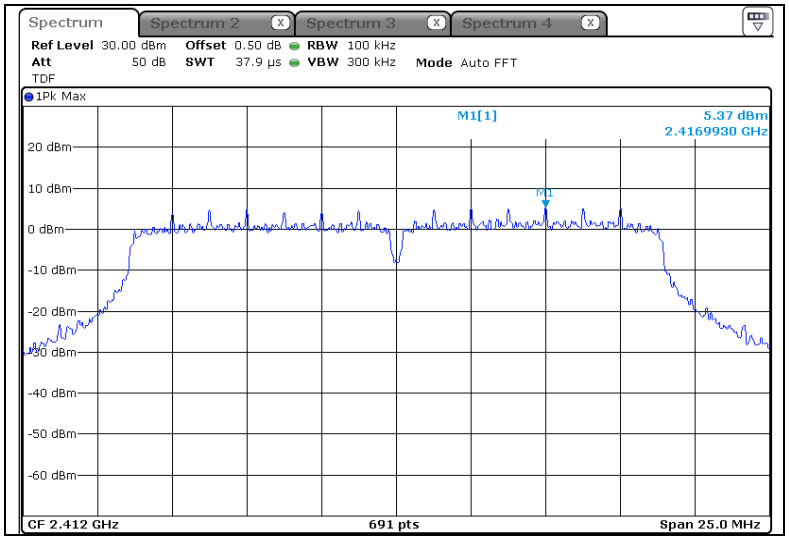
Conducted Spurious Emissions



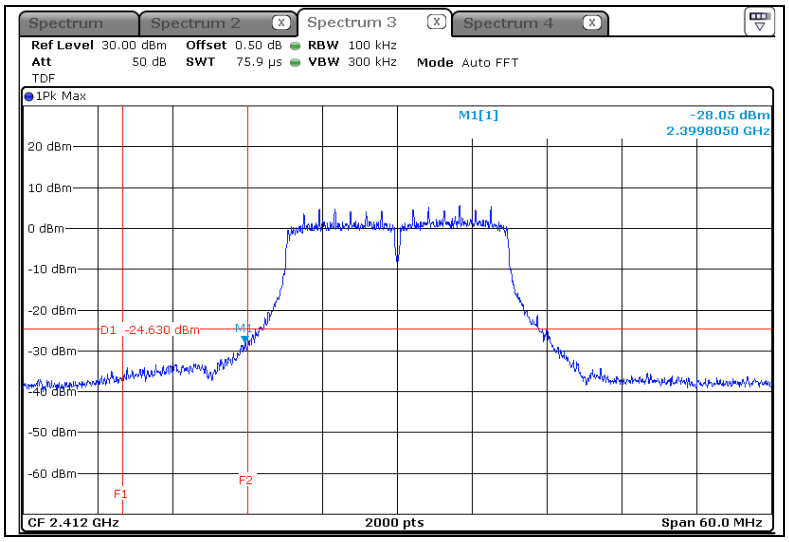
- 802.11n HT20

Lowest Channel (2 412 ㎒)

Reference

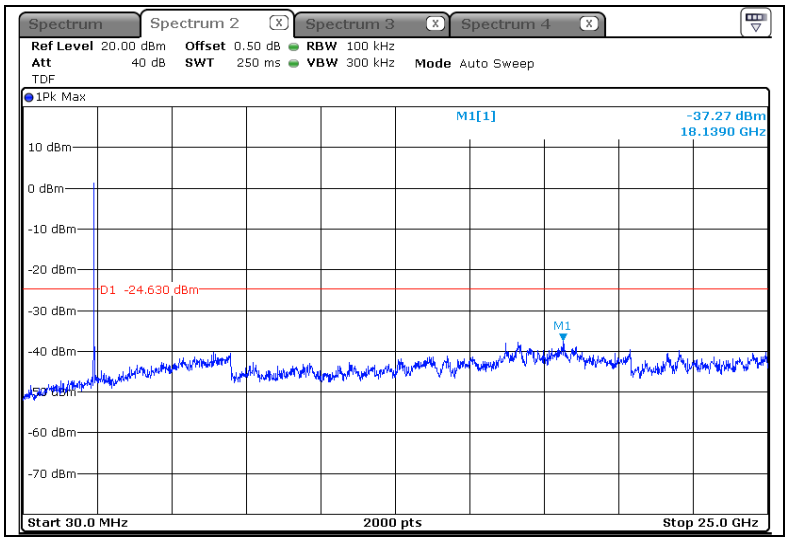


Band-edge



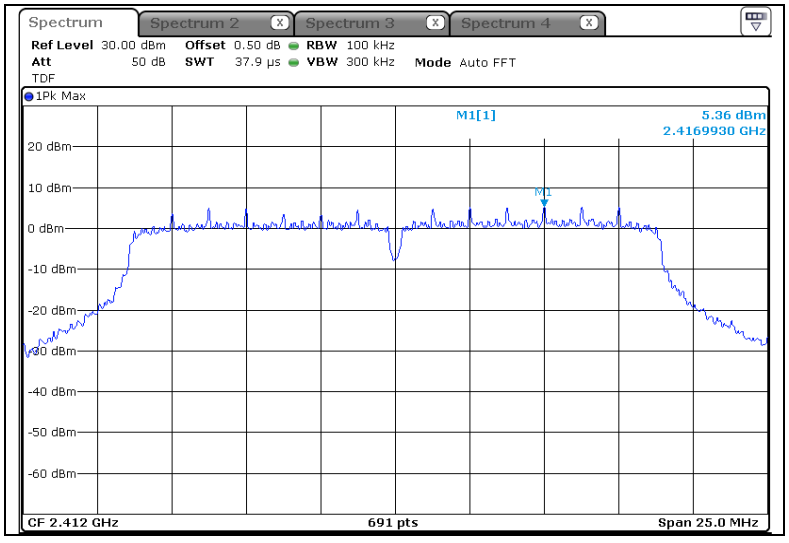
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

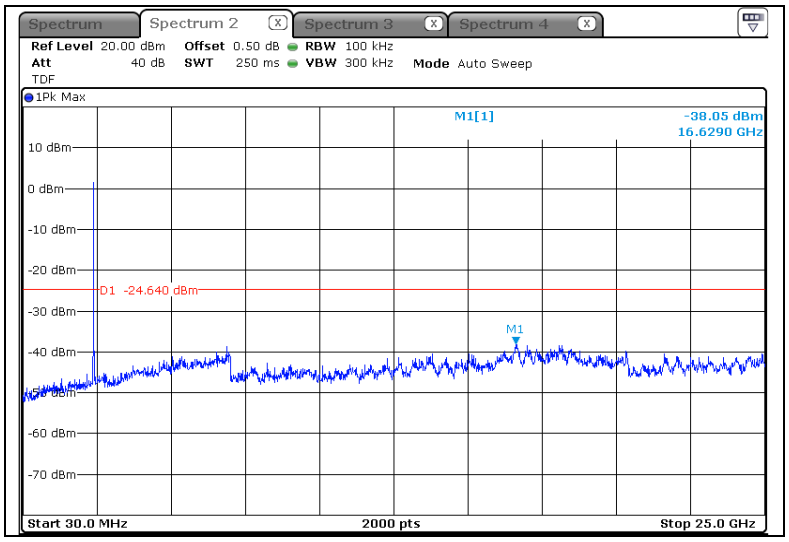


Middle Channel (2 437 ㎒)

Reference

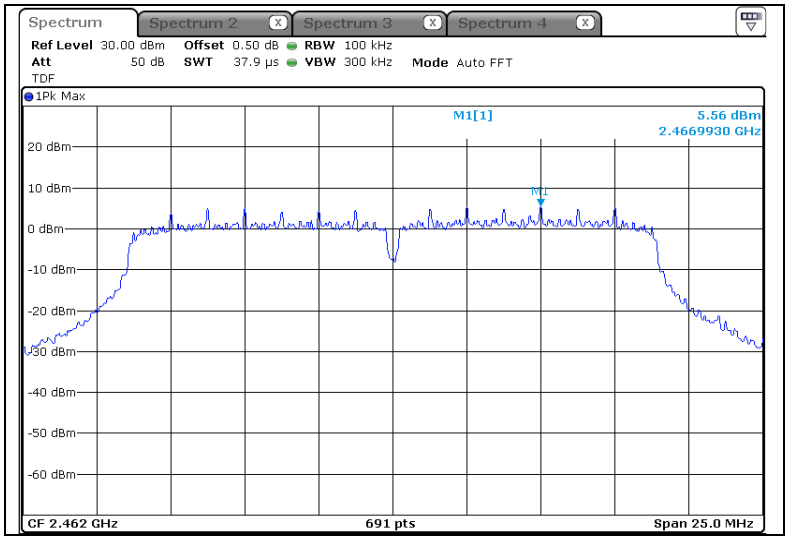


Conducted Spurious Emissions

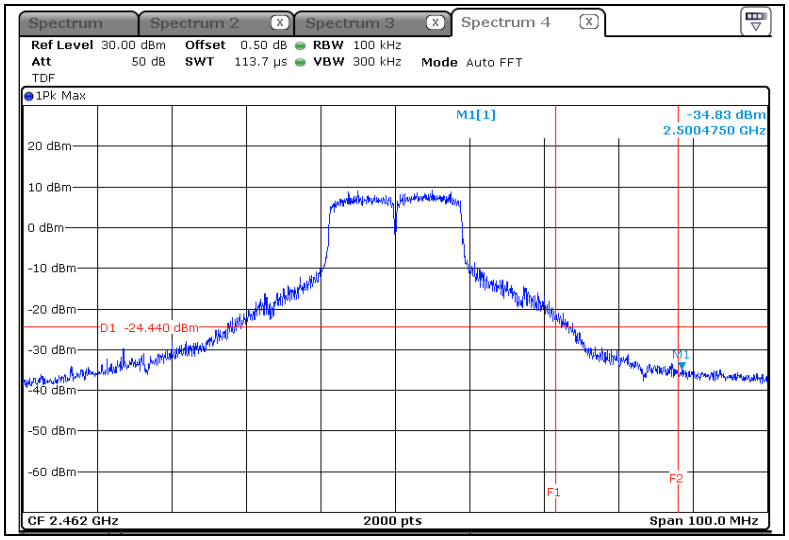


Highest Channel (2 462 ㎒)

Reference

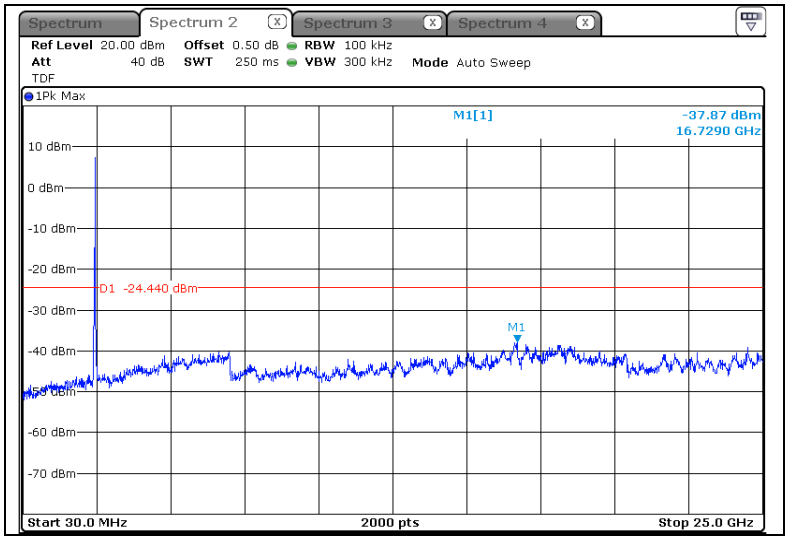


Band-edge



- Result of 2 483.5 ㎒

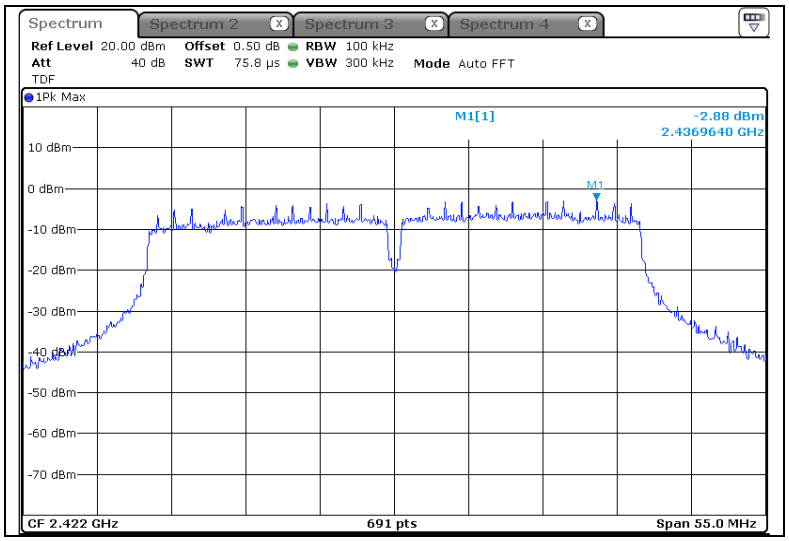
Conducted Spurious Emissions



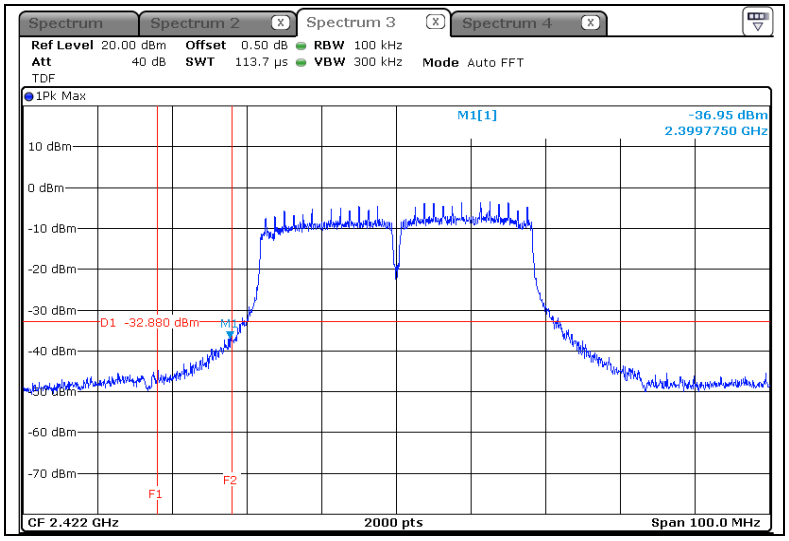
- 802.11n HT40

Lowest Channel (2 422 ㎒)

Reference

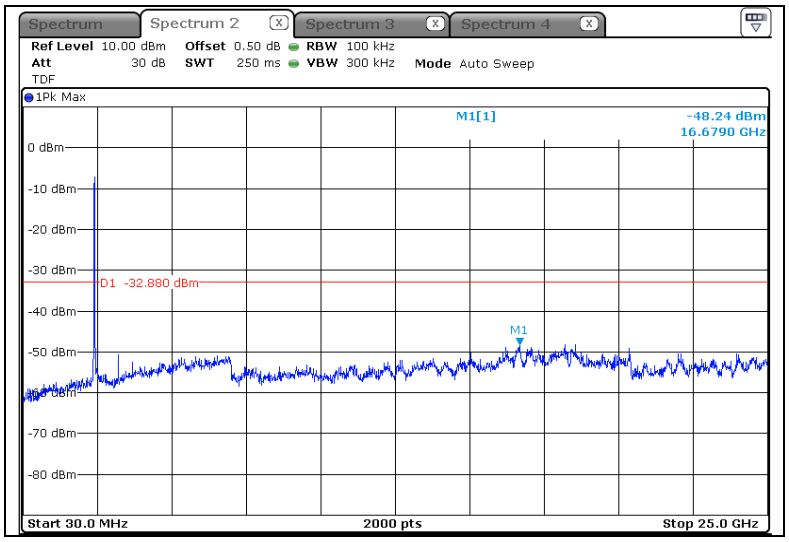


Band-edge



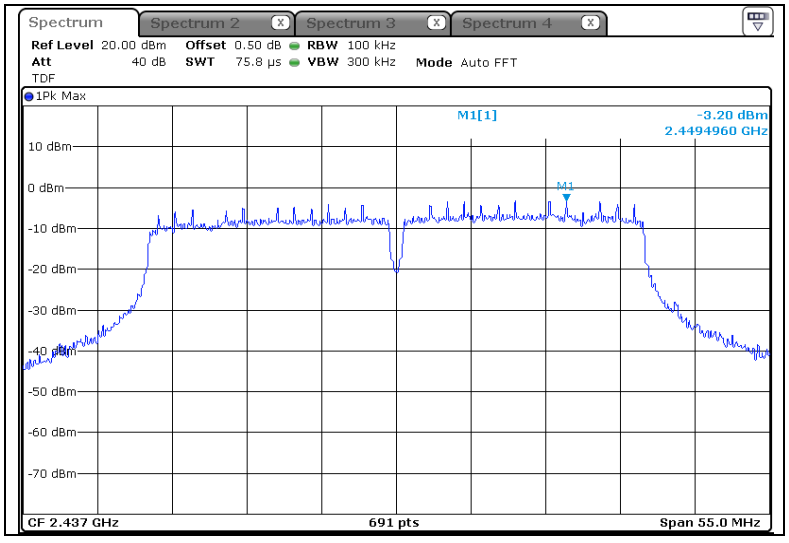
- Result of 2 400.0 ㎒

Conducted Spurious Emissions

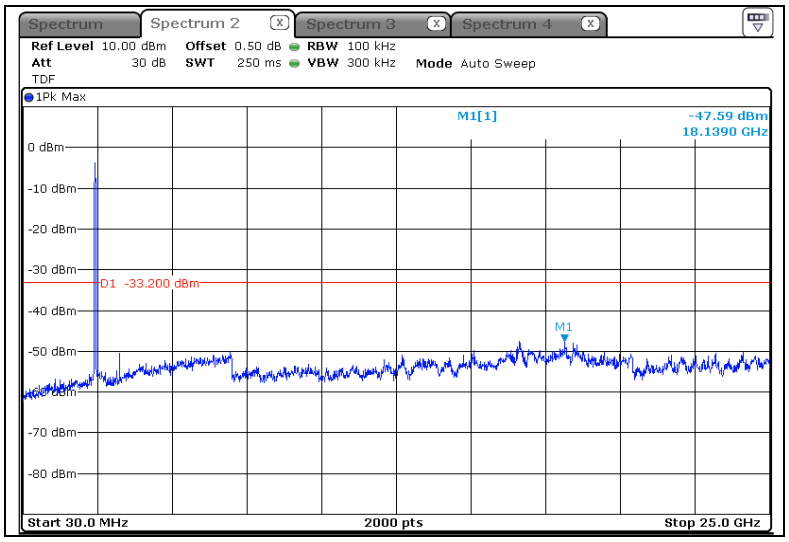


Middle Channel (2 437 ㎒)

Reference

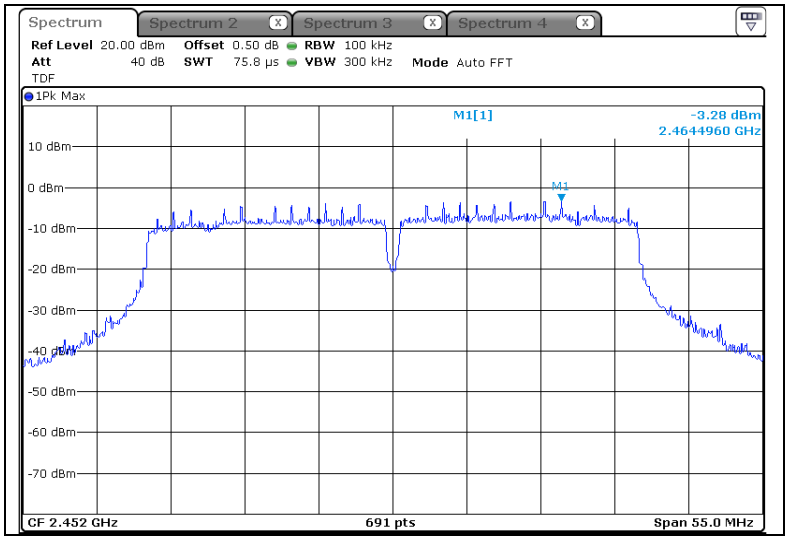


Conducted Spurious Emissions

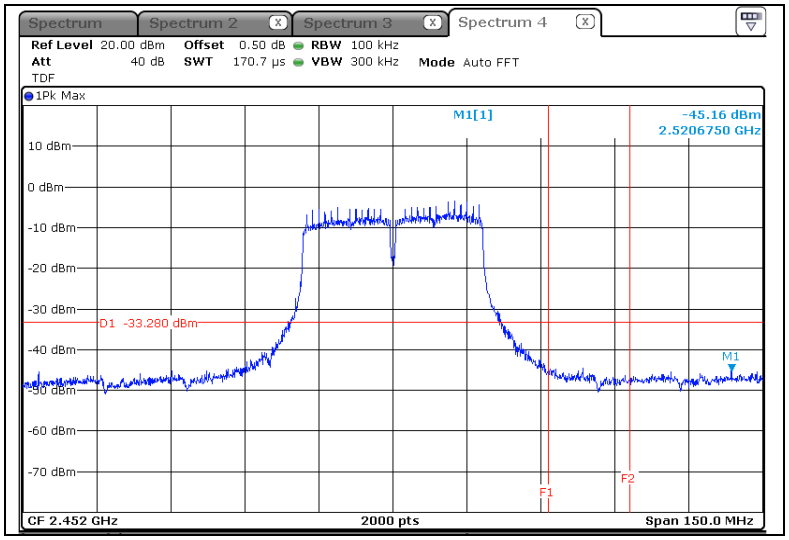


Highest Channel (2 452 ㎒)

Reference

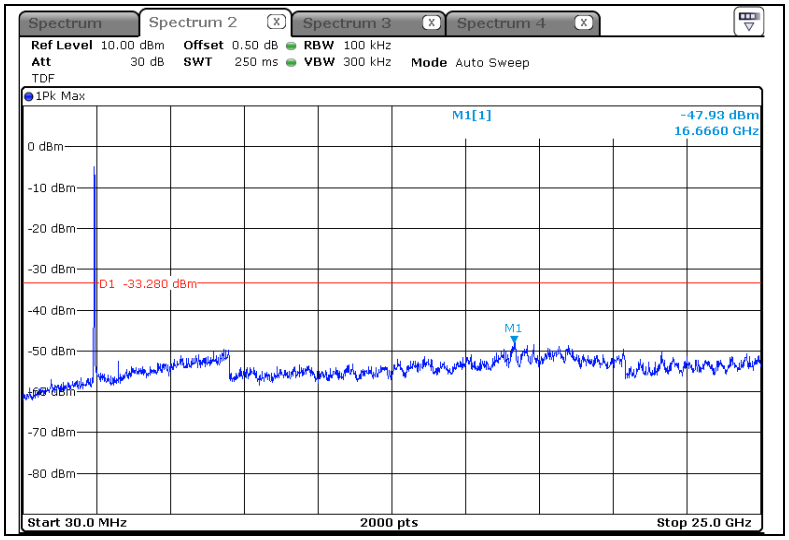


Band-edge



- Result of 2 483.5 ㎒

Conducted Spurious Emissions



5.6 Conducted Emission

5.6.1 Regulation

According to §15.207(a), for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 ㎑ to 30 ㎒, shall not exceed the limits in the following table, as measured using a 50 μH/50 Ω line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (㎒)	Conducted limit (㏈μV)	
	Qausi-peak	Average
0.15 – 0.5	66 to 56 *	56 to 46 *
0.5 – 5	56	46
5 – 30	60	50

* Decreases with the logarithm of the frequency.

According to §15.107(a), for unintentional device, except for Class A digital devices, line conducted emission limits are the same as the above table.

5.6.2 Measurement Procedure

1) The EUT was placed on a wooden table of size, 1 m by 1.5 m, raised 80 ㎝ in which is located 40 ㎝ away from the vertical wall and 1.5m away from the side wall of the shielded room.

2) Each current-carrying conductor of the EUT power cord was individually connected through a 50Ω/50μH LISN, which is an input transducer to a Spectrum Analyzer or an EMI/Field Intensity Meter, to the input power source.

3) Exploratory measurements were made to identify the frequency of the emission that had the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable position, and with a typical system equipment configuration and arrangement. Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that had produced the emission with the highest amplitude relative to the limit was selected for the final measurement.

4) The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment is the system) was then performed over the frequency range of 0.15 ㎒ to 30 ㎒.

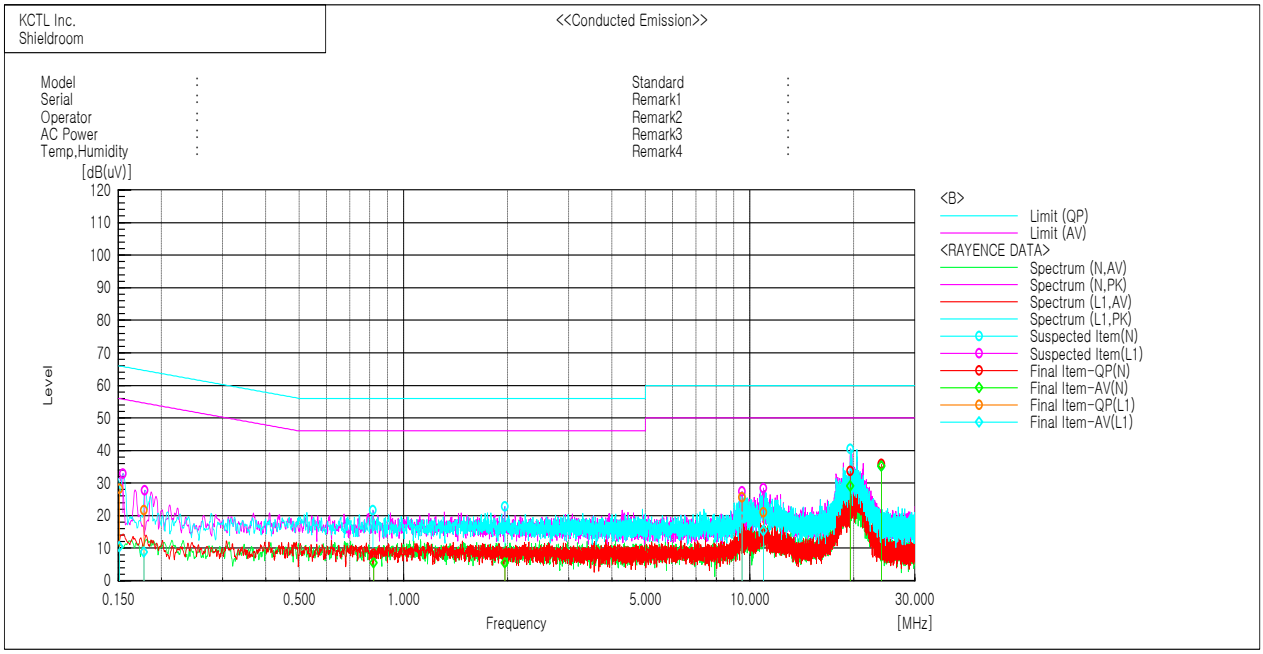
5) The measurements were made with the detector set to PEAK amplitude within a bandwidth of 10 ㎑ or to QUASI-PEAK and AVERAGE within a bandwidth of 9 ㎑. The EUT was in transmitting mode during the measurements.

5.6.3 Test Result

- Complied

Figure 6. plot of Conducted Emission

- Conducted worst-case data: 802.11b_Middle channel (2 437 ㎒)



Final Result

--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	19.51391	23.7	19.0	10.0	33.7	29.0	60.0	50.0	26.3	21.0
2	24.00042	25.7	25.0	10.1	35.8	35.1	60.0	50.0	24.2	14.9
3	0.81925	-1.6	-4.3	9.8	8.2	5.5	56.0	46.0	47.8	40.5
4	1.9638	-1.6	-4.4	9.8	8.2	5.4	56.0	46.0	47.8	40.6

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15102	18.4	0.6	9.8	28.2	10.4	65.9	55.9	37.7	45.5
2	10.96496	11.0	5.4	9.9	20.9	15.3	60.0	50.0	39.1	34.7
3	0.17812	11.5	-1.4	10.1	21.6	8.7	64.6	54.6	43.0	45.9
4	9.51335	15.6	9.6	9.9	25.5	19.5	60.0	50.0	34.5	30.5

6. Test equipment used for test

	Equipment Name	Manufacturer	Model No.	Serial No.	Next Cal. Date
■	Vector Signal Generator	R & S	SMBV100A	257566	17.01.07
■	Signal Generator	R & S	SMR40	100007	17.06.02
■	Spectrum Analyzer	R & S	FSV40	100988	17.01.07
■	DC Power Supply	Agilent	E3632A	MY40017108	17.07.07
■	50Ω TERMINATION	-	50Ω	R1	17.08.30
■	50Ω TERMINATION	-	50Ω	R2	17.08.30
■	Highpass Filter	Wainwright Instruments GmbH	WHKX3.0 /18G-12SS	44	17.02.01
■	DOUBLE RIDGED HORN ANTENNA	ETS-LINDGREN	3117-PA	OO161083	16.11.12
■	Horn antenna	ETS-LINDGREN	3116	86635	17.05.03
■	AMPLIFIER	L-3 Narda-MITEQ	JS44-18004000 -33-8P	2000996	17.06.26
■	Horn ANT	ETS	3117	155787	16.11.25
■	Broadband Preamplifier	SCHWARZBECK	BBV9718	9718-233	17.08.26
■	Antenna Mast	Innco Systems	MA4000-EP	MA4000/396/ 30810213/L	-
■	Turn Table	Innco Systems	DT2000	79	-
■	Test Receiver	R & S	ESCI7	100732	17.08.25
■	Bilog Antenna	VULB 9163	VULB 9163	552	18.06.27
■	AMPLIFIER	SONOMA INSTRUMENT	310N	344922	17.08.26
■	ATTENUATOR	AGILENT	DGA9552N	BU2404	17.04.08
■	LOOP Antenna	R & S	HFH2-Z2	100355	18.03.03
■	ATTENUATOR	AGILENT	DGA9552N	BU2404	17.04.08
■	AMPLIFIER	SONOMA INSTRUMENT	310N	186280	17.04.07
■	Antenna Mast	Innco Systems	MA4000-EP	303	-
■	Turn Table	Innco Systems	DT2000S-1t	79	-
■	TWO-LINE V-NETWORK	R & S	101352	ENV216	17.08.26