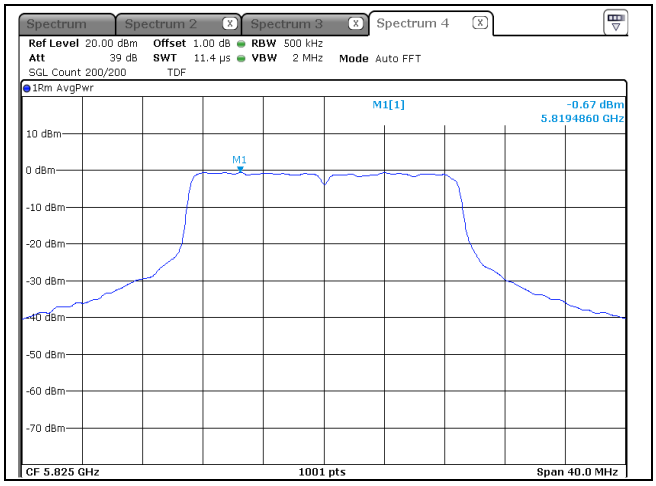
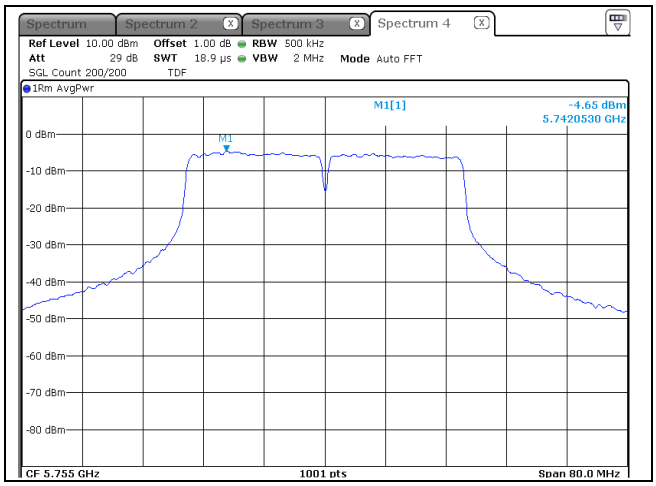
ANT 3



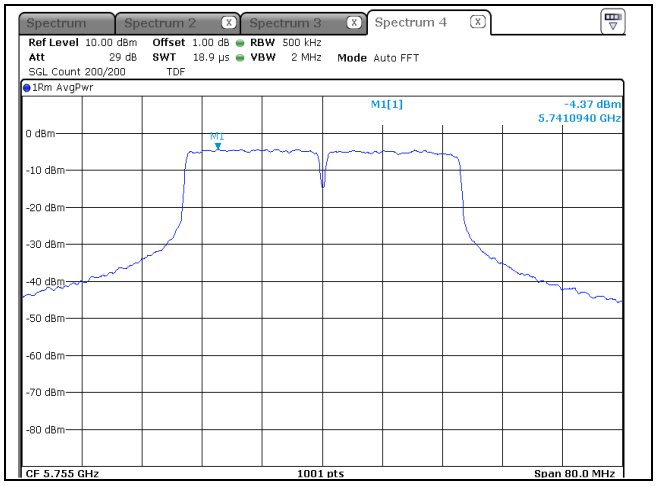
- 802.11n HT40

- 5 755 ㎒

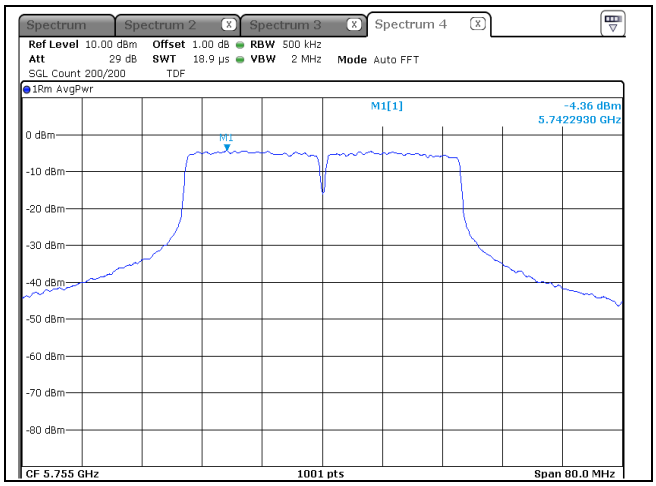
ANT 1



ANT 2

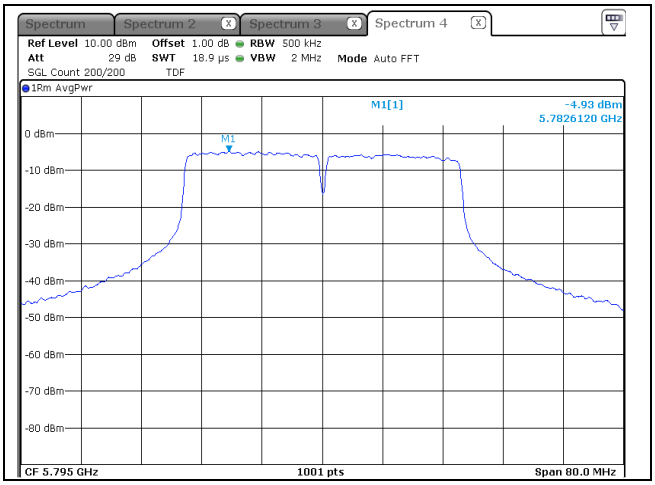

Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 10.00 dBm Offset 1.00 dB RBW 500 kHz
Att 29 dB SWT 18.9 µs VBW 2 MHz Mode Auto FFT
SGL Count 200/200 TDF
1Rm AvgPwr
M1[1]
-4.37 dBm
5.7410940 GHz
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.755 GHz
1001 pts
Span 80.0 MHz

ANT 3

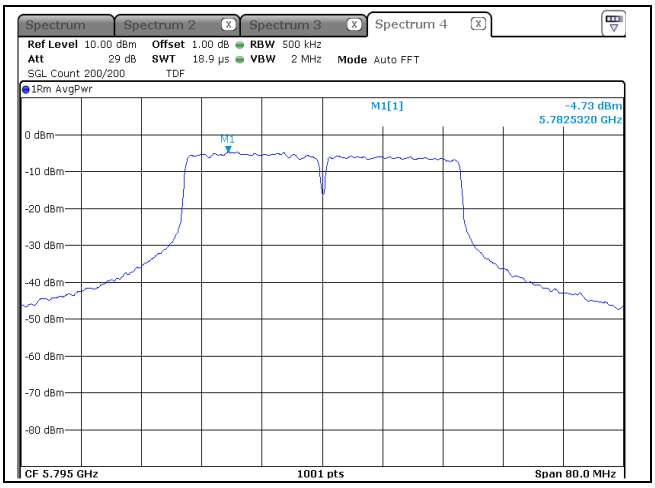

Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 10.00 dBm Offset 1.00 dB RBW 500 kHz
Att 29 dB SWT 18.9 µs VBW 2 MHz Mode Auto FFT
SGL Count 200/200 TDF
1Rm AvgPwr
M1[1]
-4.36 dBm
5.7422930 GHz
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.755 GHz
1001 pts
Span 80.0 MHz

- 5 795 ㎒

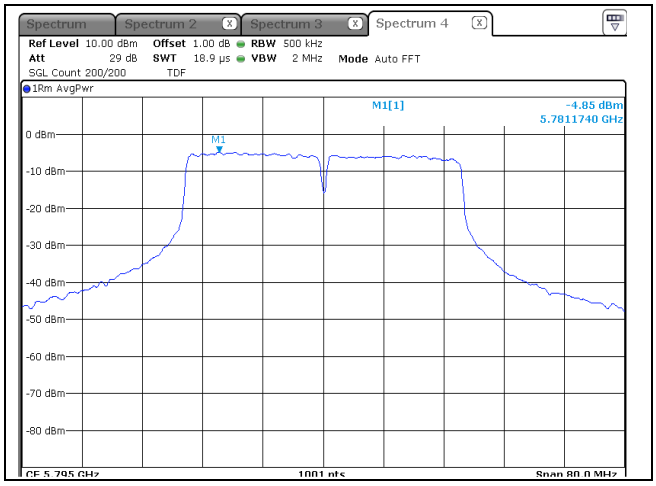
ANT 1



ANT 2



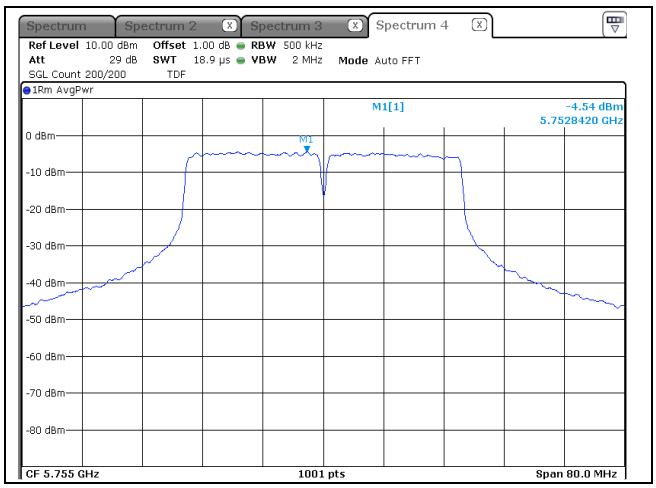
ANT 3



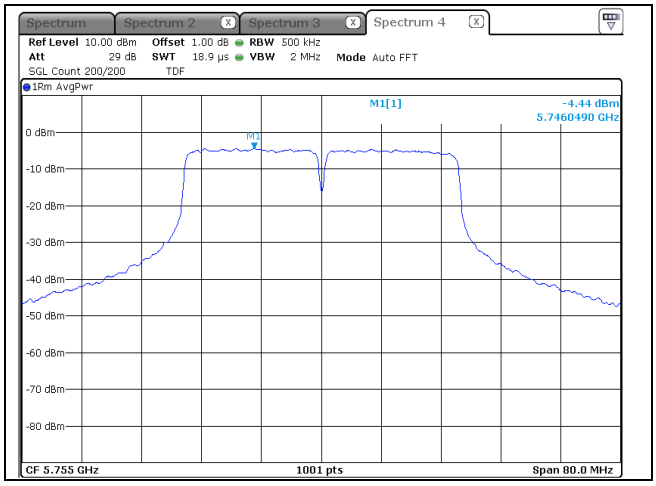
- 802.11ac VHT40

- 5 755 ㎒

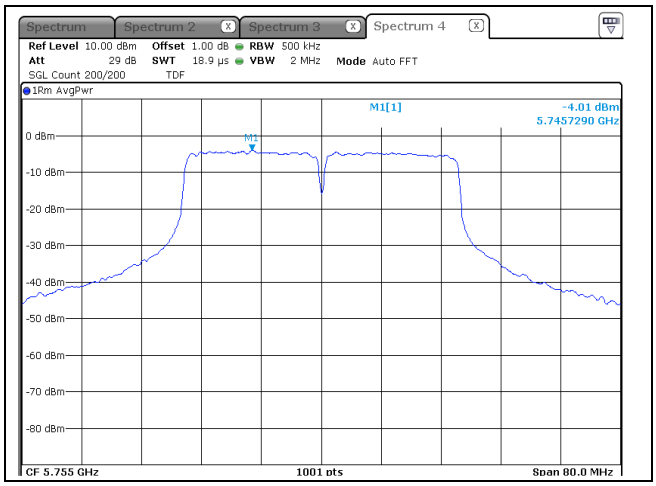
ANT 1



ANT 2

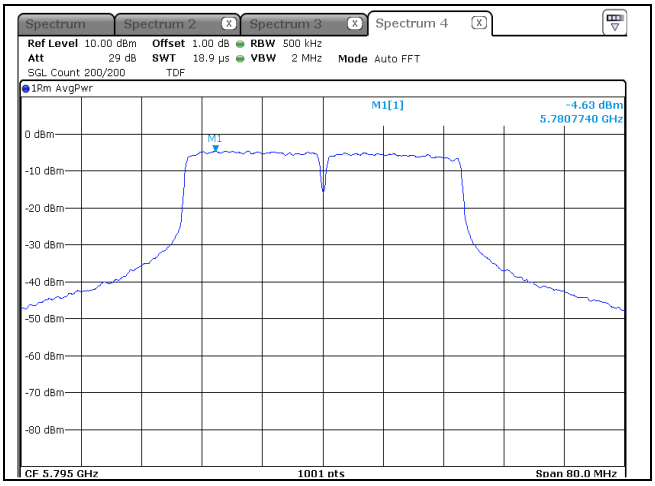

Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 10.00 dBm Offset 1.00 dB RBW 500 kHz
Att 29 dB SWT 18.9 µs VBW 2 MHz Mode Auto FFT
SGL Count 200/200 TDF
1Rm AvgPwr
M1[1]
-4.44 dBm
5.7460490 GHz
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.755 GHz
1001 pts
Span 80.0 MHz

ANT 3


Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 10.00 dBm Offset 1.00 dB RBW 500 kHz
Att 29 dB SWT 18.9 µs VBW 2 MHz Mode Auto FFT
SGL Count 200/200 TDF
1Rm AvgPwr
M1[1]
-4.01 dBm
5.7457290 GHz
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.755 GHz
1001 pts
Span 80.0 MHz

- 5 795 ㎒

ANT 1



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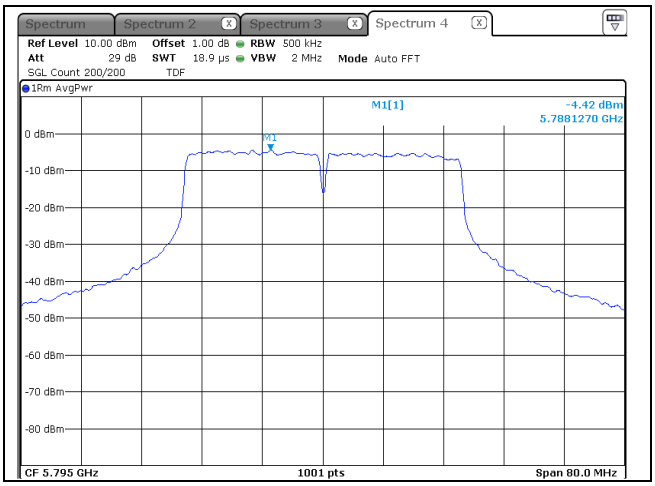
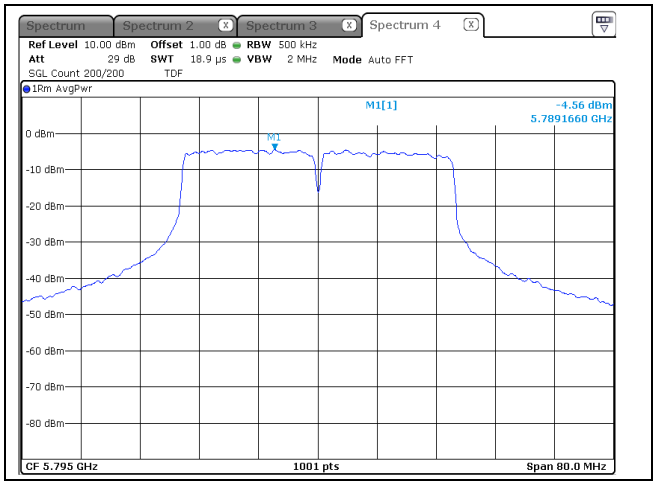


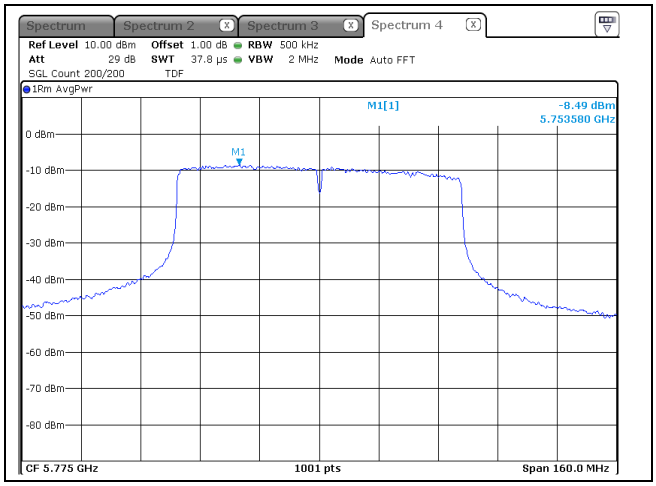
ANT 3



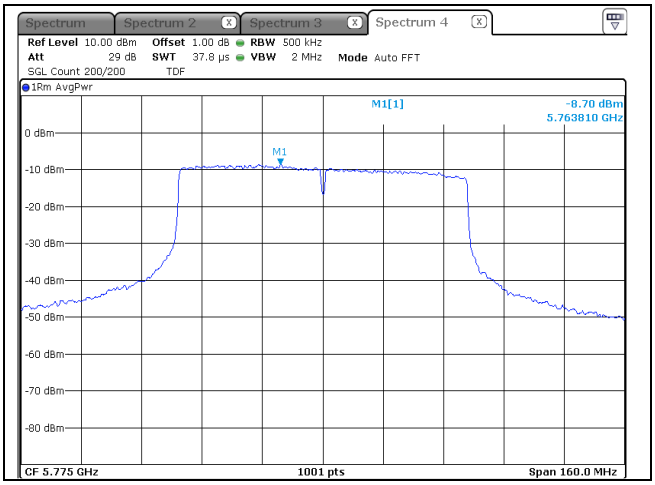
- 802.11ac VHT80

- 5 775 ㎒

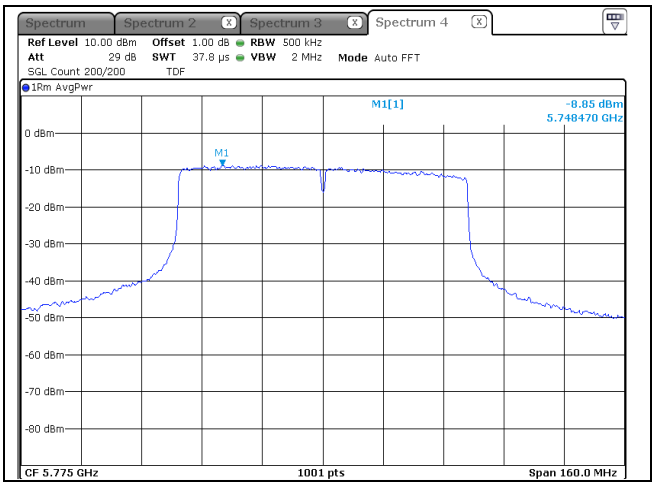
ANT 1



ANT 2


Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 10.00 dBm Offset 1.00 dB RBW 500 kHz
Att 29 dB SWT 37.8 µs VBW 2 MHz Mode Auto FFT
SGL Count 200/200 TDF
1Rm AvgPwr
M1[1]
-8.70 dBm
5.763810 GHz
M1
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.775 GHz
1001 pts
Span 160.0 MHz

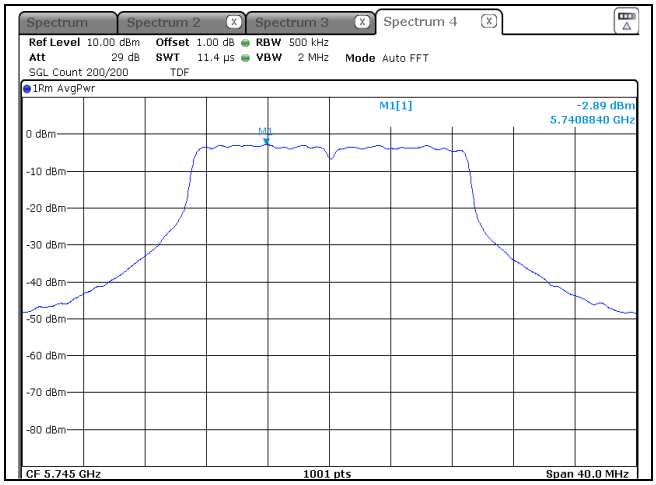
ANT 3


Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 10.00 dBm Offset 1.00 dB RBW 500 kHz
Att 29 dB SWT 37.8 µs VBW 2 MHz Mode Auto FFT
SGL Count 200/200 TDF
1Rm AvgPwr
M1[1]
-8.85 dBm
5.748470 GHz
M1
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
CF 5.775 GHz
1001 pts
Span 160.0 MHz

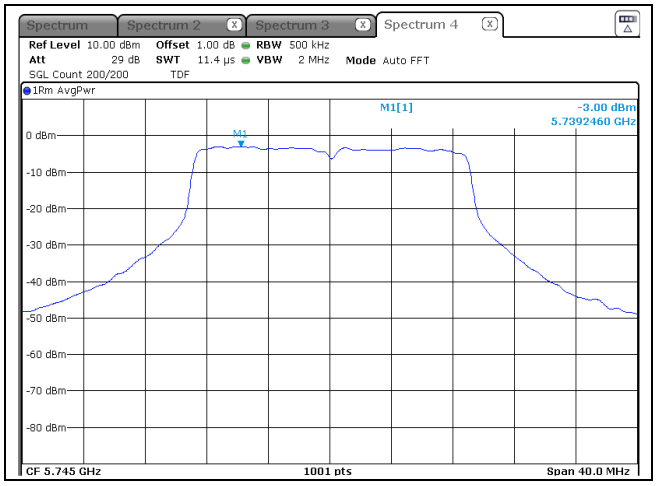
- 802.11n HT20

- 5 745 ㎒

MIMO 2Tx (ANT 1)

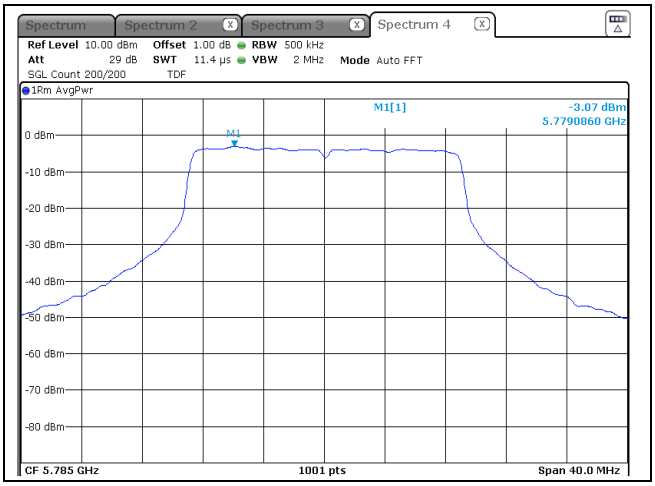


MIMO 2Tx (ANT 2)

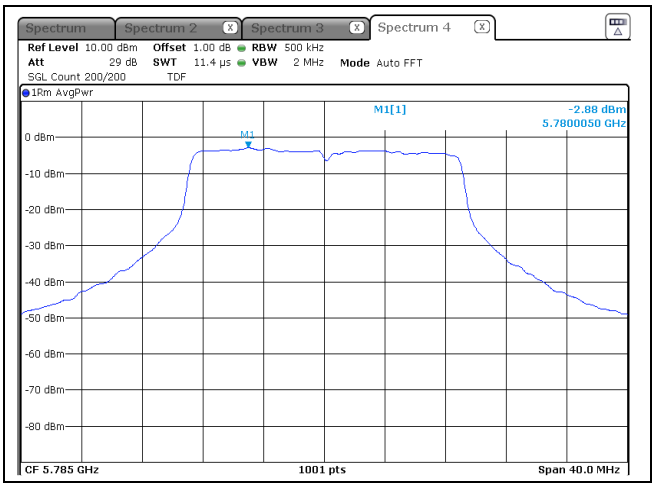


- 5 785 ㎒

MIMO 2Tx (ANT 1)

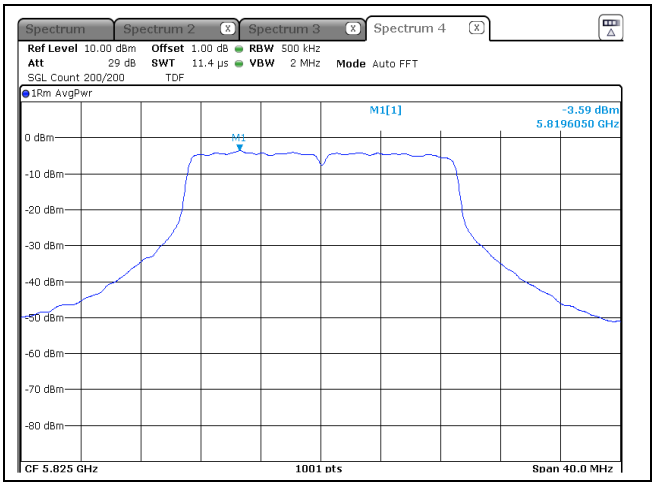


MIMO 2Tx (ANT 2)

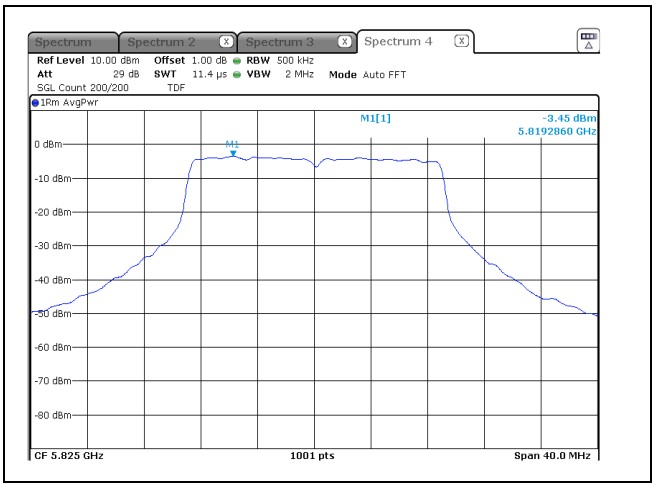


- 5 825 ㎒

MIMO 2Tx (ANT 1)



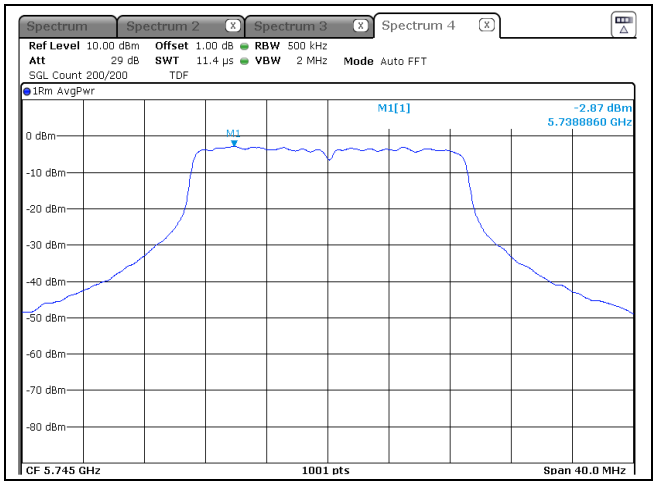
MIMO 2Tx (ANT 2)



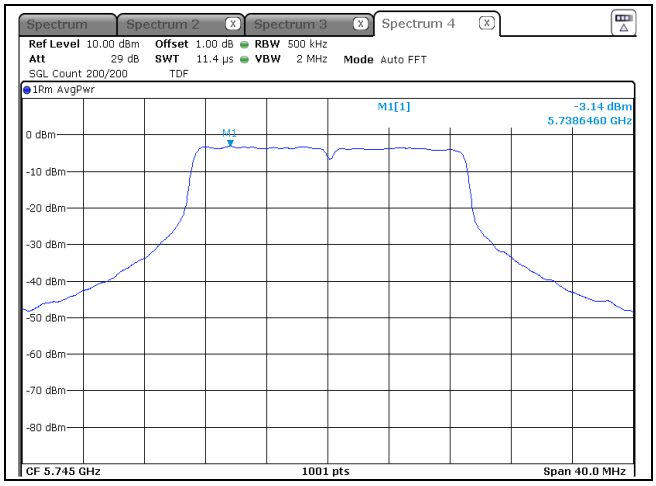
- 802.11ac VTH20

- 5 745 ㎒

MIMO 2Tx (ANT 1)

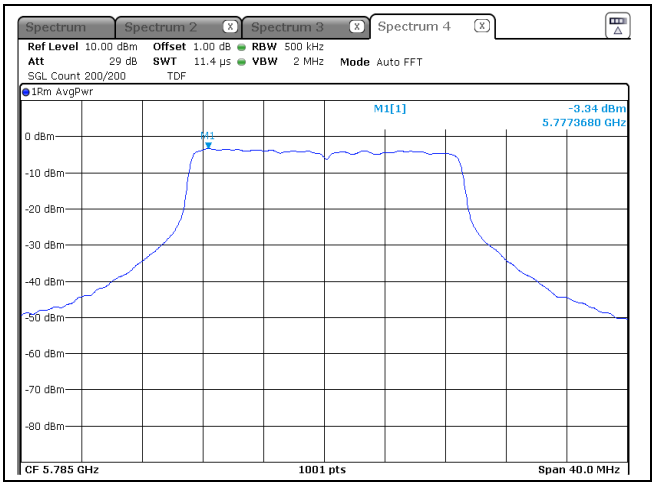


MIMO 2Tx (ANT 2)

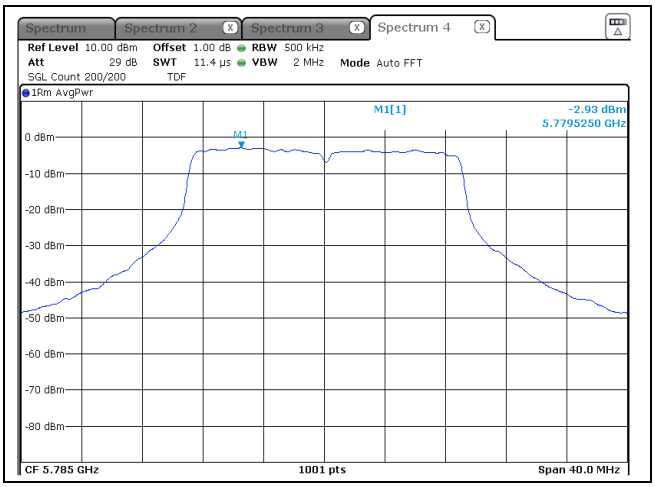


- 5 785 ㎒

MIMO 2Tx (ANT 1)

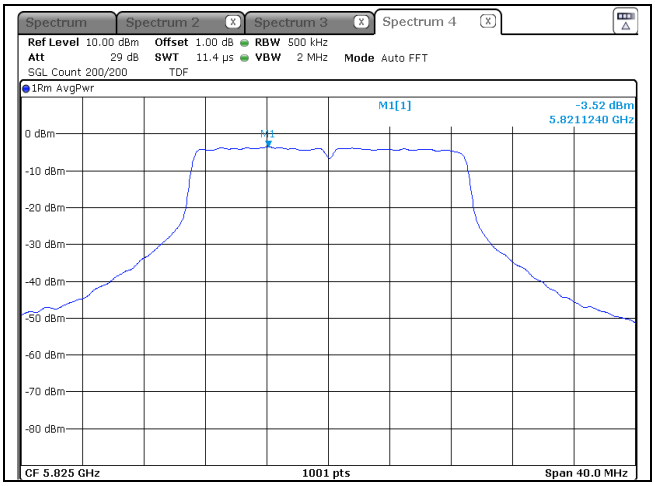


MIMO 2Tx (ANT 2)

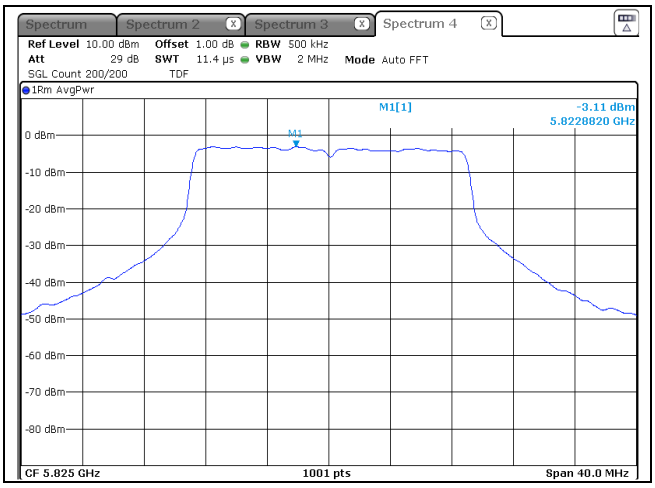


- 5 825 ㎒

MIMO 2Tx (ANT 1)



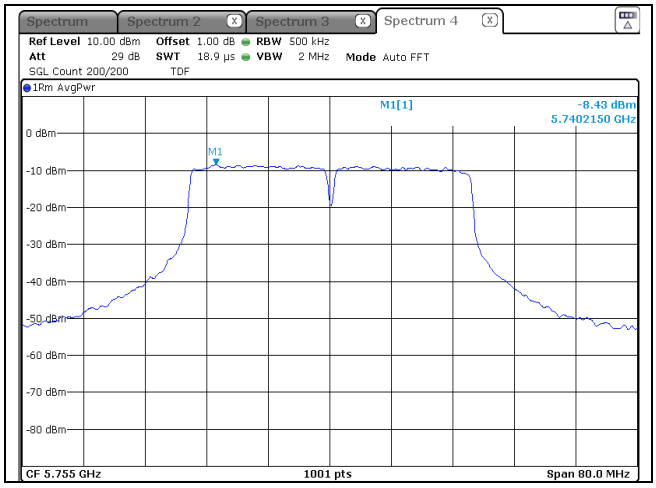
MIMO 2Tx (ANT 2)



- 802.11n HT40

- 5 755 ㎒

MIMO 2Tx (ANT 1)



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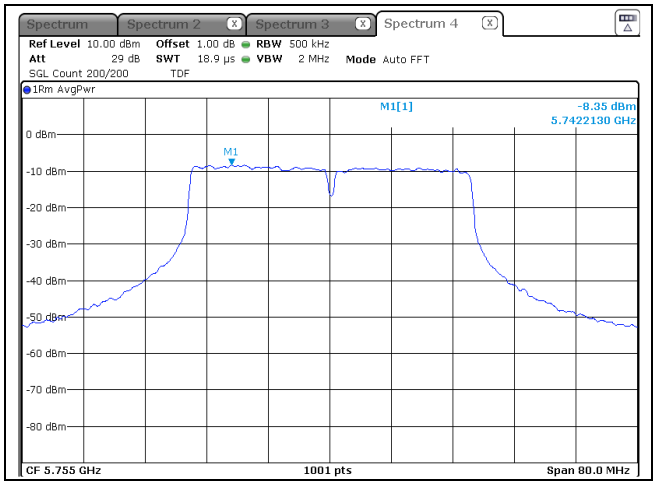
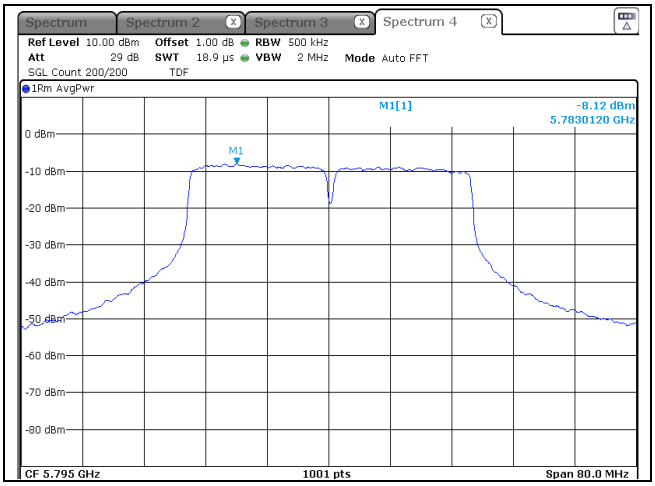
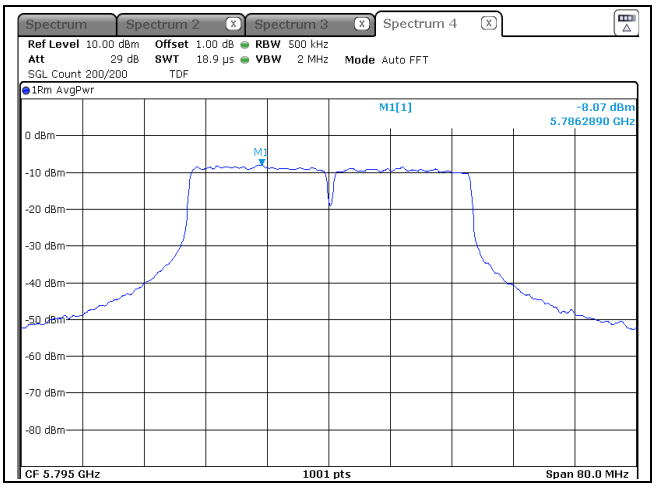


- 5 795 ㎒

MIMO 2Tx (ANT 1)



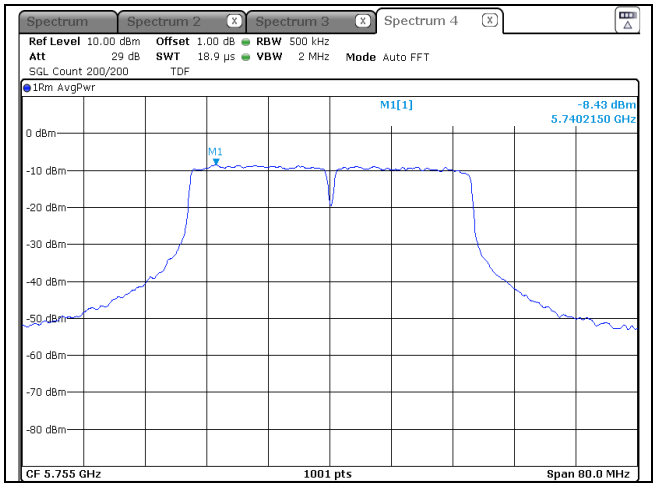
MIMO 2Tx (ANT 2)



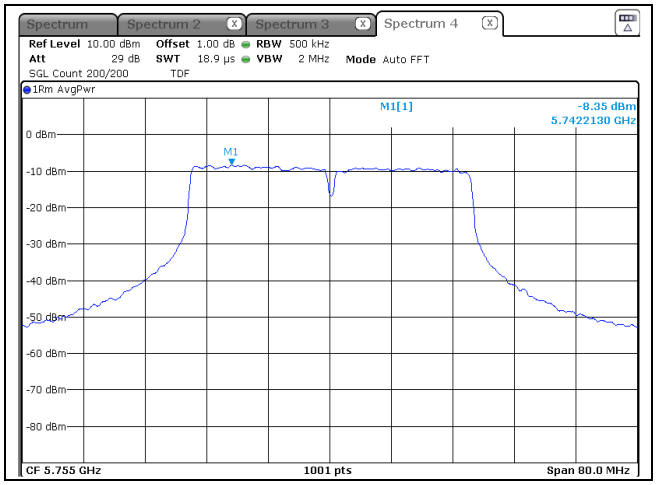
- 802.11n HT40

- 5 755 ㎒

MIMO 2Tx (ANT 1)

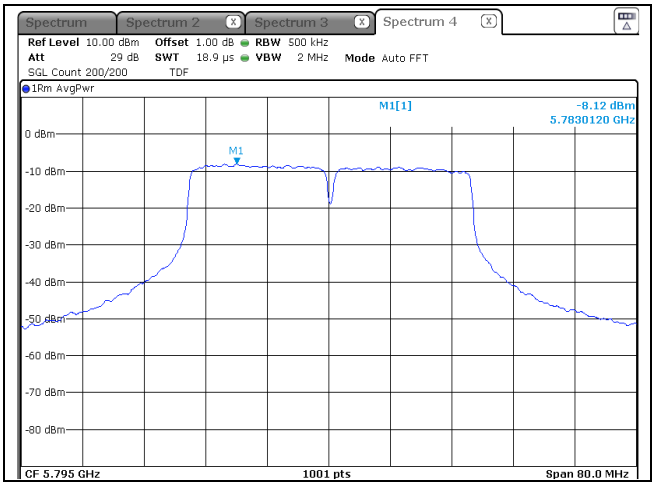


MIMO 2Tx (ANT 2)

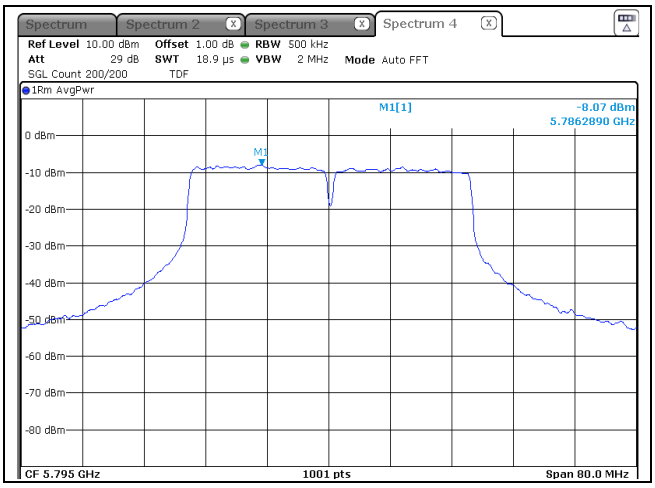


- 5 795 ㎒

MIMO 2Tx (ANT 1)



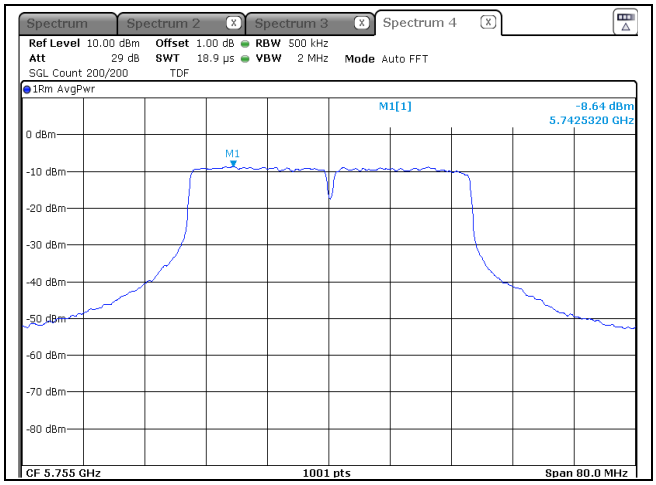
MIMO 2Tx (ANT 2)



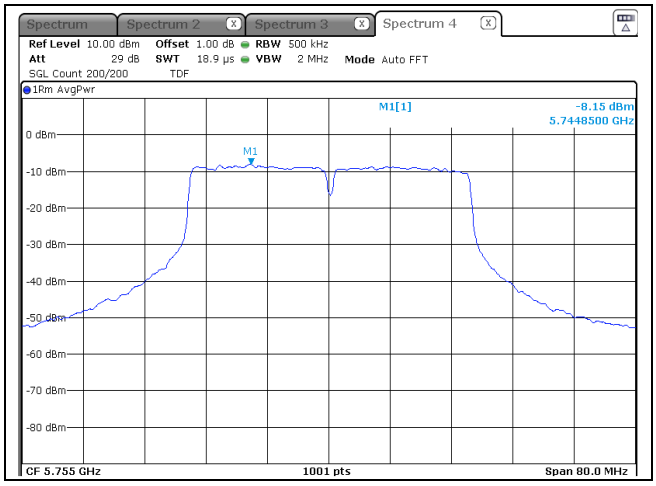
- 802.11ac VHT40

- 5 755 ㎒

MIMO 2Tx (ANT 1)

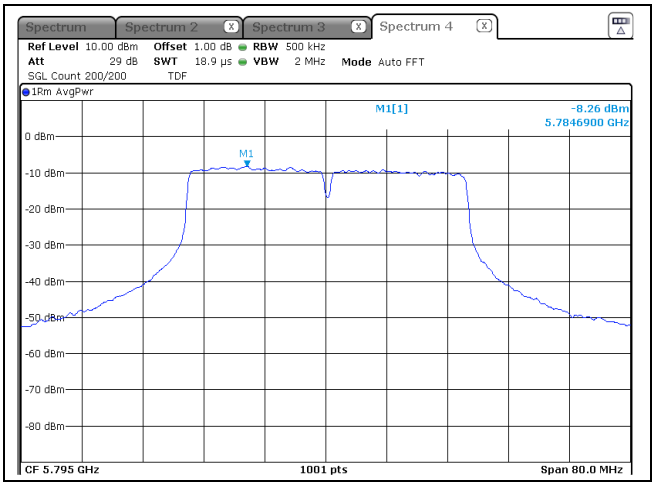


MIMO 2Tx (ANT 2)

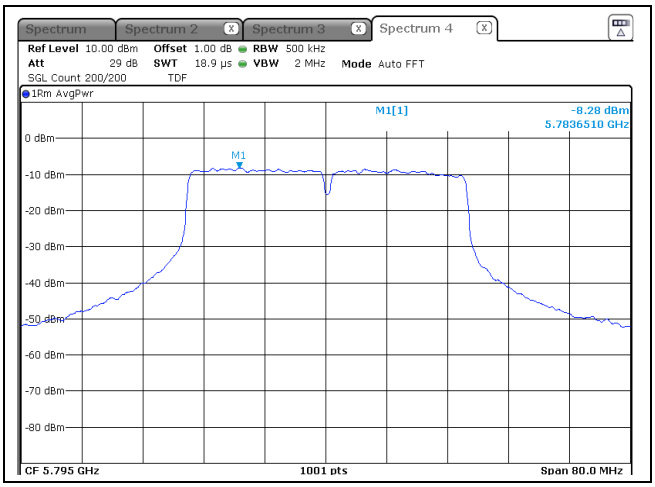


- 5 795 ㎒

MIMO 2Tx (ANT 1)



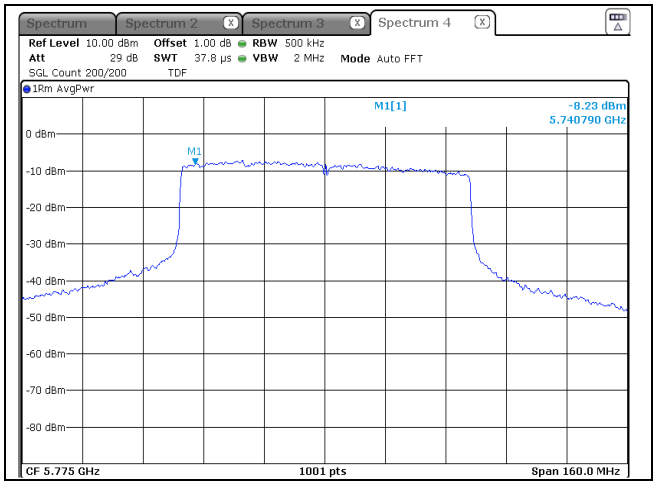
MIMO 2Tx (ANT 2)



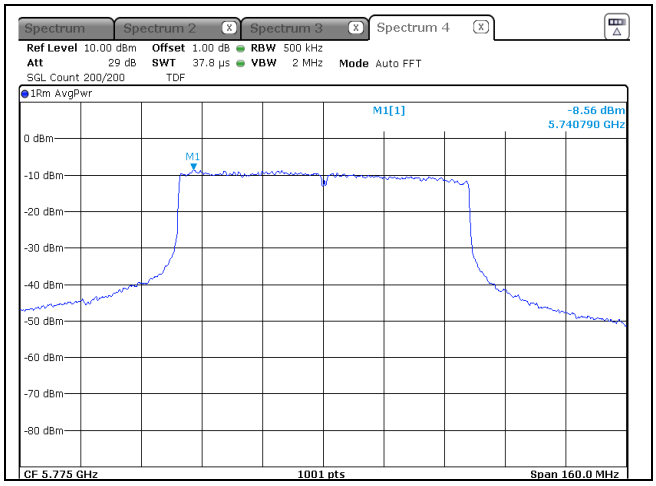
- 802.11ac VHT80

- 5 775 ㎒

MIMO 2Tx (ANT 1)



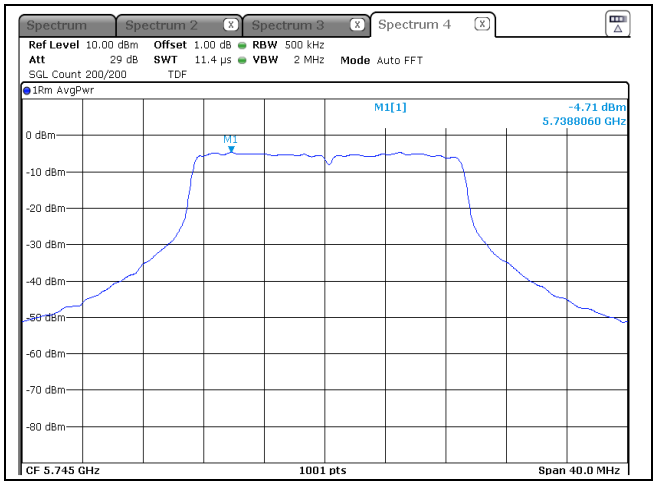
MIMO 2Tx (ANT 2)



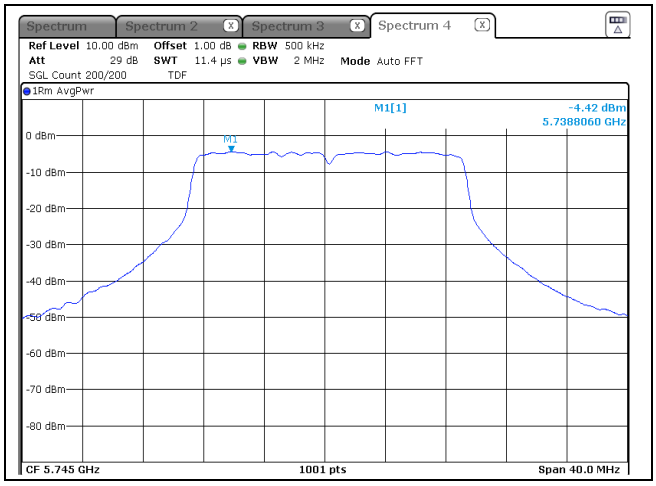
- 802.11n HT20

- 5 745 ㎒

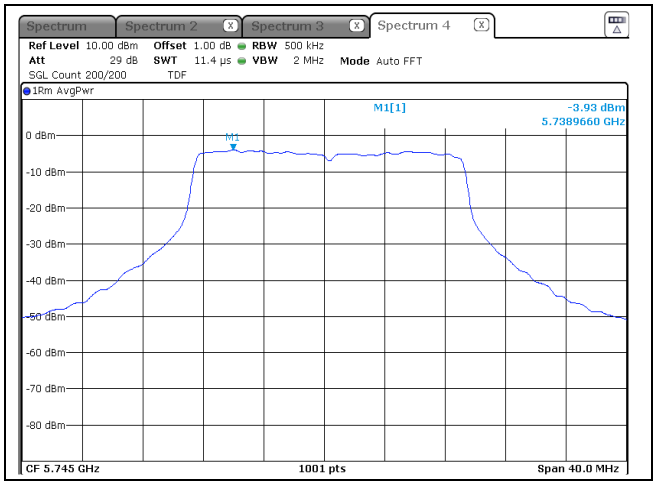
MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)

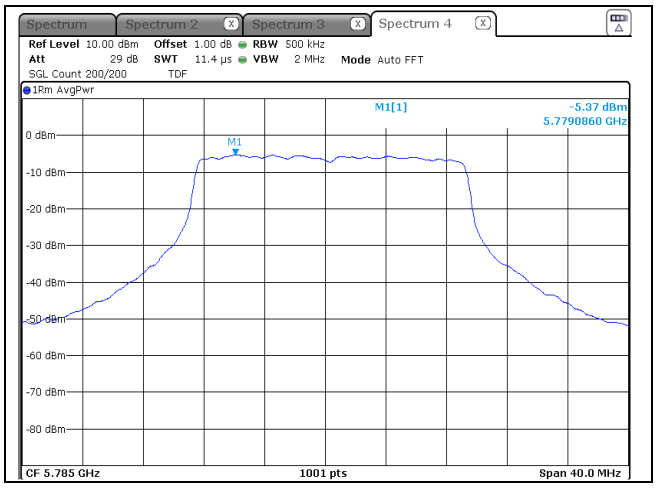


MIMO 3Tx (ANT 3)

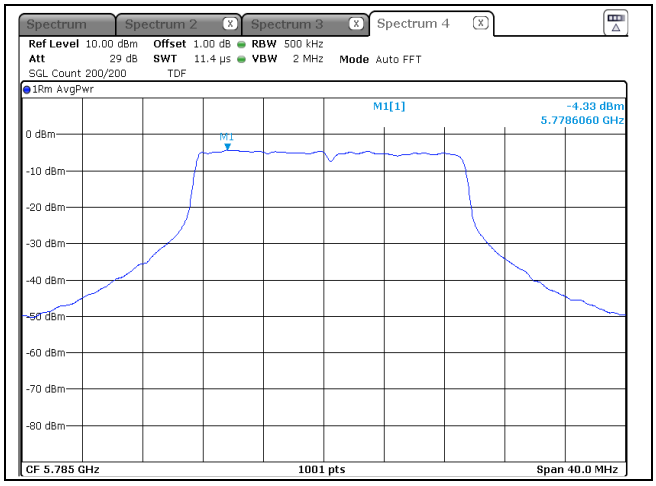


- 5 785 ㎒

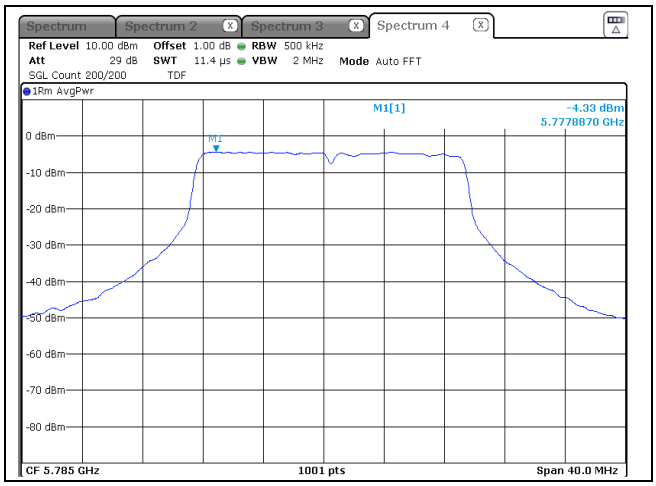
MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)

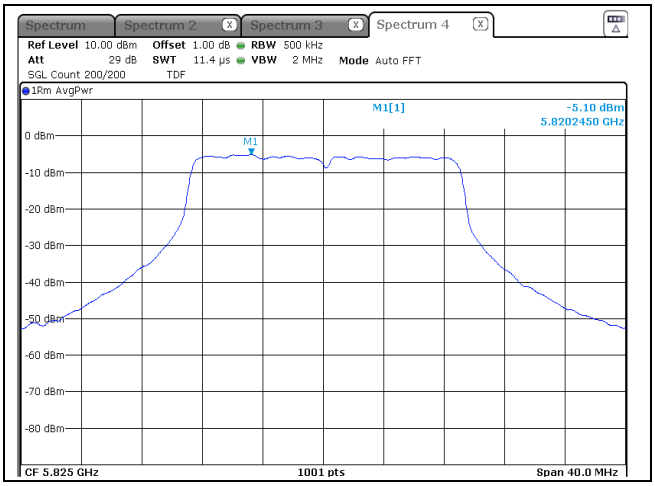


MIMO 3Tx (ANT 3)

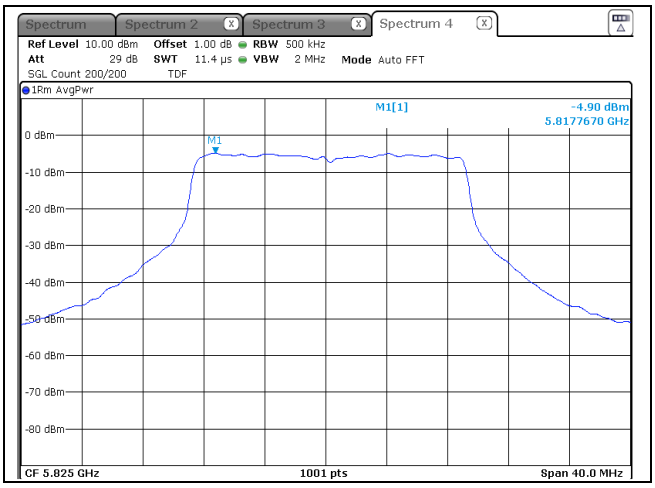


- 5 825 ㎒

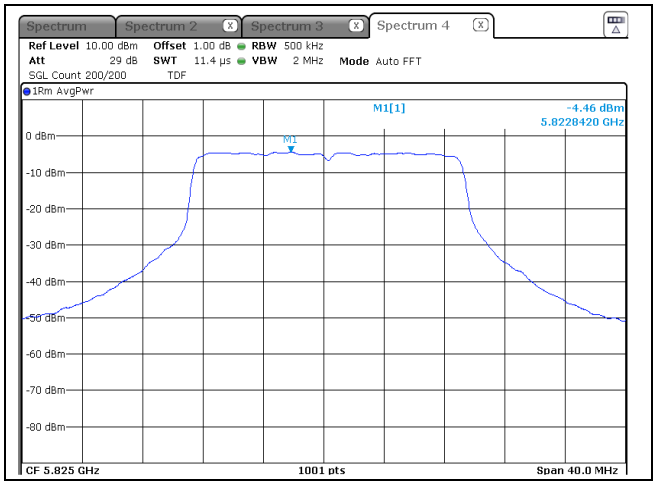
MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)



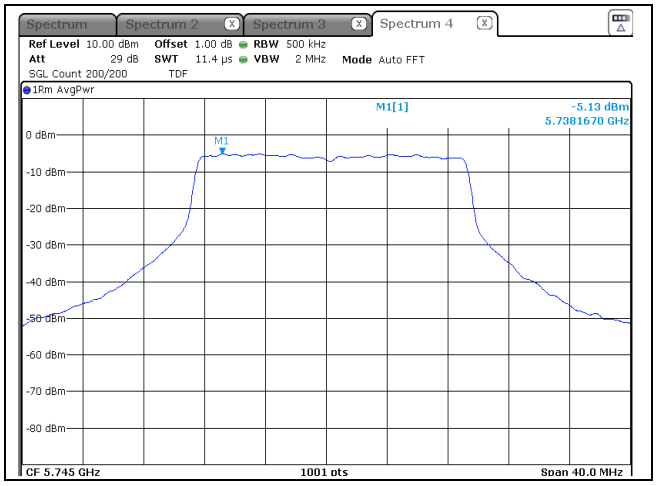
MIMO 3Tx (ANT 3)



- 802.11ac VHT20

- 5 745 ㎒

MIMO 3Tx (ANT 1)



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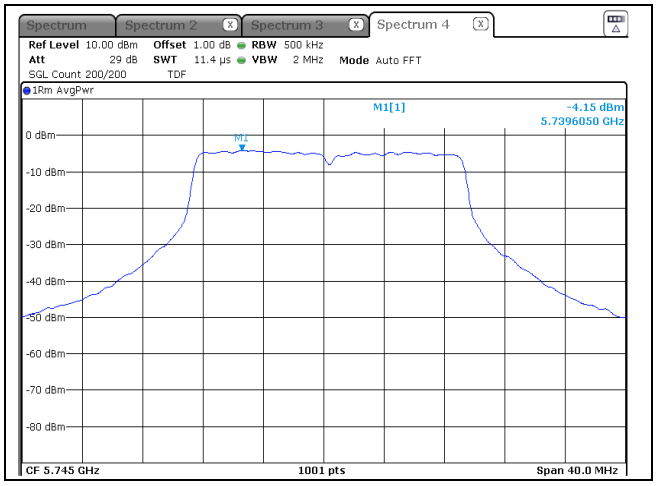
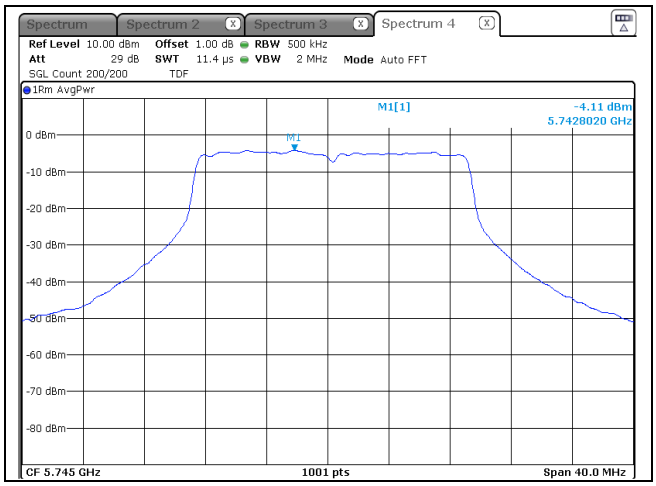
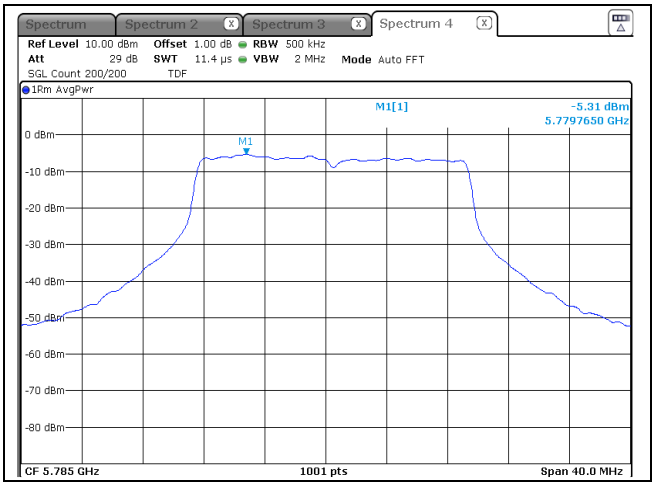


MIMO 3Tx (ANT 3)



- 5 785 ㎒

MIMO 3Tx (ANT 1)



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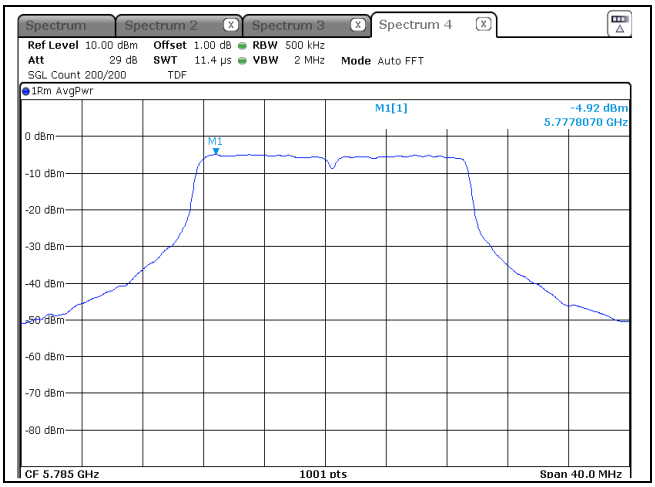

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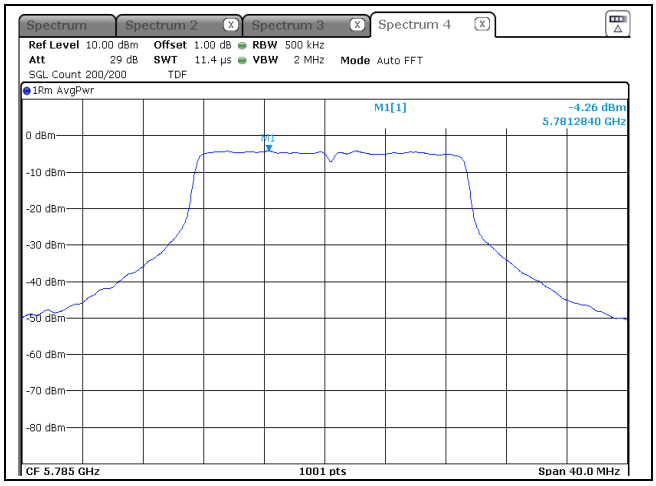
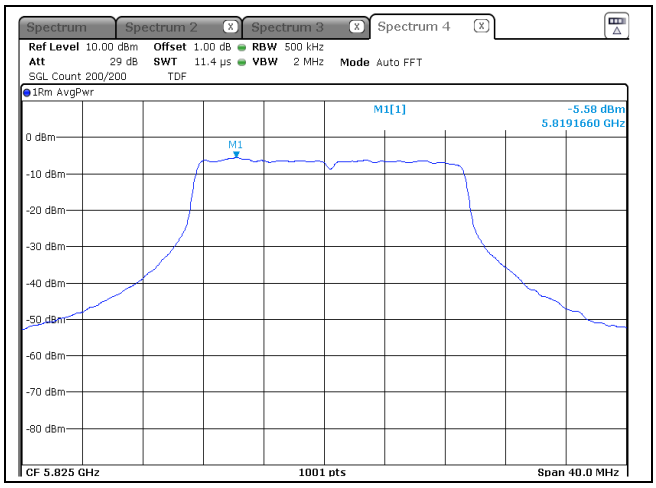


- 5 825 ㎒

MIMO 3Tx (ANT 1)



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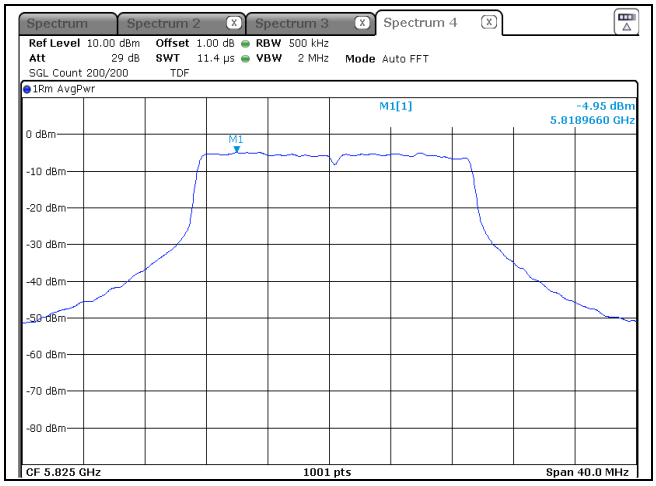
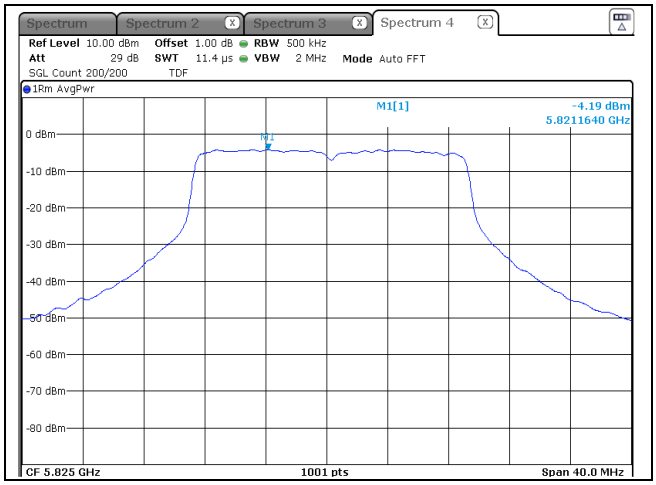


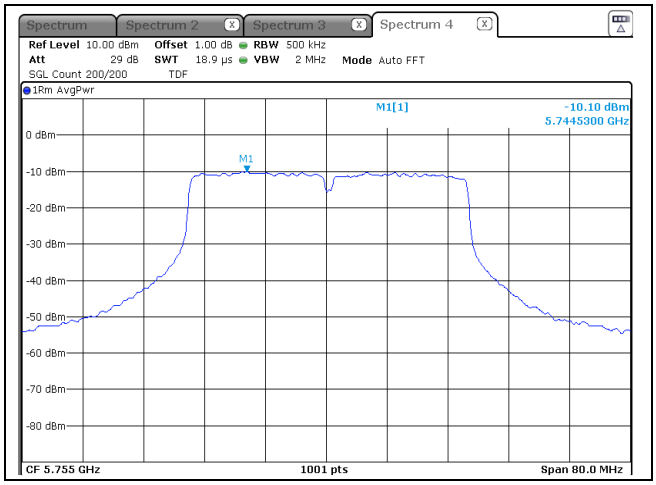
MIMO 3Tx (ANT 3)



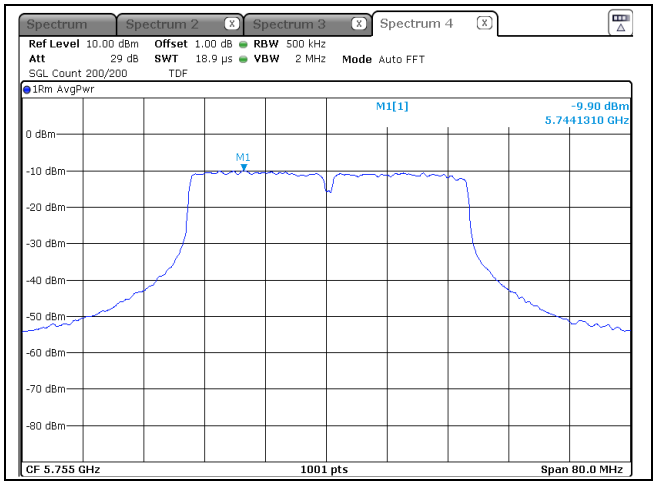
- 802.11n HT40

- 5 755 ㎒

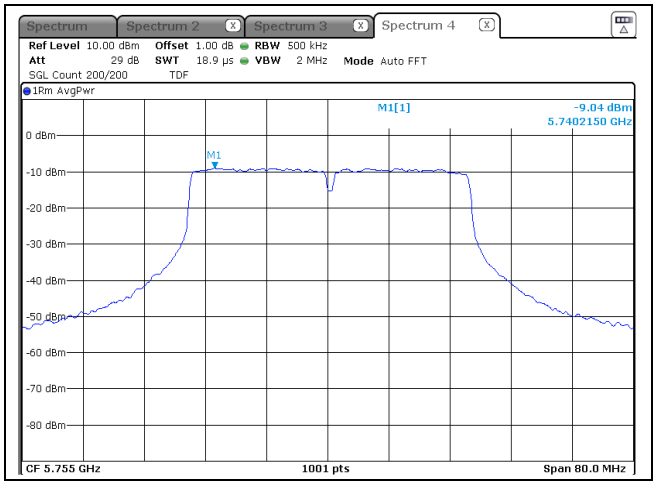
MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)

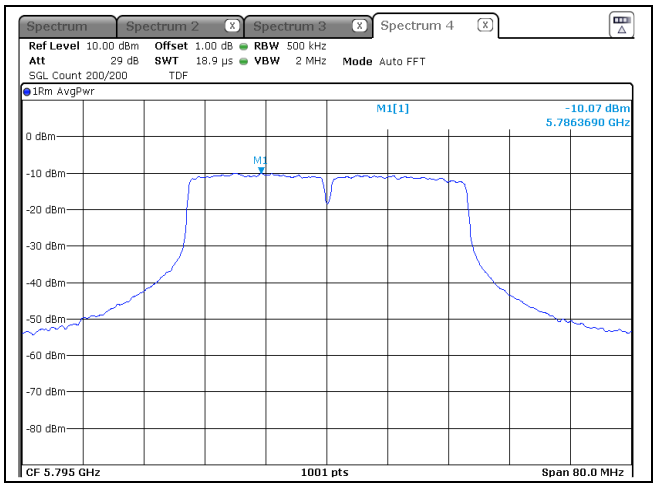


MIMO 3Tx (ANT 3)



- 5 795 ㎒

MIMO 3Tx (ANT 1)



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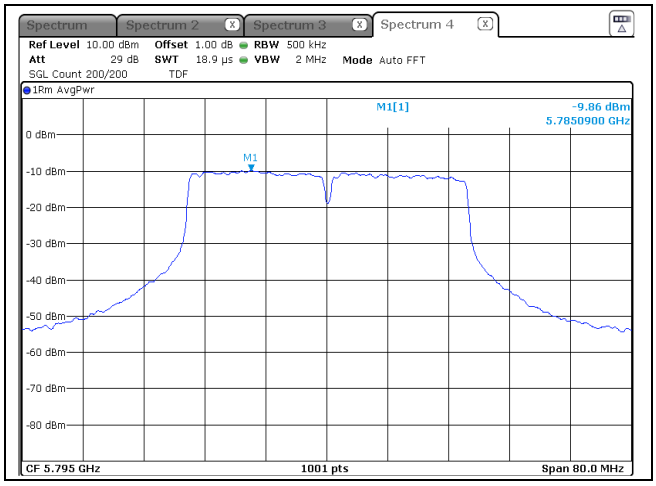
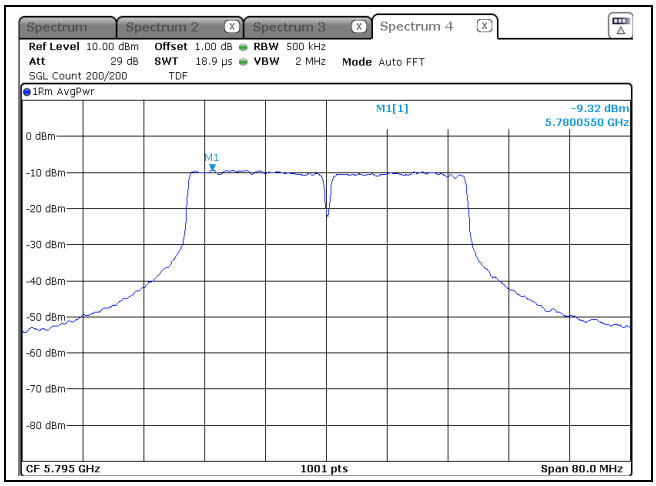


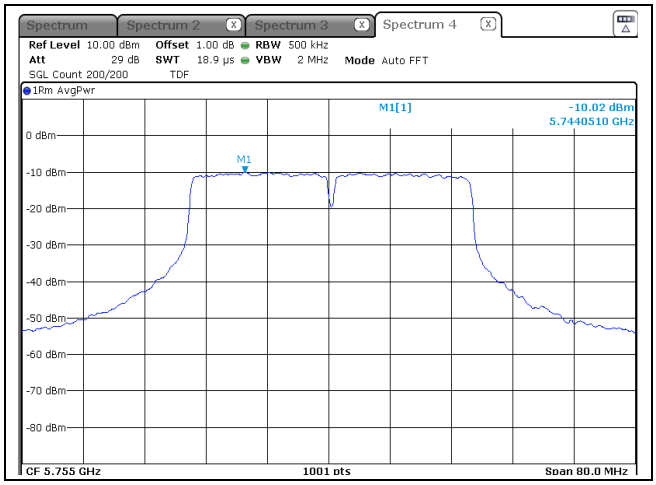
MIMO 3Tx (ANT 3)



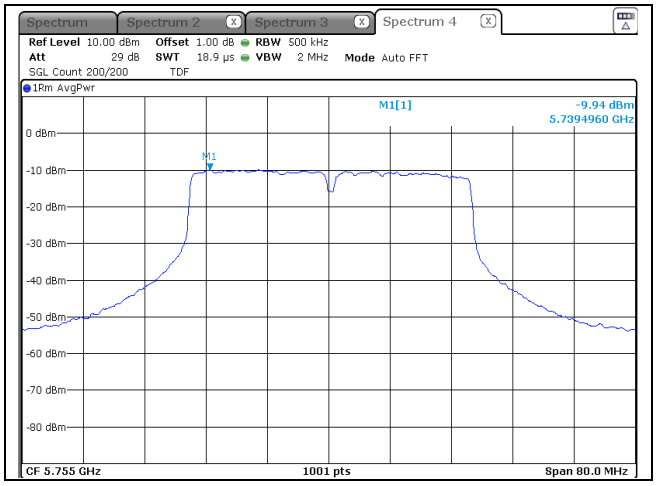
- 802.11ac VHT40

- 5 755 ㎒

MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)



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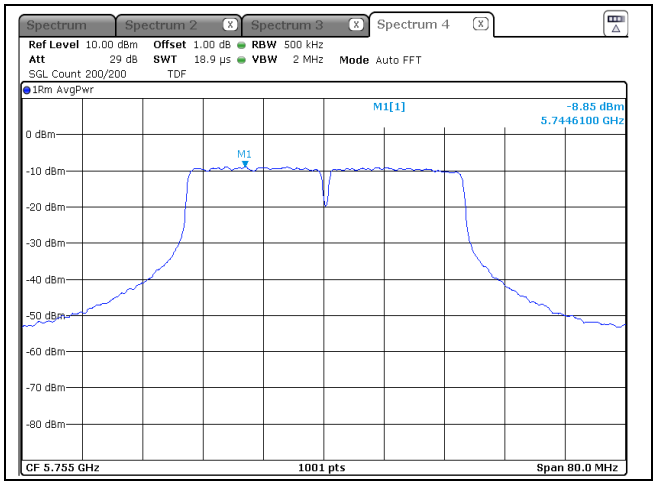
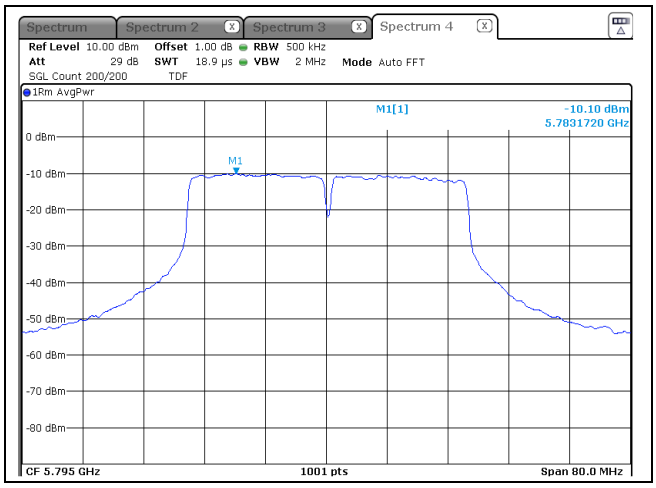


- 5 795 ㎒

MIMO 3Tx (ANT 1)



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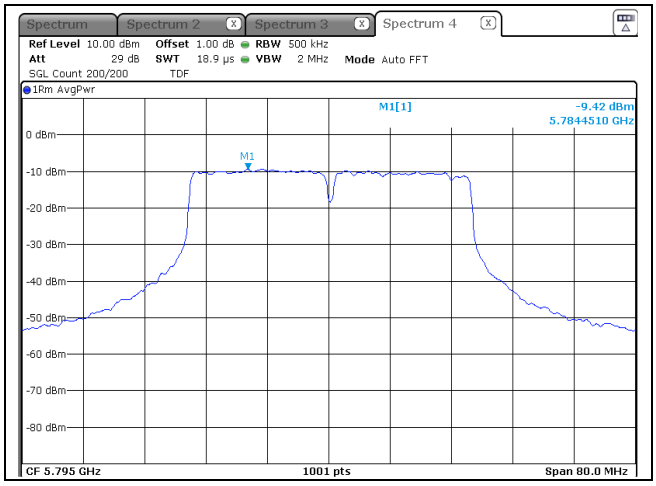
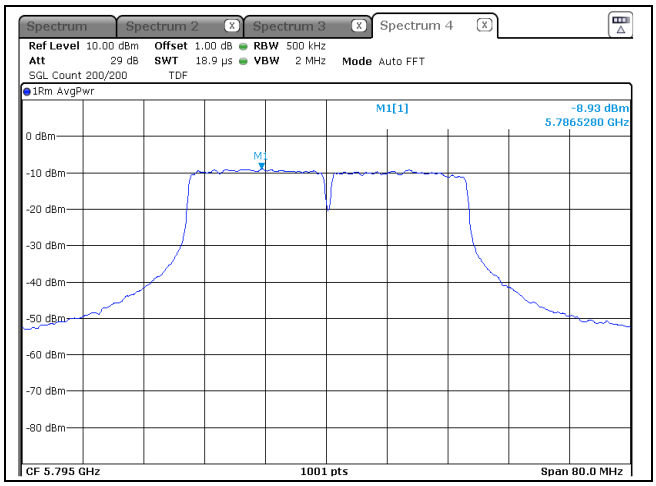


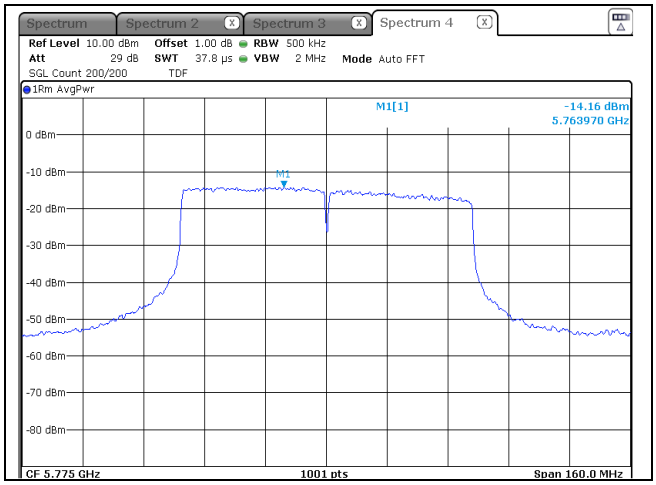
MIMO 3Tx (ANT 3)



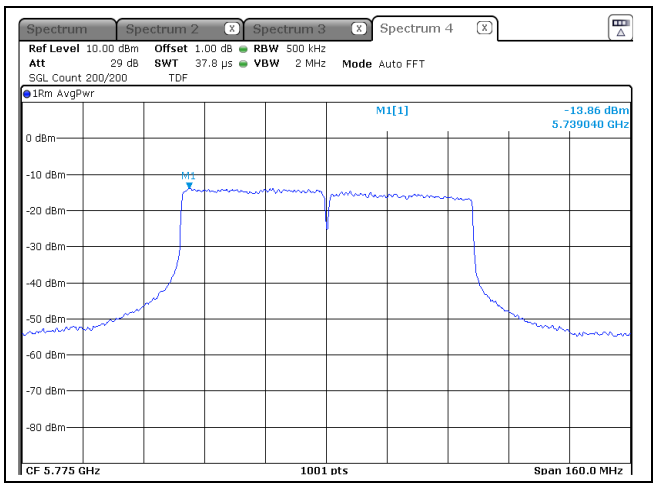
- 802.11ac VHT80

- 5 775 ㎒

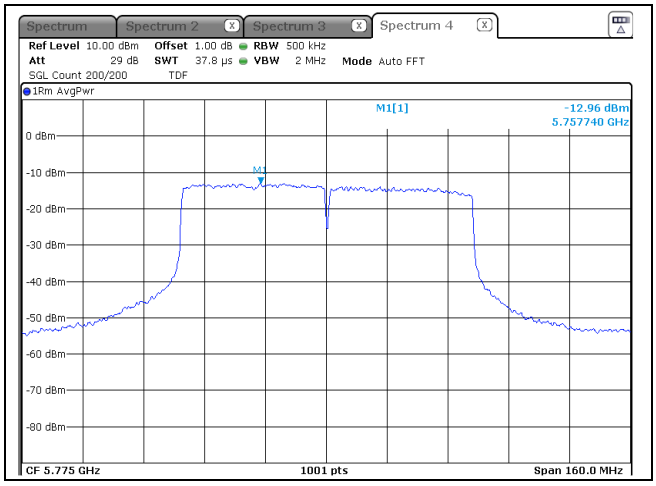
MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)



MIMO 3Tx (ANT 3)



5.5 Spurious Emission, Band Edge And Restricted Bands

5.5.1 Regulation

According to §15.407(b)(1) For transmitters operating in the 5.15–5.25 ㎓ band: all emissions outside of the 5.15–5.35 ㎓ band shall not exceed an EIRP of -27 dBm/㎒.

According to §15.407(b) (2) For transmitters operating in the 5.25-5.35 ㎓band: All emissions outside of the 5.15-5.35 ㎓band shall not exceed an e.i.r.p. of −27 dBm/㎒.

According to §15.407(b) For transmitters operating in the 5.47-5.725 ㎓band: All emissions outside of the 5.47-5.725 ㎓band shall not exceed an e.i.r.p. of −27 dBm/㎒.

According to §15.407(b) (4) For transmitters operating in the 5.725-5.85 ㎓ band: All emissions within the frequency range from the band edge to 10 ㎒ above or below the band edge shall not exceed an e.i.r.p. of −17 dBm/㎒; for frequencies 10 ㎒ or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of −27 dBm/㎒.

According to §15.407(b)(6) Unwanted emissions below 1 ㎓ must comply with the general field strength limits set forth in §15.209.

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 (μV/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

** The emission limits shown in the above table are based on measurement instrumentation employing a CISPR quasi-peak detector and above 1000 ㎒ are based on the average value of measured emissions.

According to §15.407(b)(7) The provisions of §15.205 apply to intentional radiators operating under this section.
(8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency block edges as the design of the equipment permits.

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

These test measurement settings are specified in section G of 789033 D02 General UNII Test Procedures New Rules v01.
For all radiated emissions tests, measurements must correspond to the direction of maximum emission level for each measured emission (see ANSI C63.10 for guidance).

5.5.2.1 Unwanted Emission Measurement

5.5.2.1.1 1. Unwanted Emissions in the Restricted Bands

a) For all measurements, follow the requirements in section II.G.3. "General Requirements for Unwanted Emissions Measurements."
b) At frequencies below 1000 MHz, use the procedure described in section II.G.4. "Procedure for Unwanted Emissions Measurements Below 1000 MHz."
c) At frequencies above 1000 MHz, measurements performed using the peak and average measurement procedures described in sections II.G.5. and II.G.6, respectively, must satisfy the respective peak and average limits. If all peak measurements satisfy the average limit, then average measurements are not required.
d) For conducted measurements above 1000 MHz, EIRP shall be computed as specified in section II.G.3.b) and then field strength shall be computed as follows (see KDB Publication 412172): (i) E[dBµV/m] = EIRP[dBm] - 20 log (d[meters]) + 104.77, where E = field strength and d = distance at which field strength limit is specified in the rules; (ii) E[dBµV/m] = EIRP[dBm] + 95.2, for d = 3 meters.
e) For conducted measurements below 1000 MHz, the field strength shall be computed as specified in d), above, and then an additional 4.7 dB shall be added as an upper bound on the field strength that would be observed on a test range with a ground plane for frequencies between 30 MHz and 1000 MHz, or an additional 6 dB shall be added for frequencies below 30 MHz.2

5.5.2.1.1 2. Unwanted Emissions that fall Outside of the Restricted Bands

a) For all measurements, follow the requirements in section II.G.3. "General Requirements for Unwanted Emissions Measurements."

b) At frequencies below 1000 MHz, use the procedure described in section II.G.4. "Procedure for Unwanted Emissions Measurements Below 1000 MHz."

c) At frequencies above 1000 MHz, use the procedure for maximum emissions described in section II.G.5., "Procedure for Unwanted Maximum Unwanted Emissions Measurements Above 1000 MHz."

(i) Section 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and 2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz. However, an out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz dBm/MHz peak emission limit.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the alternative limit.

d) If radiated measurements are performed, field strength is then converted to EIRP as follows:

(i) EIRP = ((E×d)^2) / 30 where:

- E is the field strength in V/m;
- d is the measurement distance in meters;
- EIRP is the equivalent isotropically radiated power in watts.

(ii) Working in dB units, the above equation is equivalent to: EIRP[dBm] = E[dBµV/m] + 20 log (d[meters]) - 104.77

(iii) Or, if d is 3 meters: EIRP[dBm] = E[dBµV/m] - 95.2

5.5.2.2 Spurious Radiated 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 1000 ㎒ using the TRILOG broadband antenna, and from 1 000 ㎒ to 40 000 ㎒ 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 measurement for below 1 ㎓ and 1.5m is for above 1 ㎓ measurement.

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 ㎓.

5.5.3 Test Result

-complied

1. Band-edge & Conducted Spurious Emissions was shown in figure 3.
   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.

- Below 1 ㎓ data (Worst-case: 5 150 Band 802.11a_ANT 2)

802.11a_Highest Channel (5 240 ㎒)

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 ㎓										
99.84	120	V	45.10	-2.25	-28.02	11.67	-18.60	26.50	43.50	17.00
154.89	120	H	58.00	-2.77	-26.93	8.60	-21.10	36.90	43.50	6.60
202.90	120	H	55.40	-2.31	-29.23	13.64	-17.90	37.50	43.50	6.00
375.08	120	H	45.80	-4.41	-23.74	15.25	-12.90	32.90	46.00	13.10
625.10	120	V	38.70	-5.76	-20.92	19.38	-7.30	31.40	46.00	14.60
900.09	120	H	40.90	-7.14	-18.06	22.20	-3.00	37.90	46.00	8.10
Above 950.00	**Not Detected**	-	-	-	-	-	-	-	-	-

- Above 1 ㎓ data

5 150 Band

- ANT 1

802.11a_Lowest Channel (5 180 ㎒)

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 ㎓										
1 200.06	1 000	H	55.20	2.65	-48.34	29.09	-16.60	38.60	74.00	35.40
2 442.38	1 000	H	67.00	6.12	-47.12	31.30	-9.70	57.30	74.00	16.70
5 147.69	1 000	H	55.40	7.24	-46.30	34.96	-4.10	51.30	74.00	22.70
6 906.81	1 000	H	53.00	8.79	-46.02	35.83	-1.40	51.60	68.20	16.60
14 110.12	1 000	H	44.50	12.15	-43.68	39.33	7.80	52.30	68.20	15.90
27 520.50	1 000	H	41.80	15.10	-47.60	45.60	13.10	54.90	68.20	13.30
38 790.00	1 000	V	44.00	18.50	-49.70	44.30	13.10	57.10	68.20	11.10
Average DATA. Emissions above 1 ㎓										
1 200.06	1 000	H	43.10	2.65	-48.34	29.09	-16.60	26.50	54.00	27.50
2 442.38	1 000	H	39.80	6.12	-47.12	31.30	-9.70	30.10	54.00	23.90
5 147.69	1 000	H	43.90	7.24	-46.30	34.96	-4.10	39.80	54.00	14.20
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11a_Middle Channel (5 200 ㎒)

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 ㎓										
1 716.38	1 000	H	70.80	2.38	-47.67	30.09	-15.20	55.60	74.00	18.40
1 952.19	1 000	V	69.20	4.51	-47.36	30.55	-12.30	56.90	74.00	17.10
6 932.69	1 000	H	50.60	8.78	-46.04	35.86	-1.40	49.20	68.20	19.00
12 794.81	1 000	V	43.00	11.79	-47.01	38.62	3.40	46.40	68.20	21.80
28 056.75	1 000	H	41.90	15.20	-47.40	45.80	13.60	55.50	68.20	12.70
38 487.50	1 000	V	43.80	18.60	-49.50	44.30	13.40	57.20	68.20	11.00
Average DATA. Emissions above 1 ㎓										
1 716.38	1 000	H	41.50	2.38	-47.67	30.09	-15.20	26.30	54.00	27.70
1 952.19	1 000	V	40.80	4.51	-47.36	30.55	-12.30	28.50	54.00	25.50
Above 2 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11a_Highest Channel (5 240 ㎒)

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 ㎓										
1 031.63	1 000	H	73.70	3.00	-48.56	28.76	-16.80	56.90	74.00	17.10
5 422.00	1 000	H	54.30	7.32	-46.38	34.96	-4.10	50.20	74.00	23.80
6 985.88	1 000	H	48.10	8.76	-46.07	35.91	-1.40	46.70	68.20	21.50
17 226.62	1 000	V	39.10	13.44	-43.86	40.92	10.50	49.60	68.20	18.60
27 116.25	1 000	H	42.10	15.10	-47.70	45.40	12.80	54.90	68.20	13.30
38 619.50	1 000	V	42.70	18.60	-49.60	44.30	13.30	56.00	68.20	12.20
Average DATA. Emissions above 1 ㎓										
1 031.63	1 000	H	50.30	3.00	-48.56	28.76	-16.80	33.50	54.00	20.50
5 422.00	1 000	H	43.10	7.32	-46.38	34.96	-4.10	39.00	54.00	15.00
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT20_Lowest Channel (5 180 ㎒)

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 ㎓										
1 349.94	1 000	H	54.70	2.07	-48.15	29.38	-16.70	38.00	74.00	36.00
3 938.38	1 000	H	49.00	6.42	-46.34	33.22	-6.70	42.30	74.00	31.70
5 129.13	1 000	H	52.50	7.34	-46.30	34.96	-4.00	48.50	74.00	25.50
6 906.81	1 000	H	53.90	8.79	-46.02	35.83	-1.40	52.50	68.20	15.70
15 100.56	1 000	H	44.40	12.88	-46.45	39.77	6.20	50.60	68.20	17.60
25 906.25	1 000	H	41.70	14.40	-47.00	46.30	13.70	55.40	68.20	12.80
37 074.00	1 000	V	45.60	17.60	-48.50	46.00	15.10	60.70	68.20	7.50
Average DATA. Emissions above 1 ㎓										
1 349.94	1 000	H	42.30	2.07	-48.15	29.38	-16.70	25.60	54.00	28.40
3 938.38	1 000	H	37.70	6.42	-46.34	33.22	-6.70	31.00	54.00	23.00
5 129.13	1 000	H	42.80	7.34	-46.30	34.96	-4.00	38.80	54.00	15.20
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT20_Middle Channel (5 200 ㎒)

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 ㎓										
1 731.50	1 000	V	76.70	2.53	-47.65	30.12	-15.00	61.70	74.00	12.30
2 462.31	1 000	H	67.90	6.09	-47.12	31.33	-9.70	58.20	74.00	15.80
6 932.69	1 000	H	51.50	8.78	-46.04	35.86	-1.40	50.10	68.20	18.10
15 162.37	1 000	V	45.10	12.90	-46.53	39.83	6.20	51.30	68.20	16.90
27 856.00	1 000	H	43.30	15.20	-47.50	45.70	13.40	56.70	68.20	11.50
37 981.50	1 000	V	43.10	18.80	-49.40	44.40	13.80	56.90	68.20	11.30
Average DATA. Emissions above 1 ㎓										
1 731.50	1 000	V	41.60	2.53	-47.65	30.12	-15.00	26.60	54.00	27.40
2 462.31	1 000	H	40.30	6.09	-47.12	31.33	-9.70	30.60	54.00	23.40
Above 3 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT20_Highest Channel (5 240 ㎒)

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 ㎓										
1 035.06	1 000	H	70.90	2.98	-48.55	28.77	-16.80	54.10	74.00	19.90
2 474.00	1 000	H	62.10	6.06	-47.11	31.35	-9.70	52.40	74.00	21.60
5 370.44	1 000	H	56.20	7.34	-46.40	34.96	-4.10	52.10	74.00	21.90
6 906.81	1 000	H	54.10	8.79	-46.02	35.83	-1.40	52.70	68.20	15.50
15 260.12	1 000	V	42.10	12.93	-46.56	39.93	6.30	48.40	68.20	19.80
27 823.00	1 000	H	42.00	15.20	-47.50	45.70	13.40	55.40	68.20	12.80
38 688.25	1 000	V	42.90	18.50	-49.60	44.30	13.20	56.10	68.20	12.10
Average DATA. Emissions above 1 ㎓										
1 035.06	1 000	H	50.10	2.98	-48.55	28.77	-16.80	33.30	54.00	20.70
2 474.00	1 000	H	41.10	6.06	-47.11	31.35	-9.70	31.40	54.00	22.60
5 370.44	1 000	H	42.60	7.34	-46.40	34.96	-4.10	38.50	54.00	15.50
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Lowest Channel (5 180 ㎒)

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 ㎓										
1 733.56	1 000	H	77.50	2.53	-47.65	30.12	-15.00	62.50	74.00	11.50
2 436.19	1 000	H	66.80	6.14	-47.13	31.29	-9.70	57.10	74.00	16.90
5 149.75	1 000	H	57.10	7.24	-46.30	34.96	-4.10	53.00	74.00	21.00
6 905.38	1 000	H	52.60	8.79	-46.02	35.83	-1.40	51.20	68.20	17.00
17 394.81	1 000	V	41.20	13.48	-43.79	40.91	10.60	51.80	68.20	16.40
28 023.75	1 000	H	41.90	15.20	-47.50	45.80	13.50	55.40	68.20	12.80
38 721.25	1 000	V	43.80	18.50	-49.60	44.30	13.20	57.00	68.20	11.20
Average DATA. Emissions above 1 ㎓										
1 733.56	1 000	H	41.10	2.53	-47.65	30.12	-15.00	26.10	54.00	27.90
2 436.19	1 000	H	40.50	6.14	-47.13	31.29	-9.70	30.80	54.00	23.20
5 149.75	1 000	H	42.10	7.24	-46.30	34.96	-4.10	38.00	54.00	16.00
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Middle Channel (5 200 ㎒)

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 ㎓										
1 349.94	1 000	H	54.10	2.07	-48.15	29.38	-16.70	37.40	74.00	36.60
3 935.63	1 000	H	50.20	6.42	-46.34	33.22	-6.70	43.50	74.00	30.50
6 932.69	1 000	H	51.30	8.78	-46.04	35.86	-1.40	49.90	68.20	18.30
17 665.06	1 000	H	41.80	13.55	-43.46	40.91	11.00	52.80	68.20	15.40
28 158.50	1 000	H	40.60	15.30	-47.50	45.80	13.60	54.20	68.20	14.00
38 116.25	1 000	V	44.40	18.80	-49.40	44.40	13.80	58.20	68.20	10.00
Average DATA. Emissions above 1 ㎓										
1 349.94	1 000	H	42.70	2.07	-48.15	29.38	-16.70	26.00	54.00	28.00
3 935.63	1 000	H	38.00	6.42	-46.34	33.22	-6.70	31.30	54.00	22.70
Above 4 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Highest Channel (5 240 ㎒)

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 ㎓										
1 034.38	1 000	H	70.70	2.99	-48.56	28.77	-16.80	53.90	74.00	20.10
1 733.56	1 000	H	67.80	2.53	-47.65	30.12	-15.00	52.80	74.00	21.20
2 421.06	1 000	H	66.30	6.03	-47.10	31.27	-9.80	56.50	74.00	17.50
5 430.94	1 000	H	55.40	7.33	-46.39	34.96	-4.10	51.30	74.00	22.70
6 985.88	1 000	H	48.80	8.76	-46.07	35.91	-1.40	47.40	68.20	20.80
17 143.25	1 000	V	41.20	13.42	-43.94	40.92	10.40	51.60	68.20	16.60
27 352.75	1 000	H	42.80	15.10	-47.70	45.50	12.90	55.70	68.20	12.50
38 083.25	1 000	V	44.80	18.80	-49.40	44.40	13.80	58.60	68.20	9.60
Average DATA. Emissions above 1 ㎓										
1 034.38	1 000	H	50.50	2.99	-48.56	28.77	-16.80	33.70	54.00	20.30
1 733.56	1 000	H	41.10	2.53	-47.65	30.12	-15.00	26.10	54.00	27.90
2 421.06	1 000	H	40.00	6.03	-47.10	31.27	-9.80	30.20	54.00	23.80
5 430.94	1 000	H	44.50	7.33	-46.39	34.96	-4.10	40.40	54.00	13.60
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT40_Lowest Channel (5 190 ㎒)

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 ㎓										
5 146.31	1 000	H	54.60	7.27	-46.33	34.96	-4.10	50.50	74.00	23.50
5 356.00	1 000	H	51.40	7.31	-46.37	34.96	-4.10	47.30	74.00	26.70
6 919.75	1 000	H	51.30	8.79	-46.03	35.84	-1.40	49.90	68.20	18.30
17 399.12	1 000	V	40.80	13.48	-43.69	40.91	10.70	51.50	68.20	16.70
28 092.50	1 000	H	41.50	15.20	-47.40	45.80	13.60	55.10	68.20	13.10
38 487.50	1 000	H	43.50	18.60	-49.50	44.30	13.40	56.90	68.20	11.30
Average DATA. Emissions above 1 ㎓										
5 146.31	1 000	H	45.80	7.27	-46.33	34.96	-4.10	41.70	54.00	12.30
5 356.00	1 000	H	42.50	7.31	-46.37	34.96	-4.10	38.40	54.00	15.60
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT40_Highest Channel (5 230 ㎒)

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 ㎓										
1 024.75	1 000	H	60.30	3.02	-48.57	28.75	-16.80	43.50	74.00	30.50
5 118.13	1 000	H	50.20	7.36	-46.32	34.96	-4.00	46.20	74.00	27.80
5 378.69	1 000	H	51.00	7.34	-46.40	34.96	-4.10	46.90	74.00	27.10
6 972.94	1 000	H	47.30	8.76	-46.05	35.89	-1.40	45.90	68.20	22.30
17 147.56	1 000	V	41.90	13.42	-43.94	40.92	10.40	52.30	68.20	15.90
27 385.75	1 000	H	42.20	15.10	-47.70	45.50	12.90	55.10	68.20	13.10
38 487.50	1 000	V	43.10	18.60	-49.50	44.30	13.40	56.50	68.20	11.70
Average DATA. Emissions above 1 ㎓										
1 024.75	1 000	H	48.50	3.02	-48.57	28.75	-16.80	31.70	54.00	22.30
5 118.13	1 000	H	41.60	7.36	-46.32	34.96	-4.00	37.60	54.00	16.40
5 378.69	1 000	H	42.20	7.34	-46.40	34.96	-4.10	38.10	54.00	15.90
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT40_Lowest Channel (5 190 ㎒)

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 ㎓										
5 149.75	1 000	H	60.00	7.27	-46.33	34.96	-4.10	55.90	74.00	18.10
5 391.06	1 000	H	55.30	7.32	-46.38	34.96	-4.10	51.20	74.00	22.80
6 919.75	1 000	H	50.70	8.79	-46.03	35.84	-1.40	49.30	68.20	18.90
17 383.31	1 000	V	41.00	13.48	-43.79	40.91	10.60	51.60	68.20	16.60
27 619.50	1 000	H	41.50	15.10	-47.50	45.60	13.20	54.70	68.20	13.50
38 924.75	1 000	H	43.10	18.40	-49.70	44.30	13.00	56.10	68.20	12.10
Average DATA. Emissions above 1 ㎓										
5 149.75	1 000	H	48.20	7.27	-46.33	34.96	-4.10	44.10	54.00	9.90
5 391.06	1 000	H	44.10	7.32	-46.38	34.96	-4.10	40.00	54.00	14.00
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT40_Highest Channel (5 230 ㎒)

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 ㎓										
1 024.06	1 000	H	68.80	3.02	-48.57	28.75	-16.80	52.00	74.00	22.00
5 149.06	1 000	H	52.30	7.27	-46.33	34.96	-4.10	48.20	74.00	25.80
5 390.38	1 000	H	54.20	7.34	-46.40	34.96	-4.10	50.10	74.00	23.90
6 972.94	1 000	H	48.70	8.76	-46.05	35.89	-1.40	47.30	68.20	20.90
17 044.06	1 000	V	41.80	13.39	-44.01	40.92	10.30	52.10	68.20	16.10
27 586.50	1 000	H	41.60	15.10	-47.60	45.60	13.10	54.70	68.20	13.50
38 655.25	1 000	V	43.70	18.50	-49.60	44.30	13.20	56.90	68.20	11.30
Average DATA. Emissions above 1 ㎓										
1 024.06	1 000	H	57.10	3.02	-48.57	28.75	-16.80	40.30	54.00	13.70
5 149.06	1 000	H	43.20	7.27	-46.33	34.96	-4.10	39.10	54.00	14.90
5 390.38	1 000	H	44.10	7.34	-46.40	34.96	-4.10	40.00	54.00	14.00
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT80_Lowest Channel (5 210 ㎒)

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 ㎓										
1 004.13	1 000	H	58.80	2.88	-48.59	28.71	-17.00	41.80	74.00	32.20
5 147.00	1 000	H	58.90	7.27	-46.33	34.96	-4.10	54.80	74.00	19.20
5 401.38	1 000	H	54.60	7.34	-46.40	34.96	-4.10	50.50	74.00	23.50
7 494.75	1 000	H	48.00	9.00	-45.92	35.82	-1.10	46.90	68.20	21.30
17 519.87	1 000	H	41.40	13.52	-43.63	40.91	10.80	52.20	68.20	16.00
27 619.50	1 000	H	42.10	15.10	-47.50	45.60	13.20	55.30	68.20	12.90
38 990.75	1 000	V	44.20	18.40	-49.70	44.30	13.00	57.20	68.20	11.00
Average DATA. Emissions above 1 ㎓										
1 004.13	1 000	H	49.50	2.88	-48.59	28.71	-17.00	32.50	54.00	21.50
5 147.00	1 000	H	48.90	7.27	-46.33	34.96	-4.10	44.80	54.00	9.20
5 401.38	1 000	H	45.20	7.34	-46.40	34.96	-4.10	41.10	54.00	12.90
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

- ANT 2

802.11a_Lowest Channel (5 180 ㎒)

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 ㎓										
1 375.38	1 000	H	55.10	1.98	-48.11	29.43	-16.70	38.40	74.00	35.60
5 149.06	1 000	H	62.00	7.27	-46.33	34.96	-4.10	57.90	74.00	16.10
5 280.38	1 000	H	62.00	7.44	-46.40	34.96	-4.00	58.00	74.00	16.00
6 906.81	1 000	H	61.50	8.79	-46.02	35.83	-1.40	60.10	68.20	8.10
13 980.75	1 000	H	45.30	12.06	-43.54	39.28	7.80	53.10	68.20	15.10
27 050.25	1 000	H	41.80	15.00	-47.70	45.40	12.70	54.50	68.20	13.70
39 056.75	1 000	V	43.10	18.40	-49.80	44.40	13.00	56.10	68.20	12.10
Average DATA. Emissions above 1 ㎓										
1 375.38	1 000	H	45.50	1.98	-48.11	29.43	-16.70	28.80	54.00	25.20
5 149.06	1 000	H	38.50	7.27	-46.33	34.96	-4.10	34.40	54.00	19.60
5 280.38	1 000	H	50.10	7.44	-46.40	34.96	-4.00	46.10	54.00	7.90
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11a_Middle Channel (5 200 ㎒)

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 ㎓										
5 110.56	1 000	H	57.00	7.36	-46.32	34.96	-4.00	53.00	74.00	21.00
5 366.31	1 000	H	59.40	7.31	-46.37	34.96	-4.10	55.30	74.00	18.70
6 932.69	1 000	H	60.80	8.78	-46.04	35.86	-1.40	59.40	68.20	8.80
17 517.00	1 000	H	42.50	13.51	-43.62	40.91	10.80	53.30	68.20	14.90
28 648.00	1 000	H	43.70	15.50	-47.60	45.90	13.80	57.50	68.20	10.70
38 823.00	1 000	V	43.10	18.50	-49.70	44.30	13.10	56.20	68.20	12.00
Average DATA. Emissions above 1 ㎓										
5 110.56	1 000	H	44.90	7.36	-46.32	34.96	-4.00	40.90	54.00	13.10
5 366.31	1 000	H	46.70	7.31	-46.37	34.96	-4.10	42.60	54.00	11.40
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11a_Highest Channel (5 240 ㎒)

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 ㎓										
1 034.38	1 000	H	82.60	2.99	-48.56	28.77	-16.80	65.80	74.00	8.20
5 126.38	1 000	H	56.60	7.34	-46.30	34.96	-4.00	52.60	74.00	21.40
5 422.69	1 000	H	60.60	7.32	-46.38	34.96	-4.10	56.50	74.00	17.50
6 985.88	1 000	H	55.00	8.76	-46.07	35.91	-1.40	53.60	68.20	14.60
14 690.87	1 000	H	44.70	12.60	-45.65	39.55	6.50	51.20	68.20	17.00
27 957.75	1 000	H	41.20	15.20	-47.40	45.70	13.50	54.70	68.20	13.50
38 823.00	1 000	V	43.80	18.50	-49.70	44.30	13.10	56.90	68.20	11.30
Average DATA. Emissions above 1 ㎓										
1 034.38	1 000	H	50.20	2.99	-48.56	28.77	-16.80	33.40	54.00	20.60
5 126.38	1 000	H	45.10	7.32	-46.38	34.96	-4.00	41.10	54.00	12.90
5 422.69	1 000	H	42.80	7.34	-46.30	34.96	-4.10	38.70	54.00	15.30
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT20_Lowest Channel (5 180 ㎒)

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 ㎓										
2 413.50	1 000	V	66.20	6.07	-47.13	31.26	-9.80	56.40	74.00	17.60
2 470.56	1 000	V	64.30	6.06	-47.11	31.35	-9.70	54.60	74.00	19.40
5 148.38	1 000	H	57.80	7.24	-46.30	34.96	-4.10	53.70	74.00	20.30
5 235.00	1 000	H	59.00	7.29	-46.35	34.96	-4.10	54.90	74.00	19.10
6 906.81	1 000	H	60.10	8.79	-46.02	35.83	-1.40	58.70	68.20	9.50
15 208.37	1 000	H	44.70	12.92	-46.50	39.88	6.30	51.00	68.20	17.20
28 428.00	1 000	H	42.50	15.40	-47.50	45.80	13.70	56.20	68.20	12.00
38 688.25	1 000	V	43.30	18.50	-49.60	44.30	13.20	56.50	68.20	11.70
Average DATA. Emissions above 1 ㎓										
2 413.50	1 000	V	40.60	6.07	-47.13	31.26	-9.80	30.80	54.00	23.20
2 470.56	1 000	V	40.10	6.06	-47.11	31.35	-9.70	30.40	54.00	23.60
5 148.38	1 000	H	46.50	7.24	-46.30	34.96	-4.10	42.40	54.00	11.60
5 235.00	1 000	H	48.30	7.29	-46.35	34.96	-4.10	44.20	54.00	9.80
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT20_Middle Channel (5 200 ㎒)

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 ㎓										
2 411.44	1 000	H	69.00	6.08	-47.14	31.26	-9.80	59.20	74.00	14.80
3 944.56	1 000	H	49.30	6.40	-46.33	33.23	-6.70	42.60	74.00	31.40
5 274.19	1 000	H	58.60	7.44	-46.40	34.96	-4.00	54.60	74.00	19.40
6 932.69	1 000	H	59.30	8.78	-46.04	35.86	-1.40	57.90	68.20	10.30
17 521.31	1 000	H	42.90	13.52	-43.63	40.91	10.80	53.70	68.20	14.50
27 487.50	1 000	H	42.00	15.10	-47.60	45.50	13.00	55.00	68.20	13.20
38 619.50	1 000	V	43.00	18.60	-49.60	44.30	13.30	56.30	68.20	11.90
Average DATA. Emissions above 1 ㎓										
2 411.44	1 000	H	40.90	6.08	-47.14	31.26	-9.80	31.10	54.00	22.90
3 944.56	1 000	H	38.30	6.40	-46.33	33.23	-6.70	31.60	54.00	22.40
5 274.19	1 000	H	44.30	7.44	-46.40	34.96	-4.00	40.30	54.00	13.70
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT20_Highest Channel (5 240 ㎒)

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 ㎓										
1 034.38	1 000	H	79.60	2.99	-48.56	28.77	-16.80	62.80	74.00	11.20
5 371.81	1 000	H	57.70	7.31	-46.37	34.96	-4.10	53.60	74.00	20.40
6 906.81	1 000	H	60.20	8.79	-46.02	35.83	-1.40	58.80	68.20	9.40
16 766.62	1 000	V	43.90	13.34	-44.50	40.86	9.70	53.60	68.20	14.60
28 293.25	1 000	H	43.20	15.30	-47.40	45.80	13.70	56.90	68.20	11.30
38 182.25	1 000	V	44.10	18.80	-49.40	44.40	13.80	57.90	68.20	10.30
Average DATA. Emissions above 1 ㎓										
1 034.38	1 000	H	50.70	2.99	-48.56	28.77	-16.80	33.90	54.00	20.10
5 371.81	1 000	H	47.50	7.31	-46.37	34.96	-4.10	43.40	54.00	10.60
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Lowest Channel (5 180 ㎒)

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 ㎓										
2 419.00	1 000	H	70.30	6.06	-47.13	31.27	-9.80	60.50	74.00	13.50
5 145.63	1 000	H	59.20	7.27	-46.33	34.96	-4.10	55.10	74.00	18.90
5 287.25	1 000	H	58.80	7.44	-46.40	34.96	-4.00	54.80	74.00	19.20
6 906.81	1 000	H	56.40	8.79	-46.02	35.83	-1.40	55.00	68.20	13.20
17 754.19	1 000	V	42.10	13.58	-43.28	40.90	11.20	53.30	68.20	14.90
27 619.50	1 000	H	41.70	15.10	-47.50	45.60	13.20	54.90	68.20	13.30
38 754.25	1 000	V	43.30	18.50	-49.70	44.30	13.10	56.40	68.20	11.80
Average DATA. Emissions above 1 ㎓										
2 419.00	1 000	H	40.90	6.06	-47.13	31.27	-9.80	31.10	54.00	22.90
5 145.63	1 000	H	48.10	7.27	-46.33	34.96	-4.10	44.00	54.00	10.00
5 287.25	1 000	H	45.70	7.44	-46.40	34.96	-4.00	41.70	54.00	12.30
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Middle Channel (5 200 ㎒)

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 ㎓										
1 349.94	1 000	H	54.60	2.07	-48.15	29.38	-16.70	37.90	74.00	36.10
3 744.50	1 000	H	49.30	6.25	-46.45	33.00	-7.20	42.10	74.00	31.90
5 375.94	1 000	H	58.30	7.34	-46.40	34.96	-4.10	54.20	74.00	19.80
6 932.69	1 000	H	55.00	8.78	-46.04	35.86	-1.40	53.60	68.20	14.60
17 528.50	1 000	H	41.70	13.52	-43.63	40.91	10.80	52.50	68.20	15.70
27 889.00	1 000	H	42.00	15.20	-47.50	45.70	13.40	55.40	68.20	12.80
38 520.50	1 000	V	43.40	18.60	-49.50	44.30	13.40	56.80	68.20	11.40
Average DATA. Emissions above 1 ㎓										
1 349.94	1 000	H	47.30	2.07	-48.15	29.38	-16.70	30.60	54.00	23.40
3 744.50	1 000	H	38.40	6.25	-46.45	33.00	-7.20	31.20	54.00	22.80
5 375.94	1 000	H	46.90	7.34	-46.40	34.96	-4.10	42.80	54.00	11.20
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Highest Channel (5 240 ㎒)

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 ㎓										
1 039.19	1 000	H	79.30	3.07	-48.55	28.78	-16.70	62.60	74.00	11.40
5 401.38	1 000	H	57.80	7.32	-46.38	34.96	-4.10	53.70	74.00	20.30
6 985.88	1 000	H	51.20	8.76	-46.07	35.91	-1.40	49.80	68.20	18.40
17 416.37	1 000	V	41.70	13.49	-43.70	40.91	10.70	52.40	68.20	15.80
28 023.75	1 000	H	42.30	15.20	-47.50	45.80	13.50	55.80	68.20	12.40
38 352.75	1 000	V	42.90	18.70	-49.50	44.40	13.60	56.50	68.20	11.70
Average DATA. Emissions above 1 ㎓										
1 039.19	1 000	H	44.80	3.07	-48.55	28.78	-16.70	28.10	54.00	25.90
5 401.38	1 000	H	47.90	7.32	-46.38	34.96	-4.10	43.80	54.00	10.20
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT40_Lowest Channel (5 190 ㎒)

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 ㎓										
5 149.75	1 000	H	59.40	7.27	-46.33	34.96	-4.10	55.30	74.00	18.70
5 393.13	1 000	H	54.80	7.32	-46.38	34.96	-4.10	50.70	74.00	23.30
6 919.75	1 000	H	55.70	8.79	-46.03	35.84	-1.40	54.30	68.20	13.90
17 294.19	1 000	V	41.50	13.46	-43.87	40.91	10.50	52.00	68.20	16.20
27 823.00	1 000	H	41.10	15.20	-47.50	45.70	13.40	54.50	68.20	13.70
39 158.50	1 000	V	44.90	18.50	-49.90	44.50	13.10	58.00	68.20	10.20
Average DATA. Emissions above 1 ㎓										
5 149.75	1 000	H	49.10	7.27	-46.33	34.96	-4.10	45.00	54.00	9.00
5 393.13	1 000	H	45.00	7.32	-46.38	34.96	-4.10	40.90	54.00	13.10
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT40_Highest Channel (5 230 ㎒)

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 ㎓										
1 024.75	1 000	H	68.30	3.02	-48.57	28.75	-16.80	51.50	74.00	22.50
5 138.06	1 000	H	52.70	7.27	-46.33	34.96	-4.10	48.60	74.00	25.40
5 373.19	1 000	H	55.90	7.34	-46.40	34.96	-4.10	51.80	74.00	22.20
6 972.94	1 000	H	51.70	8.76	-46.05	35.89	-1.40	50.30	68.20	17.90
17 197.87	1 000	V	41.70	13.43	-43.95	40.92	10.40	52.10	68.20	16.10
28 428.00	1 000	H	41.80	15.40	-47.50	45.80	13.70	55.50	68.20	12.70
39 023.75	1 000	V	43.60	18.40	-49.70	44.30	13.00	56.60	68.20	11.60
Average DATA. Emissions above 1 ㎓										
1 024.75	1 000	H	57.50	3.02	-48.57	28.75	-16.80	40.70	54.00	13.30
5 138.06	1 000	H	43.20	7.27	-46.33	34.96	-4.10	39.10	54.00	14.90
5 373.19	1 000	H	46.20	7.34	-46.40	34.96	-4.10	42.10	54.00	11.90
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT40_Lowest Channel (5 190 ㎒)

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 ㎓										
5 149.75	1 000	H	54.30	7.27	-46.33	34.96	-4.10	50.20	74.00	23.80
5 396.56	1 000	H	54.70	7.32	-46.38	34.96	-4.10	50.60	74.00	23.40
6 919.75	1 000	H	54.90	8.79	-46.03	35.84	-1.40	53.50	68.20	14.70
17 518.44	1 000	H	41.30	13.51	-43.62	40.91	10.80	52.10	68.20	16.10
27 451.75	1 000	H	43.50	15.10	-47.60	45.50	13.00	56.50	68.20	11.70
38 619.50	1 000	H	42.40	18.60	-49.60	44.30	13.30	55.70	68.20	12.50
Average DATA. Emissions above 1 ㎓										
5 149.75	1 000	H	43.60	7.27	-46.33	34.96	-4.10	39.50	54.00	14.50
5 396.56	1 000	H	42.40	7.32	-46.38	34.96	-4.10	38.30	54.00	15.70
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT40_Highest Channel (5 230 ㎒)

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 ㎓										
1 019.25	1 000	H	62.70	2.93	-48.57	28.74	-16.90	45.80	74.00	28.20
5 107.81	1 000	H	50.60	7.36	-46.32	34.96	-4.00	46.60	74.00	27.40
5 417.19	1 000	H	53.60	7.34	-46.40	34.96	-4.10	49.50	74.00	24.50
6 972.94	1 000	H	51.20	8.76	-46.05	35.89	-1.40	49.80	68.20	18.40
17 501.19	1 000	V	41.40	13.51	-43.62	40.91	10.80	52.20	68.20	16.00
27 385.75	1 000	H	44.30	15.10	-47.70	45.50	12.90	57.20	68.20	11.00
37 948.50	1 000	V	42.80	18.80	-49.50	44.50	13.80	56.60	68.20	11.60
Average DATA. Emissions above 1 ㎓										
1 019.25	1 000	H	53.10	2.93	-48.57	28.74	-16.90	36.20	54.00	17.80
5 107.81	1 000	H	41.50	7.36	-46.32	34.96	-4.00	37.50	54.00	16.50
5 417.19	1 000	H	44.50	7.34	-46.40	34.96	-4.10	40.40	54.00	13.60
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT80_Lowest Channel (5 210 ㎒)

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 ㎓										
5 147.00	1 000	H	56.80	7.27	-46.33	34.96	-4.10	52.70	74.00	21.30
5 402.06	1 000	H	53.90	7.32	-46.38	34.96	-4.10	49.80	74.00	24.20
6 945.63	1 000	H	54.40	8.78	-46.05	35.87	-1.40	53.00	68.20	15.20
17 521.31	1 000	V	41.20	13.52	-43.63	40.91	10.80	52.00	68.20	16.20
27 116.25	1 000	H	43.90	15.10	-47.70	45.40	12.80	56.70	68.20	11.50
38 385.75	1 000	V	43.10	18.70	-49.40	44.30	13.60	56.70	68.20	11.50
Average DATA. Emissions above 1 ㎓										
5 147.00	1 000	H	47.50	7.27	-46.33	34.96	-4.10	43.40	54.00	10.60
5 402.06	1 000	H	44.20	7.32	-46.38	34.96	-4.10	40.10	54.00	13.90
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

- ANT 3

802.11a_Lowest Channel (5 180 ㎒)

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 ㎓										
1 732.19	1 000	V	80.80	2.53	-47.65	30.12	-15.00	65.80	74.00	8.20
5 149.75	1 000	H	60.70	7.27	-46.33	34.96	-4.10	56.60	74.00	17.40
6 906.81	1 000	H	54.60	8.79	-46.02	35.83	-1.40	53.20	68.20	15.00
10 356.81	1 000	H	46.90	10.32	-44.34	37.62	3.60	50.50	68.20	17.70
25 535.00	1 000	H	43.10	14.50	-47.10	46.00	13.40	56.50	68.20	11.70
38 116.25	1 000	V	44.40	18.80	-49.40	44.40	13.80	58.20	68.20	10.00
Average DATA. Emissions above 1 ㎓										
1 200.06	1 000	H	41.20	2.53	-47.65	30.12	-15.00	26.20	54.00	27.80
5 147.69	1 000	H	48.10	7.27	-46.33	34.96	-4.10	44.00	54.00	10.00
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11a_Middle Channel (5 200 ㎒)

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 ㎓										
1 348.56	1 000	H	55.00	2.07	-48.15	29.38	-16.70	38.30	74.00	35.70
3 910.19	1 000	V	49.20	6.36	-46.35	33.19	-6.80	42.40	74.00	31.60
6 932.69	1 000	H	52.60	8.78	-46.04	35.86	-1.40	51.20	68.20	17.00
14 932.37	1 000	V	44.80	12.79	-46.23	39.64	6.20	51.00	68.20	17.20
27 957.75	1 000	H	41.30	15.20	-47.40	45.70	13.50	54.80	68.20	13.40
39 227.25	1 000	V	43.30	18.50	-49.90	44.70	13.30	56.60	68.20	11.60
Average DATA. Emissions above 1 ㎓										
1 348.56	1 000	H	42.30	2.07	-48.15	29.38	-16.70	25.60	54.00	28.40
3 910.19	1 000	V	37.80	6.36	-46.35	33.19	-6.80	31.00	54.00	23.00
Above 4 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11a_Highest Channel (5 240 ㎒)

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 ㎓										
1 035.75	1 000	H	80.80	2.98	-48.55	28.77	-16.80	64.00	74.00	10.00
1 733.56	1 000	V	80.60	2.53	-47.65	30.12	-15.00	65.60	74.00	8.40
2 418.31	1 000	V	67.90	6.03	-47.10	31.27	-9.80	58.10	74.00	15.90
5 427.50	1 000	H	55.30	7.33	-46.39	34.96	-4.10	51.20	74.00	22.80
6 985.88	1 000	H	51.10	8.76	-46.07	35.91	-1.40	49.70	68.20	18.50
17 630.56	1 000	H	43.30	13.54	-43.55	40.91	10.90	54.20	68.20	14.00
27 553.50	1 000	H	40.90	15.10	-47.60	45.60	13.10	54.00	68.20	14.20
39 158.50	1 000	V	43.20	18.50	-49.90	44.50	13.10	56.30	68.20	11.90
Average DATA. Emissions above 1 ㎓										
1 035.75	1 000	H	42.50	2.98	-48.55	28.77	-16.80	25.70	54.00	28.30
1 733.56	1 000	V	40.90	2.53	-47.65	30.12	-15.00	25.90	54.00	28.10
2 418.31	1 000	V	40.50	6.03	-47.10	31.27	-9.80	30.70	54.00	23.30
5 427.50	1 000	H	45.90	7.33	-46.39	34.96	-4.10	41.80	54.00	12.20
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT20_Lowest Channel (5 180 ㎒)

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 ㎓										
1 952.19	1 000	V	75.20	4.51	-47.36	30.55	-12.30	62.90	74.00	11.10
2 420.38	1 000	V	66.10	6.06	-47.13	31.27	-9.80	56.30	74.00	17.70
5 147.69	1 000	H	57.80	7.24	-46.30	34.96	-4.10	53.70	74.00	20.30
6 906.81	1 000	H	54.30	8.79	-46.02	35.83	-1.40	52.90	68.20	15.30
14 146.06	1 000	V	44.90	12.17	-43.82	39.35	7.70	52.60	68.20	15.60
28 395.00	1 000	H	42.90	15.40	-47.50	45.80	13.70	56.60	68.20	11.60
38 553.50	1 000	V	43.50	18.60	-49.50	44.30	13.40	56.90	68.20	11.30
Average DATA. Emissions above 1 ㎓										
1 952.19	1 000	V	41.20	4.51	-47.36	30.55	-12.30	28.90	54.00	25.10
2 420.38	1 000	V	40.10	6.06	-47.13	31.27	-9.80	30.30	54.00	23.70
5 147.69	1 000	H	47.90	7.24	-46.30	34.96	-4.10	43.80	54.00	10.20
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT20_Middle Channel (5 200 ㎒)

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 ㎓										
1 733.56	1 000	H	75.80	2.53	-47.65	30.12	-15.00	60.80	74.00	13.20
2 434.13	1 000	V	68.10	6.14	-47.13	31.29	-9.70	58.40	74.00	15.60
3 994.75	1 000	H	49.90	6.42	-46.30	33.28	-6.60	43.30	74.00	30.70
6 932.69	1 000	H	52.70	8.78	-46.04	35.86	-1.40	51.30	68.20	16.90
15 156.62	1 000	V	45.40	12.90	-46.53	39.83	6.20	51.60	68.20	16.60
27 251.00	1 000	H	43.10	15.10	-47.70	45.40	12.80	55.90	68.20	12.30
38 754.25	1 000	V	43.60	18.50	-49.70	44.30	13.10	56.70	68.20	11.50
Average DATA. Emissions above 1 ㎓										
1 733.56	1 000	H	41.00	2.53	-47.65	30.12	-15.00	26.00	54.00	28.00
2 434.13	1 000	V	40.50	6.14	-47.13	31.29	-9.70	30.80	54.00	23.20
3 994.75	1 000	H	38.10	6.42	-46.30	33.28	-6.60	31.50	54.00	22.50
Above 4 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT20_Highest Channel (5 240 ㎒)

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 ㎓										
1 031.63	1 000	H	78.30	3.00	-48.56	28.76	-16.80	61.50	74.00	12.50
1 730.81	1 000	H	75.10	2.53	-47.65	30.12	-15.00	60.10	74.00	13.90
2 447.19	1 000	H	72.90	6.09	-47.10	31.31	-9.70	63.20	74.00	10.80
5 397.25	1 000	H	55.70	7.32	-46.38	34.96	-4.10	51.60	74.00	22.40
6 985.88	1 000	H	50.70	8.76	-46.07	35.91	-1.40	49.30	68.20	18.90
14 036.81	1 000	H	45.10	12.09	-43.49	39.30	7.90	53.00	68.20	15.20
28 326.25	1 000	H	42.30	15.30	-47.40	45.80	13.70	56.00	68.20	12.20
38 856.00	1 000	V	42.50	18.40	-49.60	44.30	13.10	55.60	68.20	12.60
Average DATA. Emissions above 1 ㎓										
1 031.63	1 000	H	45.20	3.00	-48.56	28.76	-16.80	28.40	54.00	25.60
1 730.81	1 000	H	40.10	2.53	-47.65	30.12	-15.00	25.10	54.00	28.90
2 447.19	1 000	H	39.70	6.09	-47.10	31.31	-9.70	30.00	54.00	24.00
5 397.25	1 000	H	46.00	7.32	-46.38	34.96	-4.10	41.90	54.00	12.10
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Lowest Channel (5 180 ㎒)

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 ㎓										
2 473.31	1 000	H	65.70	6.06	-47.11	31.35	-9.70	56.00	74.00	18.00
5 148.38	1 000	H	57.90	7.27	-46.33	34.96	-4.10	53.80	74.00	20.20
6 905.38	1 000	H	52.40	8.79	-46.02	35.83	-1.40	51.00	68.20	17.20
17 302.81	1 000	V	41.30	13.46	-43.77	40.91	10.60	51.90	68.20	16.30
28 293.25	1 000	H	42.00	15.30	-47.40	45.80	13.70	55.70	68.20	12.50
38 823.00	1 000	V	43.50	18.50	-49.70	44.30	13.10	56.60	68.20	11.60
Average DATA. Emissions above 1 ㎓										
2 473.31	1 000	H	40.10	6.06	-47.11	31.35	-9.70	30.40	54.00	23.60
5 148.38	1 000	H	48.70	7.27	-46.33	34.96	-4.10	44.60	54.00	9.40
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Middle Channel (5 200 ㎒)

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 ㎓										
2 413.50	1 000	H	64.60	6.07	-47.13	31.26	-9.80	54.80	74.00	19.20
3 756.88	1 000	H	49.20	6.24	-46.45	33.01	-7.20	42.00	74.00	32.00
6 932.69	1 000	H	51.20	8.78	-46.04	35.86	-1.40	49.80	68.20	18.40
17 499.75	1 000	V	42.40	13.51	-43.62	40.91	10.80	53.20	68.20	15.00
27 688.25	1 000	H	42.10	15.10	-47.50	45.60	13.20	55.30	68.20	12.90
38 990.75	1 000	V	44.30	18.40	-49.70	44.30	13.00	57.30	68.20	10.90
Average DATA. Emissions above 1 ㎓										
2 413.50	1 000	H	39.60	6.07	-47.13	31.26	-9.80	29.80	54.00	24.20
3 756.88	1 000	H	37.90	6.24	-46.45	33.01	-7.20	30.70	54.00	23.30
Above 4 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Highest Channel (5 240 ㎒)

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 ㎓										
1 035.75	1 000	H	77.50	2.98	-48.55	28.77	-16.80	60.70	74.00	13.30
2 463.69	1 000	H	64.10	6.07	-47.11	31.34	-9.70	54.40	74.00	19.60
5 404.81	1 000	H	54.80	7.34	-46.40	34.96	-4.10	50.70	74.00	23.30
6 985.88	1 000	H	48.80	8.76	-46.07	35.91	-1.40	47.40	68.20	20.80
17 345.94	1 000	V	41.20	13.47	-43.78	40.91	10.60	51.80	68.20	16.40
28 227.25	1 000	H	43.80	15.30	-47.40	45.80	13.70	57.50	68.20	10.70
38 385.75	1 000	V	44.60	18.70	-49.40	44.30	13.60	58.20	68.20	10.00
Average DATA. Emissions above 1 ㎓										
1 035.75	1 000	H	43.60	2.98	-48.55	28.77	-16.80	26.80	54.00	27.20
2 463.69	1 000	H	39.10	6.07	-47.11	31.34	-9.70	29.40	54.00	24.60
5 404.81	1 000	H	44.50	7.34	-46.40	34.96	-4.10	40.40	54.00	13.60
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT40_Lowest Channel (5 190 ㎒)

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 ㎓										
5 148.38	1 000	H	58.60	7.27	-46.33	34.96	-4.10	54.50	74.00	19.50
5 375.94	1 000	H	53.70	7.32	-46.38	34.96	-4.10	49.60	74.00	24.40
6 919.75	1 000	H	51.20	8.79	-46.03	35.84	-1.40	49.80	68.20	18.40
17 317.19	1 000	H	41.80	13.46	-43.77	40.91	10.60	52.40	68.20	15.80
28 428.00	1 000	H	42.20	15.40	-47.50	45.80	13.70	55.90	68.20	12.30
38 721.25	1 000	H	43.90	18.50	-49.60	44.30	13.20	57.10	68.20	11.10
Average DATA. Emissions above 1 ㎓										
5 148.38	1 000	H	48.40	7.27	-46.33	34.96	-4.10	44.30	54.00	9.70
5 375.94	1 000	H	44.30	7.32	-46.38	34.96	-4.10	40.20	54.00	13.80
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT40_Highest Channel (5 230 ㎒)

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 ㎓										
1 030.25	1 000	H	68.60	3.00	-48.56	28.76	-16.80	51.80	74.00	22.20
5 128.44	1 000	H	53.70	7.37	-46.33	34.96	-4.00	49.70	74.00	24.30
5 396.56	1 000	H	52.50	7.34	-46.40	34.96	-4.10	48.40	74.00	25.60
6 972.94	1 000	H	49.20	8.76	-46.05	35.89	-1.40	47.80	68.20	20.40
17 051.25	1 000	V	41.60	13.39	-44.01	40.92	10.30	51.90	68.20	16.30
27 655.25	1 000	H	42.10	15.10	-47.50	45.60	13.20	55.30	68.20	12.90
37 915.50	1 000	V	43.40	18.70	-49.40	44.50	13.80	57.20	68.20	11.00
Average DATA. Emissions above 1 ㎓										
1 030.25	1 000	H	57.10	3.00	-48.56	28.76	-16.80	40.30	54.00	13.70
5 128.44	1 000	H	44.80	7.37	-46.33	34.96	-4.00	40.80	54.00	13.20
5 396.56	1 000	H	43.70	7.34	-46.40	34.96	-4.10	39.60	54.00	14.40
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT40_Lowest Channel (5 190 ㎒)

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 ㎓										
5 148.38	1 000	H	58.10	7.27	-46.33	34.96	-4.10	54.00	74.00	20.00
5 353.25	1 000	H	52.60	7.31	-46.37	34.96	-4.10	48.50	74.00	25.50
6 919.75	1 000	H	52.40	8.79	-46.03	35.84	-1.40	51.00	68.20	17.20
17 038.31	1 000	V	41.60	13.39	-44.01	40.92	10.30	51.90	68.20	16.30
26 915.50	1 000	H	43.20	15.00	-47.60	45.40	12.80	56.00	68.20	12.20
39 260.25	1 000	H	43.20	18.60	-50.00	44.70	13.30	56.50	68.20	11.70
Average DATA. Emissions above 1 ㎓										
5 148.38	1 000	H	49.10	7.27	-46.33	34.96	-4.10	45.00	54.00	9.00
5 353.25	1 000	H	43.50	7.31	-46.37	34.96	-4.10	39.40	54.00	14.60
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT40_Highest Channel (5 230 ㎒)

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 ㎓										
1 026.81	1 000	H	69.20	3.02	-48.57	28.75	-16.80	52.40	74.00	21.60
5 142.88	1 000	H	53.60	7.27	-46.33	34.96	-4.10	49.50	74.00	24.50
5 362.19	1 000	H	52.90	7.34	-46.40	34.96	-4.10	48.80	74.00	25.20
6 972.94	1 000	H	49.40	8.76	-46.05	35.89	-1.40	48.00	68.20	20.20
17 412.06	1 000	V	41.40	13.49	-43.70	40.91	10.70	52.10	68.20	16.10
26 981.50	1 000	H	42.10	15.00	-47.70	45.40	12.70	54.80	68.20	13.40
38 754.25	1 000	V	44.50	18.50	-49.70	44.30	13.10	57.60	68.20	10.60
Average DATA. Emissions above 1 ㎓										
1 026.81	1 000	H	58.90	3.02	-48.57	28.75	-16.80	42.10	54.00	11.90
5 142.88	1 000	H	43.50	7.27	-46.33	34.96	-4.10	39.40	54.00	14.60
5 362.19	1 000	H	43.20	7.34	-46.40	34.96	-4.10	39.10	54.00	14.90
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT80_Lowest Channel (5 210 ㎒)

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 ㎓										
1 013.06	1 000	H	59.50	2.95	-48.58	28.73	-16.90	42.60	74.00	31.40
5 149.06	1 000	H	60.40	7.27	-46.33	34.96	-4.10	56.30	74.00	17.70
5 358.75	1 000	H	53.40	7.34	-46.40	34.96	-4.10	49.30	74.00	24.70
6 945.63	1 000	H	50.70	8.78	-46.05	35.87	-1.40	49.30	68.20	18.90
17 529.94	1 000	V	41.90	13.52	-43.63	40.91	10.80	52.70	68.20	15.50
27 520.50	1 000	H	43.00	15.10	-47.60	45.60	13.10	56.10	68.20	12.10
37 915.50	1 000	V	43.70	18.70	-49.40	44.50	13.80	57.50	68.20	10.70
Average DATA. Emissions above 1 ㎓										
1 013.06	1 000	H	48.70	2.95	-48.58	28.73	-16.90	31.80	54.00	22.20
5 149.06	1 000	H	51.40	7.27	-46.33	34.96	-4.10	47.30	54.00	6.70
5 358.75	1 000	H	43.70	7.34	-46.40	34.96	-4.10	39.60	54.00	14.40
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

- MIMO (ANT 1+2)

802.11n HT20_Lowest Channel (5 180 ㎒)

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 ㎓										
1 349.25	1 000	H	54.20	2.07	-48.15	29.38	-16.70	37.50	74.00	36.50
5 141.50	1 000	H	56.50	7.27	-46.33	34.96	-4.10	52.40	74.00	21.60
6 906.81	1 000	H	59.20	8.79	-46.02	35.83	-1.40	57.80	68.20	10.40
14 607.50	1 000	V	44.80	12.53	-45.45	39.52	6.60	51.40	68.20	16.80
27 957.75	1 000	H	41.20	15.20	-47.40	45.70	13.50	54.70	68.20	13.50
38 553.50	1 000	V	43.60	18.60	-49.50	44.30	13.40	57.00	68.20	11.20
Average DATA. Emissions above 1 ㎓										
1 349.25	1 000	H	43.00	2.07	-48.15	29.38	-16.70	26.30	54.00	27.70
5 141.50	1 000	H	46.80	7.27	-46.33	34.96	-4.10	42.70	54.00	11.30
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT20_Middle Channel (5 200 ㎒)

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 ㎓										
2 471.25	1 000	V	67.90	6.06	-47.11	31.35	-9.70	58.20	74.00	15.80
3 853.81	1 000	H	49.40	6.27	-46.39	33.12	-7.00	42.40	74.00	31.60
6 932.69	1 000	H	58.90	8.78	-46.04	35.86	-1.40	57.50	68.20	10.70
14 991.31	1 000	V	45.50	12.83	-46.30	39.67	6.20	51.70	68.20	16.50
28 628.75	1 000	H	42.80	15.50	-47.60	45.90	13.80	56.60	68.20	11.60
38 553.50	1 000	V	43.70	18.60	-49.50	44.30	13.40	57.10	68.20	11.10
Average DATA. Emissions above 1 ㎓										
2 471.25	1 000	V	42.90	6.06	-47.11	31.35	-9.70	33.20	54.00	20.80
3 853.81	1 000	H	38.40	6.27	-46.39	33.12	-7.00	31.40	54.00	22.60
Above 4 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT20_Highest Channel (5 240 ㎒)

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 ㎓										
1 037.13	1 000	H	79.20	2.98	-48.55	28.77	-16.80	62.40	74.00	11.60
5 402.06	1 000	H	56.80	7.32	-46.38	34.96	-4.10	52.70	74.00	21.30
6 905.38	1 000	H	59.00	8.79	-46.02	35.83	-1.40	57.60	68.20	10.60
13 172.87	1 000	V	44.20	11.99	-46.93	38.74	3.80	48.00	68.20	20.20
27 688.25	1 000	H	42.90	15.10	-47.50	45.60	13.20	56.10	68.20	12.10
38 553.50	1 000	V	43.90	18.60	-49.50	44.30	13.40	57.30	68.20	10.90
Average DATA. Emissions above 1 ㎓										
1 037.13	1 000	H	44.80	2.98	-48.55	28.77	-16.80	28.00	54.00	26.00
5 402.06	1 000	H	47.10	7.32	-46.38	34.96	-4.10	43.00	54.00	11.00
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Lowest Channel (5 180 ㎒)

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 ㎓										
1 198.00	1 000	H	55.60	2.66	-48.34	29.08	-16.60	39.00	74.00	35.00
3 755.50	1 000	H	50.40	6.24	-46.45	33.01	-7.20	43.20	74.00	30.80
5 144.25	1 000	H	56.30	7.24	-46.30	34.96	-4.10	52.20	74.00	21.80
6 906.81	1 000	H	58.00	8.79	-46.02	35.83	-1.40	56.60	68.20	11.60
17 506.94	1 000	H	39.30	13.51	-43.62	40.91	10.80	50.10	68.20	18.10
27 553.50	1 000	H	42.10	15.10	-47.60	45.60	13.10	55.20	68.20	13.00
38 856.00	1 000	V	43.20	18.40	-49.60	44.30	13.10	56.30	68.20	11.90
Average DATA. Emissions above 1 ㎓										
1 198.00	1 000	H	43.30	2.66	-48.34	29.08	-16.60	26.70	54.00	27.30
3 755.50	1 000	H	38.50	6.24	-46.45	33.01	-7.20	31.30	54.00	22.70
5 144.25	1 000	H	46.60	7.24	-46.30	34.96	-4.10	42.50	54.00	11.50
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Middle Channel (5 200 ㎒)

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 ㎓										
2 413.50	1 000	V	64.00	6.07	-47.13	31.26	-9.80	54.20	74.00	19.80
3 910.19	1 000	H	49.10	6.36	-46.35	33.19	-6.80	42.30	74.00	31.70
6 932.69	1 000	H	56.90	8.78	-46.04	35.86	-1.40	55.50	68.20	12.70
17 351.69	1 000	H	41.70	13.47	-43.78	40.91	10.60	52.30	68.20	15.90
27 553.50	1 000	H	42.20	15.10	-47.60	45.60	13.10	55.30	68.20	12.90
38 688.25	1 000	V	43.40	18.50	-49.60	44.30	13.20	56.60	68.20	11.60
Average DATA. Emissions above 1 ㎓										
2 413.50	1 000	V	40.70	6.07	-47.13	31.26	-9.80	30.90	54.00	23.10
3 910.19	1 000	H	38.50	6.36	-46.35	33.19	-6.80	31.70	54.00	22.30
Above 4 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11ac VHT20_Highest Channel (5 240 ㎒)

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 ㎓										
1 037.13	1 000	H	76.90	2.98	-48.55	28.77	-16.80	60.10	74.00	13.90
2 425.19	1 000	H	61.10	6.15	-47.13	31.28	-9.70	51.40	74.00	22.60
5 367.69	1 000	H	57.00	7.34	-46.40	34.96	-4.10	52.90	74.00	21.10
6 985.88	1 000	H	53.60	8.76	-46.07	35.91	-1.40	52.20	68.20	16.00
17 479.62	1 000	H	41.70	13.50	-43.71	40.91	10.70	52.40	68.20	15.80
27 924.75	1 000	H	42.10	15.20	-47.40	45.70	13.50	55.60	68.20	12.60
38 790.00	1 000	V	44.10	18.50	-49.70	44.30	13.10	57.20	68.20	11.00
Average DATA. Emissions above 1 ㎓										
1 037.13	1 000	H	55.20	2.98	-48.55	28.77	-16.80	38.40	54.00	15.60
2 425.19	1 000	H	40.90	6.15	-47.13	31.28	-9.70	31.20	54.00	22.80
5 367.69	1 000	H	47.20	7.34	-46.40	34.96	-4.10	43.10	54.00	10.90
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-

802.11n HT40_Lowest Channel (5 190 ㎒)

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 ㎓										
5 146.31	1 000	H	54.10	7.27	-46.33	34.96	-4.10	50.00	74.00	24.00
5 376.63	1 000	H	54.80	7.32	-46.38	34.96	-4.10	50.70	74.00	23.30
6 919.75	1 000	H	56.90	8.79	-46.03	35.84	-1.40	55.50	68.20	12.70
17 486.81	1 000	V	41.60	13.51	-43.72	40.91	10.70	52.30	68.20	15.90
26 813.75	1 000	H	42.50	14.90	-47.60	45.50	12.80	55.30	68.20	12.90
38 619.50	1 000	V	43.20	18.60	-49.60	44.30	13.30	56.50	68.20	11.70
Average DATA. Emissions above 1 ㎓										
5 146.31	1 000	H	46.00	7.27	-46.33	34.96	-4.10	41.90	54.00	12.10
5 376.63	1 000	H	45.50	7.32	-46.38	34.96	-4.10	41.40	54.00	12.60
Above 6 000.00	**Not Detected**	-	-	-	-	-	-	-	-	-