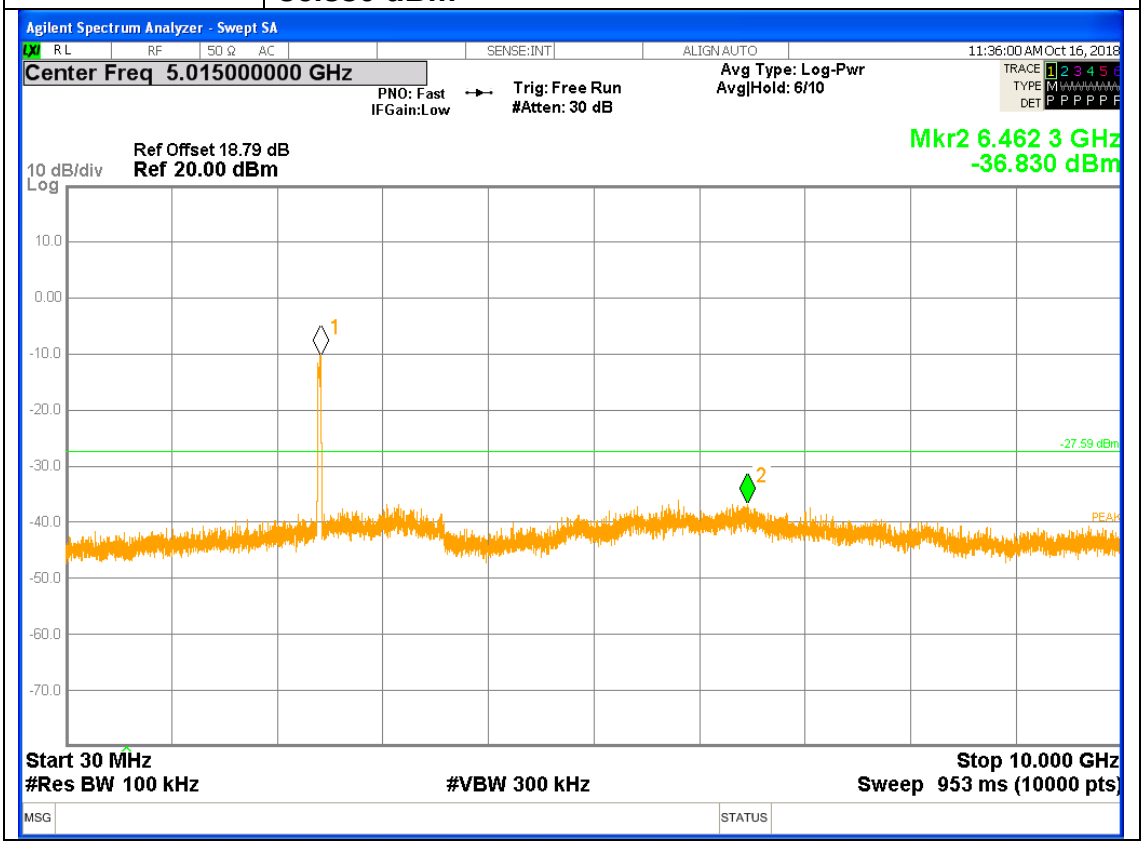
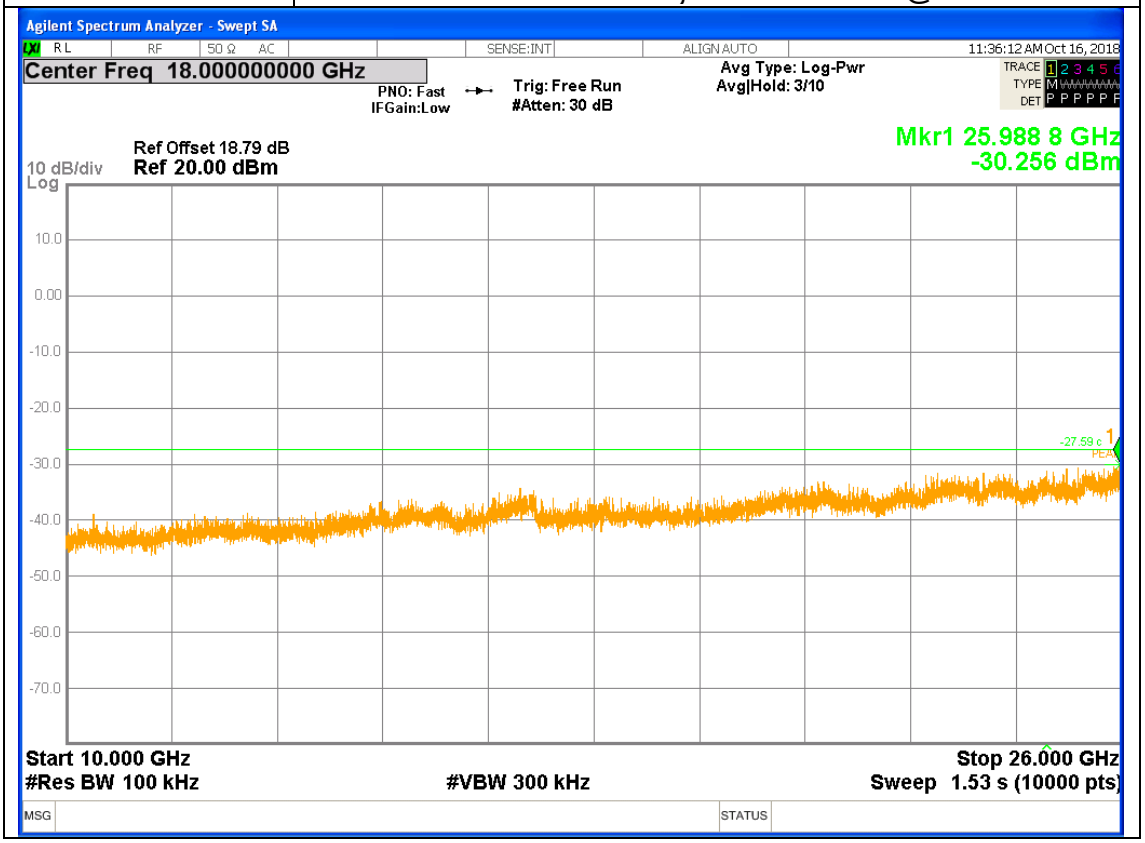
Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: B
Temperature: TN	**Result: PASS Value:Puw:30~10000;6462.290MHz@-36.830 dBm**

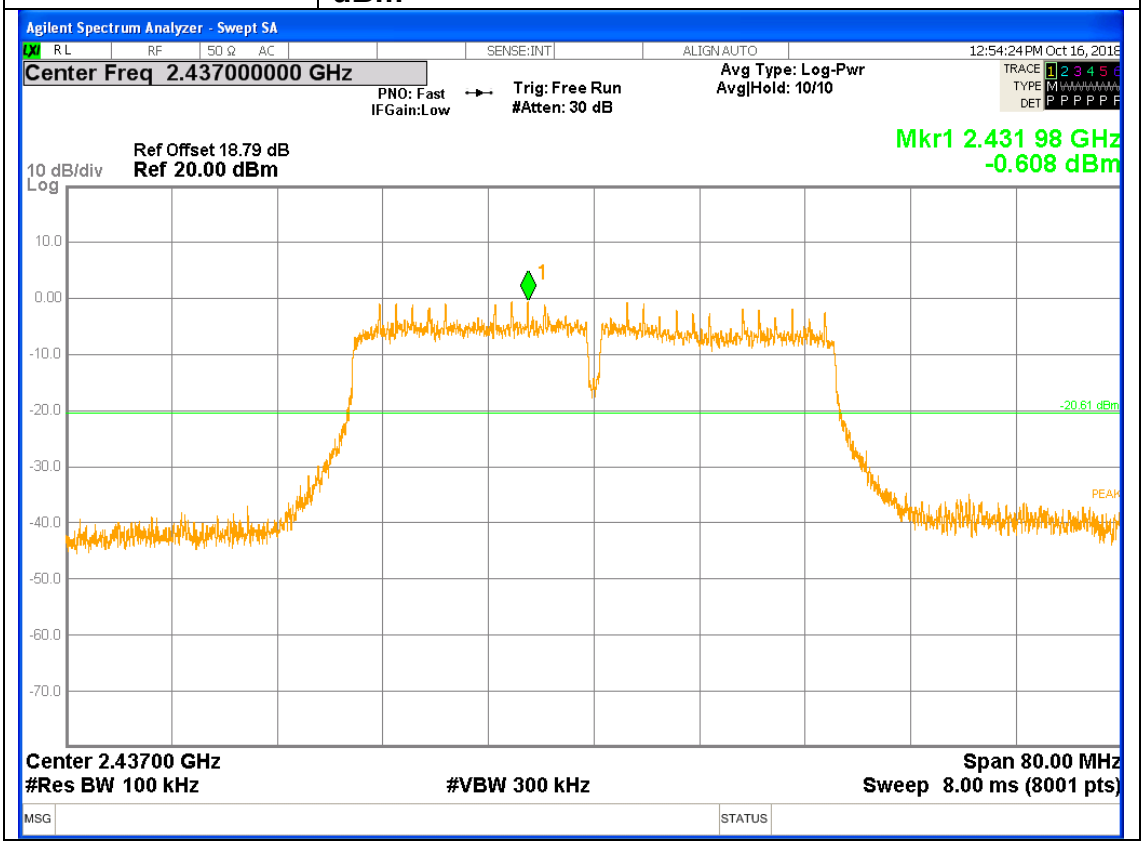


Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: B
Temperature: TN	**Result: PASS** **Value:Puw:10000~26000;25988.799MHz@-30.256 dBm**

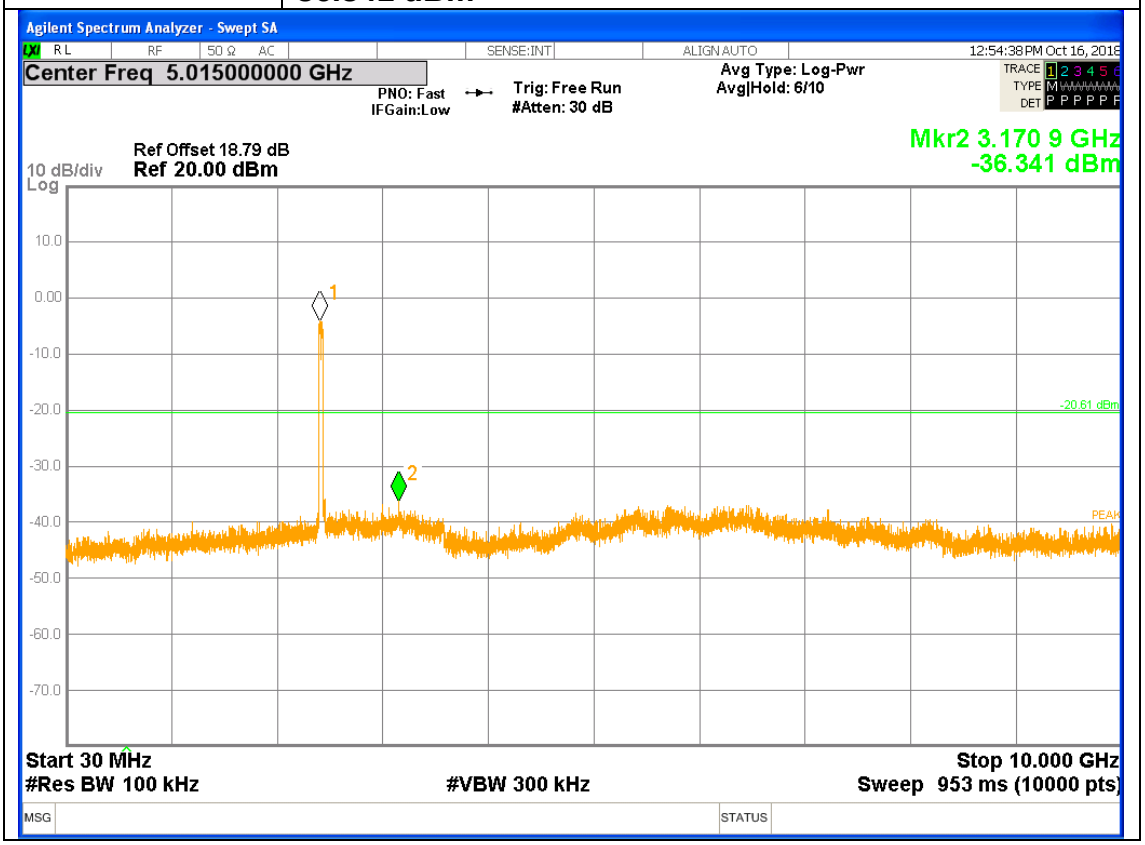


Middle Channel

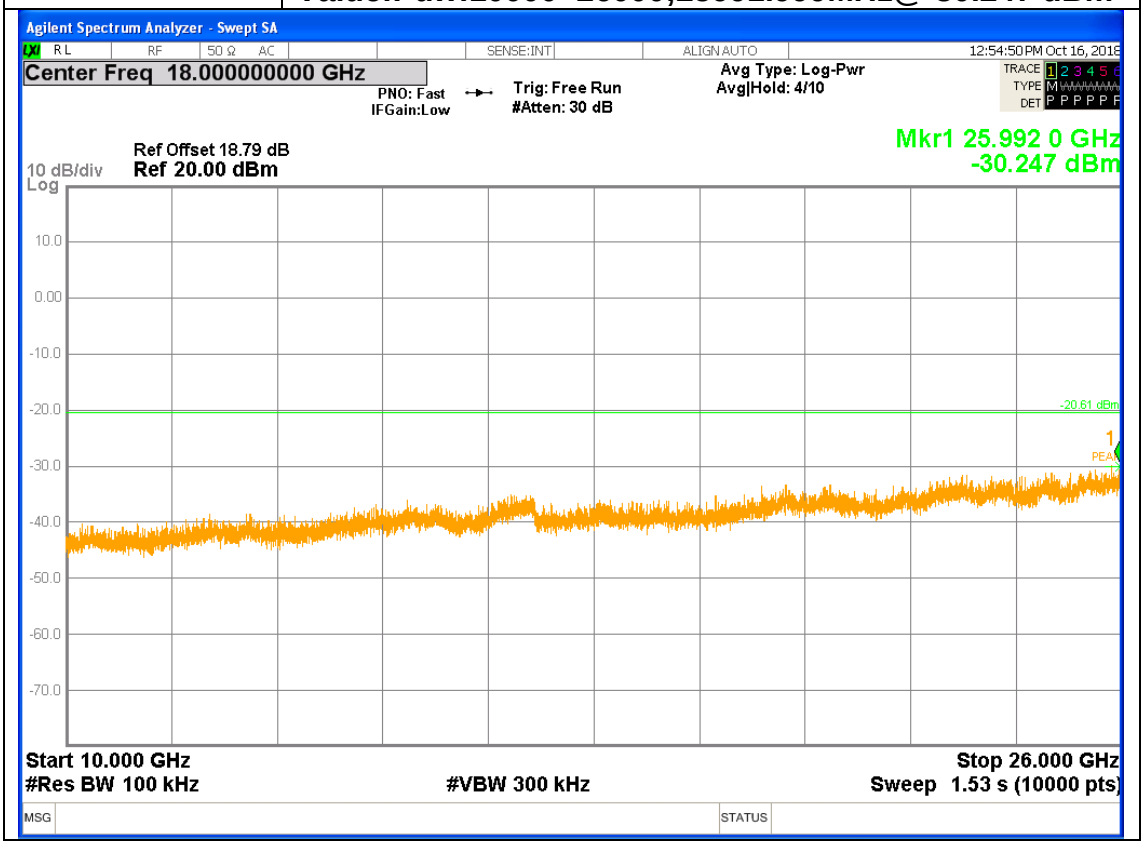
Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: A
Temperature: TN	**Result: PASS Value:Pref:2431.980MHz@-0.608 dBm**



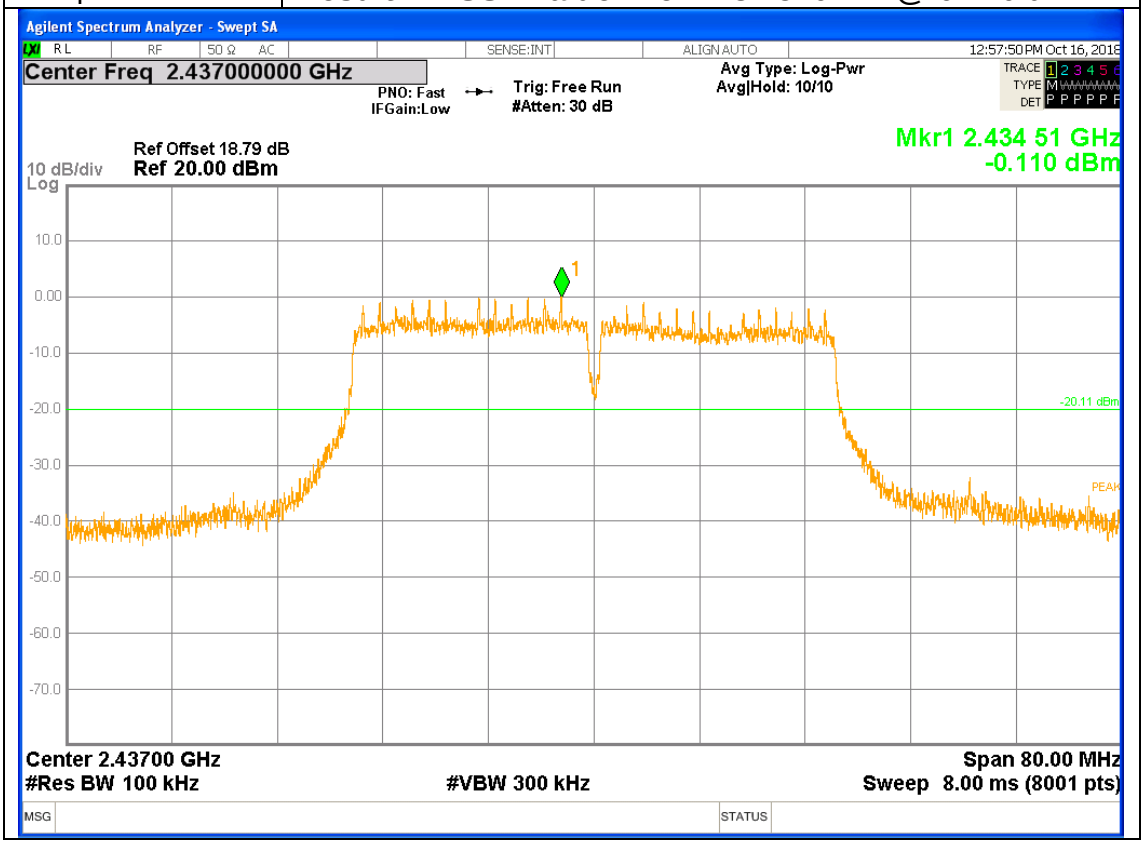
Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: A
Temperature: TN	**Result: PASS Value:Puw:30~10000;3170.864MHz@-36.341 dBm**



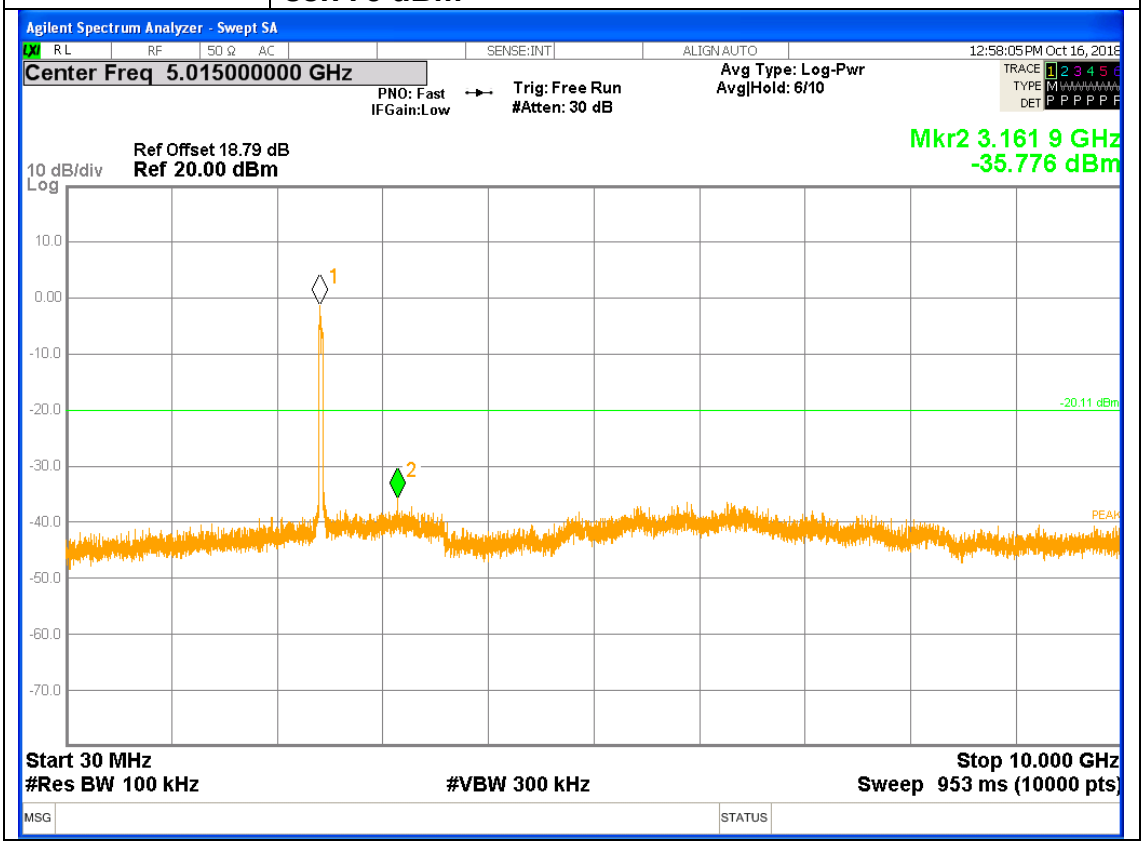
Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: A
Temperature: TN	**Result: PASS** **Value:Puw:10000~26000;25991.999MHz@-30.247 dBm**



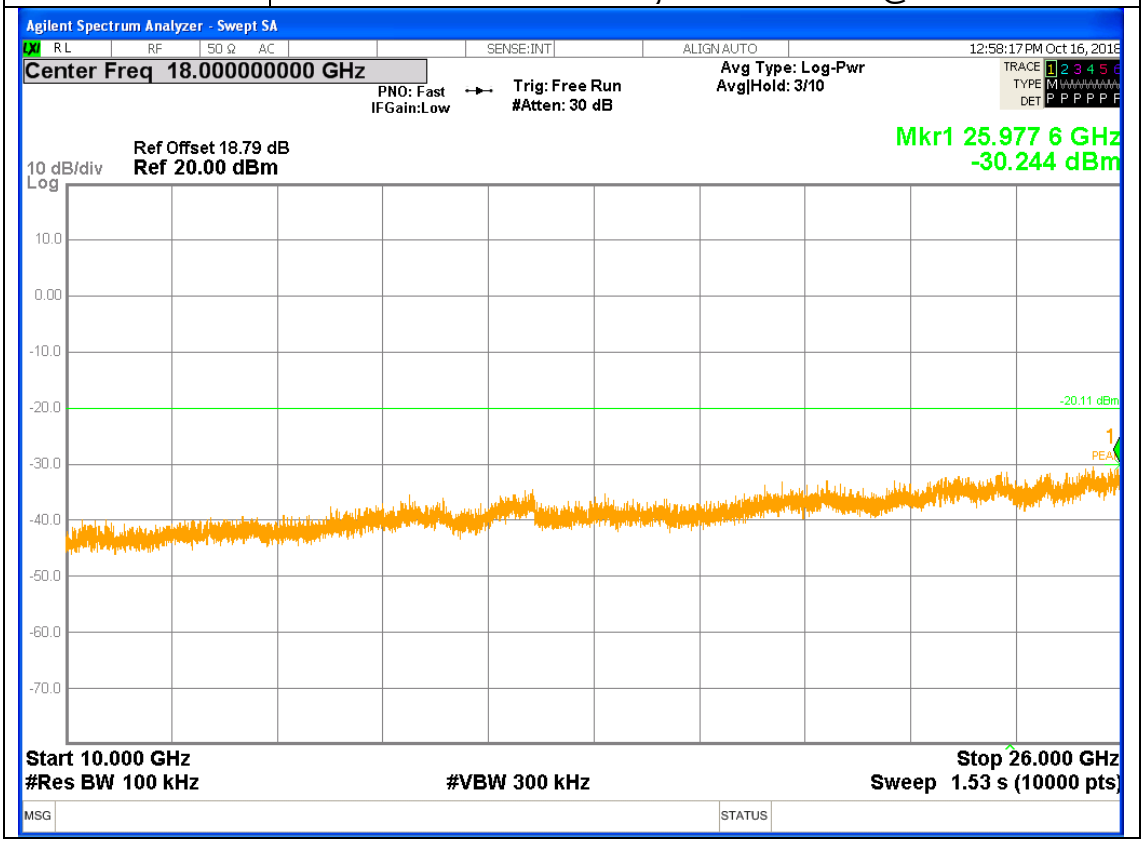
Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: B
Temperature: TN	**Result: PASS Value:Pref:2434.510MHz@-0.110 dBm**



Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: B
Temperature: TN	**Result: PASS Value:Puw:30~10000;3161.890MHz@-35.776 dBm**



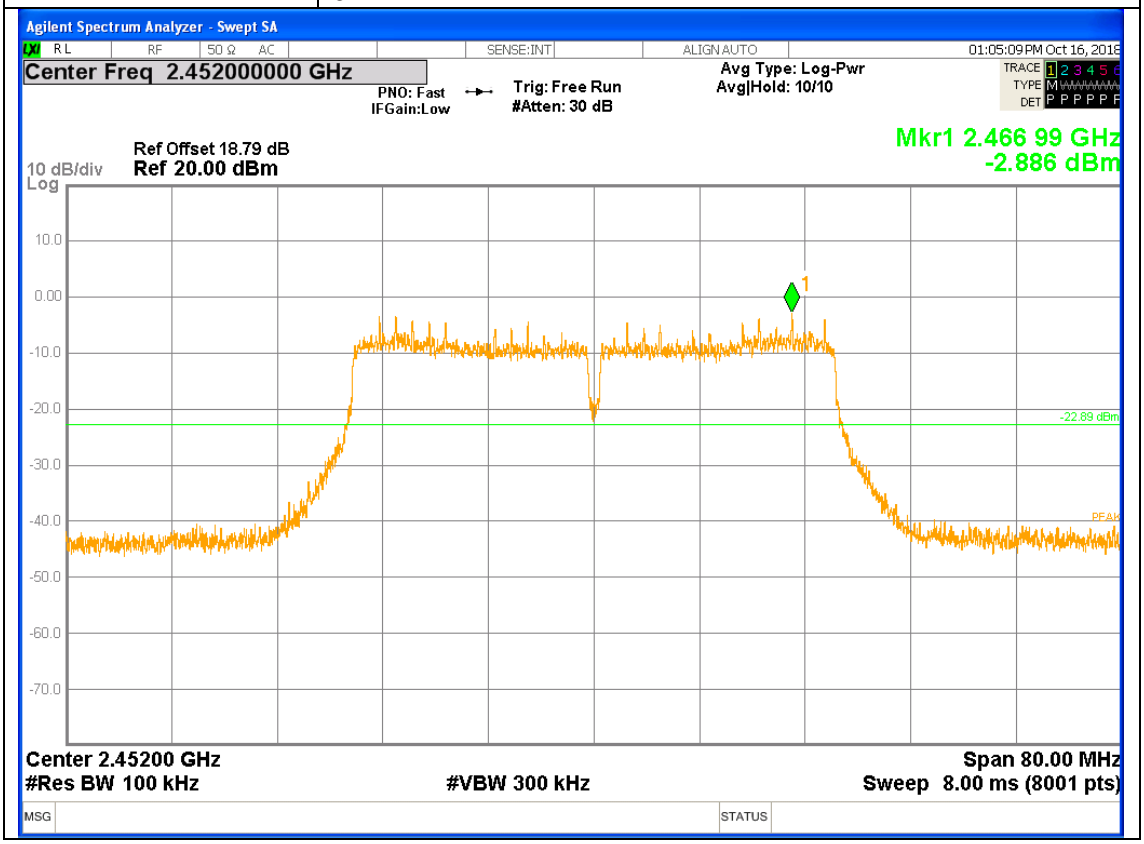
Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: B
Temperature: TN	**Result: PASS** **Value:Puw:10000~26000;25977.598MHz@-30.244 dBm**



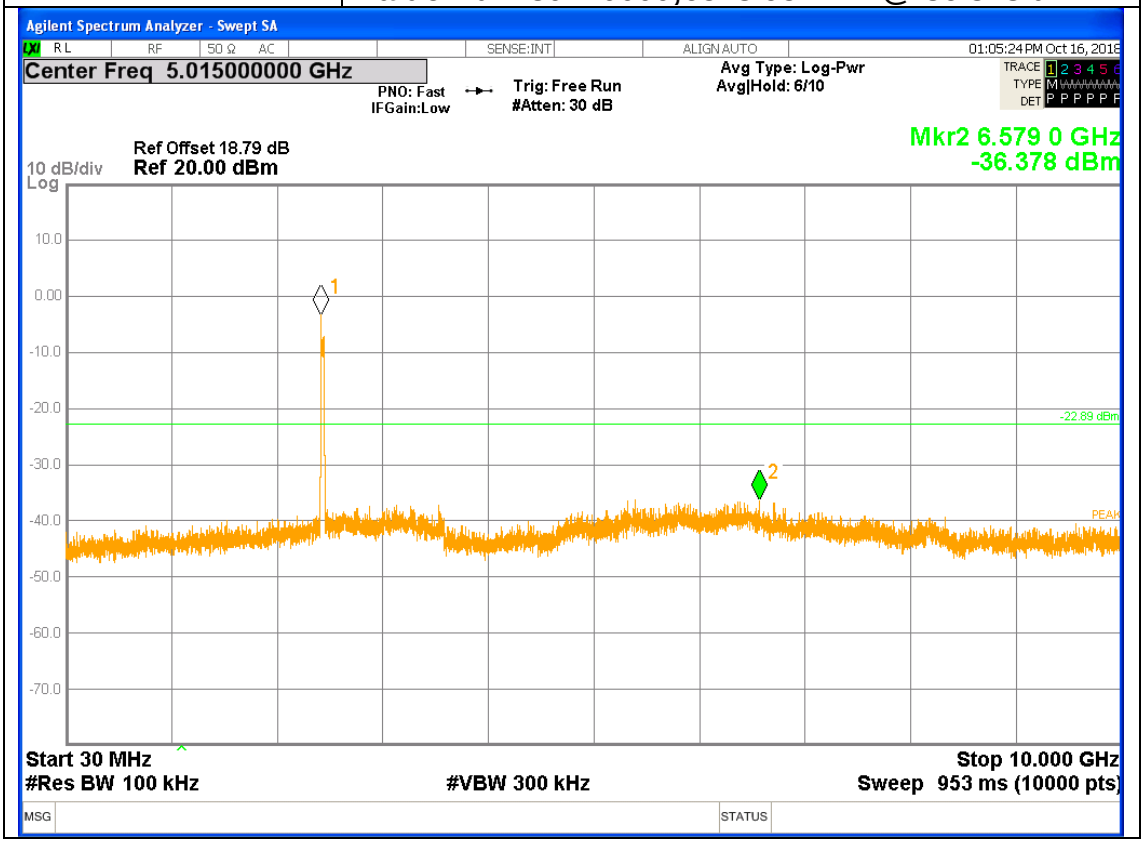
High Channel

Test Case: Bandedge Compliance	
Mode: 11N40 MIMO	Chain: A
Temperature: TN	**Result: PASS Value:Peak:-3.146dBm;Max:2492.313MHz@-40.204dBm37.058dbc**

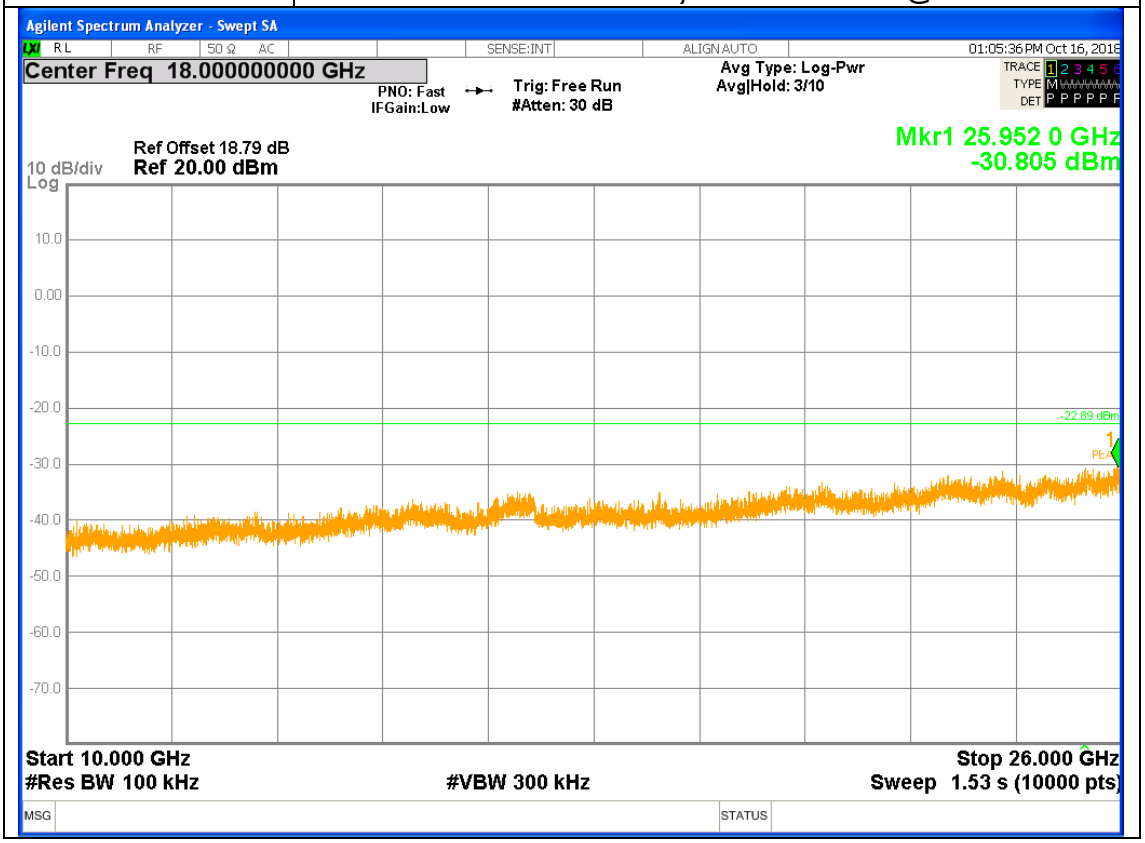
Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: A
Temperature: TN	**Result: PASS Value:Pref:2466.990MHz@-2.886 dBm**



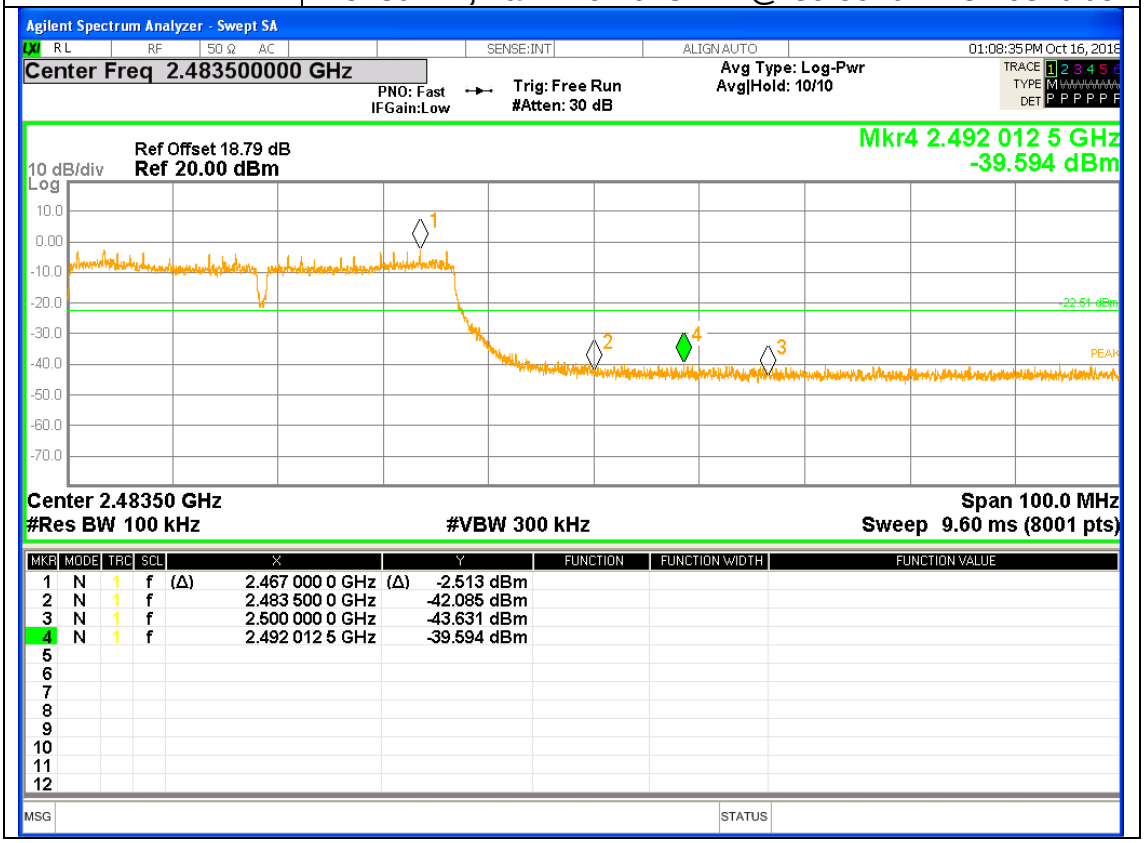
Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: A
Temperature: TN	**Result: PASS** **Value:Puw:30~10000;6578.951MHz@-36.378 dBm**



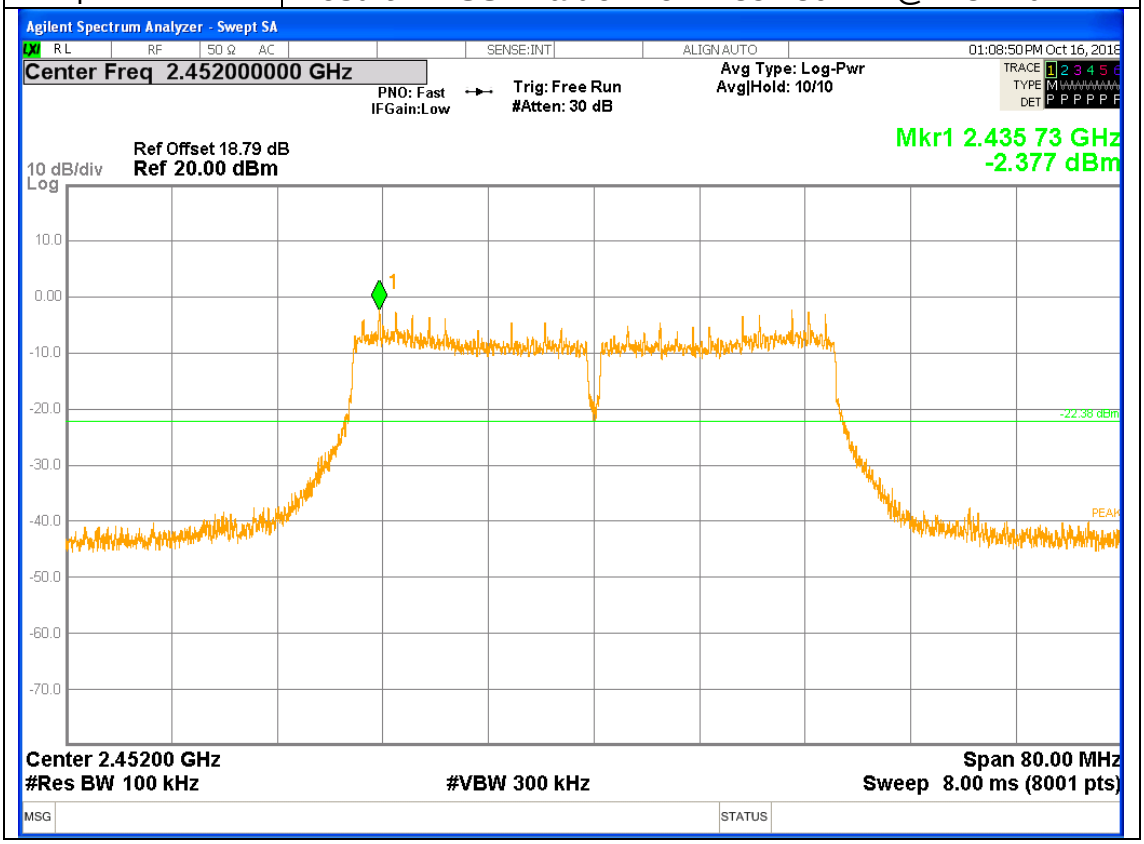
Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: A
Temperature: TN	**Result: PASS** **Value:Puw:10000~26000;25951.995MHz@-30.805 dBm**



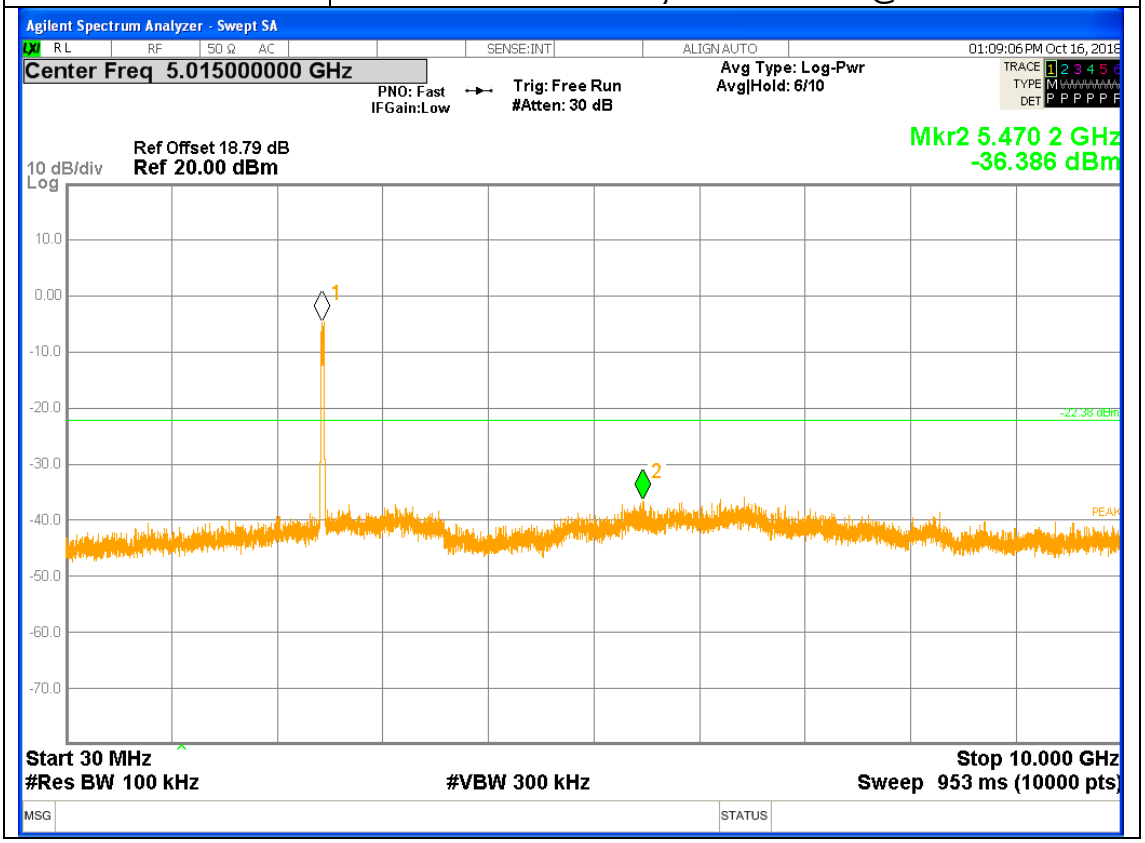
Test Case: Bandedge Compliance	
Mode: 11N40 MIMO	Chain: B
Temperature: TN	**Result: PASS Value:Peak:-2.513dBm;Max:2492.013MHz@-39.594dBm37.081dbc**



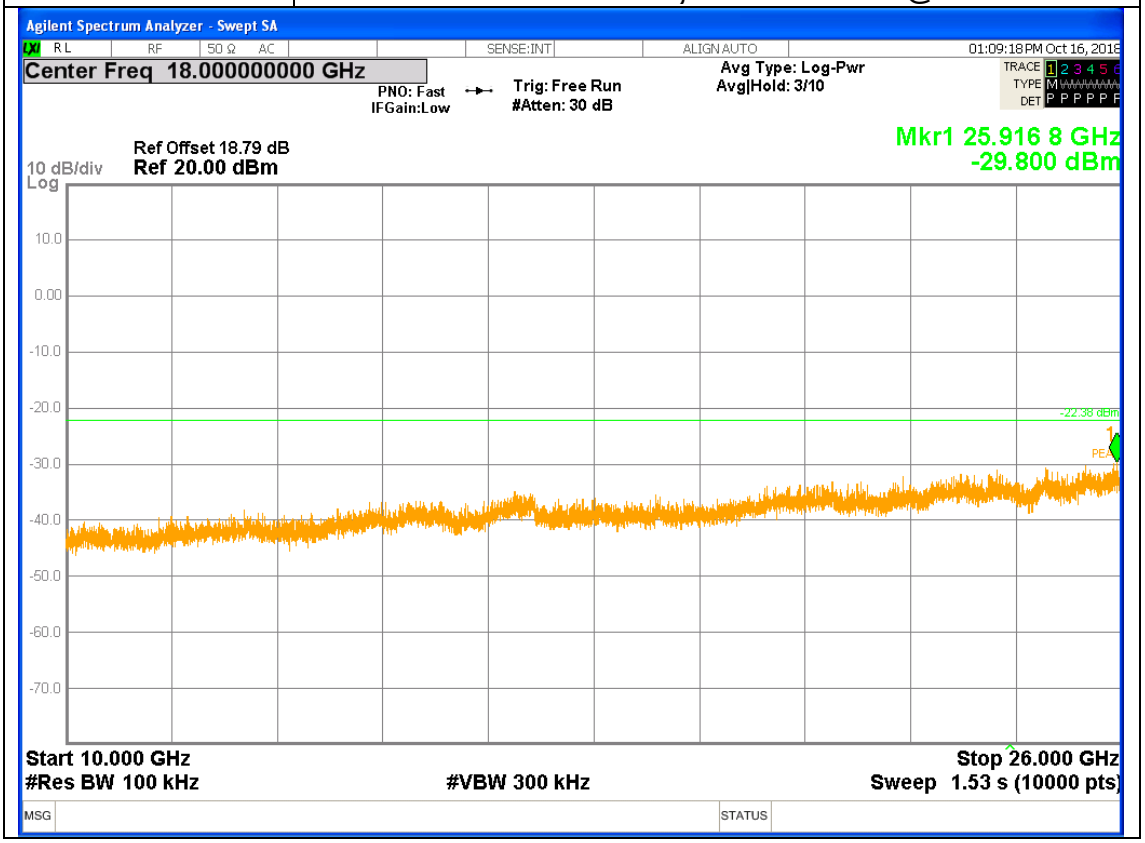
Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: B
Temperature: TN	**Result: PASS Value:Pref:2435.730MHz@-2.377 dBm**



Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: B
Temperature: TN	**Result: PASS** **Value:Puw:30~10000;5470.176MHz@-36.386 dBm**



Test Case: Unwanted Emissions In Non-restricted Frequency Bands	
Mode: 11n HT40 MIMO	Chain: B
Temperature: TN	**Result: PASS** **Value:Puw:10000~26000;25916.792MHz@-29.800 dBm**



9. RADIATED TEST RESULTS

9.1.1. LIMITS

Please refer to FCC §15.205 and §15.209

Please refer to RSS-GEN Clause 8.9 (Transmitter)

Radiation Disturbance Test Limit for FCC (Class B)(9KHz-1GHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Note: 1) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

(2) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.

Radiation Disturbance Test Limit for FCC (Above 1G)

Frequency (MHz)	dB(uV/m) (at 3 meters)	
	Peak	Average
Above 1000	74	54

IC Restricted bands please refer to ISED RSS-GEN Clause 8.10

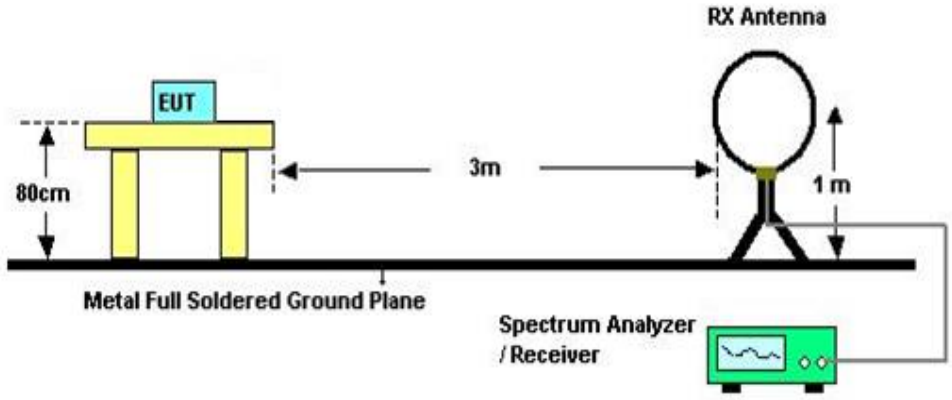
FCC Restricted bands of operation:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

Note: [1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
[2]Above 38.6c

9.1.2. TEST SETUP AND PROCEDURE

Below 30MHz



The setting of the spectrum analyser

RBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
VBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

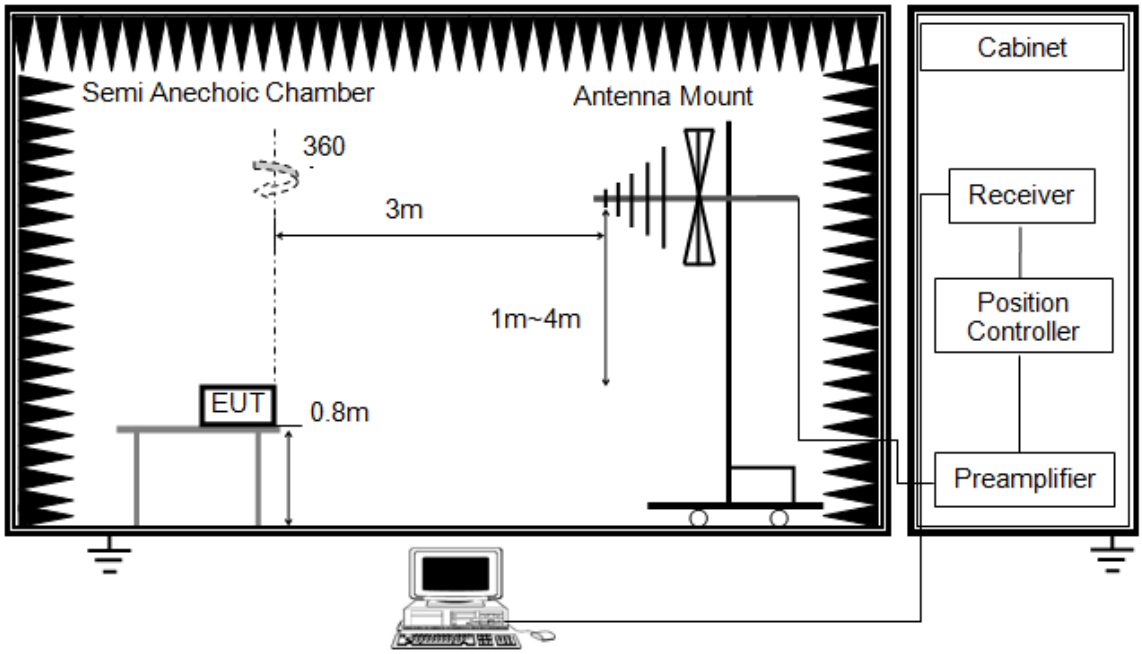
3. The EUT was placed on a turntable with 0.8 meter above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

6. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

Below 1G



The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

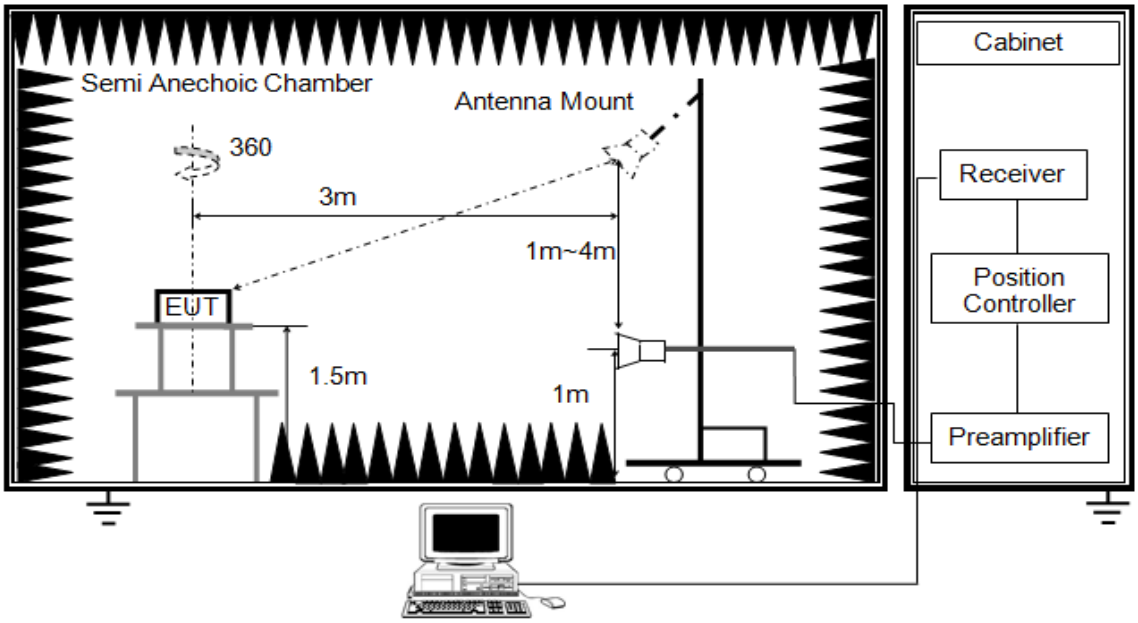
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 0.8 meter above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

ABOVE 1G



The setting of the spectrum analyser

RBW	1M
VBW	PEAK: 3M AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

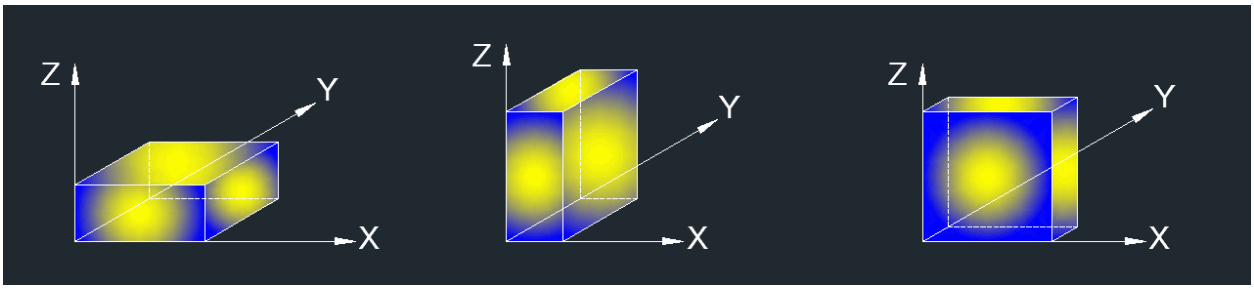
3. The EUT was placed on a turntable with 1.5m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 8.1.ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

9.1.3. RESULTS

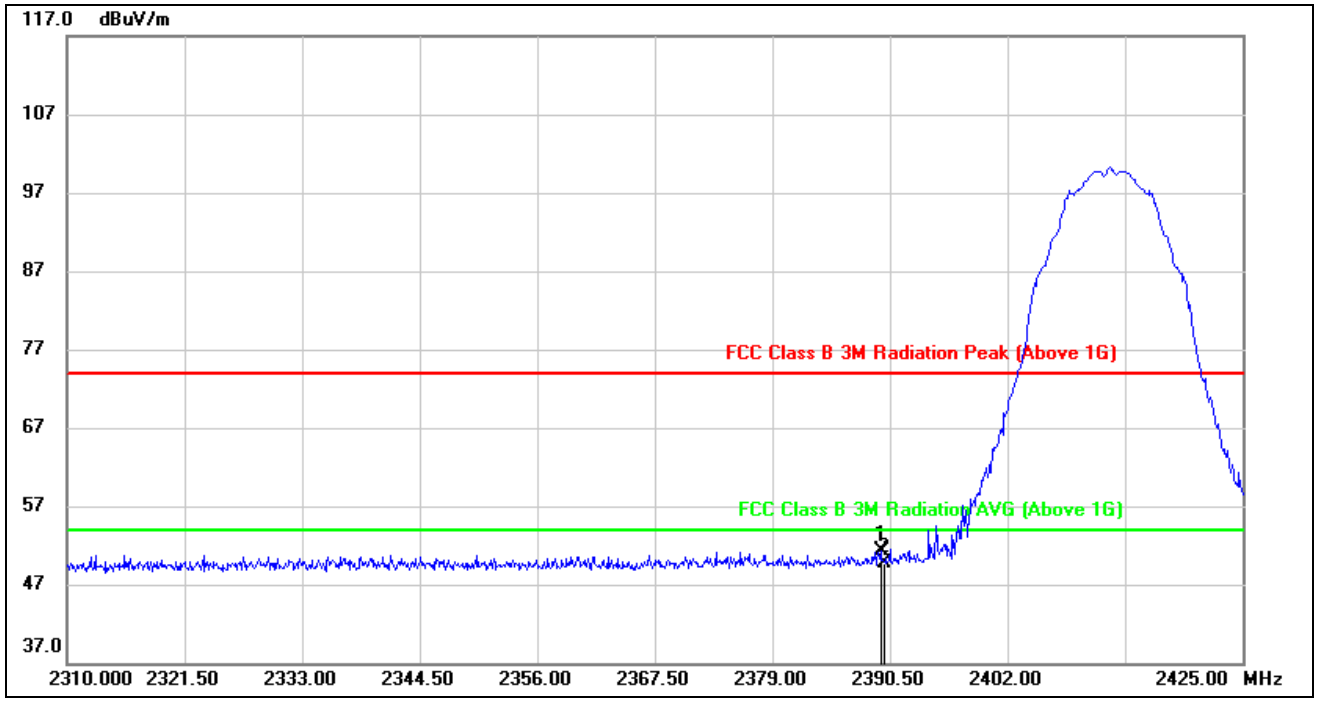
9.2. RESTRICTED BANDEDGE

9.2.1. 802.11b MODE

SISO MODE ANTENNA B (WORST-CASE CONFIGURATION)

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

PRAK

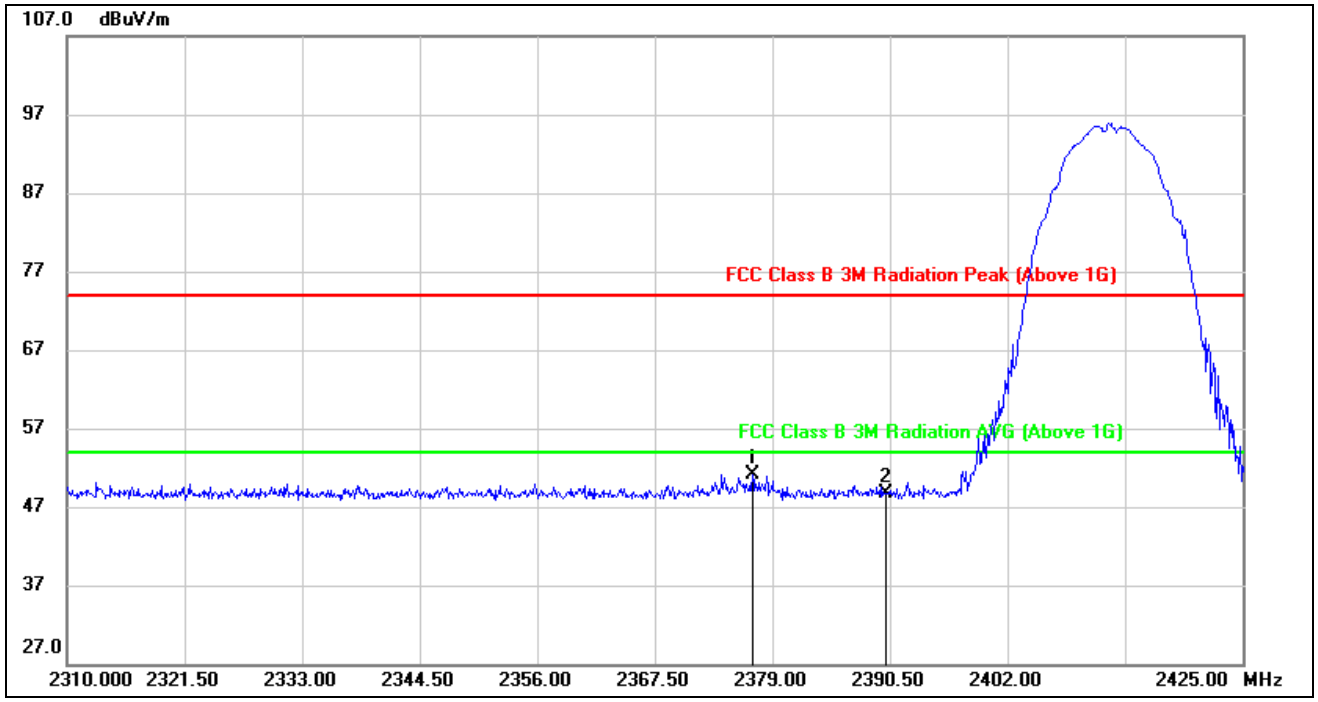


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.580	18.24	33.14	51.38	74.00	-22.62	peak
2	2390.000	16.51	33.14	49.65	74.00	-24.35	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

PEAK

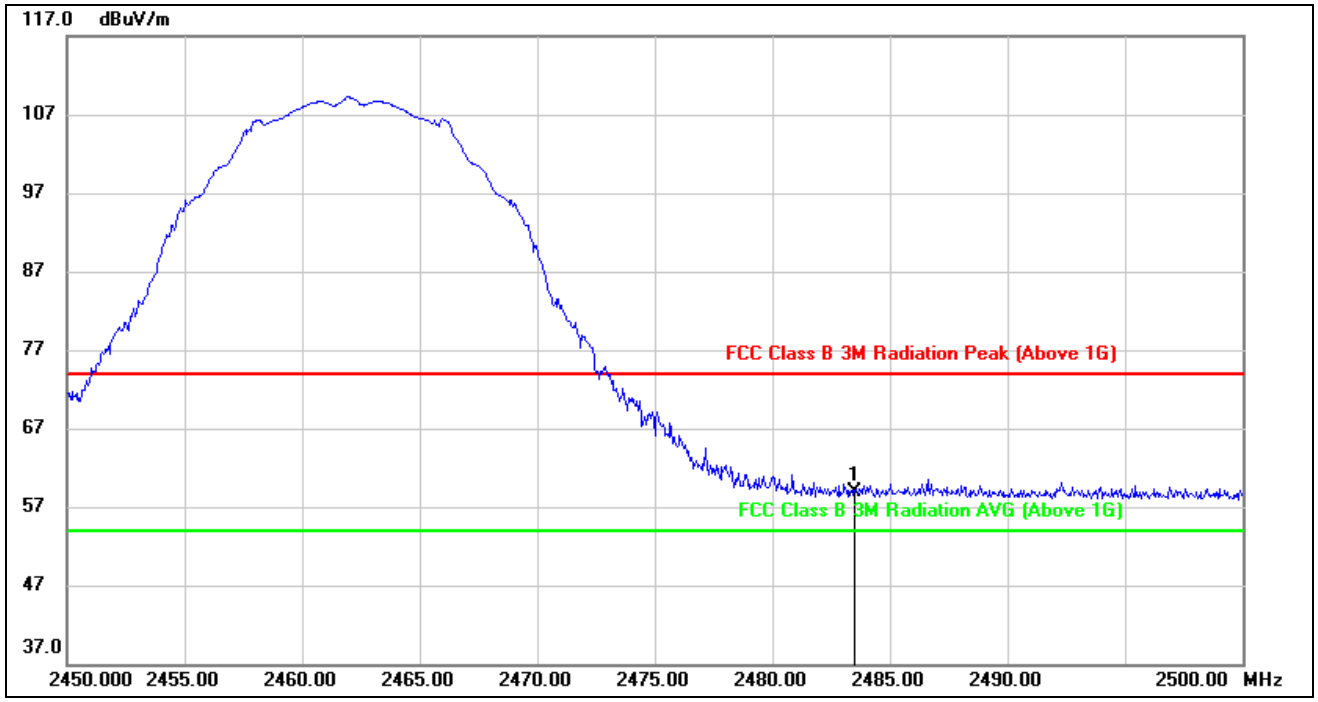


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2377.045	17.81	33.33	51.14	74.00	-22.86	peak
2	2390.000	15.52	33.24	48.76	74.00	-25.24	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)

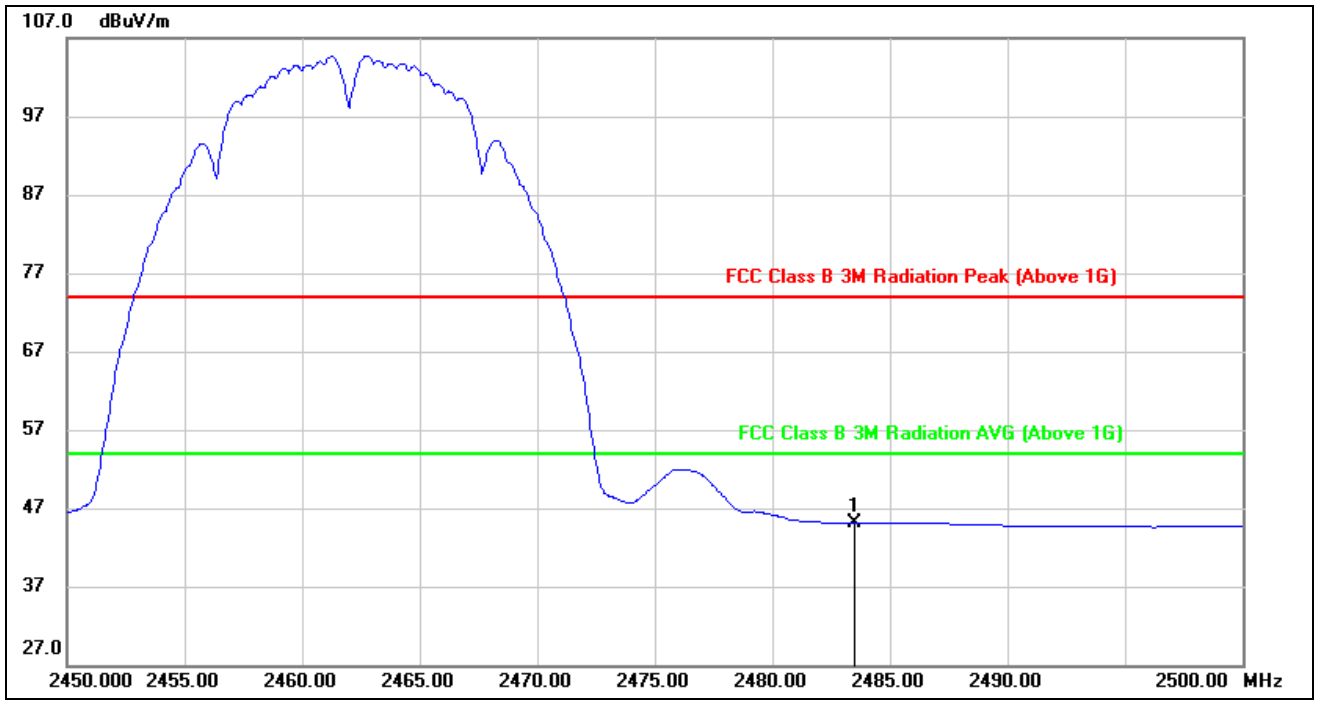
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	26.20	32.78	58.98	74.00	-15.02	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG



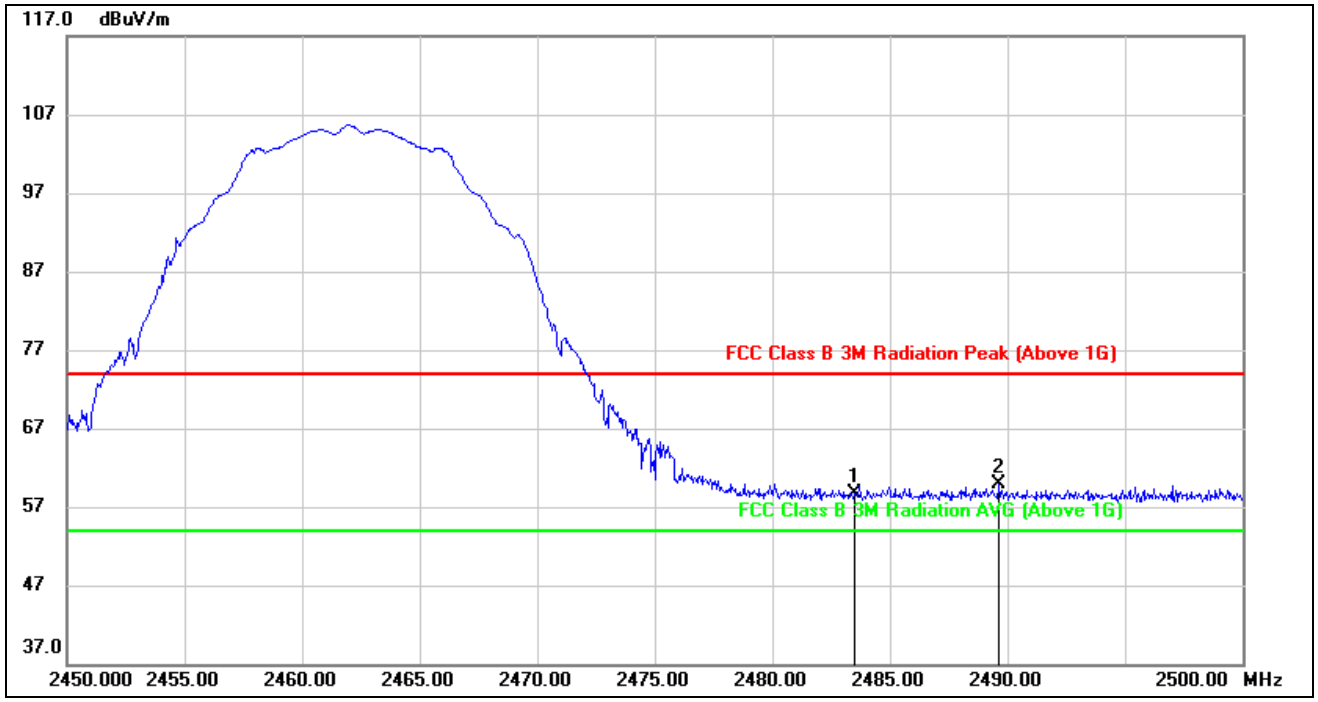
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	12.37	32.78	45.15	54.00	-8.85	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton where: ton is transmit duration.
4. For transmit duration, please refer to clause 8.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

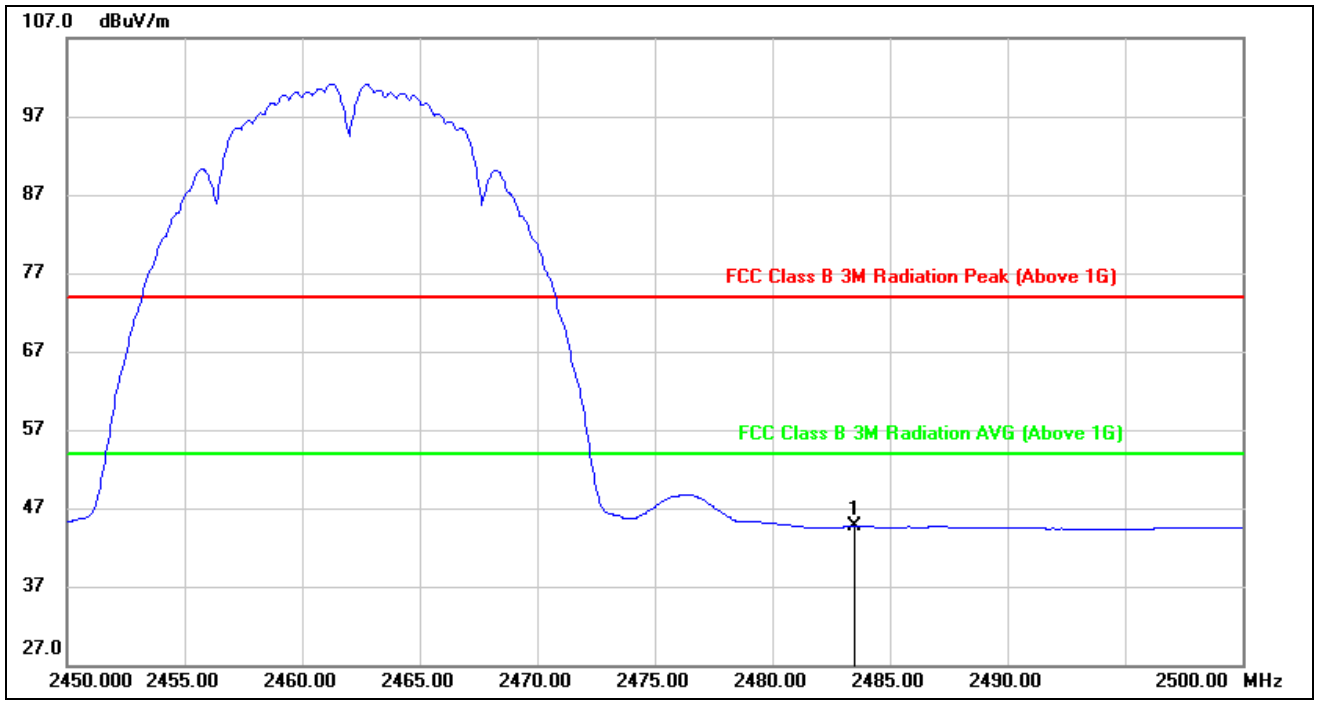
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	25.87	32.88	58.75	74.00	-15.25	peak
2	2489.650	27.12	32.88	60.00	74.00	-14.00	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	11.73	32.88	44.61	54.00	-9.39	AVG

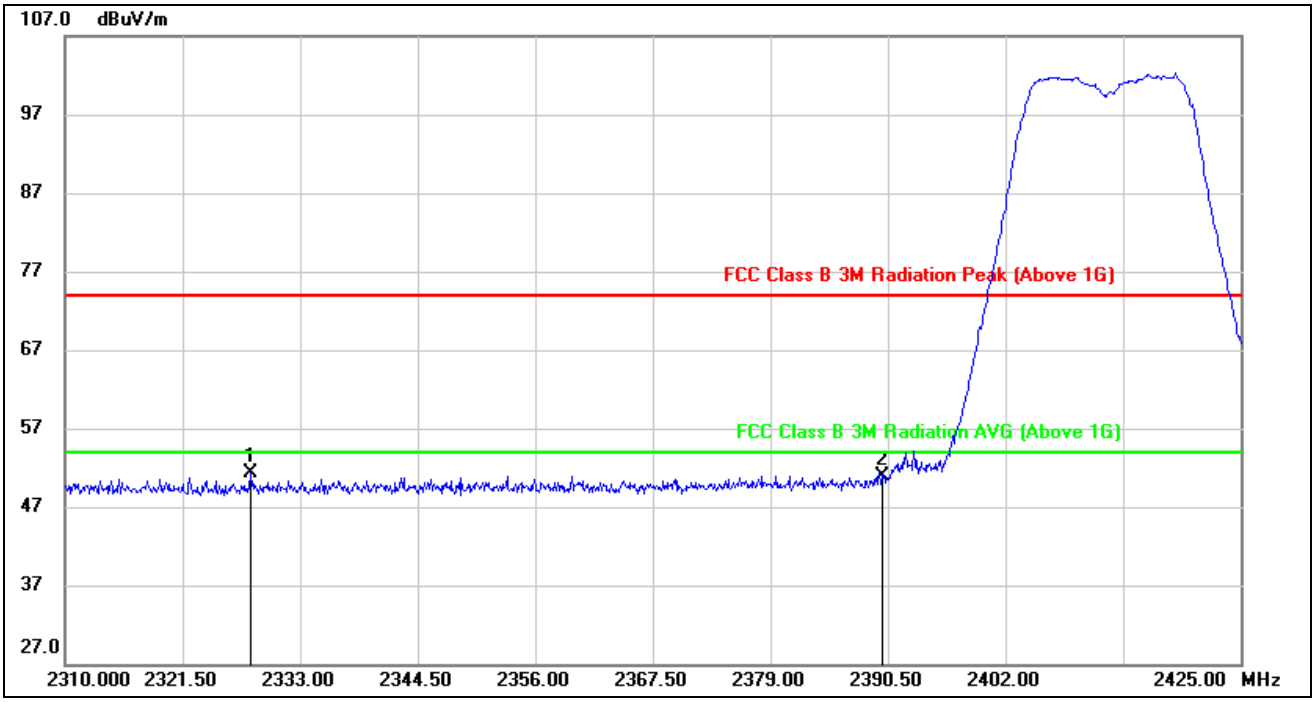
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton where: ton is transmit duration.
4. For transmit duration, please refer to clause 8.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
.

9.2.2. 802.11g MODE

SISO MODE ANTENNA B (WORST-CASE CONFIGURATION)

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

PRAK

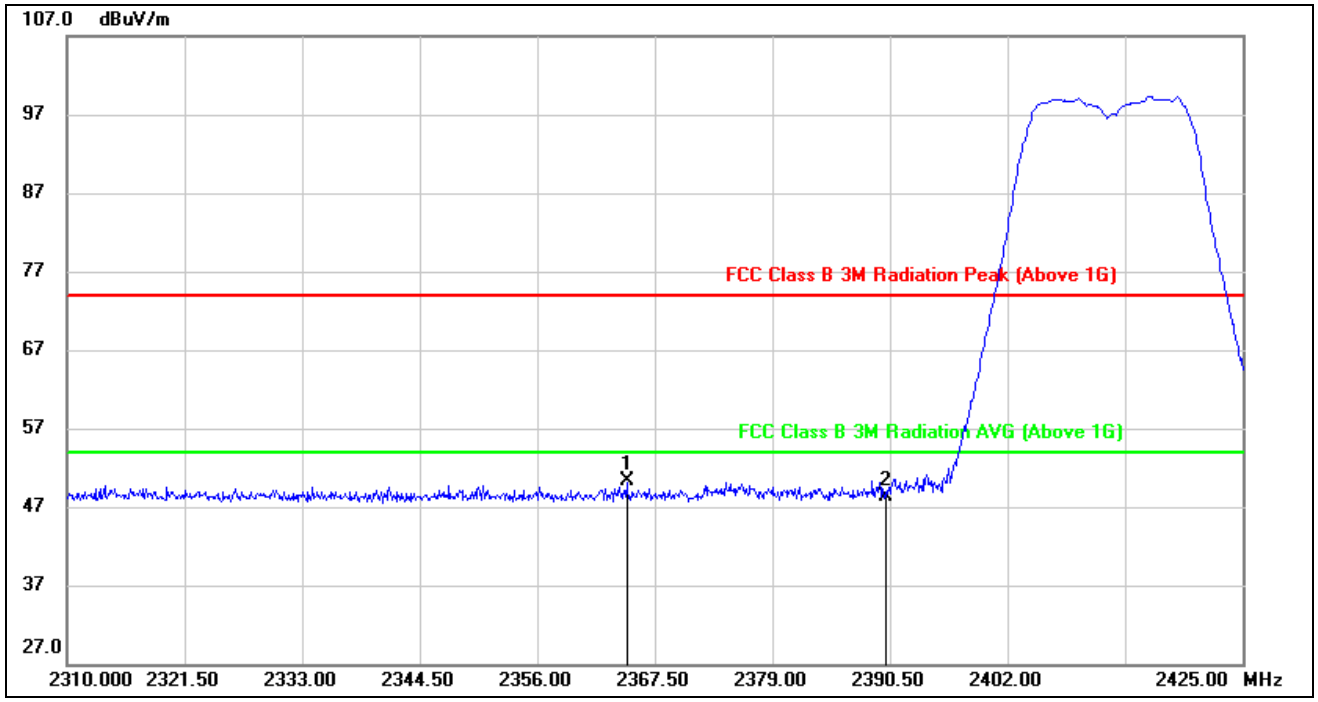


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2328.170	17.79	33.58	51.37	74.00	-22.63	peak
2	2390.000	17.68	33.14	50.82	74.00	-23.18	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

PEAK

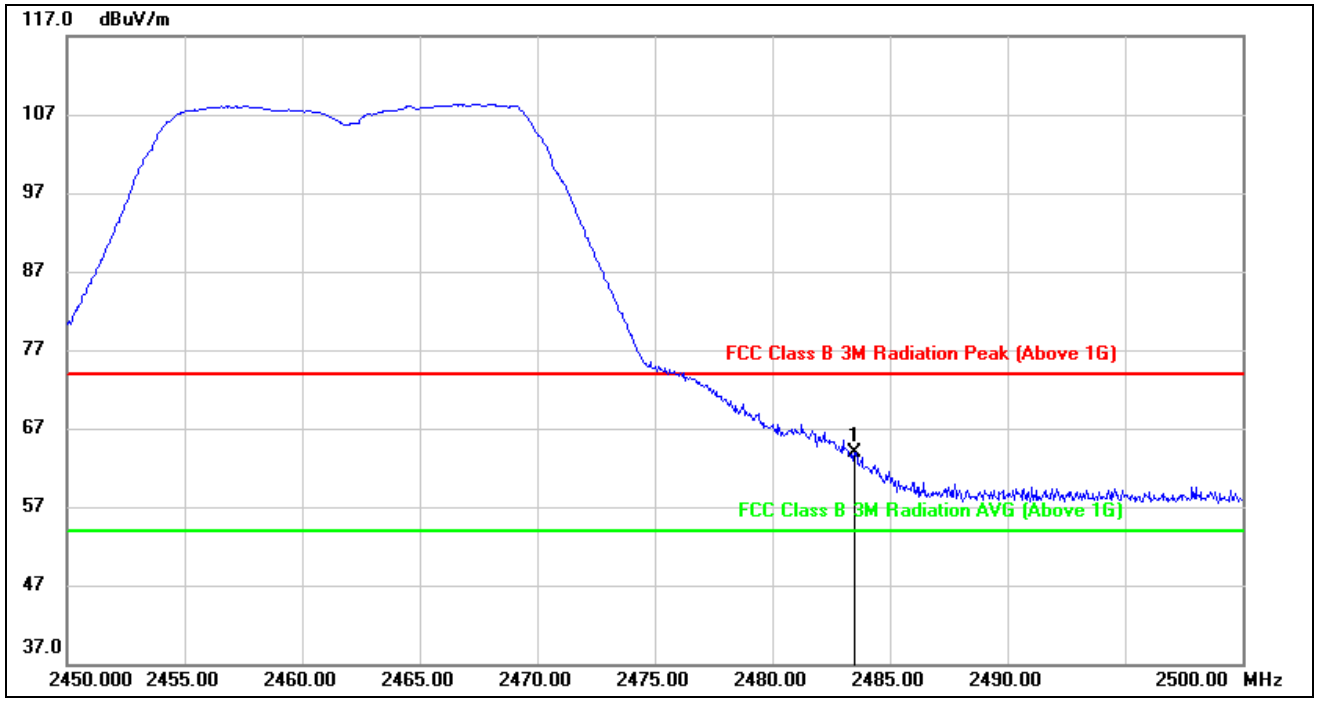


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2364.740	16.78	33.42	50.20	74.00	-23.80	peak
2	2390.000	15.15	33.24	48.39	74.00	-25.61	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)

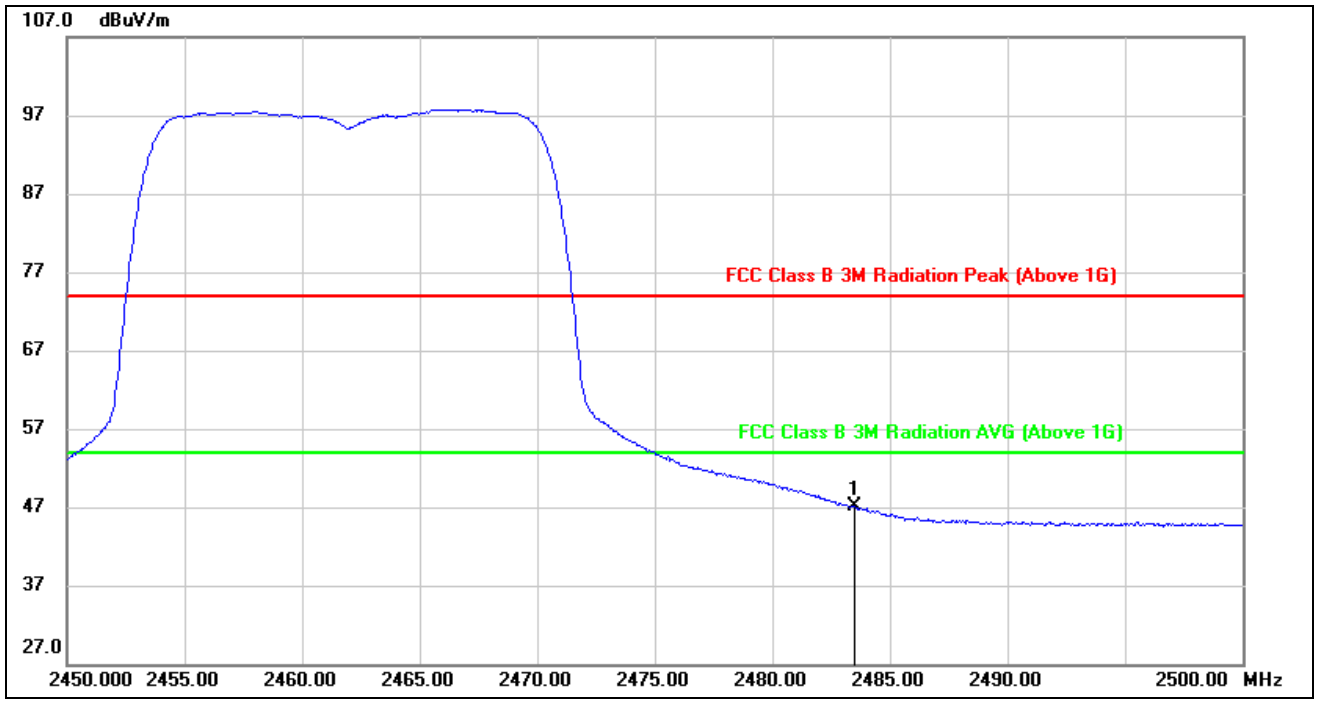
PRAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	31.10	32.78	63.88	74.00	-10.12	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVERAGE

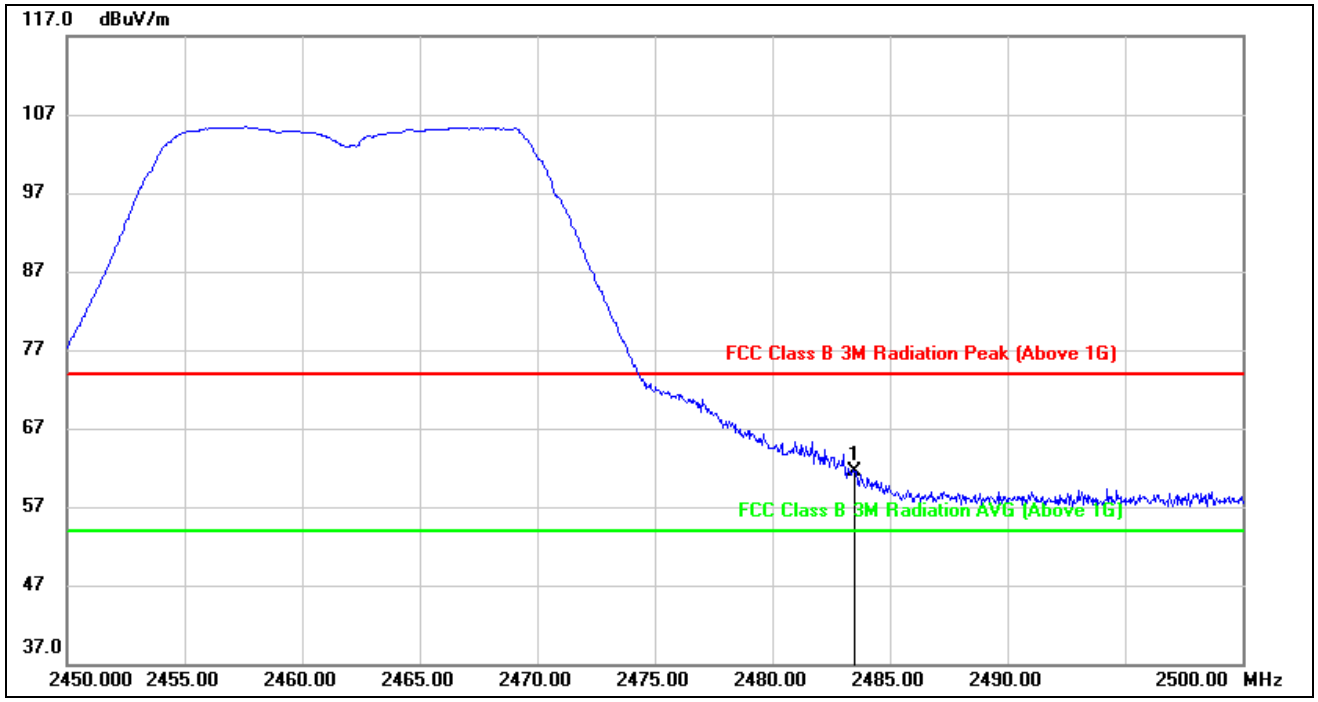


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	14.30	32.78	47.08	54.00	-6.92	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton where: ton is transmit duration.
4. For transmit duration, please refer to clause 8.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

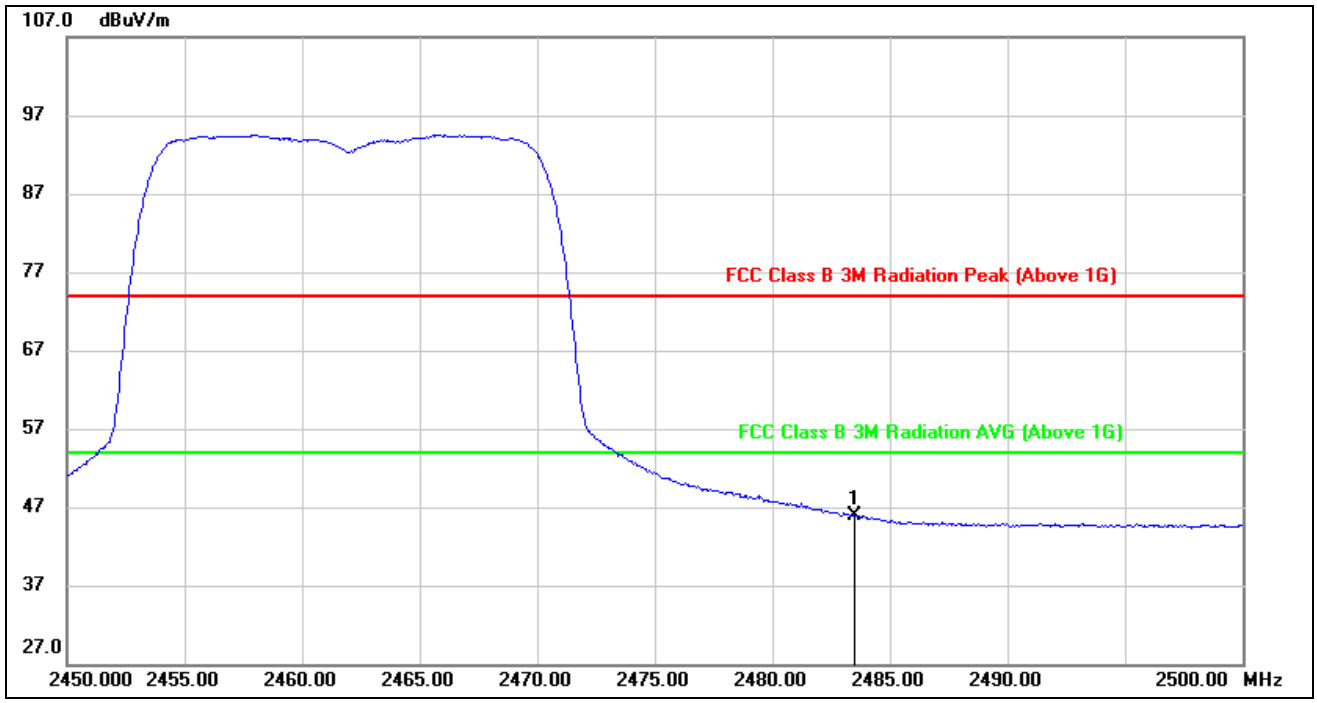
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	28.70	32.88	61.58	74.00	-12.42	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVERAGE



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	13.00	32.88	45.88	54.00	-8.12	AVG

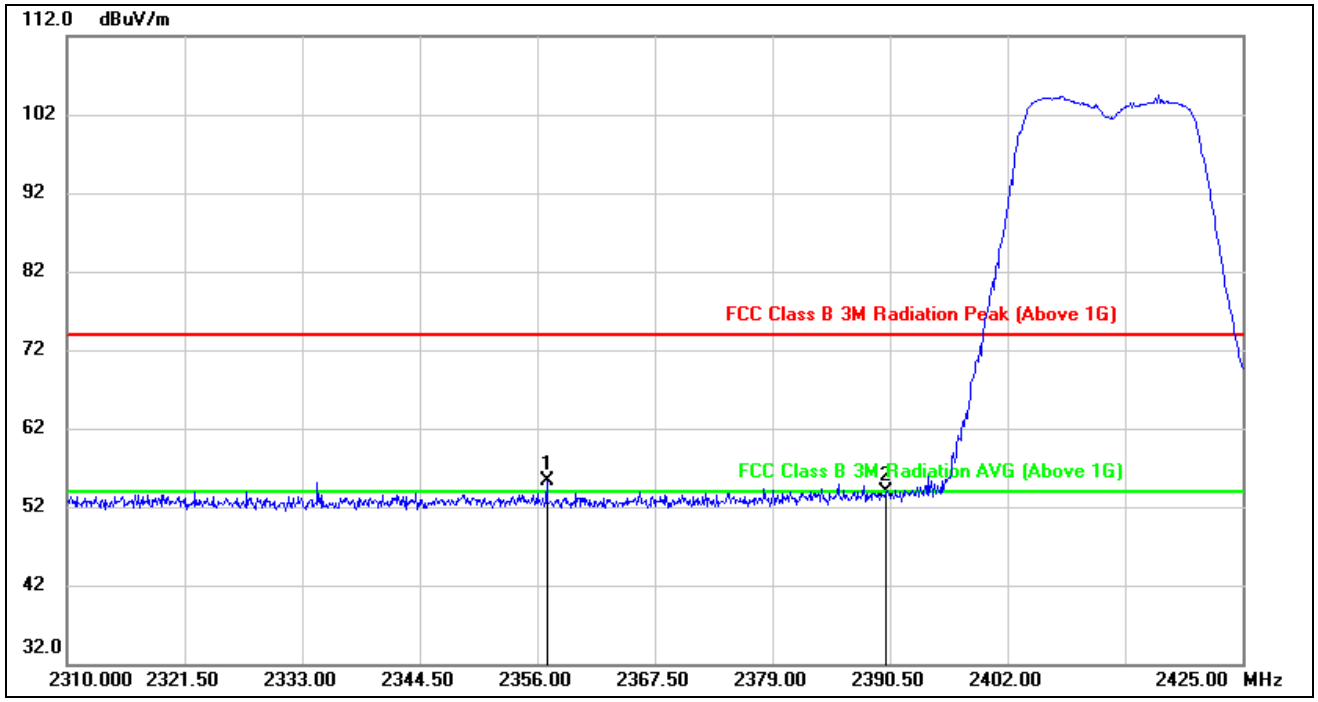
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton where: ton is transmit duration.
4. For transmit duration, please refer to clause 8.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.2.3. 802.11n HT20 MODE

MIMO CDD MODE

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

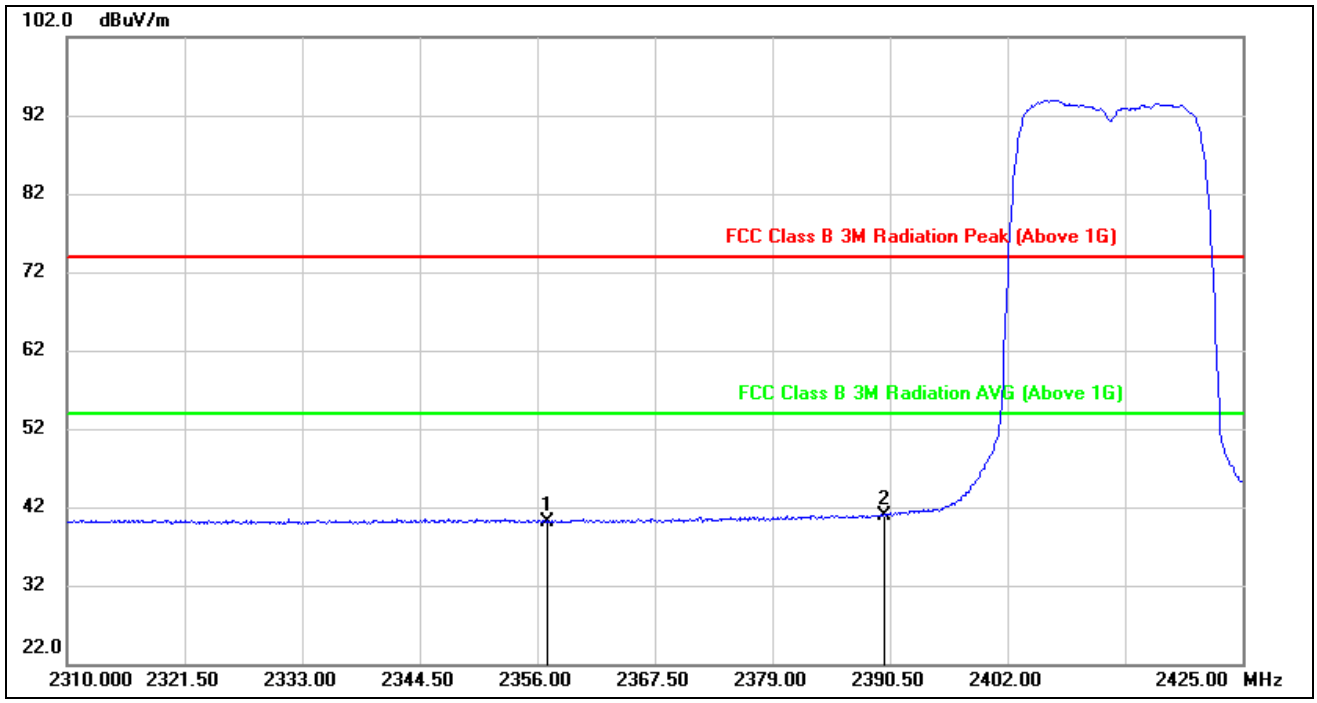
PRAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2356.920	21.93	33.38	55.31	74.00	-18.69	peak
2	2390.000	20.77	33.14	53.91	74.00	-20.09	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVERAGE

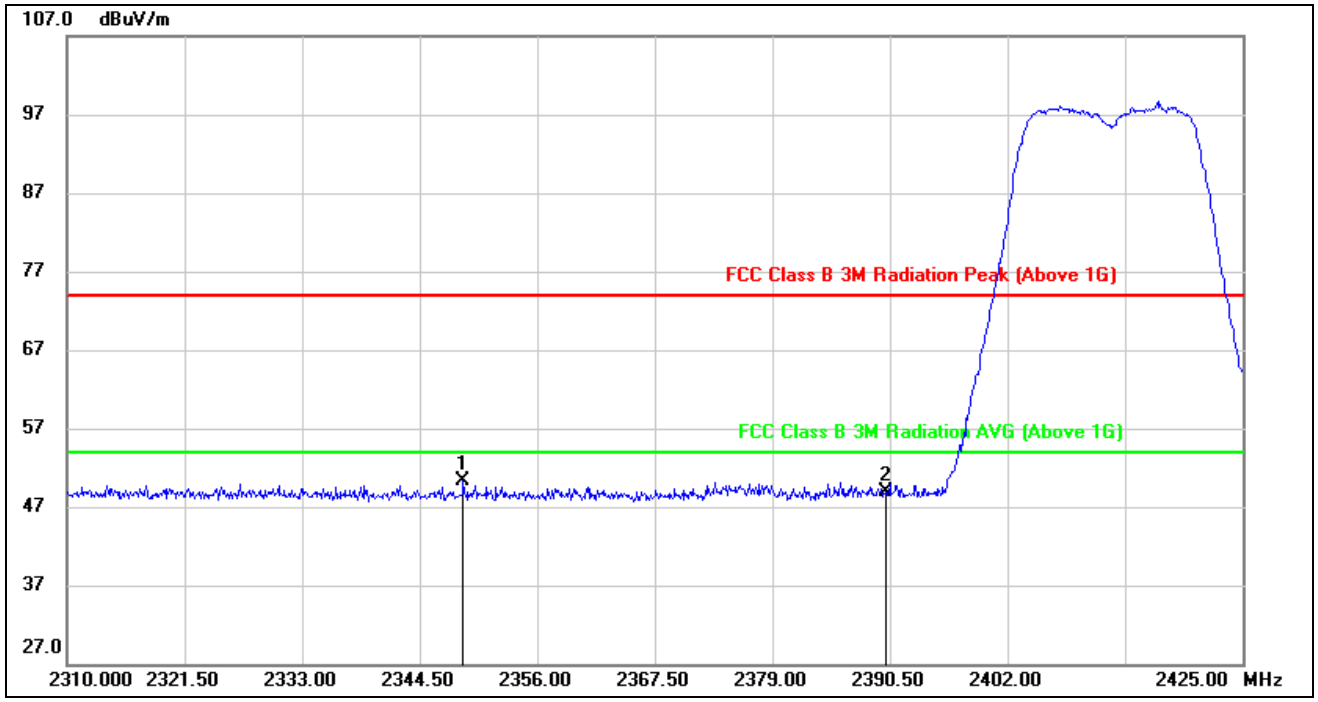


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2356.920	6.78	33.38	40.16	54.00	-13.84	AVG
2	2390.000	7.79	33.14	40.93	54.00	-13.07	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton where: ton is transmit duration.
4. For transmit duration, please refer to clause 8.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

PEAK

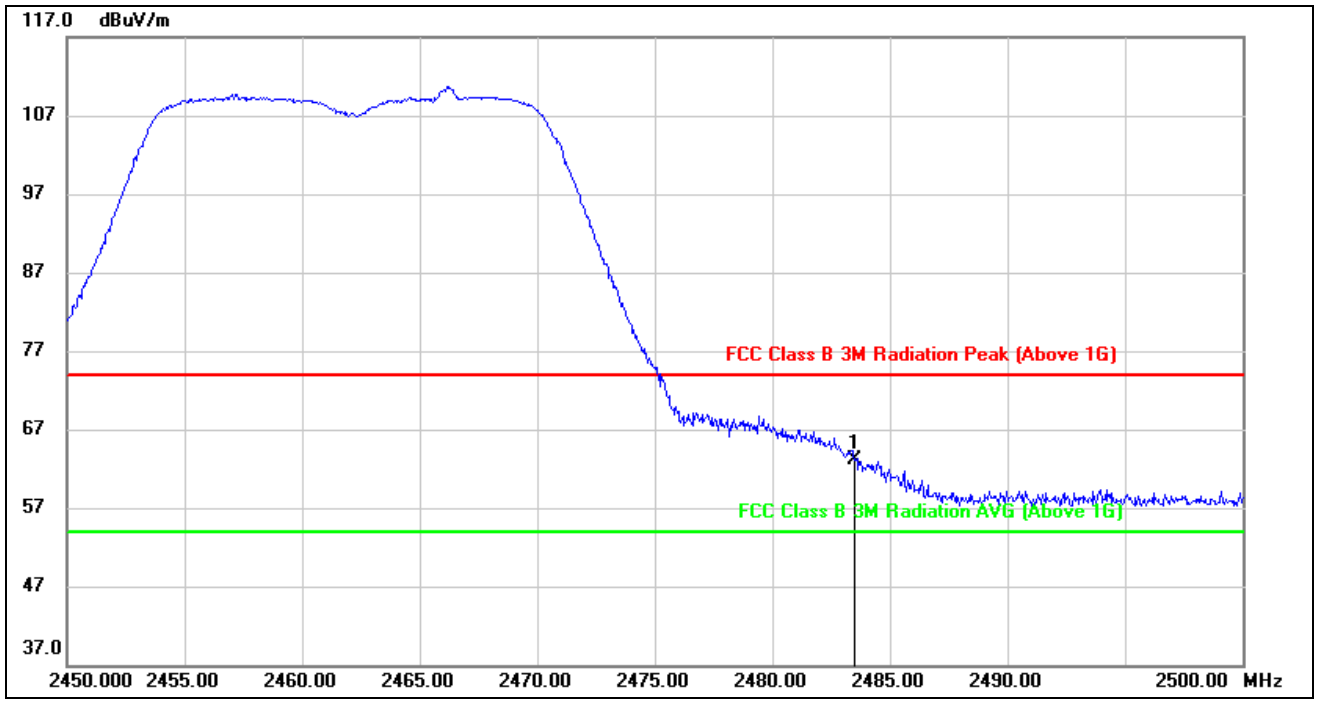


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2348.755	16.85	33.54	50.39	74.00	-23.61	peak
2	2390.000	15.68	33.24	48.92	74.00	-25.08	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)

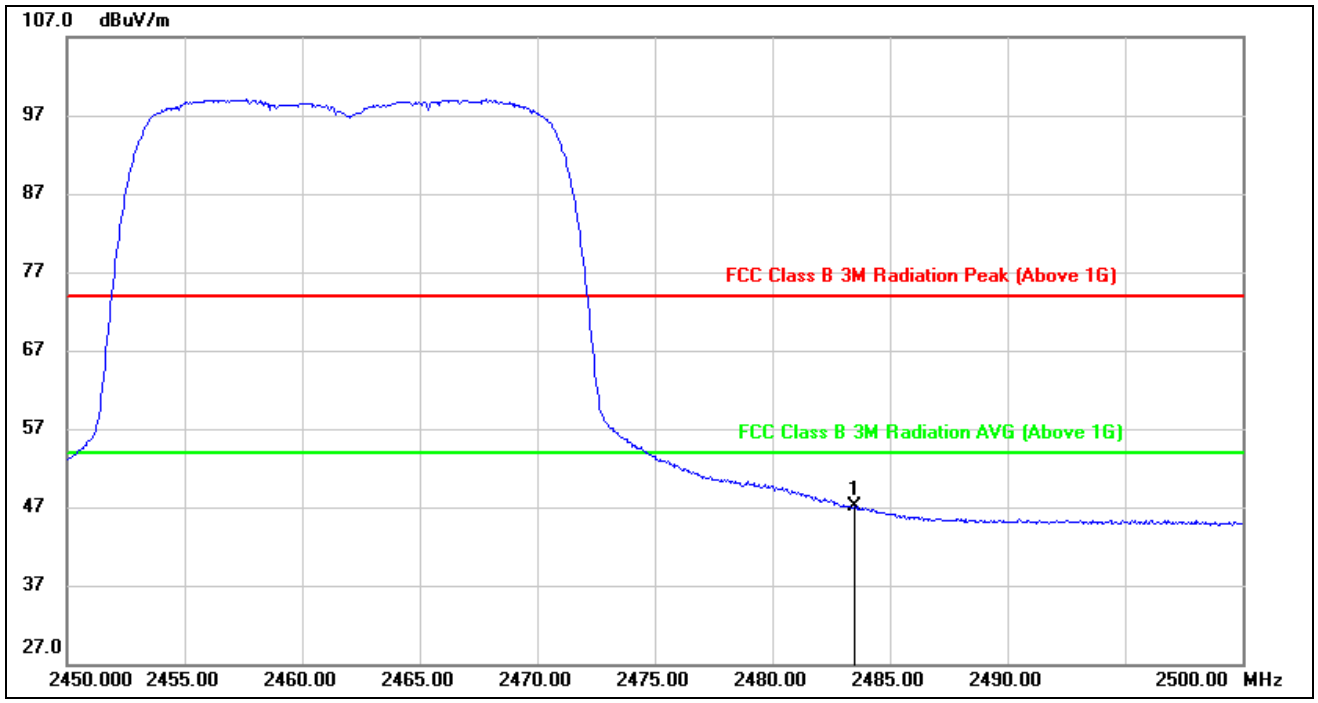
PRAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	30.31	32.78	63.09	74.00	-10.91	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVERAGE

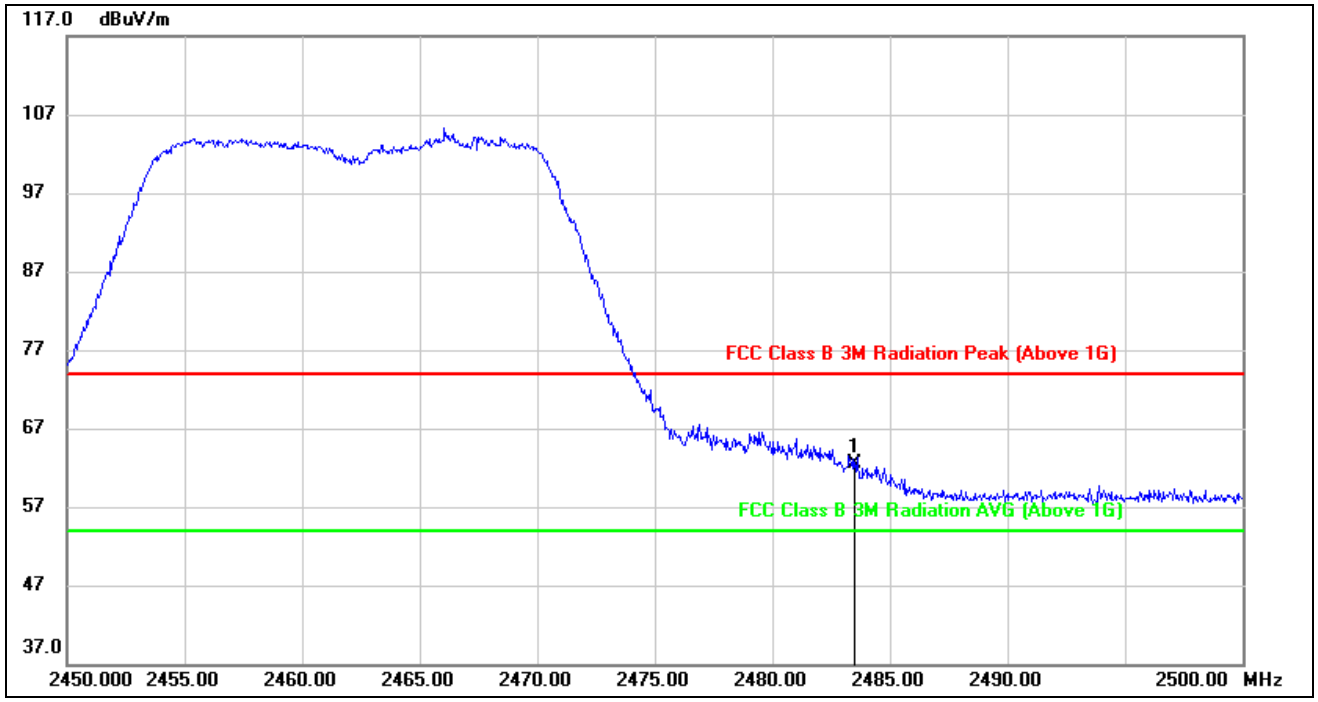


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	14.23	32.78	47.01	54.00	-6.99	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton where: ton is transmit duration.
4. For transmit duration, please refer to clause 8.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

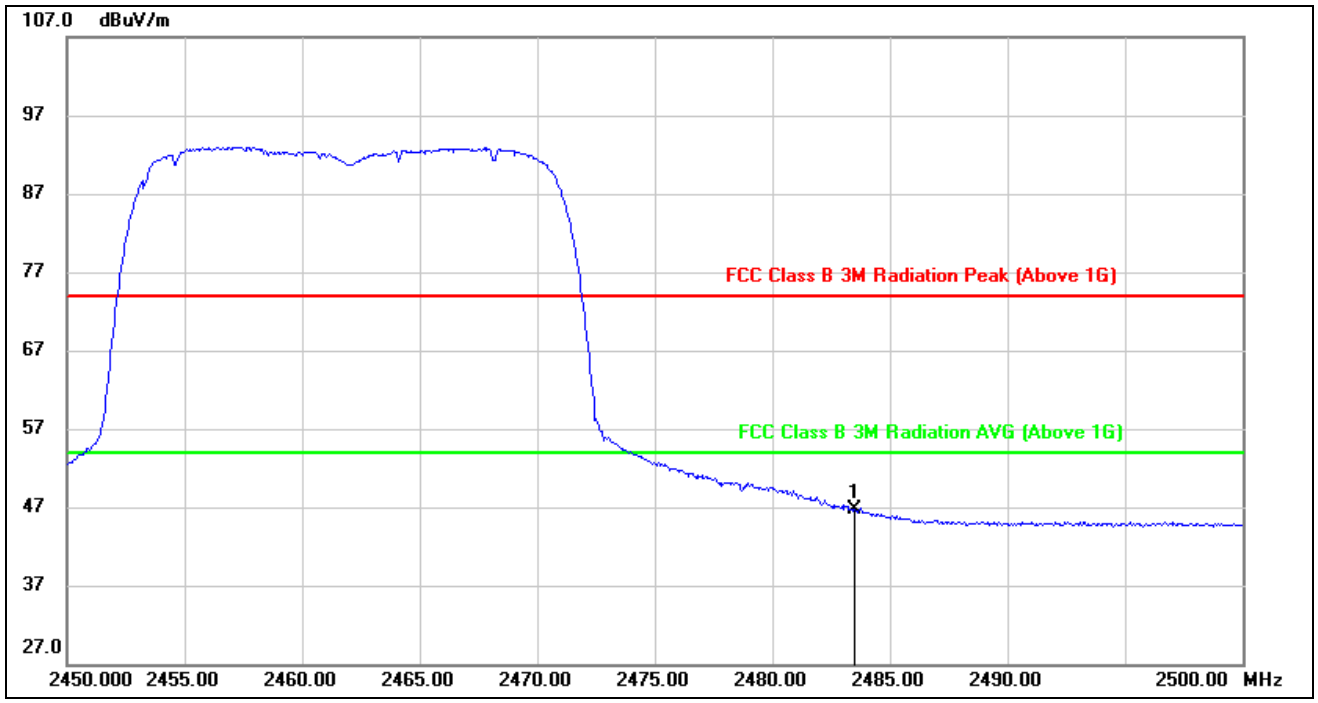
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.61	32.88	62.49	74.00	-11.51	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVERAGE



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	13.73	32.88	46.61	54.00	-7.39	AVG

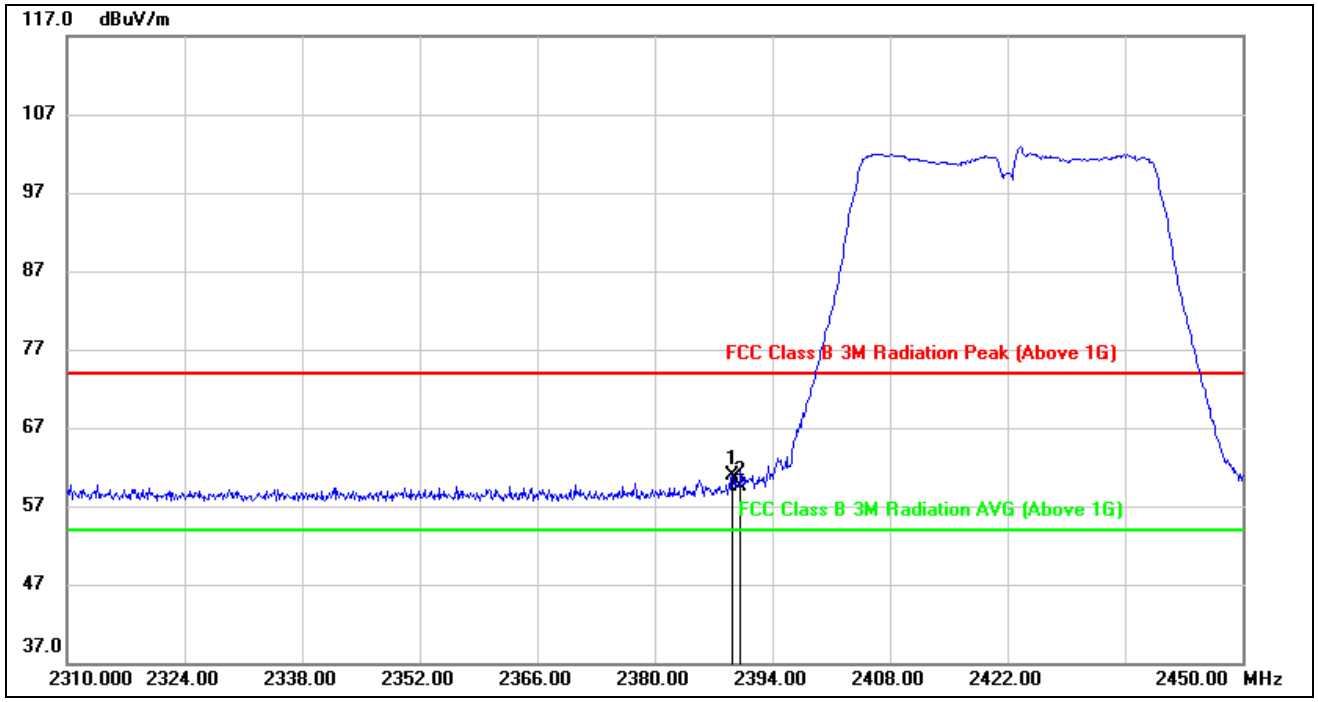
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton where: ton is transmit duration.
4. For transmit duration, please refer to clause 8.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.2.4. 802.11n HT40 MODE

MIMO CDD MODE

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

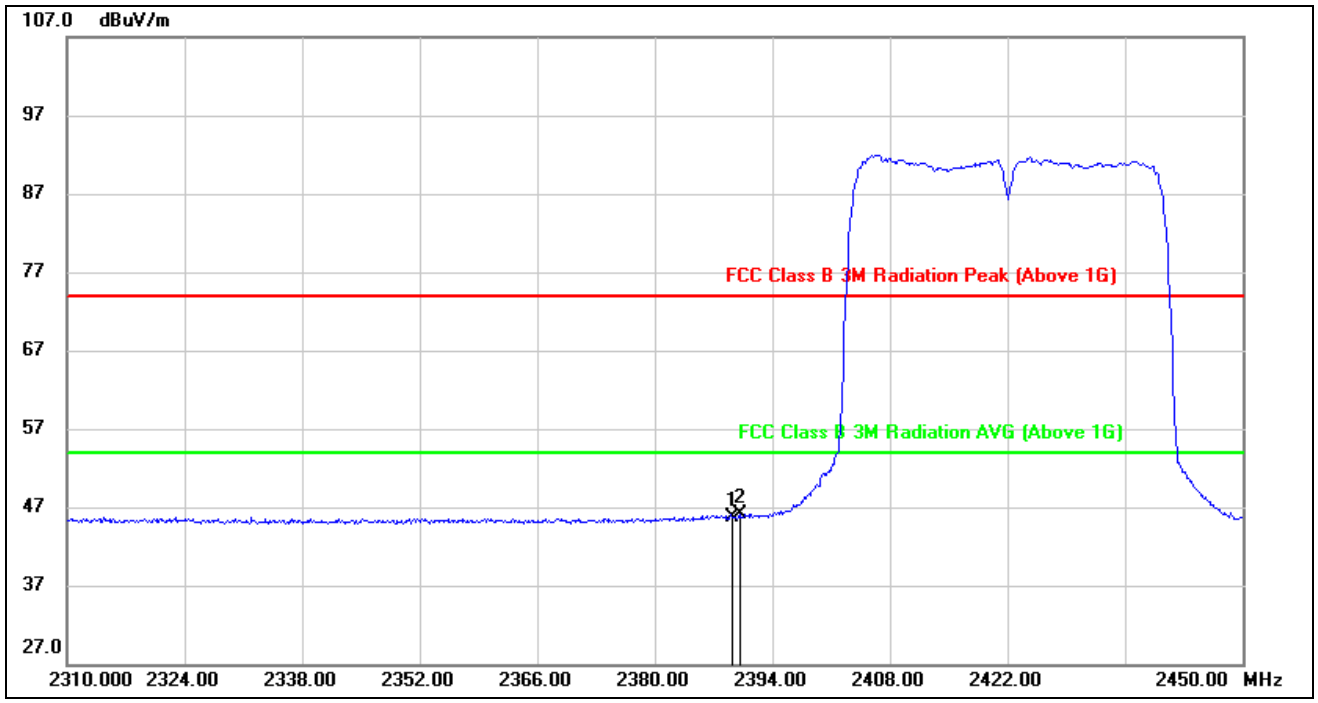
PRAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.240	27.69	33.15	60.84	74.00	-13.16	peak
2	2390.000	26.44	33.14	59.58	74.00	-14.42	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVERAGE

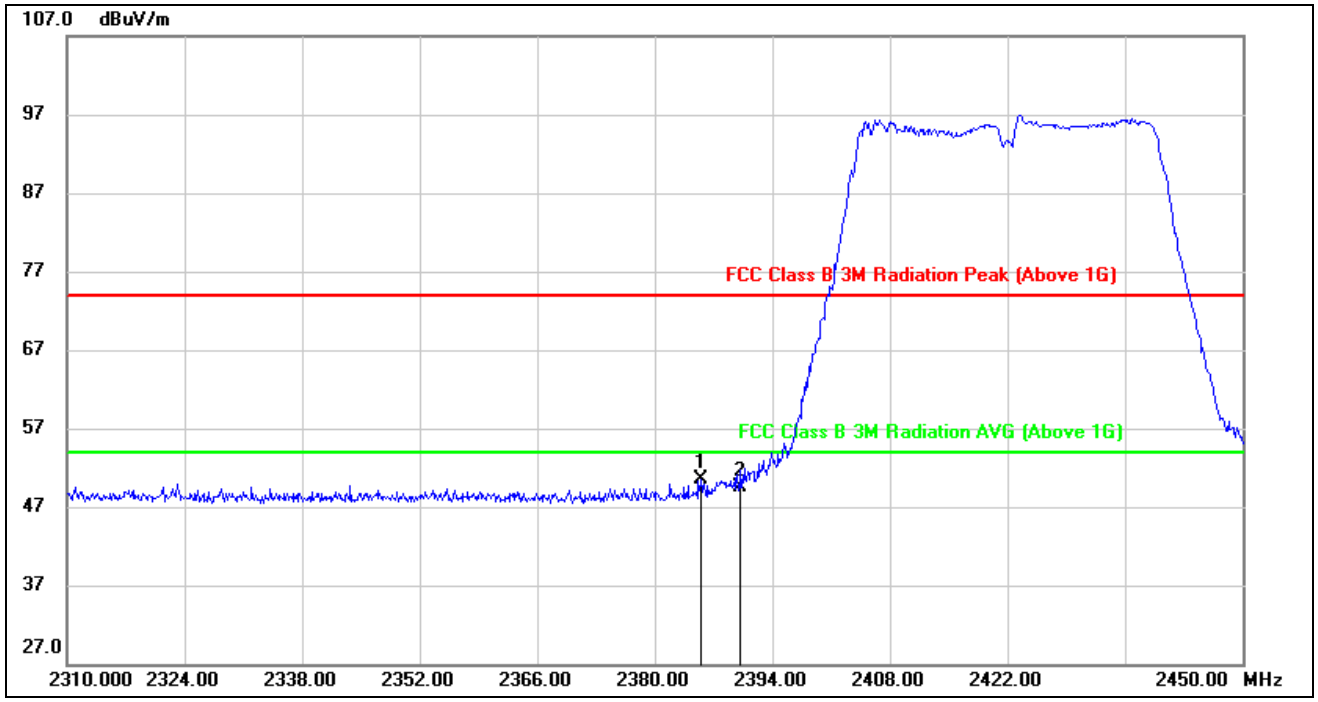


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.240	12.54	33.15	45.69	54.00	-8.31	AVG
2	2390.000	12.97	33.14	46.11	54.00	-7.89	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton where: ton is transmit duration.
4. For transmit duration, please refer to clause 8.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (LOW CHANNEL , VERTICAL)

PEAK

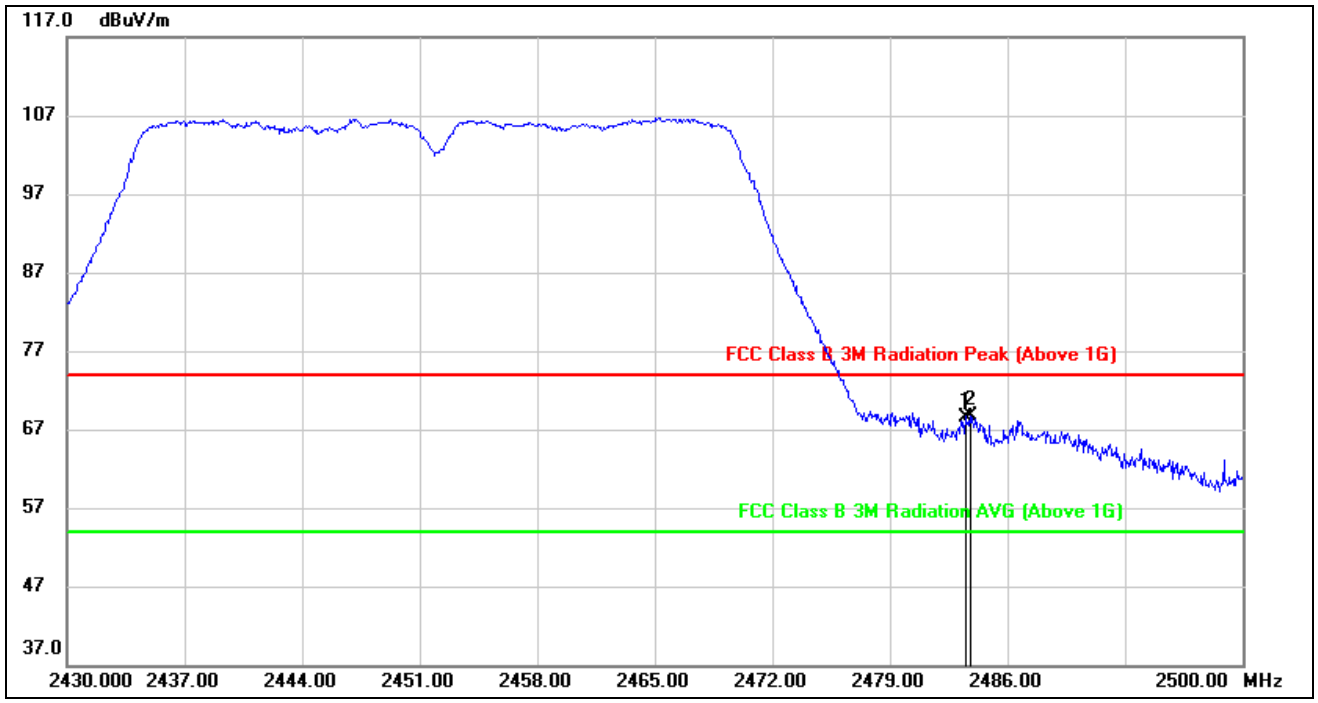


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.460	17.28	33.28	50.56	74.00	-23.44	peak
2	2390.000	16.29	33.24	49.53	74.00	-24.47	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)

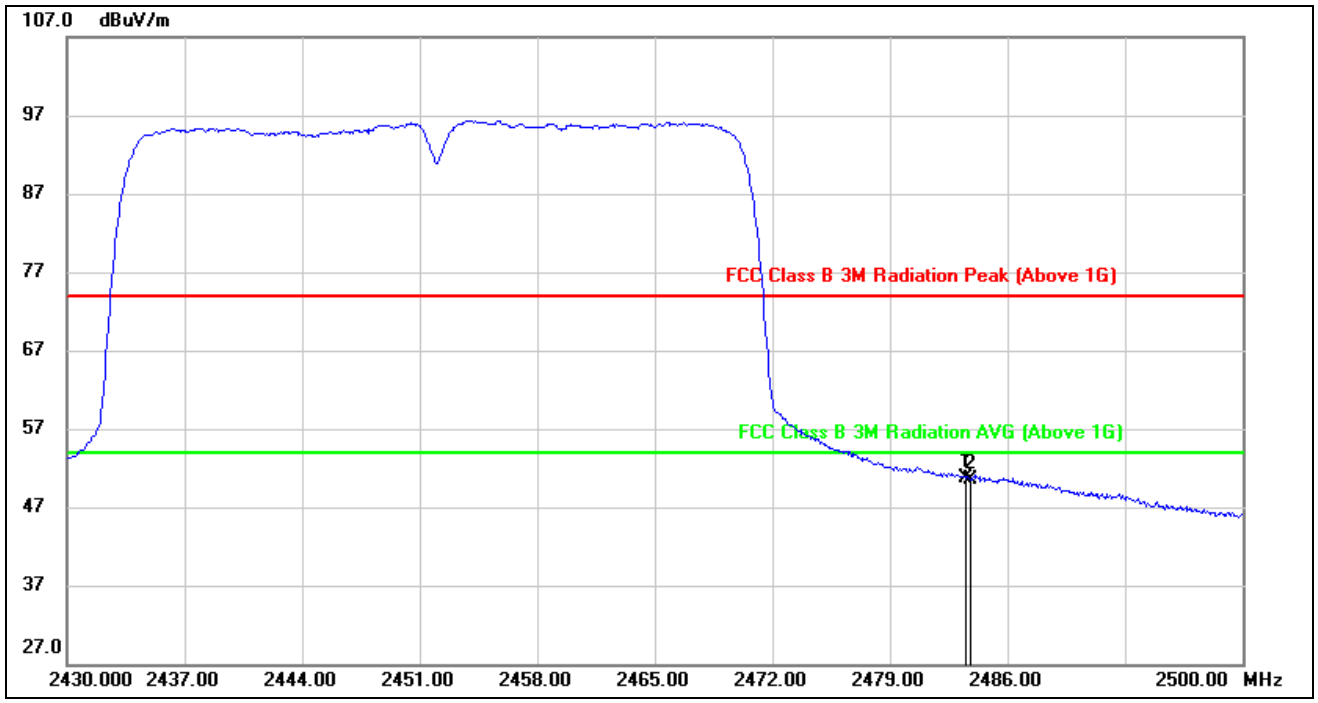
PRAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	35.68	32.78	68.46	74.00	-5.54	peak
2	2483.760	35.95	32.78	68.73	74.00	-5.27	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVERAGE

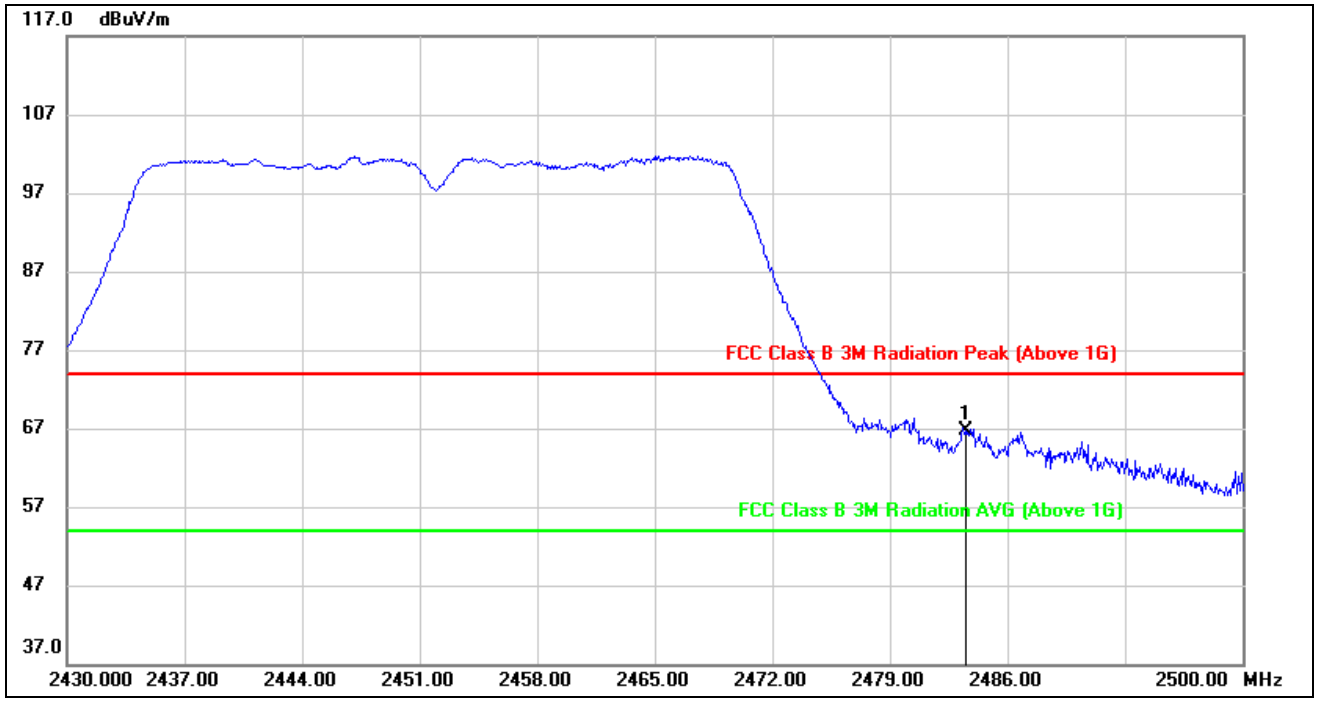


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	17.98	32.78	50.76	54.00	-3.24	AVG
2	2483.760	17.82	32.78	50.60	54.00	-3.40	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton where: ton is transmit duration.
4. For transmit duration, please refer to clause 8.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

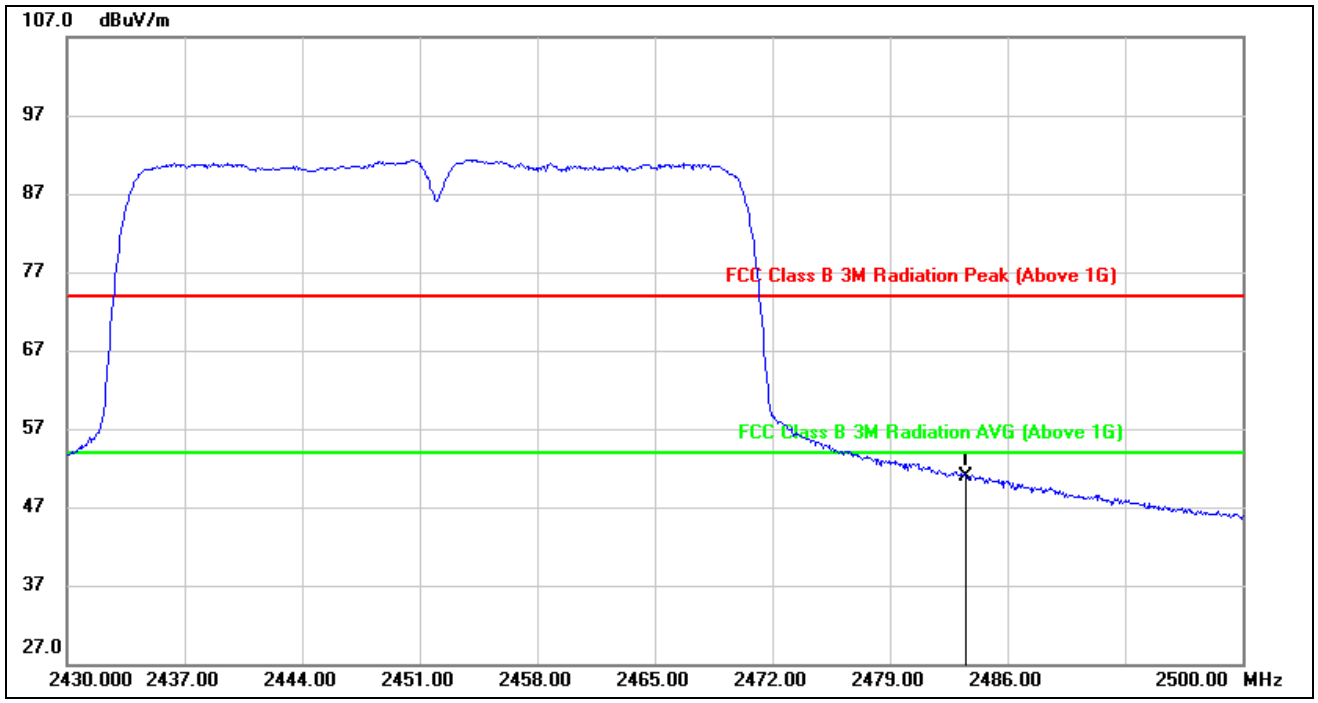
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	33.80	32.88	66.68	74.00	-7.32	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVERAGE



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	18.05	32.88	50.93	54.00	-3.07	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton where: ton is transmit duration.
4. For transmit duration, please refer to clause 8.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

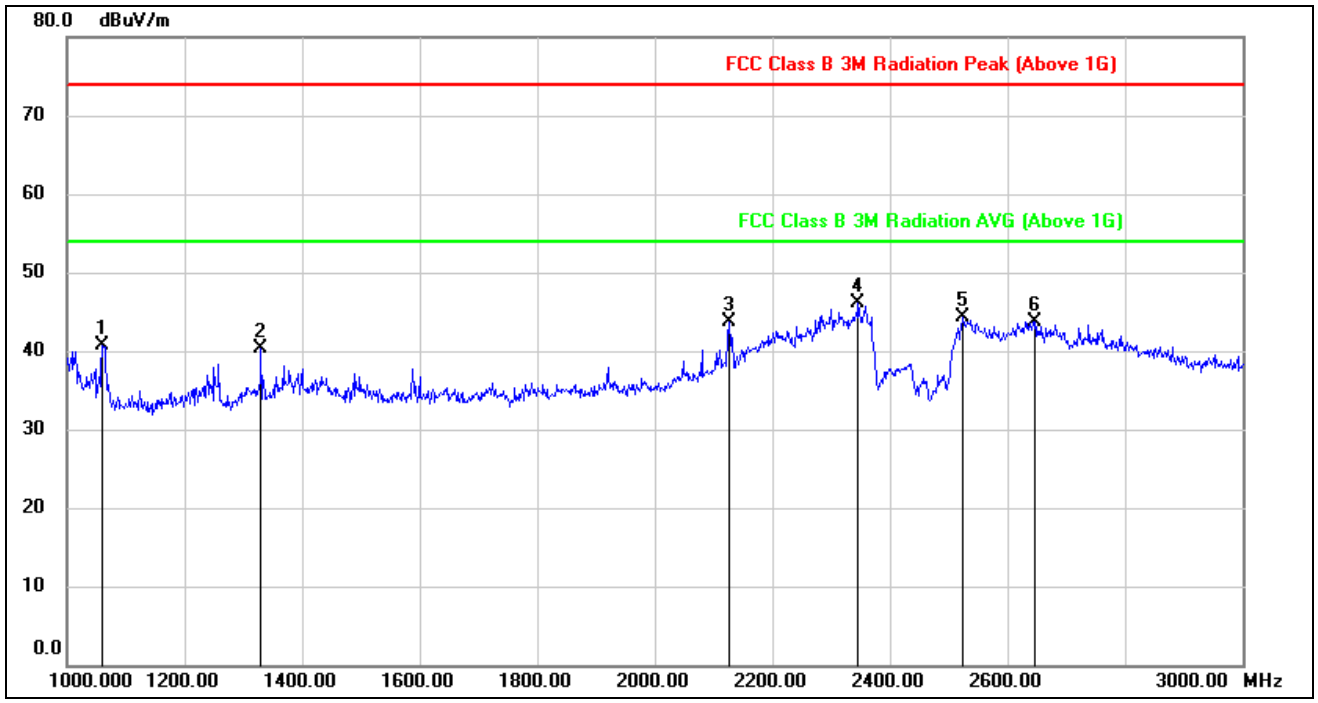
9.3. SPURIOUS EMISSIONS For 2.4G(1~18GHz)

9.3.1. 802.11b MODE

SISO MODE ANTENNA B (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

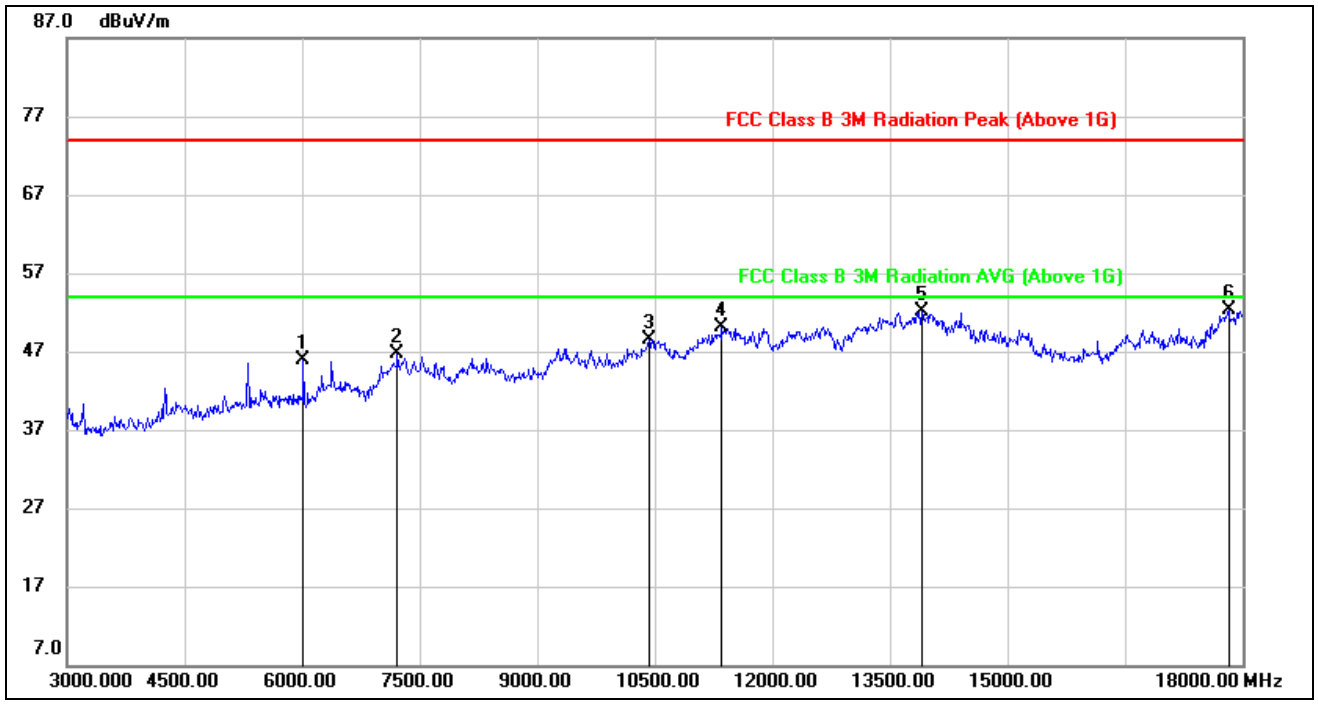
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1060.000	54.31	-13.62	40.69	74.00	-33.31	peak
2	1330.000	52.65	-12.38	40.27	74.00	-33.73	peak
3	2126.000	52.87	-9.24	43.63	74.00	-30.37	peak
4	2346.000	53.76	-7.73	46.03	74.00	-27.97	peak
5	2524.000	52.69	-8.38	44.31	74.00	-29.69	peak
6	2646.000	51.61	-7.88	43.73	74.00	-30.27	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

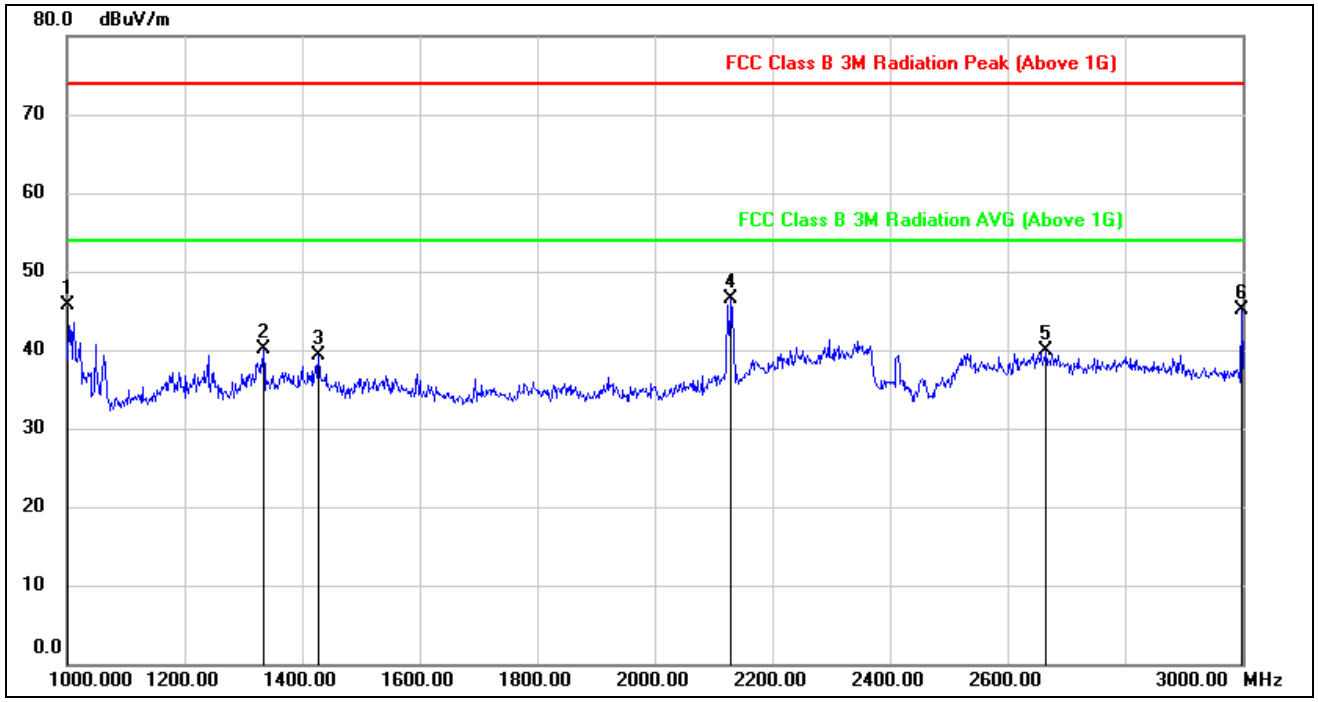


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6015.000	42.57	3.25	45.82	74.00	-28.18	peak
2	7215.000	38.87	7.78	46.65	74.00	-27.35	peak
3	10425.000	35.28	13.25	48.53	74.00	-25.47	peak
4	11355.000	35.08	15.01	50.09	74.00	-23.91	peak
5	13905.000	31.38	20.65	52.03	74.00	-21.97	peak
6	17820.000	25.74	26.48	52.22	74.00	-21.78	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

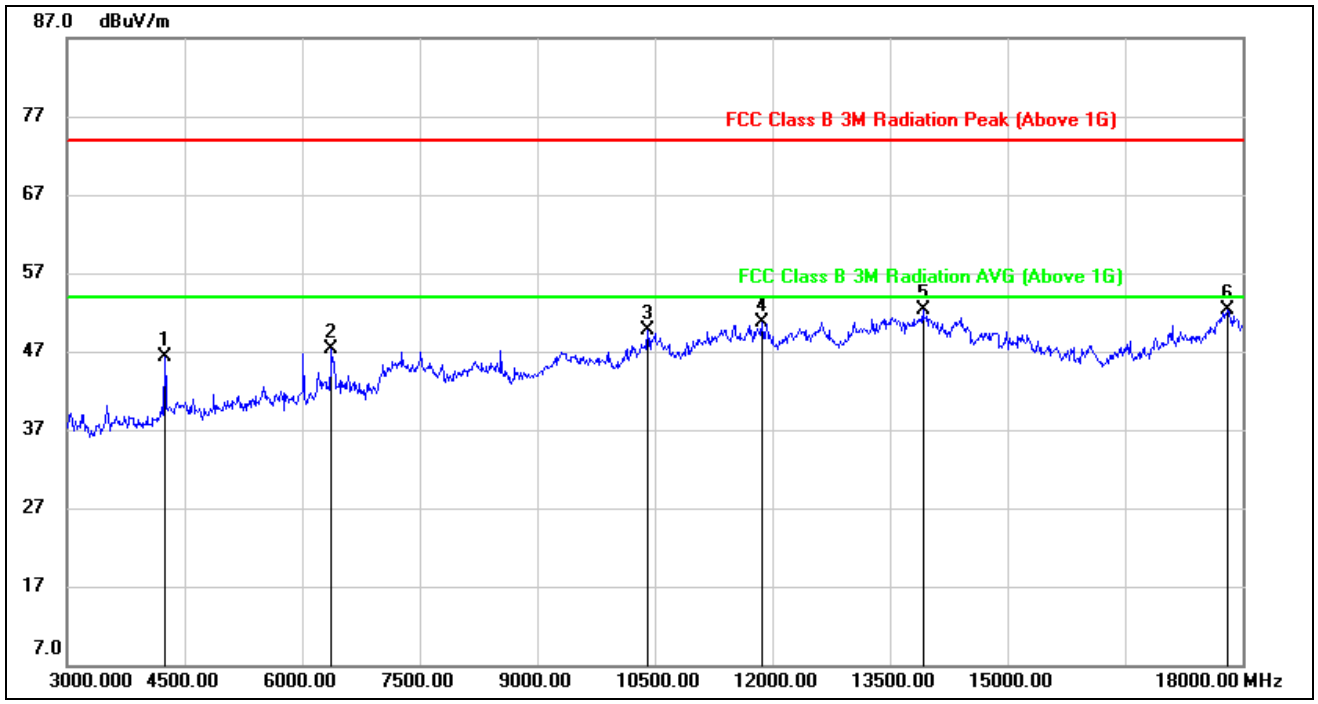
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1000.0000	59.81	-14.01	45.80	74.00	-28.20	peak
2	1334.000	52.55	-12.47	40.08	74.00	-33.92	peak
3	1428.000	51.75	-12.35	39.40	74.00	-34.60	peak
4	2130.000	55.87	-9.28	46.59	74.00	-27.41	peak
5	2666.000	47.72	-7.84	39.88	74.00	-34.12	peak
6	2998.000	51.78	-6.60	45.18	74.00	-28.82	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

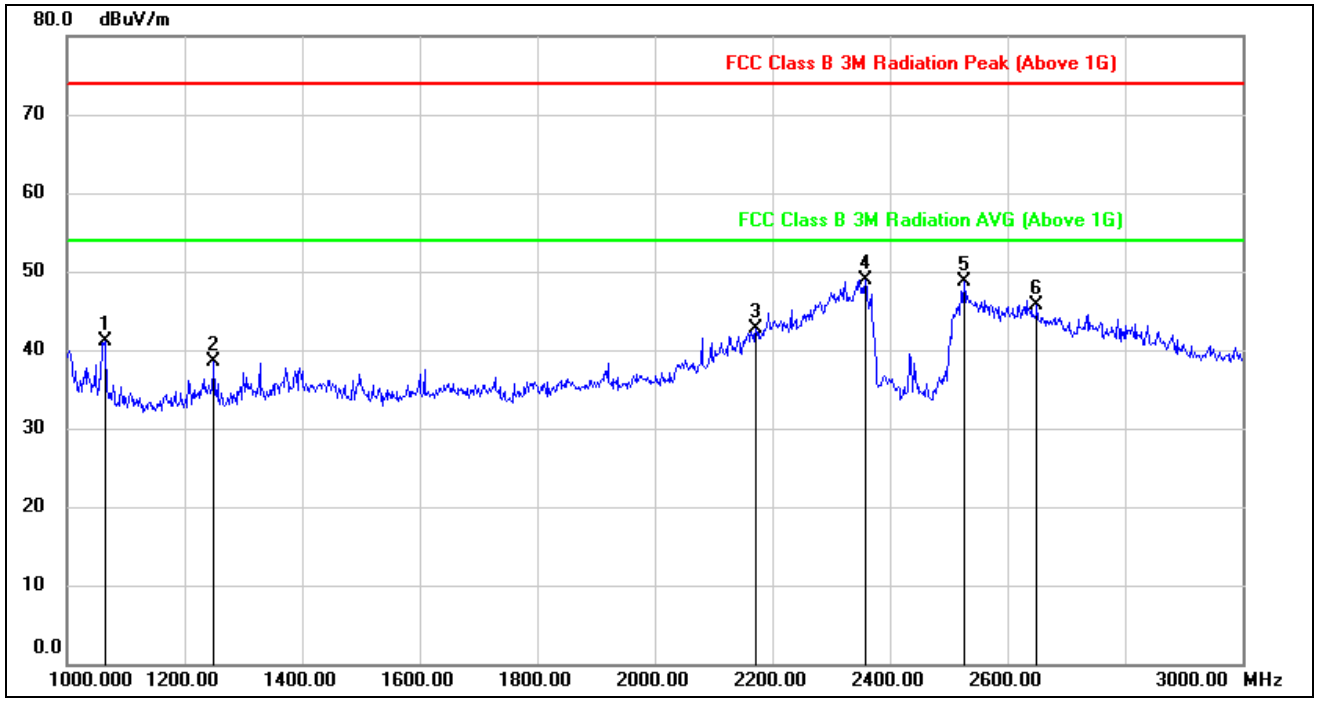


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4245.000	48.16	-1.92	46.24	74.00	-27.76	peak
2	6375.000	42.67	4.70	47.37	74.00	-26.63	peak
3	10410.000	36.41	13.26	49.67	74.00	-24.33	peak
4	11865.000	33.99	16.64	50.63	74.00	-23.37	peak
5	13920.000	31.56	20.83	52.39	74.00	-21.61	peak
6	17805.000	25.56	26.80	52.36	74.00	-21.64	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

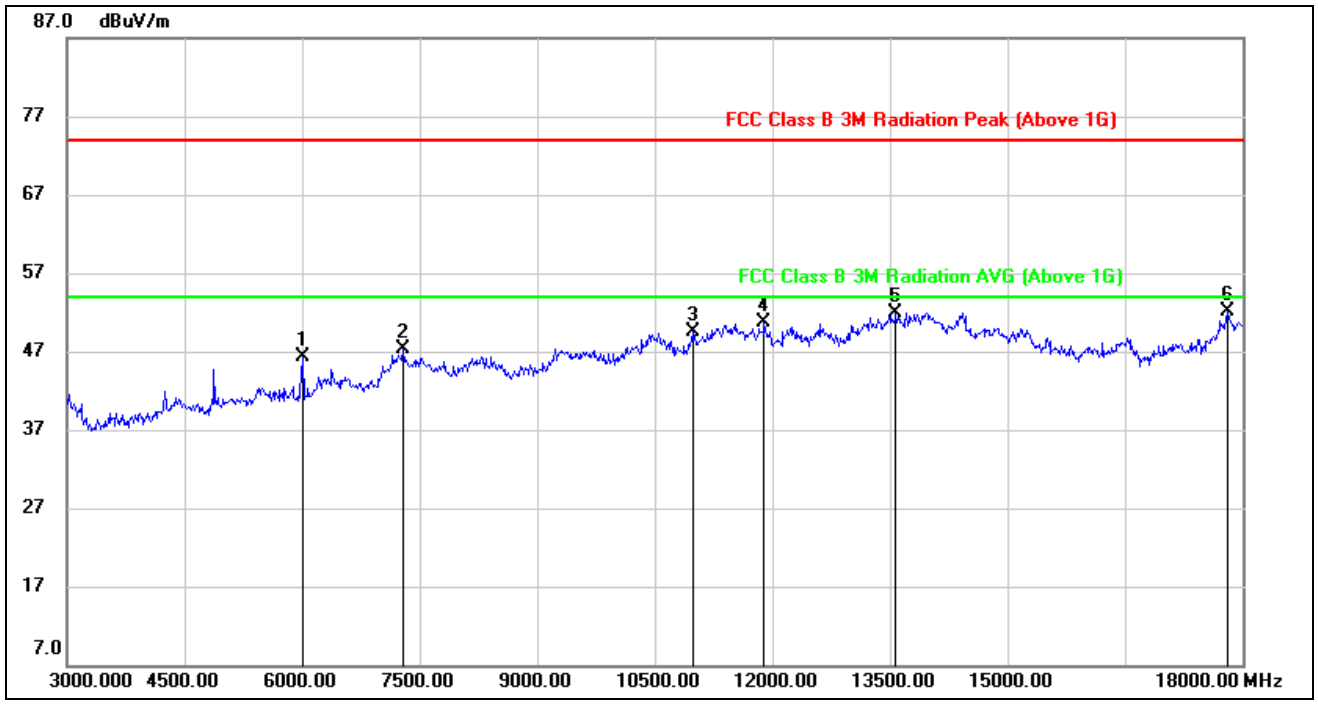
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1064.000	54.72	-13.62	41.10	74.00	-32.90	peak
2	1250.000	51.23	-12.82	38.41	74.00	-35.59	peak
3	2172.000	51.38	-8.65	42.73	74.00	-31.27	peak
4	2358.000	56.75	-7.80	48.95	74.00	-25.05	peak
5	2526.000	57.04	-8.38	48.66	74.00	-25.34	peak
6	2650.000	53.61	-7.85	45.76	74.00	-28.24	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

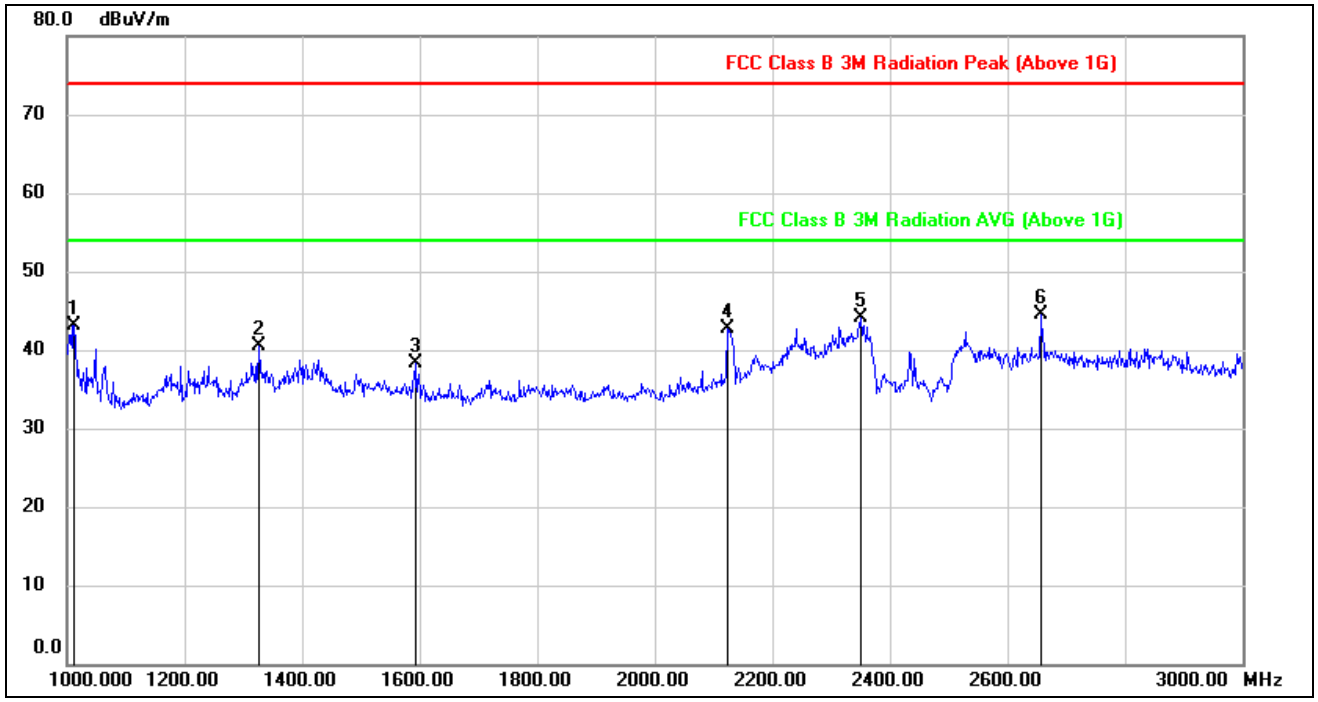


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6015.000	43.13	3.25	46.38	74.00	-27.62	peak
2	7290.000	39.35	7.86	47.21	74.00	-26.79	peak
3	10980.000	35.01	14.43	49.44	74.00	-24.56	peak
4	11895.000	33.68	17.04	50.72	74.00	-23.28	peak
5	13575.000	31.57	20.43	52.00	74.00	-22.00	peak
6	17805.000	25.56	26.48	52.04	74.00	-21.96	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

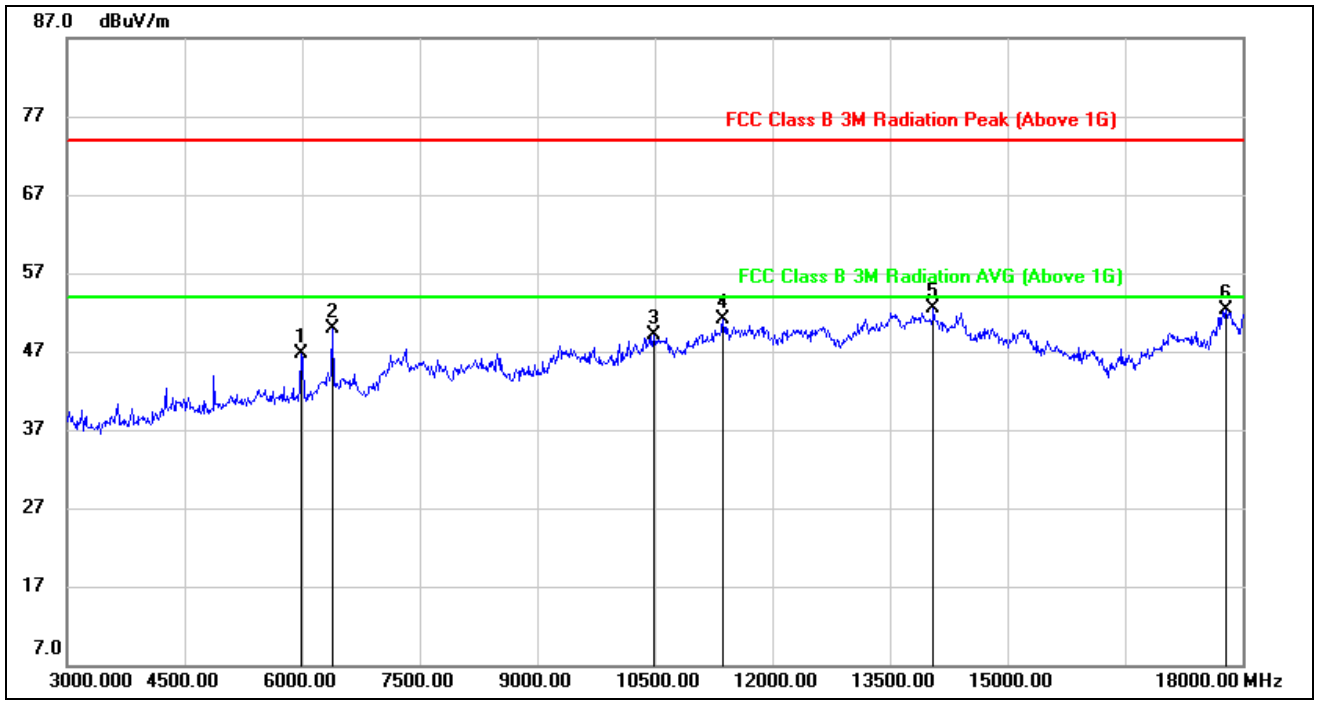
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1012.000	57.05	-13.99	43.06	74.00	-30.94	peak
2	1326.000	53.08	-12.53	40.55	74.00	-33.45	peak
3	1594.000	50.33	-12.08	38.25	74.00	-35.75	peak
4	2124.000	52.01	-9.36	42.65	74.00	-31.35	peak
5	2350.000	51.67	-7.65	44.02	74.00	-29.98	peak
6	2656.000	52.34	-7.91	44.43	74.00	-29.57	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

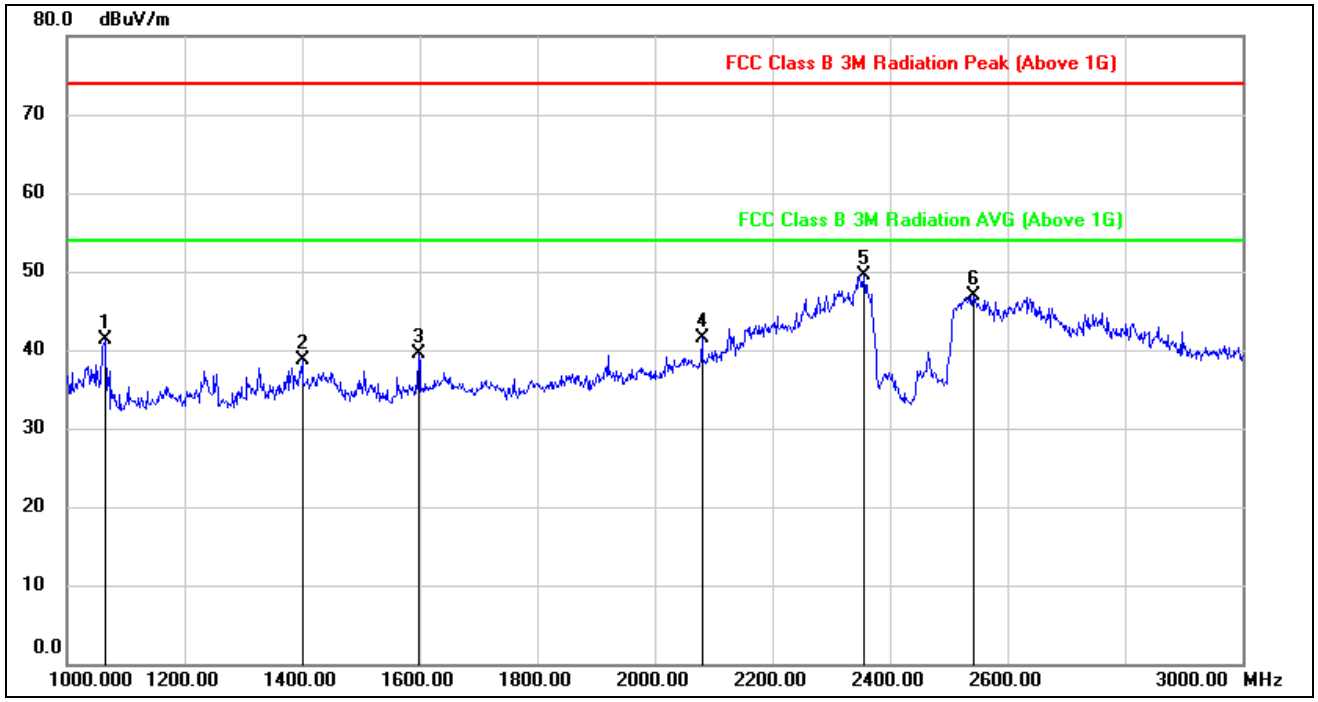


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5985.000	43.46	3.28	46.74	74.00	-27.26	peak
2	6390.000	45.11	4.73	49.84	74.00	-24.16	peak
3	10485.000	35.36	13.72	49.08	74.00	-24.92	peak
4	11370.000	35.51	15.55	51.06	74.00	-22.94	peak
5	14055.000	31.87	20.55	52.42	74.00	-21.58	peak
6	17790.000	25.48	26.76	52.24	74.00	-21.76	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

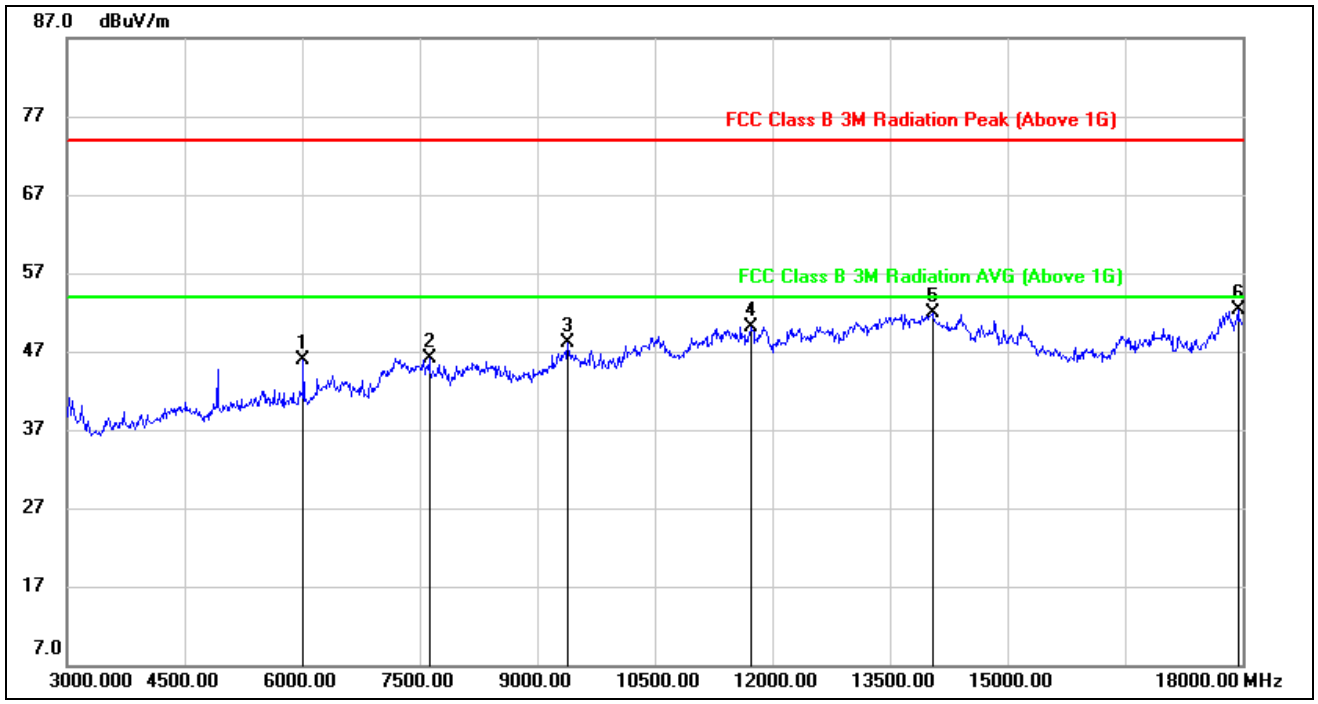
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1064.000	54.92	-13.62	41.30	74.00	-32.70	peak
2	1400.000	50.71	-12.06	38.65	74.00	-35.35	peak
3	1598.000	51.50	-12.07	39.43	74.00	-34.57	peak
4	2080.000	51.31	-9.82	41.49	74.00	-32.51	peak
5	2356.000	57.25	-7.79	49.46	74.00	-24.54	peak
6	2542.000	55.34	-8.36	46.98	74.00	-27.02	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

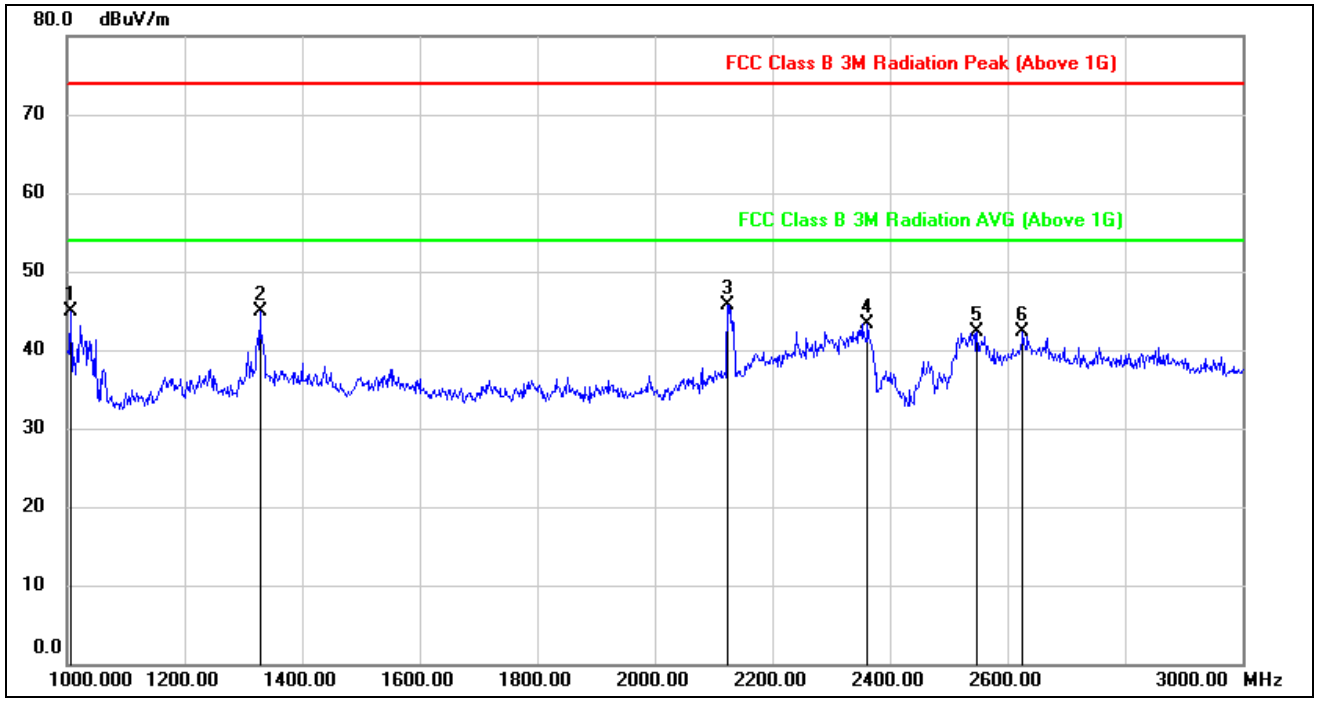


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6015.000	42.57	3.25	45.82	74.00	-28.18	peak
2	7620.000	38.05	8.11	46.16	74.00	-27.84	peak
3	9390.000	37.22	10.82	48.04	74.00	-25.96	peak
4	11730.000	33.89	16.28	50.17	74.00	-23.83	peak
5	14040.000	31.20	20.64	51.84	74.00	-22.16	peak
6	17940.000	25.46	26.86	52.32	74.00	-21.68	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

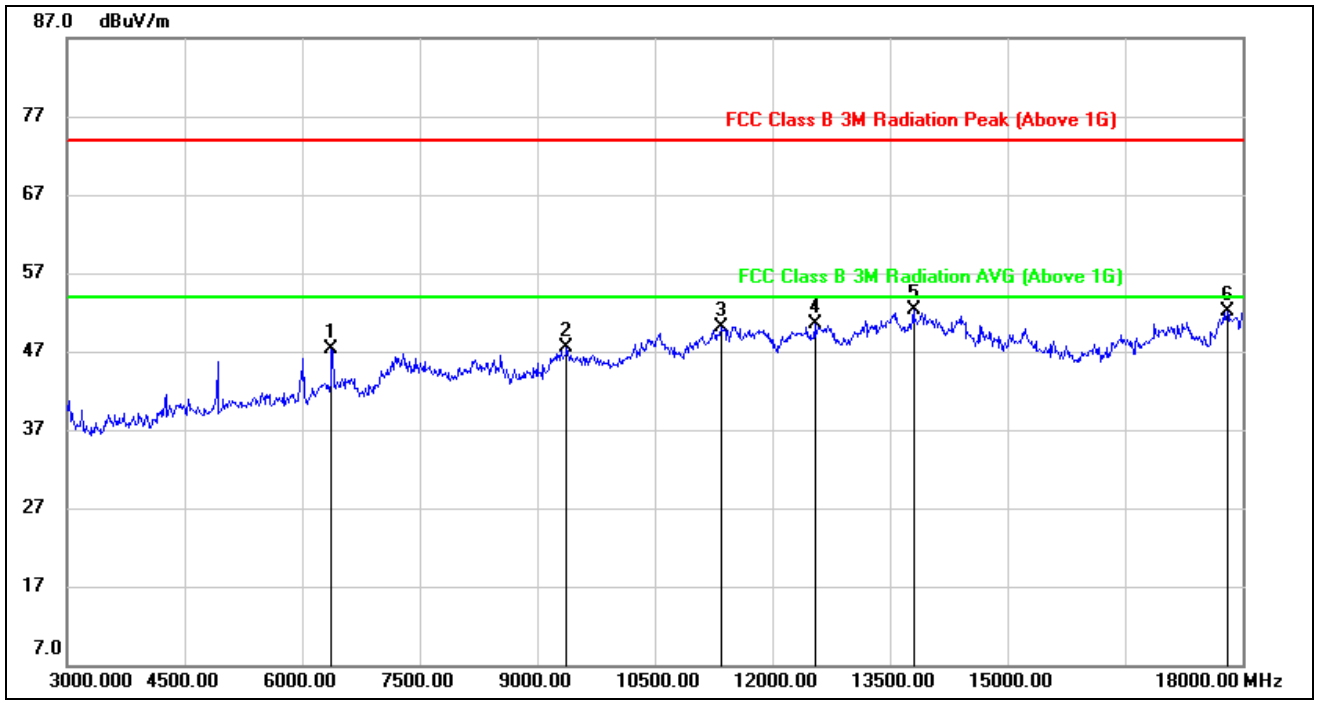
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1006.000	58.92	-14.00	44.92	74.00	-29.08	peak
2	1328.000	57.47	-12.51	44.96	74.00	-29.04	peak
3	2124.000	55.10	-9.36	45.74	74.00	-28.26	peak
4	2362.000	50.96	-7.74	43.22	74.00	-30.78	peak
5	2548.000	50.62	-8.26	42.36	74.00	-31.64	peak
6	2626.000	50.31	-8.03	42.28	74.00	-31.72	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6375.000	42.51	4.70	47.21	74.00	-26.79	peak
2	9375.000	36.63	10.88	47.51	74.00	-26.49	peak
3	11355.000	34.60	15.54	50.14	74.00	-23.86	peak
4	12540.000	33.54	16.90	50.44	74.00	-23.56	peak
5	13800.000	31.11	21.21	52.32	74.00	-21.68	peak
6	17805.000	25.32	26.80	52.12	74.00	-21.88	peak

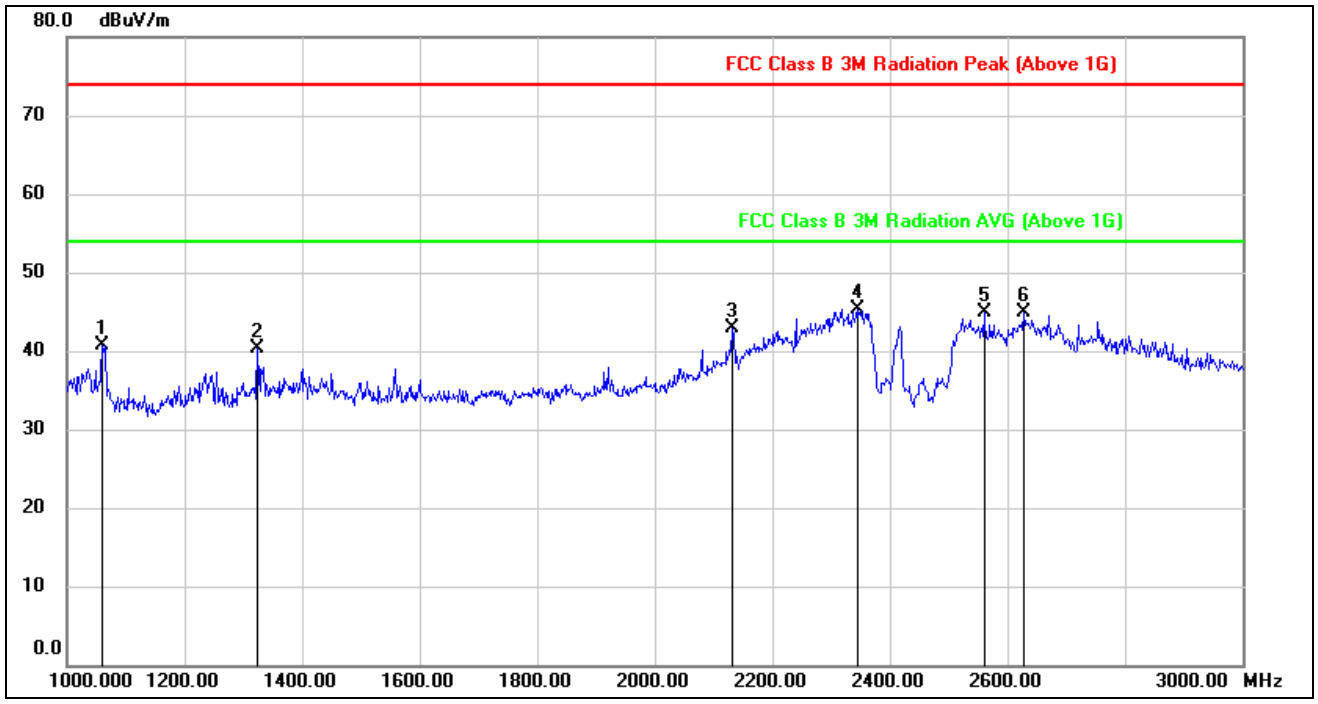
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

9.3.2. 802.11g MODE

SISO MODE ANTENNA B (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL , HORIZONTAL)

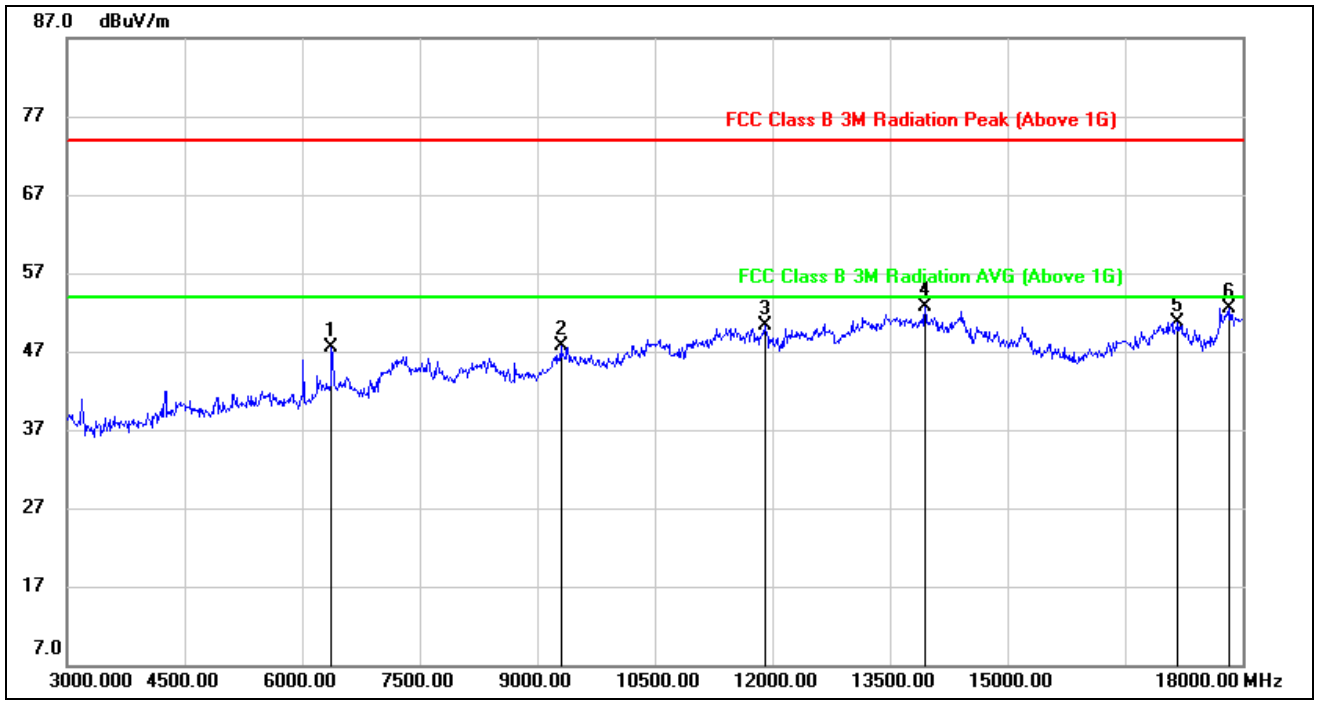
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1060.000	54.27	-13.62	40.65	74.00	-33.35	peak
2	1324.000	52.69	-12.38	40.31	74.00	-33.69	peak
3	2132.000	51.99	-9.16	42.83	74.00	-31.17	peak
4	2344.000	52.98	-7.71	45.27	74.00	-28.73	peak
5	2560.000	53.15	-8.31	44.84	74.00	-29.16	peak
6	2628.000	52.91	-7.97	44.94	74.00	-29.06	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

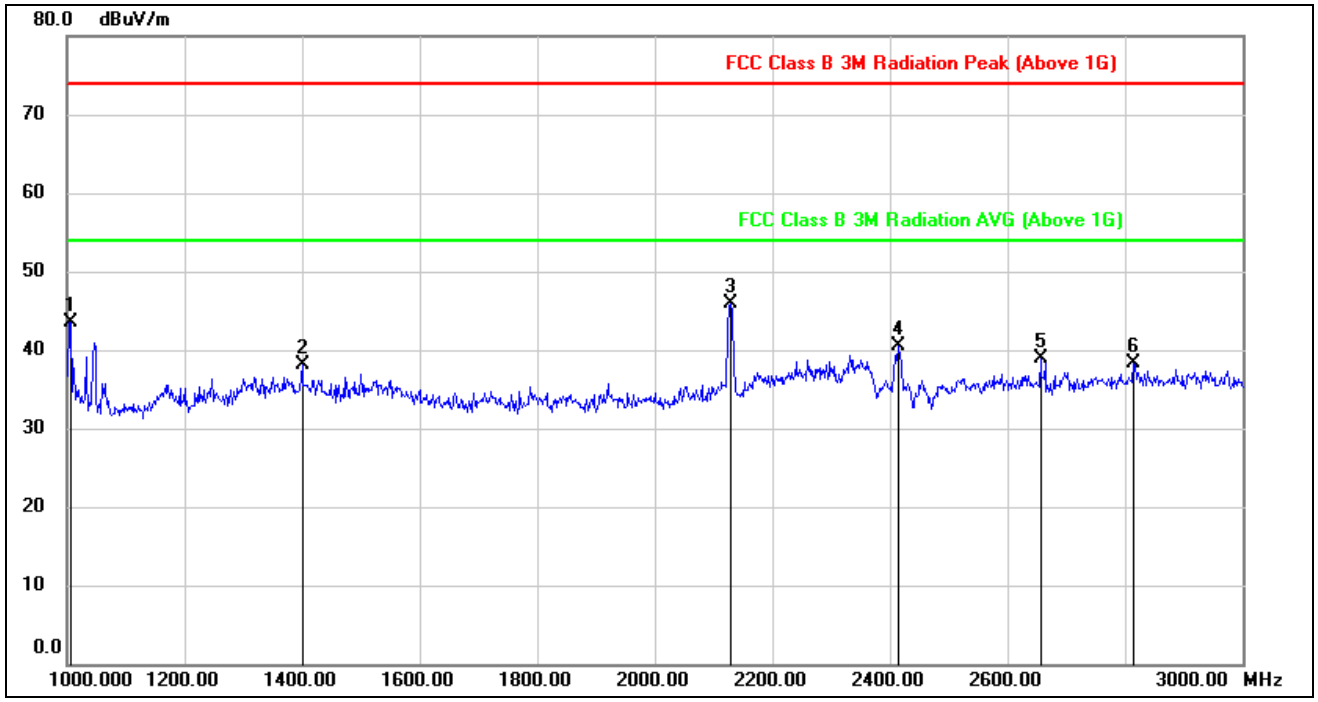


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6375.000	42.86	4.65	47.51	74.00	-26.49	peak
2	9300.000	37.04	10.66	47.70	74.00	-26.30	peak
3	11910.000	33.35	16.98	50.33	74.00	-23.67	peak
4	13950.000	31.96	20.68	52.64	74.00	-21.36	peak
5	17175.000	28.06	22.73	50.79	74.00	-23.21	peak
6	17835.000	26.00	26.49	52.49	74.00	-21.51	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

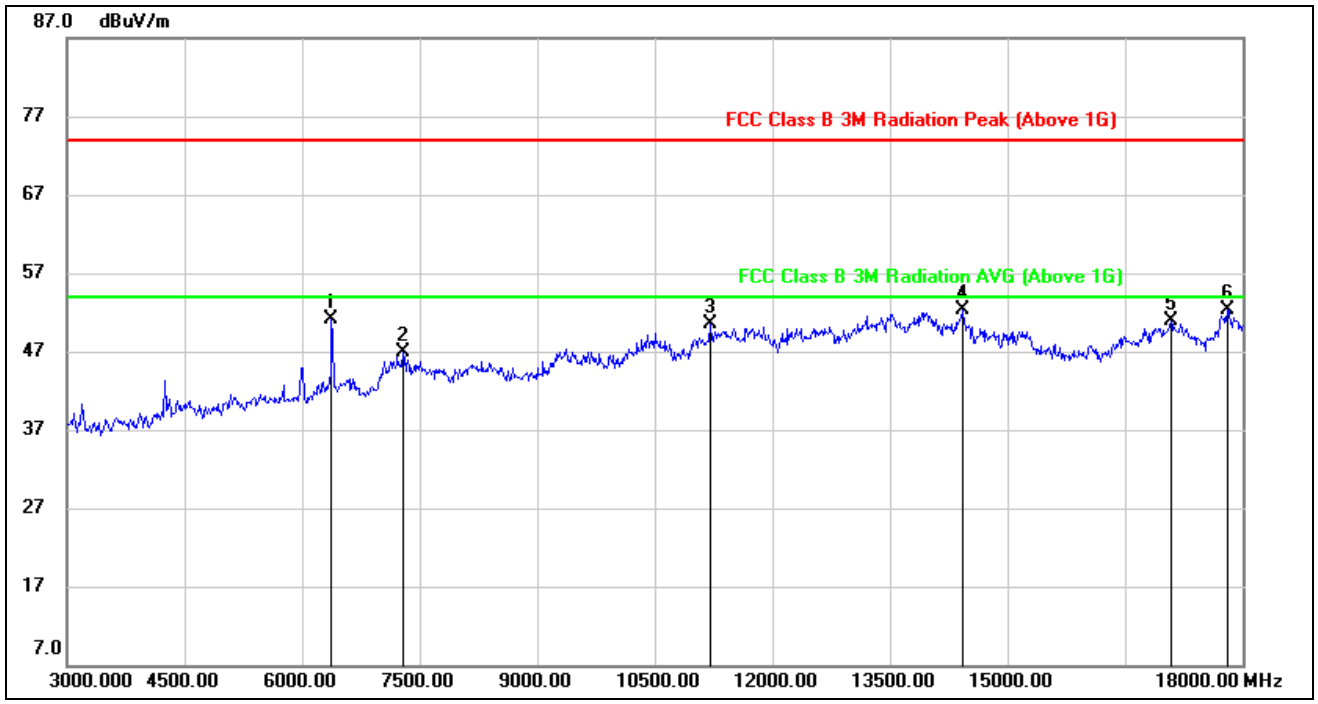
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1006.000	57.51	-14.00	43.51	74.00	-30.49	peak
2	1400.000	50.55	-12.46	38.09	74.00	-35.91	peak
3	2128.000	55.18	-9.31	45.87	74.00	-28.13	peak
4	2414.000	48.55	-8.06	40.49	74.00	-33.51	peak
5	2656.000	46.84	-7.91	38.93	74.00	-35.07	peak
6	2814.000	45.20	-6.88	38.32	74.00	-35.68	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

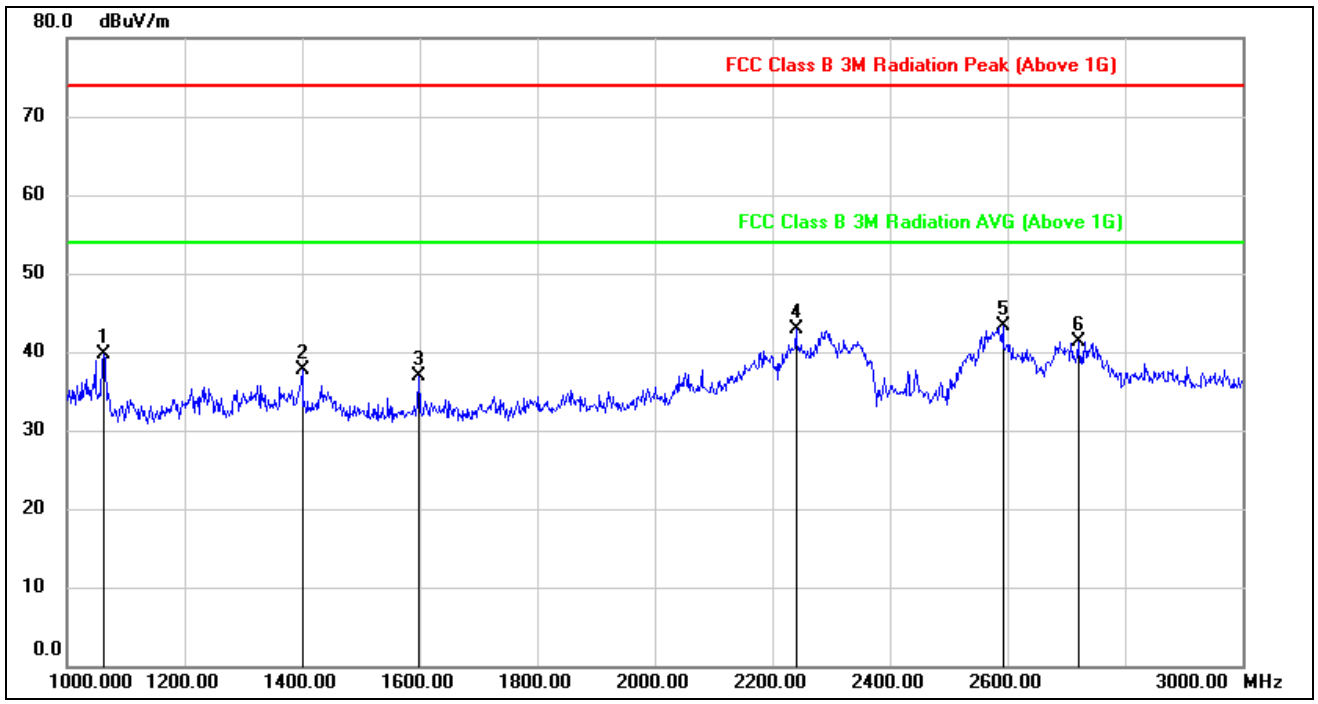


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6375.000	46.42	4.70	51.12	74.00	-22.88	peak
2	7290.000	39.11	7.84	46.95	74.00	-27.05	peak
3	11205.000	35.15	15.40	50.55	74.00	-23.45	peak
4	14430.000	32.28	19.97	52.25	74.00	-21.75	peak
5	17085.000	28.06	22.79	50.85	74.00	-23.15	peak
6	17805.000	25.56	26.80	52.36	74.00	-21.64	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HRIZONTAL)

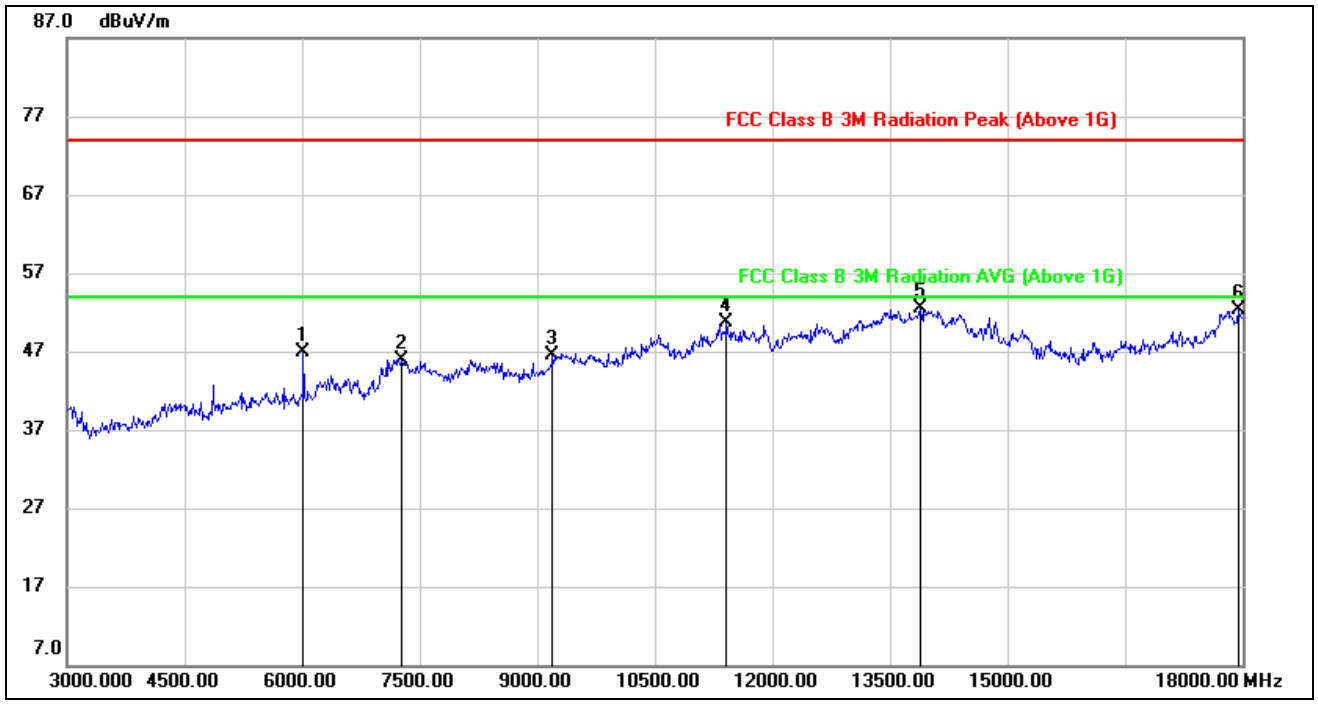
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1062.000	53.23	-13.62	39.61	74.00	-34.39	peak
2	1400.000	49.84	-12.06	37.78	74.00	-36.22	peak
3	1598.000	48.89	-12.07	36.82	74.00	-37.18	peak
4	2240.000	50.64	-7.73	42.91	74.00	-31.09	peak
5	2592.000	51.47	-8.14	43.33	74.00	-30.67	peak
6	2720.000	48.78	-7.45	41.33	74.00	-32.67	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

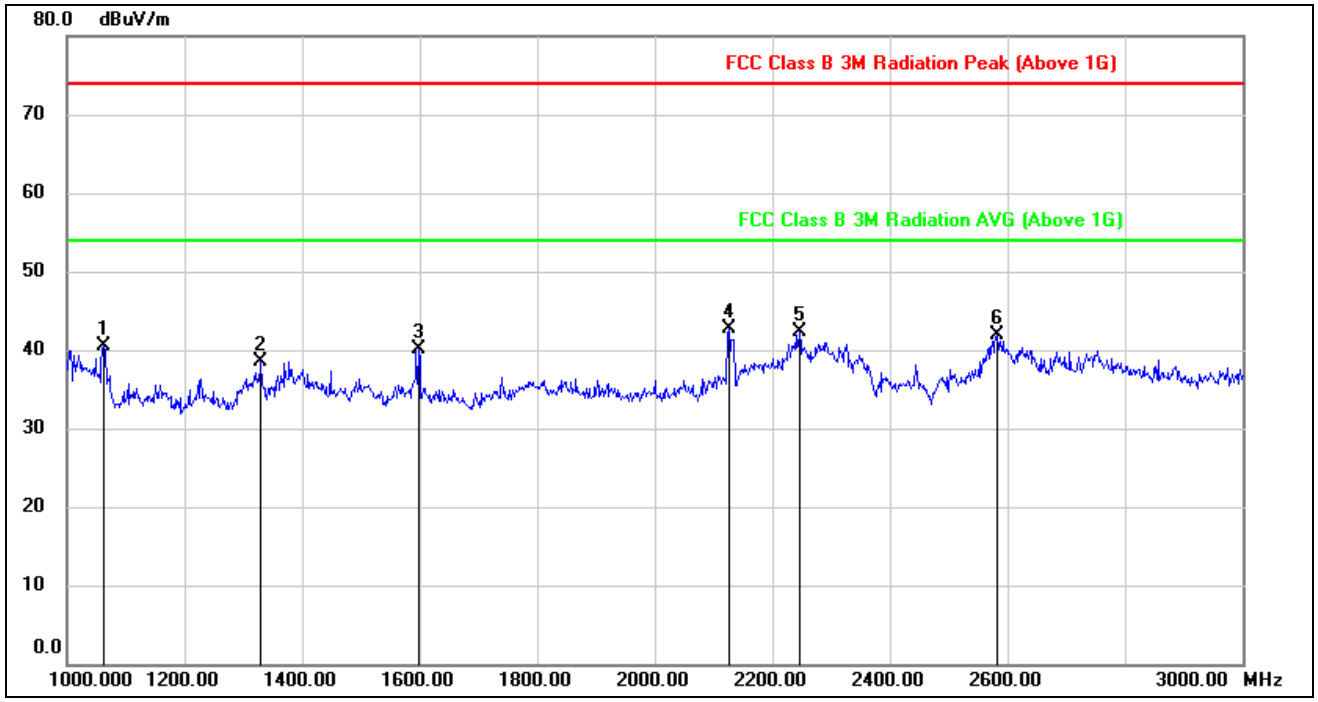


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6015.000	43.64	3.25	46.89	74.00	-27.11	peak
2	7260.000	38.12	7.86	45.98	74.00	-28.02	peak
3	9195.000	36.30	10.19	46.49	74.00	-27.51	peak
4	11415.000	34.87	15.76	50.63	74.00	-23.37	peak
5	13890.000	31.74	20.67	52.41	74.00	-21.59	peak
6	17940.000	25.39	26.86	52.25	74.00	-21.75	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

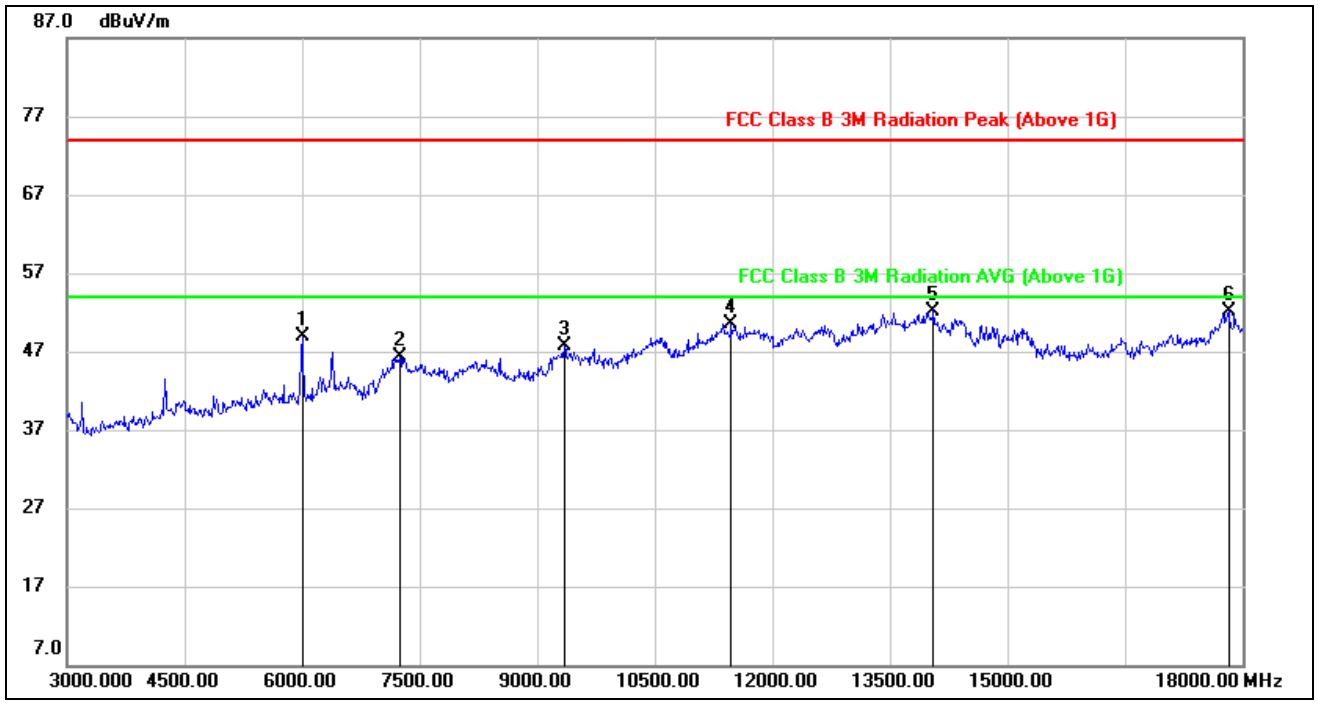
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1062.000	54.49	-13.92	40.57	74.00	-33.43	peak
2	1330.000	50.99	-12.50	38.49	74.00	-35.51	peak
3	1598.000	52.09	-12.06	40.03	74.00	-33.97	peak
4	2126.000	52.10	-9.34	42.76	74.00	-31.24	peak
5	2246.000	49.94	-7.65	42.29	74.00	-31.71	peak
6	2582.000	50.05	-8.17	41.88	74.00	-32.12	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

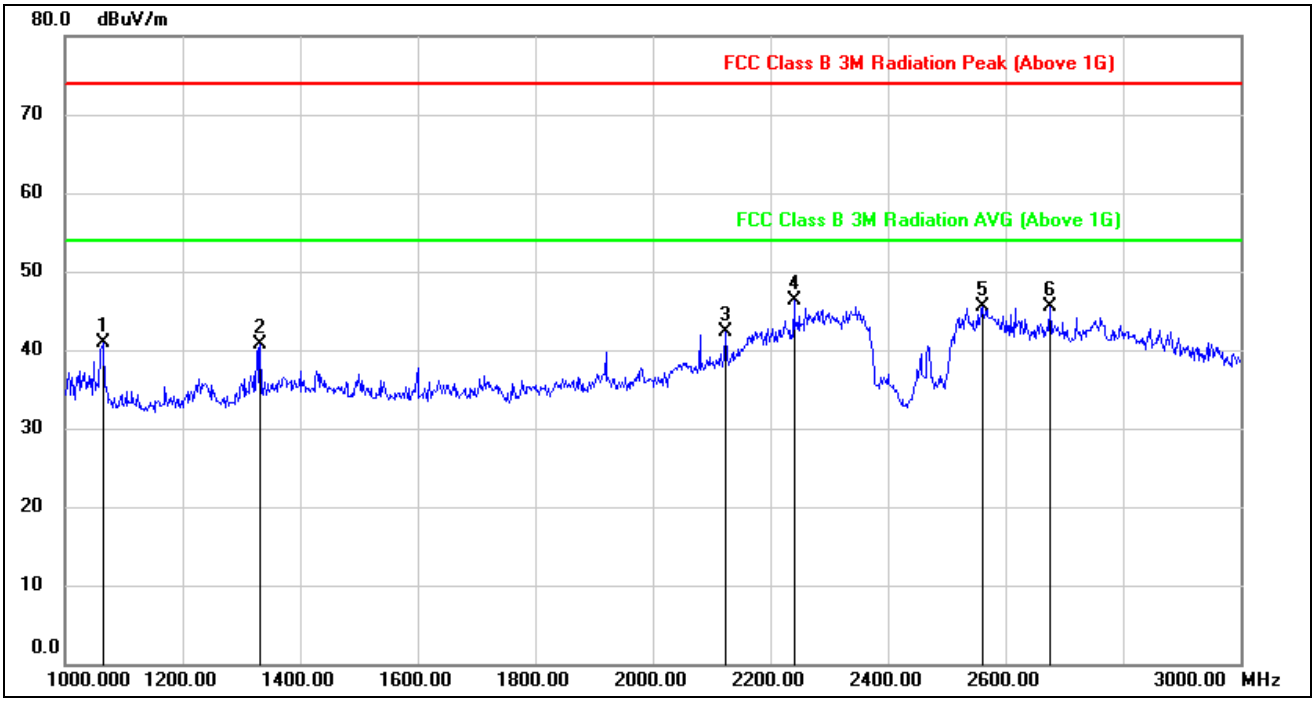


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6000.000	45.54	3.32	48.86	74.00	-25.14	peak
2	7245.000	38.53	7.76	46.29	74.00	-27.71	peak
3	9345.000	36.82	10.93	47.75	74.00	-26.25	peak
4	11475.000	34.69	15.85	50.54	74.00	-23.46	peak
5	14055.000	31.65	20.55	52.20	74.00	-21.80	peak
6	17820.000	25.64	26.56	52.20	74.00	-21.80	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

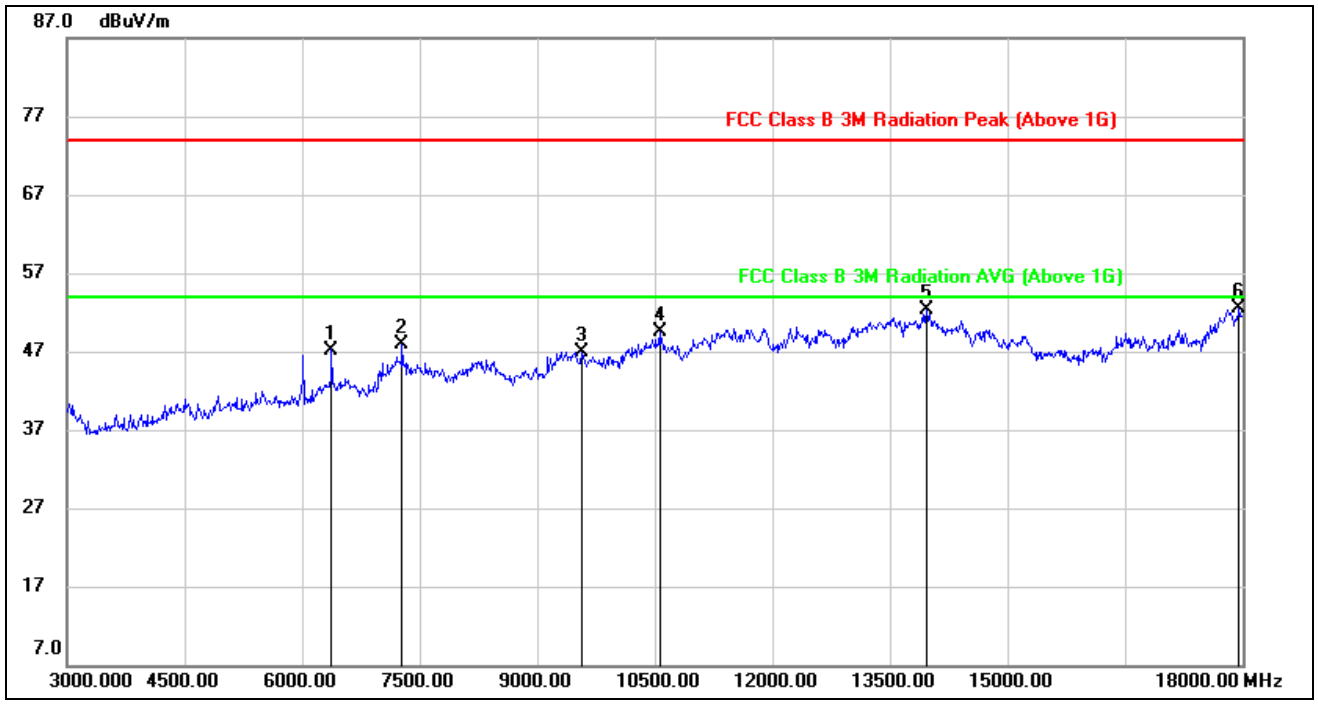
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1066.000	54.46	-13.62	40.84	74.00	-33.16	peak
2	1332.000	53.12	-12.37	40.75	74.00	-33.25	peak
3	2124.000	51.56	-9.26	42.30	74.00	-31.70	peak
4	2240.000	54.02	-7.73	46.29	74.00	-27.71	peak
5	2560.000	53.80	-8.31	45.49	74.00	-28.51	peak
6	2676.000	53.18	-7.72	45.46	74.00	-28.54	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

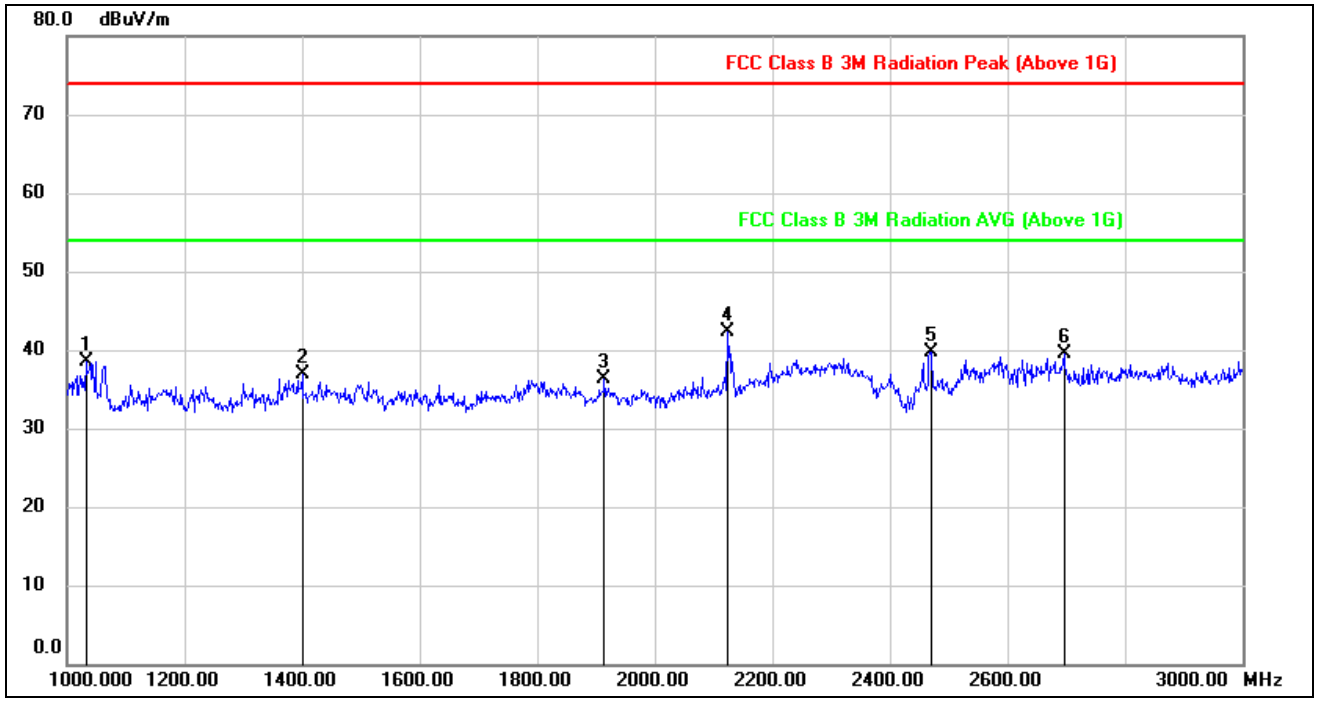


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6375.000	42.55	4.65	47.20	74.00	-26.80	peak
2	7275.000	39.99	7.86	47.85	74.00	-26.15	peak
3	9570.000	35.81	11.16	46.97	74.00	-27.03	peak
4	10560.000	35.82	13.76	49.58	74.00	-24.42	peak
5	13965.000	31.58	20.66	52.24	74.00	-21.76	peak
6	17955.000	25.44	27.03	52.47	74.00	-21.53	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

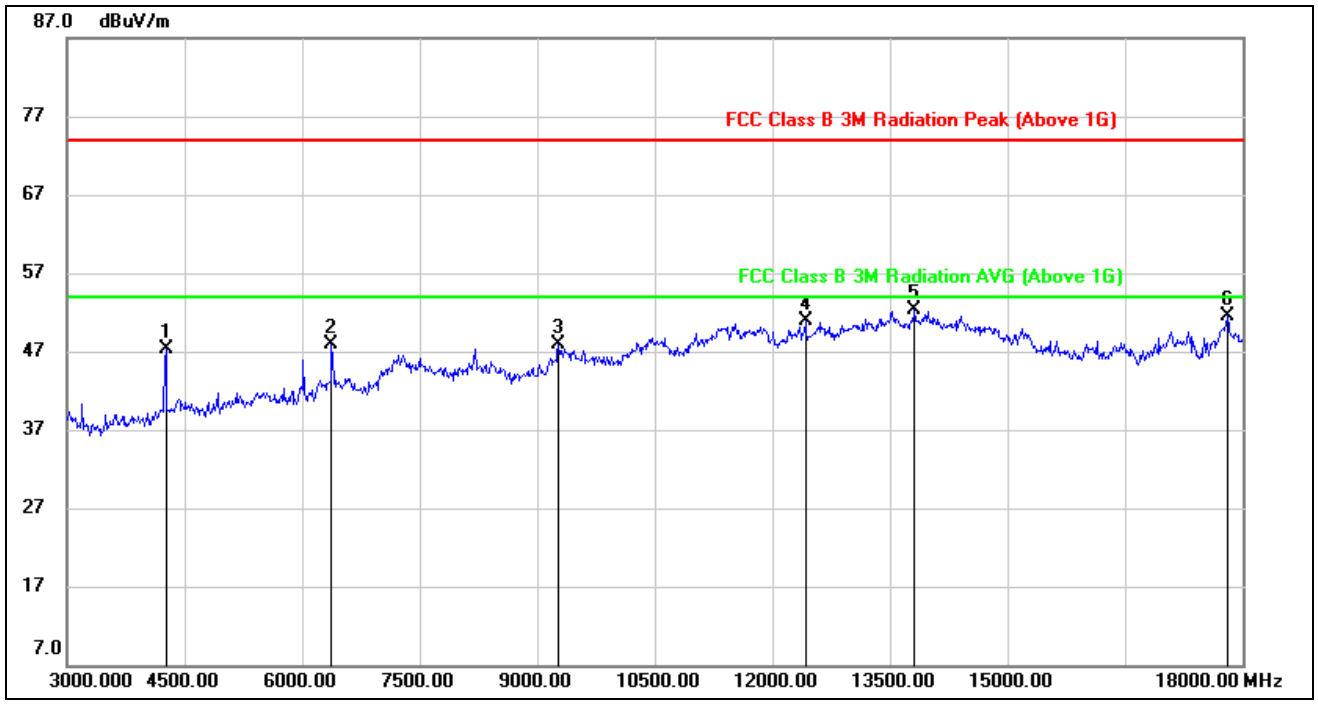
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1032.000	52.50	-13.96	38.54	74.00	-35.46	peak
2	1400.000	49.32	-12.46	36.86	74.00	-37.14	peak
3	1914.000	47.21	-10.82	36.39	74.00	-37.61	peak
4	2124.000	51.59	-9.36	42.23	74.00	-31.77	peak
5	2470.000	48.02	-8.27	39.75	74.00	-34.25	peak
6	2696.000	47.05	-7.62	39.43	74.00	-34.57	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4260.000	49.10	-1.80	47.30	74.00	-26.70	peak
2	6375.000	43.18	4.70	47.88	74.00	-26.12	peak
3	9270.000	37.33	10.63	47.96	74.00	-26.04	peak
4	12420.000	34.23	16.61	50.84	74.00	-23.16	peak
5	13815.000	31.10	21.12	52.22	74.00	-21.78	peak
6	17805.000	24.72	26.80	51.52	74.00	-22.48	peak

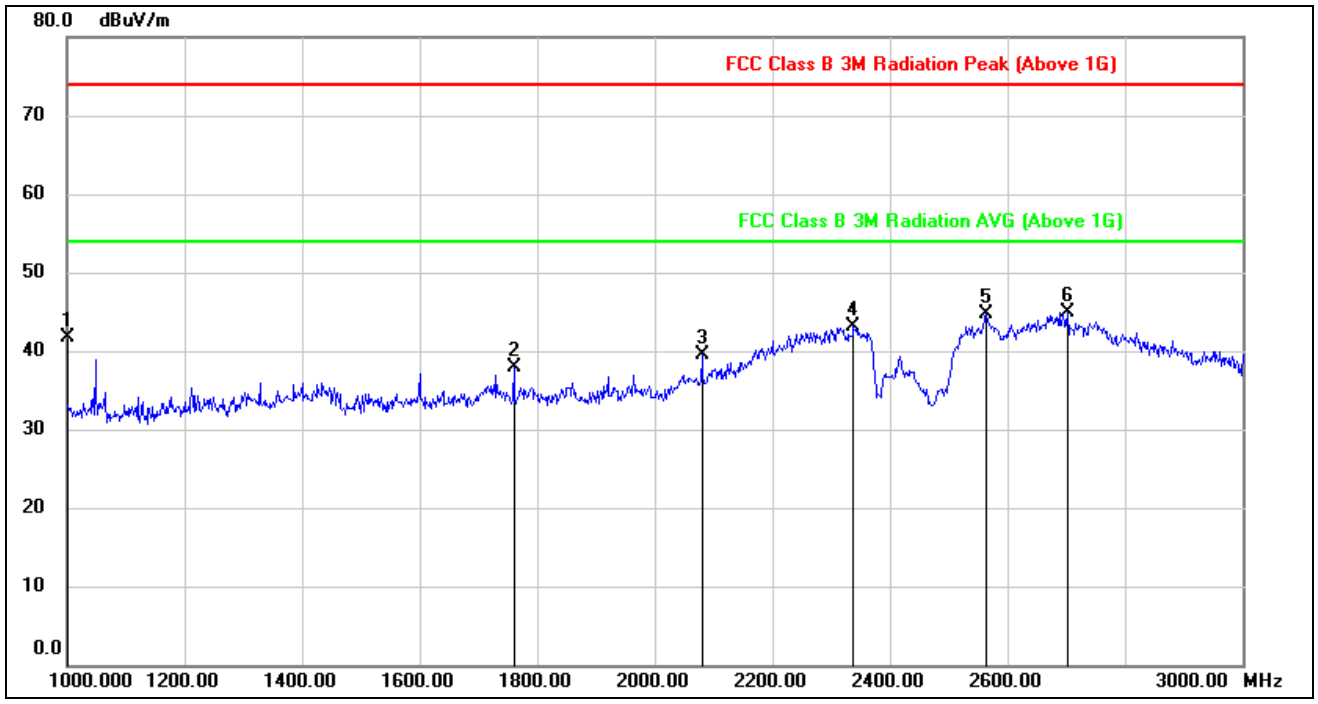
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

9.3.3. 802.11n HT20 MODE

MIMO CDD MODE

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

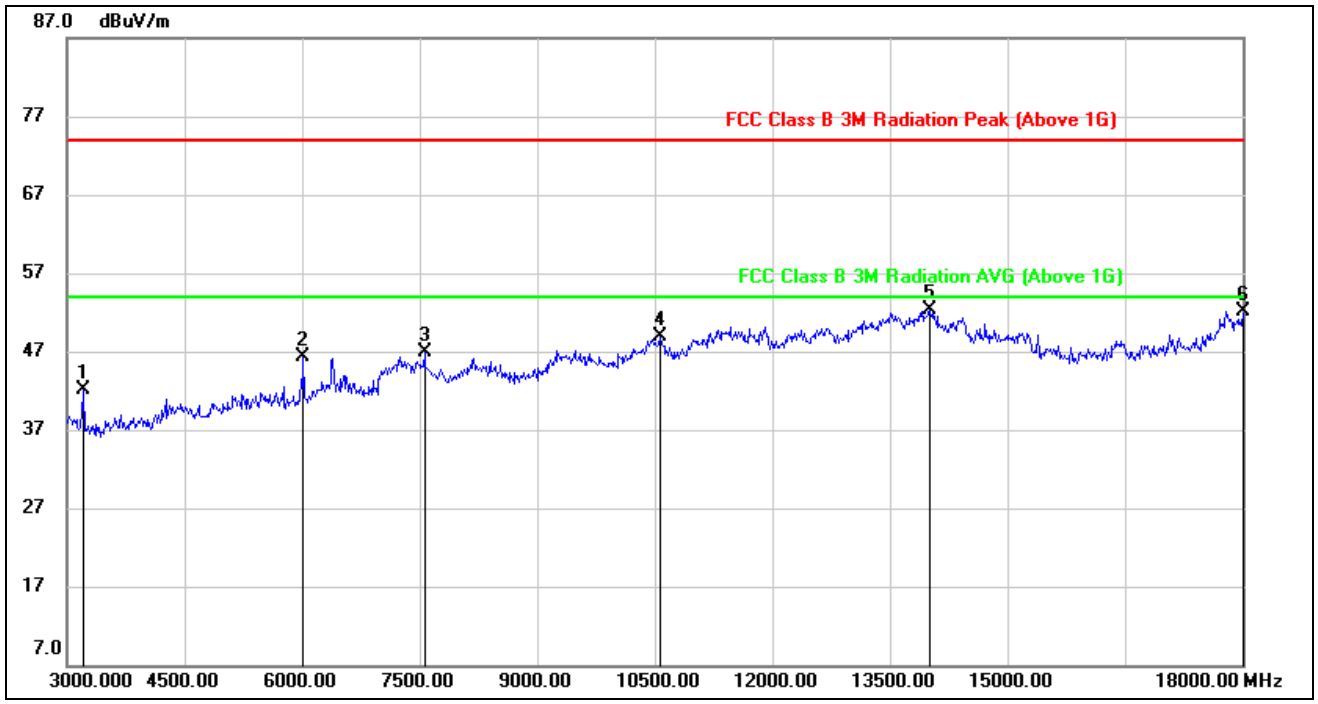
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1000.0000	55.97	-14.21	41.76	74.00	-32.24	peak
2	1760.000	49.07	-11.25	37.82	74.00	-36.18	peak
3	2080.000	49.30	-9.82	39.48	74.00	-34.52	peak
4	2338.000	50.78	-7.66	43.12	74.00	-30.88	peak
5	2564.000	53.05	-8.28	44.77	74.00	-29.23	peak
6	2702.000	52.48	-7.59	44.89	74.00	-29.11	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

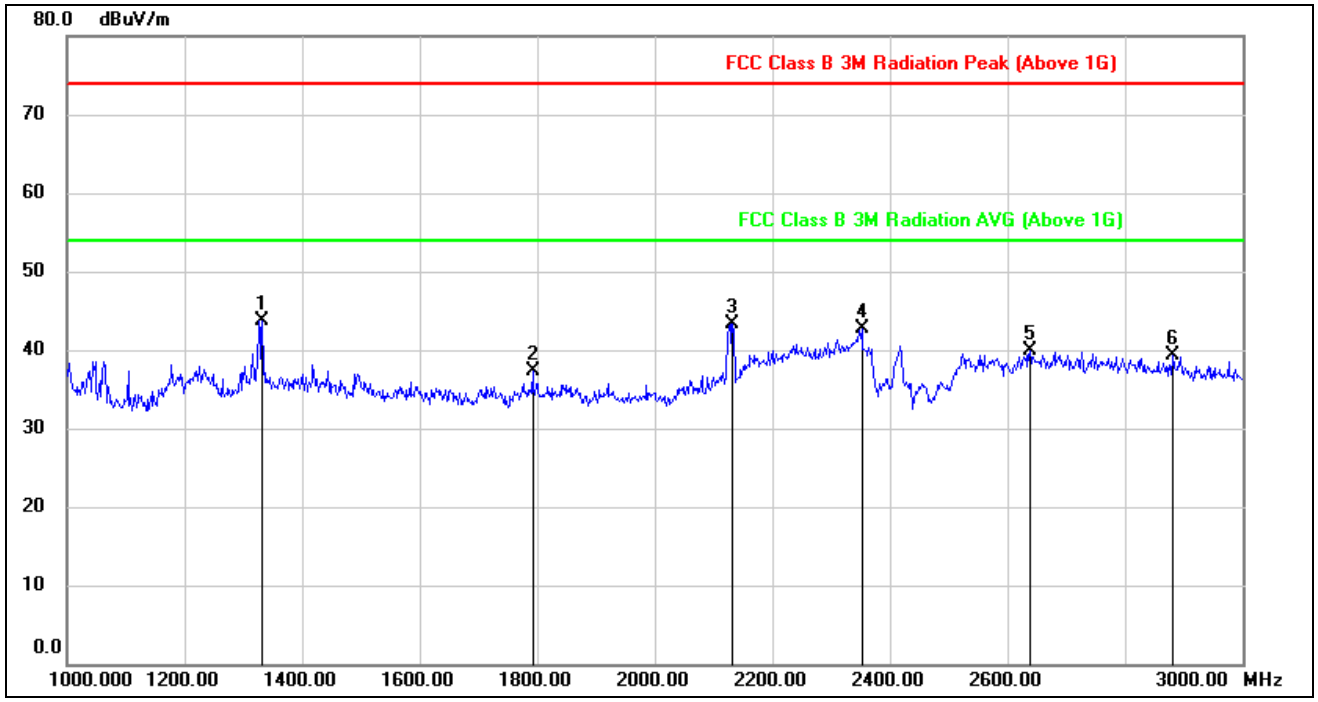


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3210.000	46.79	-4.74	42.05	74.00	-31.95	peak
2	6015.000	42.98	3.25	46.23	74.00	-27.77	peak
3	7560.000	38.69	8.18	46.87	74.00	-27.13	peak
4	10560.000	35.10	13.76	48.86	74.00	-25.14	peak
5	14010.000	31.66	20.61	52.27	74.00	-21.73	peak
6	18000.000	25.10	27.06	52.16	74.00	-21.84	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

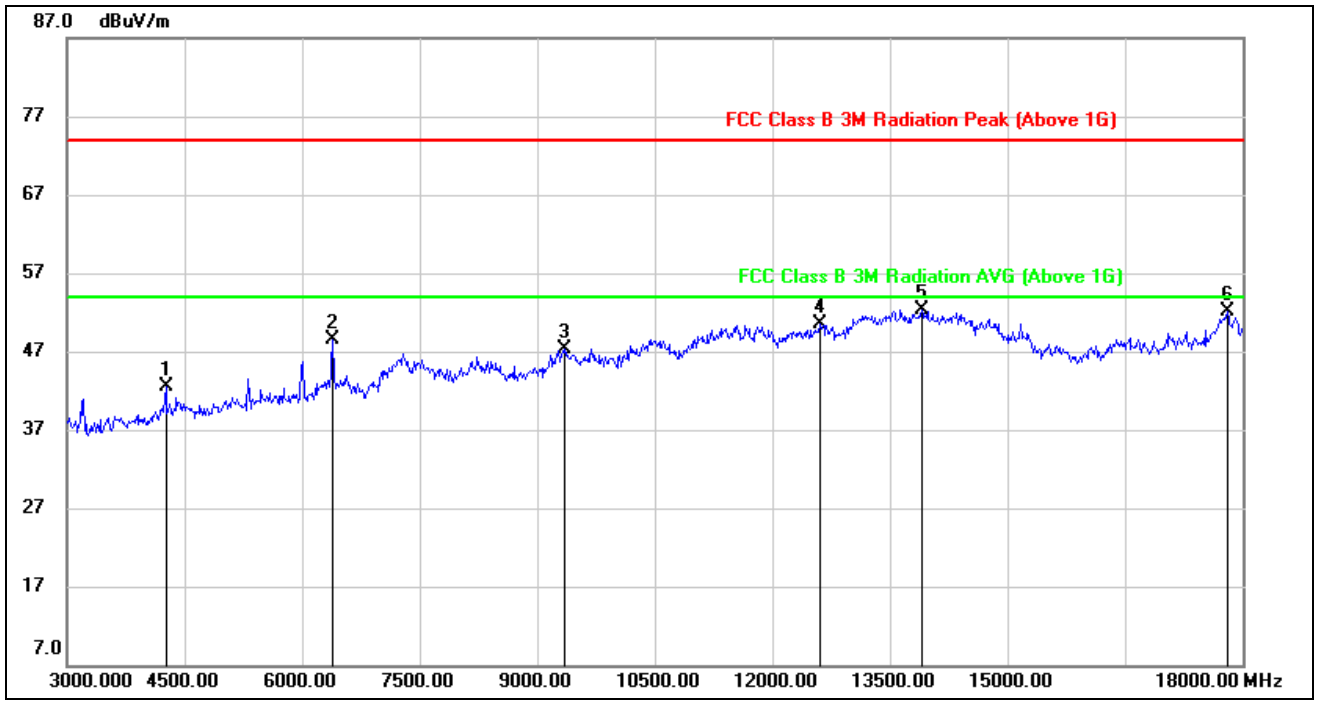
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1332.000	56.25	-12.48	43.77	74.00	-30.23	peak
2	1792.000	48.45	-11.16	37.29	74.00	-36.71	peak
3	2132.000	52.65	-9.26	43.39	74.00	-30.61	peak
4	2352.000	50.40	-7.66	42.74	74.00	-31.26	peak
5	2638.000	47.87	-7.99	39.88	74.00	-34.12	peak
6	2882.000	45.80	-6.59	39.21	74.00	-34.79	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

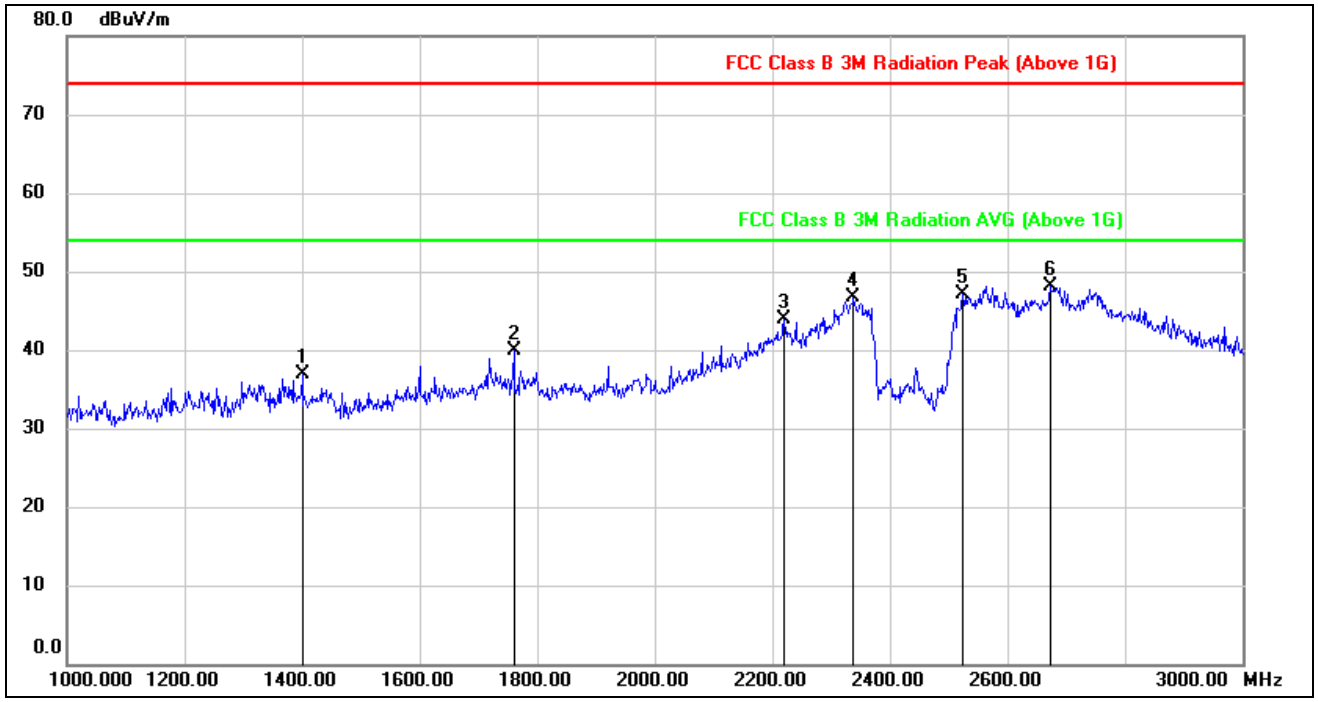


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4260.000	44.21	-1.80	42.41	74.00	-31.59	peak
2	6390.000	43.79	4.73	48.52	74.00	-25.48	peak
3	9345.000	36.32	10.93	47.25	74.00	-26.75	peak
4	12615.000	33.09	17.39	50.48	74.00	-23.52	peak
5	13905.000	31.41	20.84	52.25	74.00	-21.75	peak
6	17805.000	25.27	26.80	52.07	74.00	-21.93	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

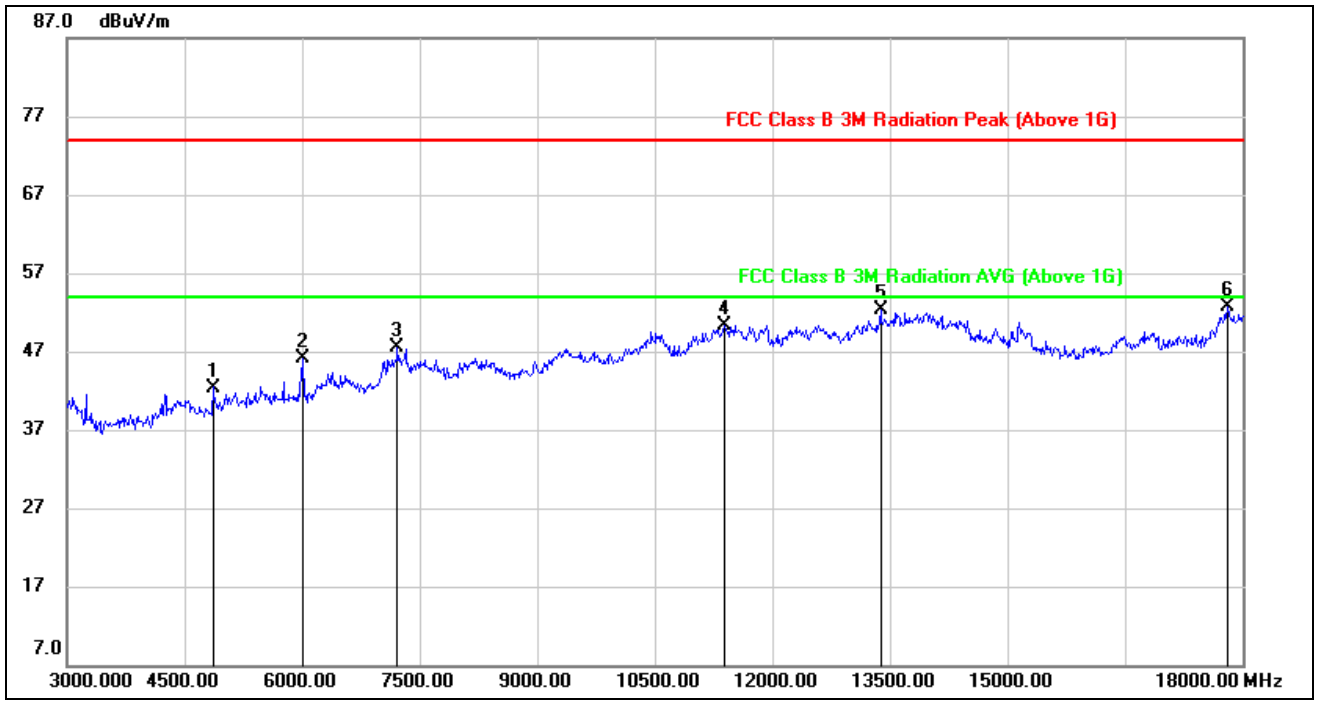
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1400.000	48.95	-12.06	36.89	74.00	-37.11	peak
2	1760.000	51.18	-11.25	39.93	74.00	-34.07	peak
3	2220.000	51.95	-8.01	43.94	74.00	-30.06	peak
4	2338.000	54.37	-7.66	46.71	74.00	-27.29	peak
5	2524.000	55.51	-8.38	47.13	74.00	-26.87	peak
6	2672.000	55.91	-7.74	48.17	74.00	-25.83	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

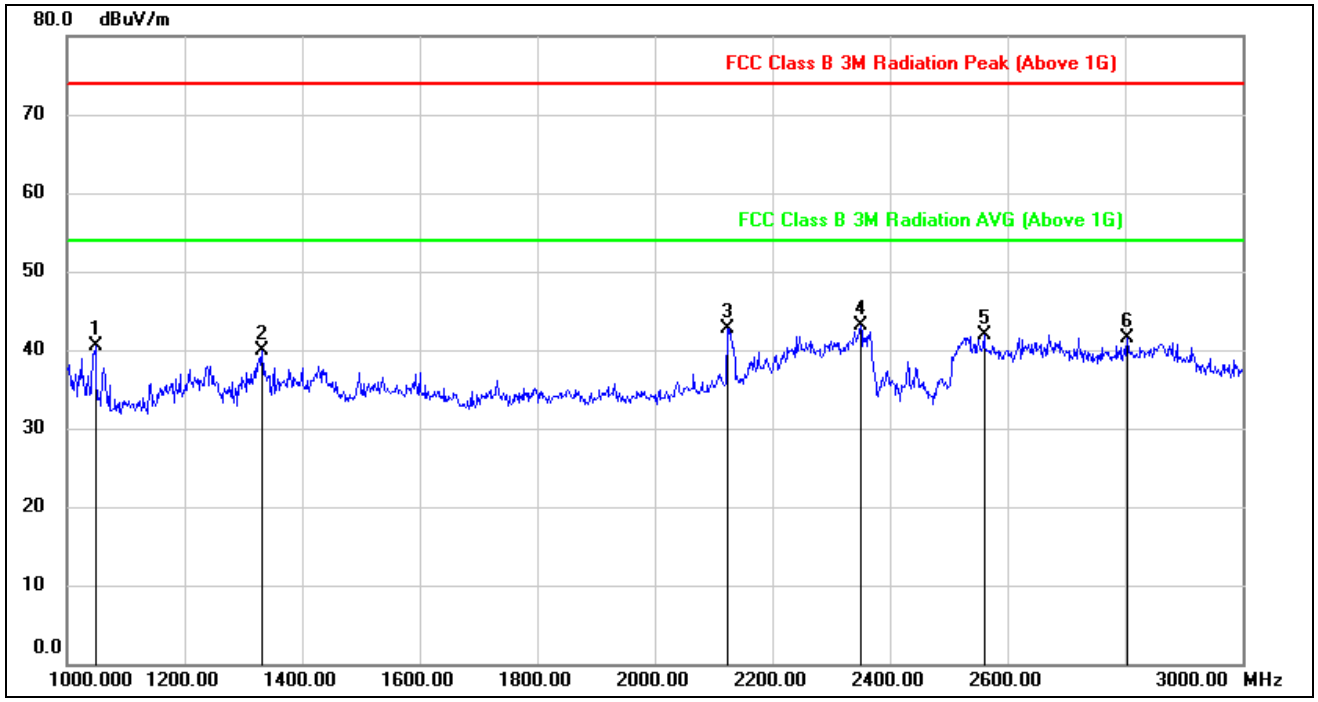


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4860.000	42.20	0.20	42.40	74.00	-31.60	peak
2	6015.000	42.90	3.25	46.15	74.00	-27.85	peak
3	7215.000	39.63	7.78	47.41	74.00	-26.59	peak
4	11385.000	34.79	15.46	50.25	74.00	-23.75	peak
5	13380.000	32.92	19.39	52.31	74.00	-21.69	peak
6	17805.000	26.15	26.48	52.63	74.00	-21.37	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

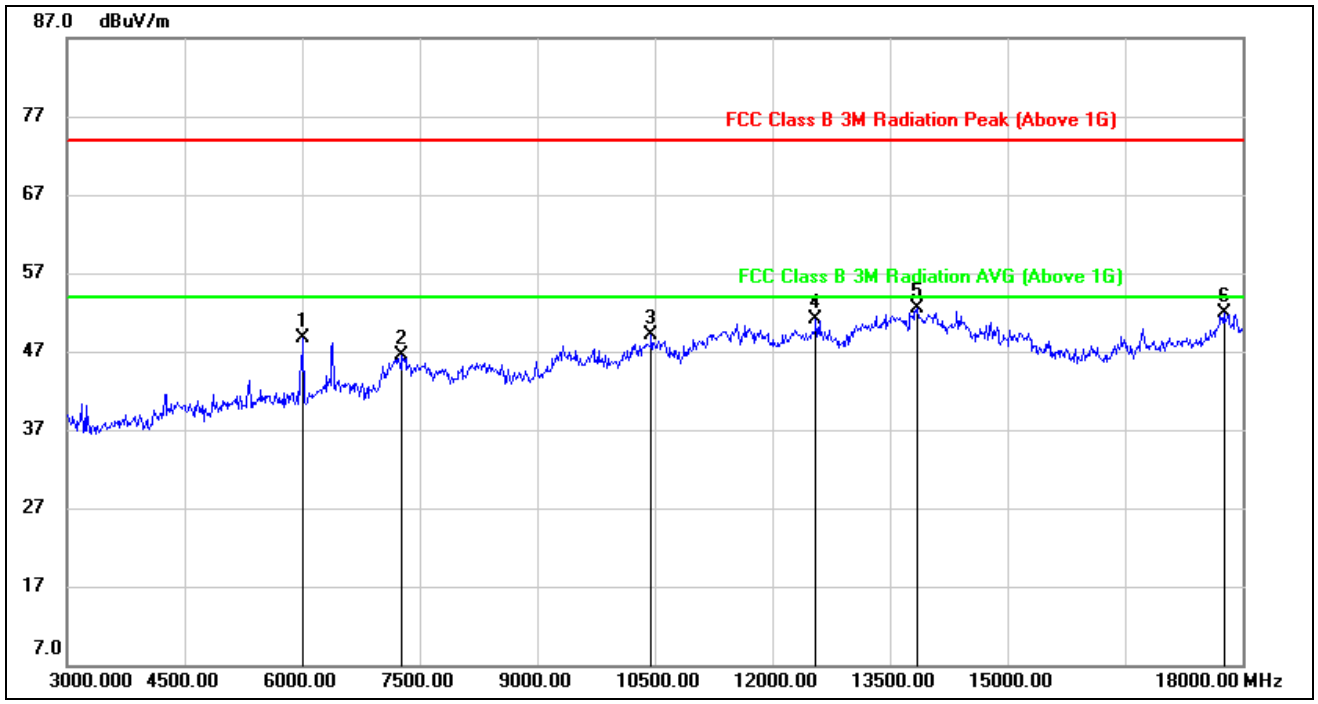
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1048.000	54.41	-13.93	40.48	74.00	-33.52	peak
2	1332.000	52.34	-12.48	39.86	74.00	-34.14	peak
3	2124.000	52.09	-9.36	42.73	74.00	-31.27	peak
4	2350.000	50.73	-7.65	43.08	74.00	-30.92	peak
5	2560.000	50.23	-8.23	42.00	74.00	-32.00	peak
6	2804.000	48.48	-6.94	41.54	74.00	-32.46	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

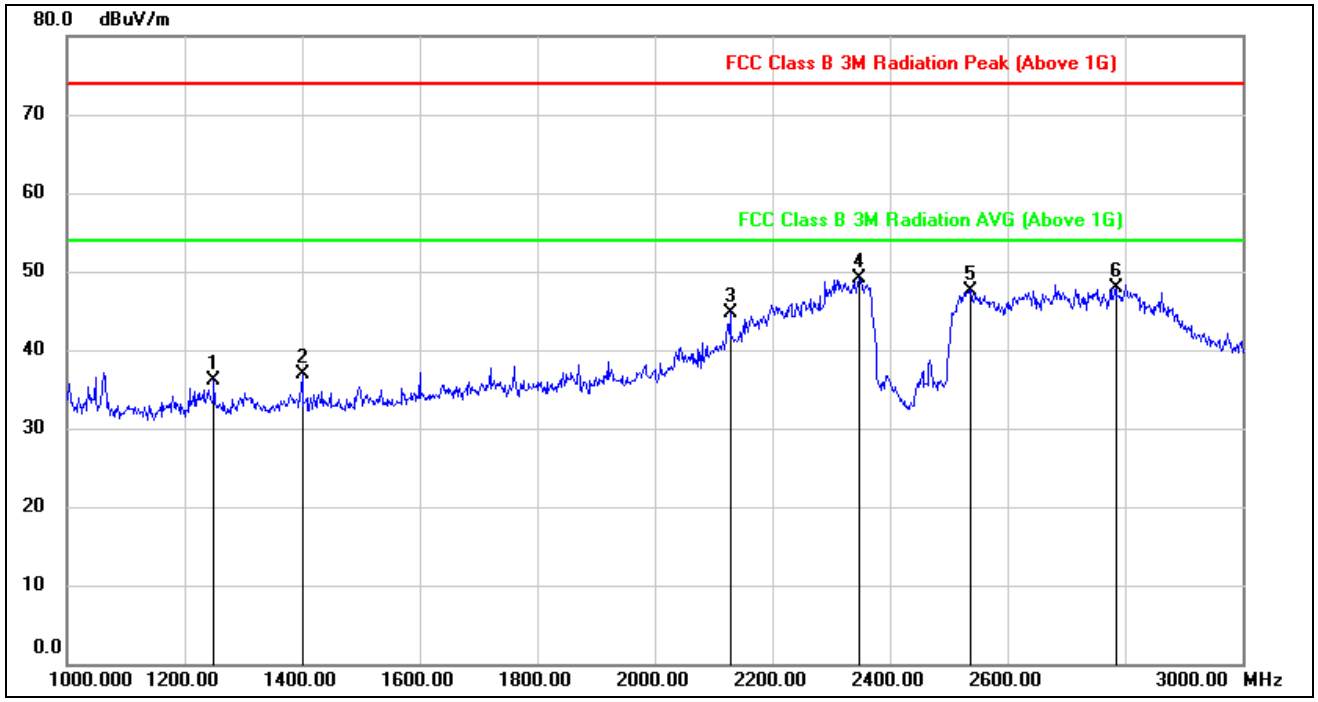


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6015.000	45.28	3.35	48.63	74.00	-25.37	peak
2	7275.000	38.69	7.81	46.50	74.00	-27.50	peak
3	10455.000	35.48	13.54	49.02	74.00	-24.98	peak
4	12555.000	34.07	17.01	51.08	74.00	-22.92	peak
5	13845.000	31.49	20.95	52.44	74.00	-21.56	peak
6	17760.000	25.55	26.39	51.94	74.00	-22.06	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

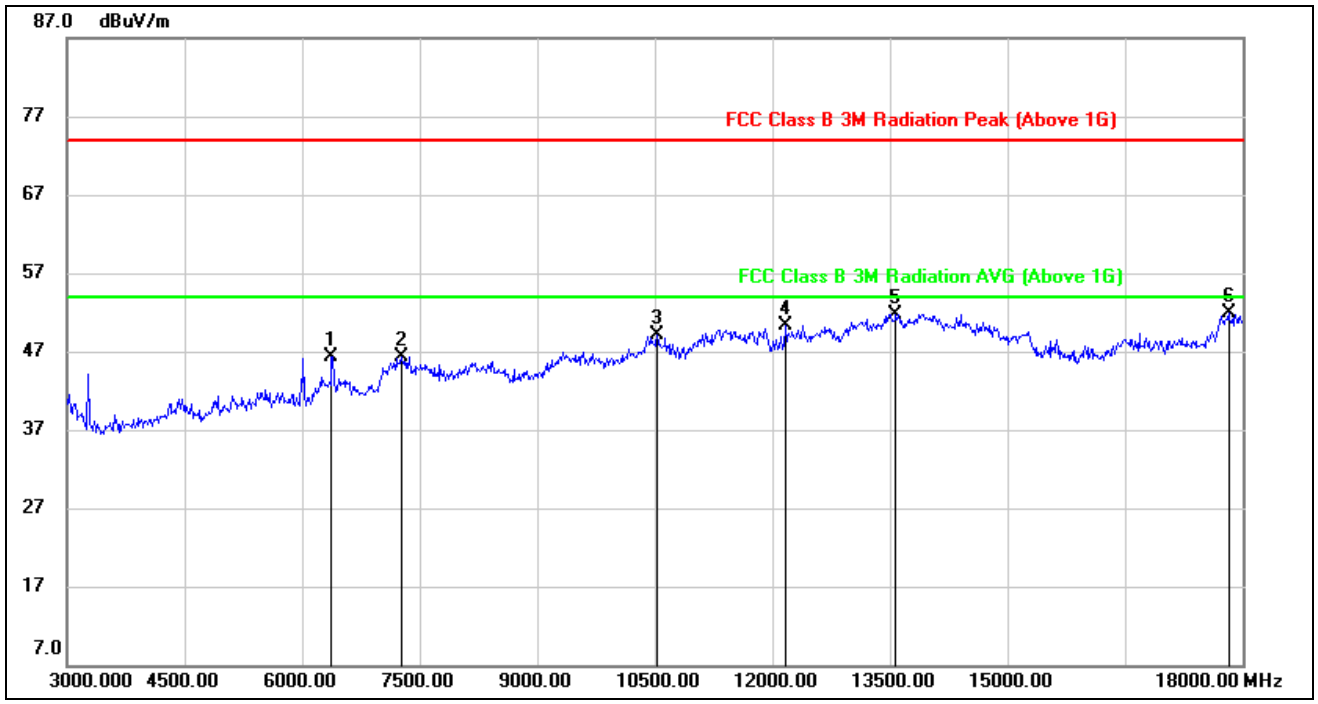
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1250.000	48.90	-12.82	36.08	74.00	-37.92	peak
2	1400.000	48.95	-12.06	36.89	74.00	-37.11	peak
3	2128.000	53.90	-9.21	44.69	74.00	-29.31	peak
4	2348.000	56.77	-7.74	49.03	74.00	-24.97	peak
5	2538.000	55.96	-8.36	47.60	74.00	-26.40	peak
6	2784.000	55.01	-7.04	47.97	74.00	-26.03	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

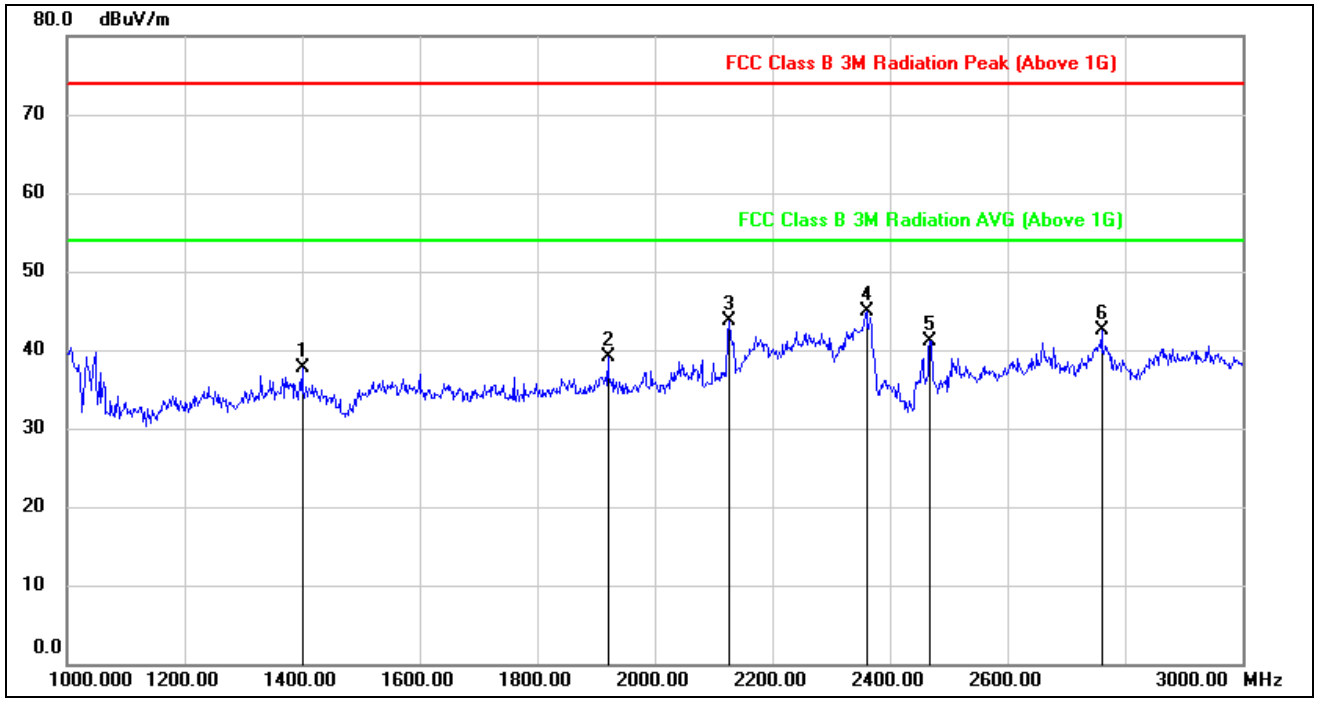


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6375.000	41.58	4.65	46.23	74.00	-27.77	peak
2	7260.000	38.43	7.86	46.29	74.00	-27.71	peak
3	10530.000	35.37	13.76	49.13	74.00	-24.87	peak
4	12165.000	34.28	16.02	50.30	74.00	-23.70	peak
5	13575.000	31.37	20.43	51.80	74.00	-22.20	peak
6	17820.000	25.47	26.48	51.95	74.00	-22.05	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

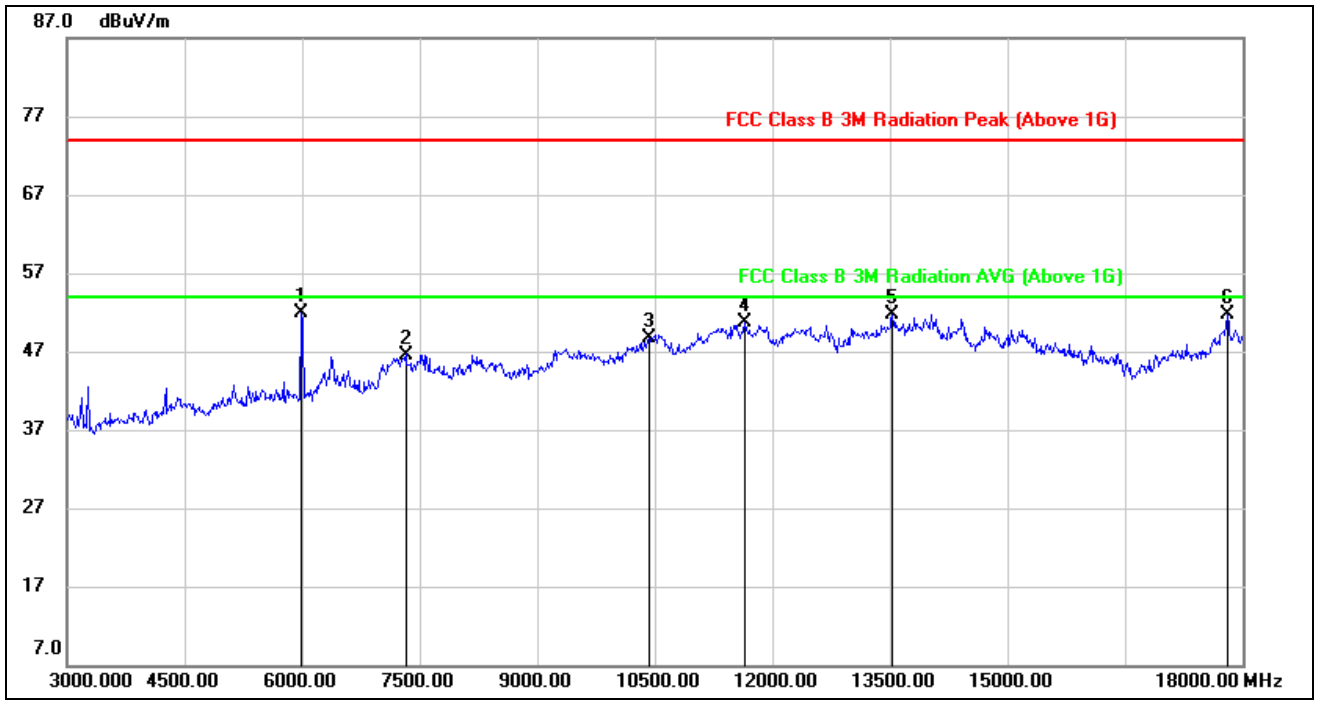
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1400.000	50.19	-12.46	37.73	74.00	-36.27	peak
2	1920.000	49.92	-10.82	39.10	74.00	-34.90	peak
3	2126.000	52.98	-9.34	43.64	74.00	-30.36	peak
4	2360.000	52.69	-7.72	44.97	74.00	-29.03	peak
5	2468.000	49.43	-8.28	41.15	74.00	-32.85	peak
6	2760.000	49.85	-7.26	42.59	74.00	-31.41	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5985.000	48.57	3.28	51.85	74.00	-22.15	peak
2	7320.000	38.93	7.67	46.60	74.00	-27.40	peak
3	10425.000	35.32	13.35	48.67	74.00	-25.33	peak
4	11640.000	34.53	16.17	50.70	74.00	-23.30	peak
5	13530.000	30.83	20.78	51.61	74.00	-22.39	peak
6	17805.000	24.94	26.80	51.74	74.00	-22.26	peak

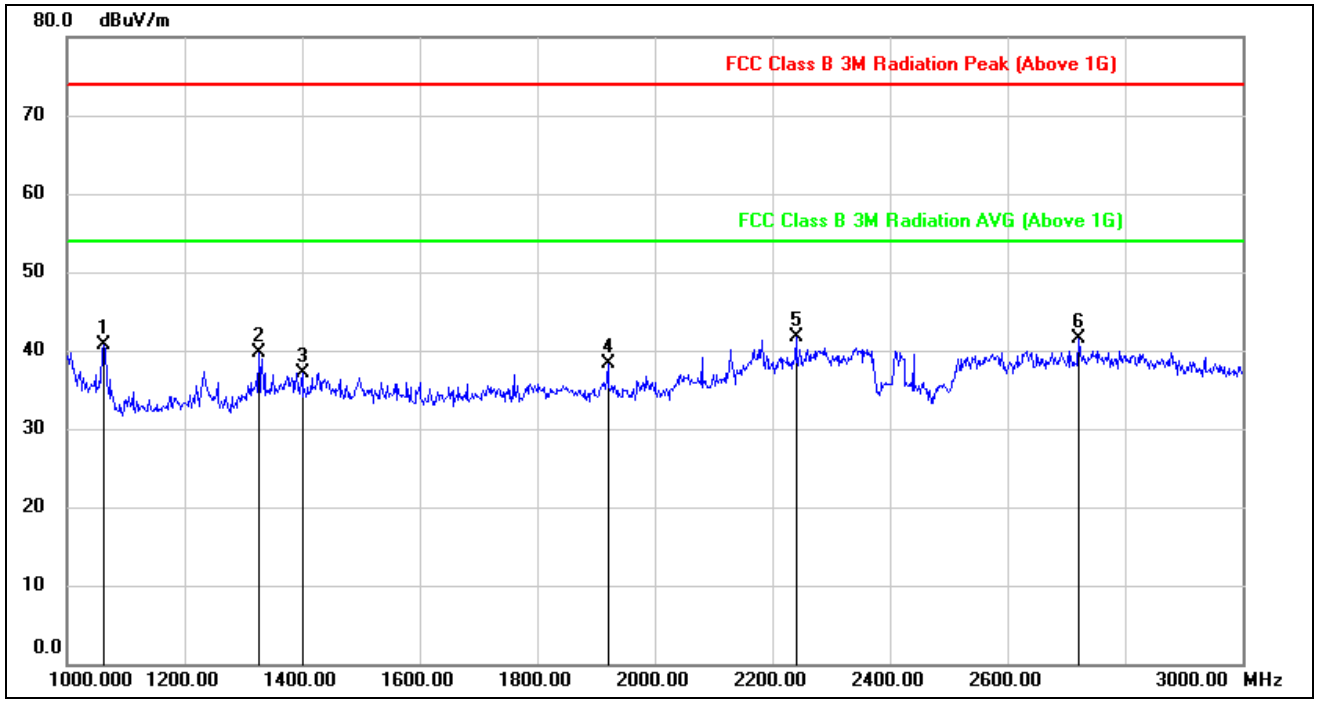
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

9.3.1. 802.11n HT40 MODE

MIMO CDD MODE

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

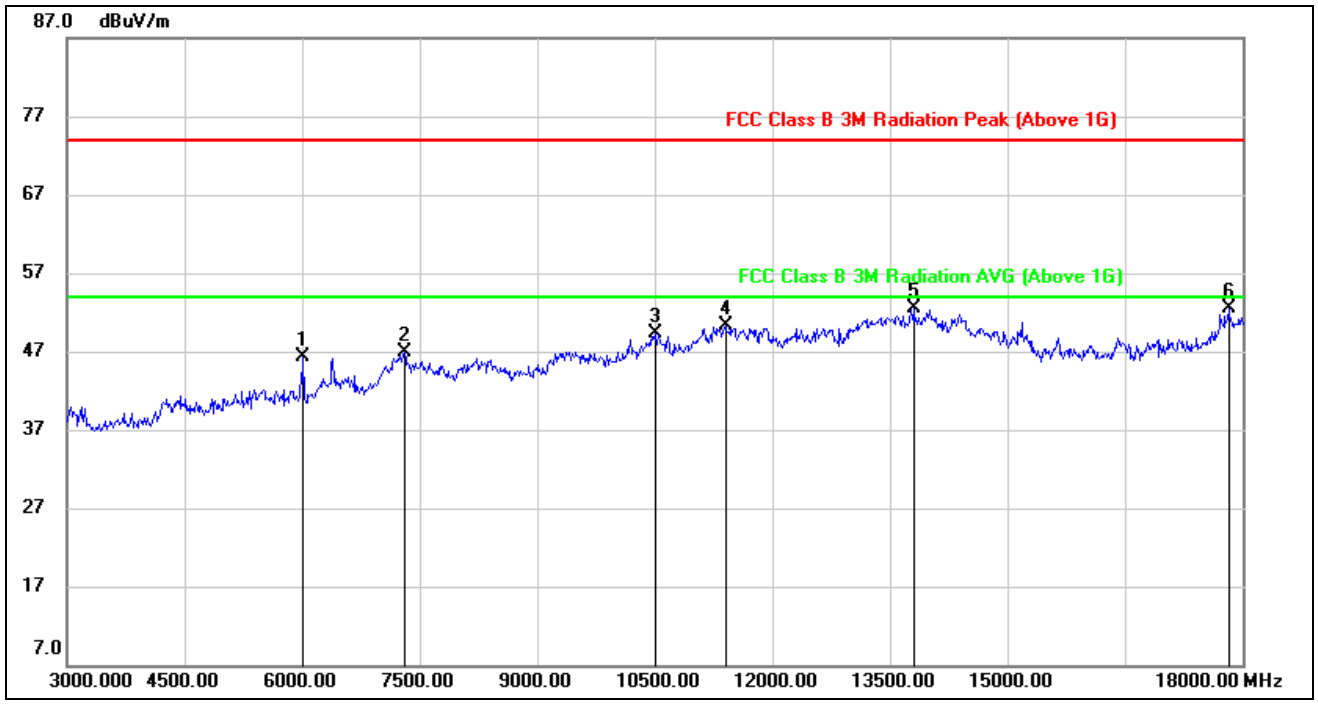
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1062.000	54.32	-13.62	40.70	74.00	-33.30	peak
2	1326.000	52.04	-12.38	39.66	74.00	-34.34	peak
3	1400.000	49.24	-12.06	37.18	74.00	-36.82	peak
4	1920.000	48.95	-10.72	38.23	74.00	-35.77	peak
5	2240.000	49.46	-7.73	41.73	74.00	-32.27	peak
6	2722.000	48.85	-7.44	41.41	74.00	-32.59	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

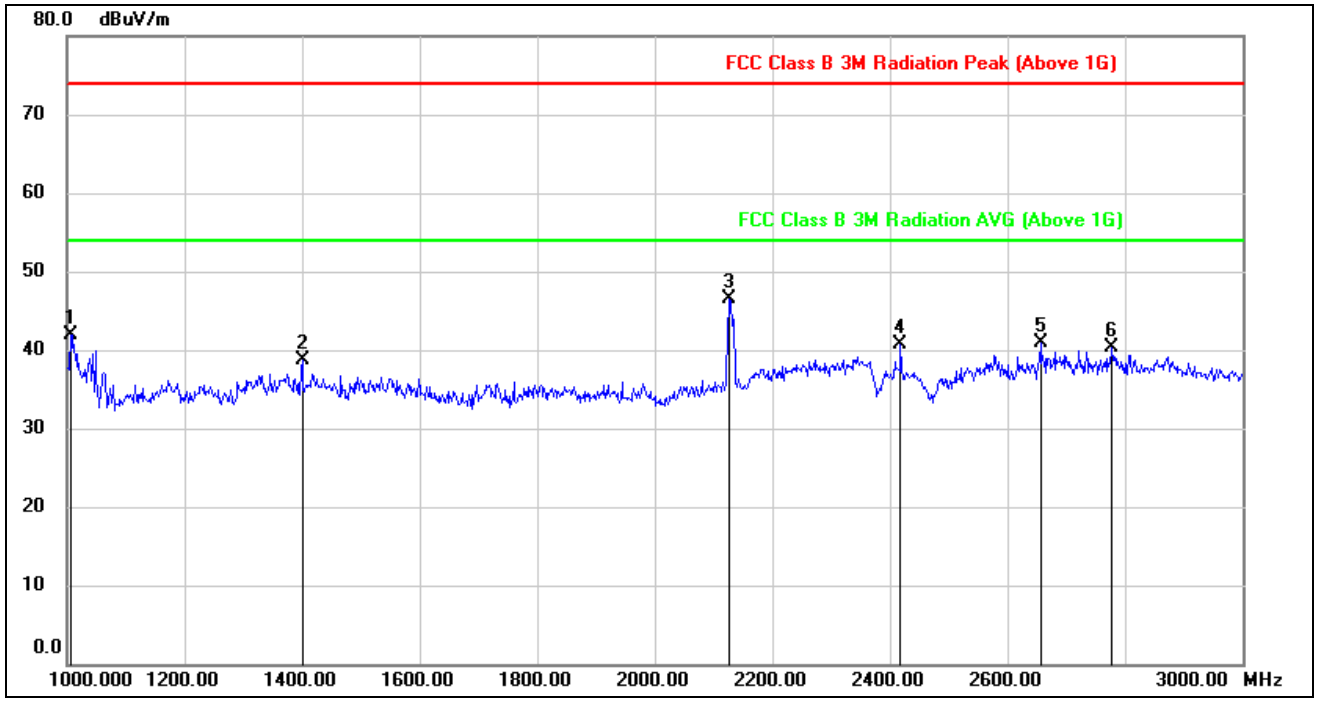


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6015.000	43.07	3.25	46.32	74.00	-27.68	peak
2	7305.000	39.03	7.80	46.83	74.00	-27.17	peak
3	10515.000	35.63	13.74	49.37	74.00	-24.63	peak
4	11400.000	34.55	15.69	50.24	74.00	-23.76	peak
5	13800.000	31.80	20.71	52.51	74.00	-21.49	peak
6	17820.000	25.94	26.48	52.42	74.00	-21.58	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

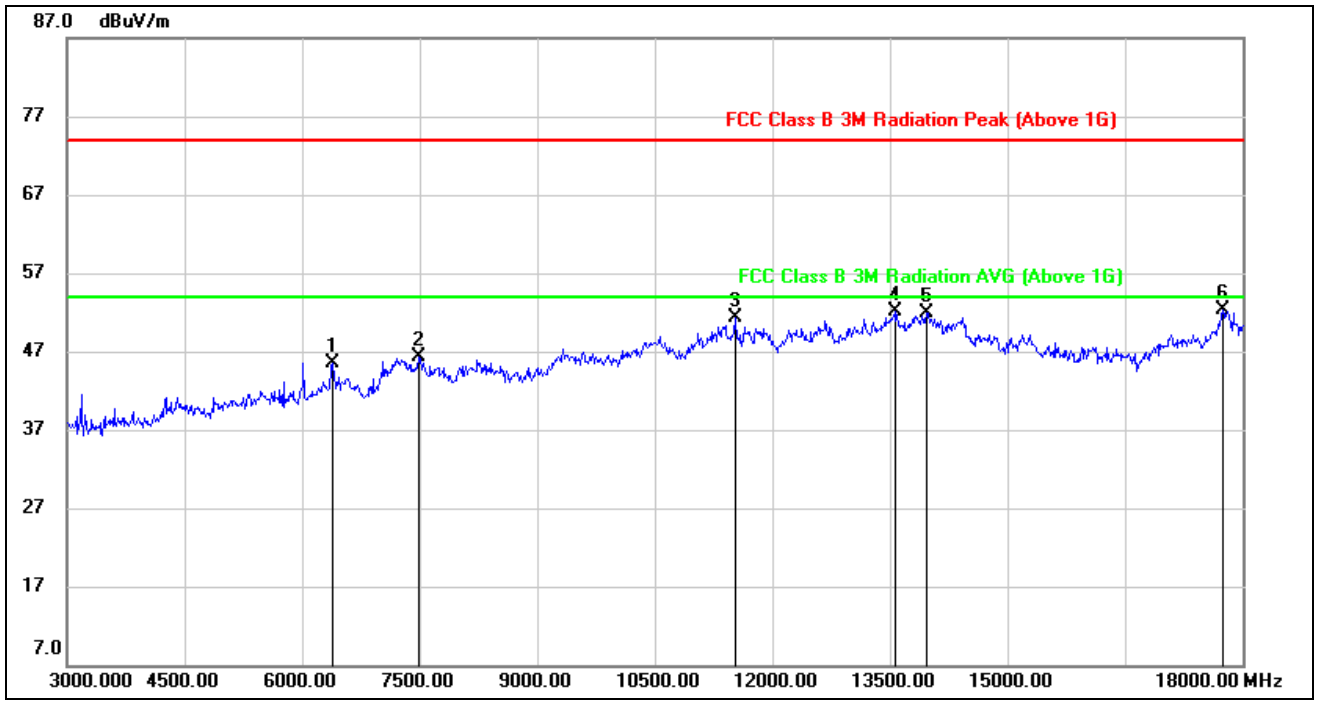
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1006.000	55.99	-14.00	41.99	74.00	-32.01	peak
2	1400.000	51.07	-12.46	38.61	74.00	-35.39	peak
3	2126.000	55.89	-9.34	46.55	74.00	-27.45	peak
4	2418.000	48.71	-8.09	40.62	74.00	-33.38	peak
5	2656.000	48.87	-7.91	40.96	74.00	-33.04	peak
6	2778.000	47.46	-7.12	40.34	74.00	-33.66	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

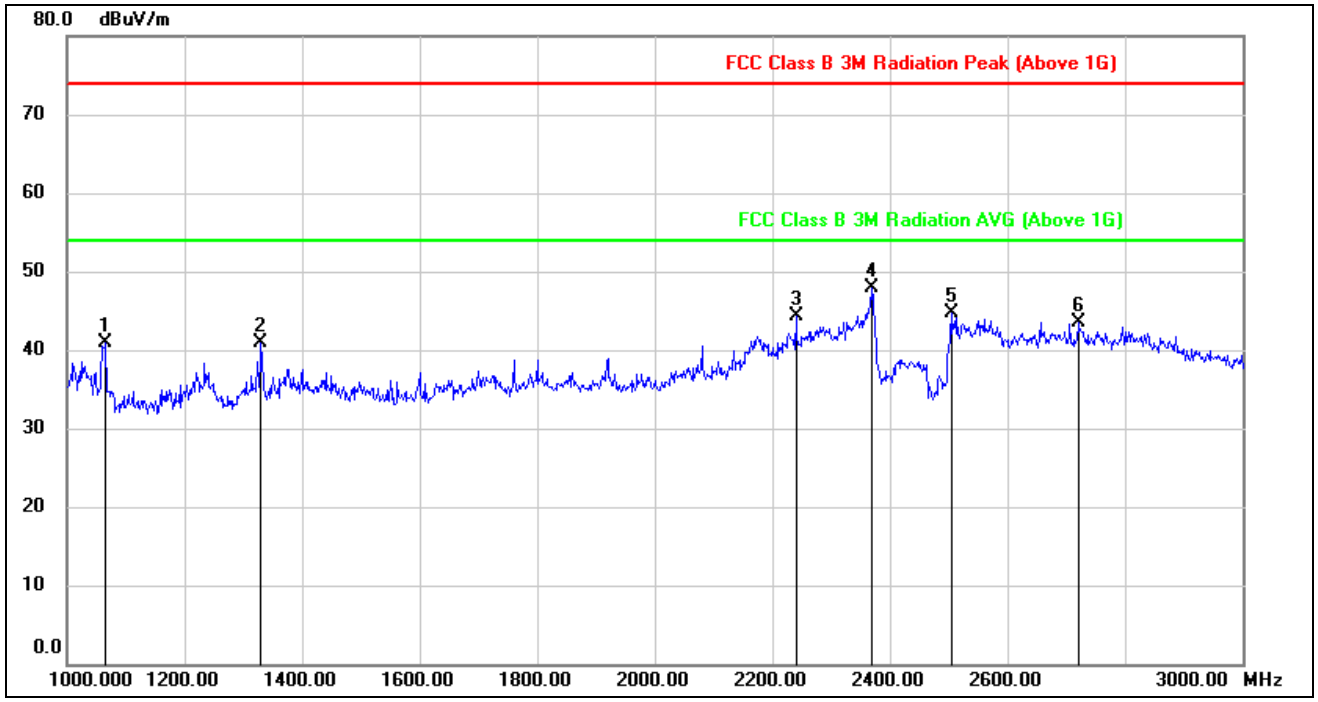


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6390.000	40.70	4.73	45.43	74.00	-28.57	peak
2	7485.000	38.24	8.12	46.36	74.00	-27.64	peak
3	11520.000	35.07	16.25	51.32	74.00	-22.68	peak
4	13560.000	31.22	20.81	52.03	74.00	-21.97	peak
5	13965.000	31.21	20.76	51.97	74.00	-22.03	peak
6	17745.000	26.08	26.21	52.29	74.00	-21.71	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL , HORIZONTAL)

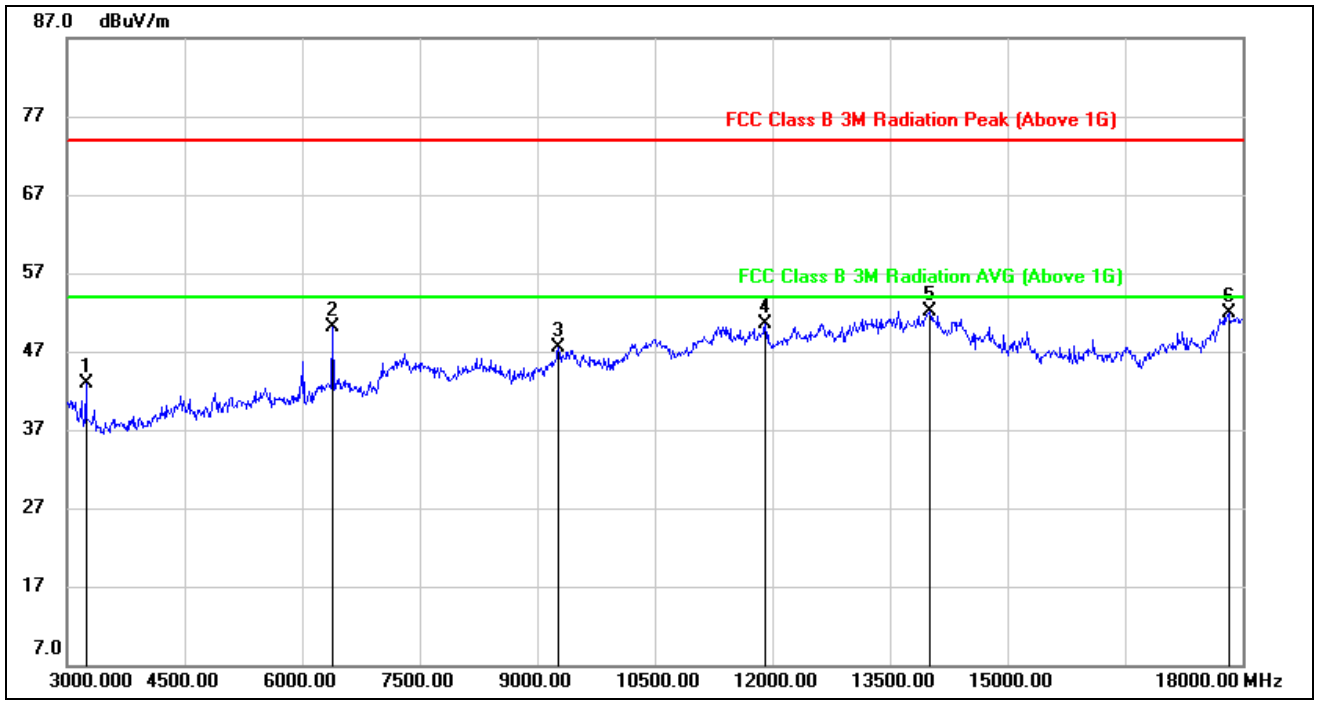
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1066.000	54.52	-13.62	40.90	74.00	-33.10	peak
2	1330.000	53.38	-12.38	41.00	74.00	-33.00	peak
3	2240.000	52.09	-7.73	44.36	74.00	-29.64	peak
4	2368.000	55.79	-7.88	47.91	74.00	-26.09	peak
5	2504.000	53.18	-8.40	44.78	74.00	-29.22	peak
6	2720.000	50.86	-7.45	43.41	74.00	-30.59	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

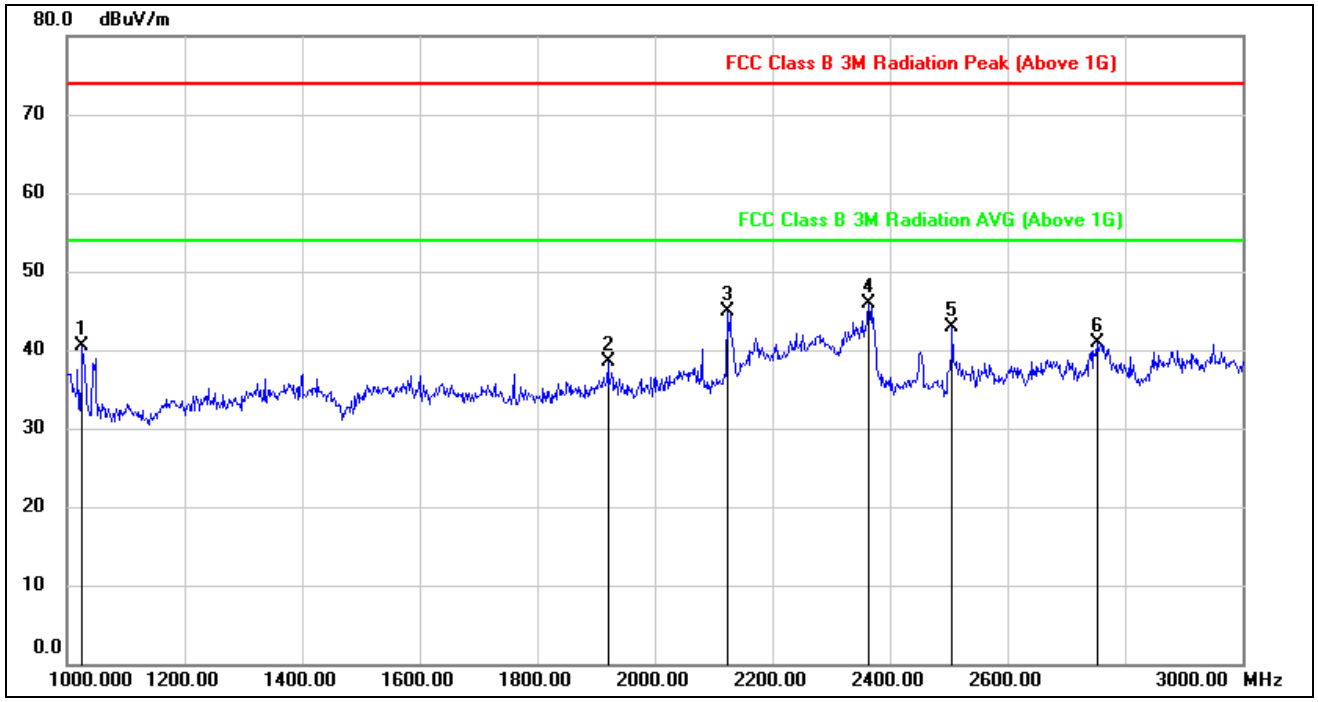


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3240.000	47.72	-4.80	42.92	74.00	-31.08	peak
2	6390.000	45.53	4.65	50.18	74.00	-23.82	peak
3	9270.000	37.04	10.49	47.53	74.00	-26.47	peak
4	11910.000	33.43	16.98	50.41	74.00	-23.59	peak
5	14010.000	31.56	20.61	52.17	74.00	-21.83	peak
6	17820.000	25.47	26.48	51.95	74.00	-22.05	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

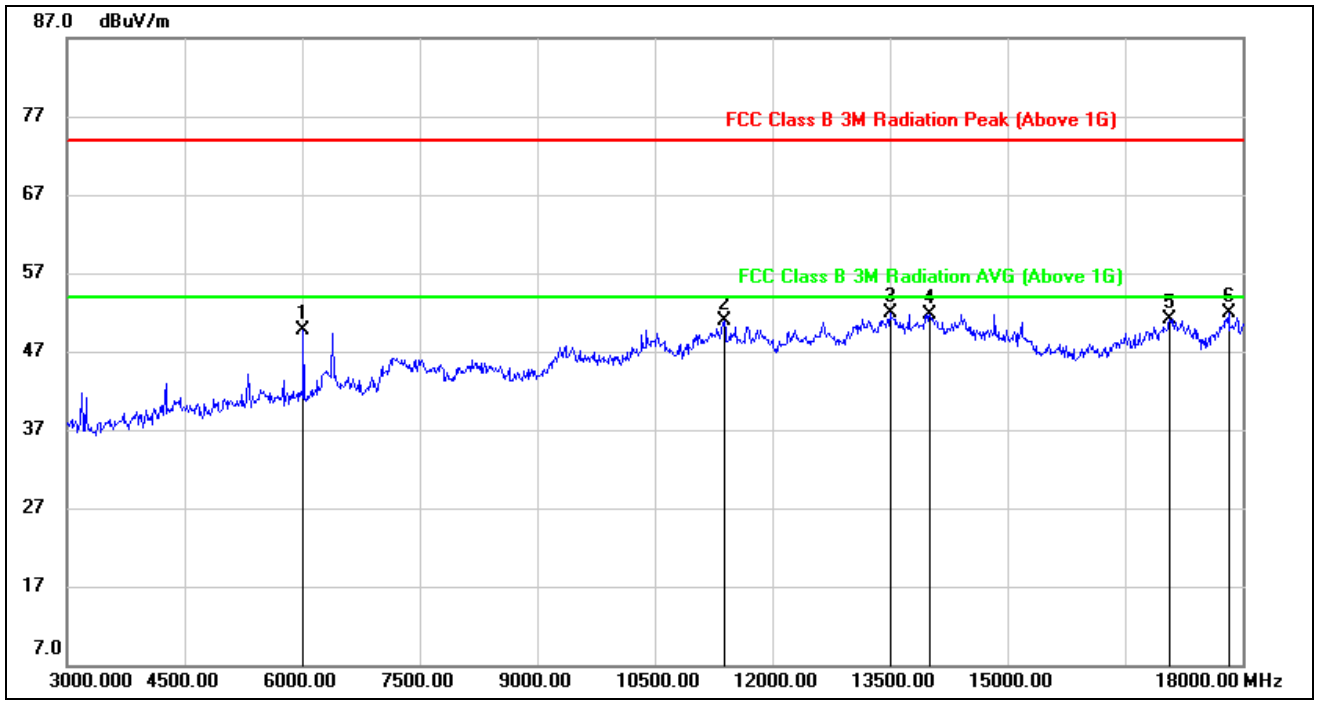
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1026.000	54.42	-13.97	40.45	74.00	-33.55	peak
2	1920.000	49.42	-10.82	38.60	74.00	-35.40	peak
3	2124.000	54.31	-9.36	44.95	74.00	-29.05	peak
4	2364.000	53.57	-7.75	45.82	74.00	-28.18	peak
5	2506.000	51.13	-8.30	42.83	74.00	-31.17	peak
6	2752.000	48.26	-7.31	40.95	74.00	-33.05	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

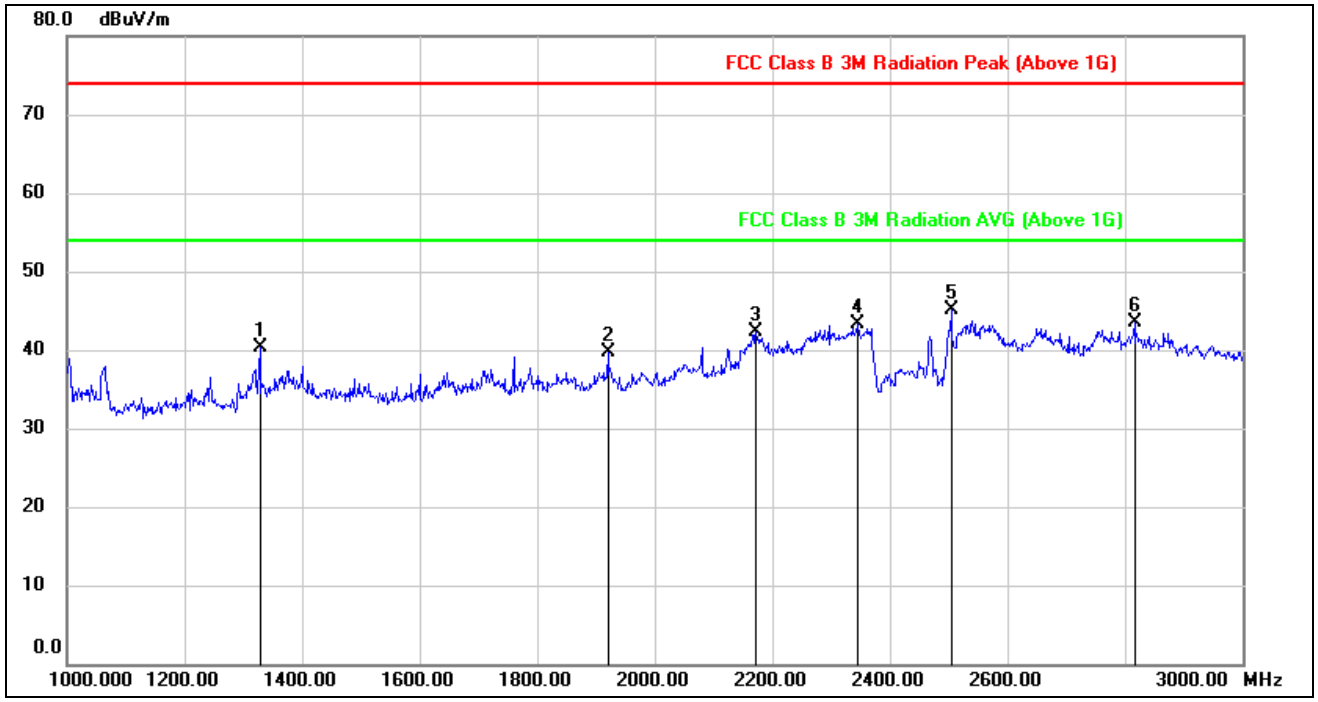


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6015.000	46.40	3.35	49.75	74.00	-24.25	peak
2	11385.000	35.27	15.57	50.84	74.00	-23.16	peak
3	13500.000	31.42	20.57	51.99	74.00	-22.01	peak
4	14010.000	31.12	20.67	51.79	74.00	-22.21	peak
5	17070.000	28.46	22.73	51.19	74.00	-22.81	peak
6	17820.000	25.38	26.56	51.94	74.00	-22.06	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

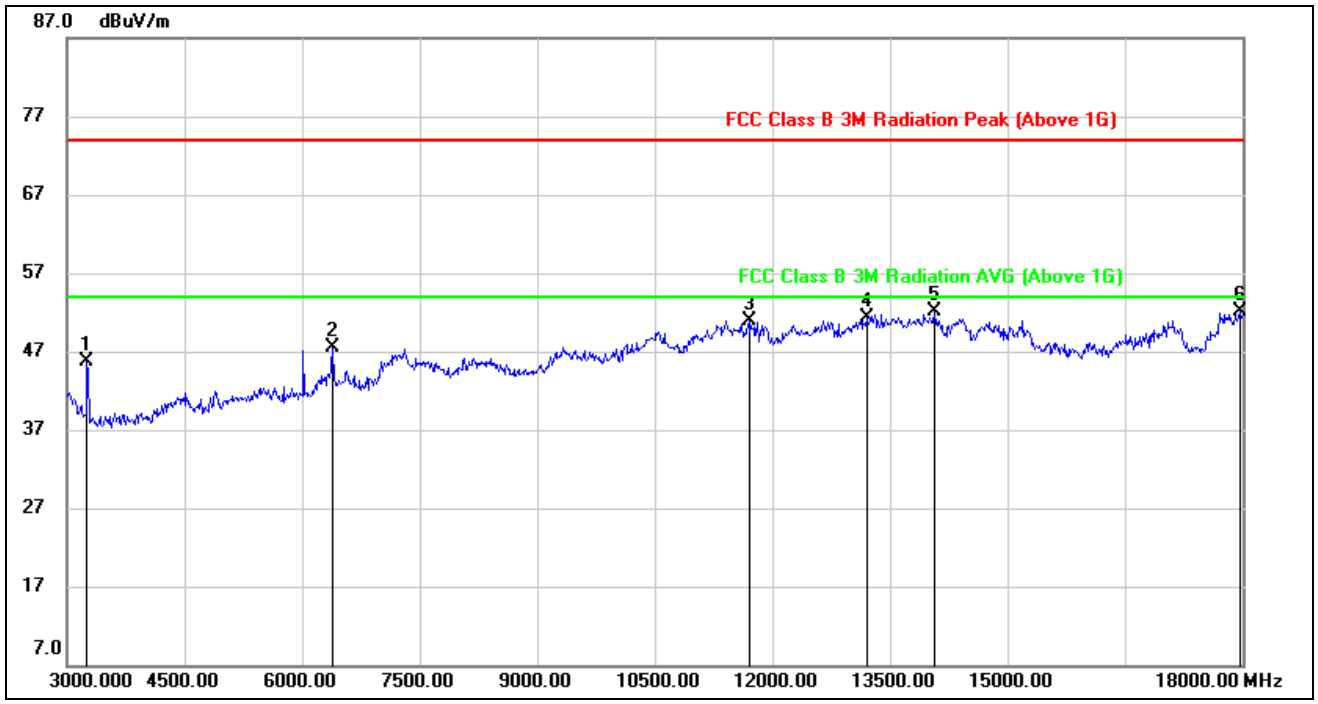
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1328.000	52.68	-12.38	40.30	74.00	-33.70	peak
2	1920.000	50.51	-10.72	39.79	74.00	-34.21	peak
3	2172.000	50.88	-8.65	42.23	74.00	-31.77	peak
4	2344.000	51.01	-7.71	43.30	74.00	-30.70	peak
5	2504.000	53.49	-8.40	45.09	74.00	-28.91	peak
6	2816.000	50.33	-6.88	43.45	74.00	-30.55	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz

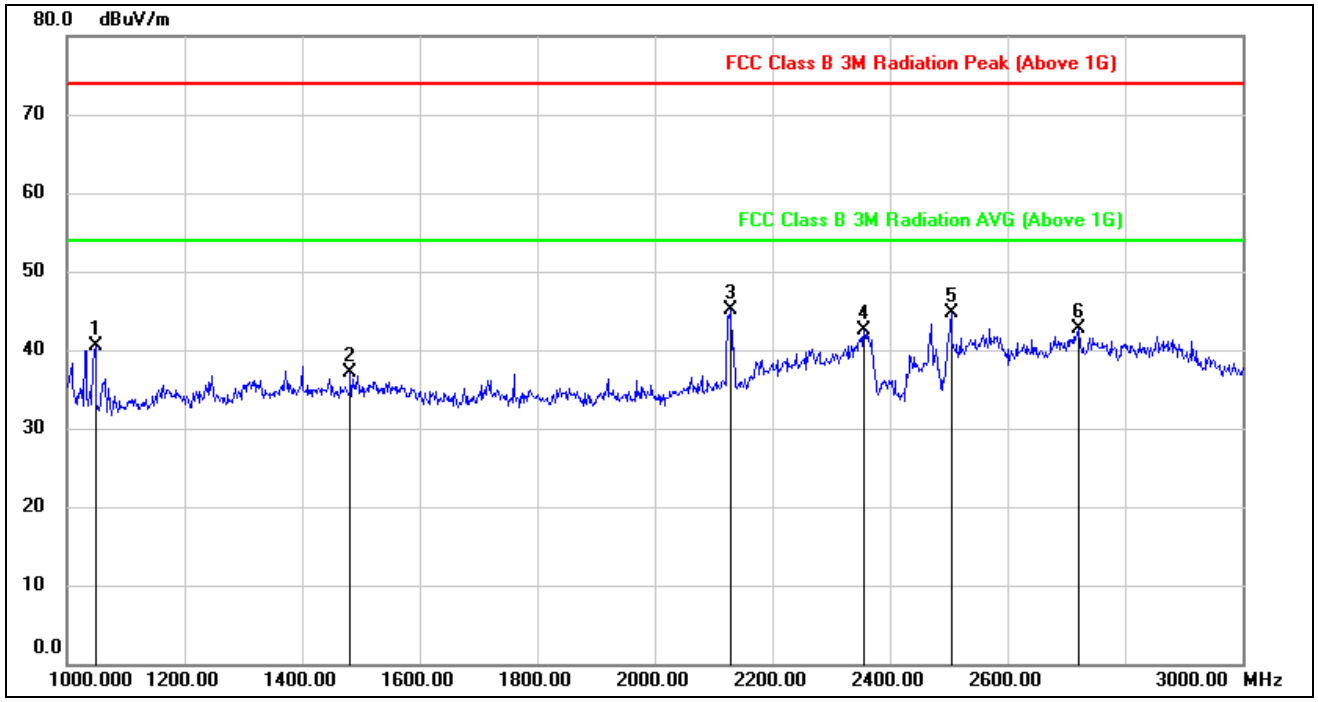


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3255.000	50.47	-4.81	45.66	74.00	-28.34	peak
2	6390.000	42.85	4.65	47.50	74.00	-26.50	peak
3	11715.000	34.87	16.08	50.95	74.00	-23.05	peak
4	13200.000	32.28	19.00	51.28	74.00	-22.72	peak
5	14070.000	31.46	20.65	52.11	74.00	-21.89	peak
6	17970.000	24.99	27.04	52.03	74.00	-21.97	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

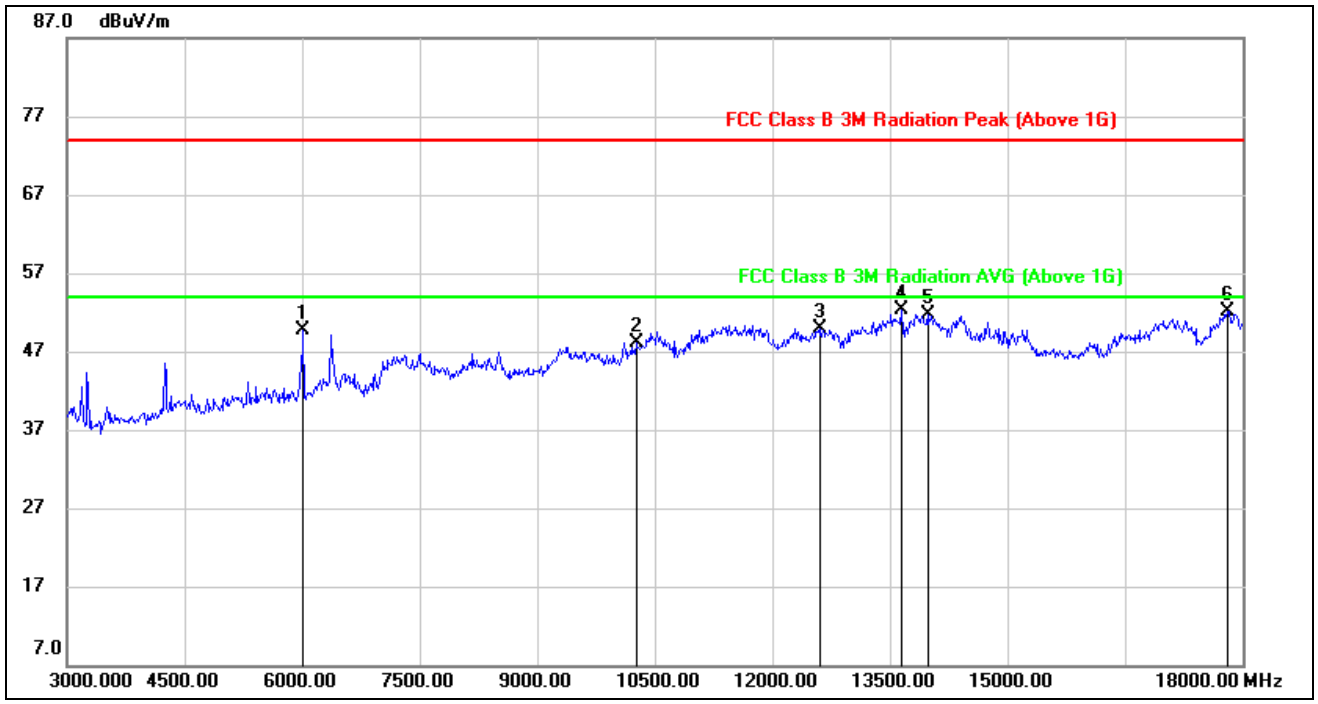
1GHz~3GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1048.000	54.48	-13.93	40.55	74.00	-33.45	peak
2	1482.000	49.45	-12.27	37.18	74.00	-36.82	peak
3	2130.000	54.46	-9.28	45.18	74.00	-28.82	peak
4	2356.000	50.14	-7.69	42.45	74.00	-31.55	peak
5	2504.000	52.98	-8.30	44.68	74.00	-29.32	peak
6	2722.000	50.19	-7.48	42.71	74.00	-31.29	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

3GHz~18GHz



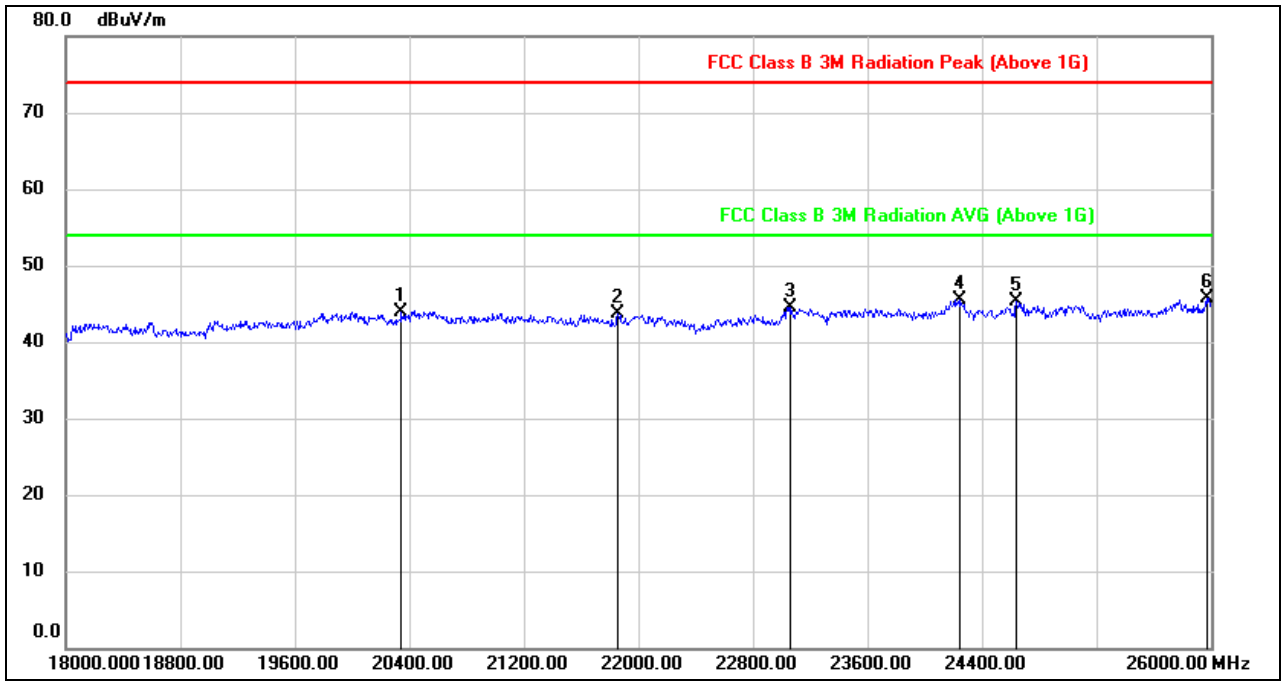
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6015.000	46.35	3.35	49.70	74.00	-24.30	peak
2	10260.000	35.46	12.72	48.18	74.00	-25.82	peak
3	12600.000	32.51	17.37	49.88	74.00	-24.12	peak
4	13650.000	31.52	20.73	52.25	74.00	-21.75	peak
5	13980.000	30.92	20.73	51.65	74.00	-22.35	peak
6	17805.000	25.36	26.80	52.16	74.00	-21.84	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

9.4. SPURIOUS EMISSIONS (18~26GHz)

9.4.1. 802.11n40 MODE

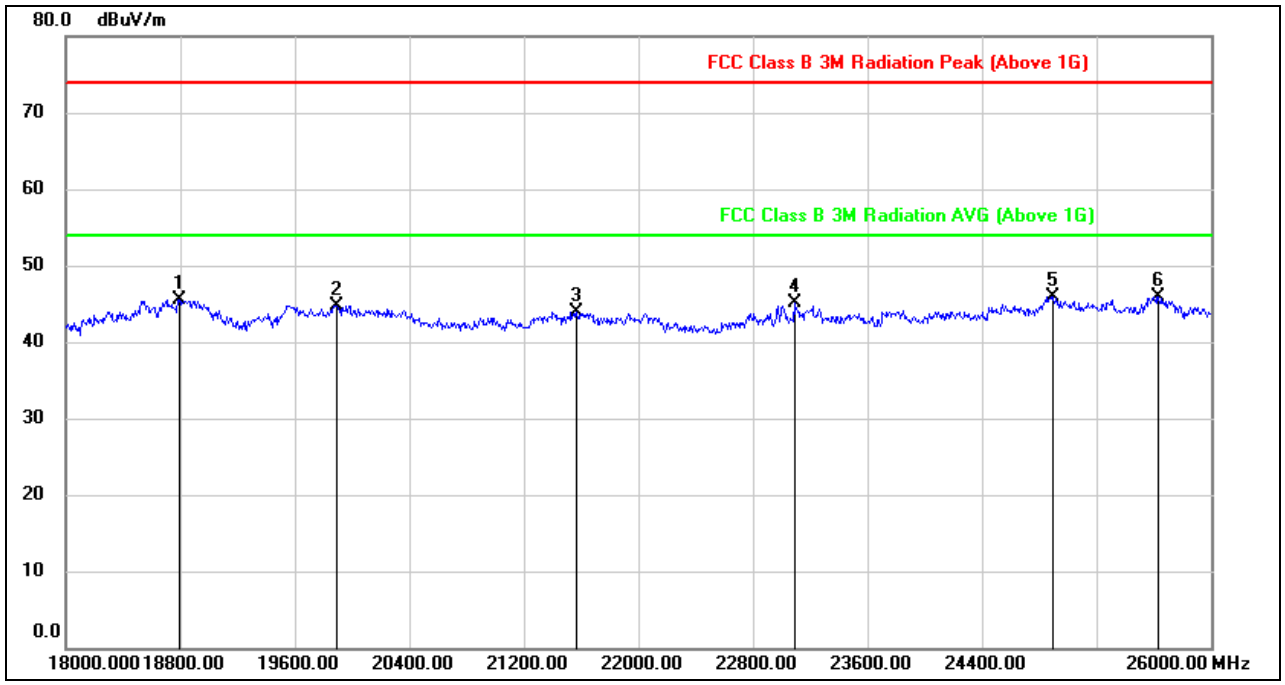
SPURIOUS EMISSIONS (MID CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	20344.000	49.41	-5.52	43.89	74.00	-30.11	peak
2	21856.000	48.02	-4.39	43.63	74.00	-30.37	peak
3	23064.000	47.99	-3.42	44.57	74.00	-29.43	peak
4	24248.000	48.32	-2.83	45.49	74.00	-28.51	peak
5	24640.000	47.53	-2.32	45.21	74.00	-28.79	peak
6	25968.000	46.63	-1.00	45.63	74.00	-28.37	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

SPURIOUS EMISSIONS (MID CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)



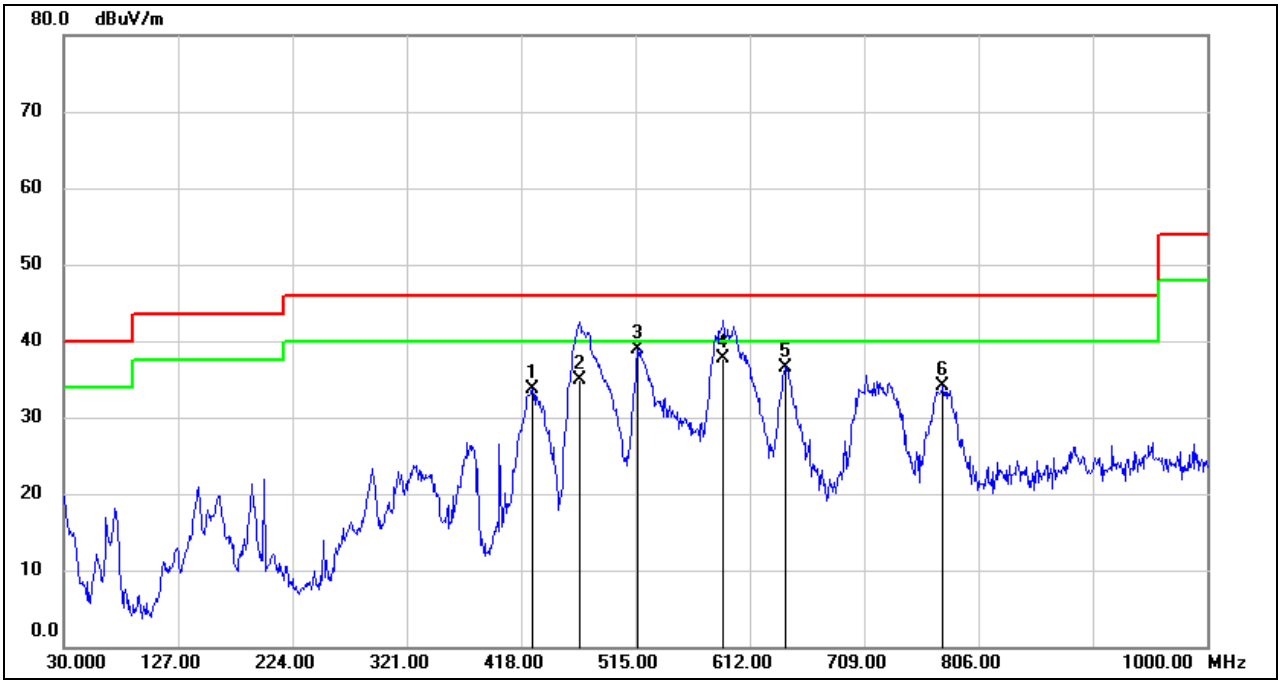
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18792.000	50.95	-5.39	45.56	74.00	-28.44	peak
2	19888.000	50.15	-5.36	44.79	74.00	-29.21	peak
3	21568.000	48.44	-4.59	43.85	74.00	-30.15	peak
4	23088.000	48.52	-3.41	45.11	74.00	-28.89	peak
5	24896.000	48.05	-2.19	45.86	74.00	-28.14	peak
6	25632.000	47.06	-1.16	45.90	74.00	-28.10	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

9.5. SPURIOUS EMISSIONS (30M ~ 1 GHz)

9.5.1. 802.11n40 MODE

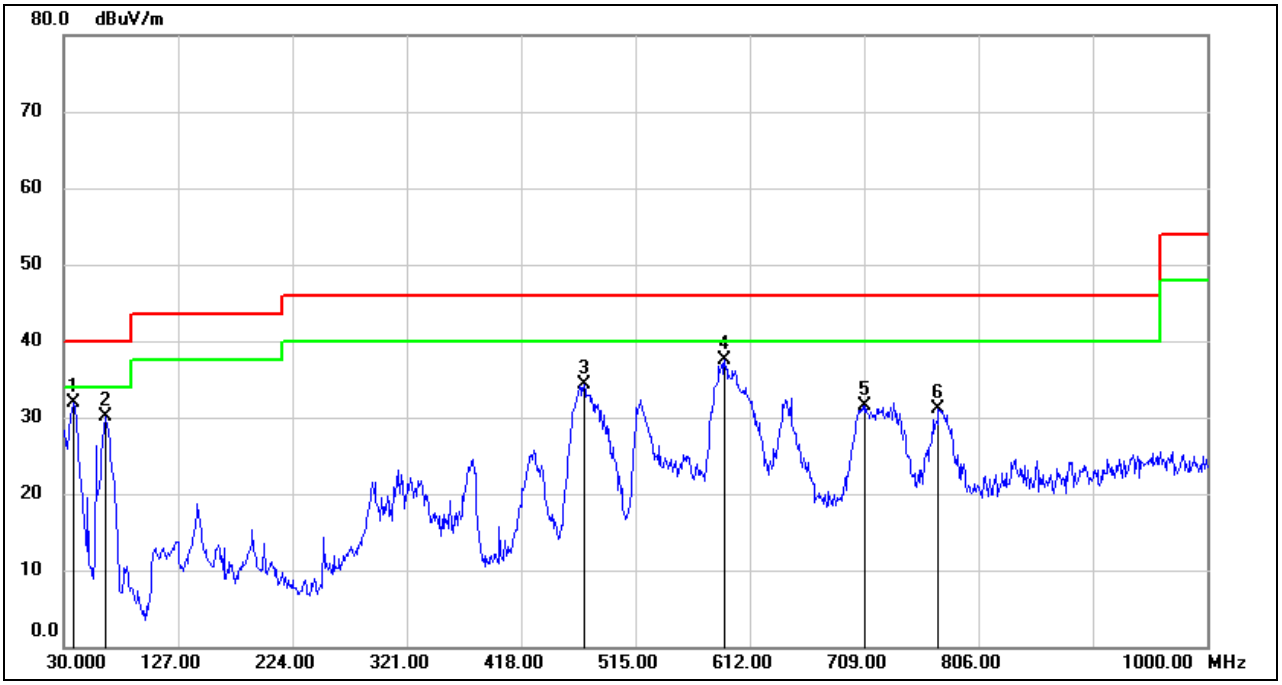
SPURIOUS EMISSIONS (MID CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	427.7000	45.80	-12.13	33.67	46.00	-12.33	QP
2	467.4700	46.33	-11.46	34.87	46.00	-11.13	QP
3	516.9400	49.28	-10.43	38.85	46.00	-7.15	QP
4	589.6900	46.81	-9.07	37.74	46.00	-8.26	QP
5	642.0700	44.65	-8.05	36.60	46.00	-9.40	QP
6	775.9300	39.99	-5.96	34.03	46.00	-11.97	QP

Note: 1. Result Level = Read Level + Correct Factor.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

SPURIOUS EMISSIONS (MID CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	38.7300	49.77	-17.91	31.86	40.00	-8.14	QP
2	64.9200	49.86	-19.75	30.11	40.00	-9.89	QP
3	471.3500	45.55	-11.33	34.22	46.00	-11.78	QP
4	590.6599	46.55	-9.05	37.50	46.00	-8.50	QP
5	709.9699	38.26	-6.74	31.52	46.00	-14.48	QP
6	772.0500	37.15	-6.05	31.10	46.00	-14.90	QP

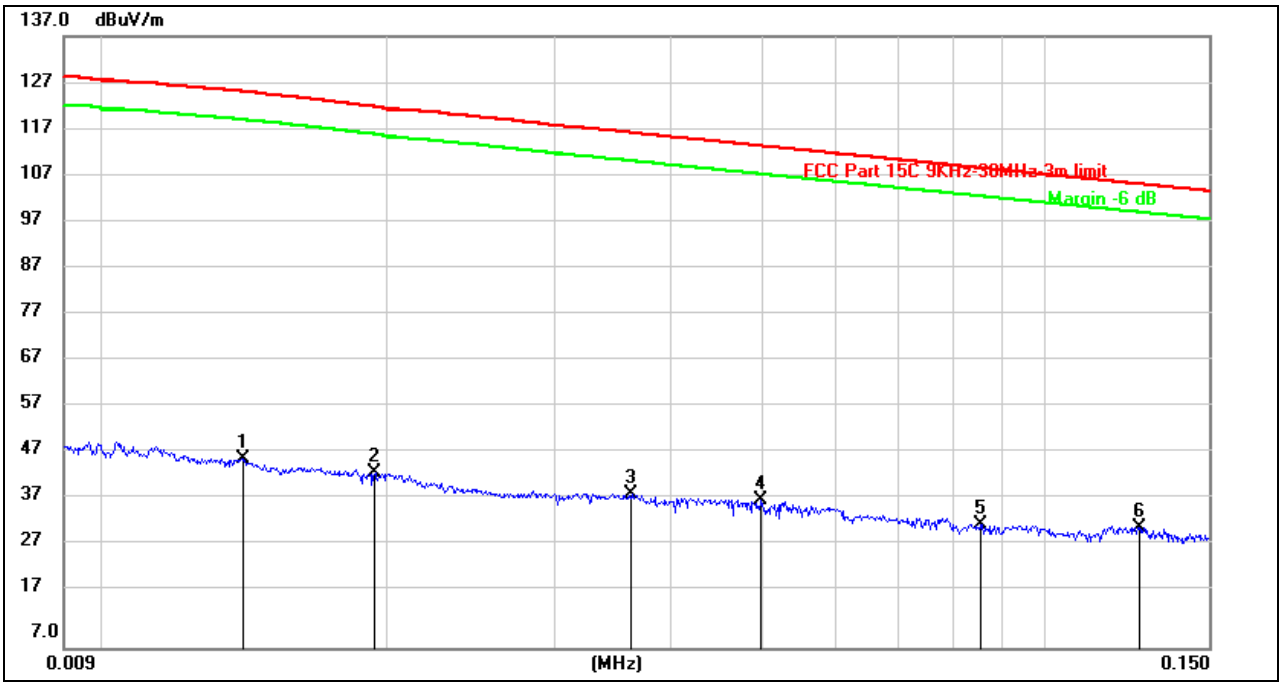
Note: 1. Result Level = Read Level + Correct Factor.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

9.6. SPURIOUS EMISSIONS BELOW 30M

9.6.1. 802.11n40 MODE

SPURIOUS EMISSIONS (MID CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)

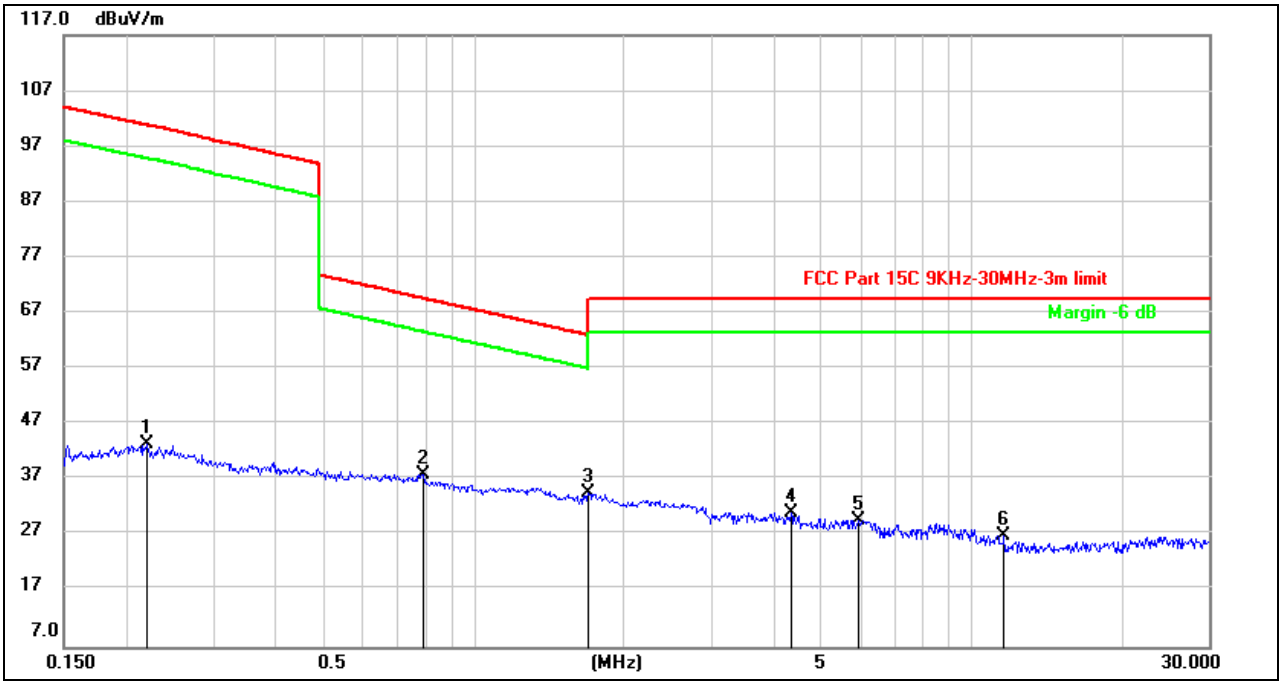
0.09KHz~ 150KHz



No.	Frequency (KHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0140	26.97	20.25	47.22	125.19	-77.97	peak
2	0.0193	23.77	20.30	44.07	122.00	-77.93	peak
3	0.0362	19.21	20.31	39.52	116.51	-76.99	peak
4	0.0497	18.01	20.31	38.32	113.68	-75.36	peak
5	0.0855	13.00	20.27	33.27	108.98	-75.71	peak
6	0.1262	12.23	20.32	32.55	105.59	-73.04	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

150KHz ~ 30M

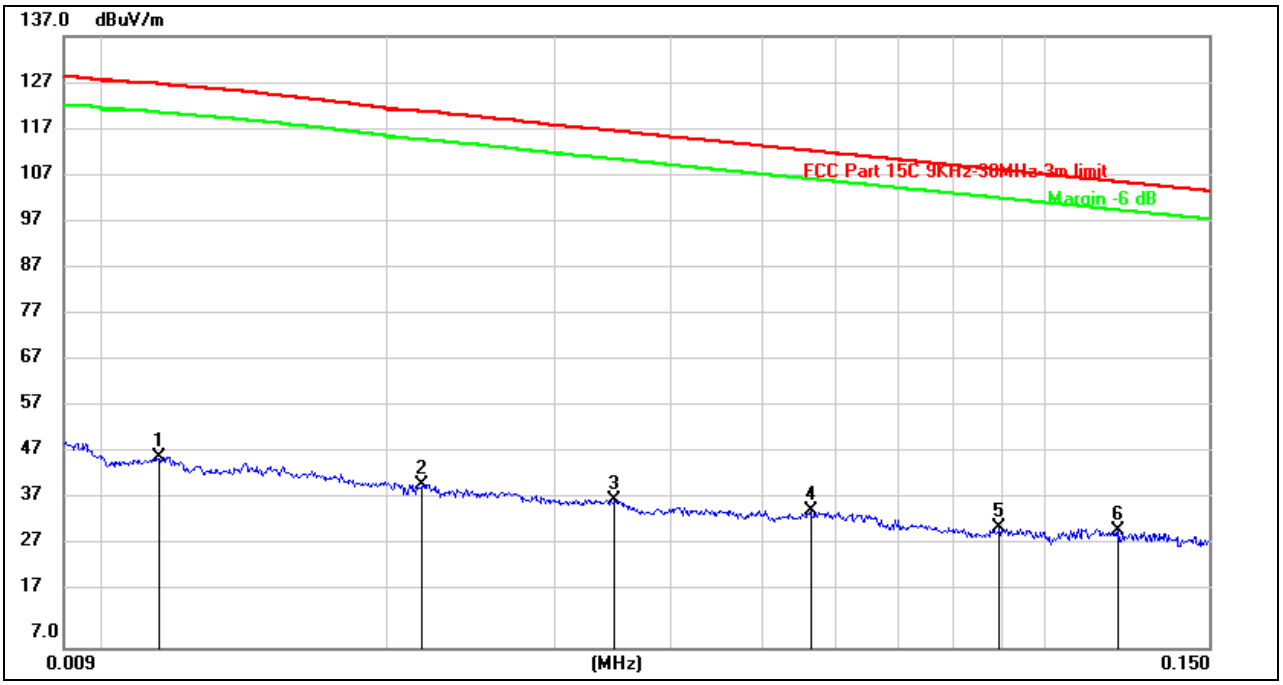


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.2197	23.09	20.35	43.44	100.89	-57.45	peak
2	0.7913	17.66	20.36	38.02	69.64	-31.62	peak
3	1.6975	13.92	20.62	34.54	63.01	-28.47	peak
4	4.3376	10.11	20.98	31.09	69.54	-38.45	peak
5	5.9291	8.74	20.87	29.61	69.54	-39.93	peak
6	11.6204	6.04	21.01	27.05	69.54	-42.49	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

SPURIOUS EMISSIONS (MID CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)

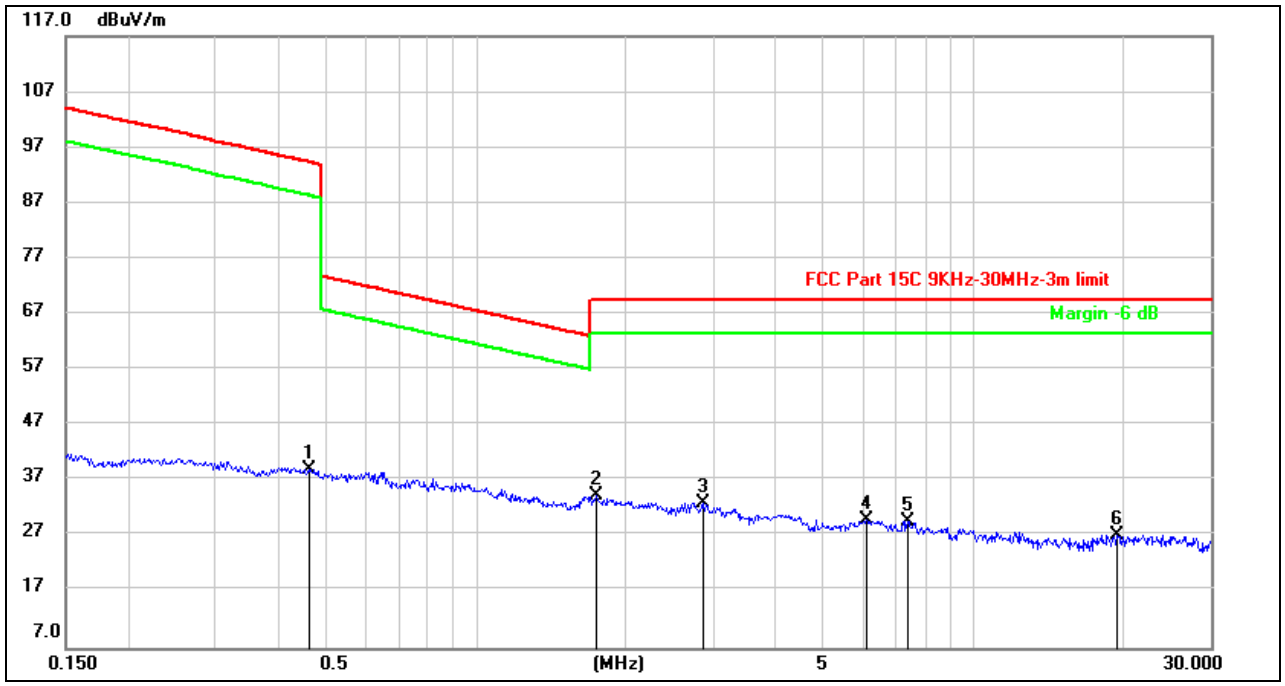
0.09KHz~ 150KHz



No.	Frequency (KHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0114	27.31	20.22	47.53	126.76	-79.23	peak
2	0.0217	21.40	20.31	41.71	120.98	-79.27	peak
3	0.0347	17.96	20.31	38.27	116.89	-78.62	peak
4	0.0563	15.72	20.31	36.03	112.62	-76.59	peak
5	0.0892	12.11	20.25	32.36	108.60	-76.24	peak
6	0.1200	11.47	20.30	31.77	106.02	-74.25	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

150KHz ~ 30M



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.4611	18.90	20.26	39.16	94.37	-55.21	peak
2	1.7437	13.76	20.64	34.40	69.54	-35.14	peak
3	2.8540	12.04	20.88	32.92	69.54	-36.62	peak
4	6.0884	9.09	20.87	29.96	69.54	-39.58	peak
5	7.3680	8.76	20.94	29.70	69.54	-39.84	peak
6	19.4283	6.21	21.03	27.24	69.54	-42.30	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

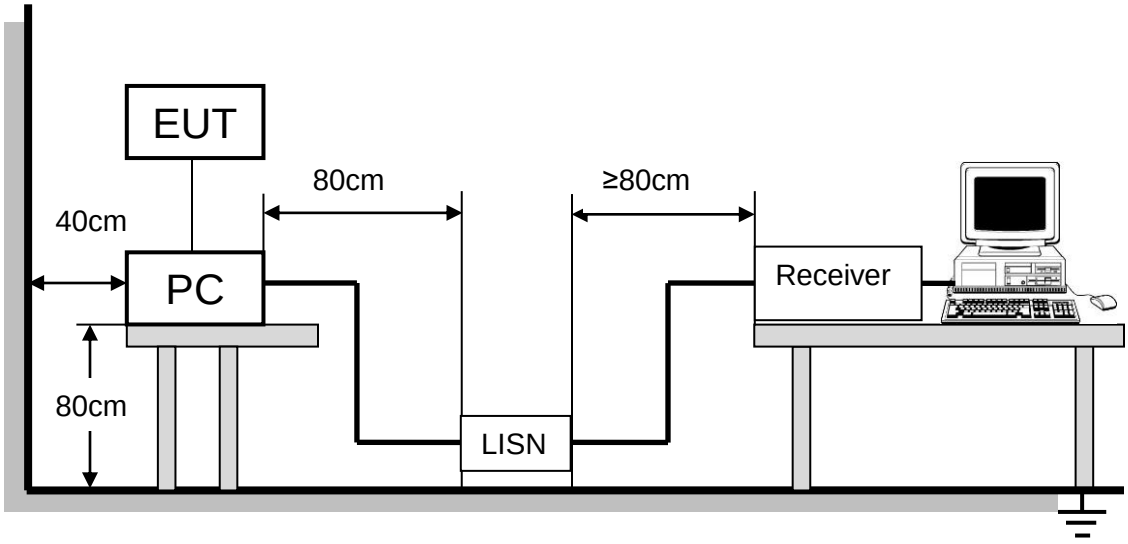
10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a) and RSS-Gen Clause 8.8.

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

TEST SETUP AND PROCEDURE



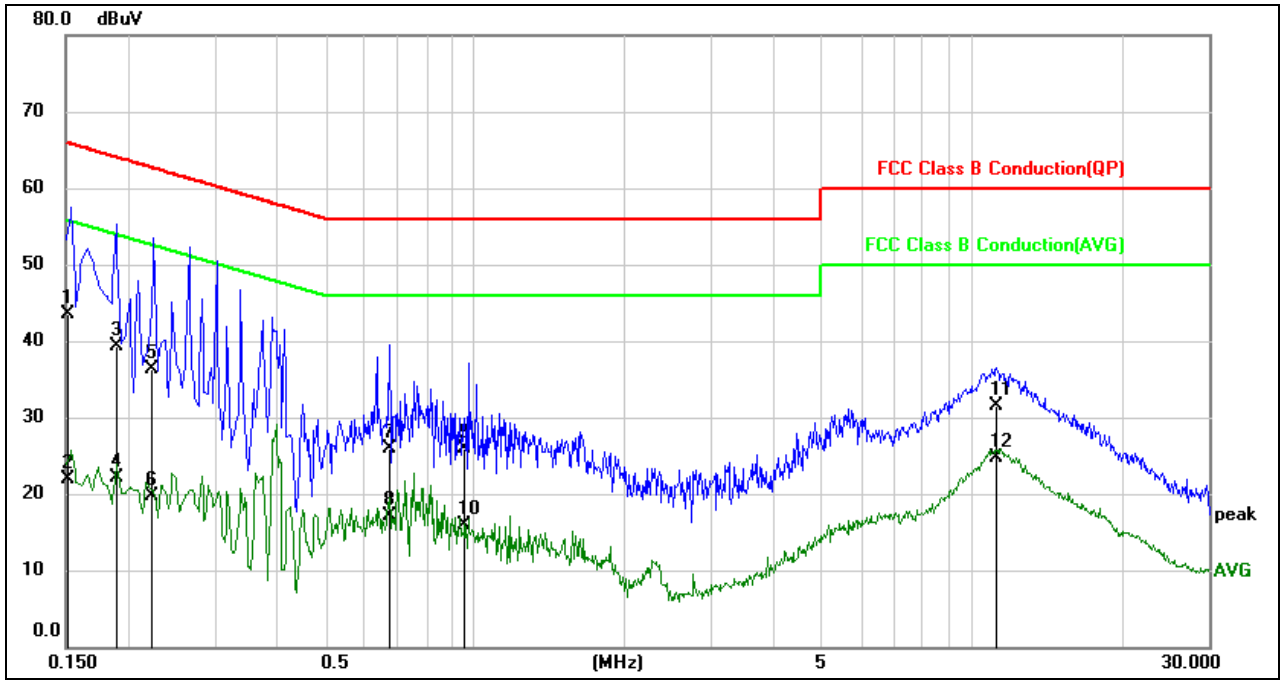
The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10 -2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST RESULTS

10.1. 802.11n HT40 MODE

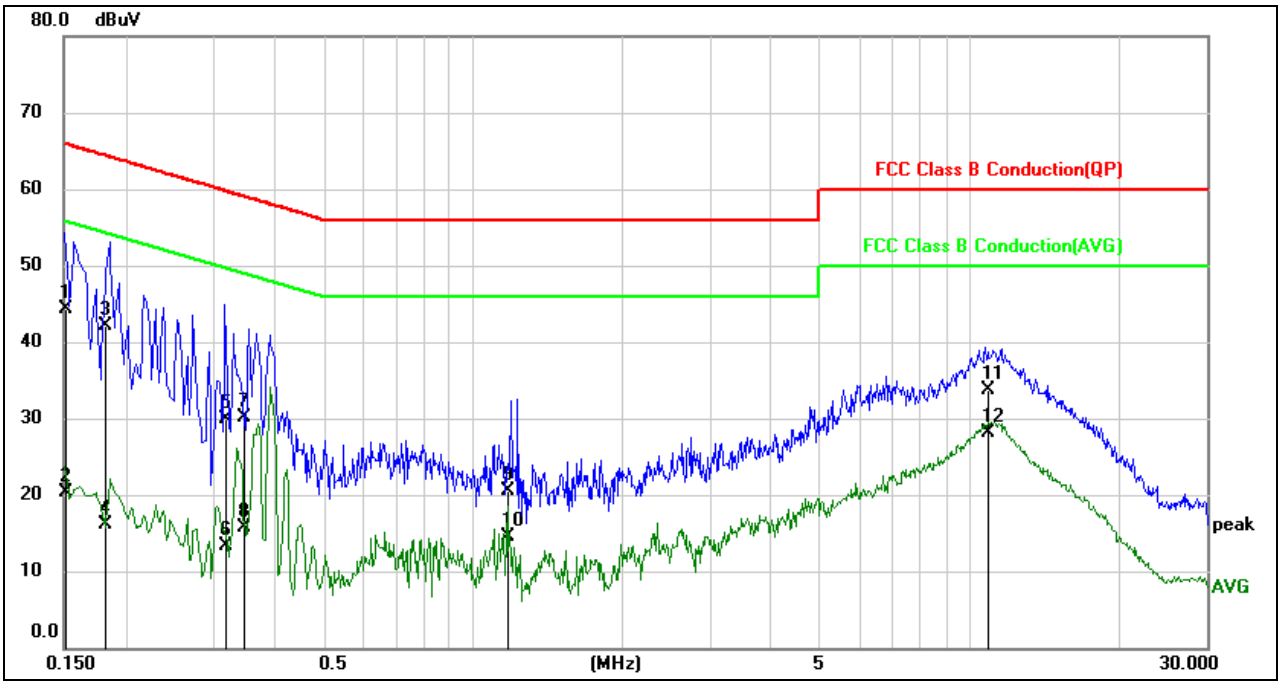
LINE N RESULTS (MID CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1511	33.91	9.62	43.53	65.94	-22.41	QP
2	0.1511	12.27	9.62	21.89	55.94	-34.05	AVG
3	0.1892	29.73	9.62	39.35	64.07	-24.72	QP
4	0.1892	12.40	9.62	22.02	54.07	-32.05	AVG
5	0.2224	26.67	9.62	36.29	62.73	-26.44	QP
6	0.2224	10.00	9.62	19.62	52.73	-33.11	AVG
7	0.6739	16.30	9.63	25.93	56.00	-30.07	QP
8	0.6739	7.50	9.63	17.13	46.00	-28.87	AVG
9	0.9565	16.27	9.63	25.90	56.00	-30.10	QP
10	0.9565	6.34	9.63	15.97	46.00	-30.03	AVG
11	11.1905	21.36	10.05	31.41	60.00	-28.59	QP
12	11.1905	14.64	10.05	24.69	50.00	-25.31	AVG

Note: 1. Result = Reading +Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

LINE L RESULTS (MID CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1520	34.73	9.64	44.37	65.89	-21.52	QP
2	0.1520	10.63	9.64	20.27	55.89	-35.62	AVG
3	0.1823	32.40	9.63	42.03	64.38	-22.35	QP
4	0.1823	6.55	9.63	16.18	54.38	-38.20	AVG
5	0.3183	20.31	9.63	29.94	59.75	-29.81	QP
6	0.3183	3.73	9.63	13.36	49.75	-36.39	AVG
7	0.3498	20.38	9.63	30.01	58.97	-28.96	QP
8	0.3498	6.04	9.63	15.67	48.97	-33.30	AVG
9	1.1830	10.85	9.64	20.49	56.00	-35.51	QP
10	1.1830	4.80	9.64	14.44	46.00	-31.56	AVG
11	10.8387	23.68	10.07	33.75	60.00	-26.25	QP
12	10.8387	18.03	10.07	28.10	50.00	-21.90	AVG

Note: 1. Result = Reading +Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

11. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)
The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RESULTS

Compliance.

END OF REPORT