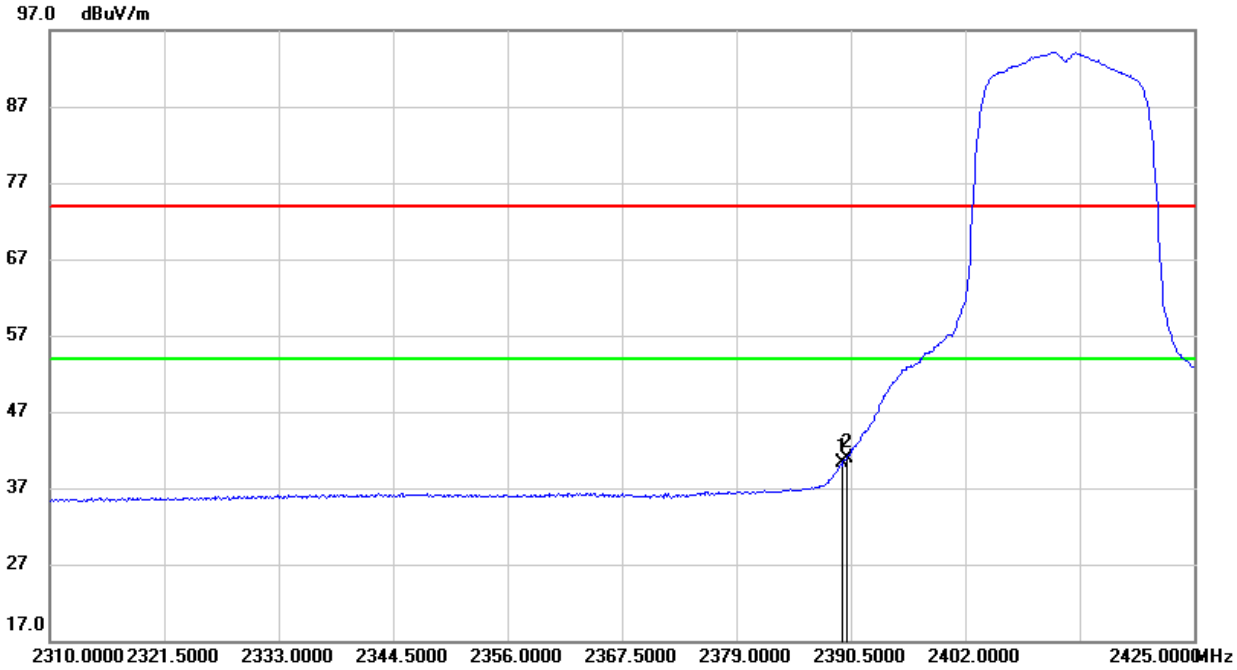
AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.695	7.29	32.94	40.23	54.00	-13.77	AVG
2	2390.000	8.02	32.94	40.96	54.00	-13.04	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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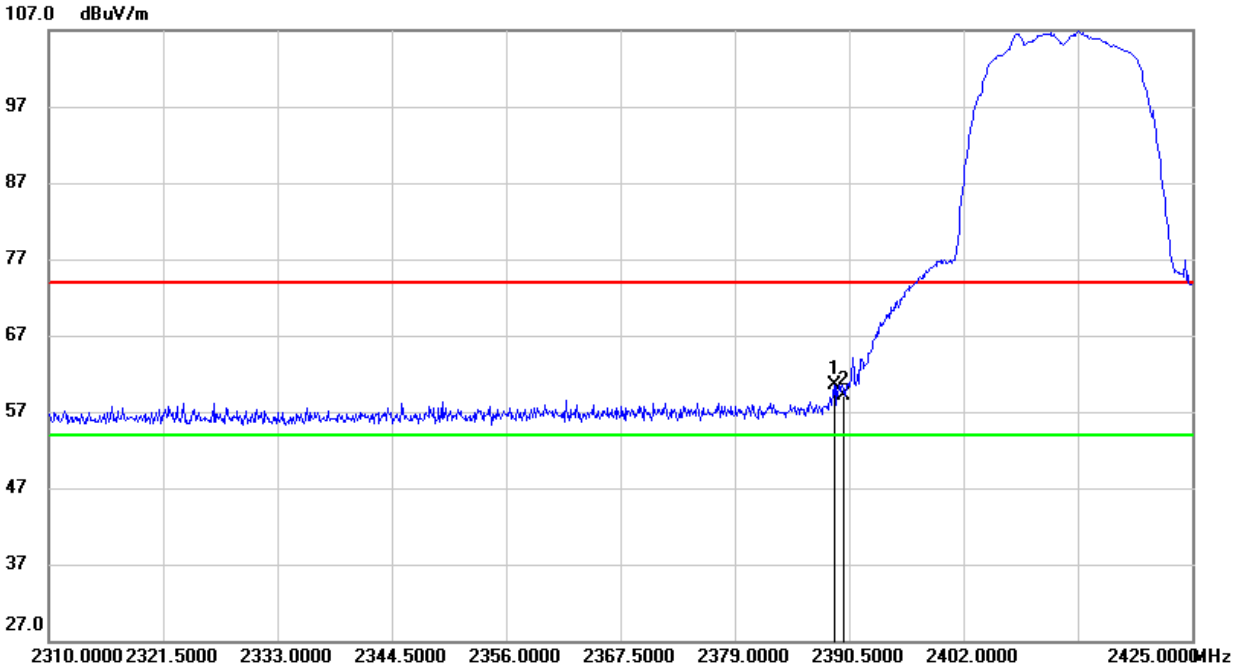
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.005	27.56	32.94	60.50	74.00	-13.50	peak
2	2390.000	26.17	32.94	59.11	74.00	-14.89	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.

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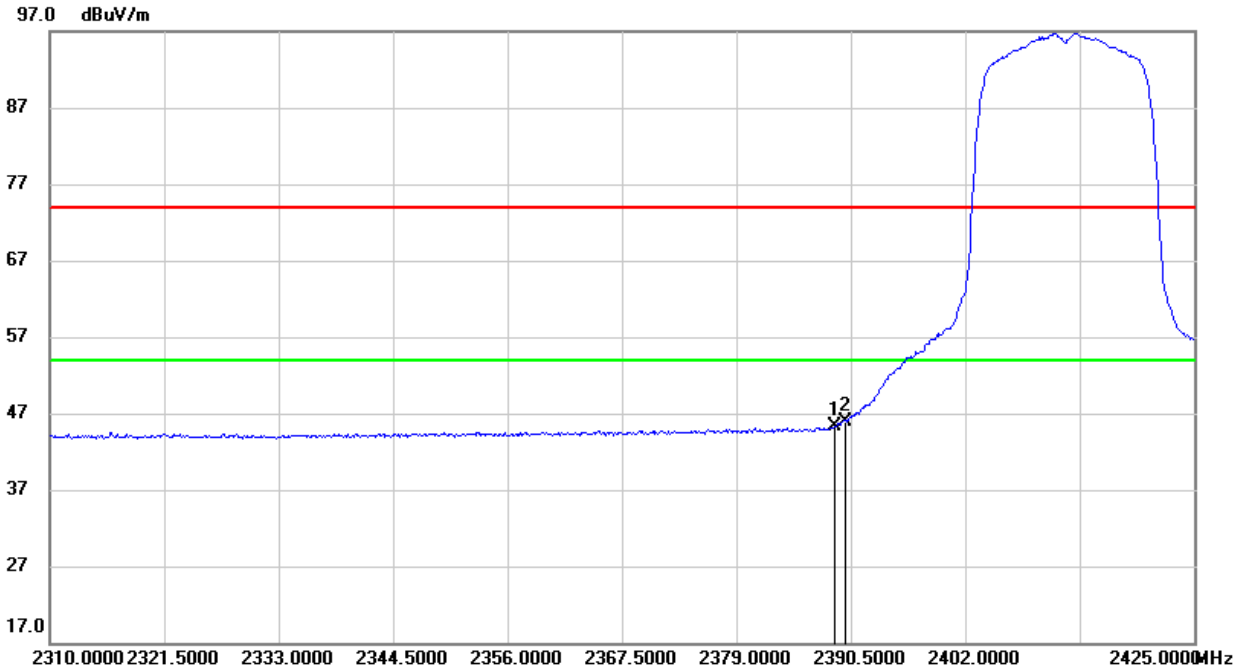
AVG



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.005	12.33	32.94	45.27	54.00	-8.73	AVG
2	2390.000	13.04	32.94	45.98	54.00	-8.02	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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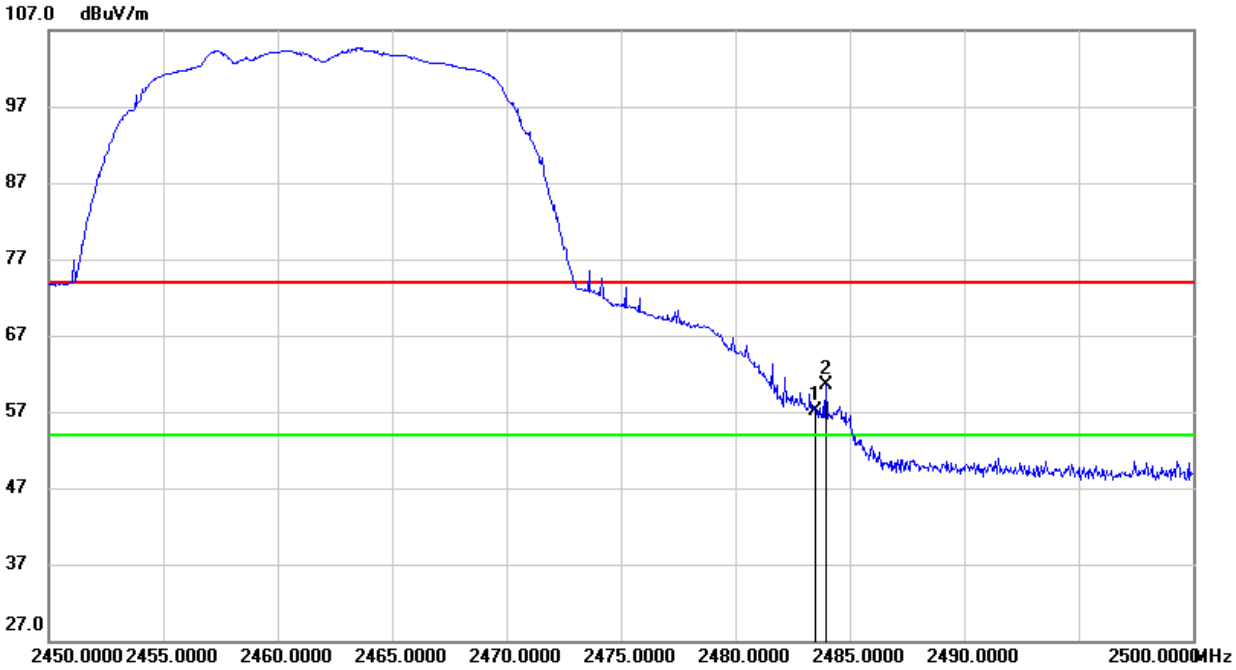
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	23.57	33.58	57.15	74.00	-16.85	peak
2	2483.950	27.02	33.58	60.60	74.00	-13.40	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.

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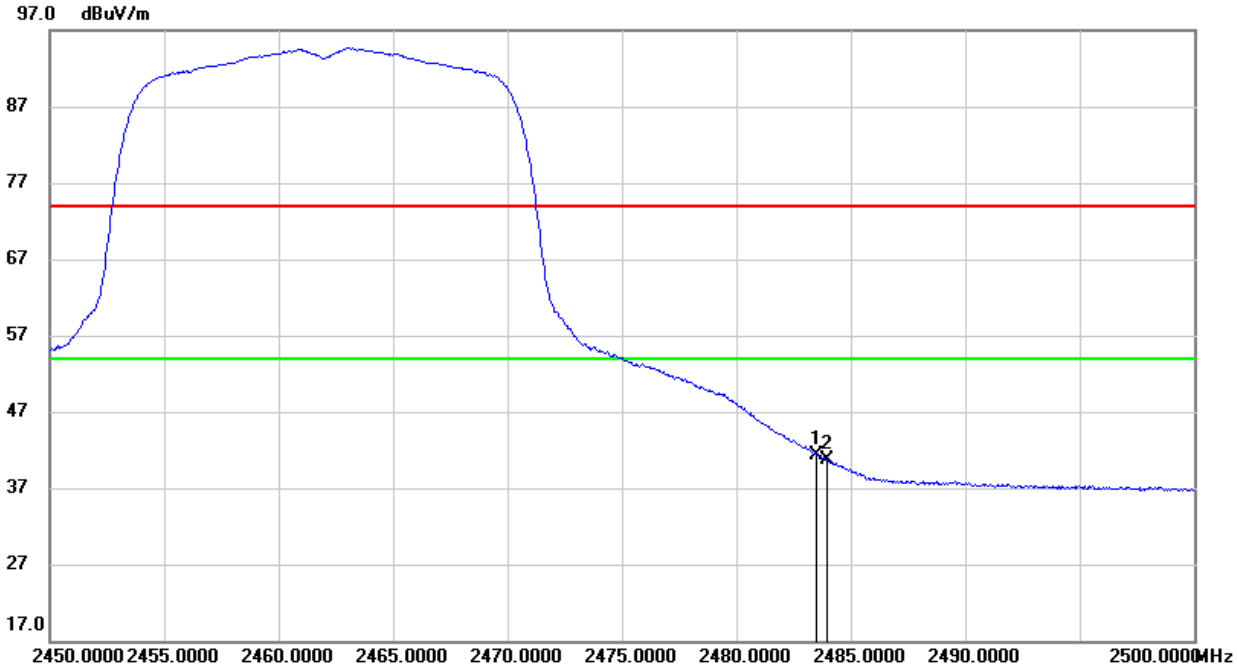
AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	7.81	33.58	41.39	54.00	-12.61	AVG
2	2483.950	7.20	33.58	40.78	54.00	-13.22	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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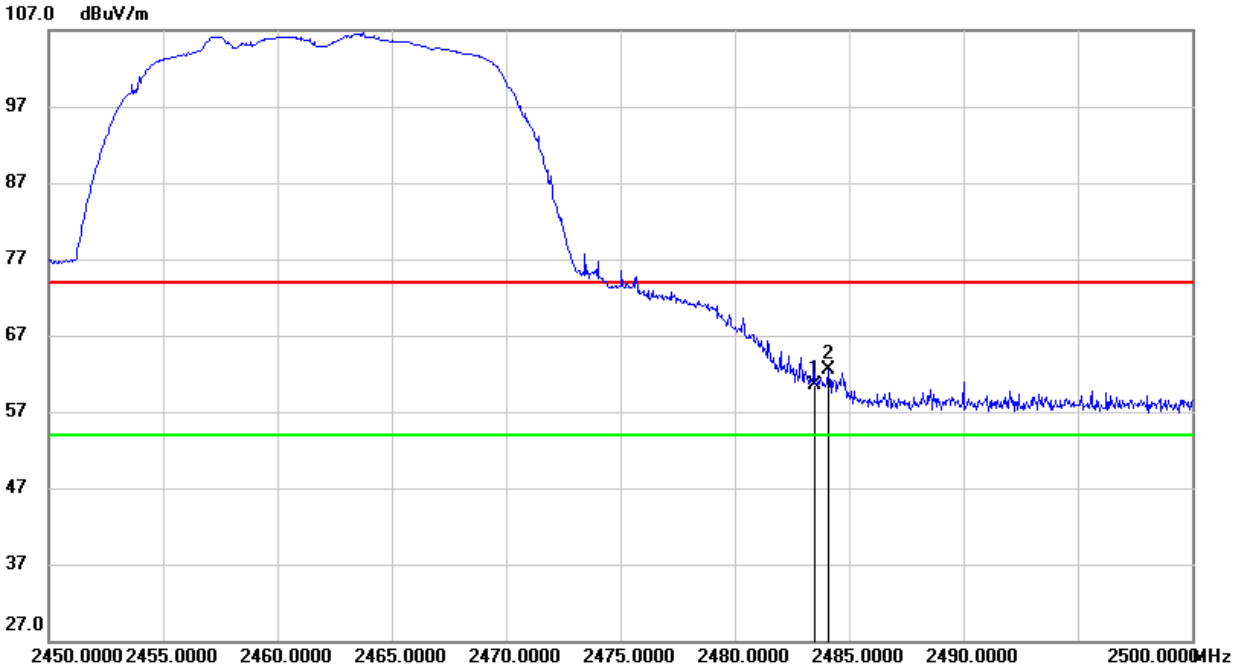
RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	27.02	33.58	60.60	74.00	-13.40	peak
2	2484.100	28.92	33.58	62.50	74.00	-11.50	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.

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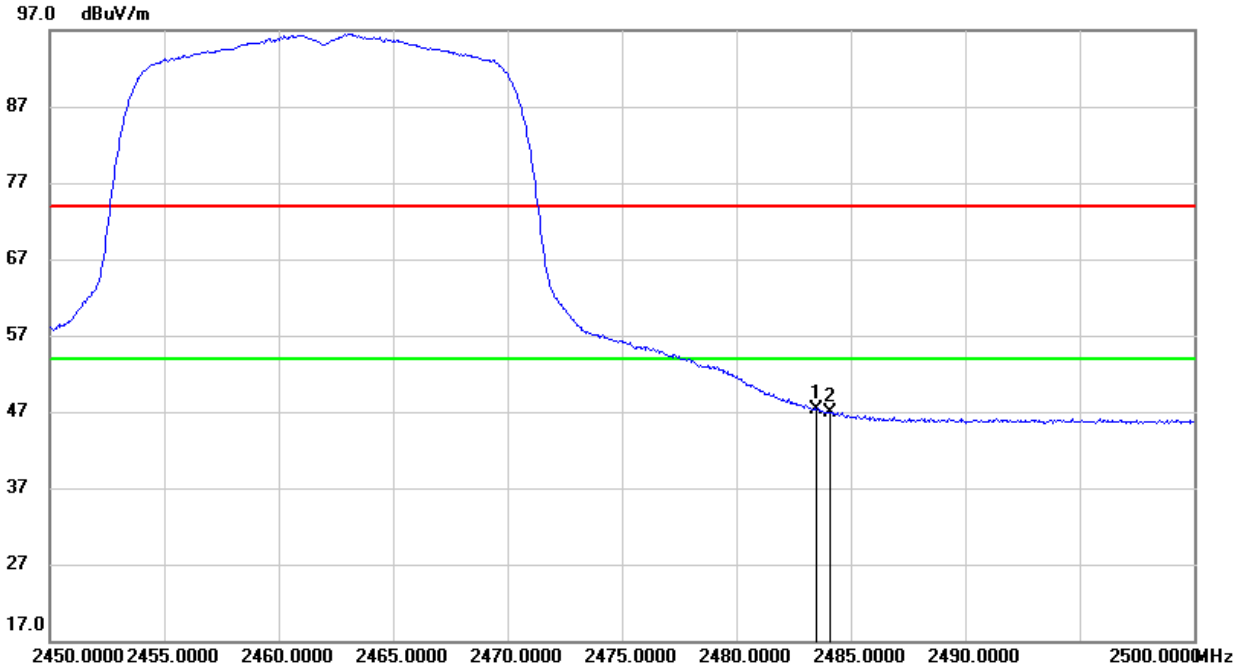
AVG



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	13.79	33.58	47.37	54.00	-6.63	AVG
2	2484.100	13.30	33.58	46.88	54.00	-7.12	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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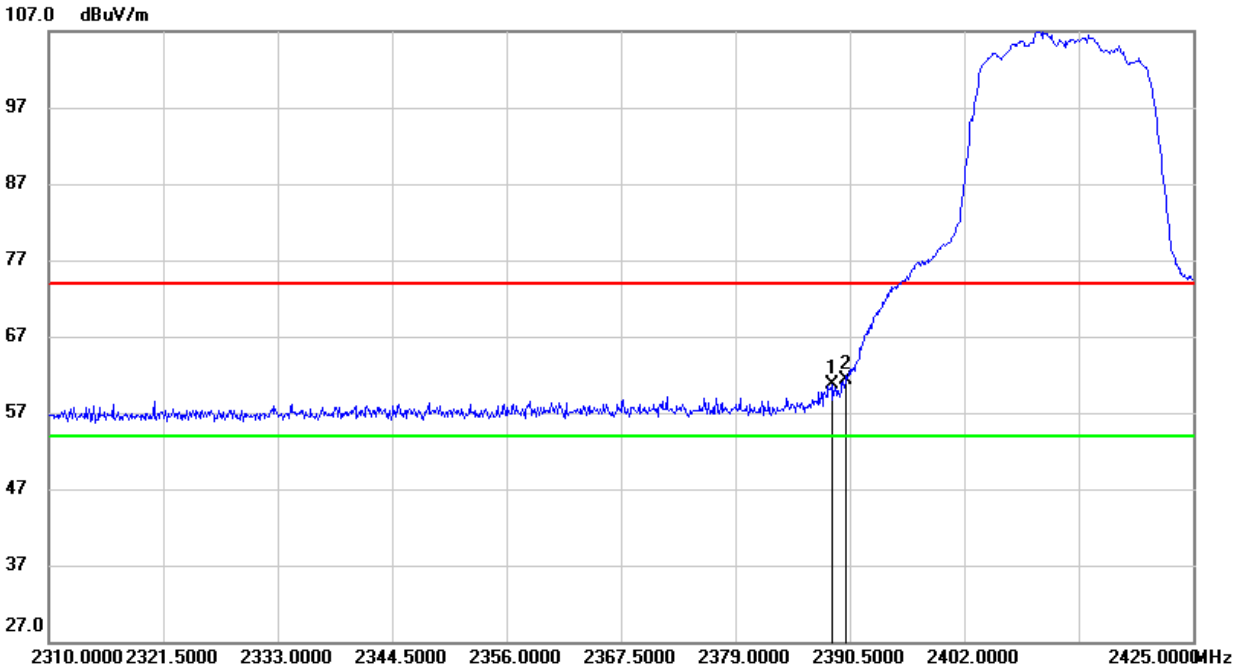
8.1.3. 802.11n HT20 MIMO MODE

2TX MODE (WORST-CASE CONFIGURATION)

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.660	27.85	32.94	60.79	74.00	-13.21	peak
2	2390.000	28.39	32.94	61.33	74.00	-12.67	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.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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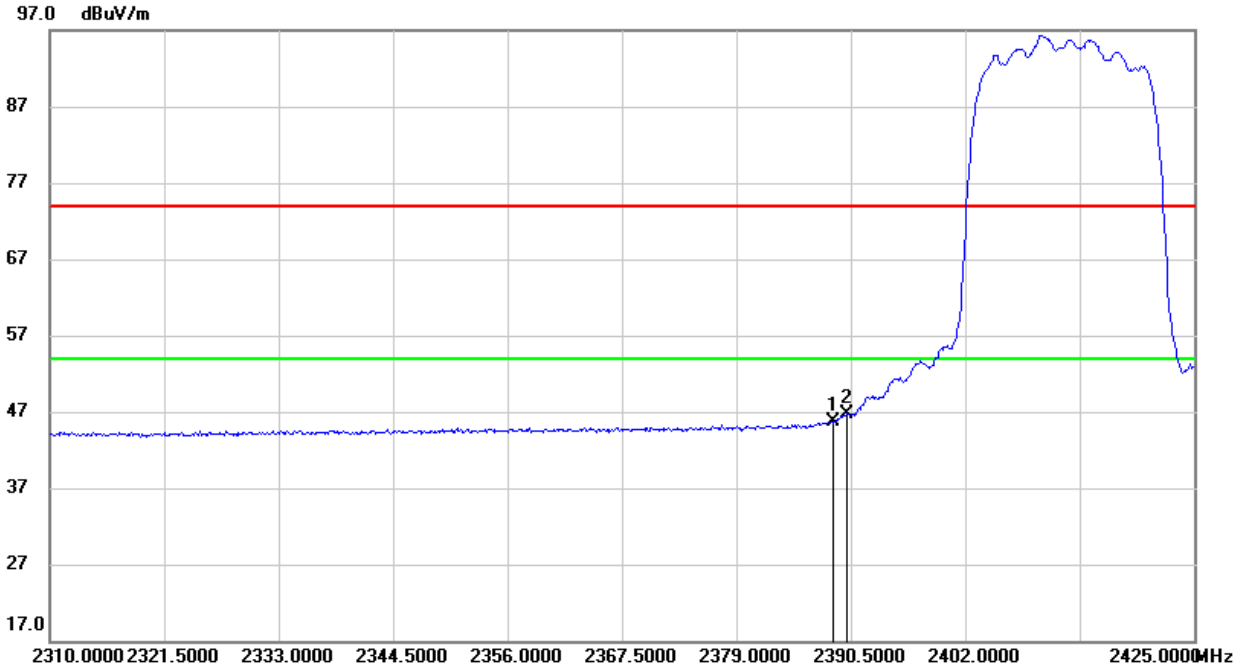
AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.660	12.69	32.94	45.63	54.00	-8.37	AVG
2	2390.000	13.72	32.94	46.66	54.00	-7.34	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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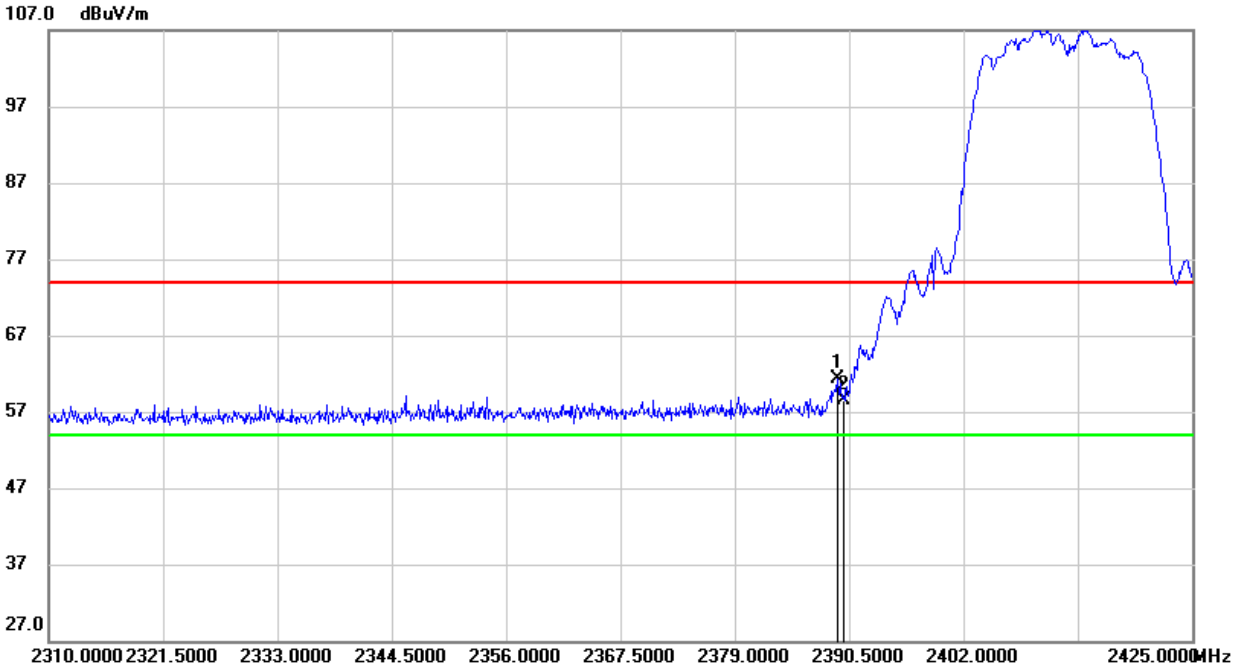
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.350	28.37	32.94	61.31	74.00	-12.69	peak
2	2390.000	25.60	32.94	58.54	74.00	-15.46	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.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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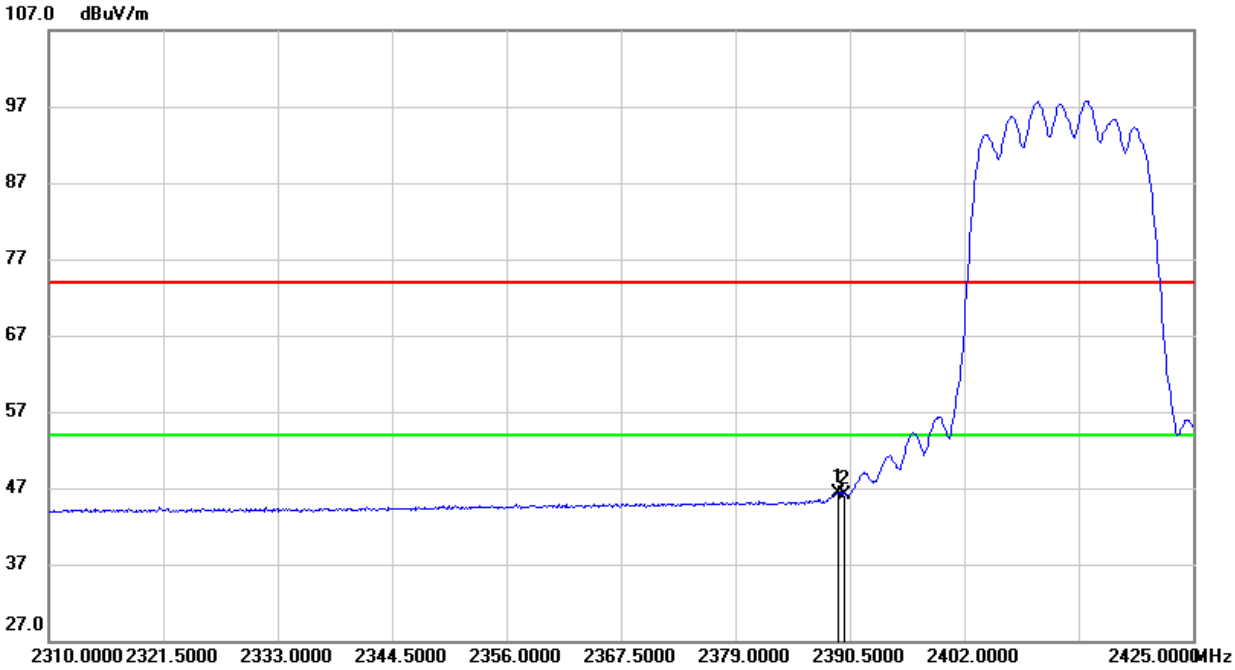
AVG



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.350	13.40	32.94	46.34	54.00	-7.66	AVG
2	2390.000	13.25	32.94	46.19	54.00	-7.81	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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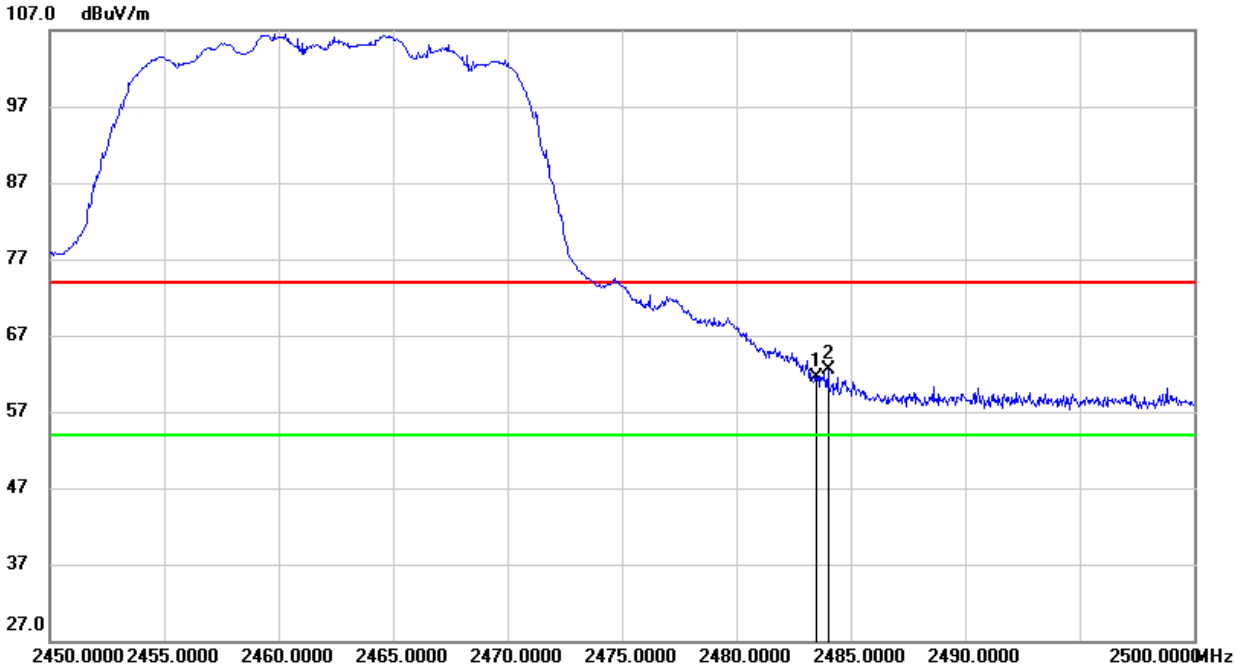
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	27.97	33.58	61.55	74.00	-12.45	peak
2	2484.000	28.85	33.58	62.43	74.00	-11.57	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.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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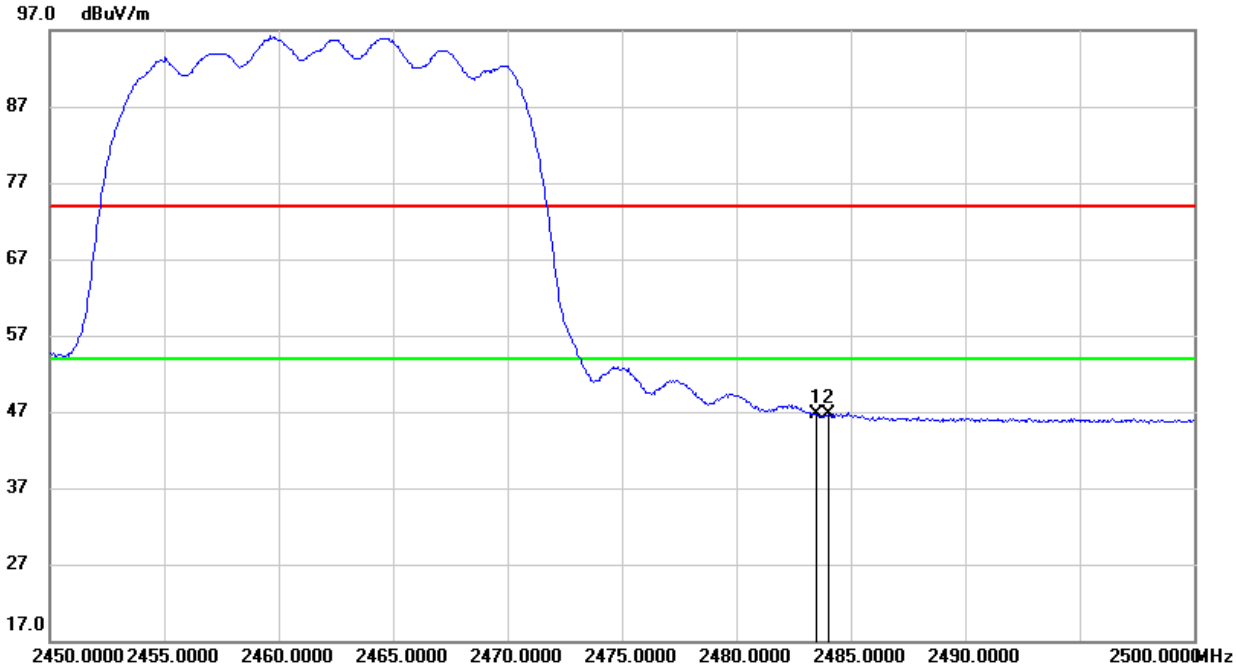
AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	13.14	33.58	46.72	54.00	-7.28	AVG
2	2484.000	13.09	33.58	46.67	54.00	-7.33	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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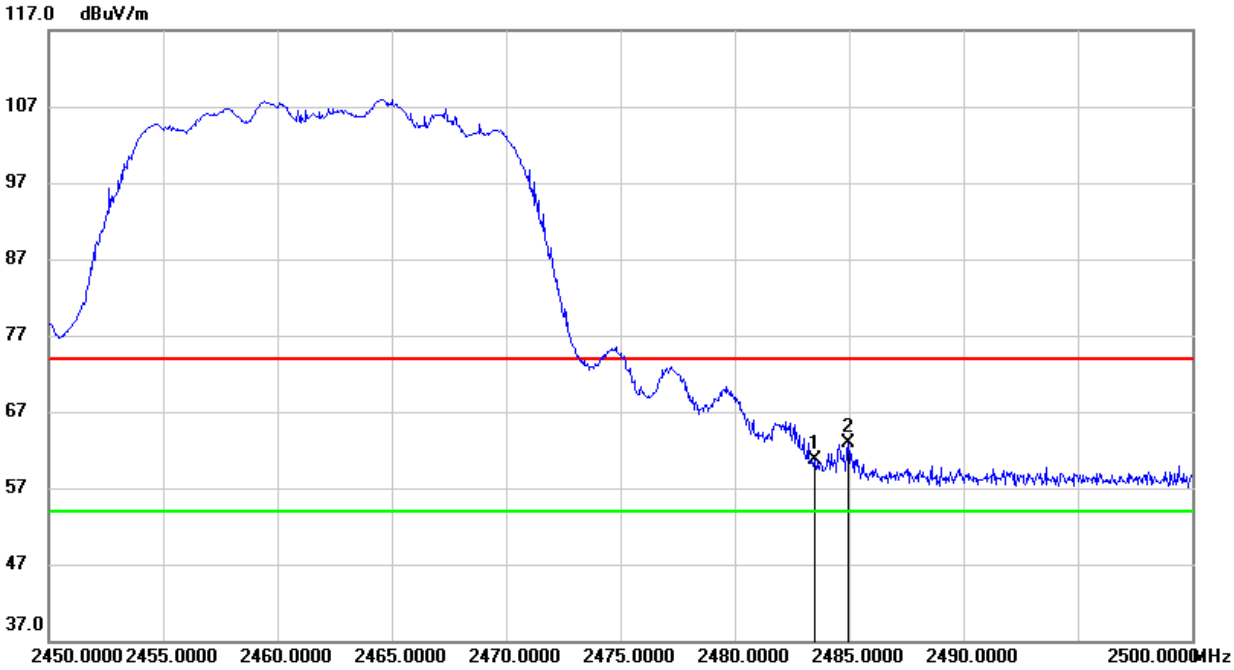
RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	27.05	33.58	60.63	74.00	-13.37	peak
2	2484.950	29.40	33.59	62.99	74.00	-11.01	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.

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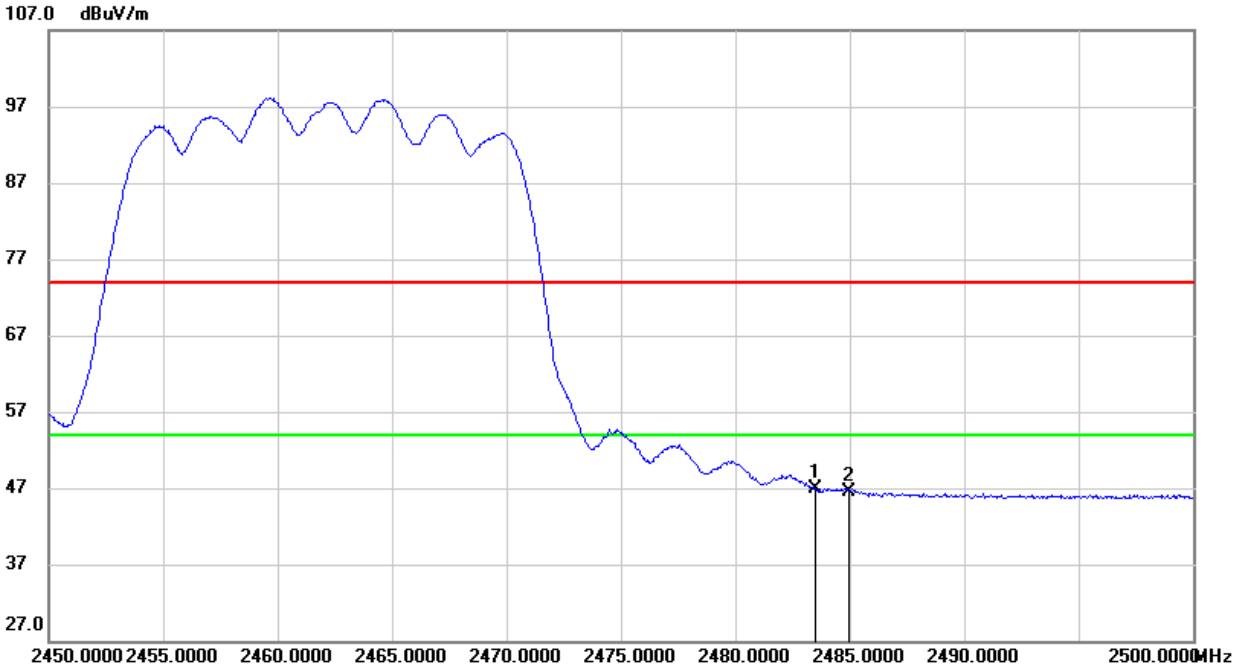
AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	13.37	33.58	46.95	54.00	-7.05	AVG
2	2484.950	12.95	33.59	46.54	54.00	-7.46	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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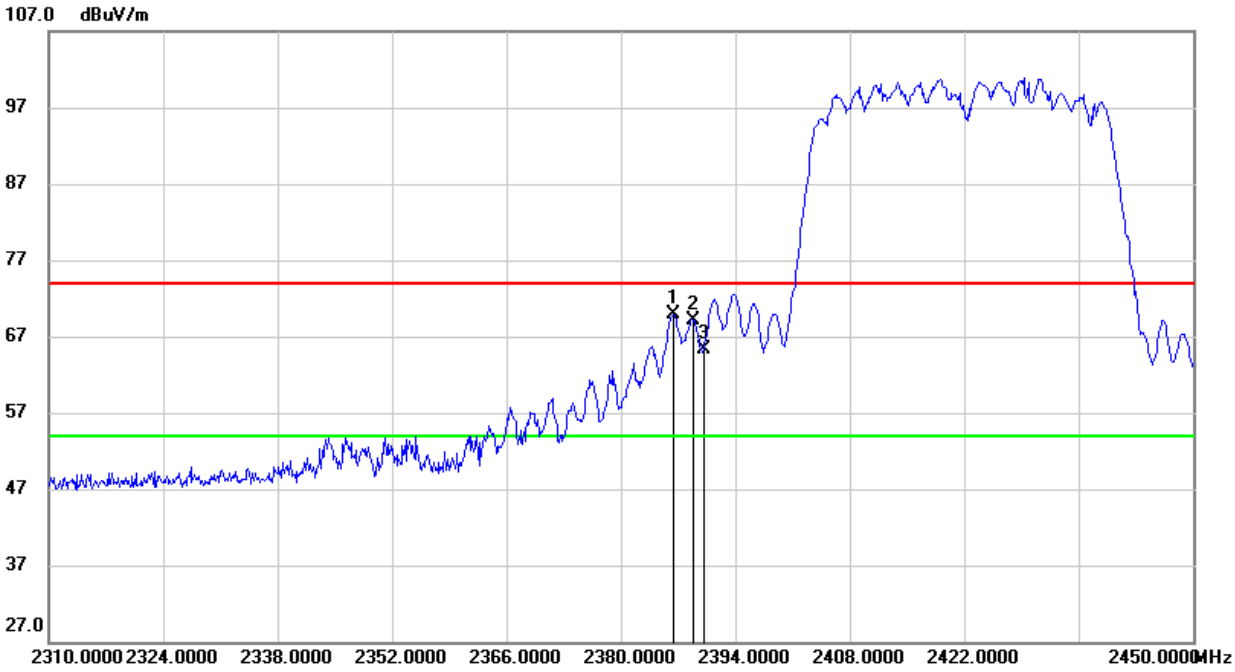
8.1.4. 802.11n HT40 MIMO MODE

2TX MODE (WORST-CASE CONFIGURATION)

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.440	36.92	32.94	69.86	74.00	-4.14	peak
2	2388.820	36.20	32.94	69.14	74.00	-4.86	peak
3	2390.000	32.29	32.94	65.23	74.00	-8.77	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.

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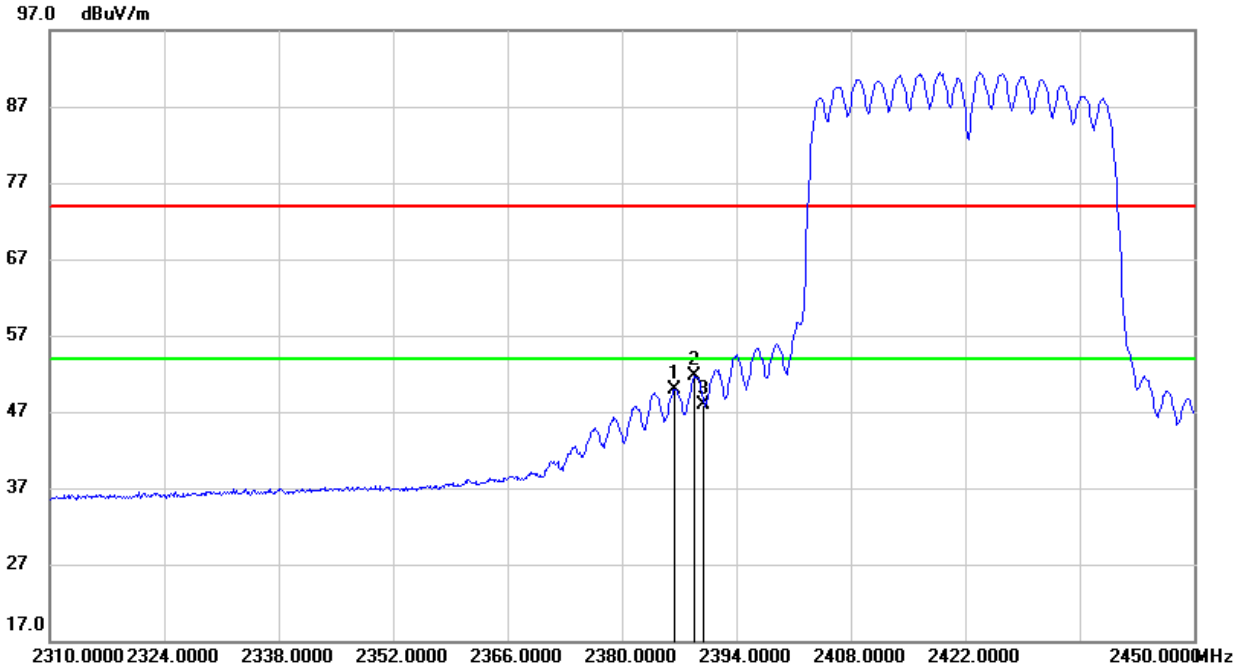
AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.440	16.87	32.94	49.81	54.00	-4.19	AVG
2	2388.820	18.70	32.94	51.64	54.00	-2.36	AVG
3	2390.000	15.01	32.94	47.95	54.00	-6.05	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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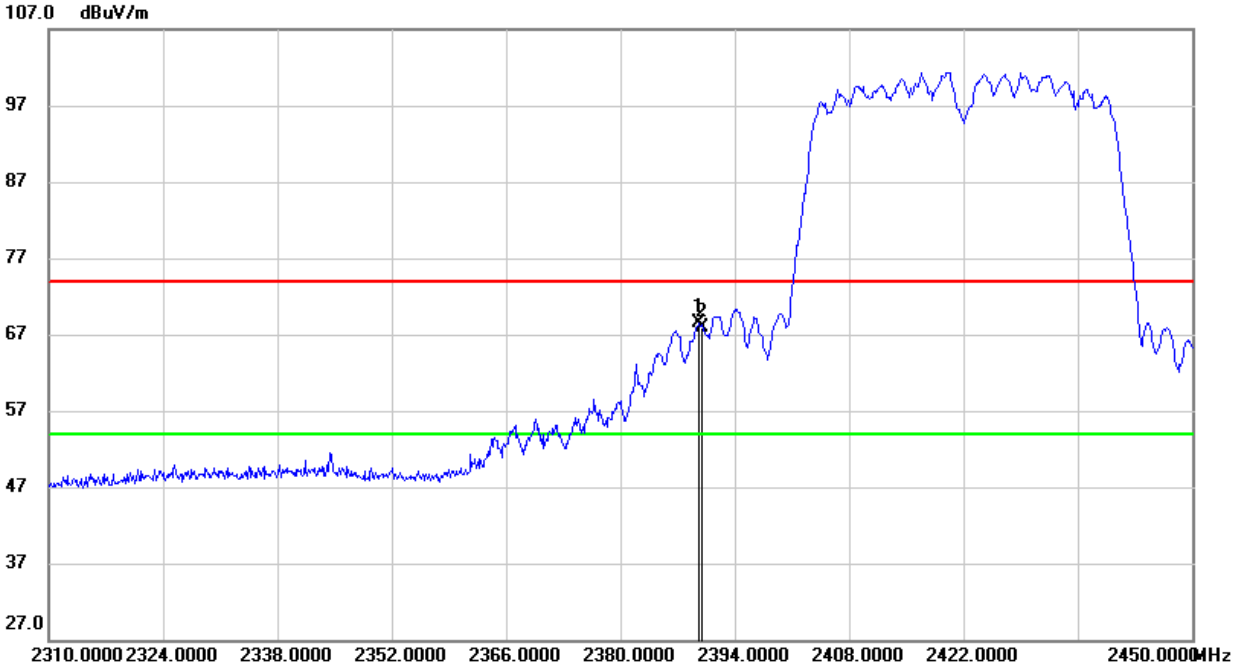
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.660	35.60	32.94	68.54	74.00	-5.46	peak
2	2390.000	34.91	32.94	67.85	74.00	-6.15	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.

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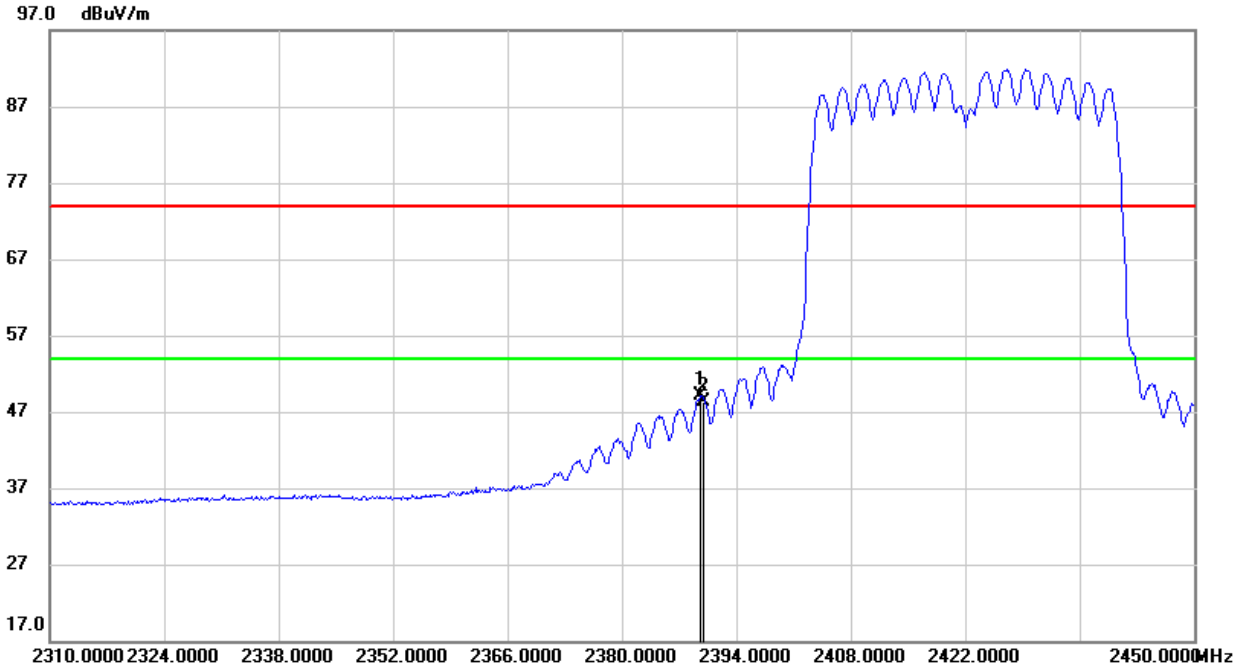
AVG



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.660	16.23	32.94	49.17	54.00	-4.83	AVG
2	2390.000	15.39	32.94	48.33	54.00	-5.67	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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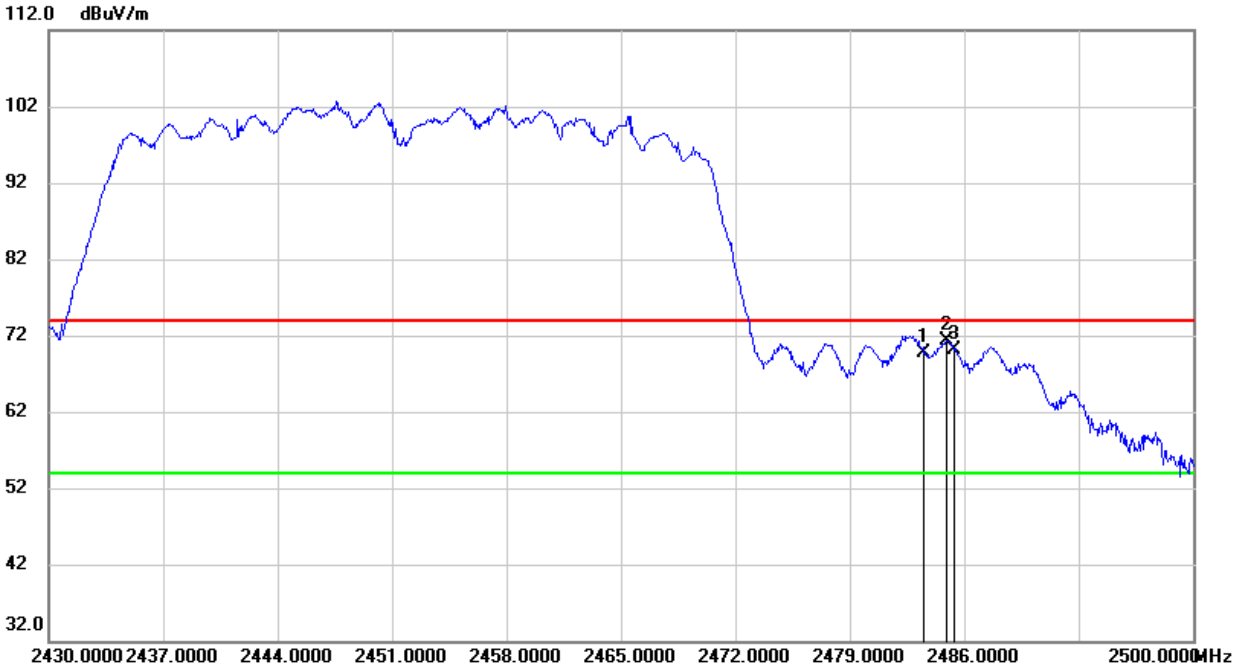
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)

PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	36.15	33.58	69.73	74.00	-4.27	peak
2	2484.950	37.70	33.59	71.29	74.00	-2.71	peak
3	2485.370	36.60	33.59	70.19	74.00	-3.81	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.

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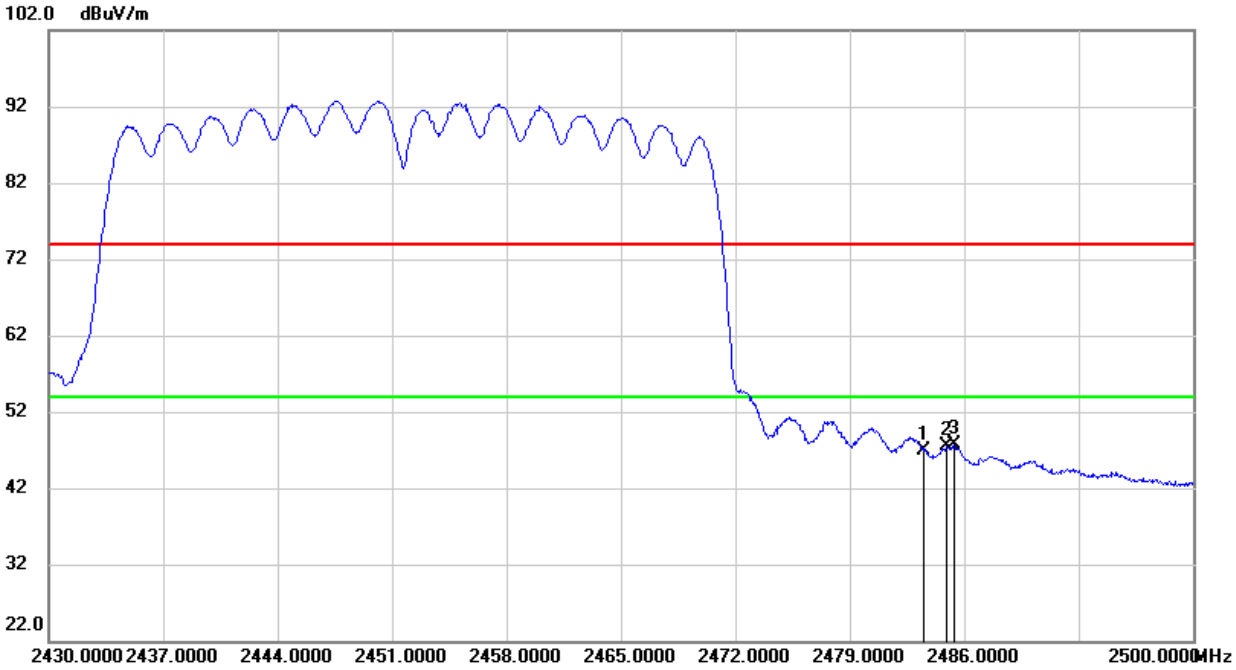
AVG



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	13.24	33.58	46.82	54.00	-7.18	AVG
2	2484.950	13.84	33.59	47.43	54.00	-6.57	AVG
3	2485.370	14.06	33.59	47.65	54.00	-6.35	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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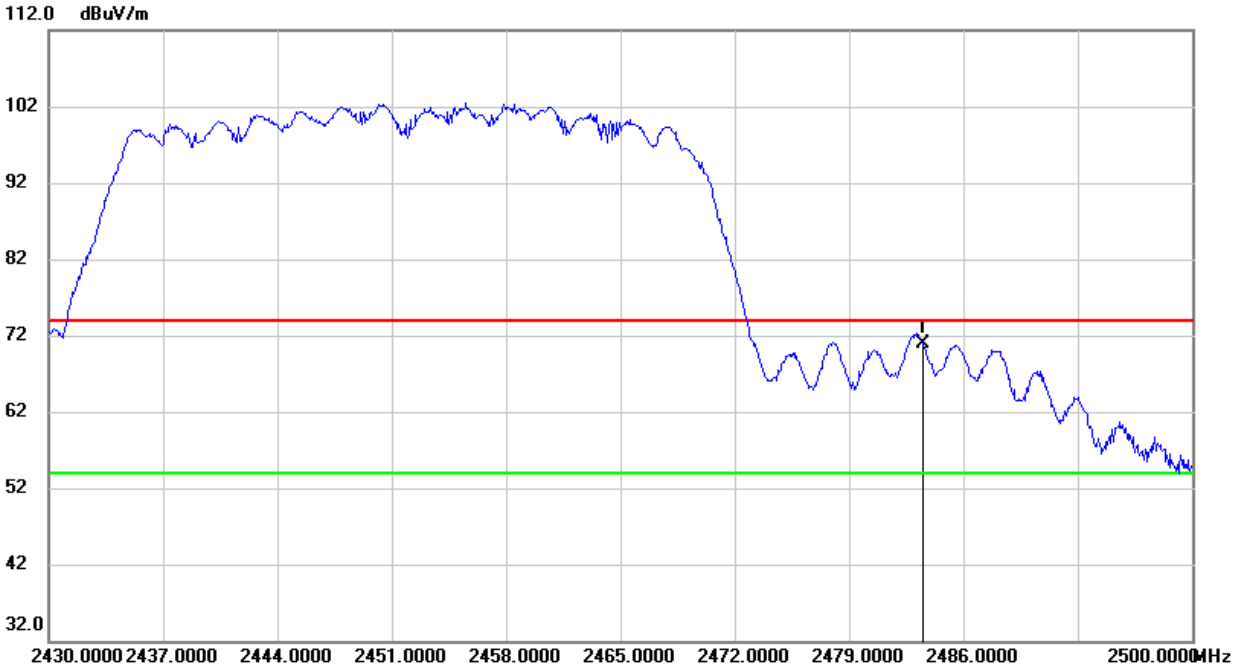
RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	37.26	33.58	70.84	74.00	-3.16	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.

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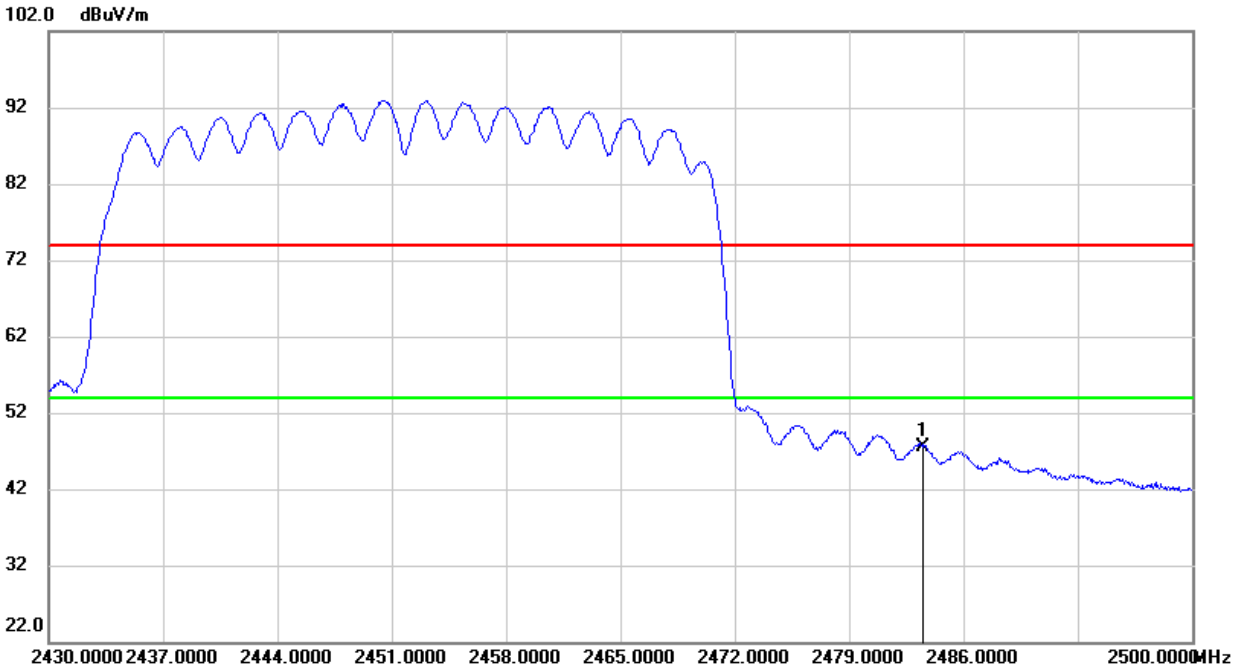
AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	13.97	33.58	47.55	54.00	-6.45	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 7.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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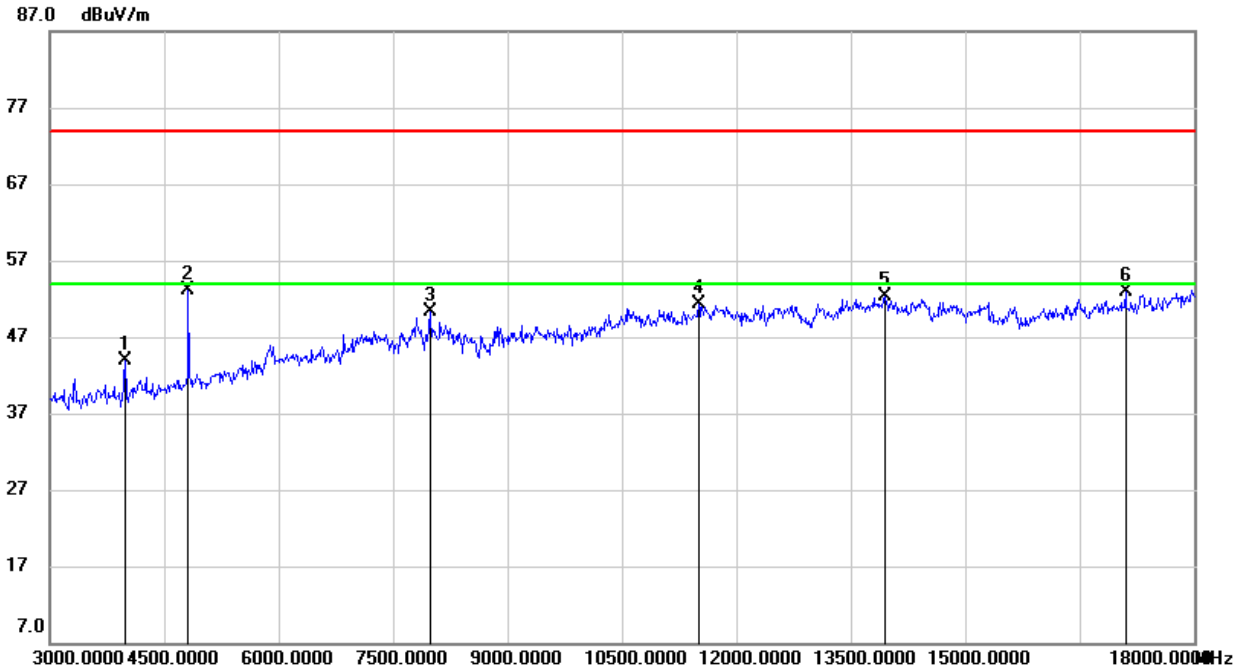
8.2. SPURIOUS EMISSIONS (3~18GHz)

8.2.1. 802.11b SISO MODE

1TX MODE FOR ANT0 (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	46.74	-2.80	43.94	74.00	-30.06	peak
2	4815.000	53.12	-0.10	53.02	74.00	-20.98	peak
3	7980.000	41.91	8.49	50.40	74.00	-23.60	peak
4	11505.000	36.87	14.50	51.37	74.00	-22.63	peak
5	13950.000	35.58	16.69	52.27	74.00	-21.73	peak
6	17100.000	31.90	21.04	52.94	74.00	-21.06	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.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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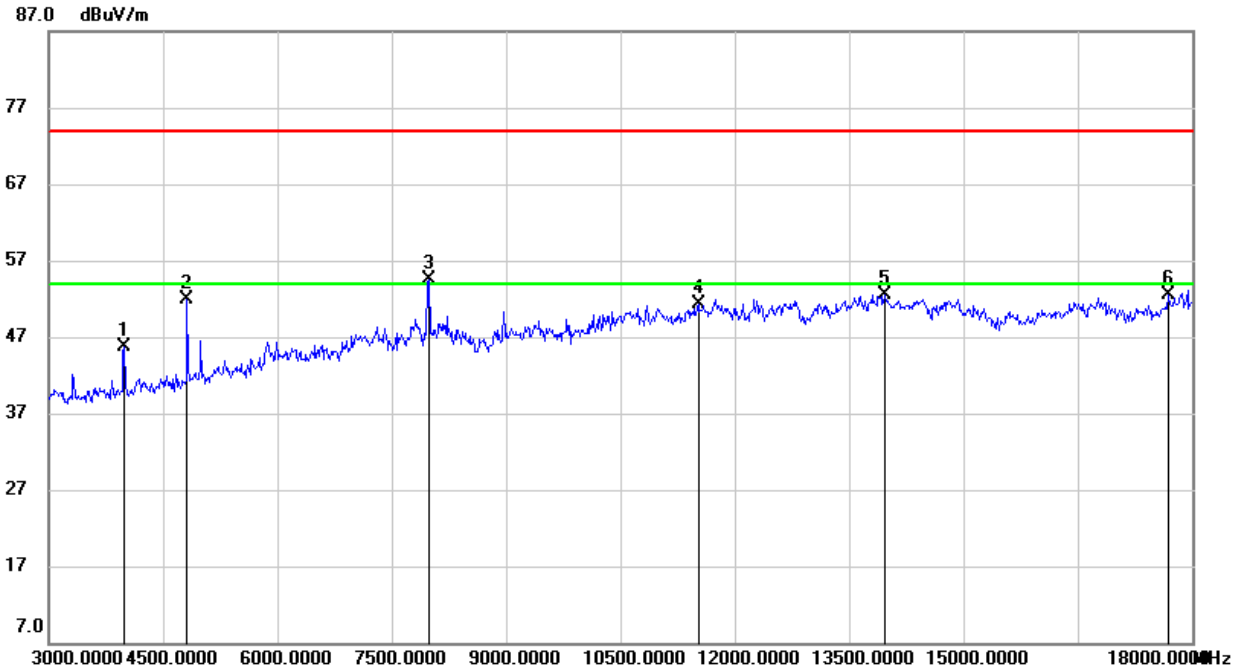
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	48.51	-2.80	45.71	74.00	-28.29	peak
2	4815.000	52.00	-0.10	51.90	74.00	-22.10	peak
3	8000.000	46.12	8.43	54.55	74.00	-19.45	peak
4	11520.000	36.80	14.46	51.26	74.00	-22.74	peak
5	13965.000	35.78	16.68	52.46	74.00	-21.54	peak
6	17685.000	30.00	22.43	52.43	74.00	-21.57	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.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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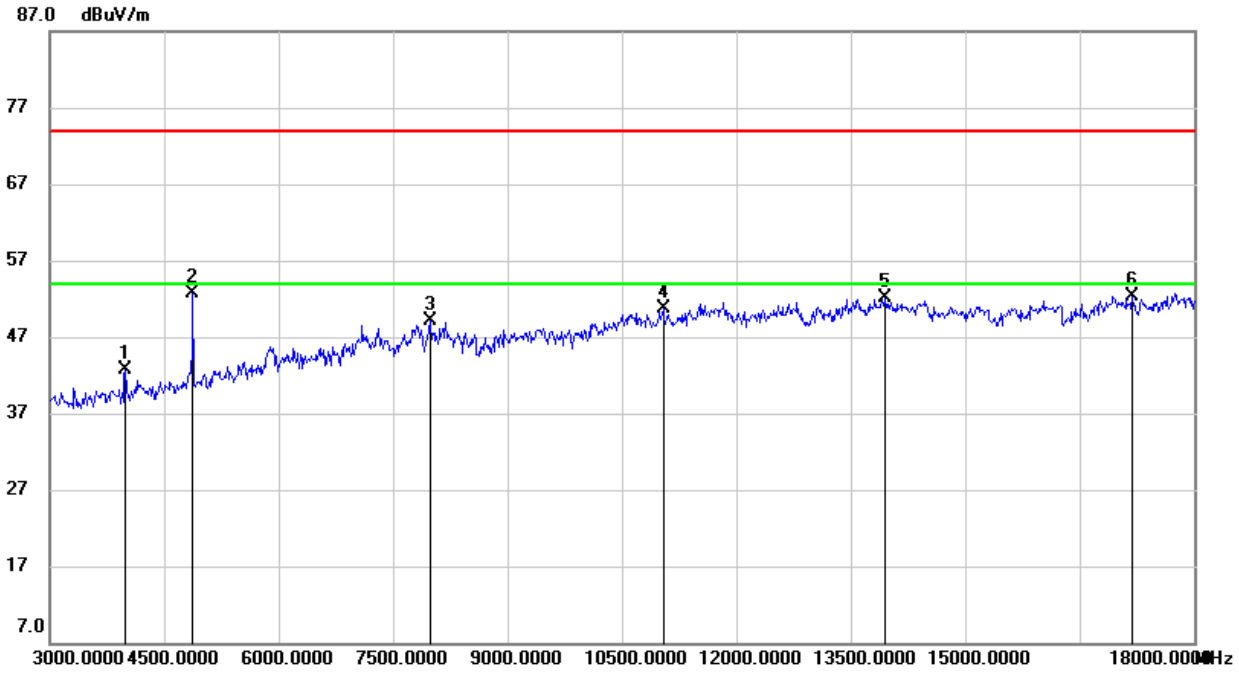
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	45.60	-2.80	42.80	74.00	-31.20	peak
2	4875.000	52.69	0.10	52.79	74.00	-21.21	peak
3	7980.000	40.54	8.49	49.03	74.00	-24.97	peak
4	11040.000	37.11	13.63	50.74	74.00	-23.26	peak
5	13950.000	35.35	16.69	52.04	74.00	-21.96	peak
6	17190.000	31.04	21.24	52.28	74.00	-21.72	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.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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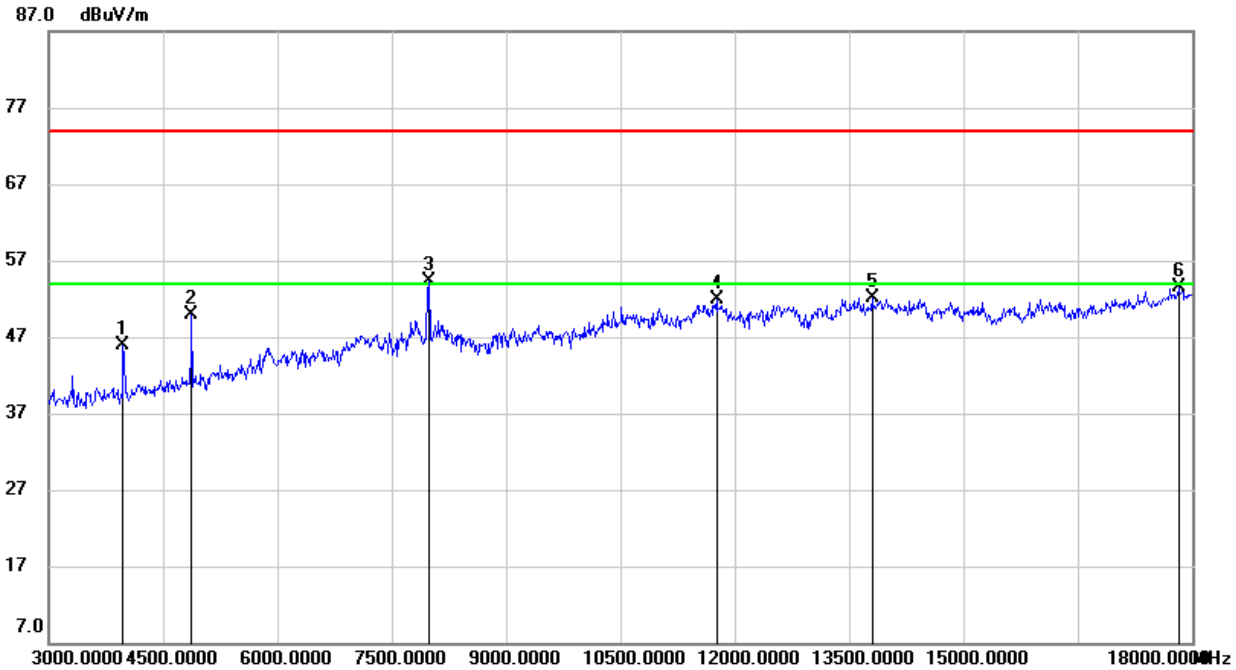
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	48.65	-2.81	45.84	74.00	-28.16	peak
2	4875.000	49.73	0.10	49.83	74.00	-24.17	peak
3	7995.000	45.79	8.45	53.84	74.00	-20.16	peak
4	11760.000	37.75	14.21	51.96	74.00	-22.04	peak
5	13800.000	34.59	17.60	52.19	74.00	-21.81	peak
6	17820.000	30.10	23.34	53.44	74.00	-20.56	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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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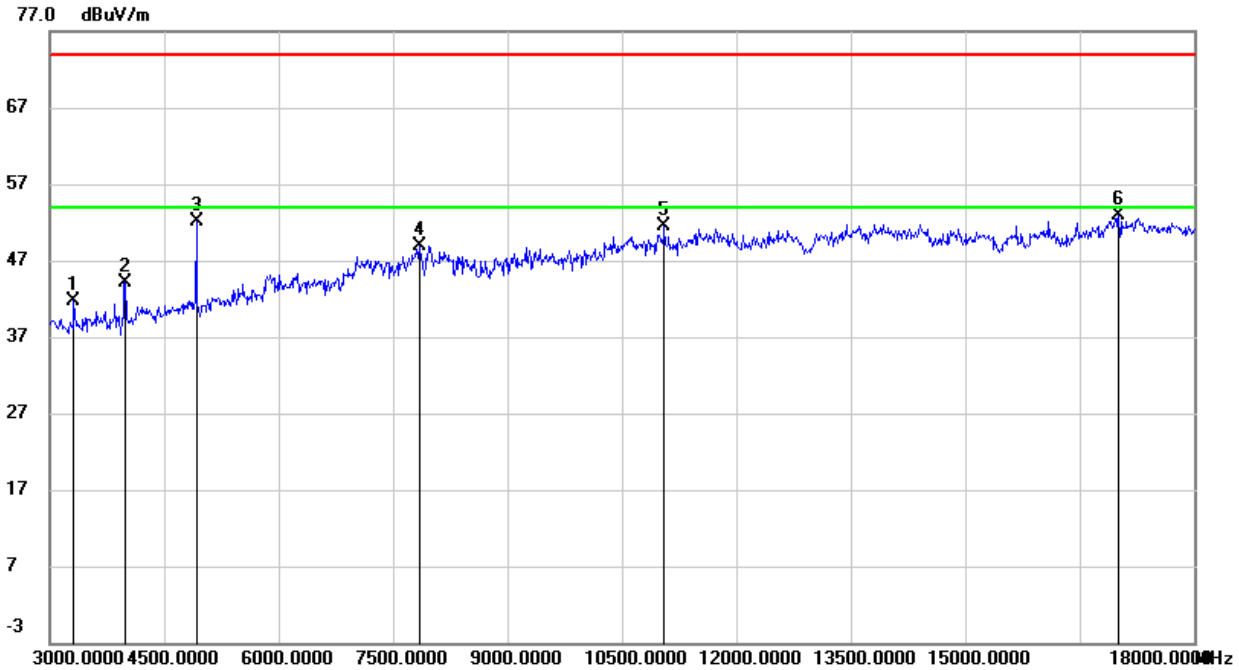
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3315.000	45.99	-4.22	41.77	74.00	-32.23	peak
2	3990.000	46.90	-2.80	44.10	74.00	-29.90	peak
3	4920.000	51.86	0.26	52.12	74.00	-21.88	peak
4	7845.000	39.87	9.12	48.99	74.00	-25.01	peak
5	11055.000	37.86	13.61	51.47	74.00	-22.53	peak
6	17010.000	31.95	20.87	52.82	74.00	-21.18	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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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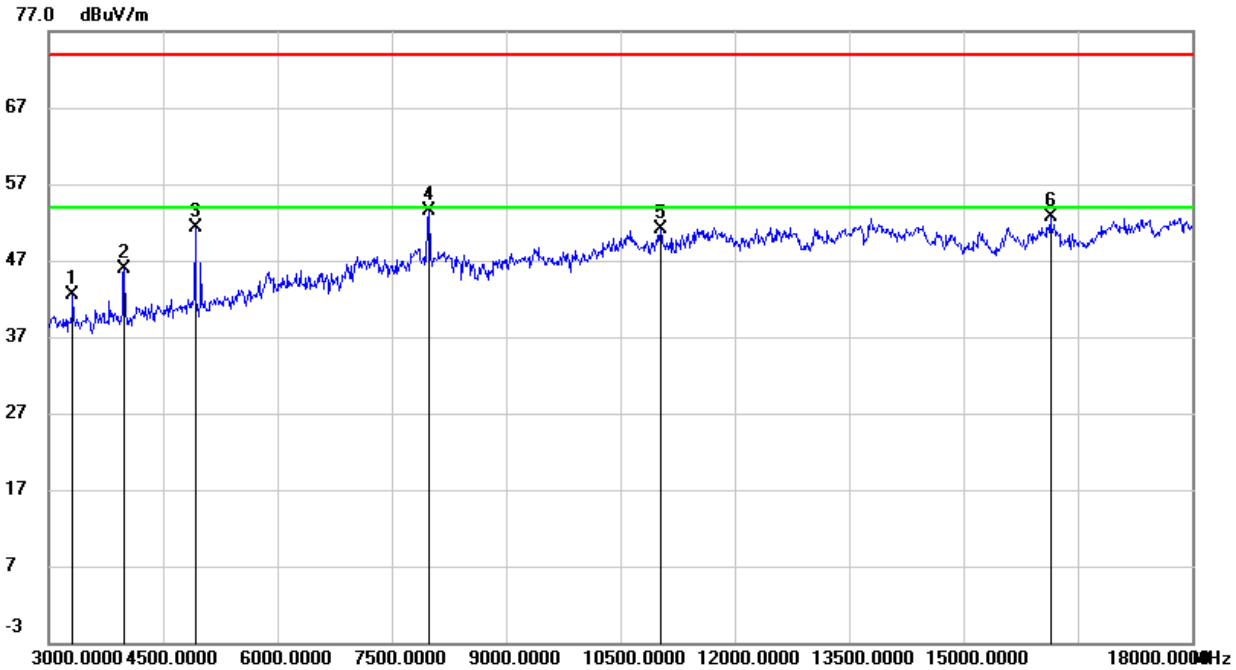
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3315.000	46.64	-4.22	42.42	74.00	-31.58	peak
2	3990.000	48.67	-2.80	45.87	74.00	-28.13	peak
3	4920.000	50.99	0.26	51.25	74.00	-22.75	peak
4	7980.000	44.96	8.49	53.45	74.00	-20.55	peak
5	11025.000	37.51	13.64	51.15	74.00	-22.85	peak
6	16140.000	34.34	18.27	52.61	74.00	-21.39	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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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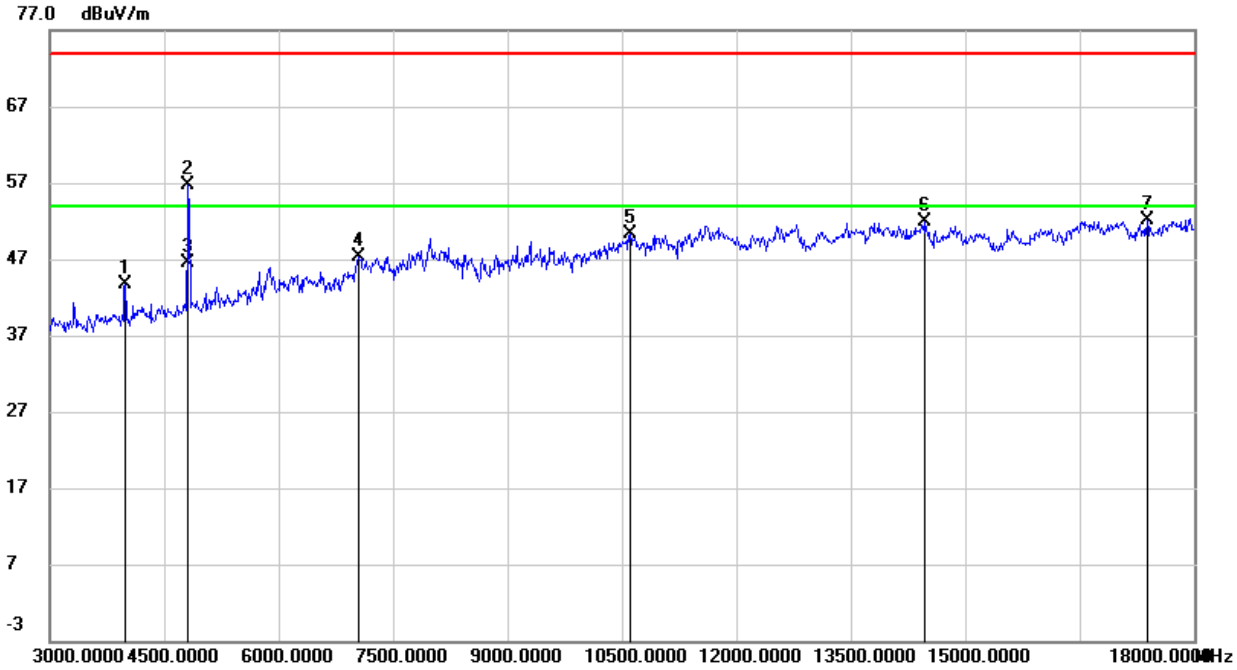
8.2.2. 802.11g SISO MODE

1TX MODE FOR ANT0 (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	46.41	-2.80	43.61	74.00	-30.39	peak
2	4825.465	56.69	-0.05	56.64	74.00	-17.36	peak
3	4825.465	46.60	-0.05	46.55	54.00	-7.45	AVG
4	7050.000	40.28	7.01	47.29	74.00	-26.71	peak
5	10605.000	37.36	12.88	50.24	74.00	-23.76	peak
6	14460.000	35.24	16.65	51.89	74.00	-22.11	peak
7	17385.000	30.44	21.71	52.15	74.00	-21.85	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. AVG: VBW=1/Ton where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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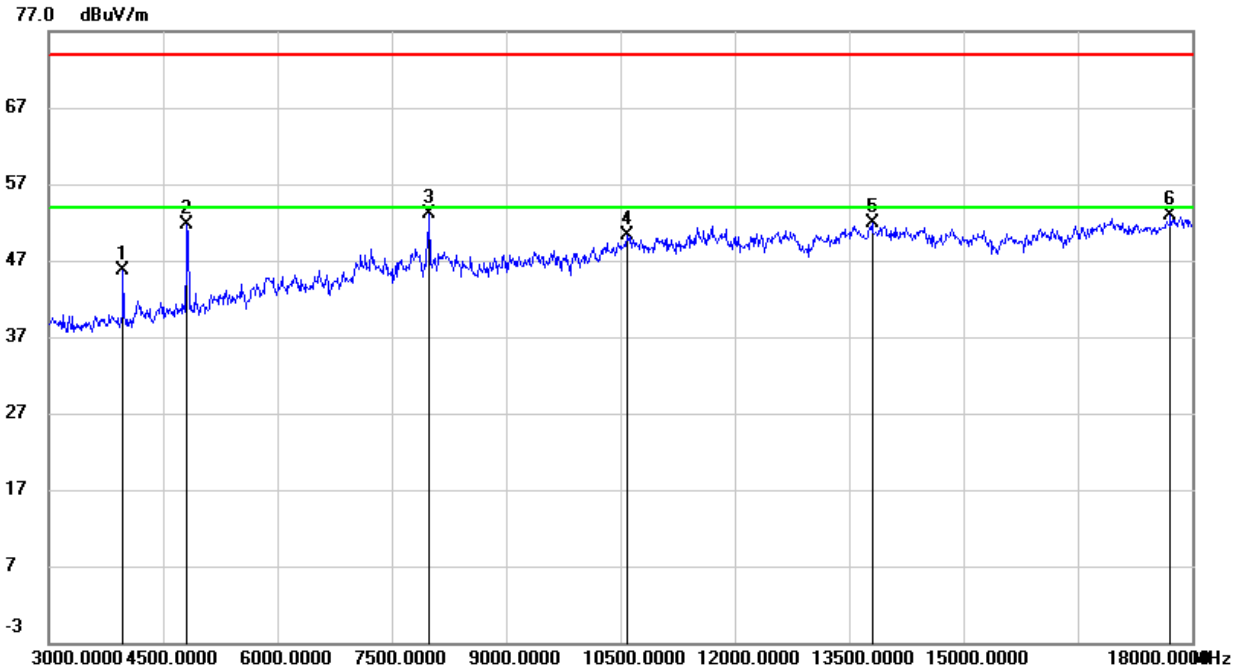
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	48.45	-2.81	45.64	74.00	-28.36	peak
2	4815.000	51.86	-0.10	51.76	74.00	-22.24	peak
3	7995.000	44.67	8.45	53.12	74.00	-20.88	peak
4	10590.000	37.49	12.83	50.32	74.00	-23.68	peak
5	13800.000	34.36	17.60	51.96	74.00	-22.04	peak
6	17715.000	30.21	22.65	52.86	74.00	-21.14	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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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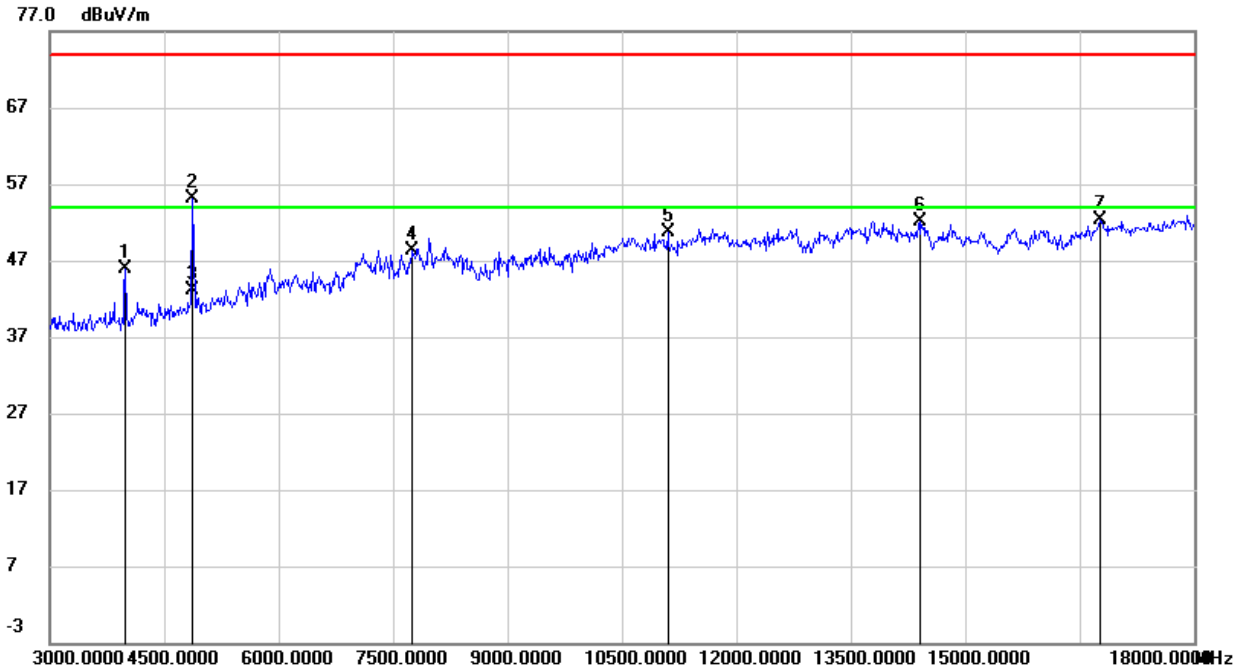
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	48.70	-2.80	45.90	74.00	-28.10	peak
2	4876.050	54.95	0.10	55.05	74.00	-18.95	peak
3	4876.050	42.98	0.10	43.08	54.00	-10.92	AVG
4	7755.000	39.51	8.75	48.26	74.00	-25.74	peak
5	11100.000	37.04	13.59	50.63	74.00	-23.37	peak
6	14400.000	35.44	16.68	52.12	74.00	-21.88	peak
7	16770.000	32.05	20.28	52.33	74.00	-21.67	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.
4. AVG: VBW=1/Ton where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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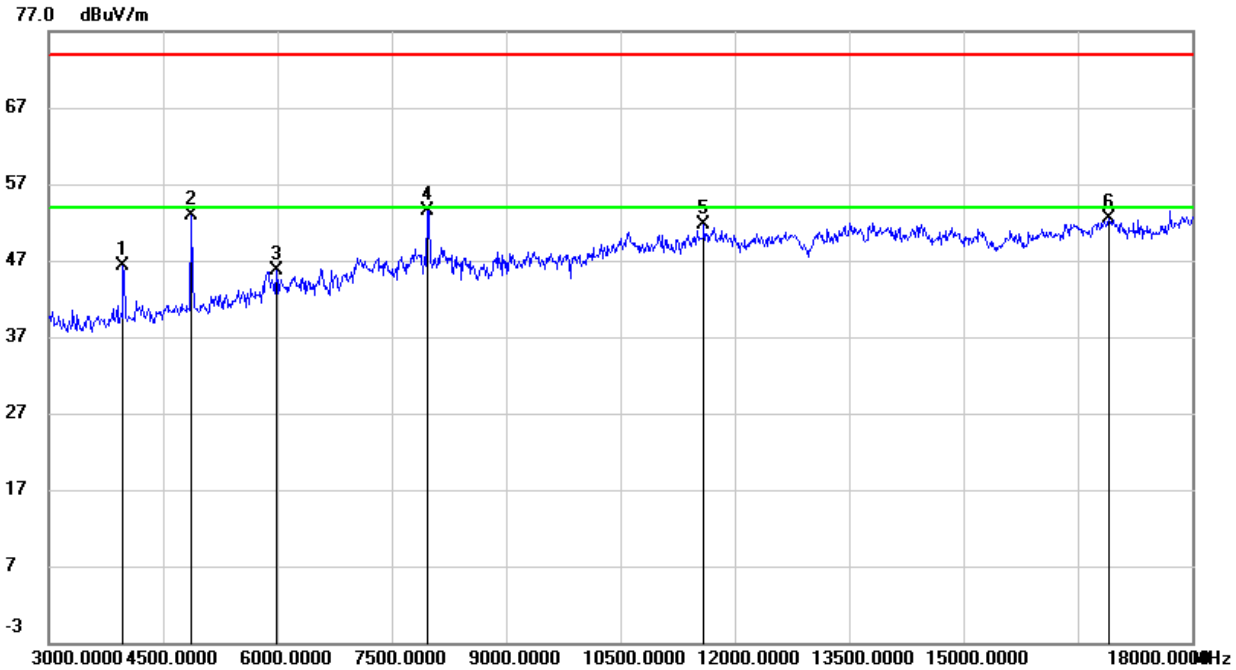
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	49.21	-2.81	46.40	74.00	-27.60	peak
2	4860.000	52.83	0.05	52.88	74.00	-21.12	peak
3	5985.000	41.44	4.20	45.64	74.00	-28.36	peak
4	7965.000	44.94	8.55	53.49	74.00	-20.51	peak
5	11595.000	37.36	14.28	51.64	74.00	-22.36	peak
6	16905.000	32.08	20.39	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.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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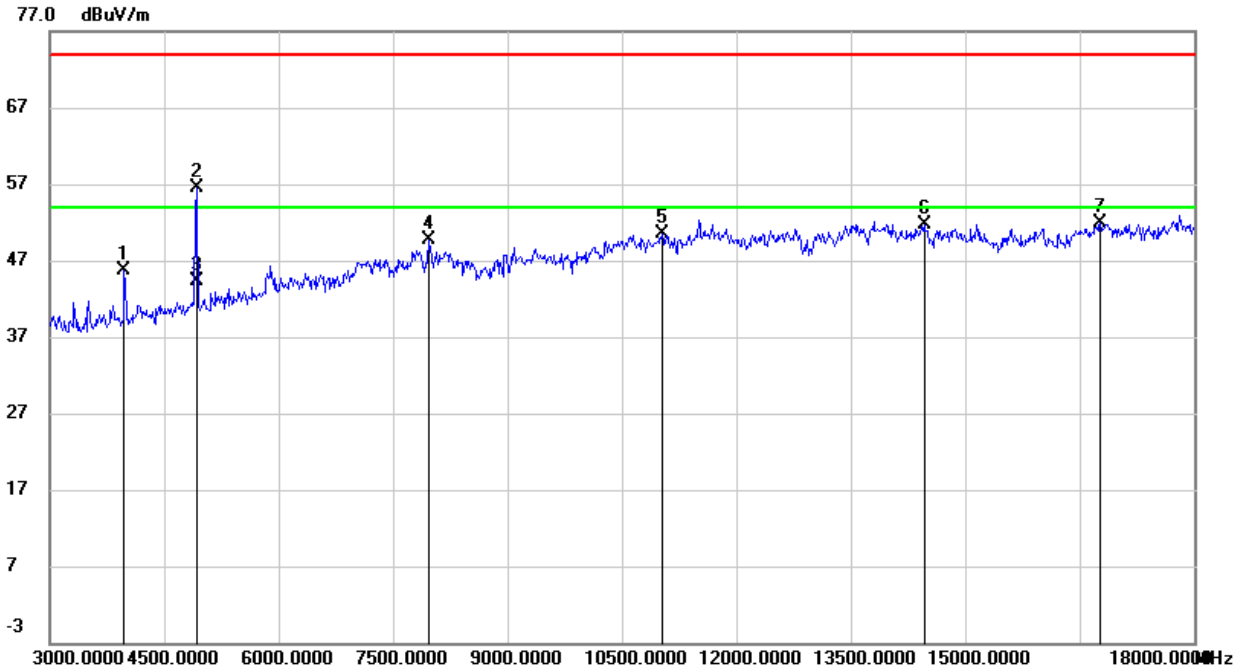
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	48.47	-2.81	45.66	74.00	-28.34	peak
2	4925.737	56.13	0.30	56.43	74.00	-17.57	peak
3	4925.737	44.05	0.30	44.35	54.00	-9.65	AVG
4	7965.000	41.24	8.55	49.79	74.00	-24.21	peak
5	11025.000	36.78	13.64	50.42	74.00	-23.58	peak
6	14460.000	35.14	16.65	51.79	74.00	-22.21	peak
7	16770.000	31.56	20.28	51.84	74.00	-22.16	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. AVG: VBW=1/Ton where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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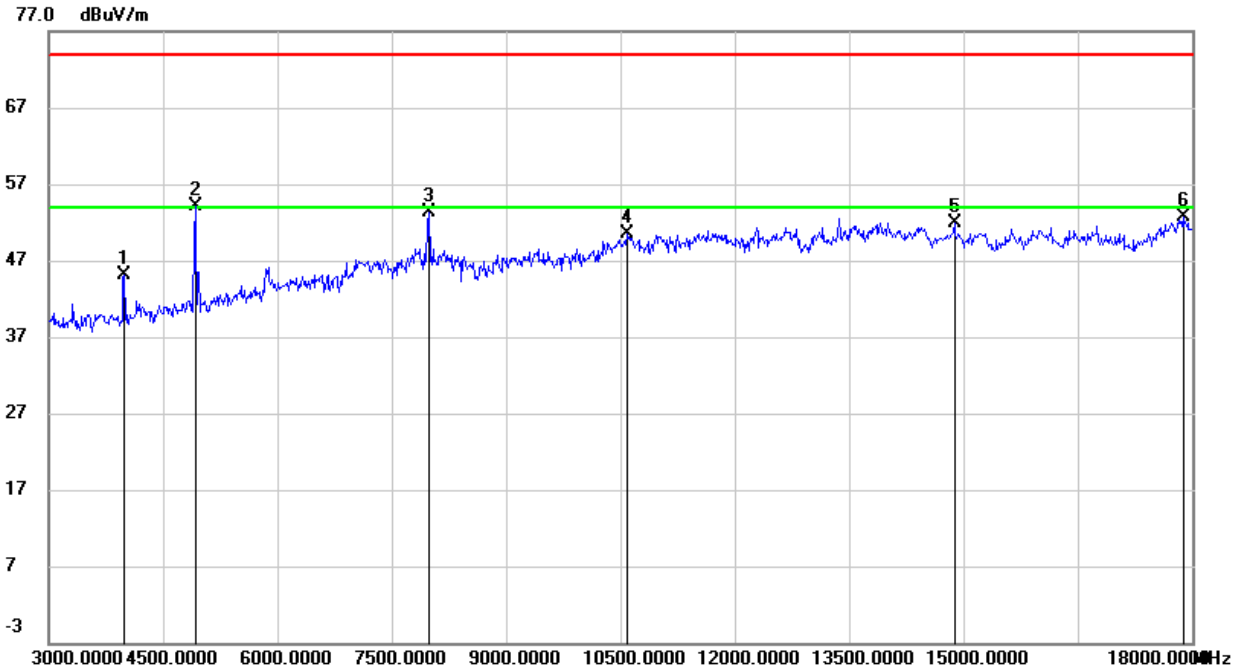
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	47.93	-2.80	45.13	74.00	-28.87	peak
2	4920.000	53.87	0.26	54.13	74.00	-19.87	peak
3	7980.000	44.75	8.49	53.24	74.00	-20.76	peak
4	10590.000	37.77	12.83	50.60	74.00	-23.40	peak
5	14880.000	35.84	16.00	51.84	74.00	-22.16	peak
6	17880.000	29.31	23.34	52.65	74.00	-21.35	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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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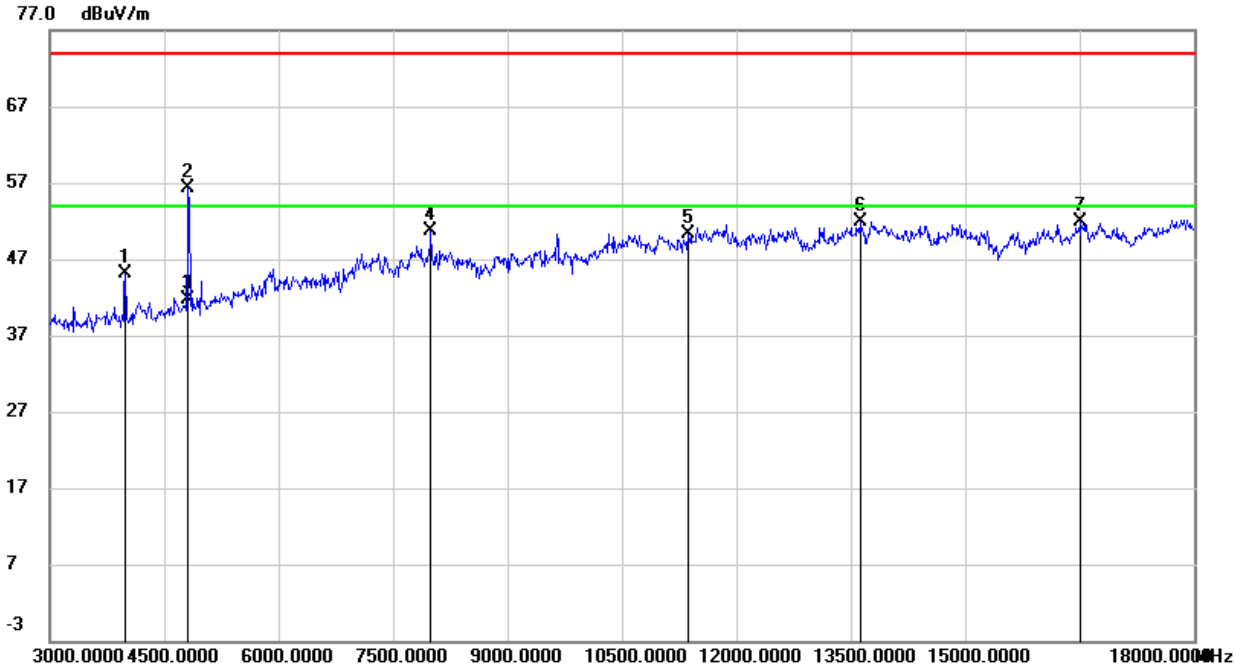
8.2.3. 802.11n HT20 MIMO MODE

2TX MODE (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	47.94	-2.80	45.14	74.00	-28.86	peak
2	4820.131	56.41	-0.07	56.34	74.00	-17.66	peak
3	4820.131	41.77	-0.07	41.70	54.00	-12.30	AVG
4	7995.000	42.34	8.45	50.79	74.00	-23.21	peak
5	11370.000	36.66	13.60	50.26	74.00	-23.74	peak
6	13620.000	35.47	16.39	51.86	74.00	-22.14	peak
7	16515.000	32.41	19.43	51.84	74.00	-22.16	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. AVG: VBW=1/Ton where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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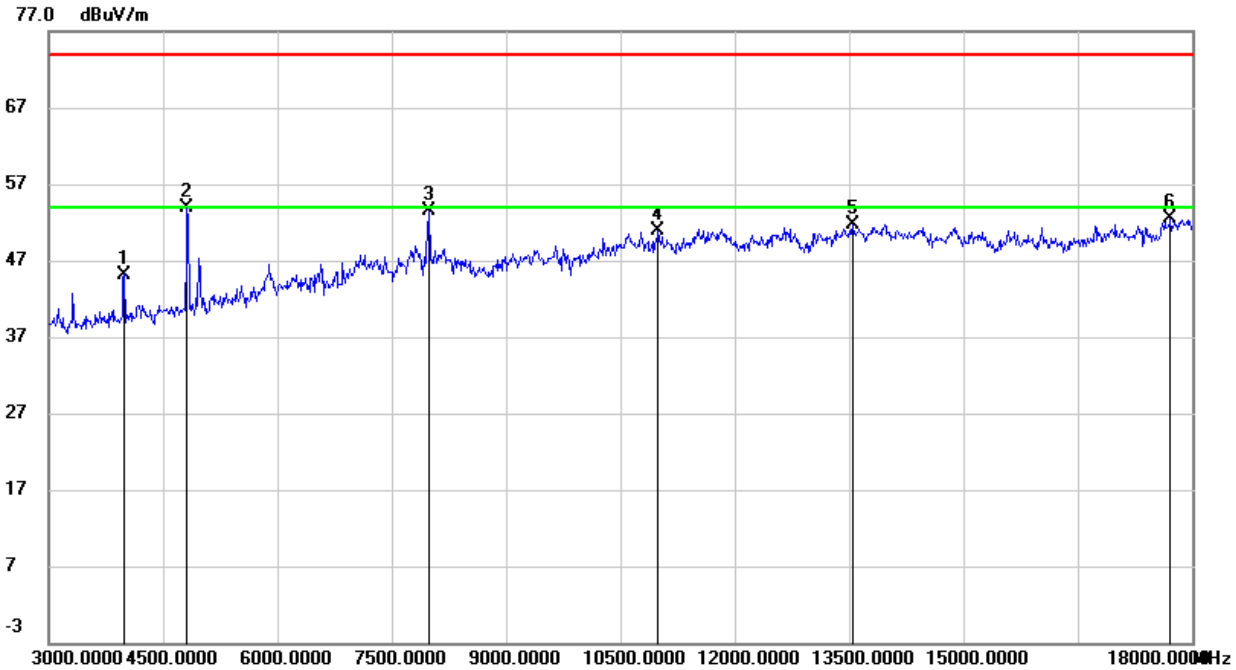
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	48.00	-2.80	45.20	74.00	-28.80	peak
2	4815.000	54.02	-0.10	53.92	74.00	-20.08	peak
3	7995.000	45.10	8.45	53.55	74.00	-20.45	peak
4	10995.000	37.19	13.62	50.81	74.00	-23.19	peak
5	13545.000	35.52	16.24	51.76	74.00	-22.24	peak
6	17715.000	29.90	22.65	52.55	74.00	-21.45	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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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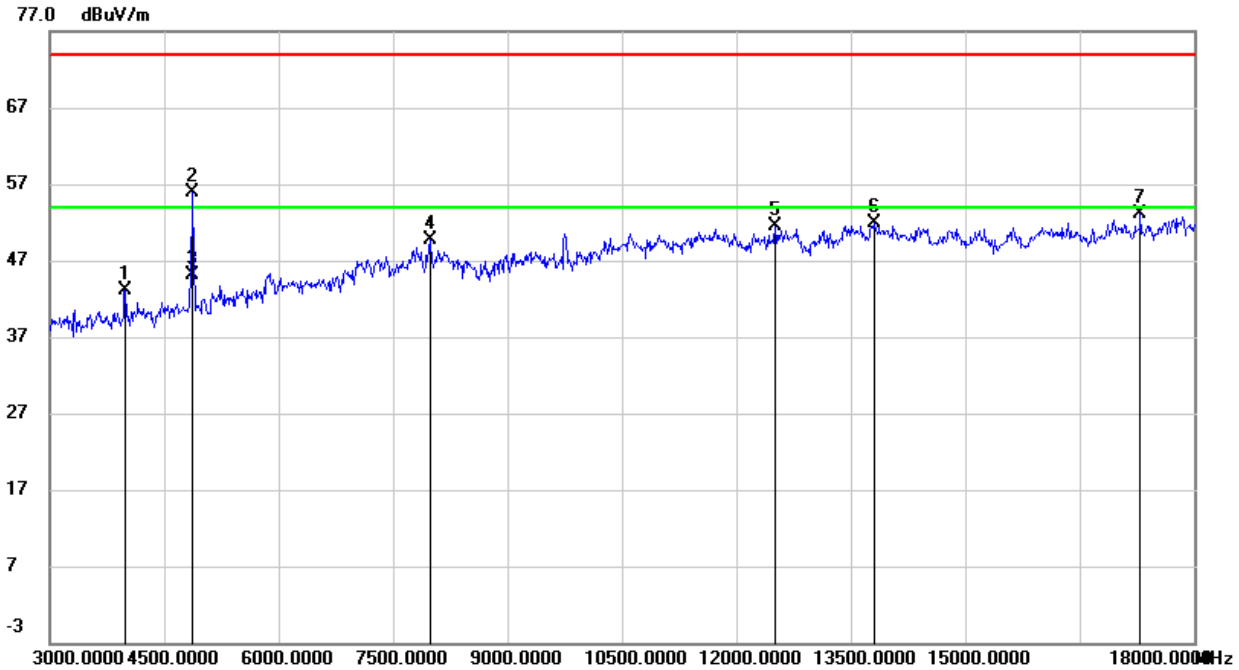
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	45.90	-2.80	43.10	74.00	-30.90	peak
2	4864.931	55.81	0.06	55.87	74.00	-18.13	peak
3	4864.931	44.95	0.06	45.01	54.00	-8.99	AVG
4	7980.000	41.28	8.49	49.77	74.00	-24.23	peak
5	12510.000	36.43	15.08	51.51	74.00	-22.49	peak
6	13800.000	34.29	17.60	51.89	74.00	-22.11	peak
7	17295.000	31.02	22.01	53.03	74.00	-20.97	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.
4. AVG: VBW=1/Ton where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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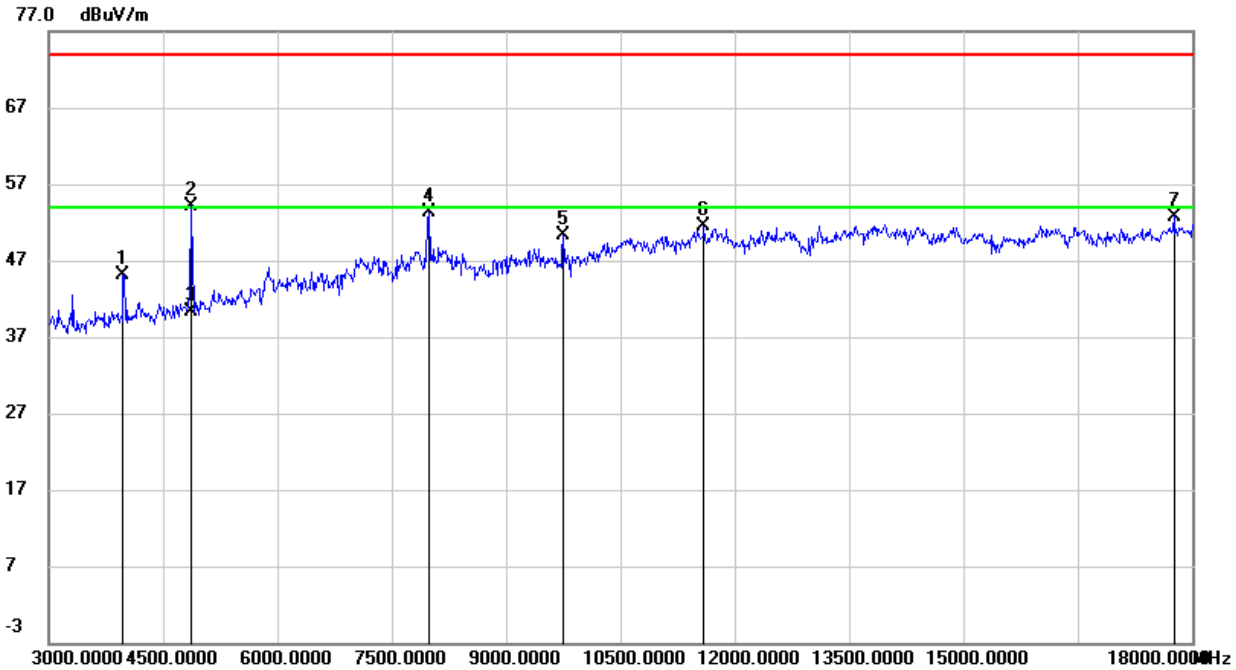
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	47.99	-2.81	45.18	74.00	-28.82	peak
2	4878.360	54.06	0.10	54.16	74.00	-19.84	peak
3	4878.360	40.30	0.10	40.40	54.00	-13.60	AVG
4	7995.000	44.80	8.45	53.25	74.00	-20.75	peak
5	9750.000	39.70	10.60	50.30	74.00	-23.70	peak
6	11595.000	37.29	14.28	51.57	74.00	-22.43	peak
7	17760.000	29.79	23.01	52.80	74.00	-21.20	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. AVG: VBW=1/Ton where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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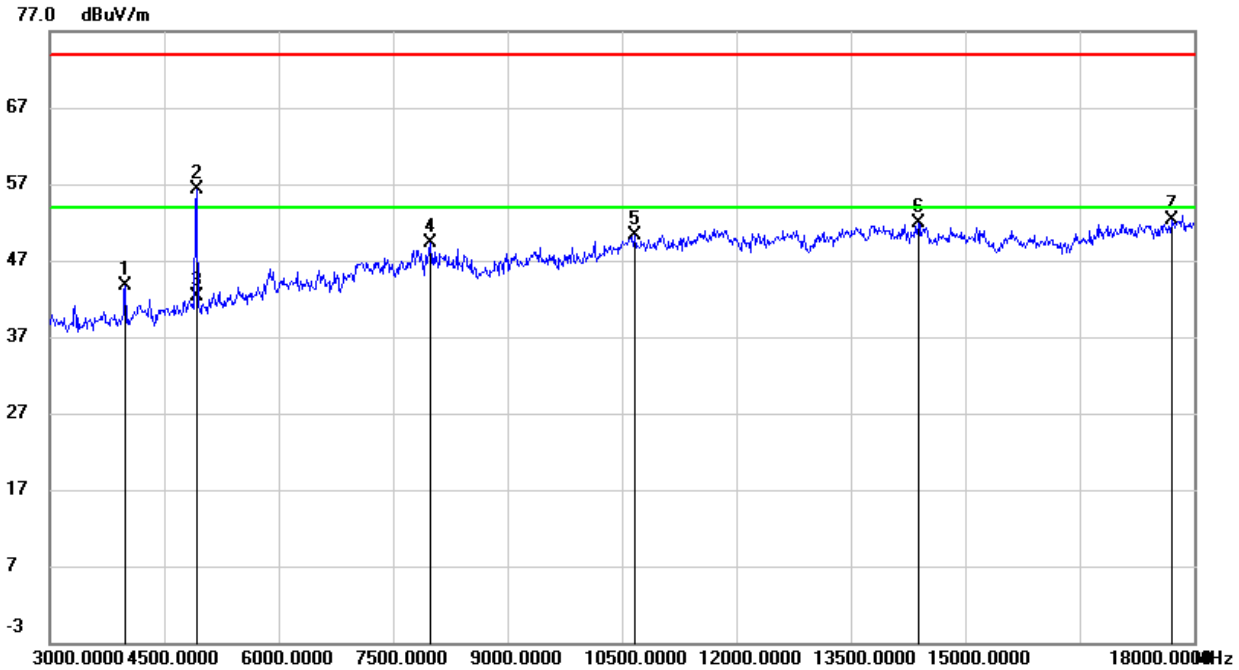
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	46.43	-2.80	43.63	74.00	-30.37	peak
2	4925.754	55.95	0.30	56.25	74.00	-17.75	peak
3	4925.754	41.93	0.30	42.23	54.00	-11.77	AVG
4	7995.000	40.86	8.45	49.31	74.00	-24.69	peak
5	10665.000	37.69	12.71	50.40	74.00	-23.60	peak
6	14385.000	35.15	16.67	51.82	74.00	-22.18	peak
7	17715.000	29.64	22.65	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.
4. AVG: VBW=1/Ton where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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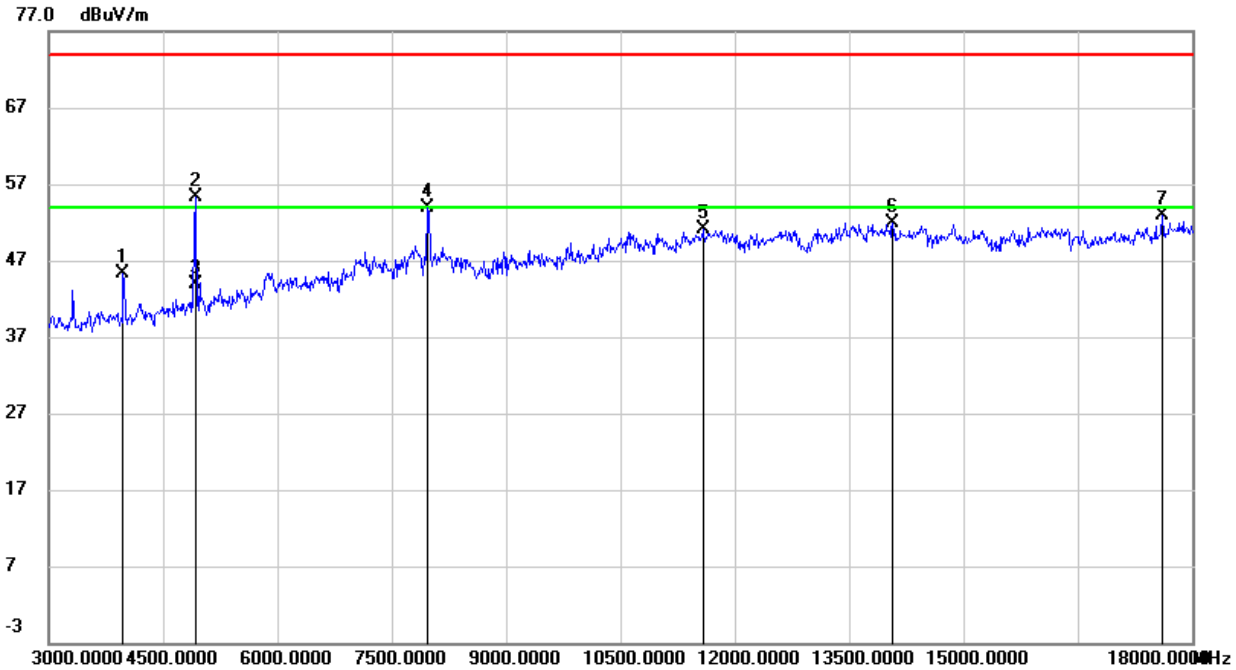
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	48.11	-2.81	45.30	74.00	-28.70	peak
2	4926.075	55.01	0.30	55.31	74.00	-18.69	peak
3	4926.075	43.58	0.30	43.88	54.00	-10.12	AVG
4	7965.000	45.40	8.55	53.95	74.00	-20.05	peak
5	11580.000	36.85	14.32	51.17	74.00	-22.83	peak
6	14070.000	35.28	16.57	51.85	74.00	-22.15	peak
7	17610.000	30.84	22.00	52.84	74.00	-21.16	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. AVG: VBW=1/Ton where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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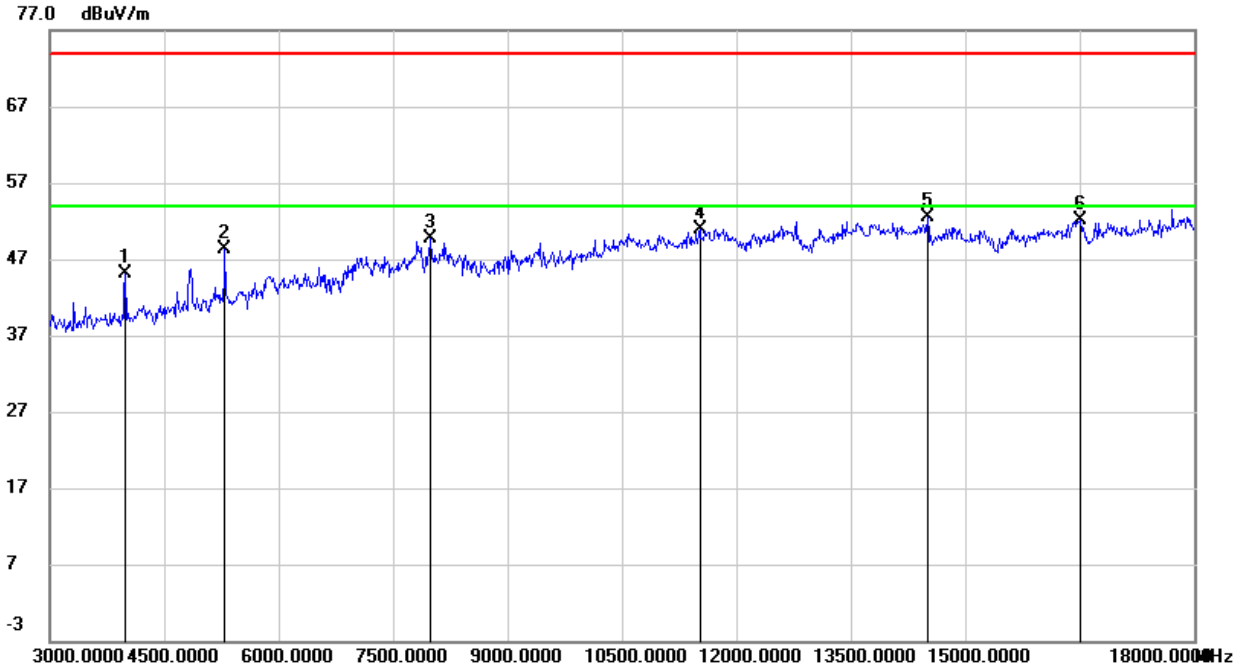
8.2.4. 802.11n HT40 MIMO MODE

2TX MODE (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	47.91	-2.80	45.11	74.00	-28.89	peak
2	5295.000	46.58	1.71	48.29	74.00	-25.71	peak
3	7995.000	41.34	8.45	49.79	74.00	-24.21	peak
4	11520.000	36.54	14.46	51.00	74.00	-23.00	peak
5	14505.000	35.99	16.60	52.59	74.00	-21.41	peak
6	16515.000	32.70	19.43	52.13	74.00	-21.87	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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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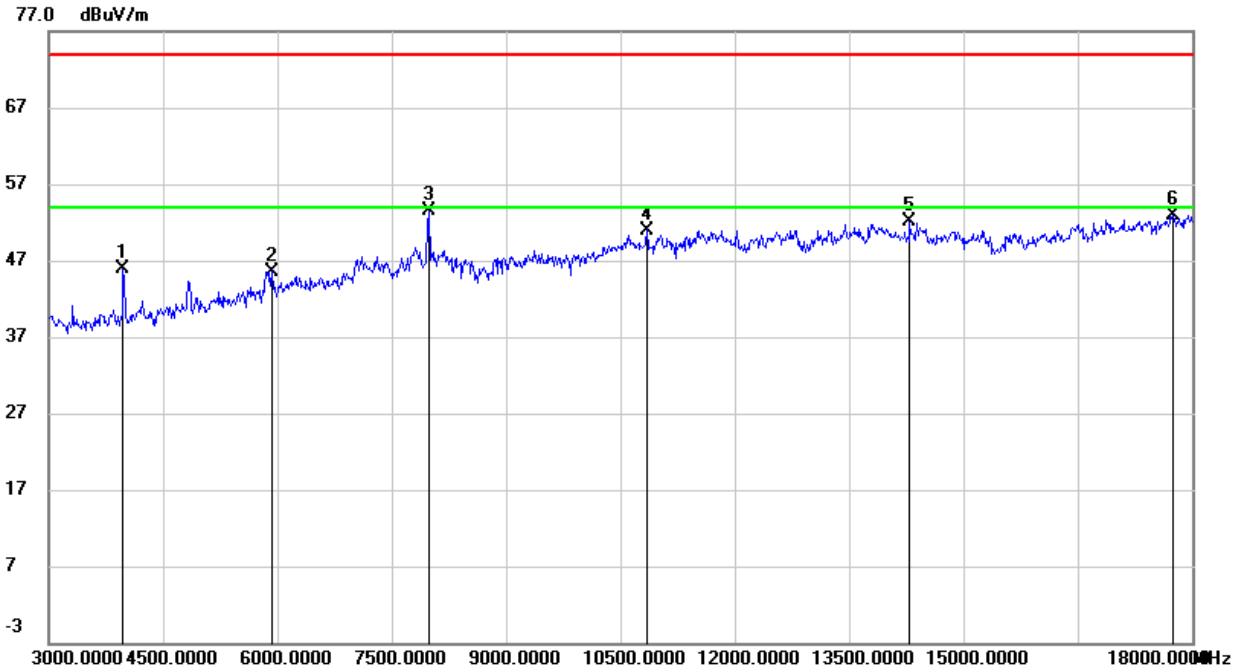
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	48.71	-2.81	45.90	74.00	-28.10	peak
2	5925.000	40.47	5.13	45.60	74.00	-28.40	peak
3	7995.000	44.96	8.45	53.41	74.00	-20.59	peak
4	10845.000	38.32	12.68	51.00	74.00	-23.00	peak
5	14295.000	35.49	16.63	52.12	74.00	-21.88	peak
6	17745.000	30.01	22.89	52.90	74.00	-21.10	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.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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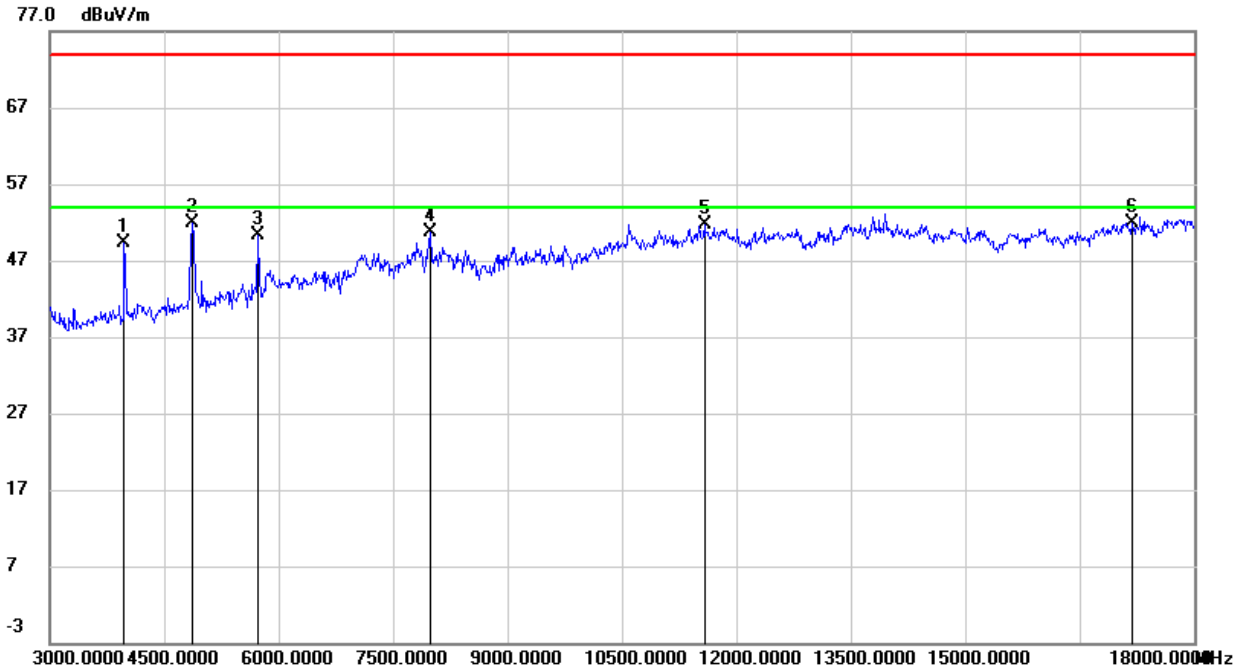
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	52.21	-2.81	49.40	74.00	-24.60	peak
2	4875.000	51.80	0.10	51.90	74.00	-22.10	peak
3	5730.000	47.15	3.13	50.28	74.00	-23.72	peak
4	7995.000	42.20	8.45	50.65	74.00	-23.35	peak
5	11580.000	37.35	14.32	51.67	74.00	-22.33	peak
6	17190.000	30.71	21.24	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.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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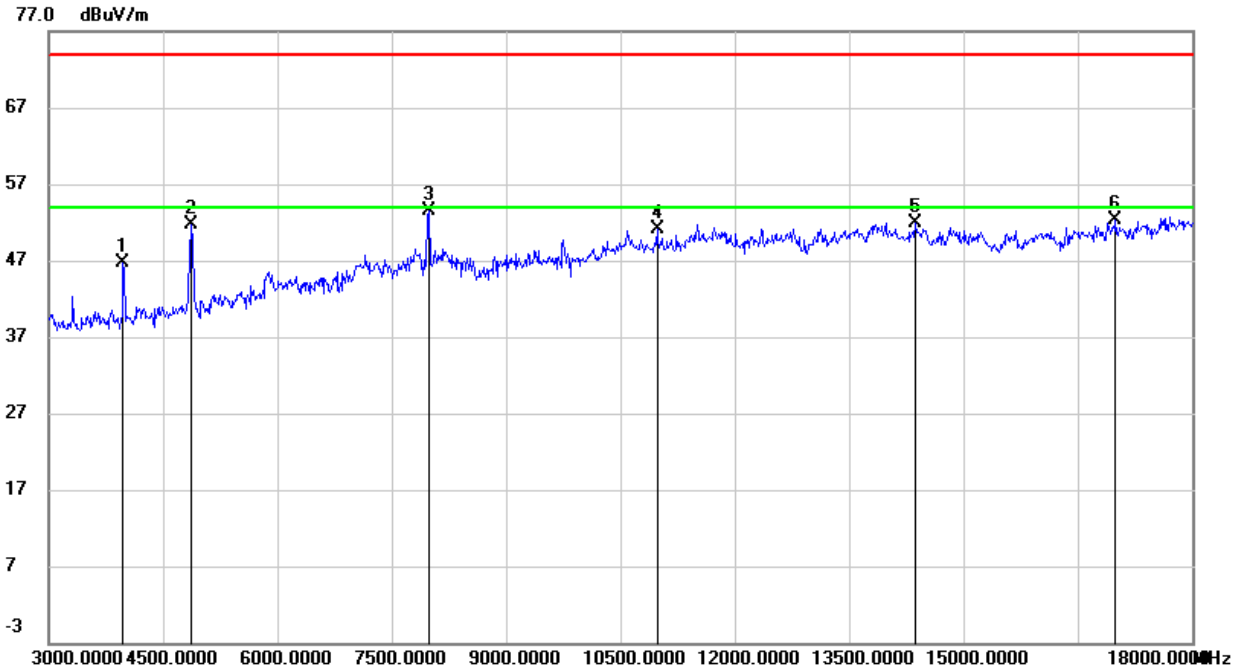
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	49.43	-2.81	46.62	74.00	-27.38	peak
2	4875.000	51.68	0.10	51.78	74.00	-22.22	peak
3	7995.000	45.01	8.45	53.46	74.00	-20.54	peak
4	10980.000	37.62	13.47	51.09	74.00	-22.91	peak
5	14370.000	35.20	16.66	51.86	74.00	-22.14	peak
6	16995.000	31.48	20.83	52.31	74.00	-21.69	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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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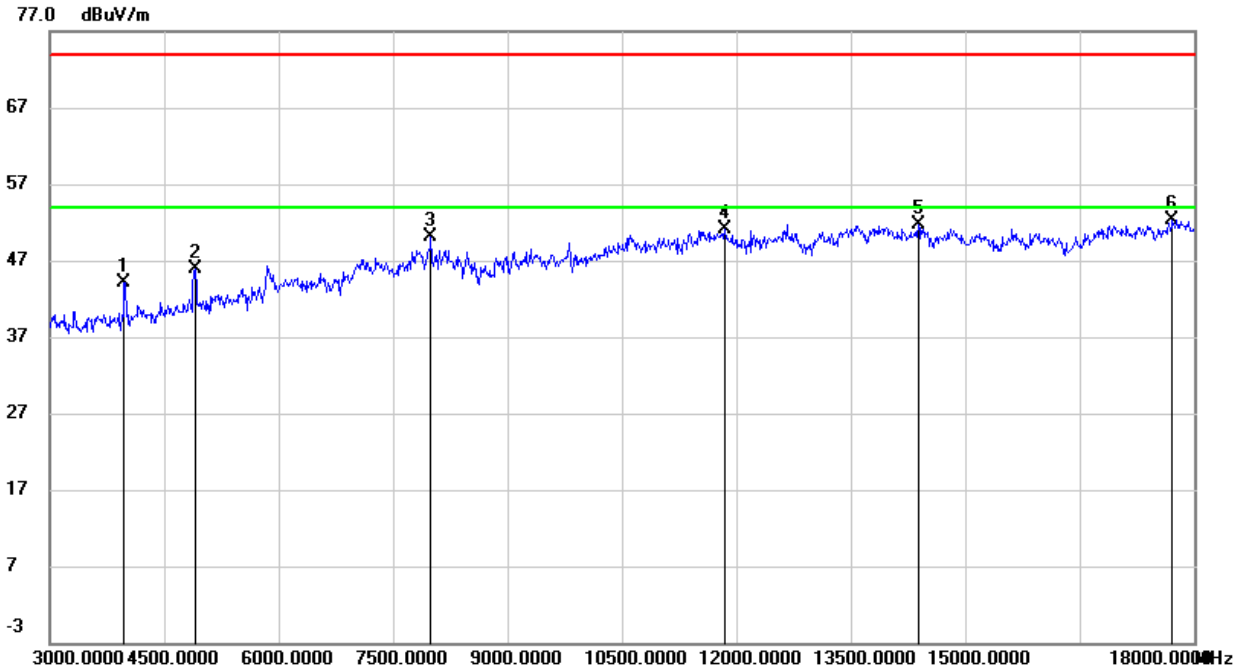
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	46.94	-2.81	44.13	74.00	-29.87	peak
2	4905.000	45.81	0.19	46.00	74.00	-28.00	peak
3	7995.000	41.62	8.45	50.07	74.00	-23.93	peak
4	11850.000	36.75	14.32	51.07	74.00	-22.93	peak
5	14385.000	35.03	16.67	51.70	74.00	-22.30	peak
6	17715.000	29.71	22.65	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.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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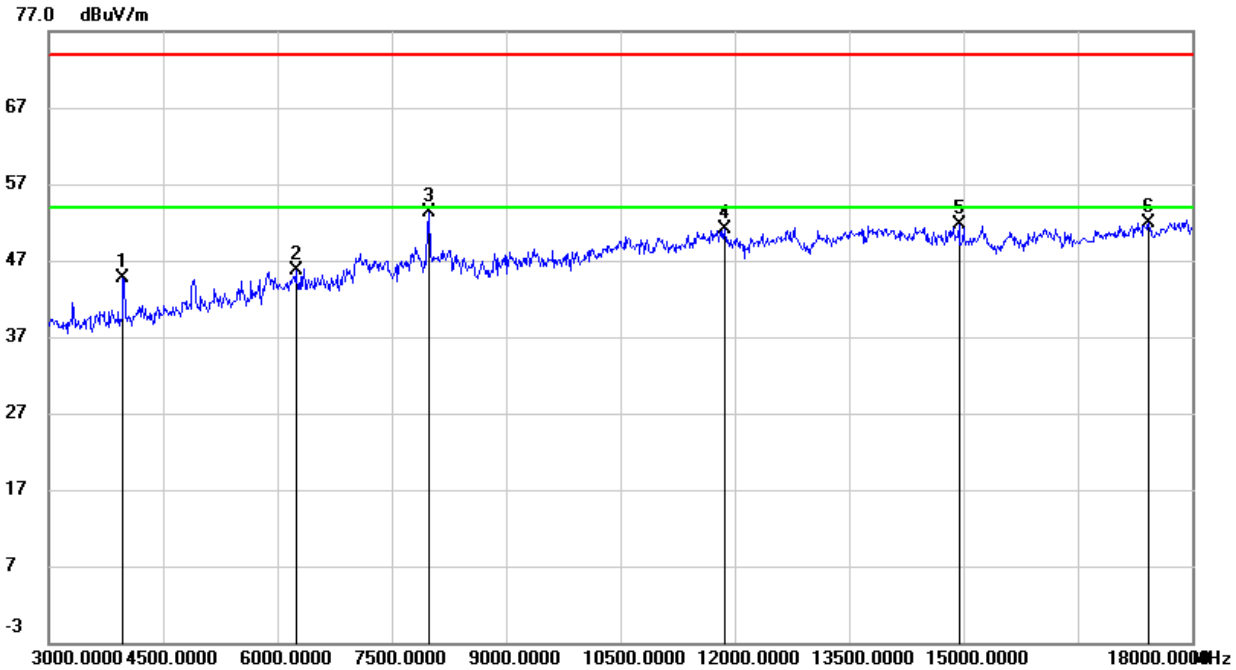
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	47.53	-2.81	44.72	74.00	-29.28	peak
2	6240.000	41.08	4.59	45.67	74.00	-28.33	peak
3	7995.000	44.86	8.45	53.31	74.00	-20.69	peak
4	11865.000	36.74	14.33	51.07	74.00	-22.93	peak
5	14940.000	35.73	15.96	51.69	74.00	-22.31	peak
6	17430.000	30.35	21.61	51.96	74.00	-22.04	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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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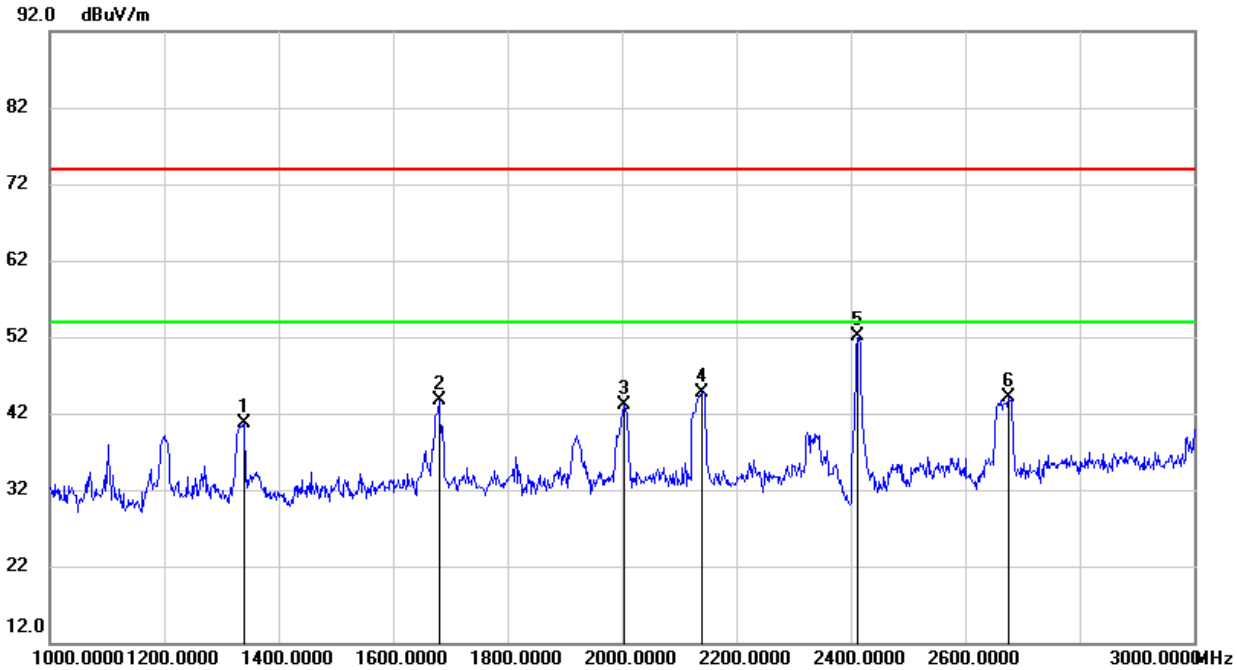
8.3. SPURIOUS EMISSIONS (1~3GHz)

8.3.1. 802.11b SISO MODE

1TX MODE FOR ANT0 (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1340.000	53.36	-12.59	40.77	74.00	-33.23	peak
2	1680.000	54.84	-11.22	43.62	74.00	-30.38	peak
3	2004.000	52.98	-9.97	43.01	74.00	-30.99	peak
4	2140.000	53.91	-9.12	44.79	74.00	-29.21	peak
5	2412.000	59.89	-7.87	52.02	/	/	fundamental
6	2676.000	51.34	-7.32	44.02	74.00	-29.98	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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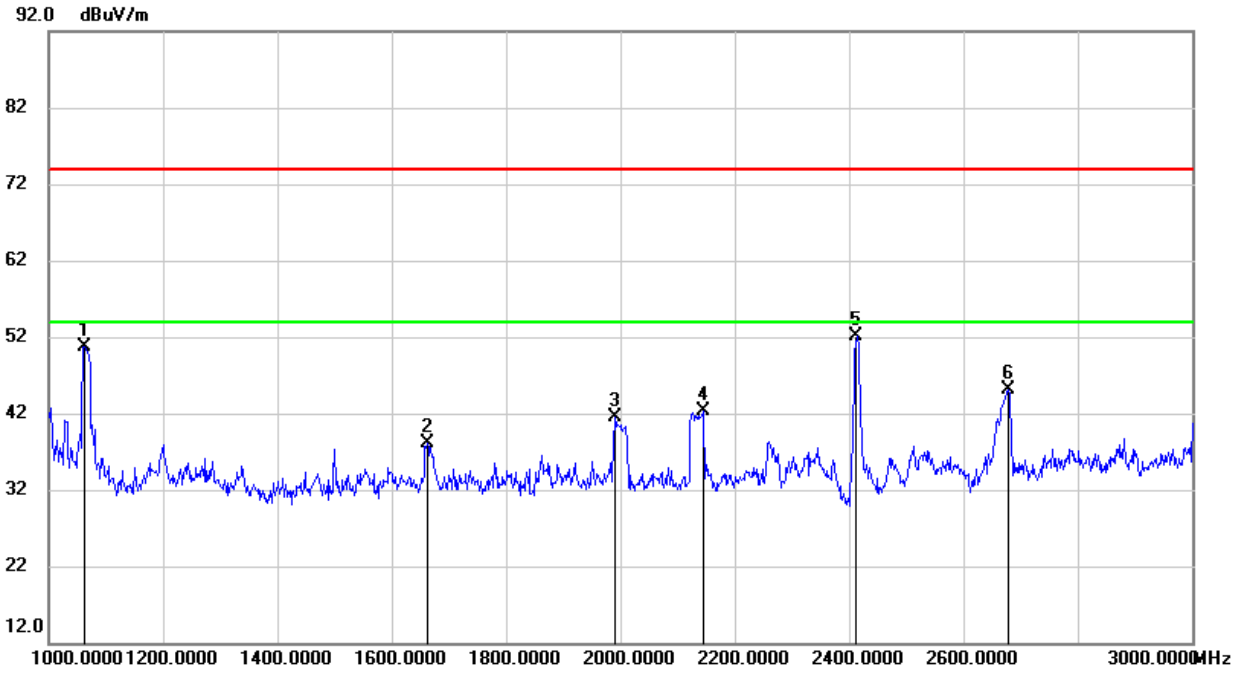
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1062.000	64.55	-13.81	50.74	74.00	-23.26	peak
2	1662.000	49.40	-11.30	38.10	74.00	-35.90	peak
3	1990.000	51.50	-10.02	41.48	74.00	-32.52	peak
4	2144.000	51.46	-9.09	42.37	74.00	-31.63	peak
5	2412.000	59.88	-7.87	52.01	/	/	fundamental
6	2678.000	52.49	-7.30	45.19	74.00	-28.81	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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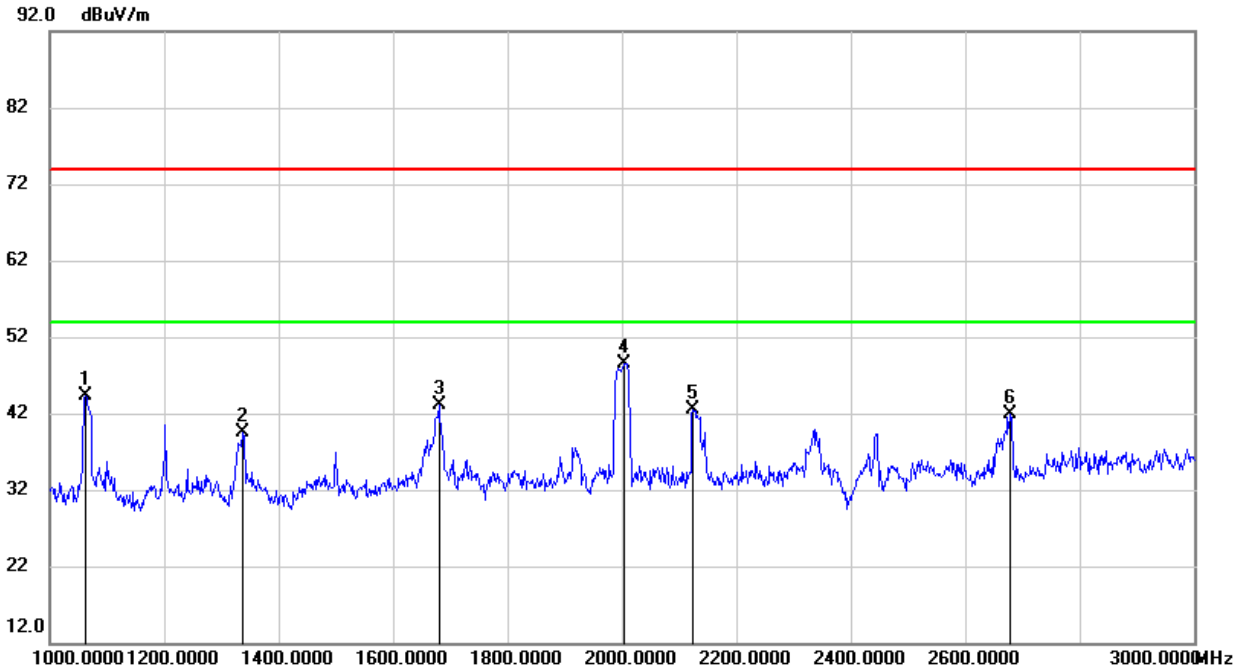
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1062.000	58.11	-13.81	44.30	74.00	-29.70	peak
2	1336.000	52.05	-12.59	39.46	74.00	-34.54	peak
3	1680.000	54.24	-11.22	43.02	74.00	-30.98	peak
4	2004.000	58.46	-9.97	48.49	74.00	-25.51	peak
5	2124.000	51.65	-9.20	42.45	74.00	-31.55	peak
6	2678.000	49.18	-7.30	41.88	74.00	-32.12	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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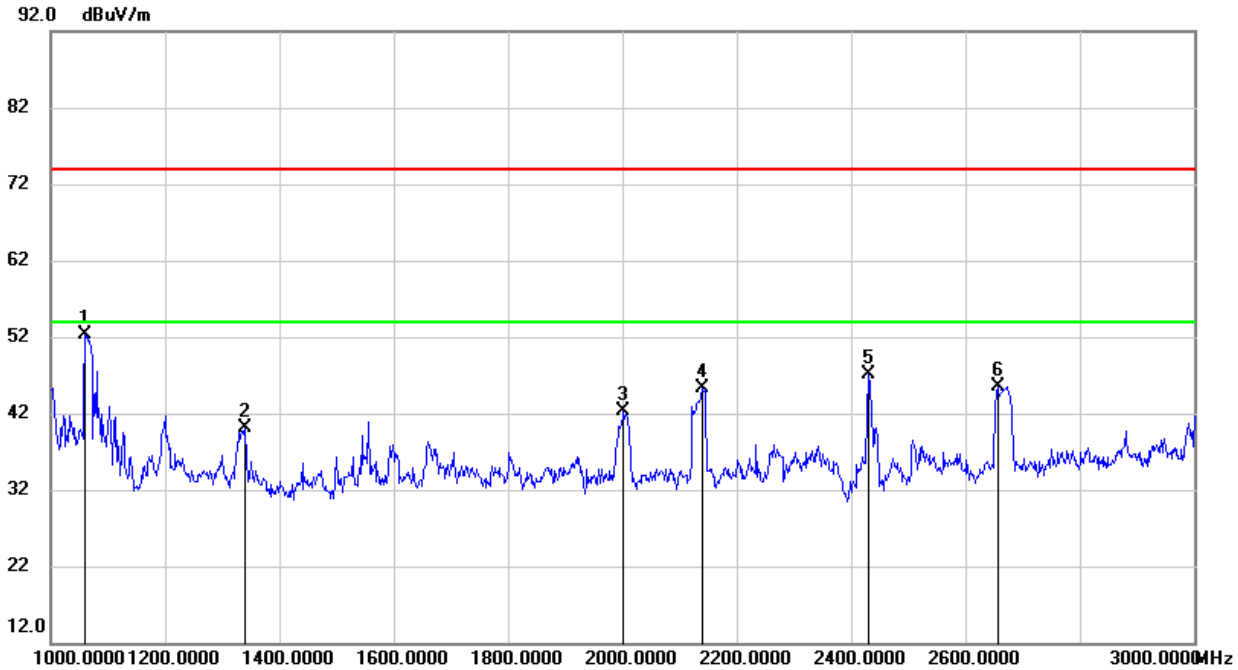
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1060.000	66.17	-13.80	52.37	74.00	-21.63	peak
2	1340.000	52.73	-12.59	40.14	74.00	-33.86	peak
3	2002.000	52.26	-9.99	42.27	74.00	-31.73	peak
4	2140.000	54.39	-9.12	45.27	74.00	-28.73	peak
5	2437.000	54.87	-7.75	47.12	/	/	fundamental
6	2656.000	52.98	-7.43	45.55	74.00	-28.45	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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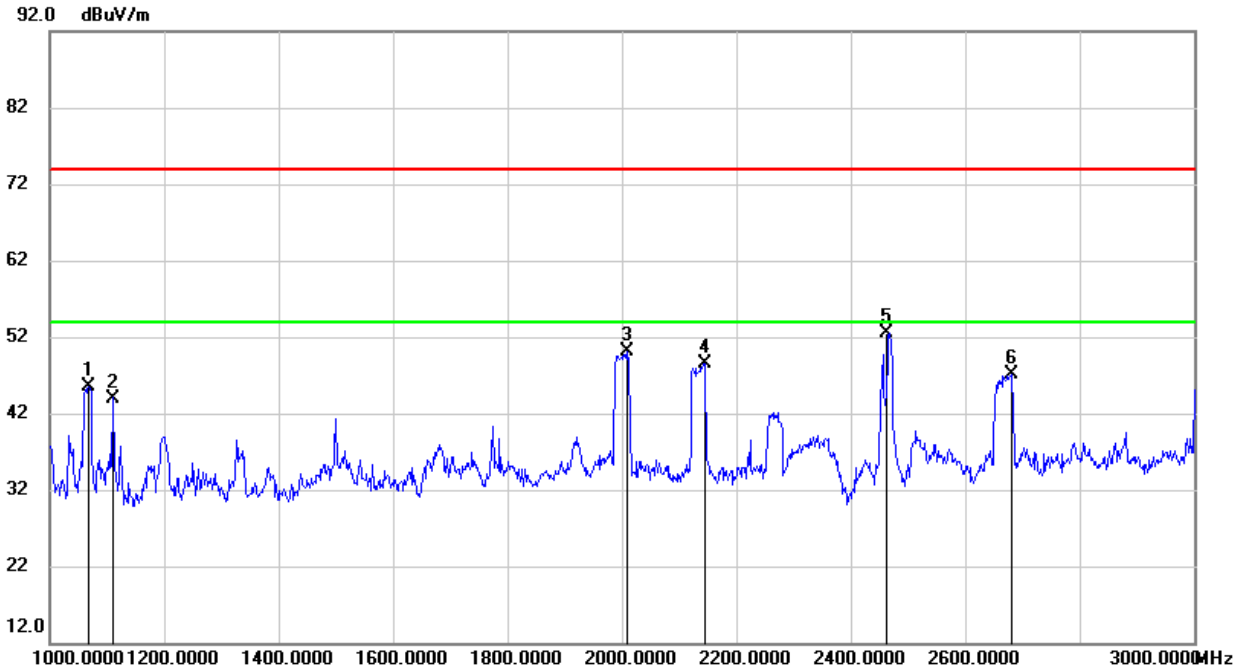
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1068.000	59.22	-13.80	45.42	74.00	-28.58	peak
2	1110.000	57.68	-13.68	44.00	74.00	-30.00	peak
3	2008.000	59.98	-9.95	50.03	74.00	-23.97	peak
4	2146.000	57.63	-9.08	48.55	74.00	-25.45	peak
5	2462.000	59.98	-7.51	52.47	/	/	fundamental
6	2680.000	54.35	-7.28	47.07	74.00	-26.93	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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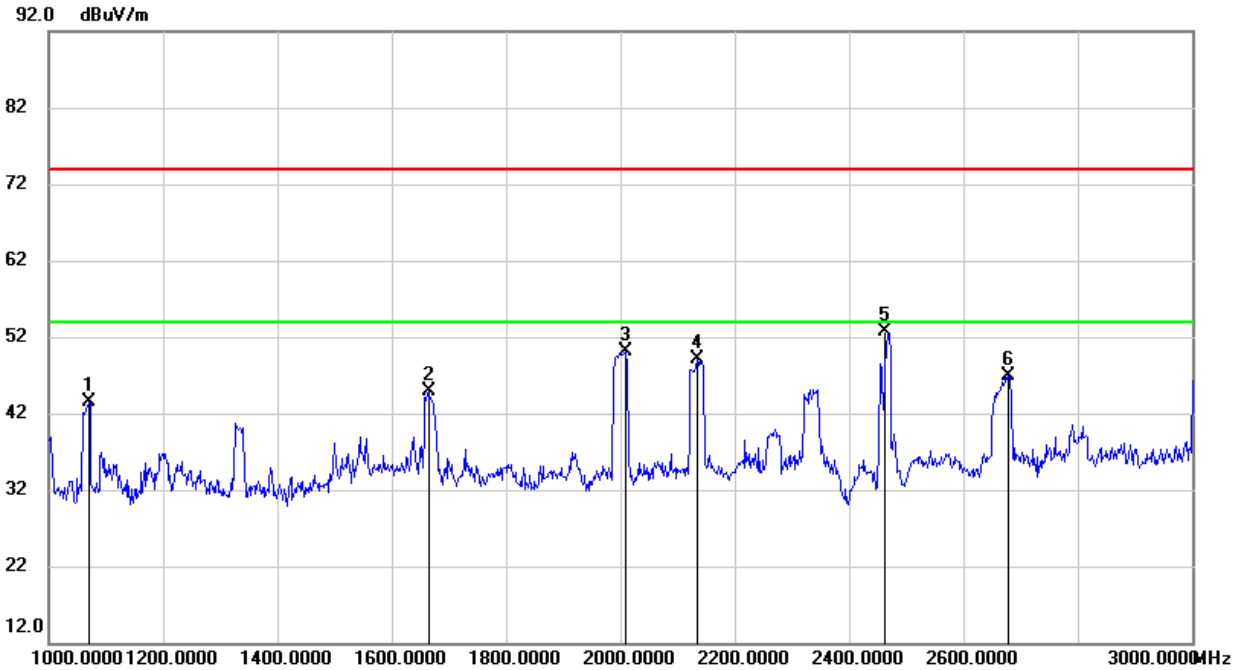
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1070.000	57.26	-13.79	43.47	74.00	-30.53	peak
2	1664.000	56.21	-11.30	44.91	74.00	-29.09	peak
3	2010.000	60.07	-9.93	50.14	74.00	-23.86	peak
4	2134.000	58.19	-9.14	49.05	74.00	-24.95	peak
5	2462.000	60.21	-7.51	52.70	/	/	fundamental
6	2678.000	54.23	-7.30	46.93	74.00	-27.07	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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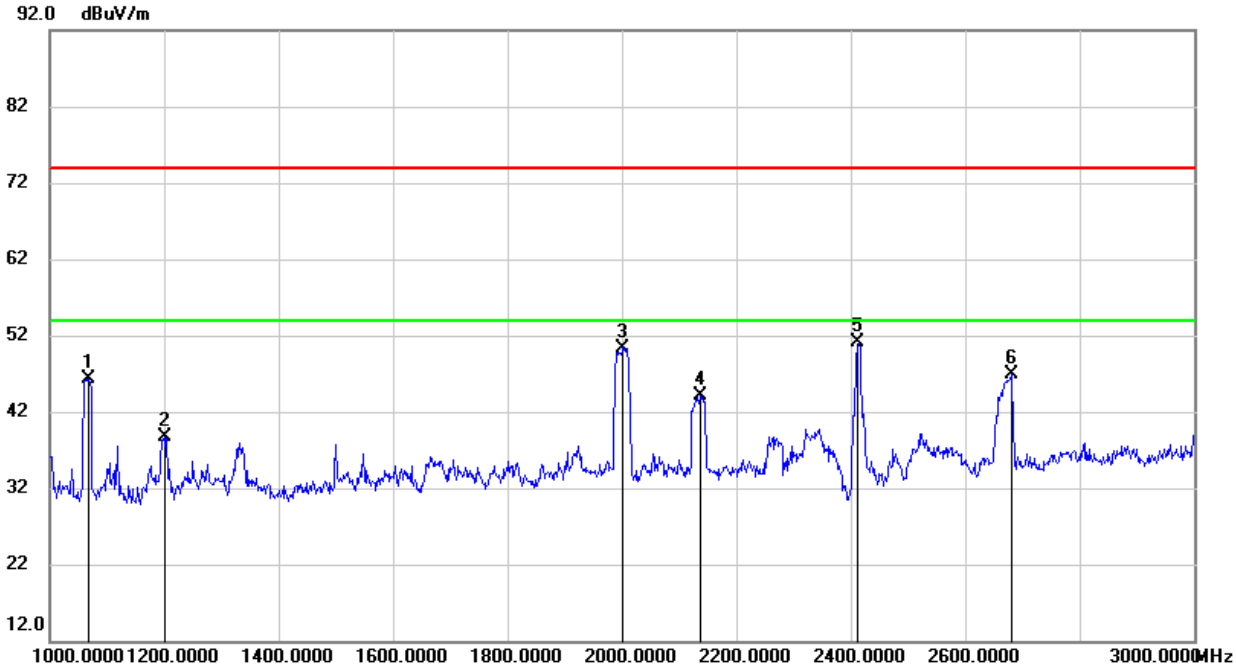
8.3.2. 802.11g SISO MODE

1TX MODE FOR ANT0 (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1068.000	60.07	-13.80	46.27	74.00	-27.73	peak
2	1200.000	51.53	-12.92	38.61	74.00	-35.39	peak
3	2002.000	60.39	-9.99	50.40	74.00	-23.60	peak
4	2138.000	53.18	-9.12	44.06	74.00	-29.94	peak
5	2412.000	59.06	-7.87	51.19	/	/	fundamental
6	2680.000	54.14	-7.28	46.86	74.00	-27.14	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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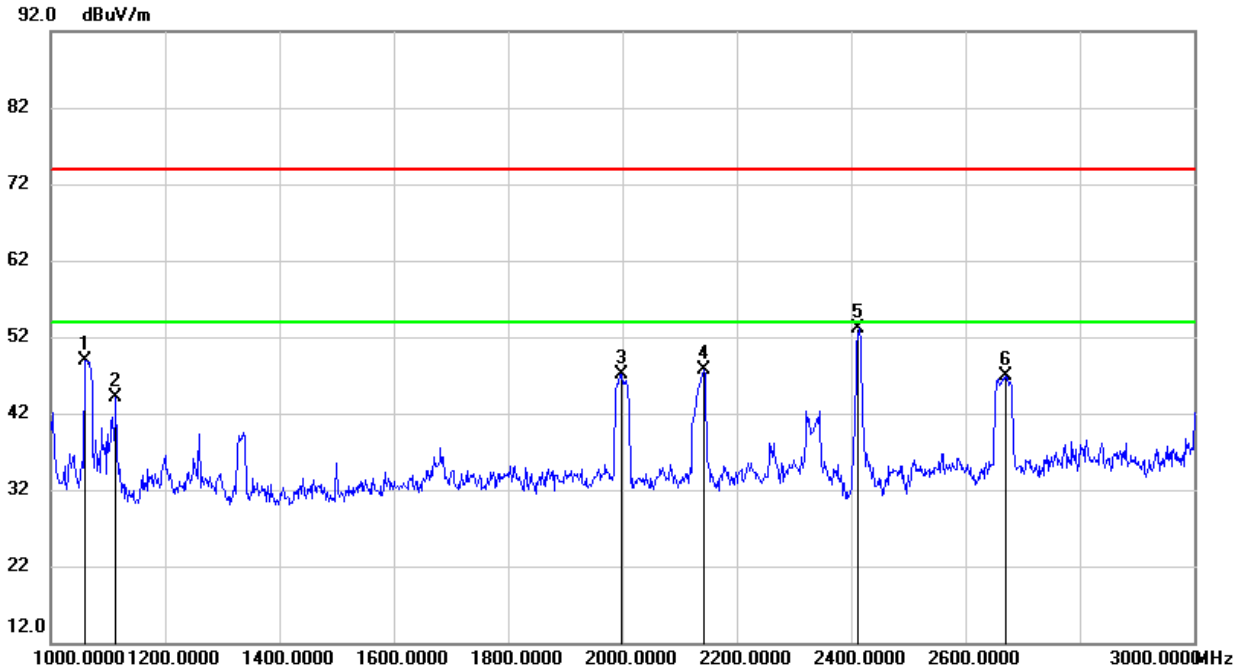
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1060.000	62.65	-13.80	48.85	74.00	-25.15	peak
2	1114.000	57.68	-13.64	44.04	74.00	-29.96	peak
3	1998.000	57.14	-10.01	47.13	74.00	-26.87	peak
4	2142.000	56.71	-9.10	47.61	74.00	-26.39	peak
5	2412.000	60.95	-7.87	53.08	/	/	fundamental
6	2670.000	54.21	-7.35	46.86	74.00	-27.14	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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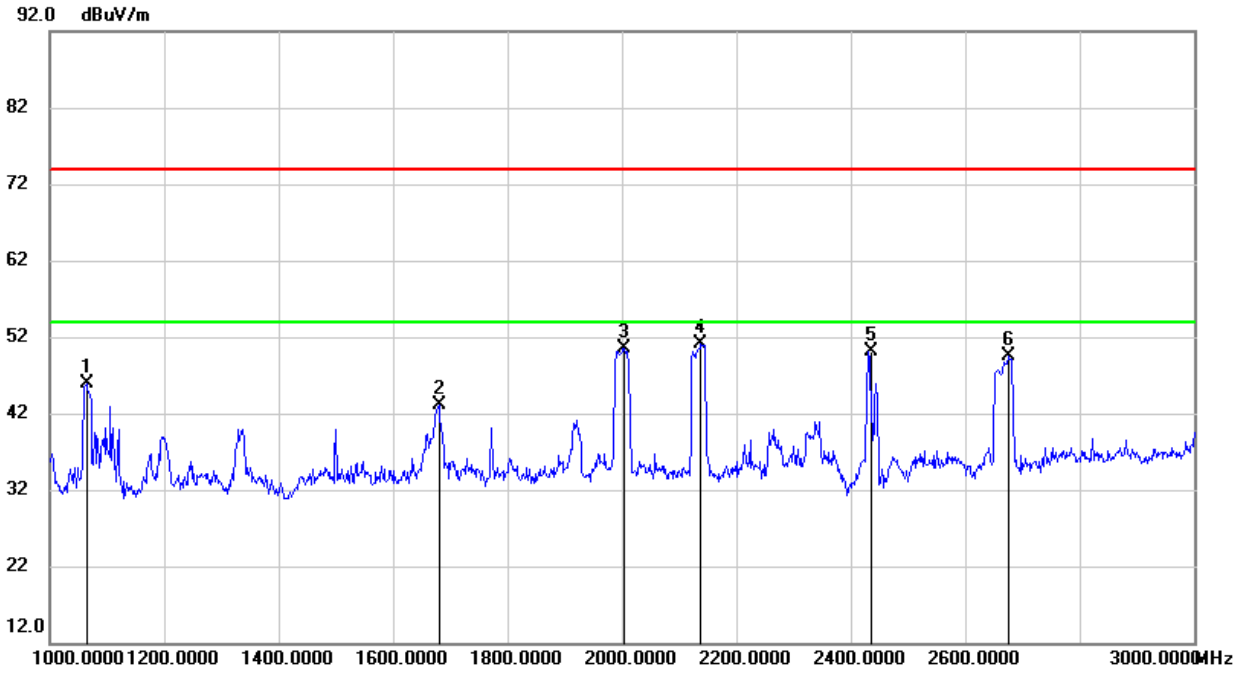
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1064.000	59.69	-13.80	45.89	74.00	-28.11	peak
2	1680.000	54.35	-11.22	43.13	74.00	-30.87	peak
3	2004.000	60.47	-9.97	50.50	74.00	-23.50	peak
4	2138.000	60.13	-9.12	51.01	74.00	-22.99	peak
5	2437.000	57.72	-7.69	50.03	/	/	fundamental
6	2676.000	56.74	-7.32	49.42	74.00	-24.58	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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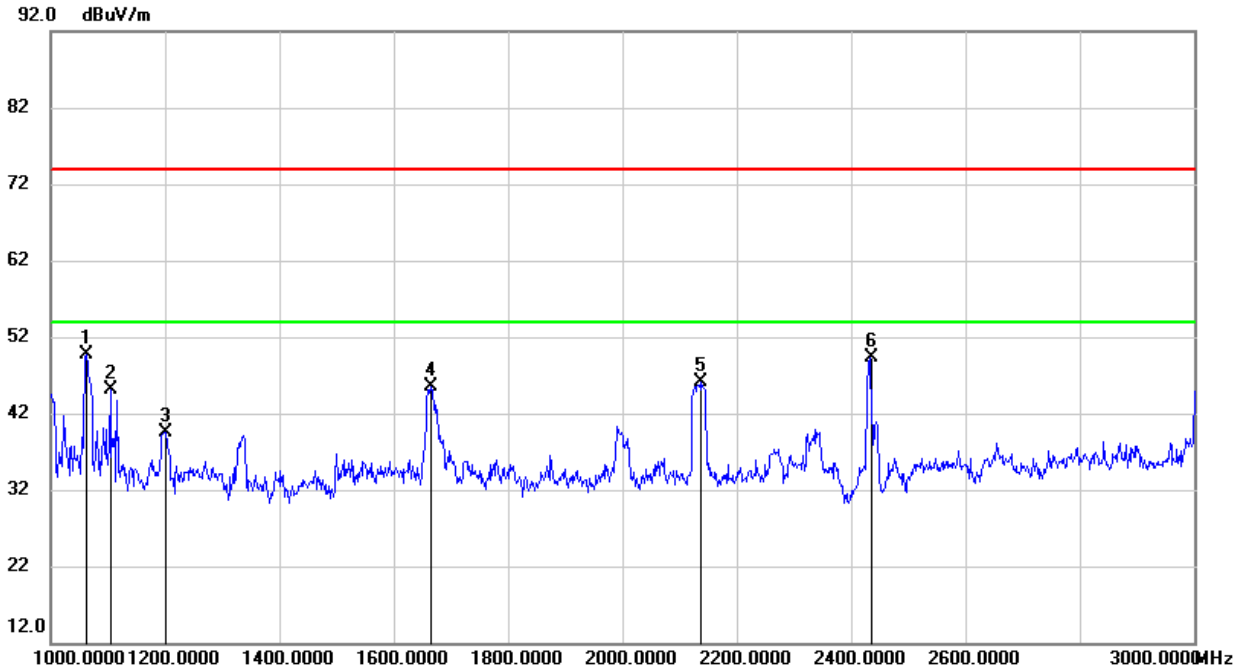
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1062.000	63.44	-13.81	49.63	74.00	-24.37	peak
2	1104.000	58.82	-13.73	45.09	74.00	-28.91	peak
3	1202.000	52.43	-12.92	39.51	74.00	-34.49	peak
4	1664.000	56.71	-11.30	45.41	74.00	-28.59	peak
5	2136.000	55.29	-9.14	46.15	74.00	-27.85	peak
6	2437.000	56.94	-7.69	49.25	/	/	fundamental

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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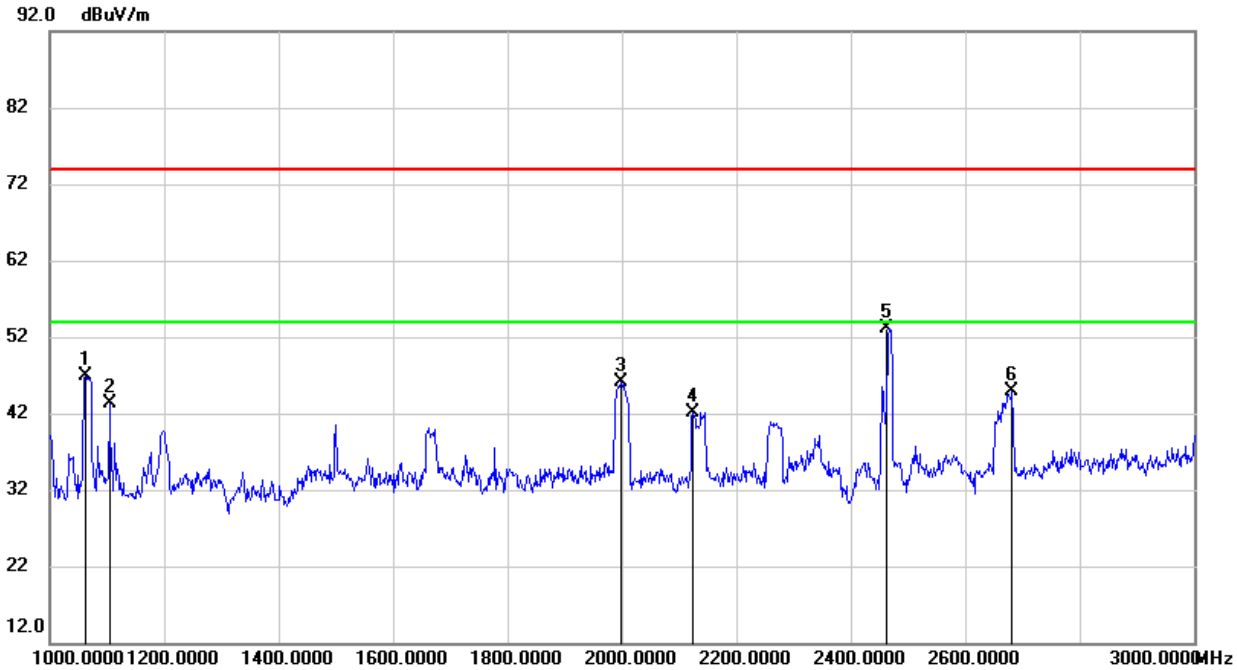
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1062.000	60.64	-13.81	46.83	74.00	-27.17	peak
2	1104.000	57.11	-13.73	43.38	74.00	-30.62	peak
3	1998.000	56.02	-10.01	46.01	74.00	-27.99	peak
4	2124.000	51.37	-9.20	42.17	74.00	-31.83	peak
5	2462.000	60.57	-7.51	53.06	/	/	fundamental
6	2682.000	52.11	-7.27	44.84	74.00	-29.16	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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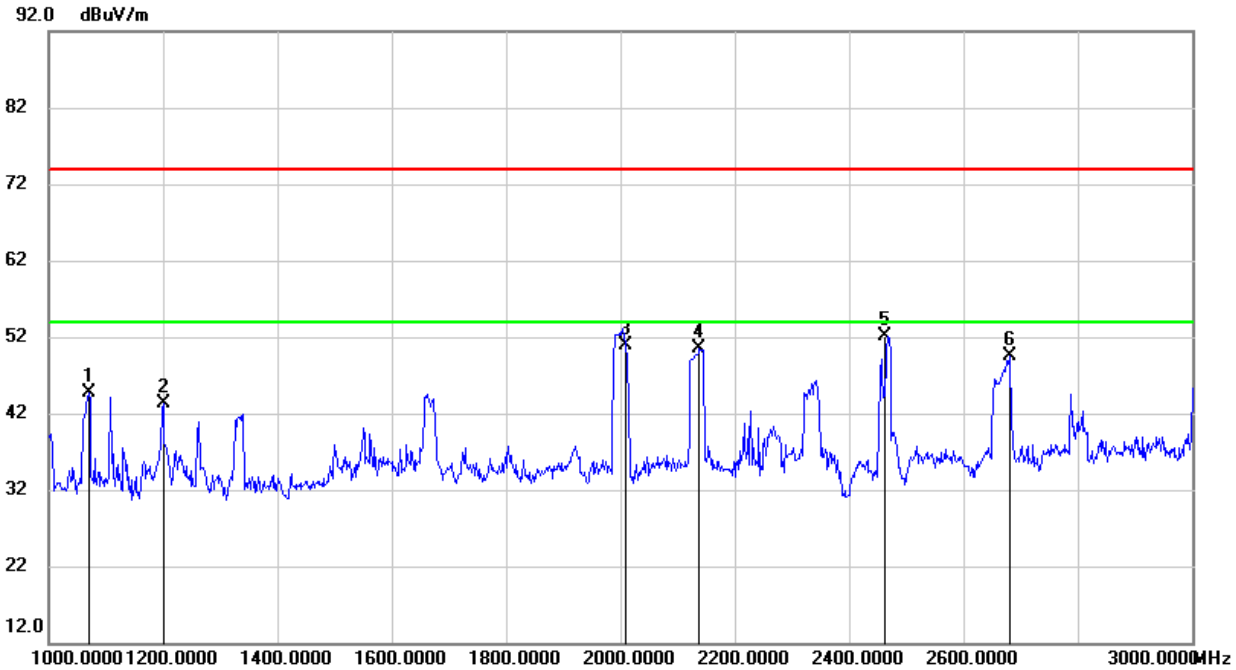
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1070.000	58.57	-13.79	44.78	74.00	-29.22	peak
2	1200.000	56.26	-12.92	43.34	74.00	-30.66	peak
3	2010.000	60.83	-9.93	50.90	74.00	-23.10	peak
4	2138.000	59.53	-9.12	50.41	74.00	-23.59	peak
5	2462.000	59.71	-7.51	52.20	/	/	fundamental
6	2680.000	56.69	-7.28	49.41	74.00	-24.59	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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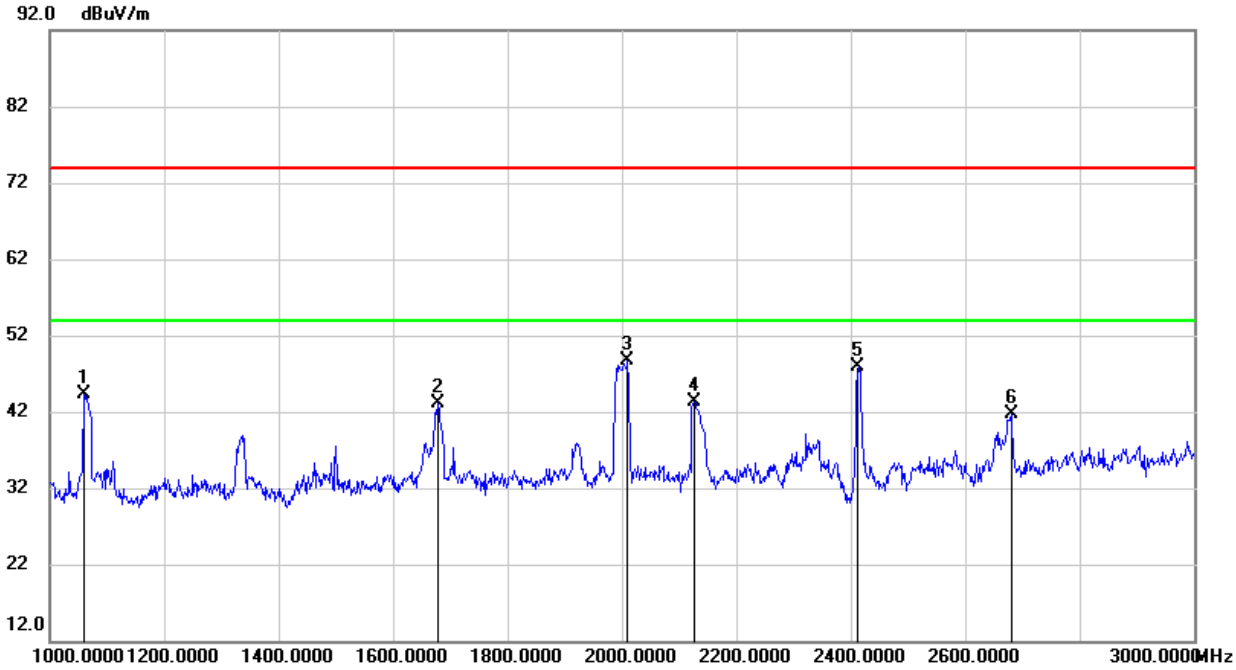
8.3.3. 802.11n HT20 MIMO MODE

2TX MODE (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1060.000	58.15	-13.80	44.35	74.00	-29.65	peak
2	1678.000	54.36	-11.22	43.14	74.00	-30.86	peak
3	2010.000	58.56	-9.93	48.63	74.00	-25.37	peak
4	2126.000	52.47	-9.18	43.29	74.00	-30.71	peak
5	2412.000	55.76	-7.87	47.89	/	/	fundamental
6	2680.000	49.03	-7.28	41.75	74.00	-32.25	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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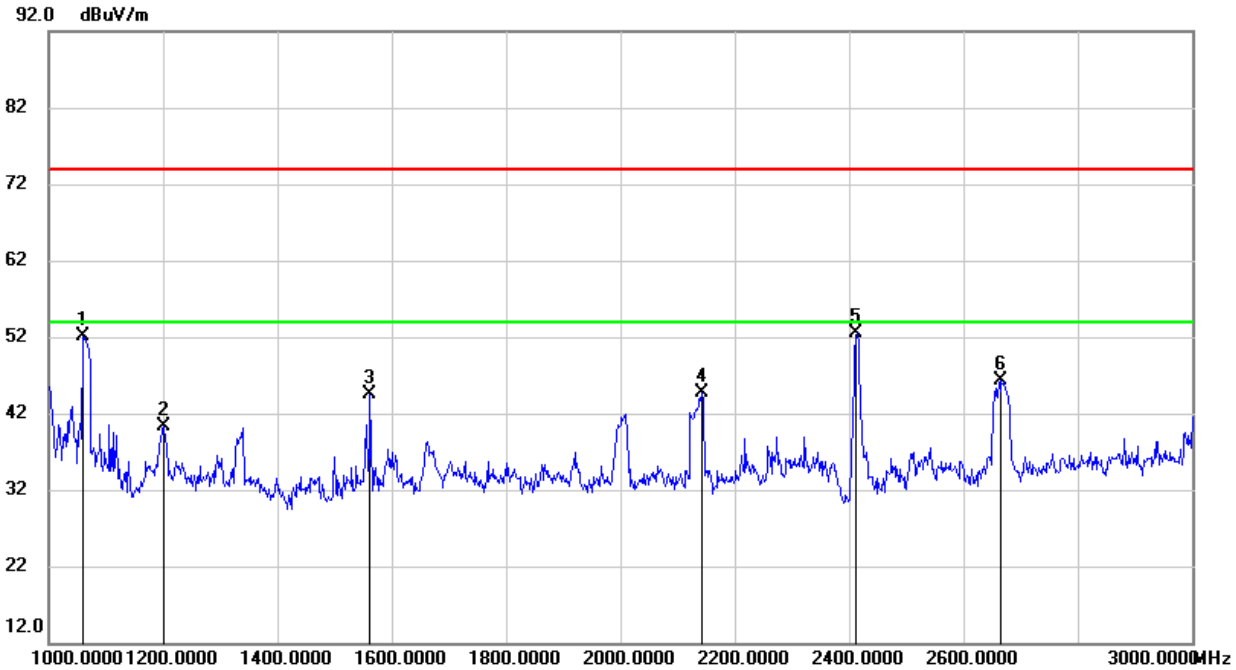
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1060.000	65.86	-13.80	52.06	74.00	-21.94	peak
2	1200.000	53.24	-12.92	40.32	74.00	-33.68	peak
3	1562.000	56.33	-11.92	44.41	74.00	-29.59	peak
4	2142.000	53.90	-9.10	44.80	74.00	-29.20	peak
5	2412.000	60.35	-7.87	52.48	/	/	fundamental
6	2666.000	53.70	-7.36	46.34	74.00	-27.66	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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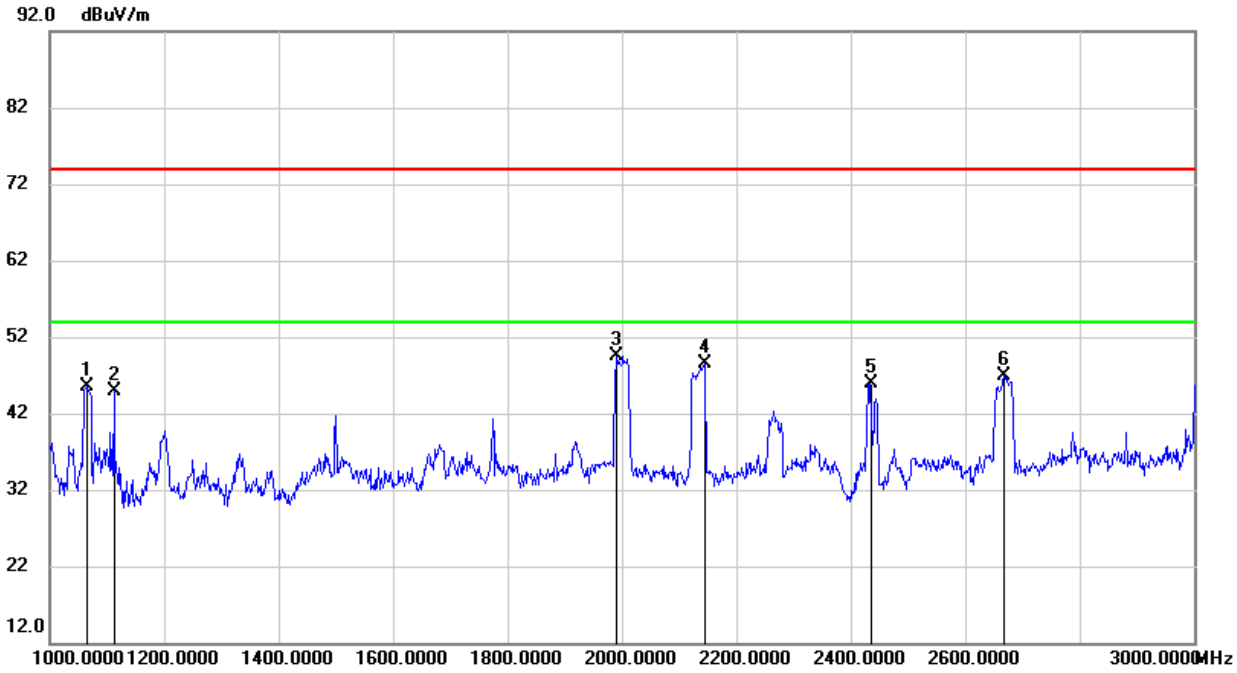
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1066.000	59.33	-13.80	45.53	74.00	-28.47	peak
2	1112.000	58.66	-13.67	44.99	74.00	-29.01	peak
3	1990.000	59.51	-10.02	49.49	74.00	-24.51	peak
4	2144.000	57.66	-9.09	48.57	74.00	-25.43	peak
5	2437.000	53.65	-7.69	45.96	/	/	fundamental
6	2668.000	54.19	-7.36	46.83	74.00	-27.17	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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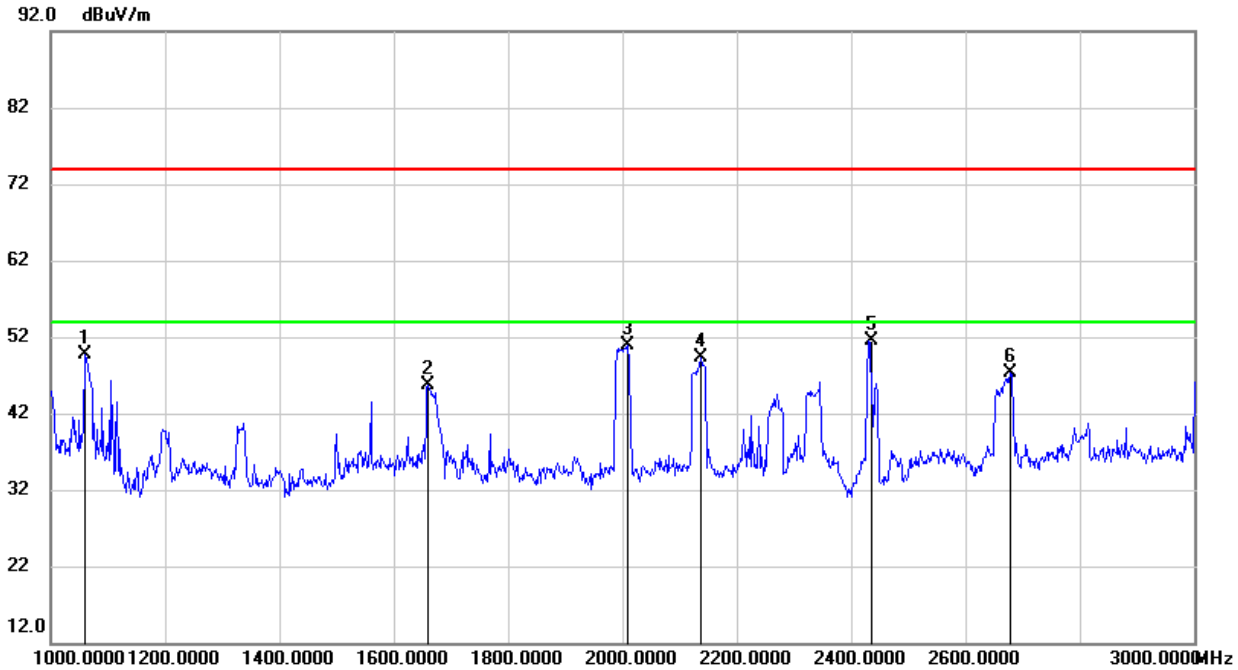
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1060.000	63.58	-13.80	49.78	74.00	-24.22	peak
2	1660.000	57.01	-11.31	45.70	74.00	-28.30	peak
3	2008.000	60.90	-9.95	50.95	74.00	-23.05	peak
4	2138.000	58.33	-9.12	49.21	74.00	-24.79	peak
5	2437.000	59.25	-7.69	51.56	/	/	fundamental
6	2678.000	54.54	-7.30	47.24	74.00	-26.76	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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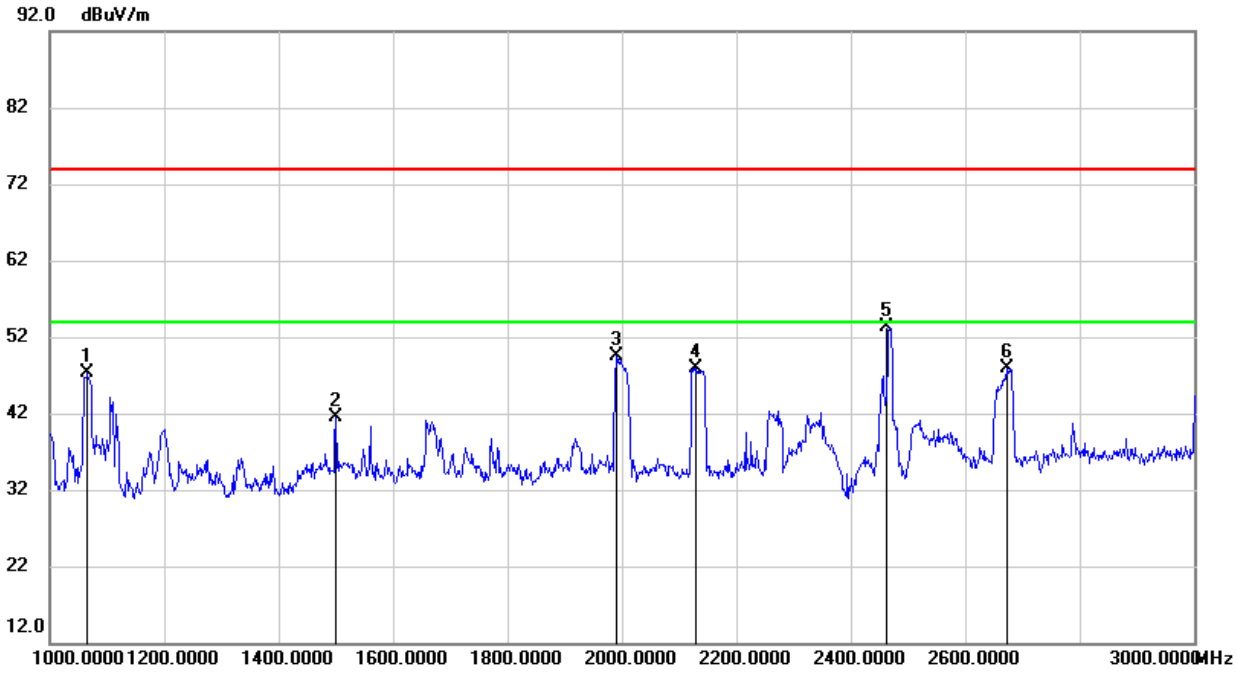
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1066.000	61.04	-13.80	47.24	74.00	-26.76	peak
2	1500.000	53.94	-12.43	41.51	74.00	-32.49	peak
3	1990.000	59.57	-10.02	49.55	74.00	-24.45	peak
4	2130.000	57.10	-9.17	47.93	74.00	-26.07	peak
5	2462.000	60.81	-7.51	53.30	/	/	fundamental
6	2672.000	55.28	-7.33	47.95	74.00	-26.05	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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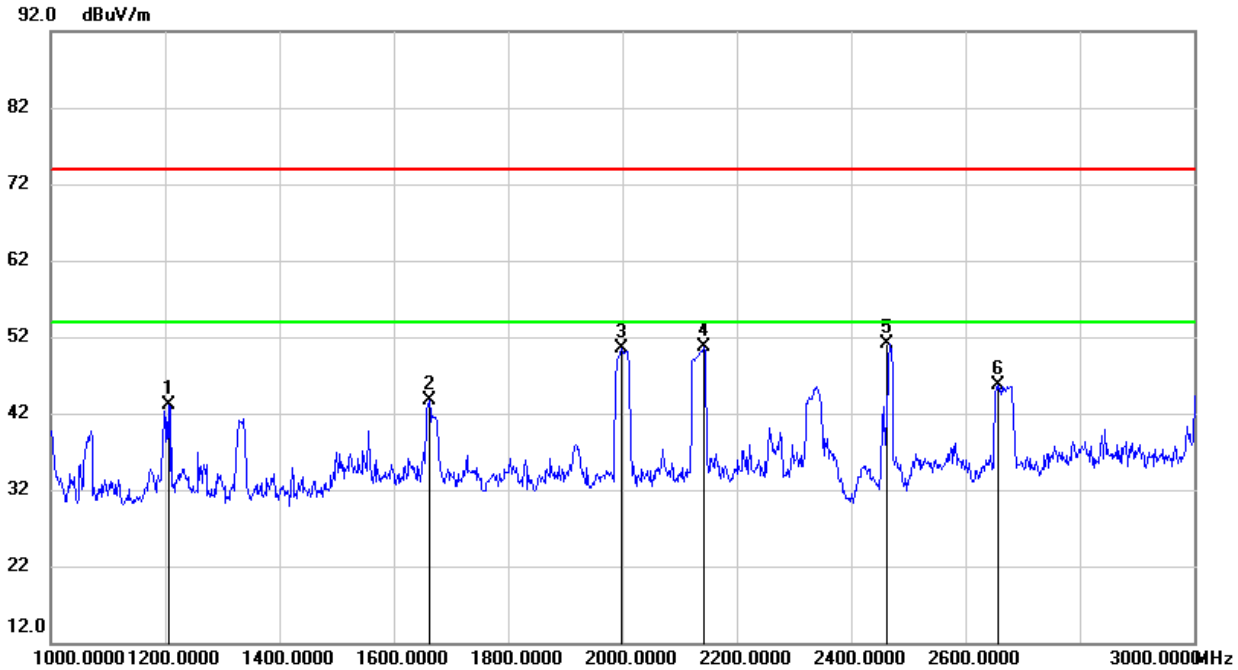
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1206.000	56.06	-12.90	43.16	74.00	-30.84	peak
2	1662.000	54.92	-11.30	43.62	74.00	-30.38	peak
3	1998.000	60.58	-10.01	50.57	74.00	-23.43	peak
4	2142.000	59.75	-9.10	50.65	74.00	-23.35	peak
5	2462.000	58.66	-7.51	51.15	/	/	fundamental
6	2656.000	53.18	-7.43	45.75	74.00	-28.25	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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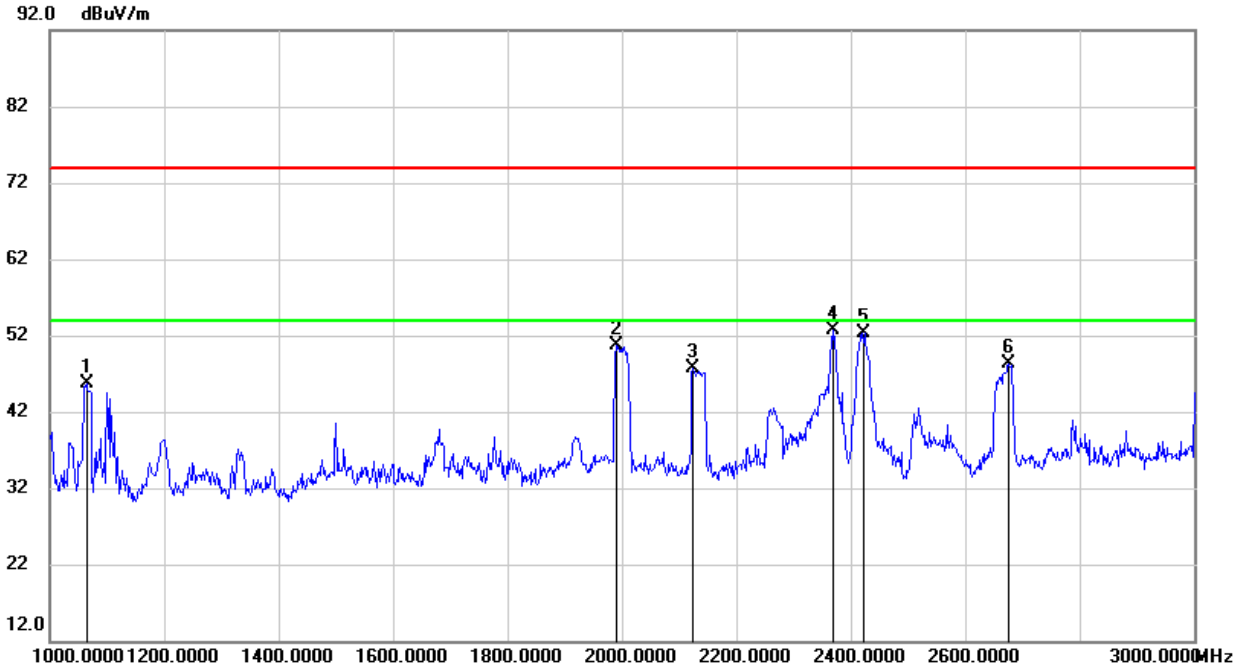
8.3.1. 802.11n HT40 MIMO MODE

2TX MODE (WORST-CASE CONFIGURATION)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1064.000	59.50	-13.80	45.70	74.00	-28.30	peak
2	1990.000	60.78	-10.02	50.76	74.00	-23.24	peak
3	2124.000	56.83	-9.20	47.63	74.00	-26.37	peak
4	2370.000	60.74	-8.06	52.68	74.00	-21.32	peak
5	2422.000	60.13	-7.80	52.33	/	/	fundamental
6	2676.000	55.66	-7.32	48.34	74.00	-25.66	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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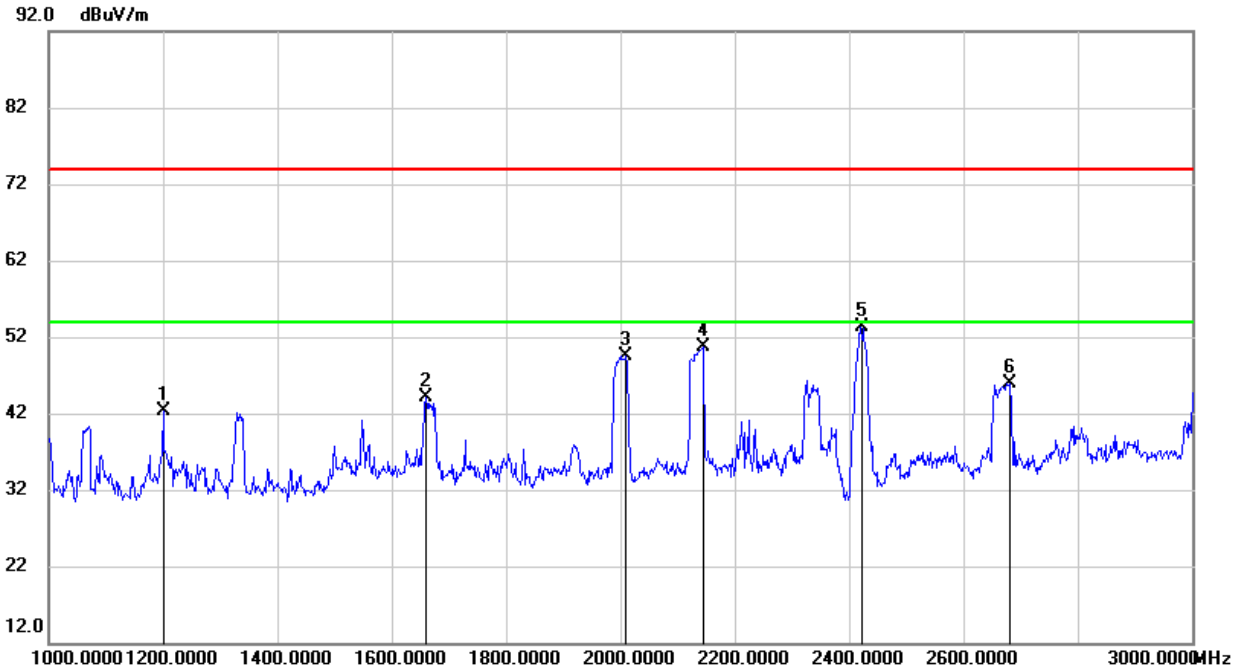
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1200.000	55.31	-12.92	42.39	74.00	-31.61	peak
2	1660.000	55.42	-11.31	44.11	74.00	-29.89	peak
3	2010.000	59.50	-9.93	49.57	74.00	-24.43	peak
4	2144.000	59.82	-9.09	50.73	74.00	-23.27	peak
5	2422.000	61.11	-7.80	53.31	/	/	fundamental
6	2682.000	53.20	-7.28	45.92	74.00	-28.08	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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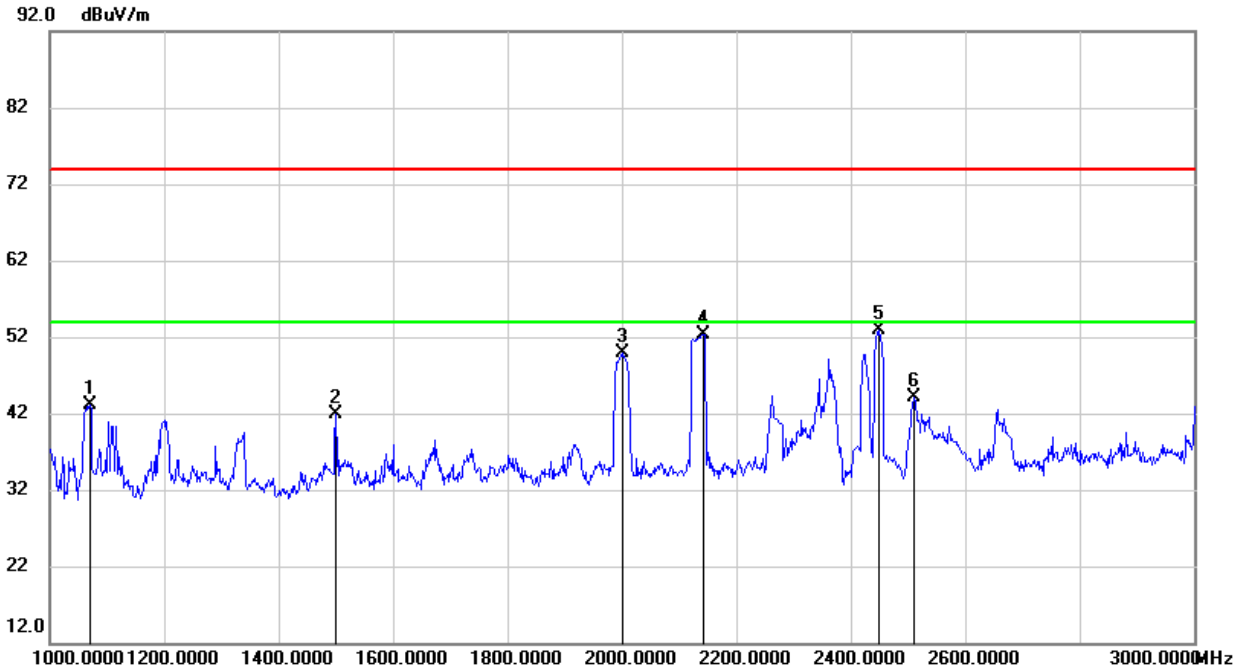
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1070.000	56.81	-13.79	43.02	74.00	-30.98	peak
2	1500.000	54.39	-12.43	41.96	74.00	-32.04	peak
3	2000.000	59.84	-10.00	49.84	74.00	-24.16	peak
4	2142.000	61.48	-9.10	52.38	74.00	-21.62	peak
5	2450.000	60.43	-7.60	52.83	74.00	-21.17	peak
6	2510.000	51.48	-7.29	44.19	74.00	-29.81	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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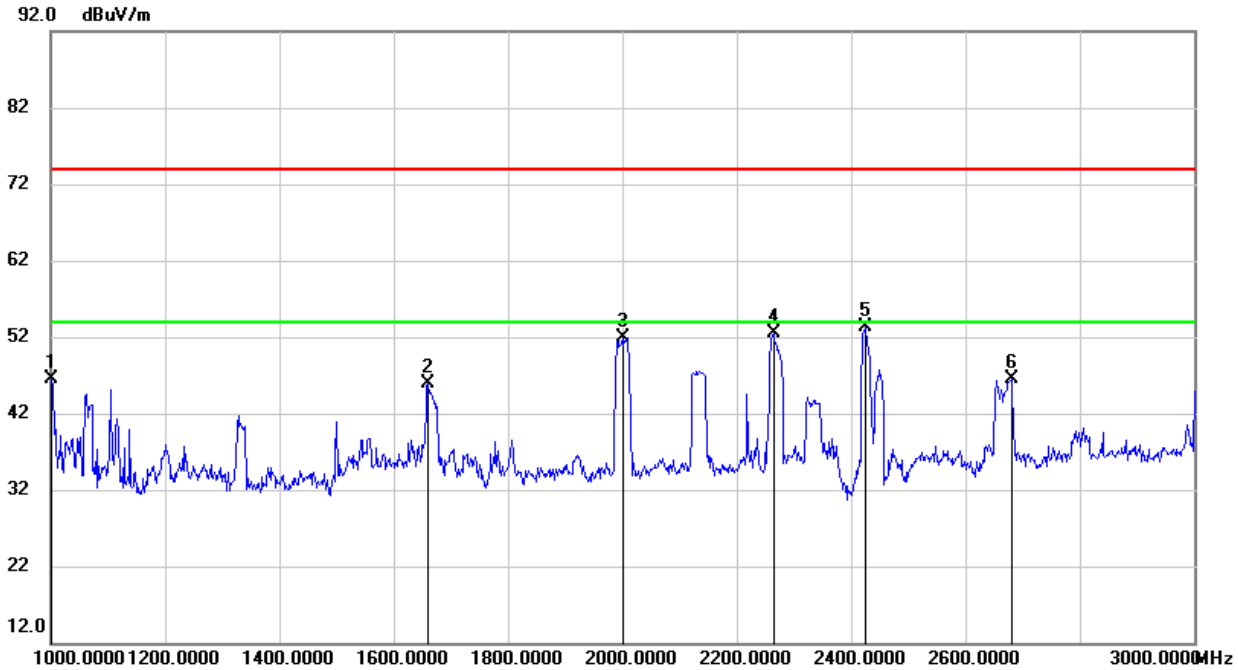
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1002.000	60.29	-13.85	46.44	74.00	-27.56	peak
2	1660.000	57.27	-11.31	45.96	74.00	-28.04	peak
3	2000.000	61.96	-10.00	51.96	74.00	-22.04	peak
4	2264.000	60.95	-8.49	52.46	74.00	-21.54	peak
5	2424.000	61.04	-7.79	53.25	74.00	-20.75	peak
6	2680.000	53.82	-7.28	46.54	74.00	-27.46	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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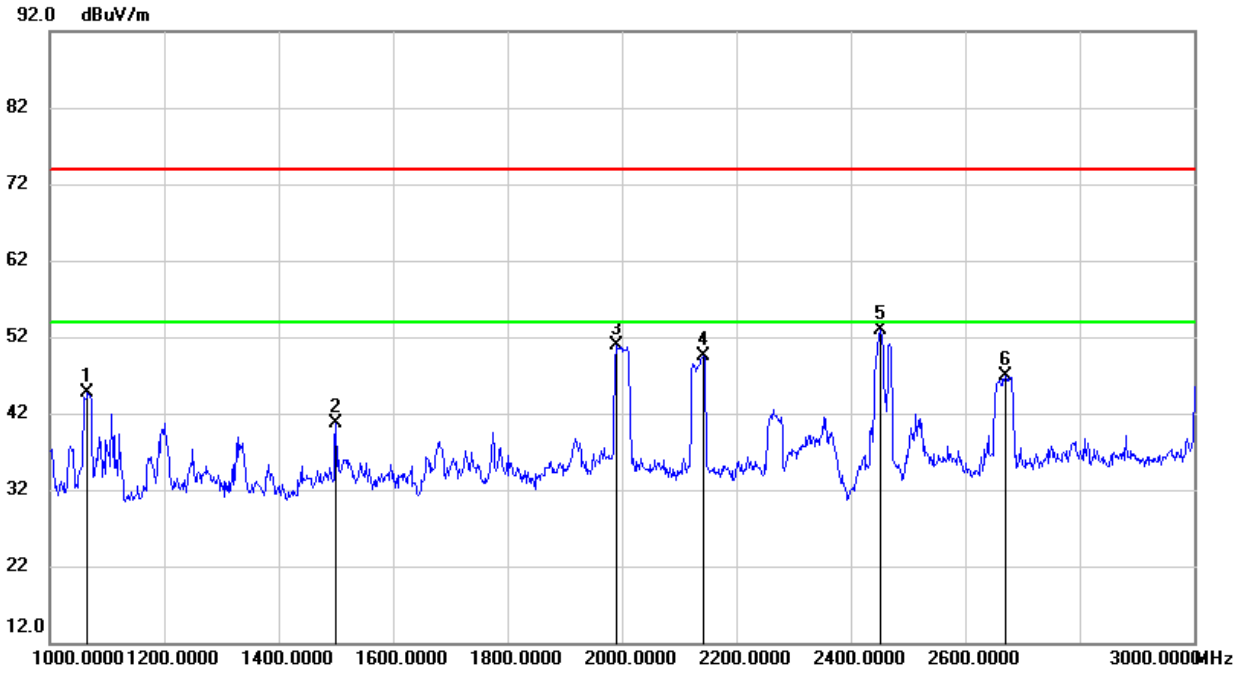
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1066.000	58.45	-13.80	44.65	74.00	-29.35	peak
2	1500.000	53.23	-12.43	40.80	74.00	-33.20	peak
3	1990.000	60.83	-10.02	50.81	74.00	-23.19	peak
4	2142.000	58.61	-9.10	49.51	74.00	-24.49	peak
5	2452.000	60.46	-7.59	52.87	/	/	fundamental
6	2670.000	54.25	-7.35	46.90	74.00	-27.10	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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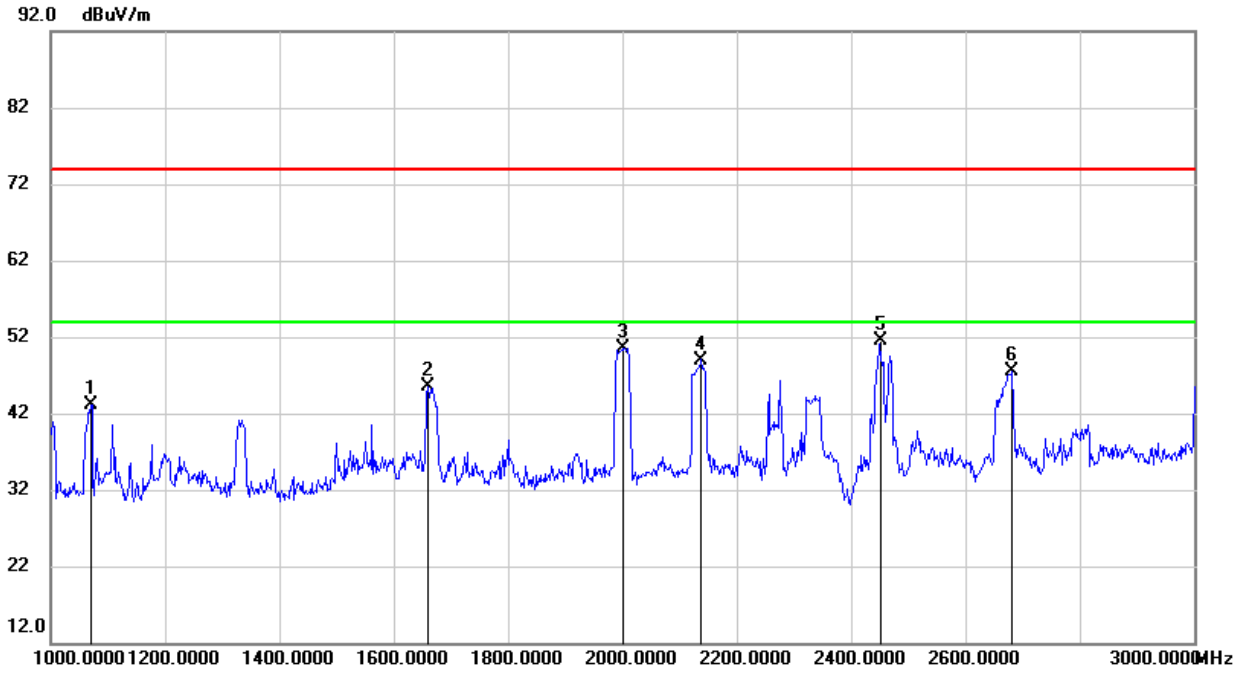
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1070.000	56.81	-13.79	43.02	74.00	-30.98	peak
2	1660.000	56.72	-11.31	45.41	74.00	-28.59	peak
3	2002.000	60.58	-9.99	50.59	74.00	-23.41	peak
4	2138.000	58.12	-9.12	49.00	74.00	-25.00	peak
5	2452.000	59.18	-7.59	51.59	/	/	fundamental
6	2682.000	54.75	-7.27	47.48	74.00	-26.52	peak

Note: 1. Peak Result = 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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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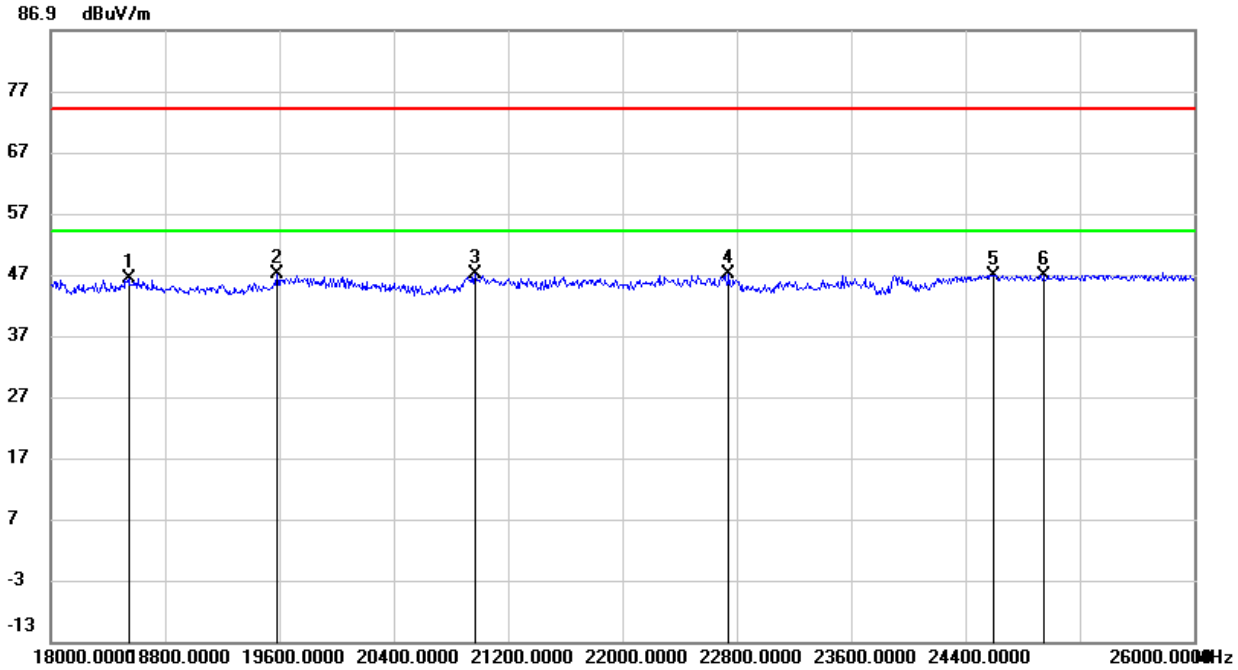
8.4. SPURIOUS EMISSIONS (18~26GHz)

8.4.1. 802.11n HT20 MIMO MODE

2TX MODE (WORST-CASE CONFIGURATION)

SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18544.000	50.76	-4.46	46.30	74.00	-27.70	peak
2	19584.000	51.67	-4.64	47.03	74.00	-26.97	peak
3	20968.000	52.33	-5.26	47.07	74.00	-26.93	peak
4	22744.000	52.68	-5.74	46.94	74.00	-27.06	peak
5	24592.000	49.24	-2.36	46.88	74.00	-27.12	peak
6	24944.000	48.18	-1.28	46.90	74.00	-27.10	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.

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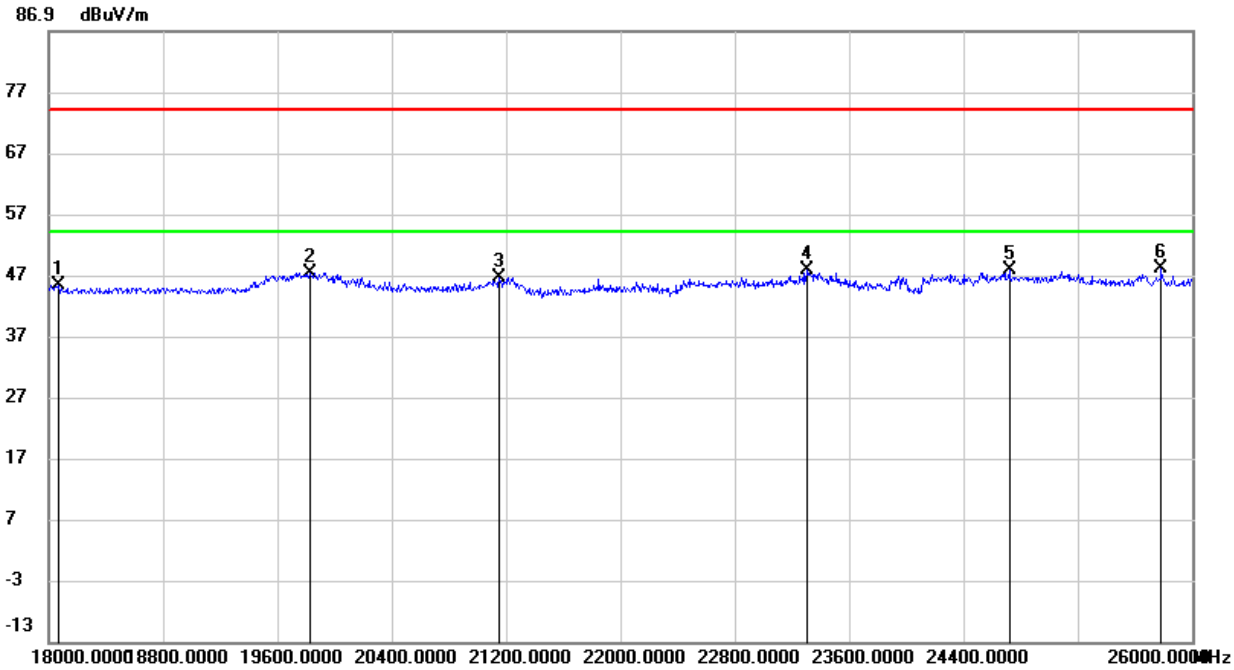
SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18072.000	49.30	-4.02	45.28	74.00	-28.72	peak
2	19824.000	51.66	-4.34	47.32	74.00	-26.68	peak
3	21152.000	52.06	-5.42	46.64	74.00	-27.36	peak
4	23304.000	52.87	-5.16	47.71	74.00	-26.29	peak
5	24720.000	49.87	-2.02	47.85	74.00	-26.15	peak
6	25784.000	49.58	-1.49	48.09	74.00	-25.91	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.

Note: All test mode has been tested, only the worst data record in the report

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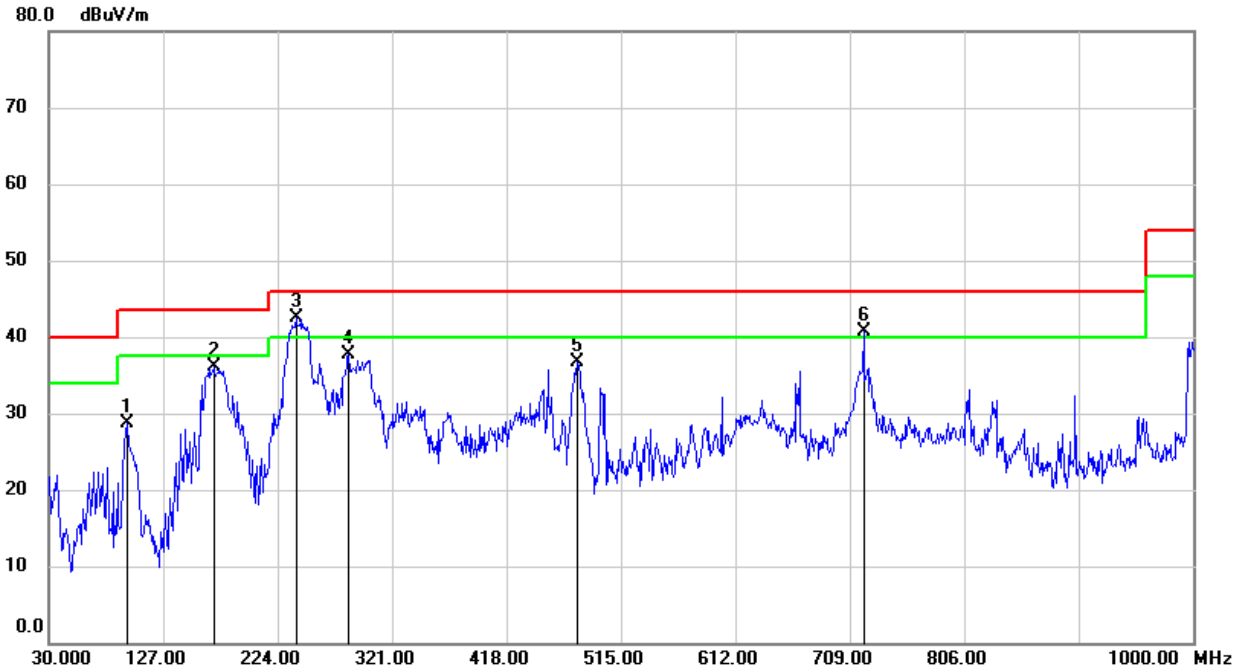
8.5. SPURIOUS EMISSIONS (0.03 ~ 1 GHz)

8.5.1. 802. 11n HT20 MIMO MODE

2TX MODE (WORST-CASE CONFIGURATION)

SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	96.9300	50.31	-21.52	28.79	43.50	-14.71	QP
2	169.6799	52.81	-16.75	36.06	43.50	-7.44	QP
3	239.5200	59.41	-16.85	42.56	46.00	-3.44	QP
4	284.1400	52.22	-14.61	37.61	46.00	-8.39	QP
5	478.1400	47.52	-10.87	36.65	46.00	-9.35	QP
6	720.6400	46.85	-6.10	40.75	46.00	-5.25	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.

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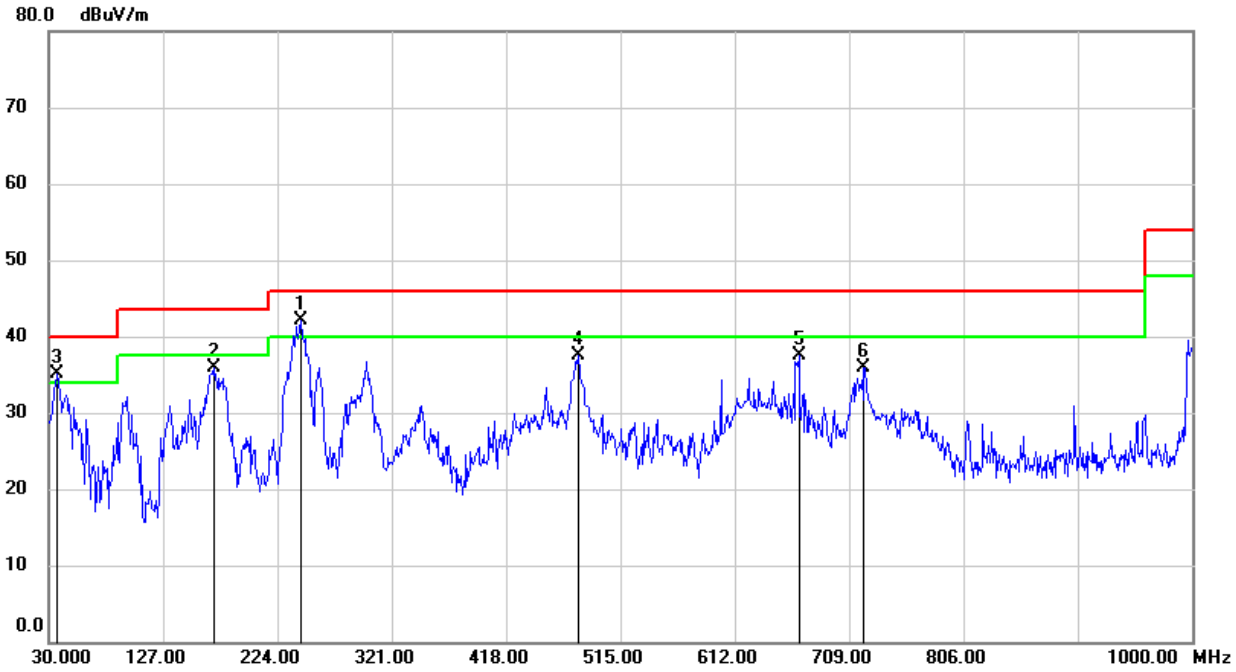
SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	244.3700	58.80	-16.62	42.18	46.00	-3.82	QP
2	169.6799	52.64	-16.75	35.89	43.50	-7.61	QP
3	36.7900	52.86	-17.71	35.15	40.00	-4.85	QP
4	479.1100	48.46	-10.86	37.60	46.00	-8.40	QP
5	666.3200	44.81	-7.23	37.58	46.00	-8.42	QP
6	721.6100	42.00	-6.11	35.89	46.00	-10.11	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

Note: All test mode has been tested, only the worst data record in the report.

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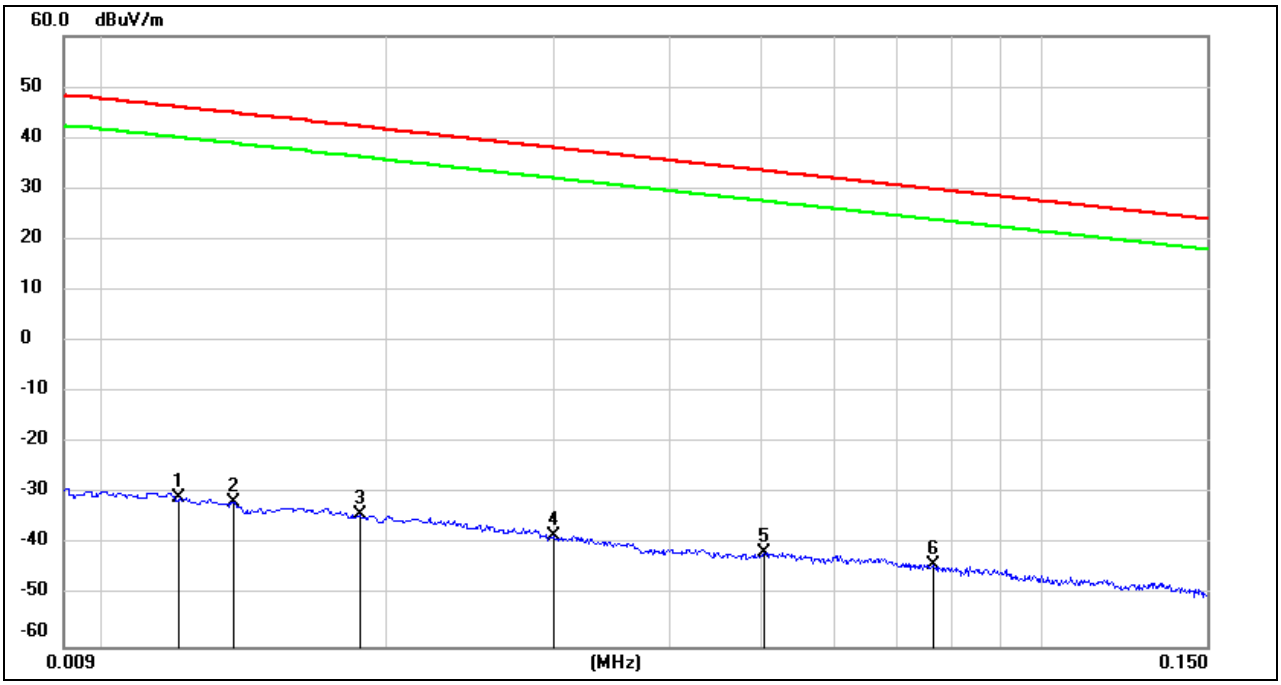
8.6. SPURIOUS EMISSIONS BELOW 30M

8.6.1. 802. 11n HT20 MIMO MODE

2TX MODE (WORST-CASE CONFIGURATION)

SPURIOUS EMISSIONS (MID CHANNEL, LOOP ANTENNA FACE ON TO THE EUT, WORST-CASE CONFIGURATION)

9kHz~ 150kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0120	70.66	-101.39	-30.73	46.02	-76.75	peak
2	0.0137	69.72	-101.38	-31.66	44.87	-76.53	peak
3	0.0187	67.20	-101.35	-34.15	42.16	-76.31	peak
4	0.0300	63.18	-101.39	-38.21	38.06	-76.27	peak
5	0.0504	59.88	-101.48	-41.60	33.55	-75.15	peak
6	0.0767	57.59	-101.61	-44.02	29.91	-73.93	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.
3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

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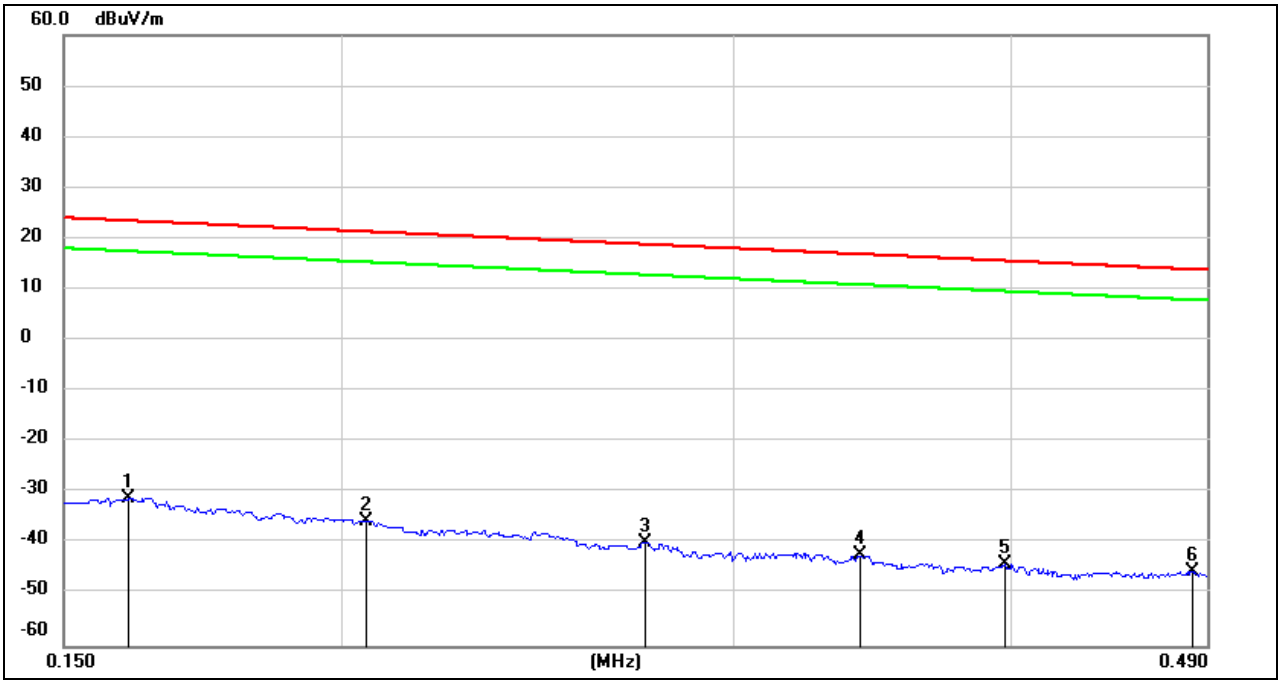
150kHz ~ 0.49MHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1604	70.68	-101.65	-30.97	23.50	-54.47	peak
2	0.2053	66.30	-101.73	-35.43	21.35	-56.78	peak
3	0.2736	62.08	-101.83	-39.75	18.86	-58.61	peak
4	0.3421	59.60	-101.90	-42.30	16.92	-59.22	peak
5	0.3975	58.00	-101.96	-43.96	15.61	-59.57	peak
6	0.4823	56.69	-102.04	-45.35	13.94	-59.29	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.

3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

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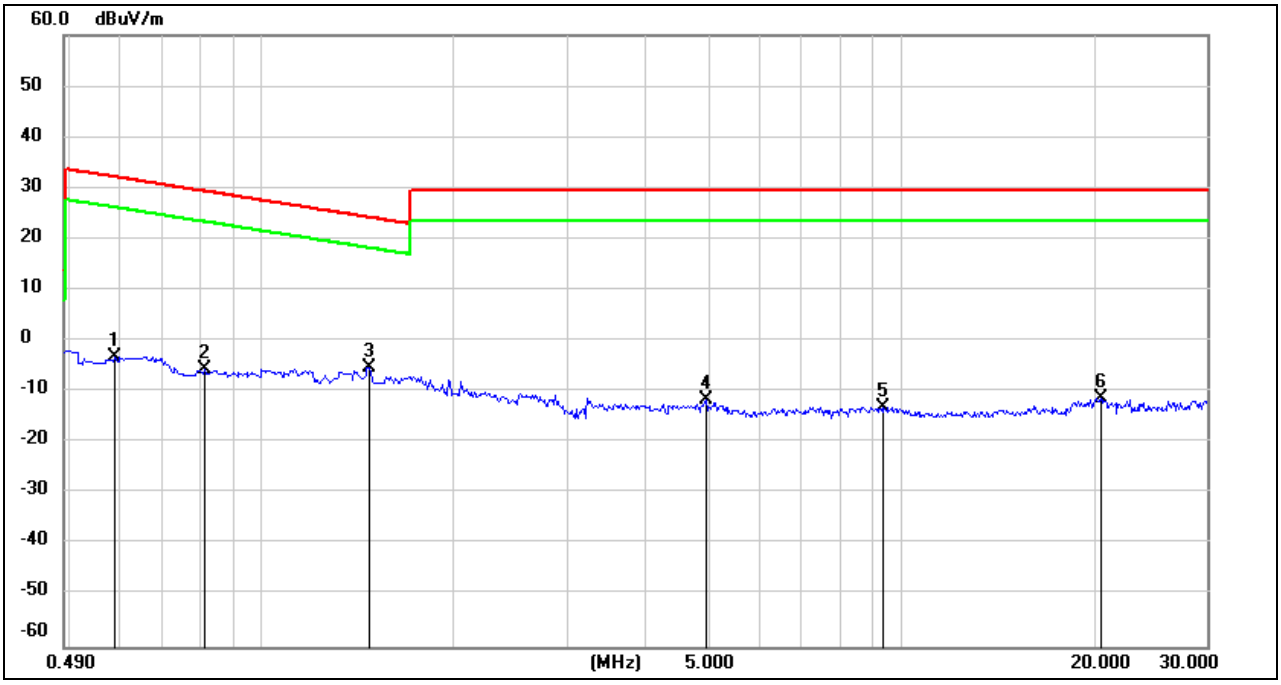
0.49MHz ~ 30MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.5872	58.98	-62.08	-3.10	32.23	-35.33	peak
2	0.8145	56.52	-62.16	-5.64	29.38	-35.02	peak
3	1.4700	56.89	-62.05	-5.16	24.26	-29.42	peak
4	4.9481	49.79	-61.47	-11.68	29.54	-41.22	peak
5	9.3725	47.88	-60.89	-13.01	29.54	-42.55	peak
6	20.4978	49.58	-60.79	-11.21	29.54	-40.75	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.
3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

Note: All test mode has been tested, only the worst data record in the report.

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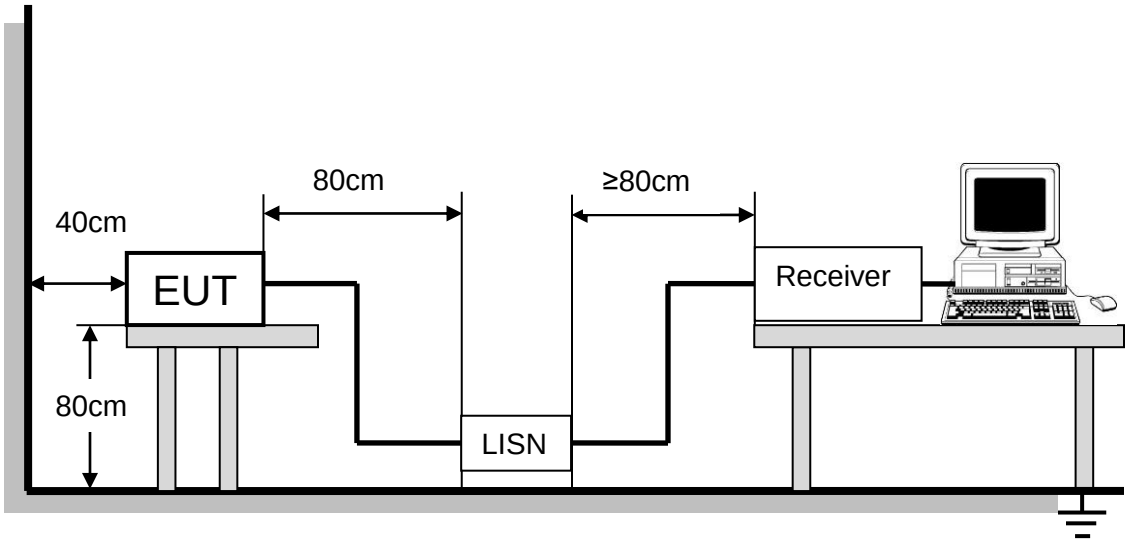
9. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	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 ENVIRONMENT

Temperature	24.7°C	Relative Humidity	51%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V_60Hz

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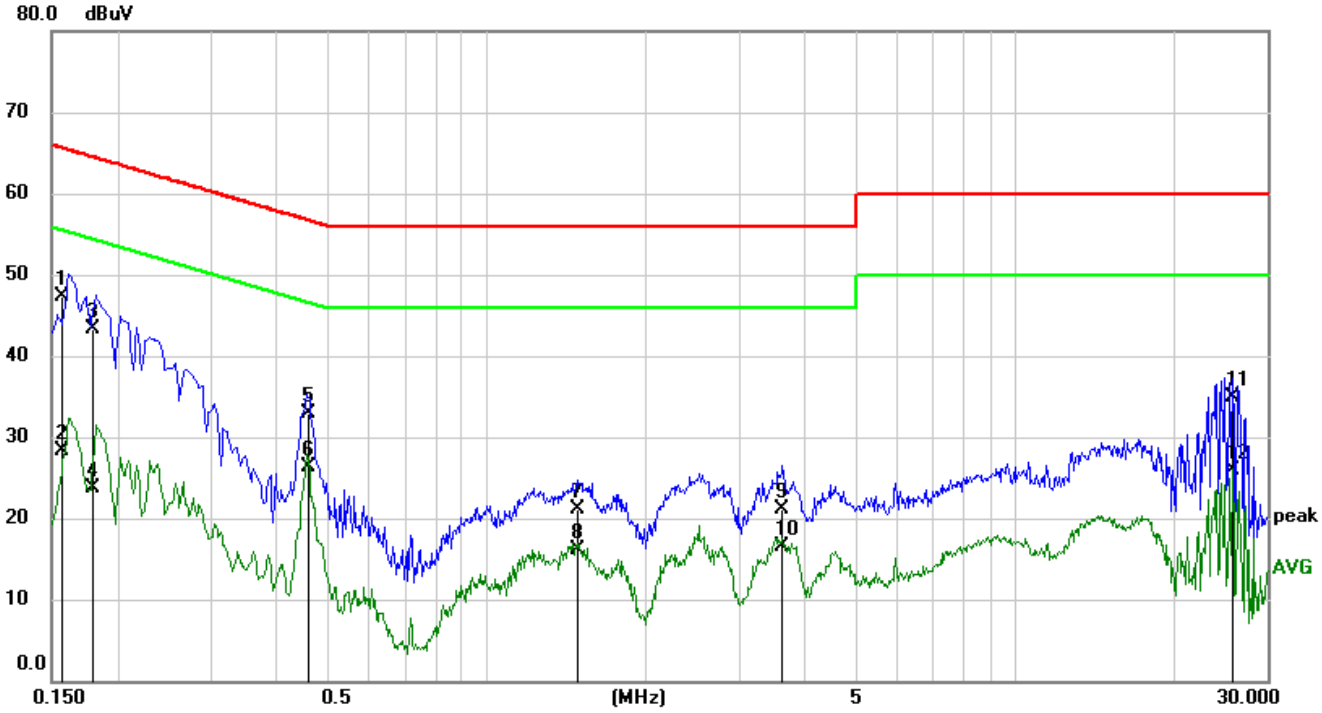
TEST RESULTS

9.1. 802. 11n HT20 MIMO MODE

2TX MODE (WORST-CASE CONFIGURATION)

LINE N RESULTS (MID CHANNEL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1572	37.70	9.60	47.30	65.61	-18.31	QP
2	0.1572	18.75	9.60	28.35	55.61	-27.26	AVG
3	0.1791	33.74	9.60	43.34	64.53	-21.19	QP
4	0.1791	14.20	9.60	23.80	54.53	-30.73	AVG
5	0.4593	23.27	9.60	32.87	56.71	-23.84	QP
6	0.4593	16.80	9.60	26.40	46.71	-20.31	AVG
7	1.4807	11.50	9.61	21.11	56.00	-34.89	QP
8	1.4807	6.47	9.61	16.08	46.00	-29.92	AVG
9	3.6285	11.53	9.66	21.19	56.00	-34.81	QP
10	3.6285	6.75	9.66	16.41	46.00	-29.59	AVG
11	25.8372	24.81	10.04	34.85	60.00	-25.15	QP
12	25.8372	15.82	10.04	25.86	50.00	-24.14	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.

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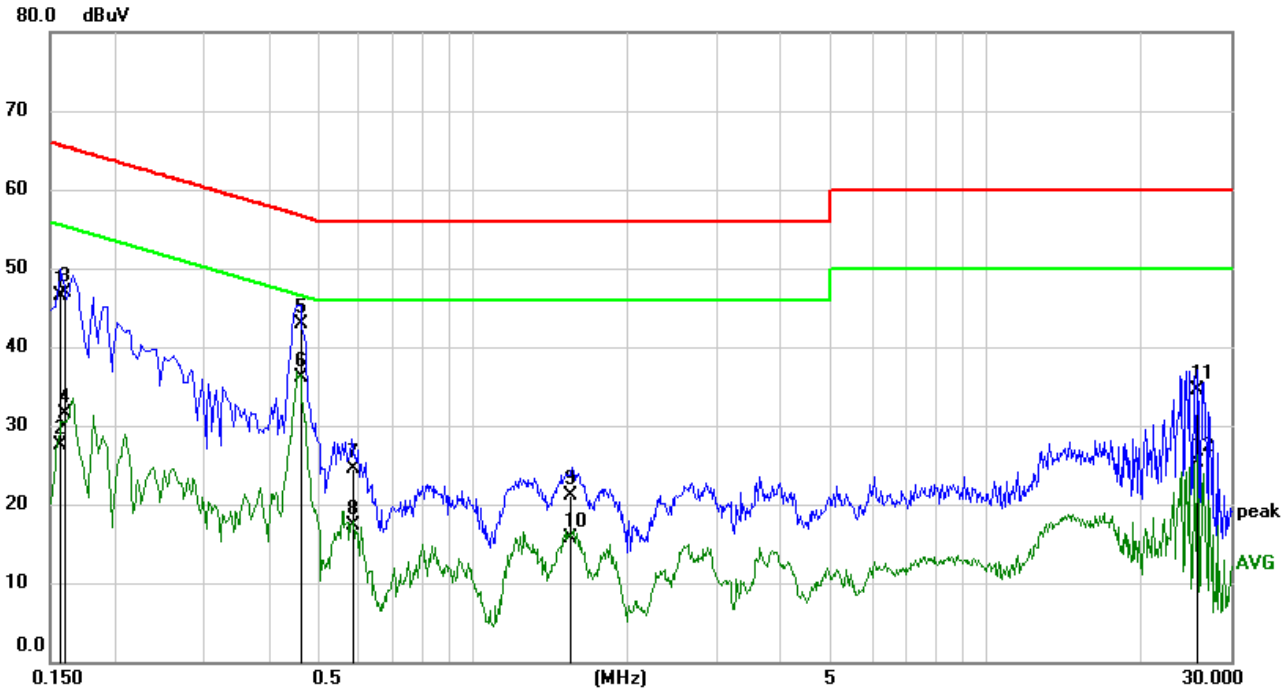
LINE L RESULTS (MID CHANNEL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1570	36.92	9.61	46.53	65.62	-19.09	QP
2	0.1570	17.90	9.61	27.51	55.62	-28.11	AVG
3	0.1616	37.29	9.61	46.90	65.38	-18.48	QP
4	0.1616	21.91	9.61	31.52	55.38	-23.86	AVG
5	0.4590	33.39	9.60	42.99	56.71	-13.72	QP
6	0.4590	26.57	9.60	36.17	46.71	-10.54	AVG
7	0.5862	14.93	9.60	24.53	56.00	-31.47	QP
8	0.5862	7.79	9.60	17.39	46.00	-28.61	AVG
9	1.5485	11.47	9.62	21.09	56.00	-34.91	QP
10	1.5485	6.17	9.62	15.79	46.00	-30.21	AVG
11	25.8369	24.64	9.93	34.57	60.00	-25.43	QP
12	25.8369	15.46	9.93	25.39	50.00	-24.61	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.

Note: All test mode has been tested, only the worst data record in the report

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10. 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

Complies

END OF REPORT

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