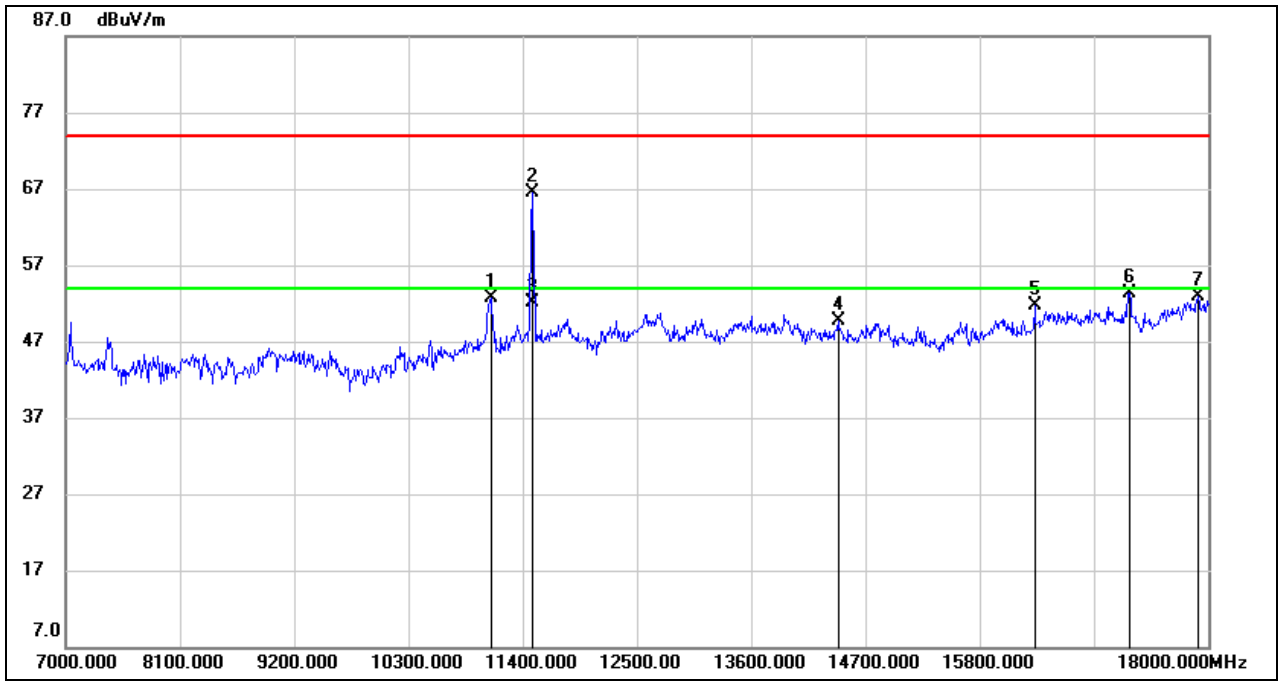
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11092.000	39.98	12.81	52.79	74.00	-21.21	peak
2	11490.797	52.88	13.56	66.44	74.00	-7.56	peak
3	11490.797	38.58	13.56	52.14	54.00	-1.86	AVG
4	14436.000	33.55	16.10	49.65	74.00	-24.35	peak
5	16328.000	33.13	18.65	51.78	74.00	-22.22	peak
6	17241.000	31.78	21.58	53.36	74.00	-20.64	peak
7	17901.000	29.28	23.59	52.87	74.00	-21.13	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 the transmitting duration.

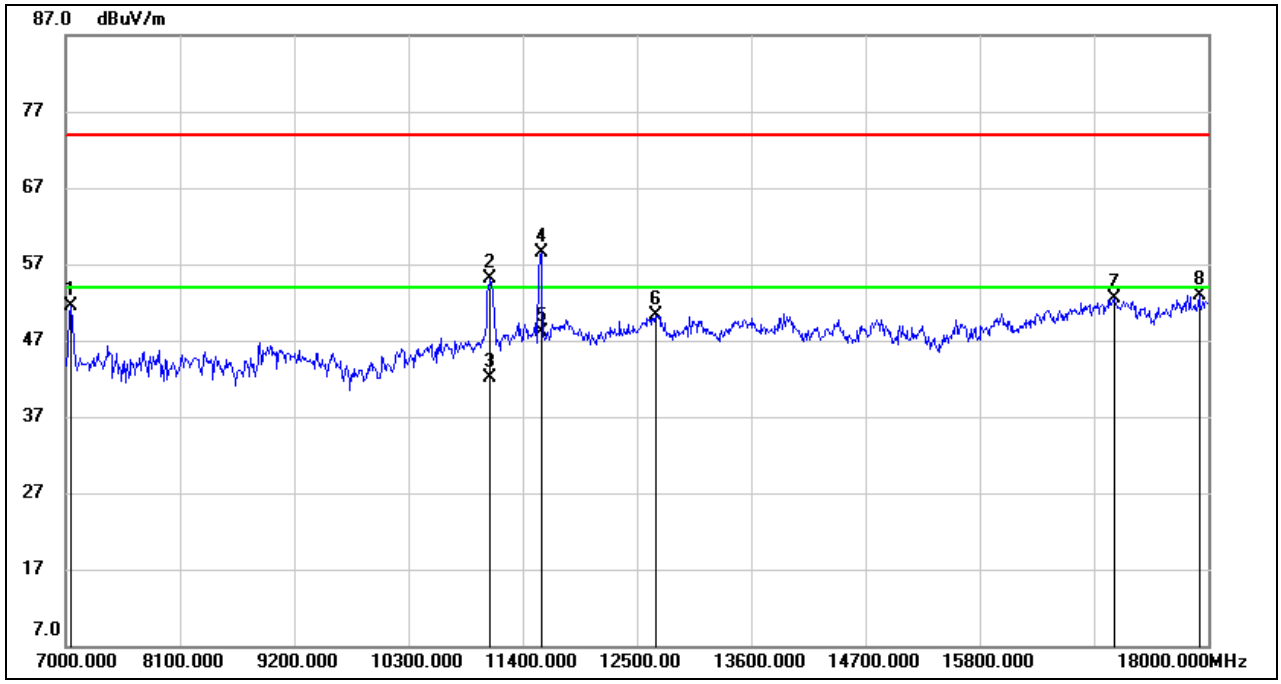
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7055.000	45.02	6.51	51.53	74.00	-22.47	peak
2	11081.000	42.39	12.79	55.18	74.00	-18.82	peak
3	11081.000	29.37	12.79	42.16	54.00	-11.84	AVG
4	11573.103	44.73	13.68	58.41	74.00	-15.59	peak
5	11573.103	34.46	13.68	48.14	54.00	-5.86	AVG
6	12676.000	35.16	15.23	50.39	74.00	-23.61	peak
7	17098.000	31.52	21.07	52.59	74.00	-21.41	peak
8	17912.000	29.32	23.61	52.93	74.00	-21.07	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 the transmitting duration.

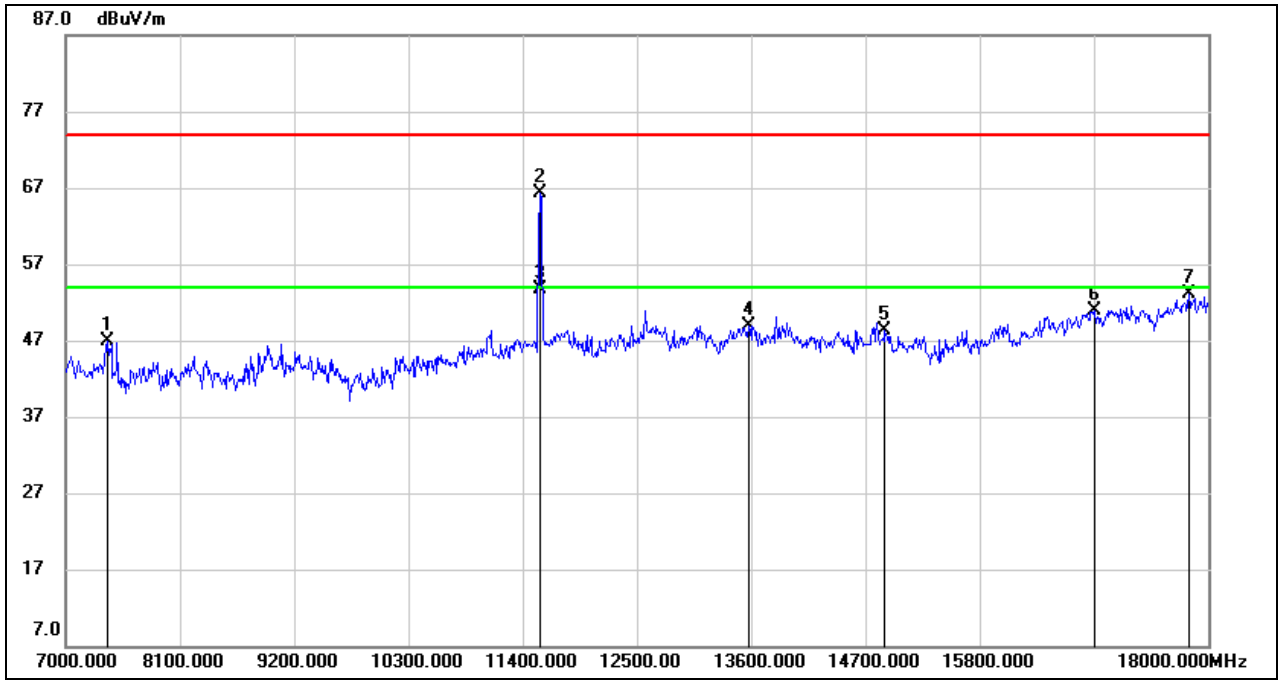
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7407.000	39.43	7.40	46.83	74.00	-27.17	peak
2	11573.072	52.64	13.68	66.32	74.00	-7.68	peak
3	11573.072	40.12	13.68	53.80	54.00	-0.20	AVG
4	13578.000	33.11	15.89	49.00	74.00	-25.00	peak
5	14887.000	32.26	16.04	48.30	74.00	-25.70	peak
6	16911.000	30.61	20.32	50.93	74.00	-23.07	peak
7	17813.000	29.69	23.50	53.19	74.00	-20.81	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

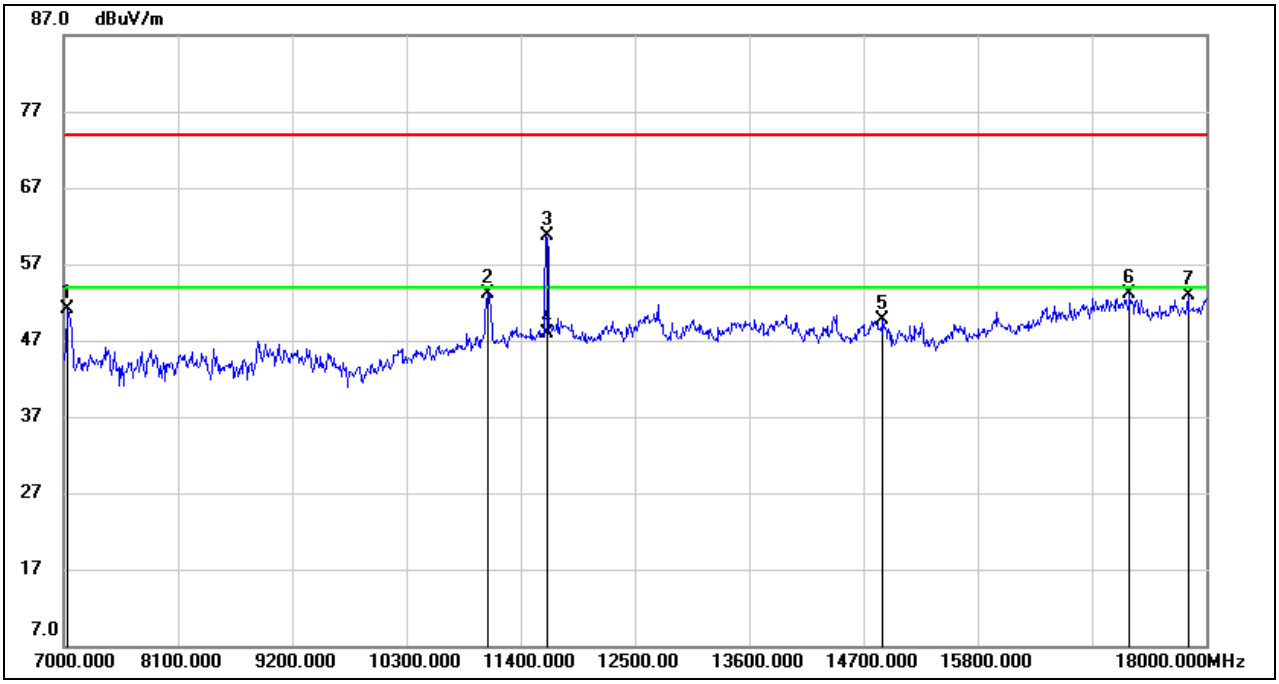
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7033.000	44.63	6.42	51.05	74.00	-22.95	peak
2	11081.000	40.37	12.79	53.16	74.00	-20.84	peak
3	11653.418	46.74	13.93	60.67	74.00	-13.33	peak
4	11653.418	33.94	13.93	47.87	54.00	-6.13	AVG
5	14887.000	33.68	16.04	49.72	74.00	-24.28	peak
6	17263.000	31.56	21.53	53.09	74.00	-20.91	peak
7	17824.000	29.34	23.52	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

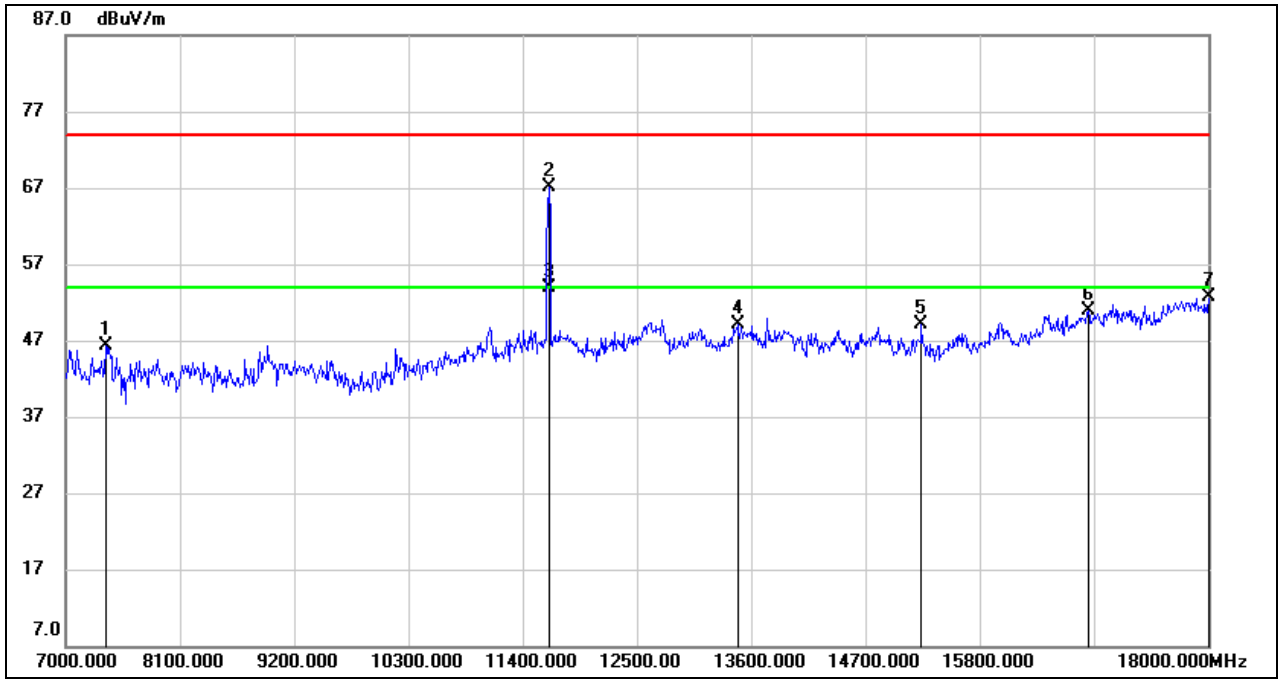
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7385.000	38.90	7.40	46.30	74.00	-27.70	peak
2	11650.682	53.09	13.93	67.02	74.00	-6.98	peak
3	11650.682	40.06	13.93	53.99	54.00	-0.01	AVG
4	13468.000	33.17	15.95	49.12	74.00	-24.88	peak
5	15239.000	33.34	15.84	49.18	74.00	-24.82	peak
6	16845.000	30.69	20.20	50.89	74.00	-23.11	peak
7	18000.000	29.10	23.69	52.79	74.00	-21.21	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 the transmitting duration.

5. For the transmitting 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 High Pass Filter losses.

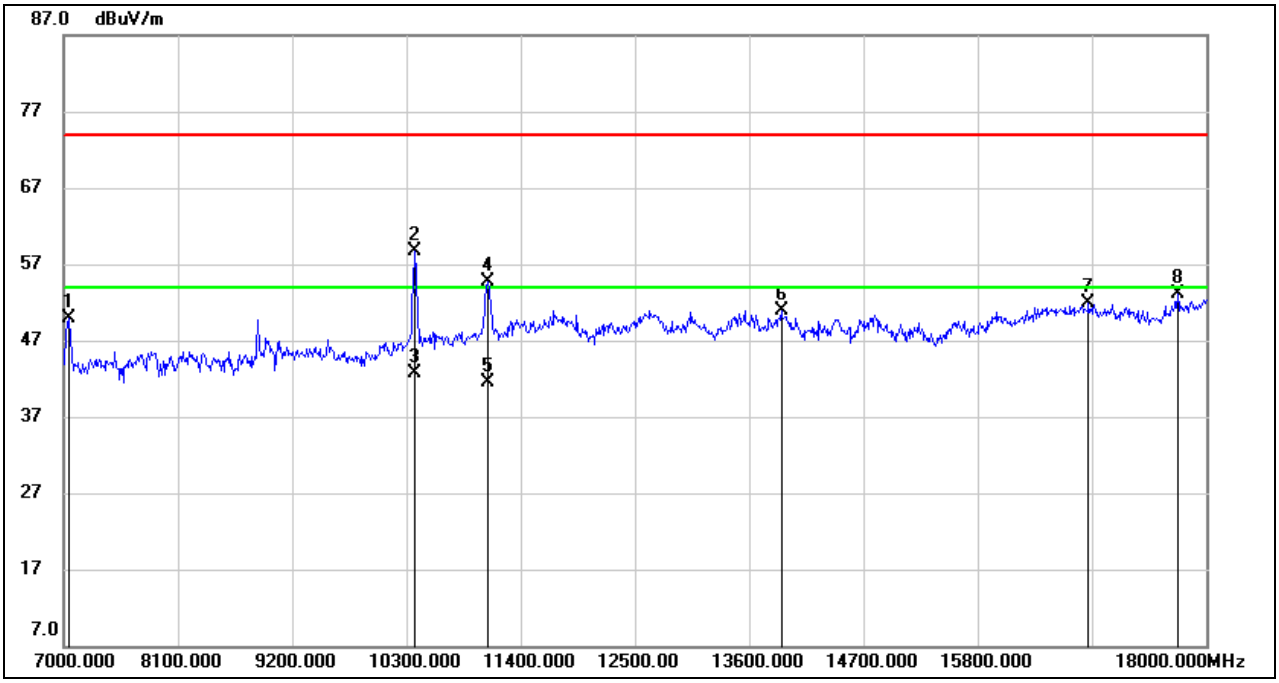
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

8.3.3. 802.11ac VHT40 MIMO MODE

UNII-1 BAND

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	7044.000	43.50	6.47	49.97	74.00	-24.03	peak
2	10381.735	47.66	11.04	58.70	74.00	-15.30	peak
3	10381.735	31.68	11.04	42.72	54.00	-11.28	AVG
4	11081.000	41.87	12.79	54.66	74.00	-19.34	peak
5	11081.000	28.73	12.79	41.52	54.00	-12.48	AVG
6	13908.000	34.61	16.26	50.87	74.00	-23.13	peak
7	16867.000	31.68	20.23	51.91	74.00	-22.09	peak
8	17725.000	30.15	22.94	53.09	74.00	-20.91	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

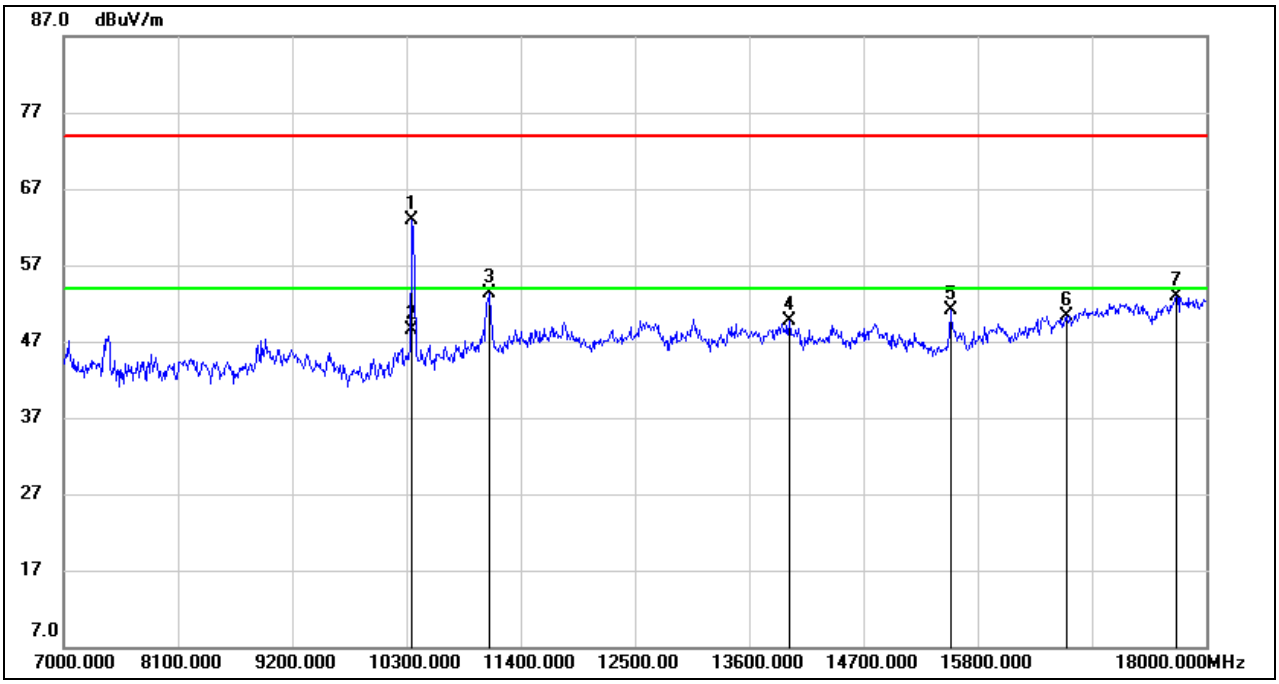
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	10355.060	51.95	10.94	62.89	74.00	-11.11	peak
2	10355.060	37.56	10.94	48.50	54.00	-5.50	AVG
3	11103.000	40.48	12.84	53.32	74.00	-20.68	peak
4	13985.000	33.61	16.13	49.74	74.00	-24.26	peak
5	15536.000	34.71	16.49	51.20	74.00	-22.80	peak
6	16658.000	30.36	19.99	50.35	74.00	-23.65	peak
7	17714.000	30.10	22.85	52.95	74.00	-21.05	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

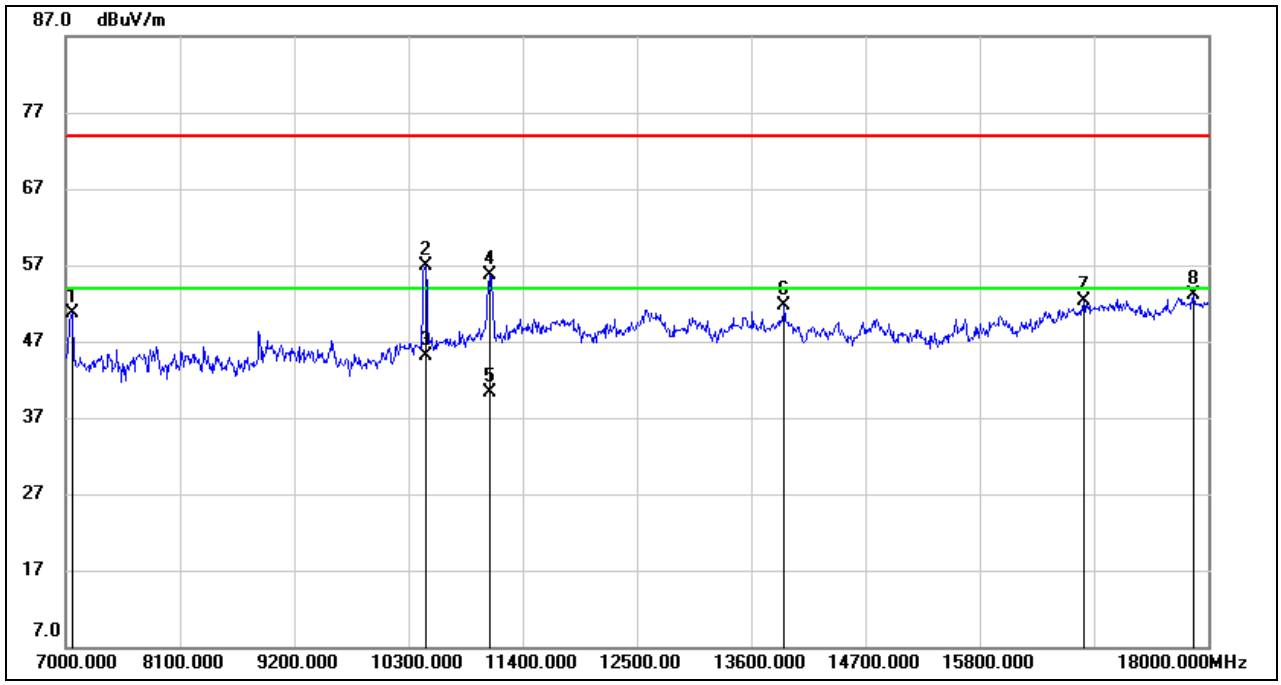
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7066.000	44.09	6.55	50.64	74.00	-23.36	peak
2	10460.000	45.63	11.37	57.00	74.00	-17.00	peak
3	10460.000	33.73	11.37	45.10	54.00	-8.90	AVG
4	11081.000	42.97	12.79	55.76	74.00	-18.24	peak
5	11081.000	27.46	12.79	40.25	54.00	-13.75	AVG
6	13919.000	35.47	16.24	51.71	74.00	-22.29	peak
7	16801.000	32.10	20.12	52.22	74.00	-21.78	peak
8	17857.000	29.49	23.55	53.04	74.00	-20.96	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.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

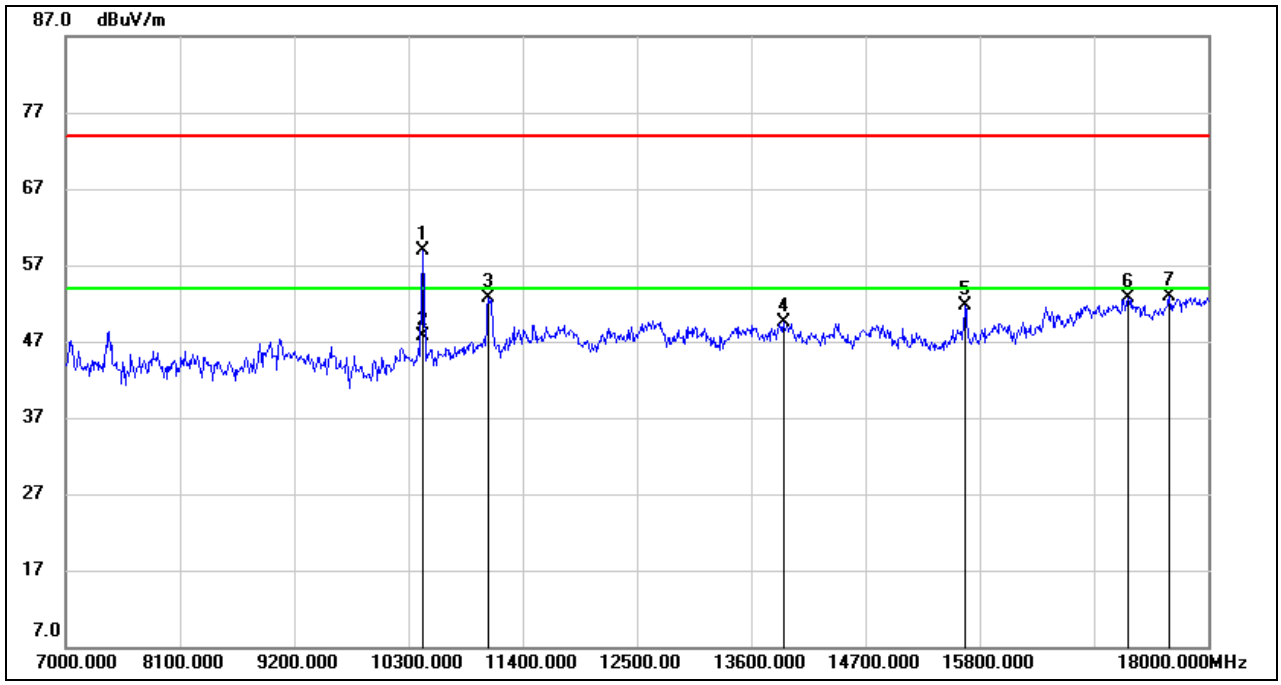
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	10443.000	47.55	11.30	58.85	74.00	-15.15	peak
2	10443.000	36.42	11.30	47.72	54.00	-6.28	AVG
3	11070.000	39.85	12.78	52.63	74.00	-21.37	peak
4	13908.000	33.19	16.26	49.45	74.00	-24.55	peak
5	15657.000	34.84	16.78	51.62	74.00	-22.38	peak
6	17230.000	31.16	21.61	52.77	74.00	-21.23	peak
7	17626.000	30.68	22.20	52.88	74.00	-21.12	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

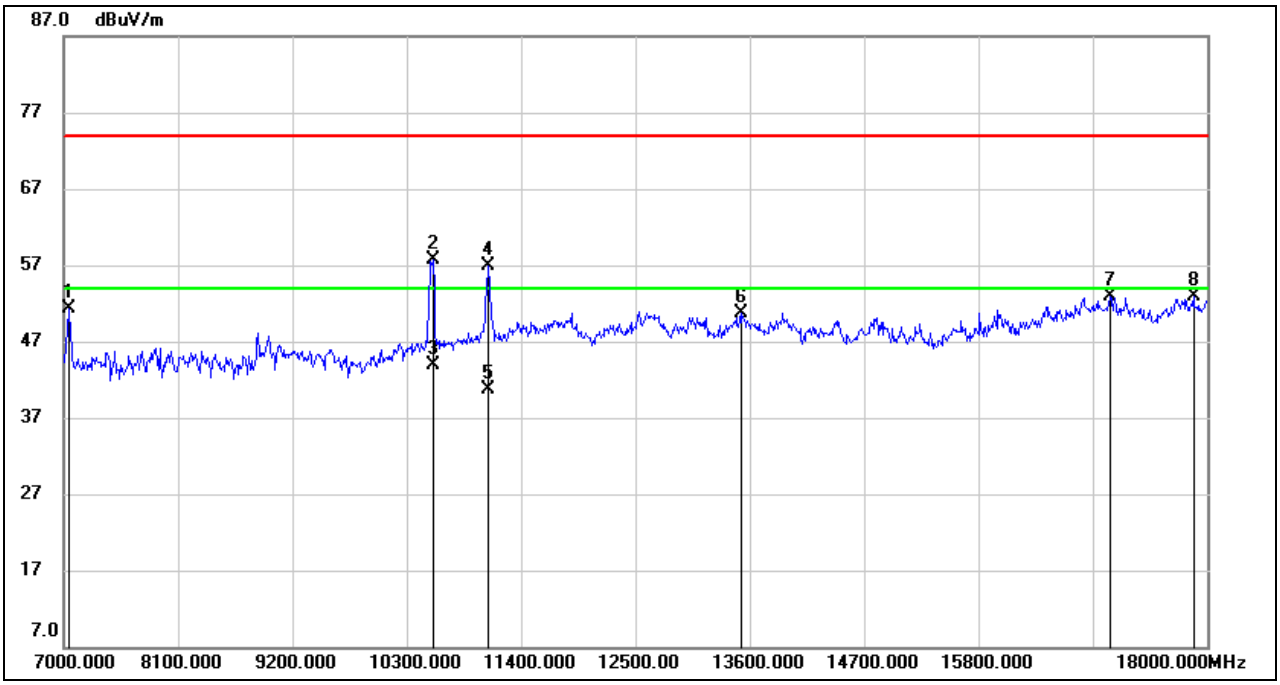
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

UNII-2A BAND

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	7044.000	44.85	6.47	51.32	74.00	-22.68	peak
2	10546.510	46.04	11.69	57.73	74.00	-16.27	peak
3	10546.510	32.25	11.69	43.94	54.00	-10.06	AVG
4	11081.000	44.05	12.79	56.84	74.00	-17.16	peak
5	11081.000	27.86	12.79	40.65	54.00	-13.35	AVG
6	13512.000	34.77	15.94	50.71	74.00	-23.29	peak
7	17065.000	31.96	20.87	52.83	74.00	-21.17	peak
8	17868.000	29.39	23.56	52.95	74.00	-21.05	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

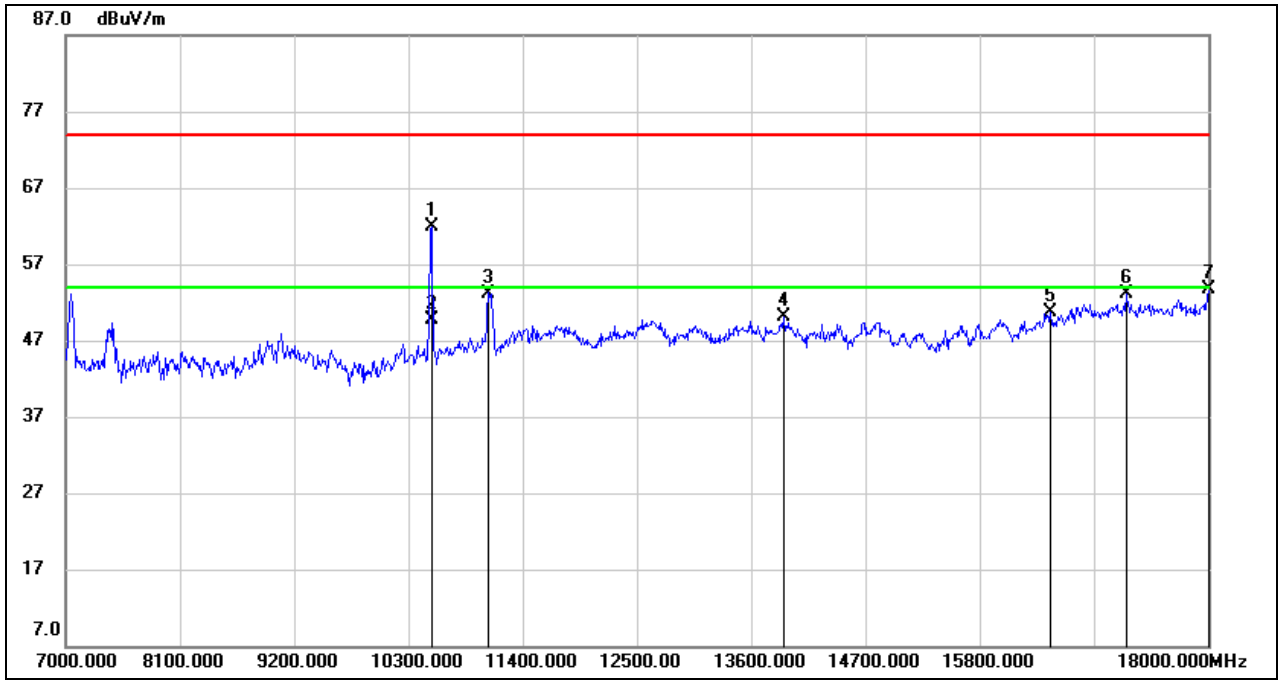
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	10519.481	50.36	11.59	61.95	74.00	-12.05	peak
2	10519.481	38.08	11.59	49.67	54.00	-4.33	AVG
3	11070.000	40.42	12.78	53.20	74.00	-20.80	peak
4	13908.000	33.82	16.26	50.08	74.00	-23.92	peak
5	16482.000	31.28	19.36	50.64	74.00	-23.36	peak
6	17208.000	31.36	21.67	53.03	74.00	-20.97	peak
7	18000.000	29.94	23.69	53.63	74.00	-20.37	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.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

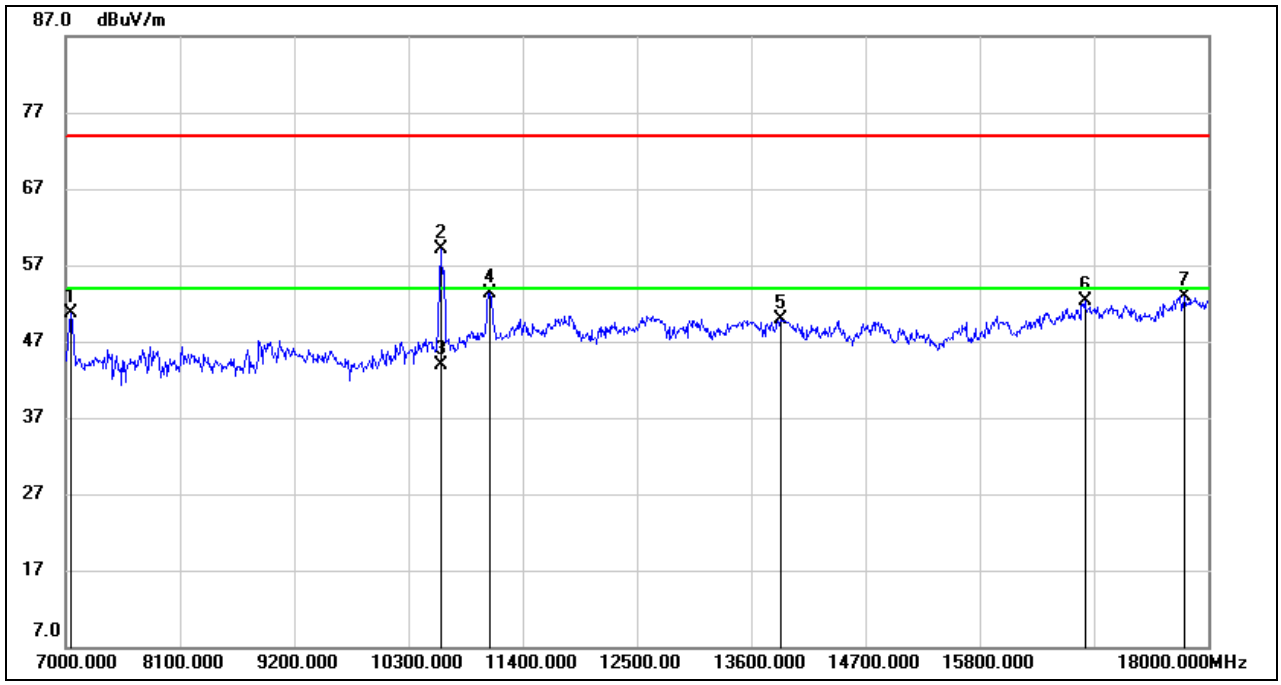
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7055.000	44.21	6.51	50.72	74.00	-23.28	peak
2	10621.790	47.12	11.89	59.01	74.00	-14.99	peak
3	10621.790	32.06	11.89	43.95	54.00	-10.05	AVG
4	11081.000	40.57	12.79	53.36	74.00	-20.64	peak
5	13886.000	33.64	16.31	49.95	74.00	-24.05	peak
6	16812.000	32.07	20.14	52.21	74.00	-21.79	peak
7	17769.000	29.65	23.26	52.91	74.00	-21.09	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

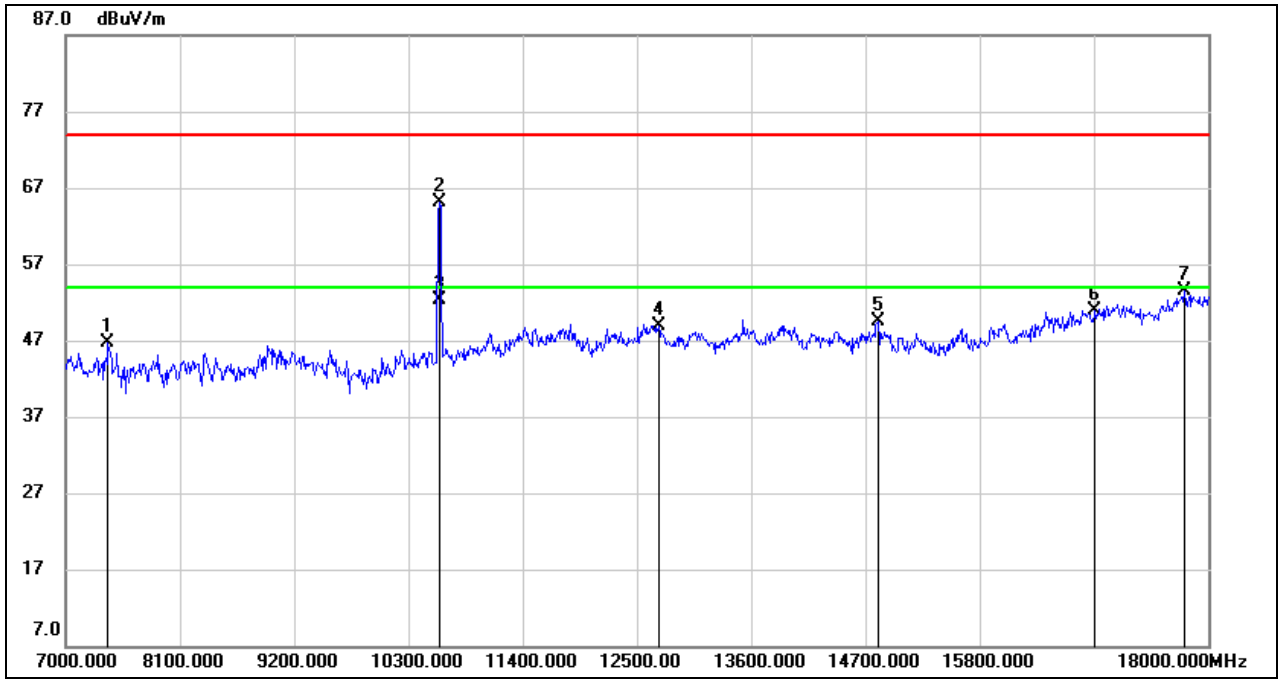
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7407.000	39.30	7.40	46.70	74.00	-27.30	peak
2	10601.875	53.19	11.86	65.05	74.00	-8.95	peak
3	10601.875	40.41	11.86	52.27	54.00	-1.73	AVG
4	12709.000	33.62	15.26	48.88	74.00	-25.12	peak
5	14821.000	33.46	16.03	49.49	74.00	-24.51	peak
6	16911.000	30.65	20.32	50.97	74.00	-23.03	peak
7	17769.000	30.18	23.26	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

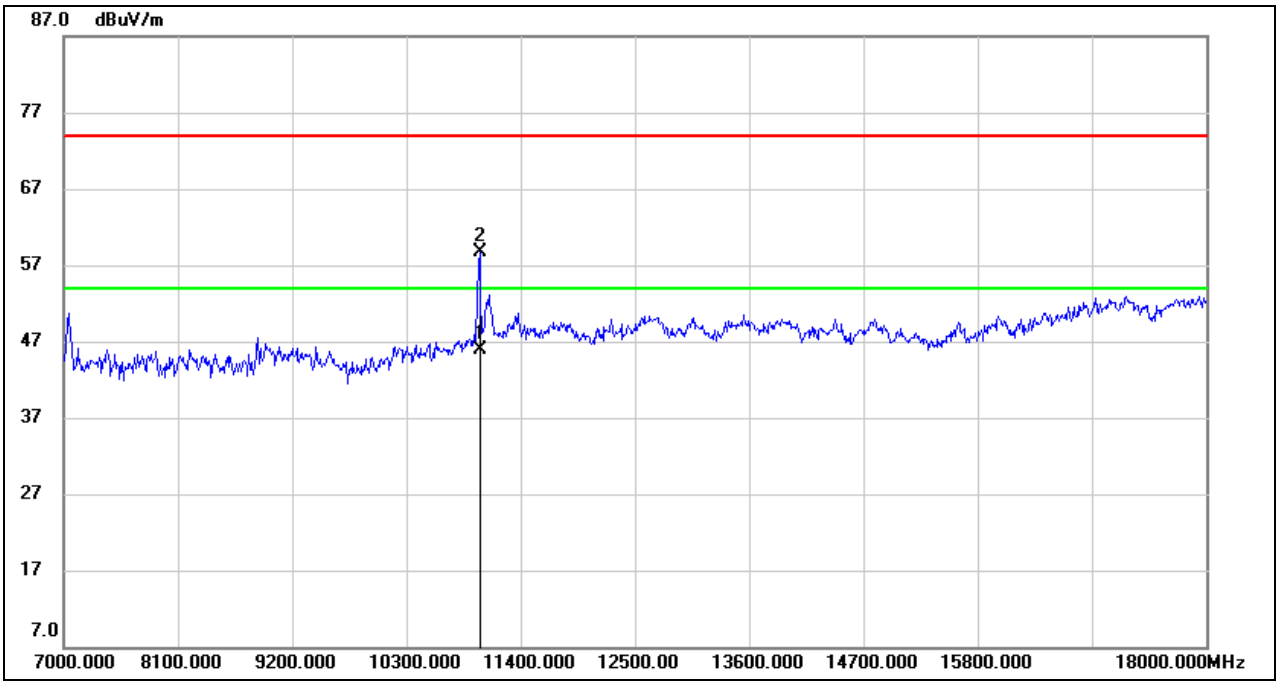
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

UNII-2C BAND

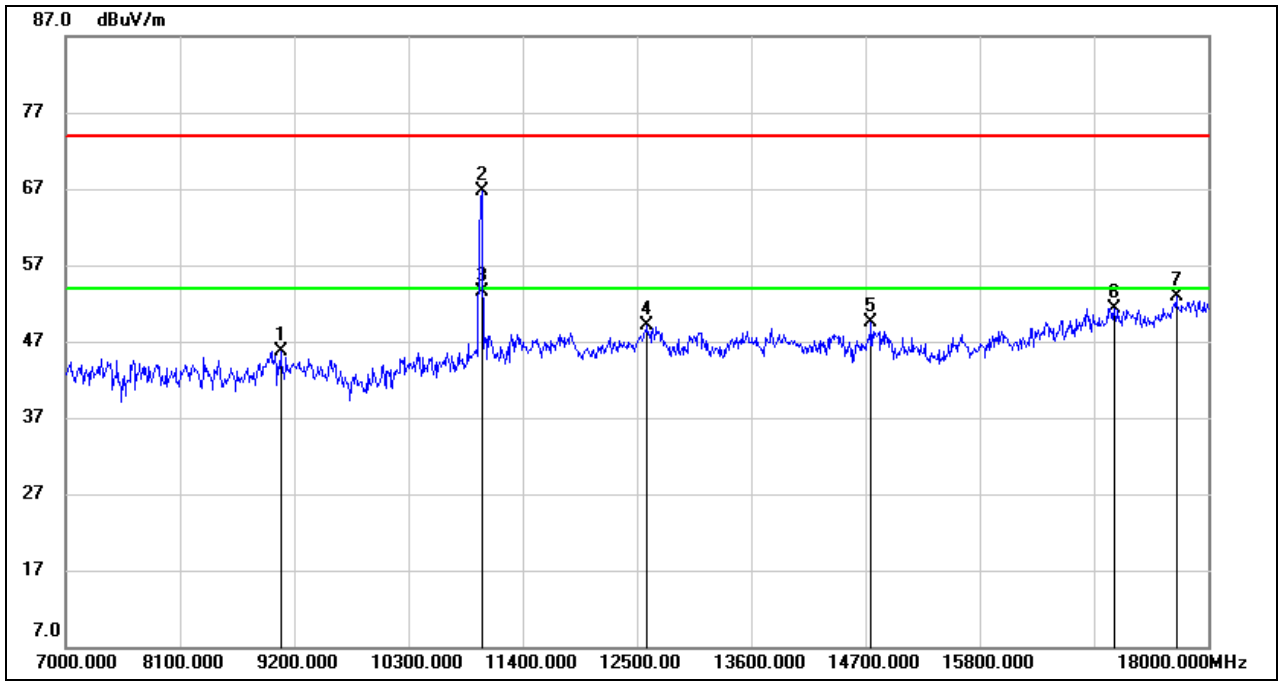
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10999.055	33.28	12.63	45.91	54.00	-8.09	AVG
2	11004.000	46.15	12.63	58.78	74.00	-15.22	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 the transmitting duration.
5. For the transmitting 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 High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	9068.000	35.94	9.82	45.76	74.00	-28.24	peak
2	11001.443	53.99	12.63	66.62	74.00	-7.38	peak
3	11001.443	40.90	12.63	53.53	54.00	-0.47	AVG
4	12599.000	33.91	15.16	49.07	74.00	-24.93	peak
5	14755.000	33.55	15.98	49.53	74.00	-24.47	peak
6	17098.000	30.33	21.07	51.40	74.00	-22.60	peak
7	17692.000	30.28	22.69	52.97	74.00	-21.03	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.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

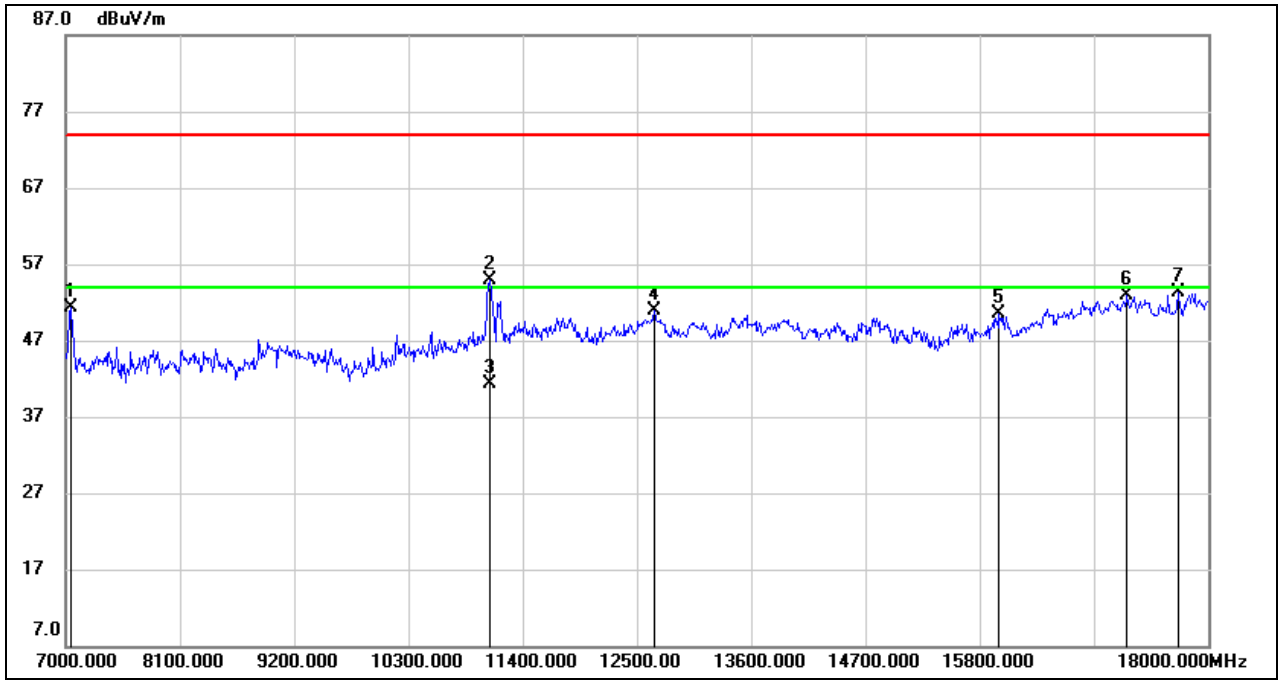
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7044.000	44.87	6.47	51.34	74.00	-22.66	peak
2	11081.000	42.02	12.79	54.81	74.00	-19.19	peak
3	11081.000	28.60	12.79	41.39	54.00	-12.61	AVG
4	12665.000	35.61	15.22	50.83	74.00	-23.17	peak
5	15987.000	32.77	17.68	50.45	74.00	-23.55	peak
6	17219.000	31.20	21.64	52.84	74.00	-21.16	peak
7	17714.000	30.42	22.85	53.27	74.00	-20.73	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 the transmitting duration.

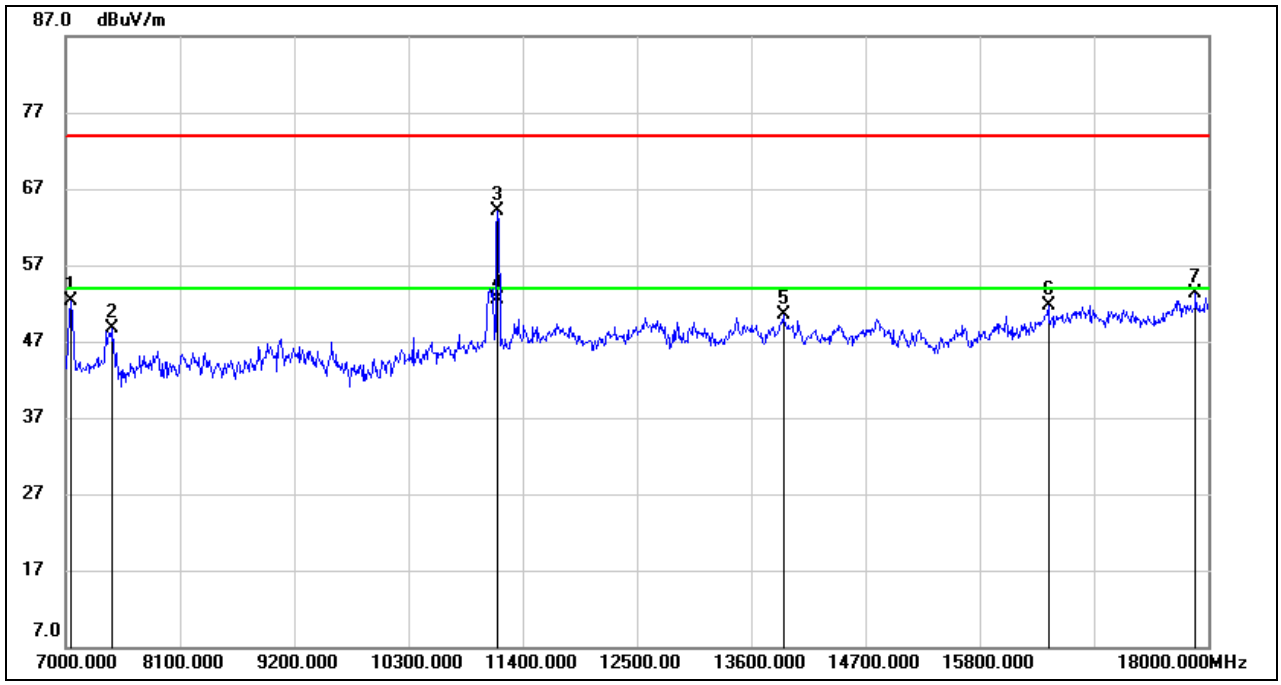
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7044.000	45.85	6.47	52.32	74.00	-21.68	peak
2	7440.000	41.31	7.31	48.62	74.00	-25.38	peak
3	11158.000	51.11	12.95	64.06	74.00	-9.94	peak
4	11158.000	39.55	12.95	52.50	54.00	-1.50	AVG
5	13908.000	34.28	16.26	50.54	74.00	-23.46	peak
6	16460.000	32.54	19.26	51.80	74.00	-22.20	peak
7	17879.000	29.70	23.57	53.27	74.00	-20.73	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 the transmitting duration.

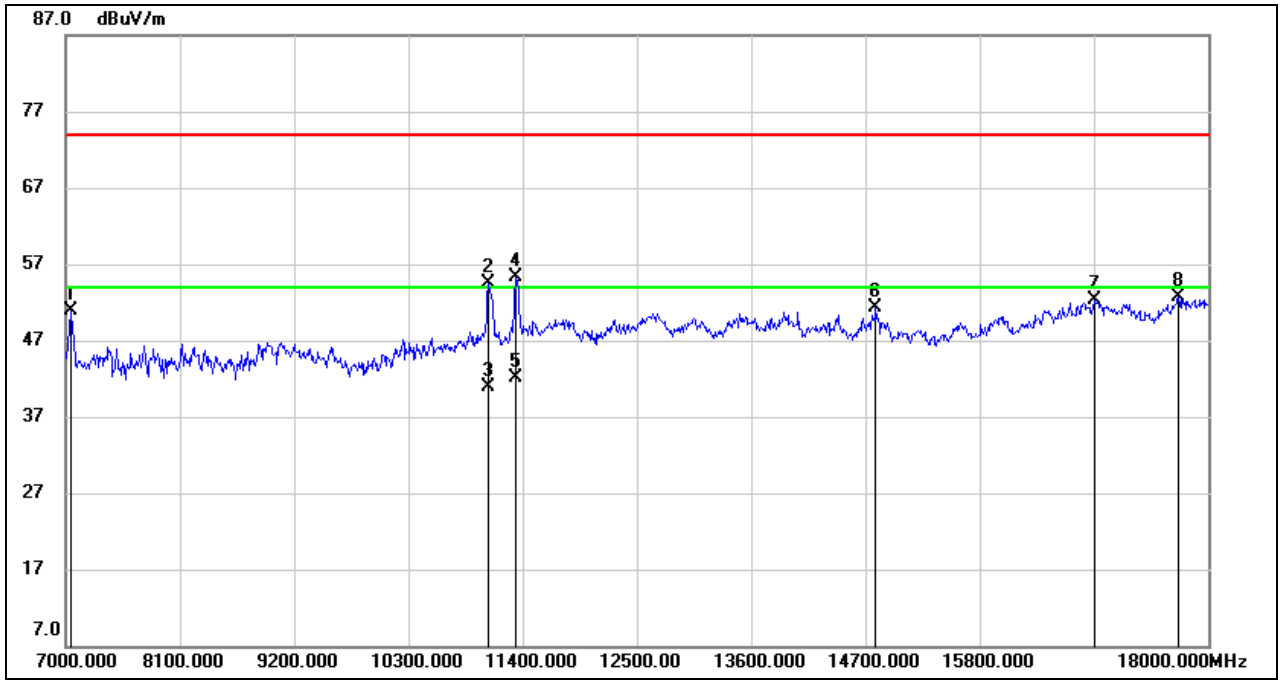
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7044.000	44.51	6.47	50.98	74.00	-23.02	peak
2	11070.000	41.77	12.78	54.55	74.00	-19.45	peak
3	11070.000	28.22	12.78	41.00	54.00	-13.00	AVG
4	11334.000	41.94	13.32	55.26	74.00	-18.74	peak
5	11334.000	28.84	13.32	42.16	54.00	-11.84	AVG
6	14799.000	35.18	16.03	51.21	74.00	-22.79	peak
7	16911.000	32.06	20.32	52.38	74.00	-21.62	peak
8	17714.000	29.87	22.85	52.72	74.00	-21.28	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 the transmitting duration.

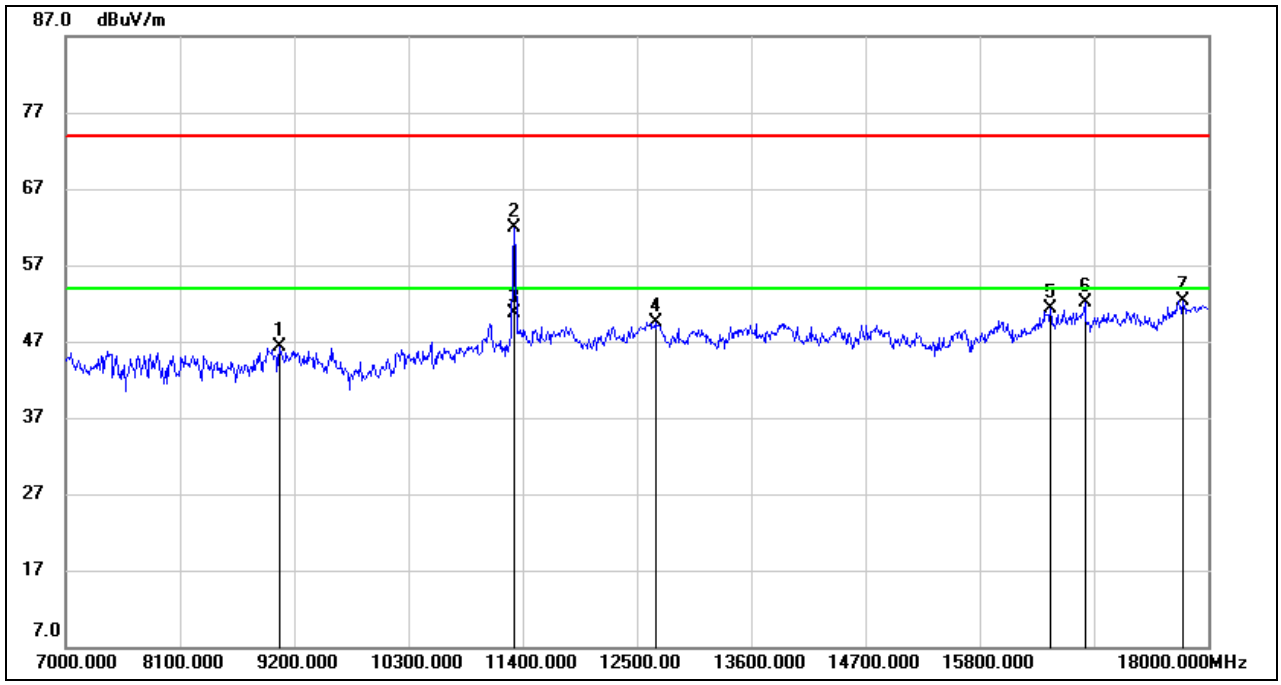
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	9057.000	36.41	9.89	46.30	74.00	-27.70	peak
2	11319.093	48.65	13.29	61.94	74.00	-12.06	peak
3	11319.093	37.33	13.29	50.62	54.00	-3.38	AVG
4	12676.000	34.26	15.23	49.49	74.00	-24.51	peak
5	16482.000	31.95	19.36	51.31	74.00	-22.69	peak
6	16812.000	31.96	20.14	52.10	74.00	-21.90	peak
7	17758.000	29.17	23.19	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

5. For the transmitting 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 High Pass Filter losses.

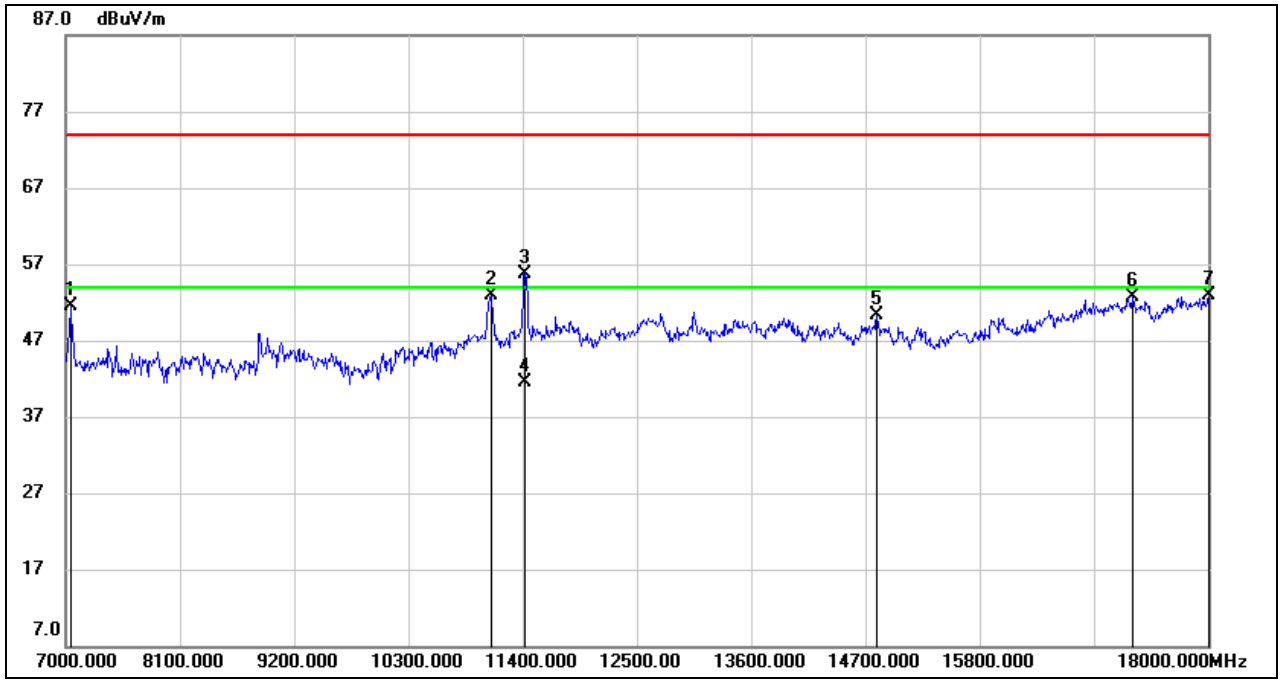
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

STRADDLE CHANNEL 142

ANTENNA 1 TEST RESULTS (WORST CASE)

HARMONICS AND SPURIOUS EMISSIONS (HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7044.000	45.12	6.47	51.59	74.00	-22.41	peak
2	11092.000	40.08	12.81	52.89	74.00	-21.11	peak
3	11420.900	42.32	13.48	55.80	74.00	-18.20	peak
4	11420.900	28.03	13.48	41.51	54.00	-12.49	AVG
5	14810.000	34.21	16.03	50.24	74.00	-23.76	peak
6	17274.000	31.18	21.49	52.67	74.00	-21.33	peak
7	18000.000	29.24	23.69	52.93	74.00	-21.07	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 the transmitting duration.

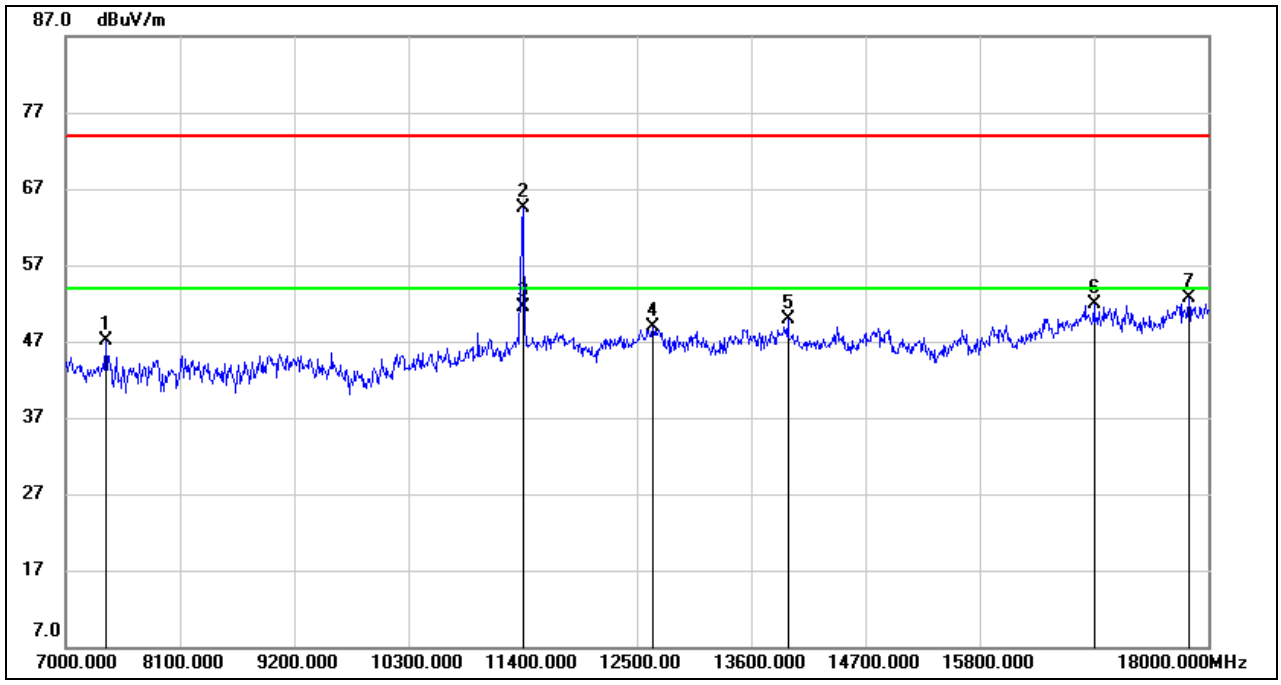
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

HARMONICS AND SPURIOUS EMISSIONS (VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7385.000	39.66	7.40	47.06	74.00	-26.94	peak
2	11401.099	51.01	13.45	64.46	74.00	-9.54	peak
3	11401.099	38.10	13.45	51.55	54.00	-2.45	AVG
4	12654.000	33.79	15.20	48.99	74.00	-25.01	peak
5	13952.000	33.70	16.19	49.89	74.00	-24.11	peak
6	16900.000	31.52	20.29	51.81	74.00	-22.19	peak
7	17813.000	29.12	23.50	52.62	74.00	-21.38	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 the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

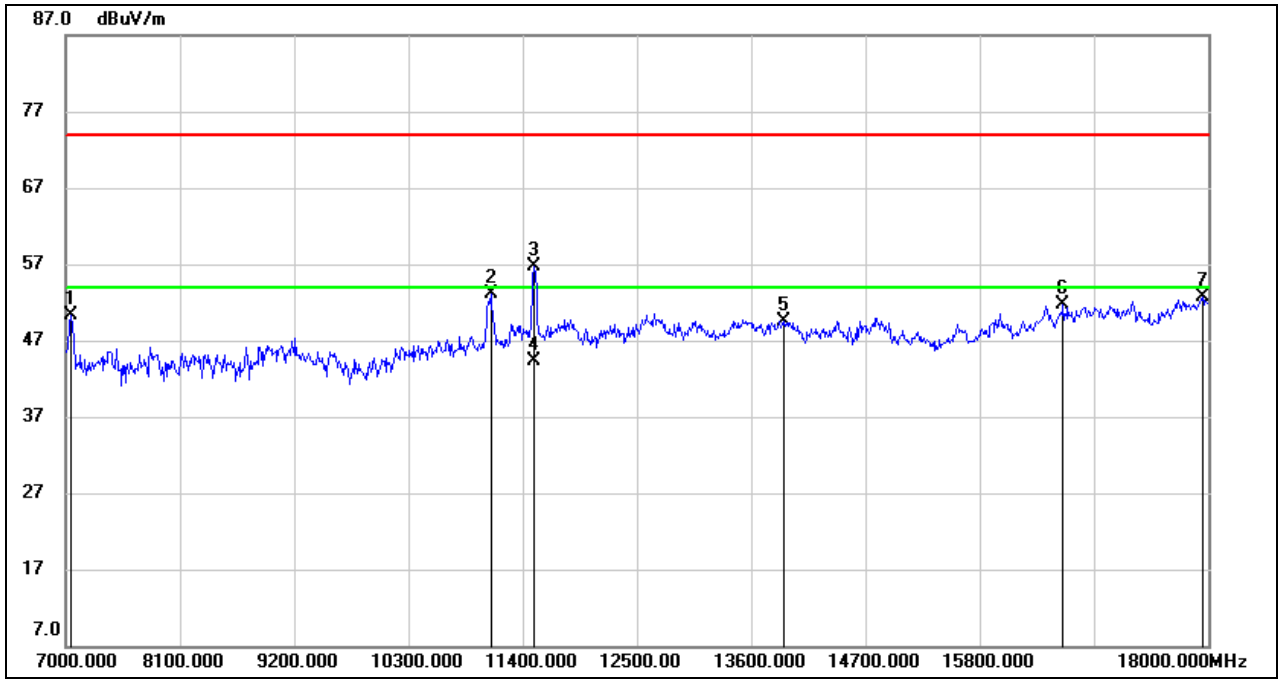
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

UNII-3 BAND

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	7044.000	43.90	6.47	50.37	74.00	-23.63	peak
2	11092.000	40.27	12.81	53.08	74.00	-20.92	peak
3	11504.210	43.18	13.58	56.76	74.00	-17.24	peak
4	11504.210	30.76	13.58	44.34	54.00	-9.66	AVG
5	13908.000	33.23	16.26	49.49	74.00	-24.51	peak
6	16603.000	31.81	19.95	51.76	74.00	-22.24	peak
7	17945.000	29.08	23.63	52.71	74.00	-21.29	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.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

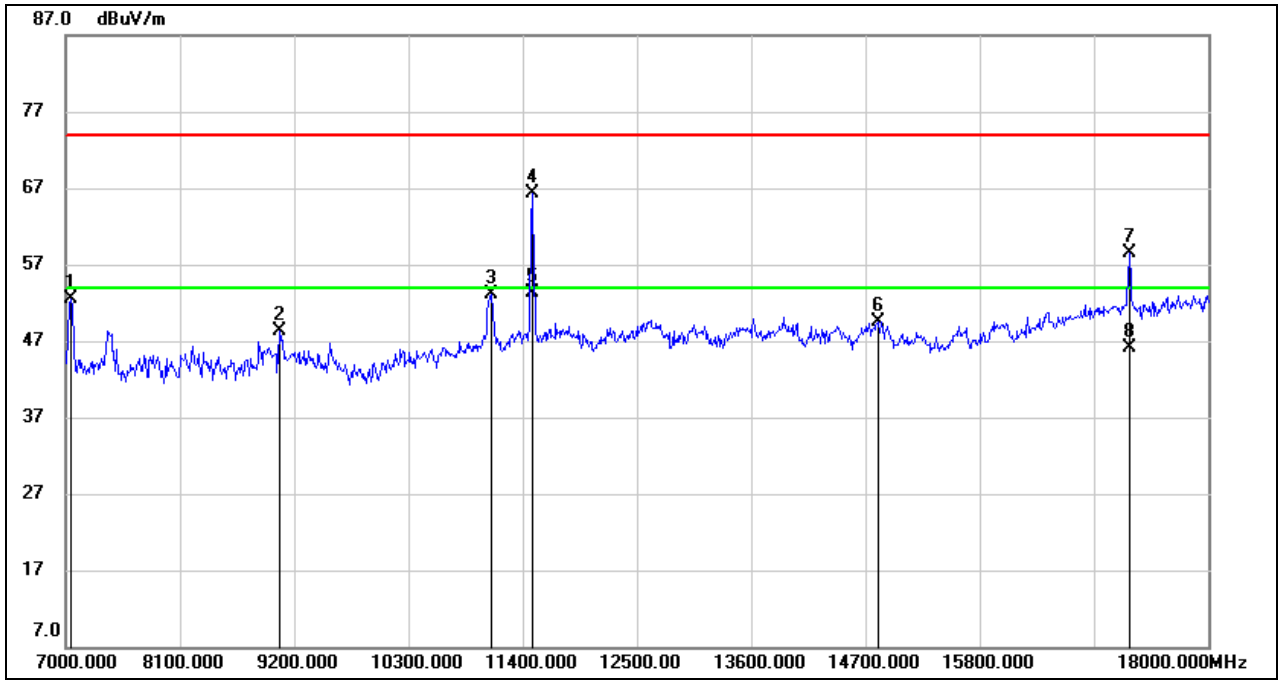
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7055.000	46.07	6.51	52.58	74.00	-21.42	peak
2	9057.000	38.37	9.89	48.26	74.00	-25.74	peak
3	11092.000	40.32	12.81	53.13	74.00	-20.87	peak
4	11491.200	52.68	13.56	66.24	74.00	-7.76	peak
5	11491.200	39.77	13.56	53.33	54.00	-0.67	AVG
6	14821.000	33.51	16.03	49.54	74.00	-24.46	peak
7	17235.590	36.92	21.60	58.52	74.00	-15.48	peak
8	17235.590	24.53	21.60	46.13	54.00	-7.87	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. Peak: Peak detector.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

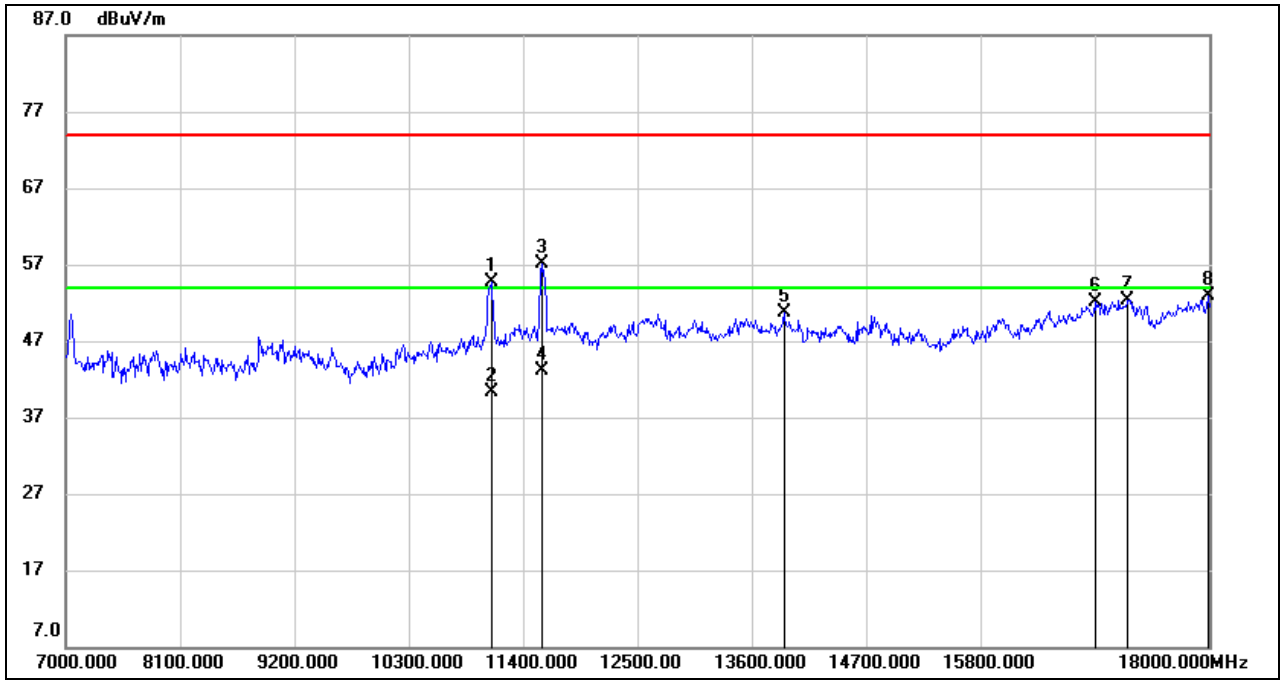
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	11092.000	41.81	12.81	54.62	74.00	-19.38	peak
2	11092.000	27.44	12.81	40.25	54.00	-13.75	AVG
3	11587.000	43.42	13.71	57.13	74.00	-16.87	peak
4	11587.000	29.49	13.71	43.20	54.00	-10.80	AVG
5	13908.000	34.49	16.26	50.75	74.00	-23.25	peak
6	16900.000	31.84	20.29	52.13	74.00	-21.87	peak
7	17219.000	30.74	21.64	52.38	74.00	-21.62	peak
8	17989.000	29.27	23.67	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

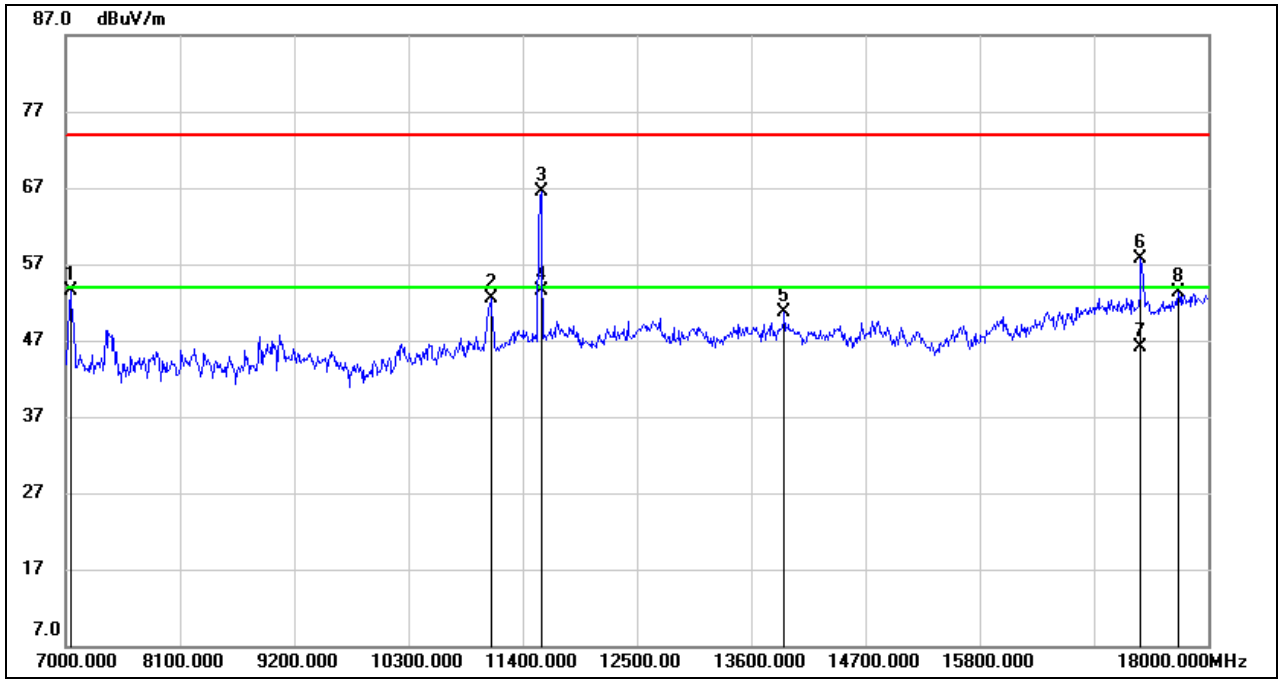
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7044.000	47.02	6.47	53.49	74.00	-20.51	peak
2	11092.000	39.77	12.81	52.58	74.00	-21.42	peak
3	11570.955	52.75	13.68	66.43	74.00	-7.57	peak
4	11570.955	39.85	13.68	53.53	54.00	-0.47	AVG
5	13919.000	34.43	16.24	50.67	74.00	-23.33	peak
6	17351.000	36.50	21.30	57.80	74.00	-16.20	peak
7	17351.000	24.82	21.30	46.12	54.00	-7.88	AVG
8	17714.000	30.44	22.85	53.29	74.00	-20.71	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 the transmitting duration.

5. For the transmitting 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 High Pass Filter losses.

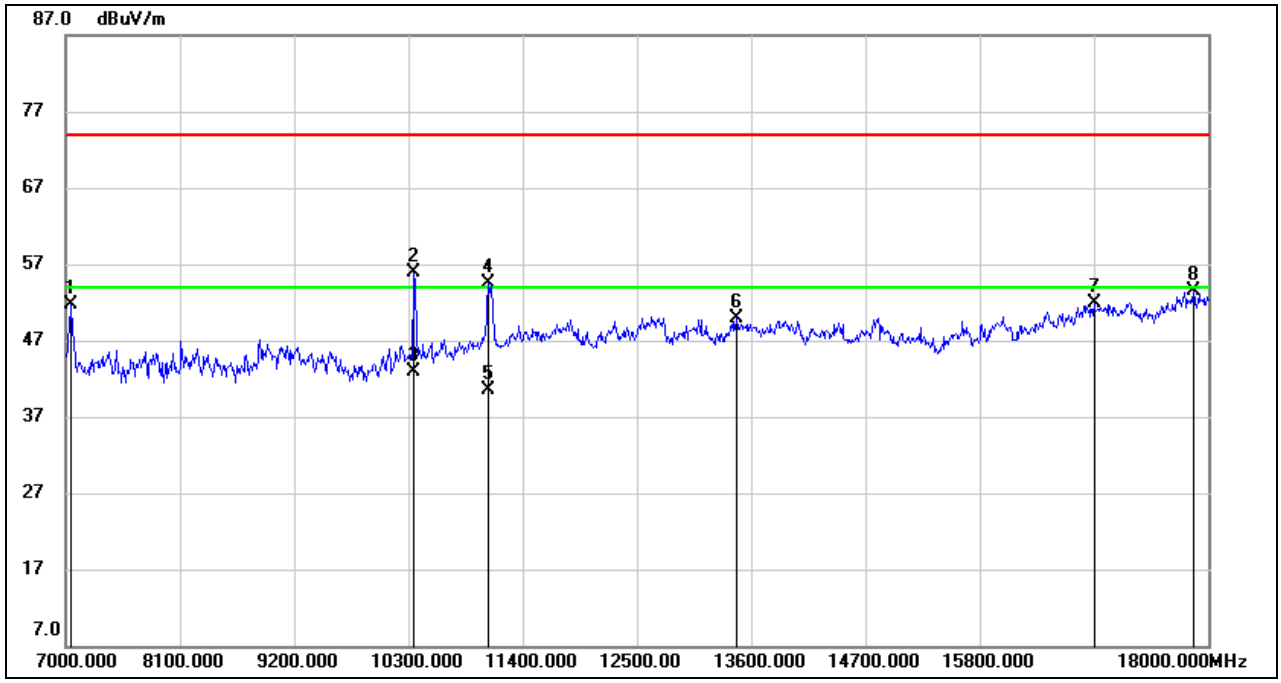
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

8.3.4. 802.11ac VHT80 MIMO MODE

UNII-1 BAND

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	7055.000	45.18	6.51	51.69	74.00	-22.31	peak
2	10356.319	44.92	10.94	55.86	74.00	-18.14	peak
3	10356.319	32.04	10.94	42.98	54.00	-11.02	AVG
4	11070.000	41.79	12.78	54.57	74.00	-19.43	peak
5	11070.000	27.75	12.78	40.53	54.00	-13.47	AVG
6	13457.000	33.91	15.96	49.87	74.00	-24.13	peak
7	16900.000	31.54	20.29	51.83	74.00	-22.17	peak
8	17857.000	29.91	23.55	53.46	74.00	-20.54	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.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

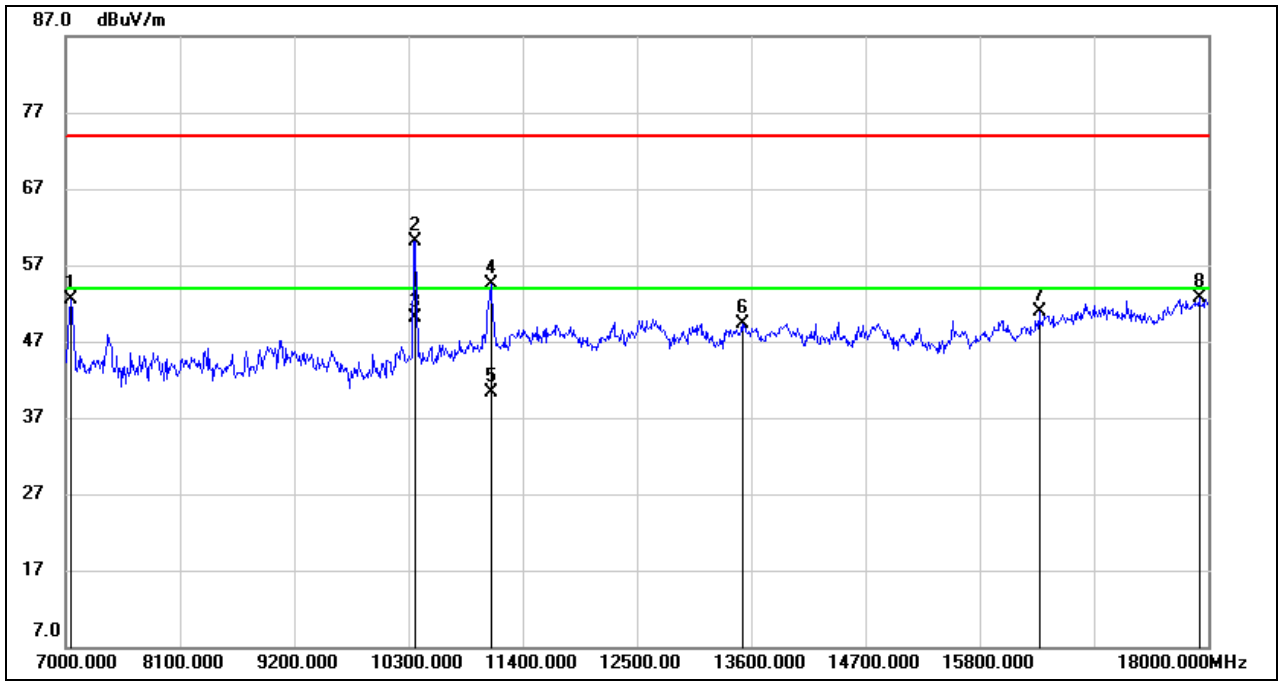
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7044.000	45.99	6.47	52.46	74.00	-21.54	peak
2	10358.787	49.07	10.95	60.02	74.00	-13.98	peak
3	10358.787	39.13	10.95	50.08	54.00	-3.92	AVG
4	11092.000	41.72	12.81	54.53	74.00	-19.47	peak
5	11092.000	27.49	12.81	40.30	54.00	-13.70	AVG
6	13512.000	33.41	15.94	49.35	74.00	-24.65	peak
7	16372.000	32.06	18.84	50.90	74.00	-23.10	peak
8	17912.000	29.02	23.61	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.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

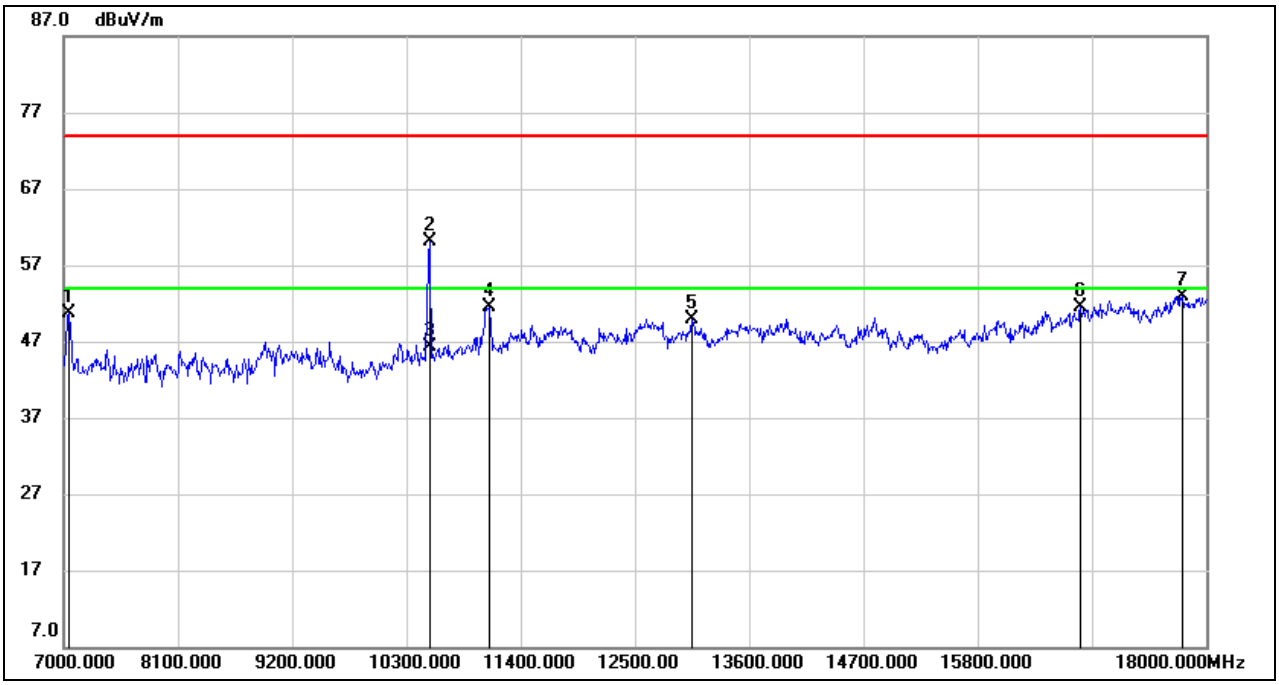
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

UNII-2A BAND

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	7044.000	44.23	6.47	50.70	74.00	-23.30	peak
2	10517.922	48.46	11.59	60.05	74.00	-13.95	peak
3	10517.922	34.74	11.59	46.33	54.00	-7.67	AVG
4	11092.000	38.74	12.81	51.55	74.00	-22.45	peak
5	13050.000	34.34	15.55	49.89	74.00	-24.11	peak
6	16790.000	31.31	20.11	51.42	74.00	-22.58	peak
7	17769.000	29.62	23.26	52.88	74.00	-21.12	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

5. For the transmitting 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 High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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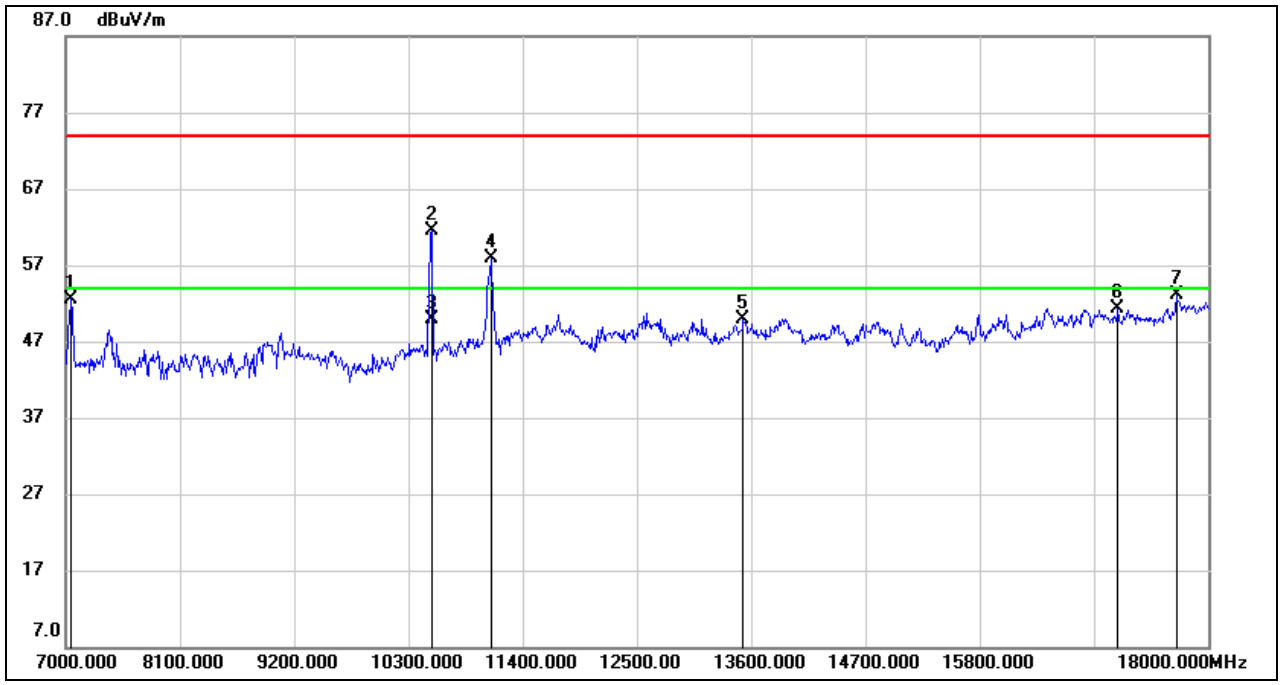
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7055.000	46.09	6.51	52.60	74.00	-21.40	peak
2	10520.000	49.91	11.60	61.51	74.00	-12.49	peak
3	10520.000	38.27	11.60	49.87	54.00	-4.13	AVG
4	11092.000	45.06	12.81	57.87	74.00	-16.13	peak
5	13523.000	34.02	15.93	49.95	74.00	-24.05	peak
6	17131.000	30.03	21.27	51.30	74.00	-22.70	peak
7	17692.000	30.41	22.69	53.10	74.00	-20.90	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 the transmitting duration.

5. For the transmitting 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 High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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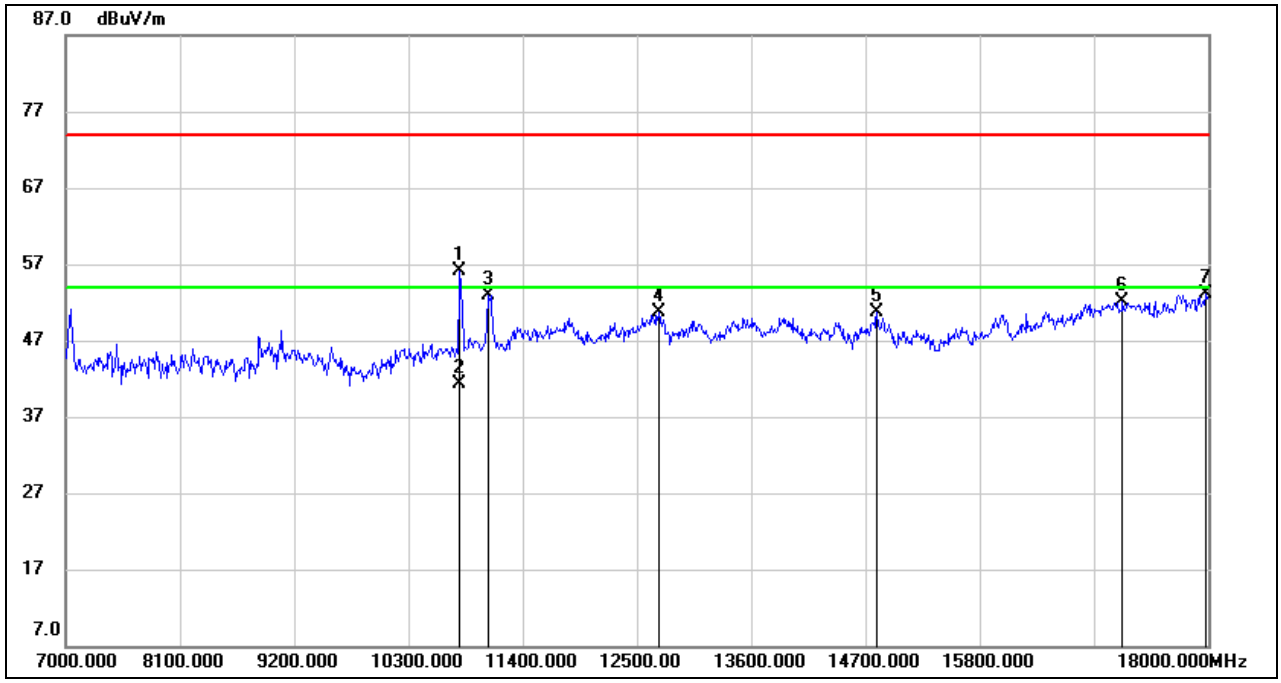
UNII-2C BAND

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	10796.738	43.93	12.17	56.10	74.00	-17.90	peak
2	10796.738	29.08	12.17	41.25	54.00	-12.75	AVG
3	11070.000	40.17	12.78	52.95	74.00	-21.05	peak
4	12709.000	35.43	15.26	50.69	74.00	-23.31	peak
5	14810.000	34.69	16.03	50.72	74.00	-23.28	peak
6	17175.000	30.48	21.53	52.01	74.00	-21.99	peak
7	17978.000	29.41	23.67	53.08	74.00	-20.92	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 the transmitting duration.

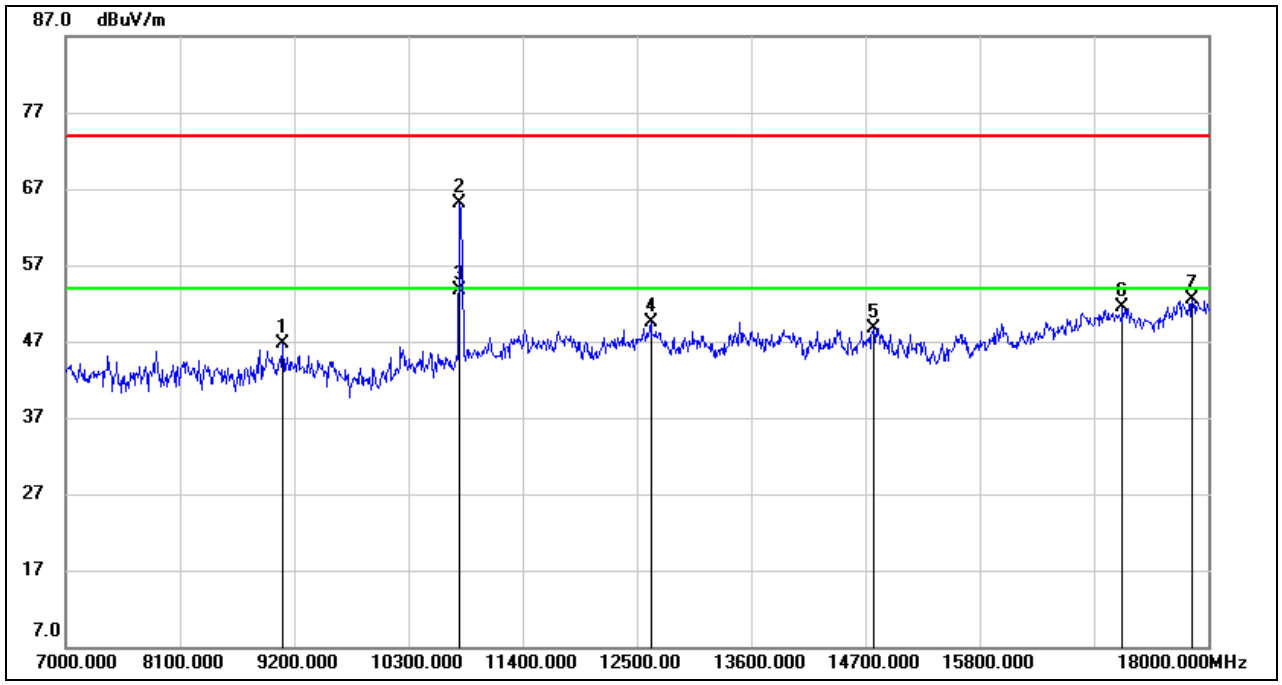
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	9090.000	36.96	9.69	46.65	74.00	-27.35	peak
2	10798.400	52.85	12.17	65.02	74.00	-8.98	peak
3	10798.400	41.59	12.17	53.76	54.00	-0.24	AVG
4	12632.000	34.37	15.19	49.56	74.00	-24.44	peak
5	14777.000	32.73	16.00	48.73	74.00	-25.27	peak
6	17175.000	29.93	21.53	51.46	74.00	-22.54	peak
7	17846.000	29.05	23.54	52.59	74.00	-21.41	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.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

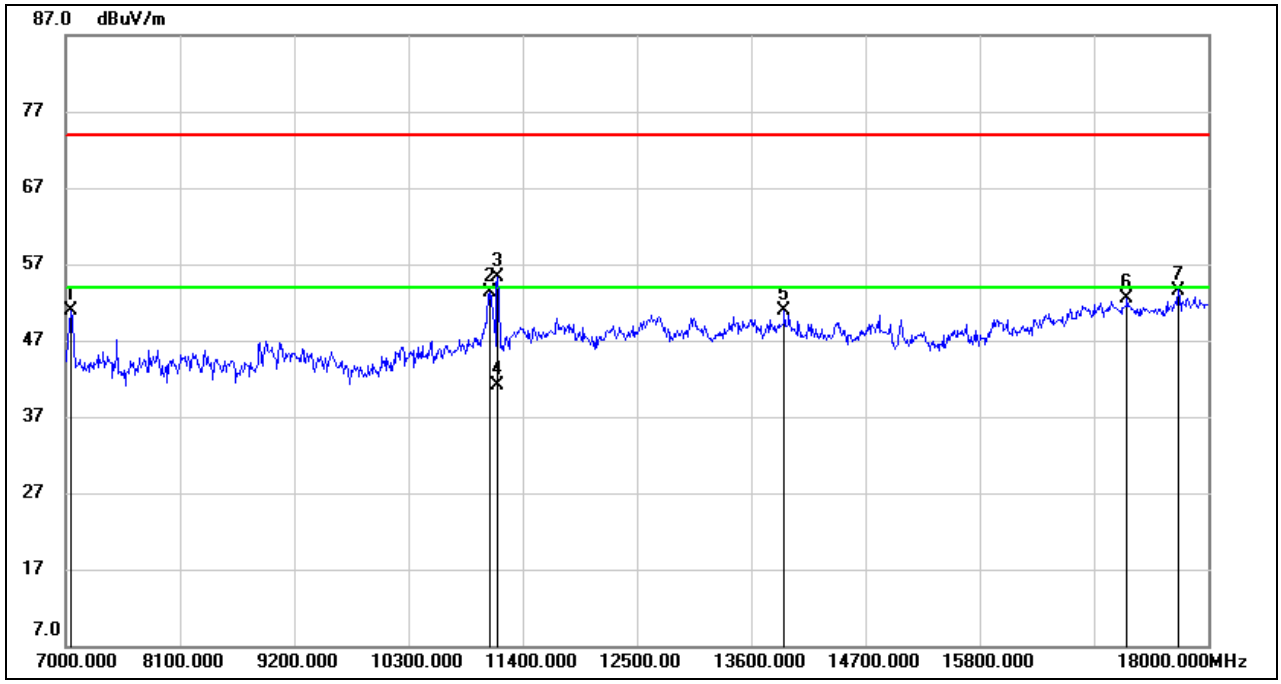
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7044.000	44.44	6.47	50.91	74.00	-23.09	peak
2	11081.000	40.47	12.79	53.26	74.00	-20.74	peak
3	11163.135	42.38	12.96	55.34	74.00	-18.66	peak
4	11163.135	28.14	12.96	41.10	54.00	-12.90	AVG
5	13919.000	34.75	16.24	50.99	74.00	-23.01	peak
6	17219.000	30.88	21.64	52.52	74.00	-21.48	peak
7	17714.000	30.75	22.85	53.60	74.00	-20.40	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. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

5. For the transmitting 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 High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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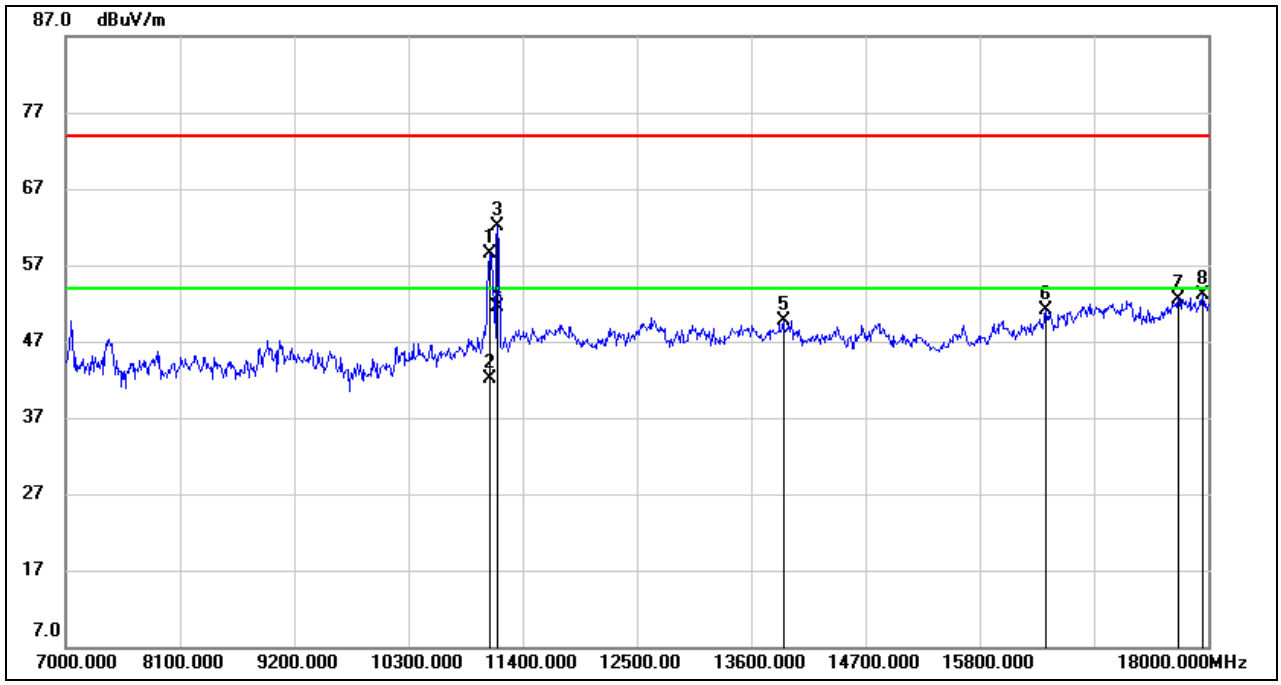
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11081.000	45.75	12.79	58.54	74.00	-15.46	peak
2	11081.000	29.22	12.79	42.01	54.00	-11.99	AVG
3	11161.300	49.21	12.96	62.17	74.00	-11.83	peak
4	11161.300	38.58	12.96	51.54	54.00	-2.46	AVG
5	13908.000	33.48	16.26	49.74	74.00	-24.26	peak
6	16438.000	31.89	19.14	51.03	74.00	-22.97	peak
7	17714.000	29.75	22.85	52.60	74.00	-21.40	peak
8	17945.000	29.40	23.63	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 the transmitting duration.

5. For the transmitting 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 High Pass Filter losses.

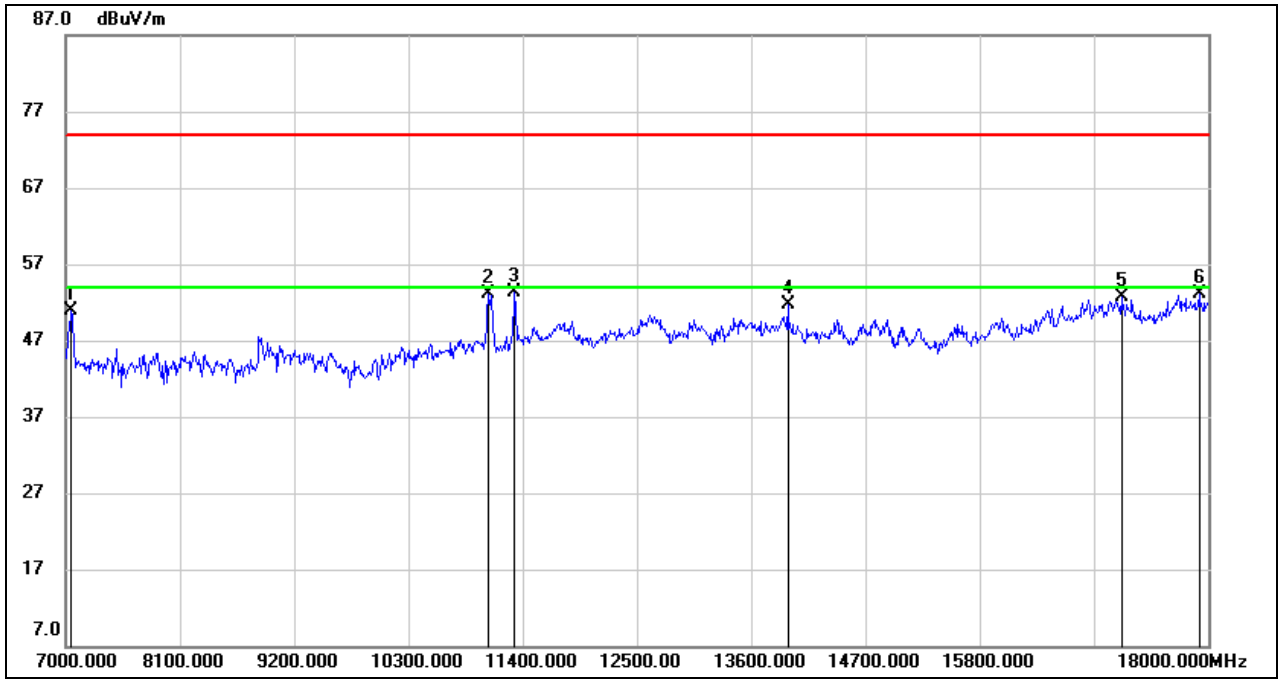
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

STRADDLE CHANNEL 138

ANTENNA 1 TEST RESULTS (WORST CASE)

HARMONICS AND SPURIOUS EMISSIONS (HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7055.000	44.38	6.51	50.89	74.00	-23.11	peak
2	11070.000	40.31	12.78	53.09	74.00	-20.91	peak
3	11323.000	39.93	13.30	53.23	74.00	-20.77	peak
4	13952.000	35.46	16.19	51.65	74.00	-22.35	peak
5	17164.000	31.26	21.47	52.73	74.00	-21.27	peak
6	17912.000	29.54	23.61	53.15	74.00	-20.85	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.

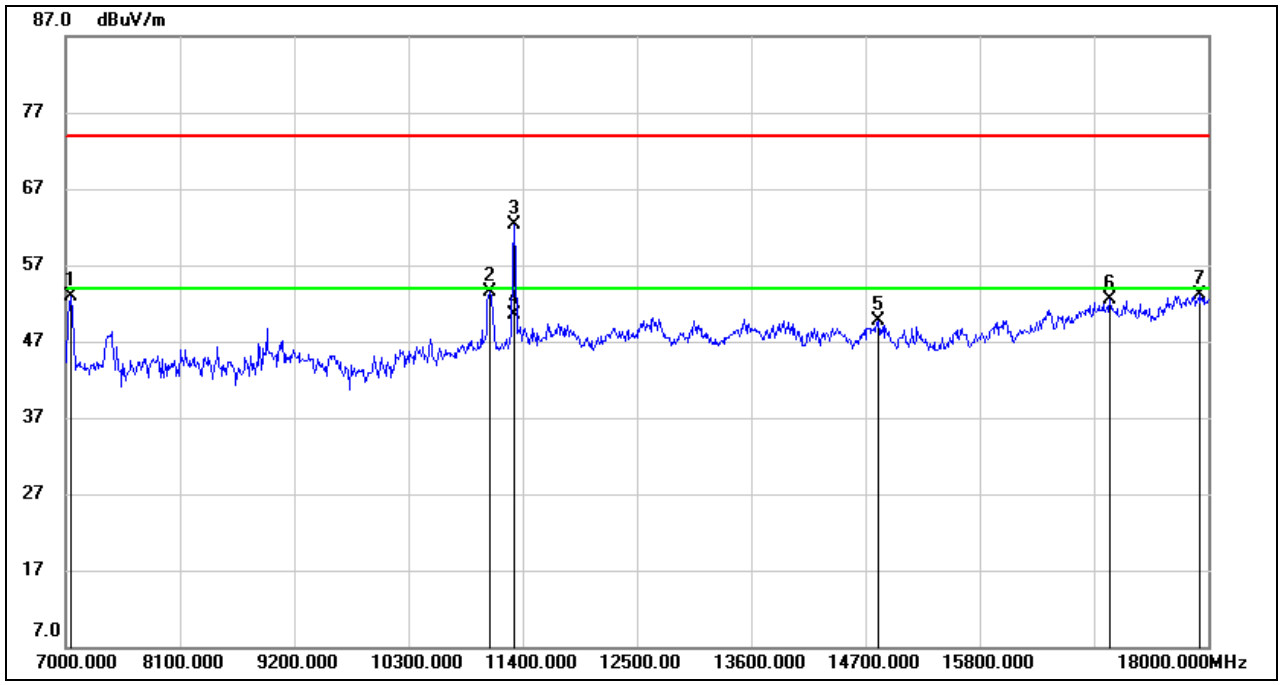
3. Peak: Peak detector.

4. 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.

6. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

HARMONICS AND SPURIOUS EMISSIONS (VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7044.000	46.39	6.47	52.86	74.00	-21.14	peak
2	11081.000	40.71	12.79	53.50	74.00	-20.50	peak
3	11319.942	48.98	13.29	62.27	74.00	-11.73	peak
4	11319.942	37.15	13.29	50.44	54.00	-3.56	AVG
5	14821.000	33.60	16.03	49.63	74.00	-24.37	peak
6	17054.000	31.62	20.79	52.41	74.00	-21.59	peak
7	17912.000	29.45	23.61	53.06	74.00	-20.94	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 the transmitting duration.

5. For the transmitting duration, please refer to clause 7.1.

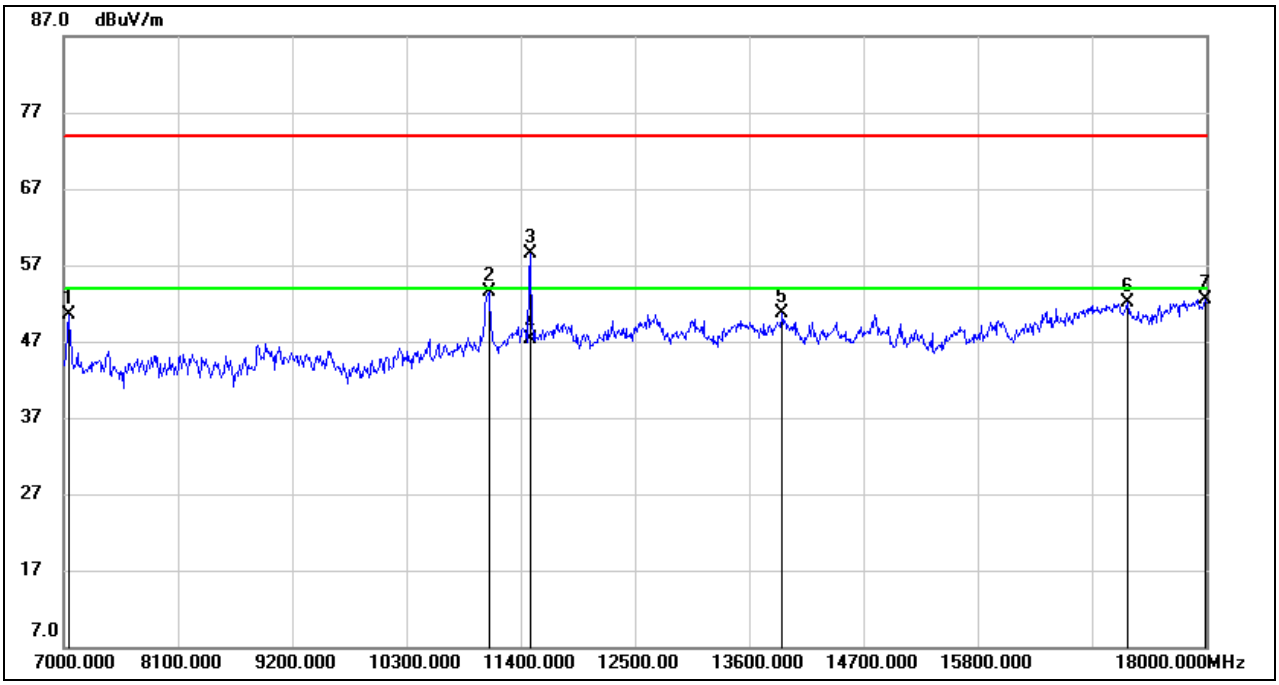
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

UNII-3 BAND

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	7044.000	44.01	6.47	50.48	74.00	-23.52	peak
2	11092.000	40.78	12.81	53.59	74.00	-20.41	peak
3	11492.600	45.03	13.56	58.59	74.00	-15.41	peak
4	11492.600	33.70	13.56	47.26	54.00	-6.74	AVG
5	13919.000	34.51	16.24	50.75	74.00	-23.25	peak
6	17241.000	30.47	21.58	52.05	74.00	-21.95	peak
7	17989.000	28.92	23.67	52.59	74.00	-21.41	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.

4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.

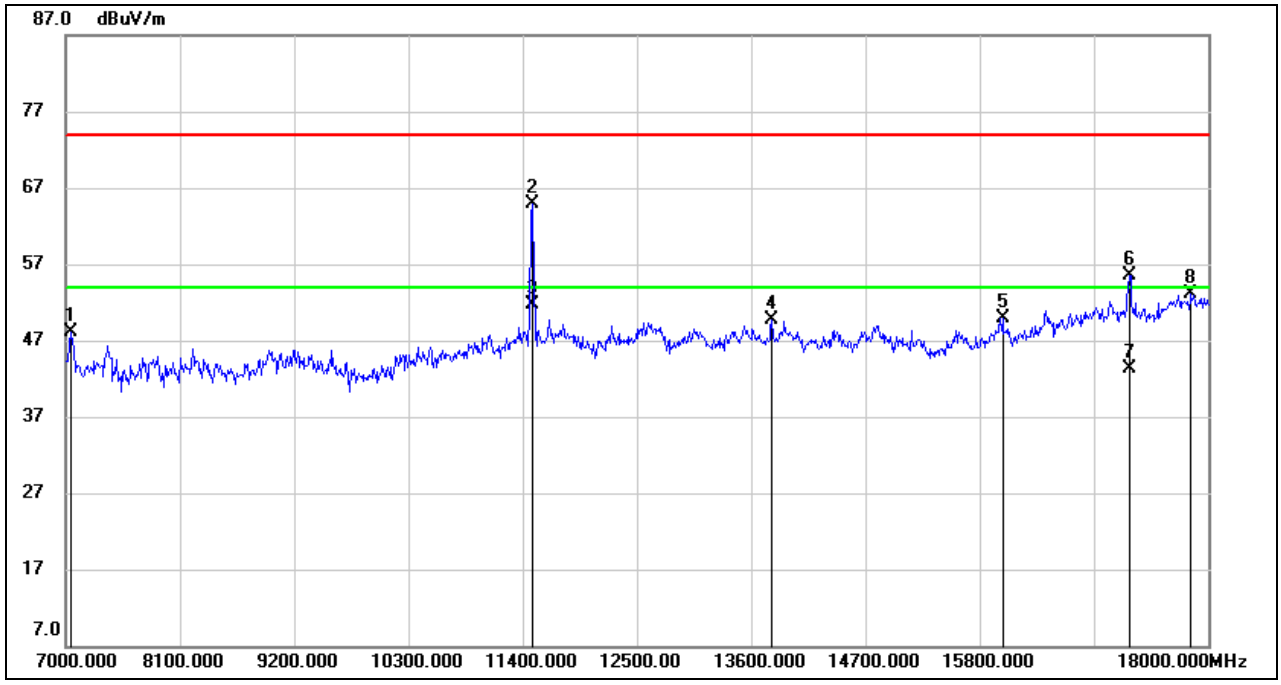
5. For the transmitting duration, please refer to clause 7.1.

6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

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	7044.000	41.59	6.47	48.06	74.00	-25.94	peak
2	11489.848	51.27	13.56	64.83	74.00	-9.17	peak
3	11489.848	38.12	13.56	51.68	54.00	-2.32	AVG
4	13798.000	33.33	16.44	49.77	74.00	-24.23	peak
5	16020.000	32.08	17.77	49.85	74.00	-24.15	peak
6	17232.520	33.91	21.61	55.52	74.00	-18.48	peak
7	17232.520	21.77	21.61	43.38	54.00	-10.62	AVG
8	17835.000	29.58	23.52	53.10	74.00	-20.90	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 the transmitting duration.

5. For the transmitting 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 High Pass Filter losses.

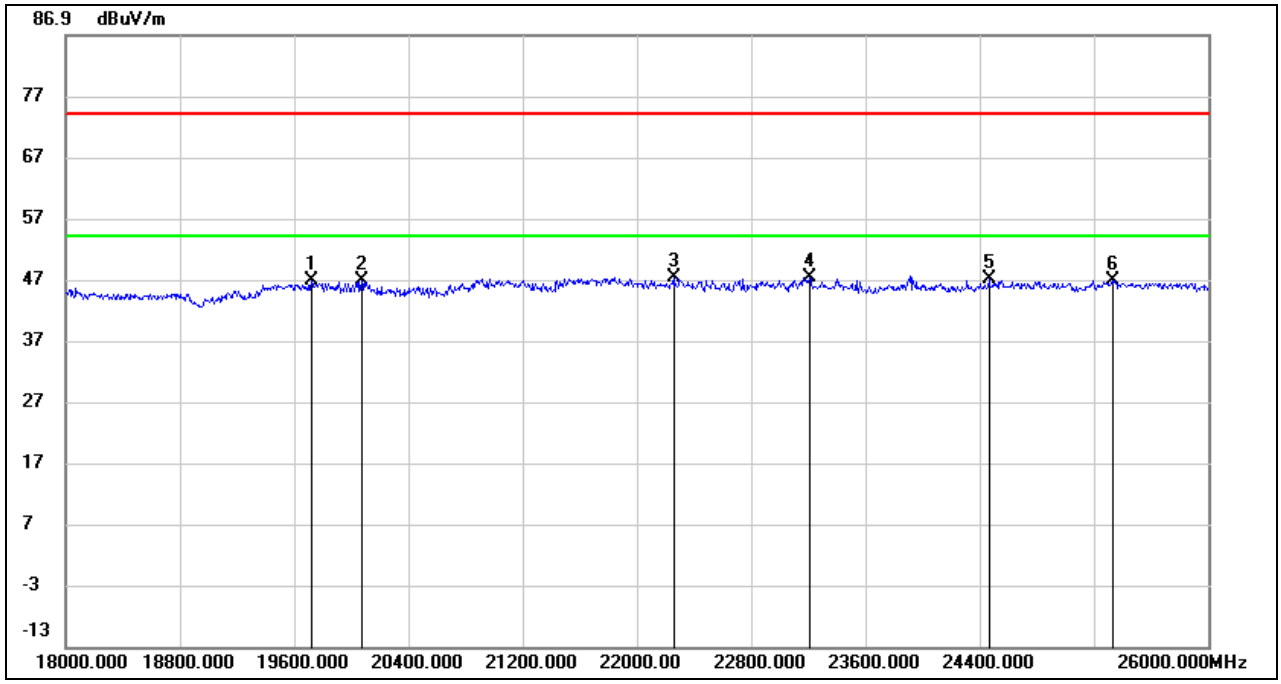
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8. Owing to the highest peak level of unwanted emission out of the restricted bands complies with the lowest limit(54dBuV/m), so all the test point was deemed to comply with the limits list in the standard.

8.4. SPURIOUS EMISSIONS (18 GHz ~ 26 GHz)

8.4.1. 802.11a SISO MODE

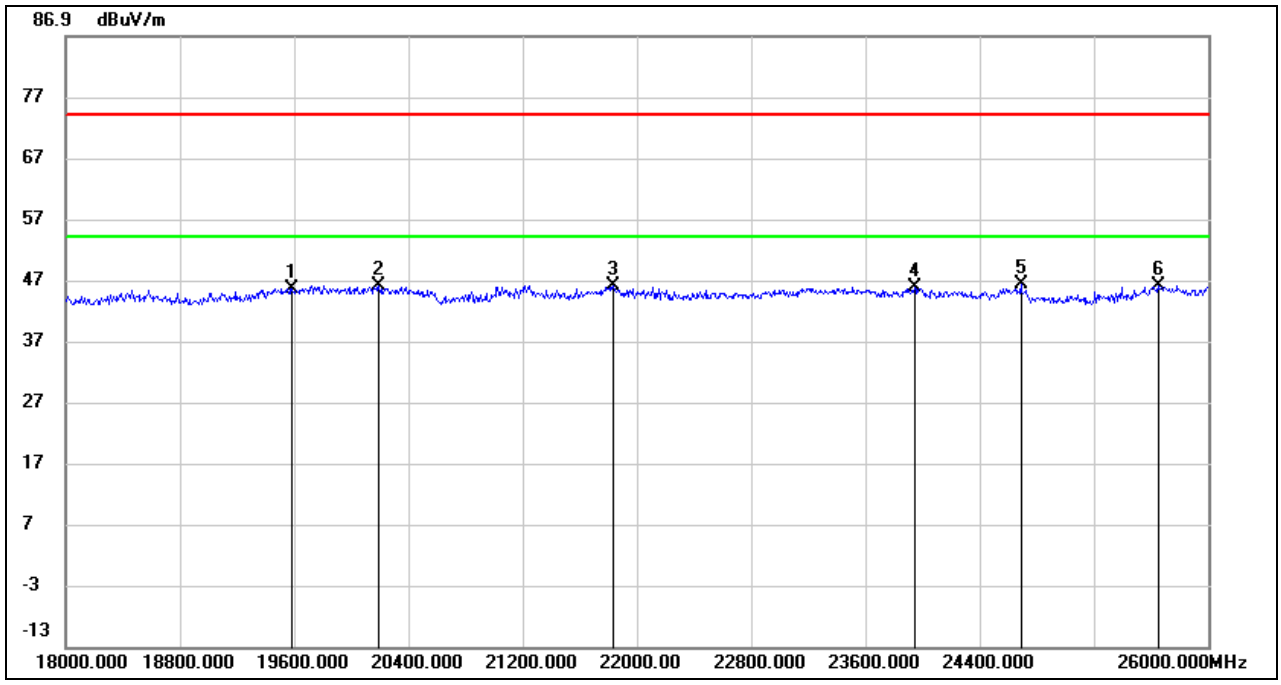
SPURIOUS EMISSIONS (UNII-2A BAND LOW CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19720.000	51.08	-4.39	46.69	74.00	-27.31	peak
2	20072.000	51.34	-4.51	46.83	74.00	-27.17	peak
3	22256.000	53.45	-6.06	47.39	74.00	-26.61	peak
4	23208.000	52.58	-5.32	47.26	74.00	-26.74	peak
5	24464.000	49.78	-2.74	47.04	74.00	-26.96	peak
6	25328.000	48.26	-1.38	46.88	74.00	-27.12	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.

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



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19584.000	50.26	-4.64	45.62	74.00	-28.38	peak
2	20192.000	50.87	-4.76	46.11	74.00	-27.89	peak
3	21832.000	52.03	-5.92	46.11	74.00	-27.89	peak
4	23944.000	49.95	-4.14	45.81	74.00	-28.19	peak
5	24688.000	48.39	-2.11	46.28	74.00	-27.72	peak
6	25648.000	47.62	-1.53	46.09	74.00	-27.91	peak

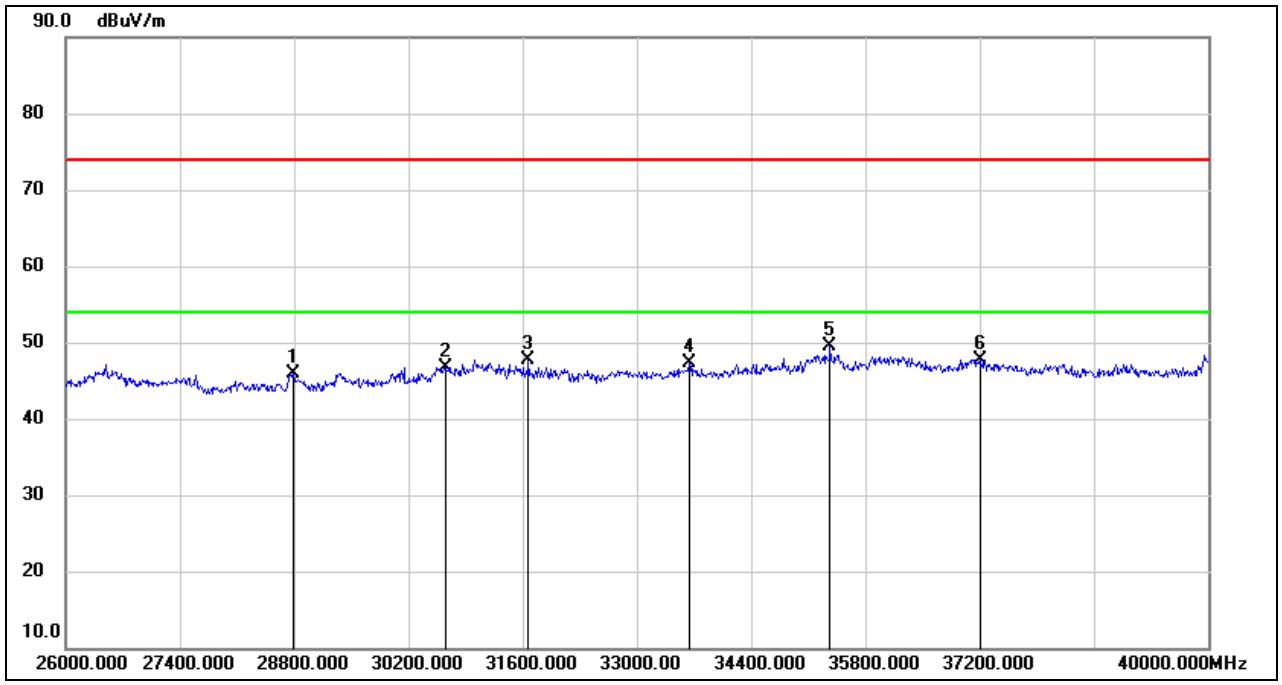
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

8.5. SPURIOUS EMISSIONS (26 GHz ~ 40 GHz)

8.5.1. 802.11a SISO MODE

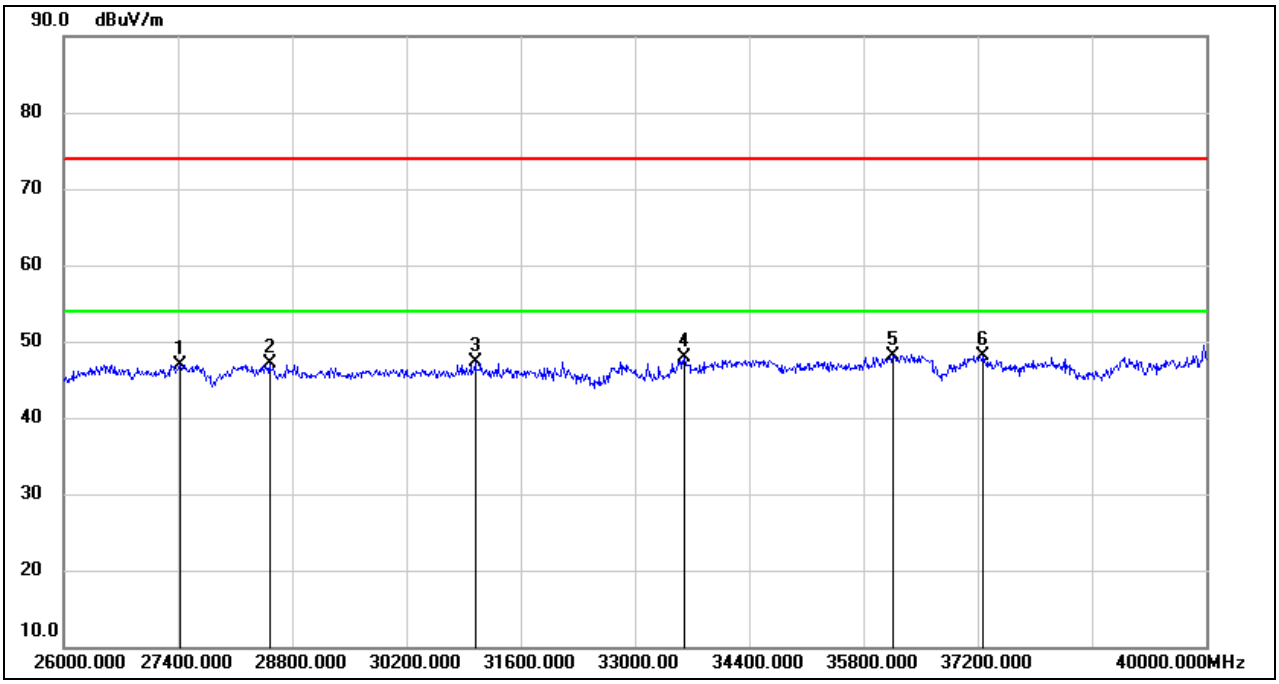
SPURIOUS EMISSIONS (UNII-2A BAND LOW CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	28786.000	46.49	-0.64	45.85	74.00	-28.15	peak
2	30662.000	47.87	-1.08	46.79	74.00	-27.21	peak
3	31670.000	48.86	-1.21	47.65	74.00	-26.35	peak
4	33644.000	46.81	0.42	47.23	74.00	-26.77	peak
5	35366.000	46.90	2.59	49.49	74.00	-24.51	peak
6	37214.000	44.64	3.15	47.79	74.00	-26.21	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 (LOW CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	27428.000	50.57	-3.68	46.89	74.00	-27.11	peak
2	28520.000	49.56	-2.54	47.02	74.00	-26.98	peak
3	31040.000	47.95	-0.72	47.23	74.00	-26.77	peak
4	33602.000	47.51	0.46	47.97	74.00	-26.03	peak
5	36164.000	44.56	3.52	48.08	74.00	-25.92	peak
6	37270.000	45.06	3.14	48.20	74.00	-25.80	peak

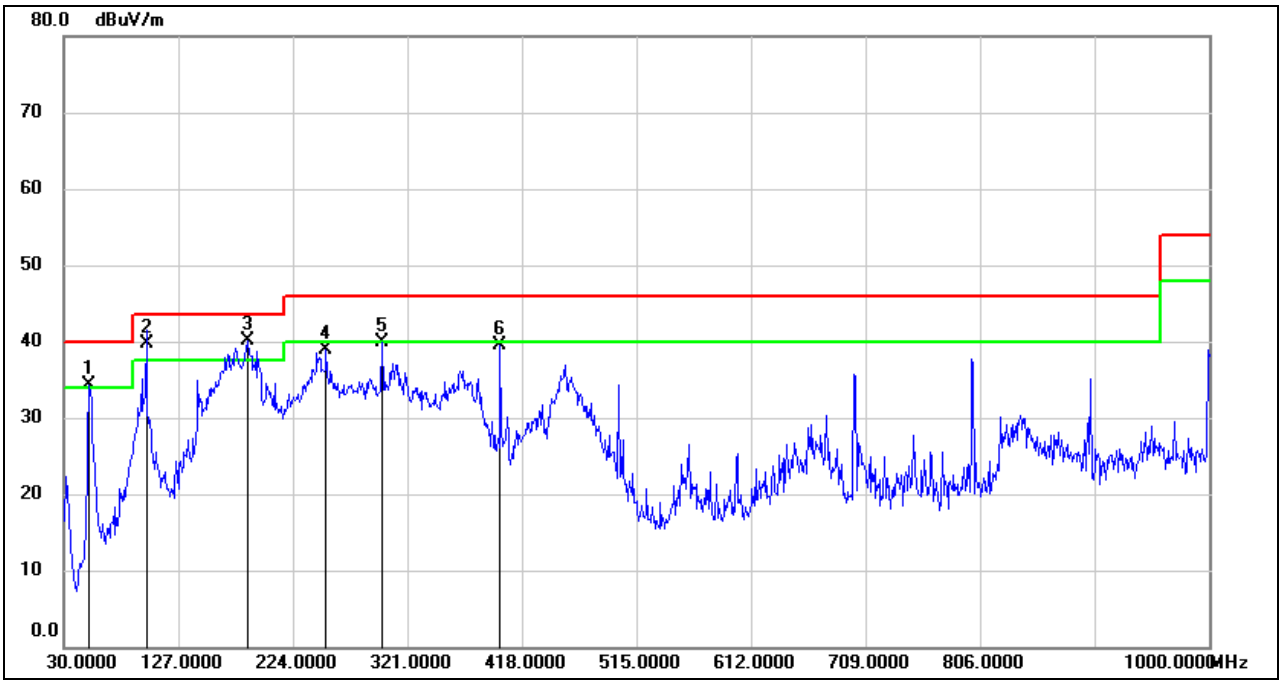
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

8.6. SPURIOUS EMISSIONS (30 MHz ~ 1 GHz)

8.6.1. 802.11a SISO MODE

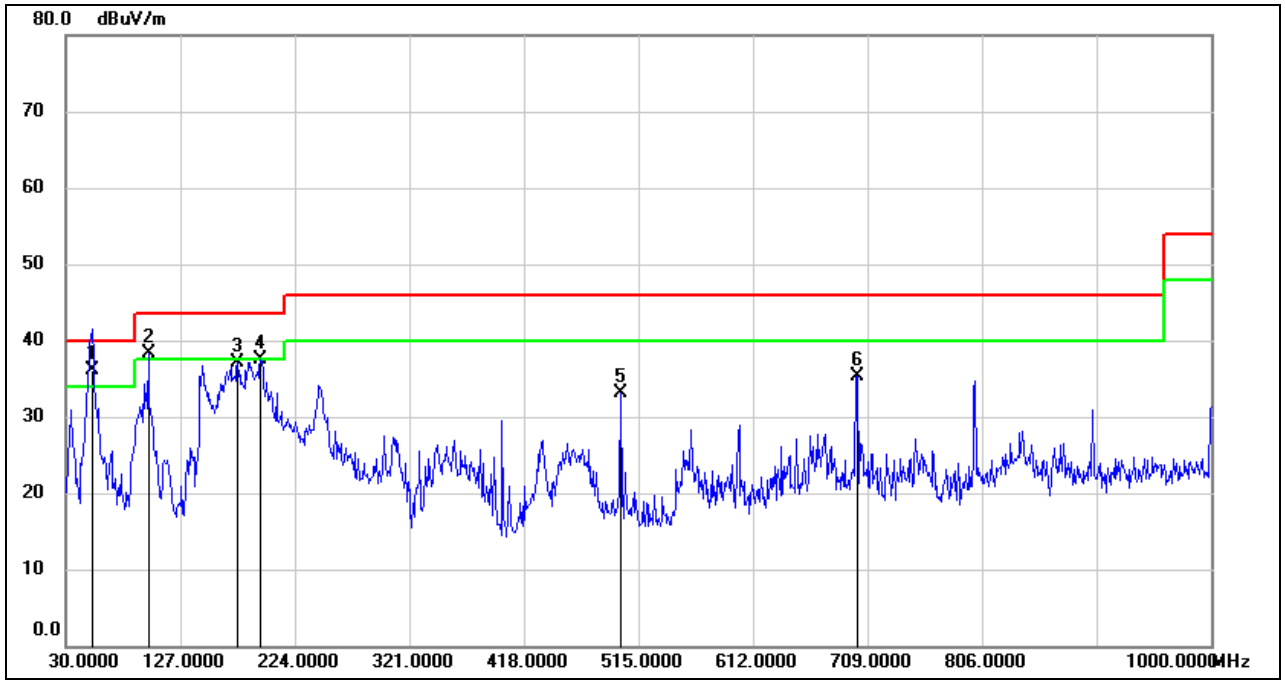
SPURIOUS EMISSIONS (UNII-2A BAND LOW CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	51.3400	52.69	-18.46	34.23	40.00	-5.77	QP
2	99.8399	61.33	-21.72	39.61	43.50	-3.89	QP
3	186.1700	56.26	-16.24	40.02	43.50	-3.48	QP
4	252.1300	55.29	-16.30	38.99	46.00	-7.01	QP
5	299.6600	54.33	-14.39	39.94	46.00	-6.06	QP
6	399.5700	52.22	-12.81	39.41	46.00	-6.59	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 (UNII-2A BAND LOW CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	52.3100	54.62	-18.56	36.06	40.00	-3.94	QP
2	99.8399	59.95	-21.72	38.23	43.50	-5.27	QP
3	175.5000	53.91	-16.83	37.08	43.50	-6.42	QP
4	194.9000	53.54	-15.99	37.55	43.50	-5.95	QP
5	499.4800	44.09	-10.93	33.16	46.00	-12.84	QP
6	700.2700	42.22	-6.90	35.32	46.00	-10.68	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

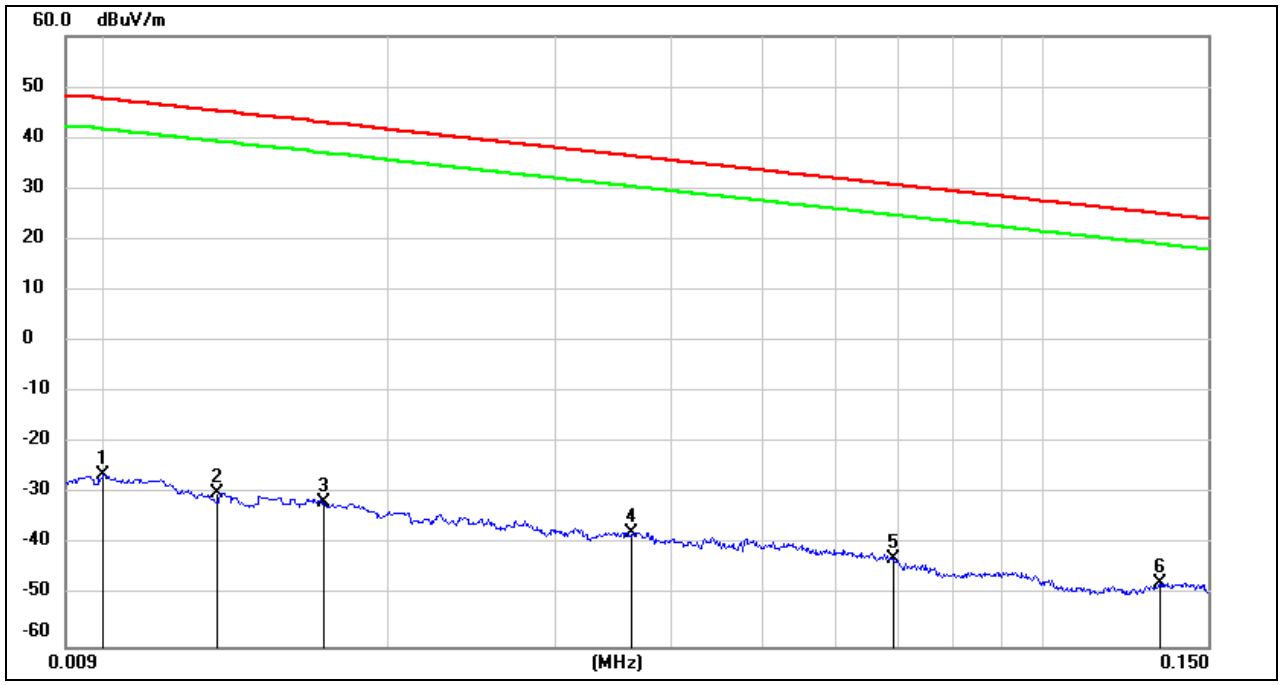
Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

8.7. SPURIOUS EMISSIONS BELOW 30 MHz

8.7.1. 802.11a SISO MODE

SPURIOUS EMISSIONS (UNII-2A BAND LOW CHANNEL, LOOP ANTENNA FACE ON TO THE EUT, WORST-CASE CONFIGURATION)

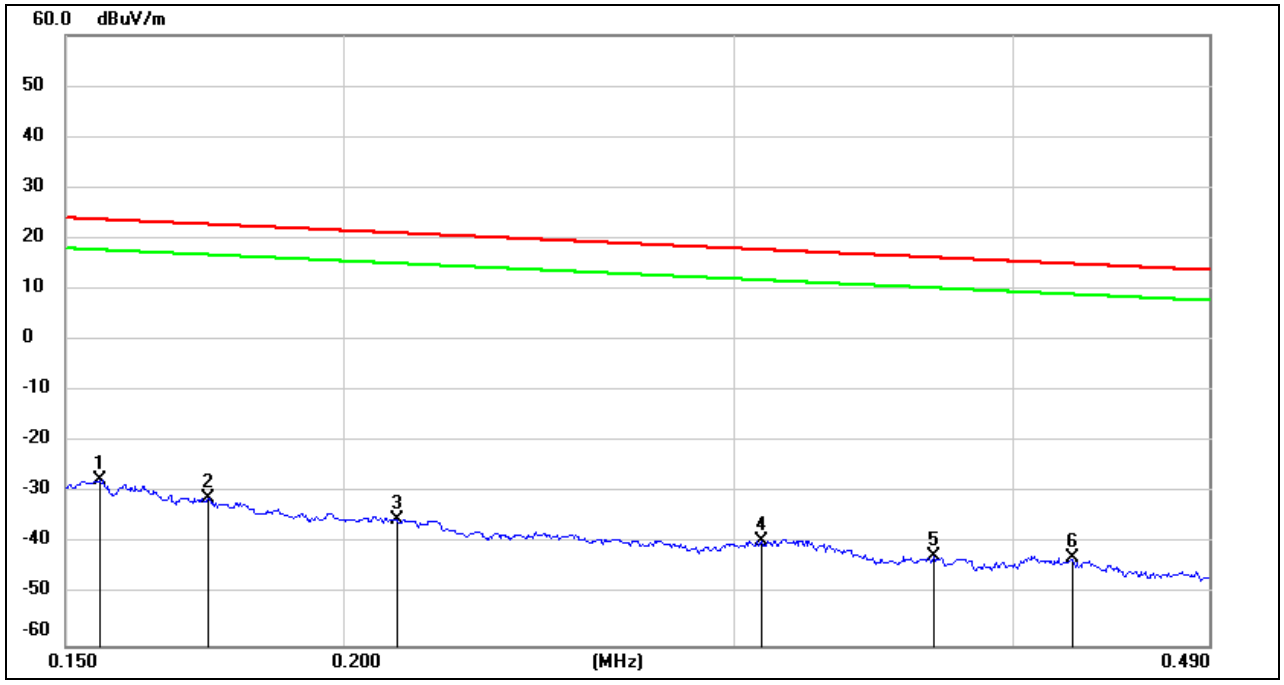
9 kHz~ 150 kHz



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.0100	75.22	-101.40	-26.18	47.6	-77.68	-3.90	-73.78	peak
2	0.0131	71.47	-101.38	-29.91	45.25	-81.41	-6.25	-75.16	peak
3	0.0170	69.79	-101.36	-31.57	42.99	-83.07	-8.51	-74.56	peak
4	0.0362	63.88	-101.42	-37.54	36.43	-89.04	-15.07	-73.97	peak
5	0.0693	58.77	-101.56	-42.79	30.79	-94.29	-20.71	-73.58	peak
6	0.1335	54.16	-101.69	-47.53	25.1	-99.03	-26.40	-72.63	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.
4. dBuA/m = dBuV/m – 20log10(120π) = dBuV/m -51.5.

150 kHz ~ 490 kHz



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.1554	74.27	-101.65	-27.38	23.77	-78.88	-27.73	-51.15	peak
2	0.1737	70.74	-101.67	-30.93	22.81	-82.43	-28.69	-53.74	peak
3	0.2114	66.56	-101.73	-35.17	21.1	-86.67	-30.40	-56.27	peak
4	0.3084	62.45	-101.86	-39.41	17.82	-90.91	-33.68	-57.23	peak
5	0.3684	59.48	-101.93	-42.45	16.27	-93.95	-35.23	-58.72	peak
6	0.4248	59.09	-101.99	-42.9	15.04	-94.40	-36.46	-57.94	peak

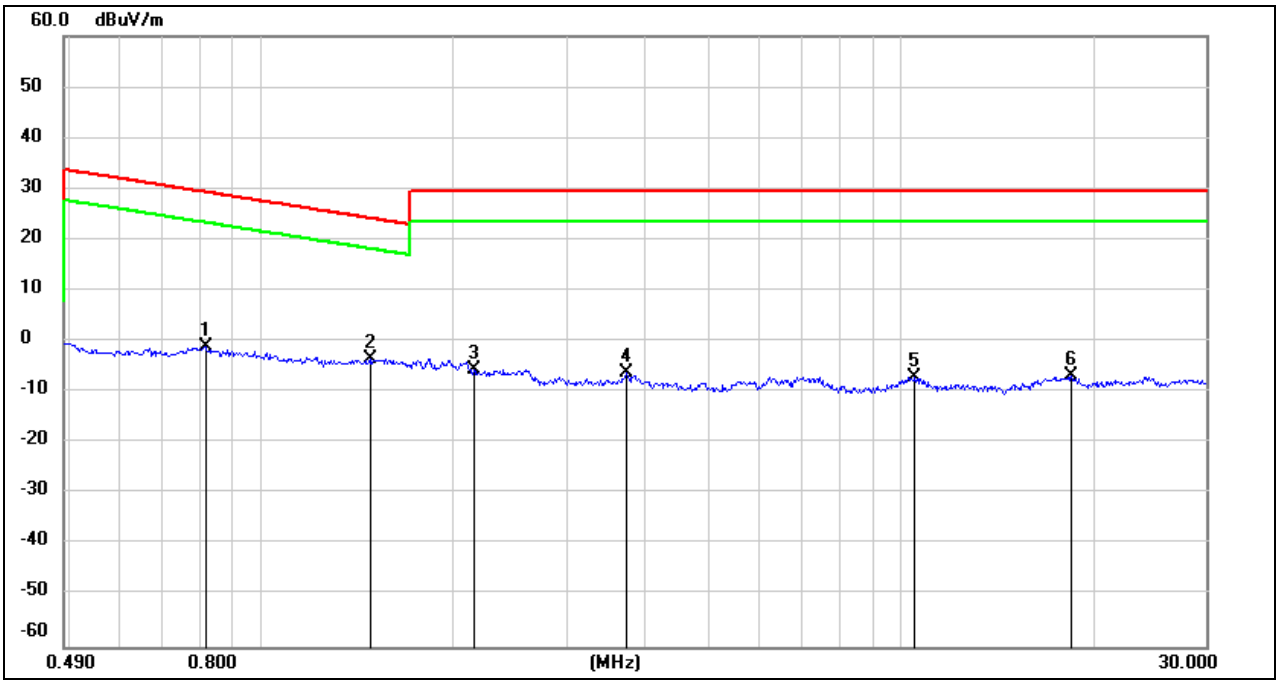
Note: 1. Measurement = Reading Level + Correct Factor.

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.

4. dBuA/m = dBuV/m – 20log10(120π) = dBuV/m -51.5.

490 kHz ~ 30 MHz



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.8162	61.07	-62.16	-1.09	29.37	-52.59	-22.13	-30.46	peak
2	1.4757	58.50	-62.05	-3.55	24.22	-55.05	-27.28	-27.77	peak
3	2.1463	56.27	-61.79	-5.52	29.54	-57.02	-21.96	-35.06	peak
4	3.7100	55.20	-61.41	-6.21	29.54	-57.71	-21.96	-35.75	peak
5	10.5234	53.81	-60.82	-7.01	29.54	-58.51	-21.96	-36.55	peak
6	18.4908	54.06	-60.89	-6.83	29.54	-58.33	-21.96	-36.37	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.
4. dBuA/m = dBuV/m – 20log10(120π) = dBuV/m -51.5.

Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

9. AC POWER LINE CONDUCTED EMISSIONS

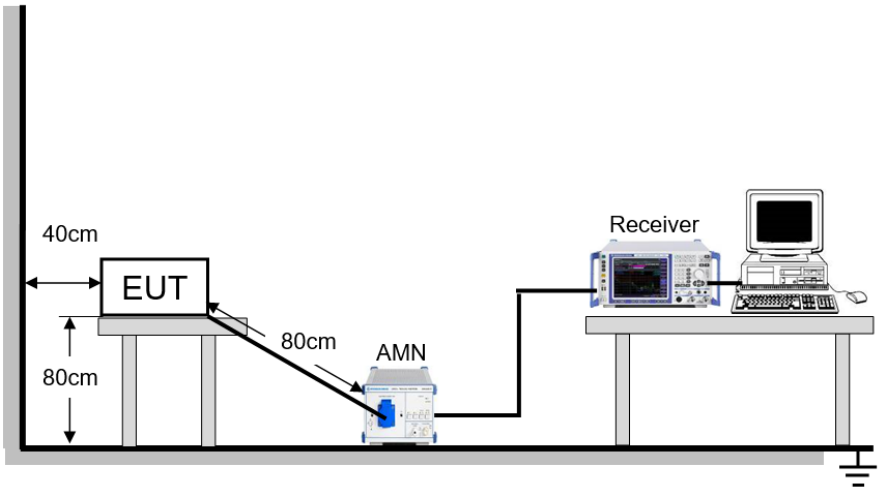
LIMITS

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

Refer to ANSI C63.10-2013 clause 6.2.



The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm 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 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

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

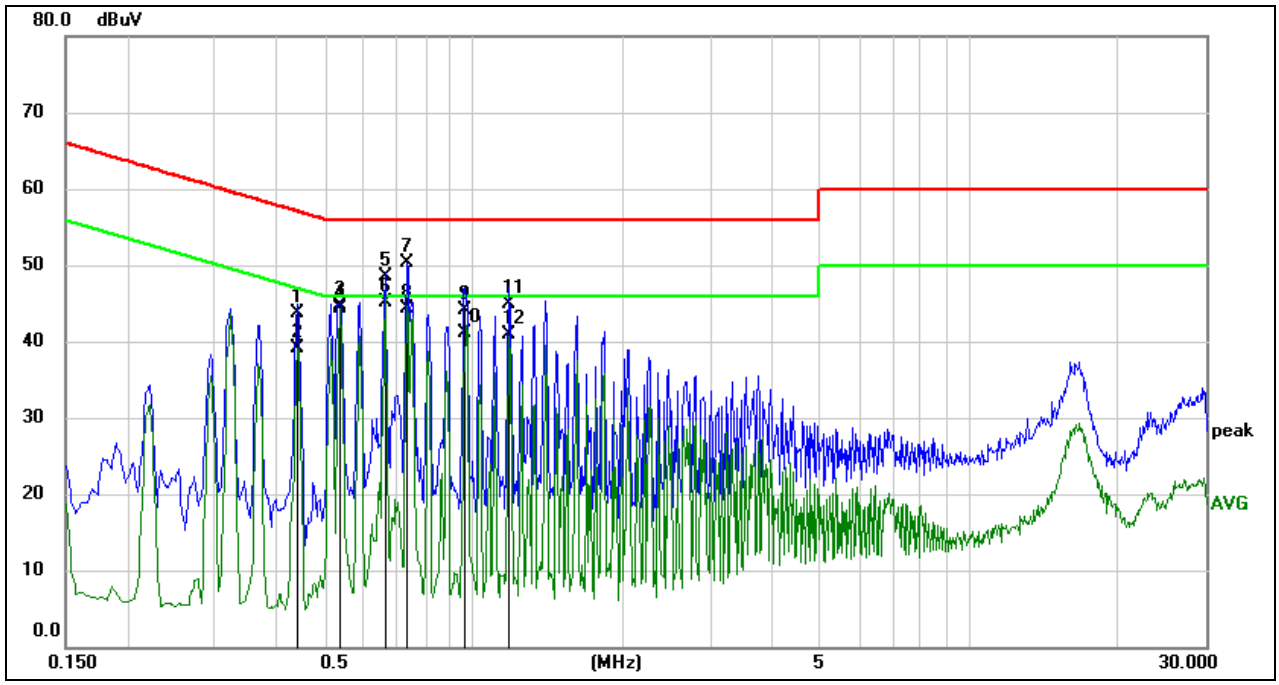
Temperature	22 °C	Relative Humidity	68.9 %

Atmosphere Pressure	101 kPa	Test Voltage	DC 12 V

RESULTS

9.1. 802.11a SISO MODE

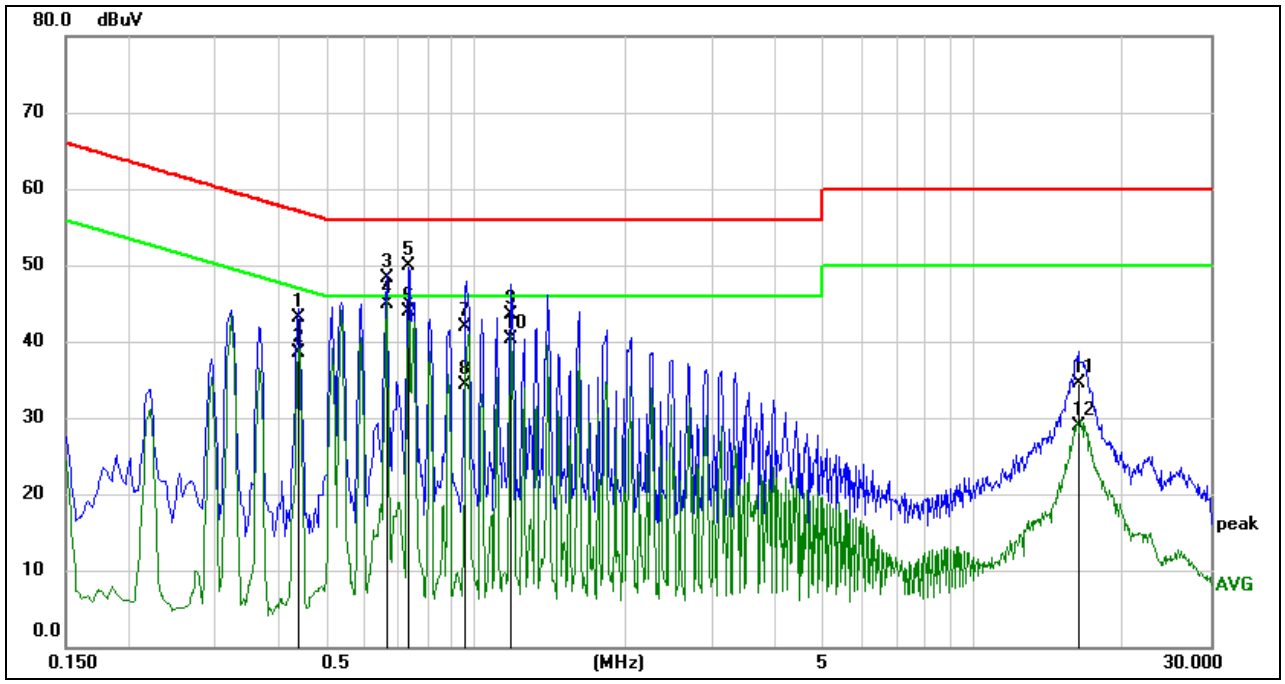
LINE N RESULTS (UNII-2A BAND LOW CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.4417	34.07	9.60	43.67	57.03	-13.36	QP
2	0.4417	29.51	9.60	39.11	47.03	-7.92	AVG
3	0.5381	35.19	9.60	44.79	56.00	-11.21	QP
4	0.5381	34.62	9.60	44.22	46.00	-1.78	AVG
5	0.6621	38.92	9.60	48.52	56.00	-7.48	QP
6	0.6621	35.56	9.60	45.16	46.00	-0.84	AVG
7	0.7358	40.79	9.60	50.39	56.00	-5.61	QP
8	0.7358	34.74	9.60	44.34	46.00	-1.66	AVG
9	0.9651	34.54	9.61	44.15	56.00	-11.85	QP
10	0.9651	31.42	9.61	41.03	46.00	-4.97	AVG
11	1.1813	35.34	9.61	44.95	56.00	-11.05	QP
12	1.1813	31.39	9.61	41.00	46.00	-5.00	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: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

LINE L RESULTS (UNII-2A BAND LOW CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.4420	33.46	9.60	43.06	57.02	-13.96	QP
2	0.4420	28.93	9.60	38.53	47.02	-8.49	AVG
3	0.6622	38.61	9.60	48.21	56.00	-7.79	QP
4	0.6622	35.21	9.60	44.81	46.00	-1.19	AVG
5	0.7356	40.36	9.60	49.96	56.00	-6.04	QP
6	0.7356	34.30	9.60	43.90	46.00	-2.10	AVG
7	0.9568	32.29	9.61	41.90	56.00	-14.10	QP
8	0.9568	24.66	9.61	34.27	46.00	-11.73	AVG
9	1.1830	33.88	9.61	43.49	56.00	-12.51	QP
10	1.1830	30.64	9.61	40.25	46.00	-5.75	AVG
11	16.2579	24.50	9.92	34.42	60.00	-25.58	QP
12	16.2579	18.95	9.92	28.87	50.00	-21.13	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: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes had been tested, but only the worst data was recorded in the report.

10. FREQUENCY STABILITY

LIMITS

The frequency of the carrier signal shall be maintained within band of operation.

TEST PROCEDURE

1. The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between 0 °C ~ 40 °C (declared by customer).

2. The temperature was incremented by 10 °C intervals and the unit allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.

3. The primary supply voltage is varied from 85 % to 115 % of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

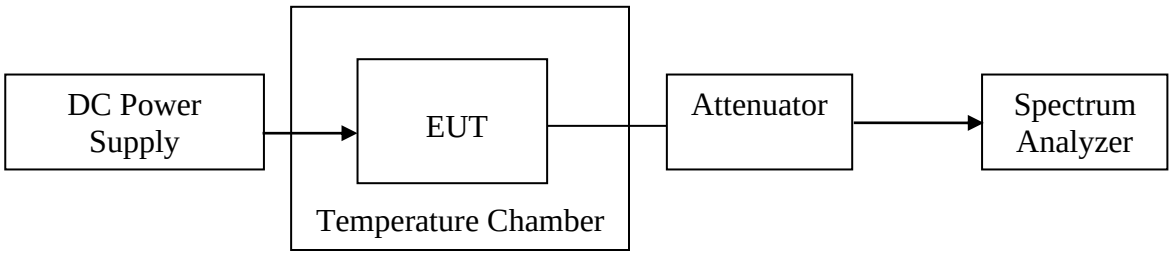
Connect the EUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	10 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

4. While maintaining a constant temperature inside the environmental chamber, turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5minutes, and 10 minutes after the EUT is energized.

5. Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

TEST SETUP



TEST ENVIRONMENT

	Normal Test Conditions	Extreme Test Conditions
Relative Humidity	20 % - 75 %	/
Atmospheric Pressure	100 kPa ~102 kPa	/
Temperature	T_N (Normal Temperature): 22 °C – 28 °C	T_L (Low Temperature): 0 °C
		T_H (High Temperature): 40 °C
Supply Voltage	V_N (Normal Voltage): DC 12 V	V_L (Low Voltage): DC 10.2 V
		V_H (High Voltage): DC 13.8 V

RESULTS

Please refer to Appendix E.

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

Complies

Appendix

Appendix A1: Emission Bandwidth
Test Result

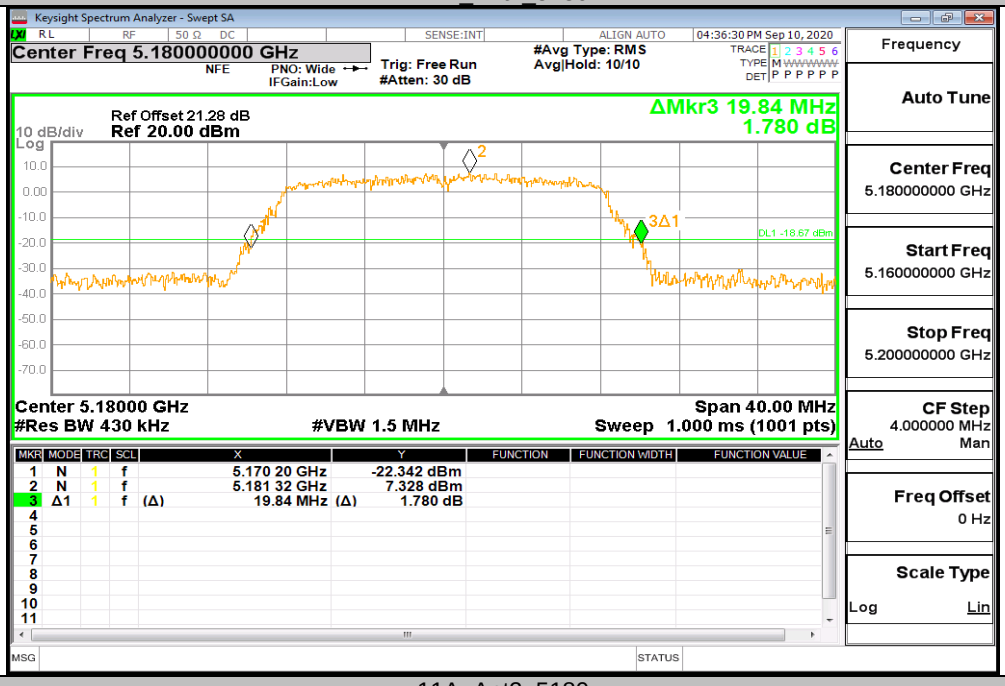
Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant1	5180	19.760	5170.240	5190.000	PASS
	Ant2	5180	19.840	5170.200	5190.040	PASS
	Ant1	5200	19.960	5190.040	5210.000	PASS
	Ant2	5200	19.960	5190.160	5210.120	PASS
	Ant1	5240	19.880	5230.040	5249.920	PASS
	Ant2	5240	19.760	5230.160	5249.920	PASS
	Ant1	5260	20.080	5250.080	5270.160	PASS
	Ant2	5260	19.960	5249.960	5269.920	PASS
	Ant1	5280	20.160	5269.920	5290.080	PASS
	Ant2	5280	20.160	5269.960	5290.120	PASS
	Ant1	5320	20.000	5310.120	5330.120	PASS
	Ant2	5320	20.040	5309.920	5329.960	PASS
	Ant1	5500	20.160	5490.000	5510.160	PASS
	Ant2	5500	19.920	5490.240	5510.160	PASS
	Ant1	5580	19.920	5569.960	5589.880	PASS
	Ant2	5580	20.200	5569.960	5590.160	PASS
	Ant1	5700	20.400	5689.680	5710.080	PASS
	Ant2	5700	20.000	5690.000	5710.000	PASS
	Ant1	5720	19.920	5710.040	5729.960	PASS
	Ant2	5720	20.000	5709.880	5729.880	PASS
	Ant1	5720_UNII-2C	14.96	5710.040	5725	PASS
	Ant2	5720_UNII-2C	15.12	5709.880	5725	PASS
	Ant1	5720_UNII-3	4.96	5725	5729.960	PASS
	Ant2	5720_UNII-3	4.88	5725	5729.880	PASS
	Ant1	5745	19.680	5735.200	5754.880	PASS
	Ant2	5745	20.040	5735.000	5755.040	PASS
	Ant1	5785	20.120	5774.920	5795.040	PASS
	Ant2	5785	20.240	5774.960	5795.200	PASS
	Ant1	5825	20.080	5814.840	5834.920	PASS
	Ant2	5825	20.160	5814.840	5835.000	PASS
11N20MIMO	Ant1	5180	20.440	5169.840	5190.280	PASS
	Ant2	5180	20.520	5169.840	5190.360	PASS
	Ant1	5200	20.200	5189.880	5210.080	PASS
	Ant2	5200	20.280	5189.840	5210.120	PASS
	Ant1	5240	19.920	5230.040	5249.960	PASS
	Ant2	5240	19.960	5229.960	5249.920	PASS
	Ant1	5260	20.320	5249.840	5270.160	PASS
	Ant2	5260	20.280	5249.760	5270.040	PASS
	Ant1	5280	20.720	5269.520	5290.240	PASS
	Ant2	5280	19.840	5270.080	5289.920	PASS
	Ant1	5320	20.440	5309.680	5330.120	PASS
	Ant2	5320	20.400	5309.800	5330.200	PASS
	Ant1	5500	20.000	5489.840	5509.840	PASS
	Ant2	5500	20.200	5489.840	5510.040	PASS
	Ant1	5580	20.360	5569.960	5590.320	PASS
	Ant2	5580	19.800	5570.040	5589.840	PASS
	Ant1	5700	20.280	5689.760	5710.040	PASS
	Ant2	5700	19.960	5689.920	5709.880	PASS
	Ant1	5720	20.440	5709.840	5730.280	PASS
	Ant2	5720	20.040	5709.920	5729.960	PASS

	Ant1	5720_UNII-2C	15.16	5709.840	5725	PASS
	Ant2	5720_UNII-2C	15.08	5709.920	5725	PASS
	Ant1	5720_UNII-3	5.28	5725	5730.280	PASS
	Ant2	5720_UNII-3	4.96	5725	5729.960	PASS
	Ant1	5745	20.440	5734.680	5755.120	PASS
	Ant2	5745	20.080	5734.960	5755.040	PASS
	Ant1	5785	20.320	5774.880	5795.200	PASS
	Ant2	5785	20.280	5774.880	5795.160	PASS
	Ant1	5825	20.400	5814.720	5835.120	PASS
	Ant2	5825	20.360	5814.880	5835.240	PASS
11N40MIMO	Ant1	5190	39.600	5170.160	5209.760	PASS
	Ant2	5190	39.360	5170.160	5209.520	PASS
	Ant1	5230	39.120	5210.640	5249.760	PASS
	Ant2	5230	39.440	5210.080	5249.520	PASS
	Ant1	5270	39.600	5250.320	5289.920	PASS
	Ant2	5270	39.840	5250.080	5289.920	PASS
	Ant1	5310	40.240	5289.760	5330.000	PASS
	Ant2	5310	39.360	5290.240	5329.600	PASS
	Ant1	5510	39.600	5490.160	5529.760	PASS
	Ant2	5510	39.280	5490.480	5529.760	PASS
	Ant1	5590	39.840	5570.320	5610.160	PASS
	Ant2	5590	40.160	5569.920	5610.080	PASS
	Ant1	5670	40.160	5649.760	5689.920	PASS
	Ant2	5670	40.000	5650.080	5690.080	PASS
	Ant1	5710	40.720	5689.600	5730.320	PASS
	Ant2	5710	39.440	5690.080	5729.520	PASS
	Ant1	5710_UNII-2C	35.4	5689.600	5725	PASS
	Ant2	5710_UNII-2C	34.92	5690.080	5725	PASS
	Ant1	5710_UNII-3	5.32	5725	5730.320	PASS
	Ant2	5710_UNII-3	4.52	5725	5729.520	PASS
	Ant1	5755	40.080	5735.160	5775.240	PASS
	Ant2	5755	39.920	5735.080	5775.000	PASS
	Ant1	5795	40.400	5774.840	5815.240	PASS
	Ant2	5795	40.240	5775.080	5815.320	PASS
11AC20MIMO	Ant1	5180	20.360	5169.840	5190.200	PASS
	Ant2	5180	20.120	5169.920	5190.040	PASS
	Ant1	5200	20.280	5189.880	5210.160	PASS
	Ant2	5200	19.960	5190.000	5209.960	PASS
	Ant1	5240	19.840	5229.960	5249.800	PASS
	Ant2	5240	19.920	5230.080	5250.000	PASS
	Ant1	5260	20.640	5249.600	5270.240	PASS
	Ant2	5260	19.880	5249.920	5269.800	PASS
	Ant1	5280	19.680	5270.120	5289.800	PASS
	Ant2	5280	20.400	5269.760	5290.160	PASS
	Ant1	5320	20.360	5309.960	5330.320	PASS
	Ant2	5320	20.160	5309.800	5329.960	PASS
	Ant1	5500	20.200	5489.920	5510.120	PASS
	Ant2	5500	19.760	5490.080	5509.840	PASS
	Ant1	5580	20.360	5569.600	5589.960	PASS
	Ant2	5580	20.000	5570.080	5590.080	PASS
	Ant1	5700	20.640	5689.440	5710.080	PASS
	Ant2	5700	20.280	5689.800	5710.080	PASS
	Ant1	5720	20.320	5709.840	5730.160	PASS
	Ant2	5720	20.000	5709.960	5729.960	PASS
	Ant1	5720_UNII-2C	15.16	5709.840	5725	PASS
	Ant2	5720_UNII-2C	15.04	5709.960	5725	PASS
	Ant1	5720_UNII-3	5.16	5725	5730.160	PASS
	Ant2	5720_UNII-3	4.96	5725	5729.960	PASS
	Ant1	5745	20.440	5734.800	5755.240	PASS
	Ant2	5745	20.320	5734.720	5755.040	PASS

	Ant1	5785	20.240	5774.840	5795.080	PASS
	Ant2	5785	19.840	5774.960	5794.800	PASS
	Ant1	5825	20.160	5814.880	5835.040	PASS
	Ant2	5825	20.360	5814.720	5835.080	PASS
11AC40MIMO	Ant1	5190	39.600	5169.920	5209.520	PASS
	Ant2	5190	39.840	5169.760	5209.600	PASS
	Ant1	5230	39.520	5210.400	5249.920	PASS
	Ant2	5230	39.040	5210.400	5249.440	PASS
	Ant1	5270	40.720	5249.120	5289.840	PASS
	Ant2	5270	39.760	5250.080	5289.840	PASS
	Ant1	5310	39.840	5289.920	5329.760	PASS
	Ant2	5310	40.000	5289.840	5329.840	PASS
	Ant1	5510	40.160	5489.920	5530.080	PASS
	Ant2	5510	39.680	5490.160	5529.840	PASS
	Ant1	5590	39.920	5569.840	5609.760	PASS
	Ant2	5590	39.840	5570.000	5609.840	PASS
	Ant1	5670	40.320	5649.600	5689.920	PASS
	Ant2	5670	39.360	5650.080	5689.440	PASS
	Ant1	5710	39.920	5690.160	5730.080	PASS
	Ant2	5710	39.280	5690.480	5729.760	PASS
	Ant1	5710_UNII-2C	34.84	5690.160	5725	PASS
	Ant2	5710_UNII-2C	34.52	5690.480	5725	PASS
	Ant1	5710_UNII-3	5.08	5725	5730.080	PASS
	Ant2	5710_UNII-3	4.76	5725	5729.760	PASS
	Ant1	5755	39.840	5735.000	5774.840	PASS
	Ant2	5755	39.280	5735.320	5774.600	PASS
	Ant1	5795	40.640	5774.760	5815.400	PASS
	Ant2	5795	39.920	5775.000	5814.920	PASS
11AC80MIMO	Ant1	5210	79.840	5170.000	5249.840	PASS
	Ant2	5210	79.680	5170.160	5249.840	PASS
	Ant1	5290	80.160	5249.520	5329.680	PASS
	Ant2	5290	79.360	5250.160	5329.520	PASS
	Ant1	5530	80.800	5490.000	5570.800	PASS
	Ant2	5530	80.160	5489.840	5570.000	PASS
	Ant1	5610	81.120	5569.520	5650.640	PASS
	Ant2	5610	79.680	5570.320	5650.000	PASS
	Ant1	5690	80.320	5650.000	5730.320	PASS
	Ant2	5690	79.520	5650.160	5729.680	PASS
	Ant1	5690_UNII-2C	75	5650.000	5725	PASS
	Ant2	5690_UNII-2C	74.84	5650.160	5725	PASS
	Ant1	5690_UNII-3	5.32	5725	5730.320	PASS
	Ant2	5690_UNII-3	4.68	5725	5729.680	PASS
	Ant1	5775	80.160	5735.000	5815.160	PASS
	Ant2	5775	79.680	5735.160	5814.840	PASS

Test Graphs

11A_Ant1_5180



11A_Ant2_5180

11A_Ant1_5200

11A_Ant2_5200

11A_Ant1_5240

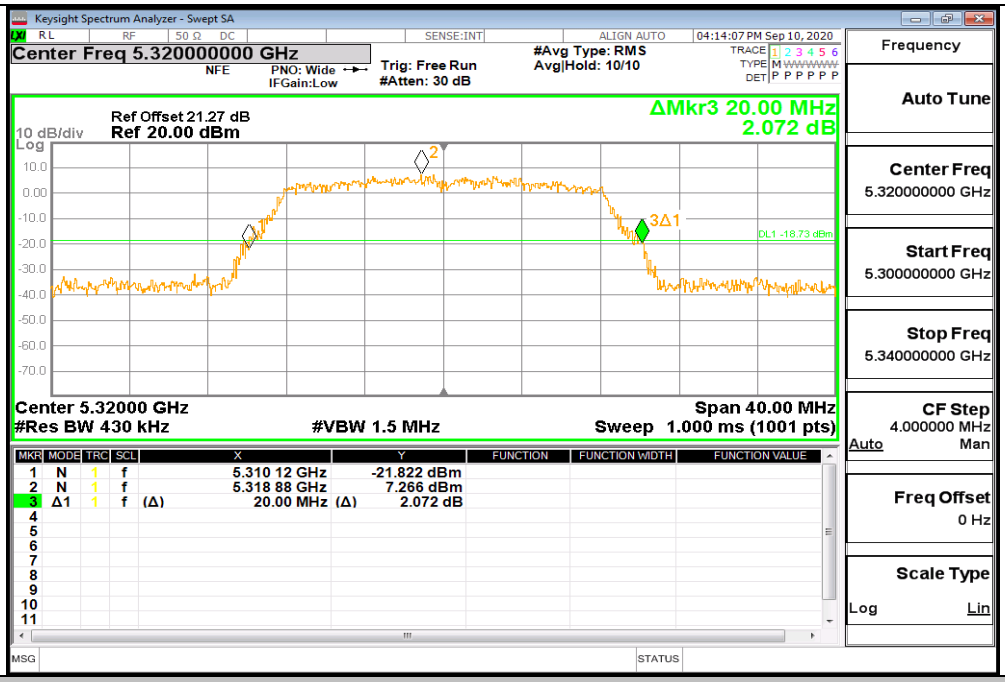
11A_Ant2_5240

11A_Ant1_5260

11A_Ant2_5260

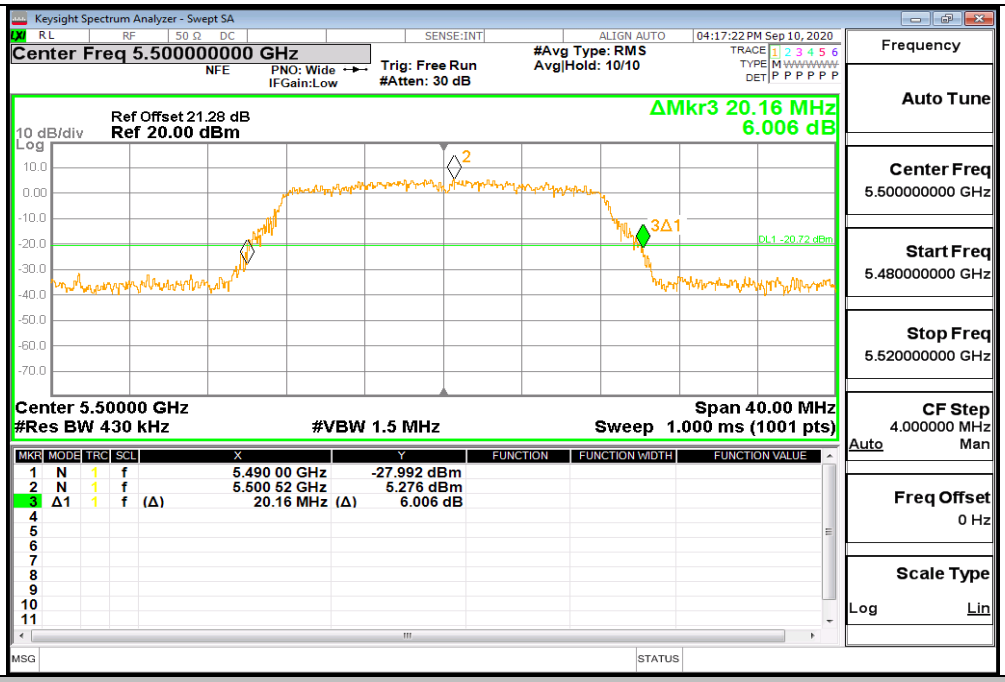
11A_Ant1_5280

11A_Ant2_5280

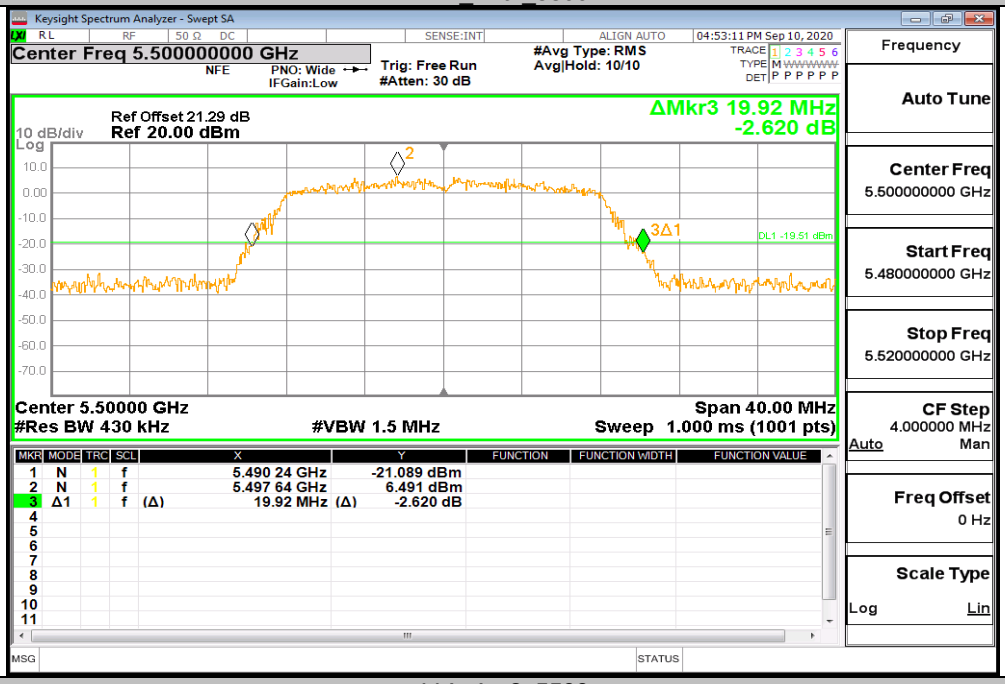


11A_Ant1_5320

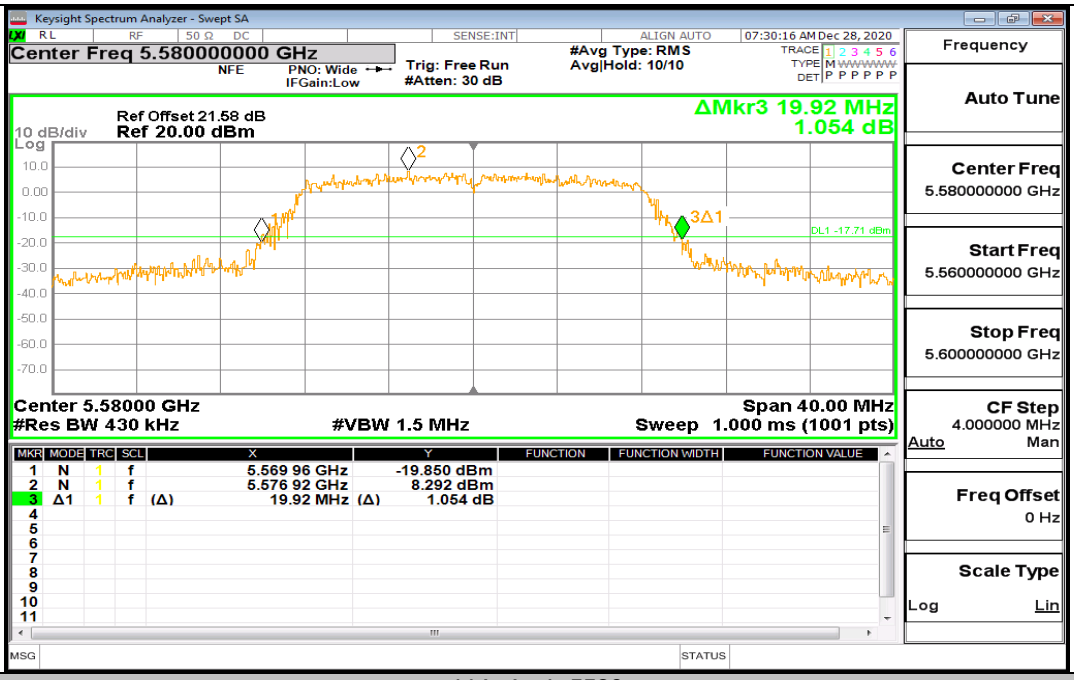
11A_Ant2_5320



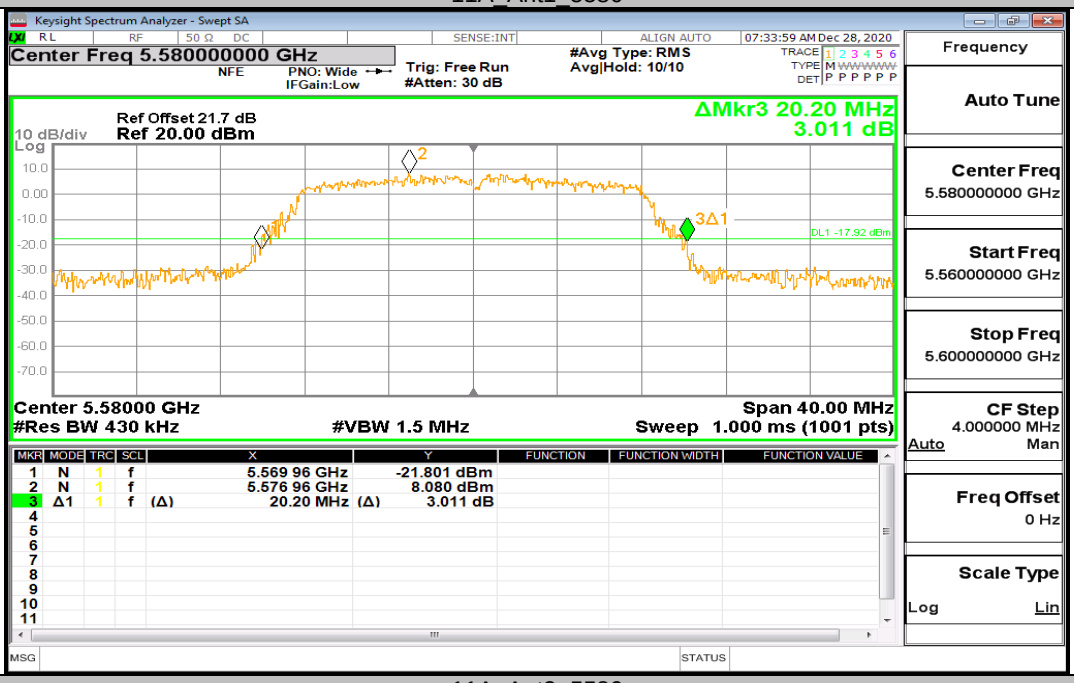
11A_Ant1_5500



11A_Ant2_5500



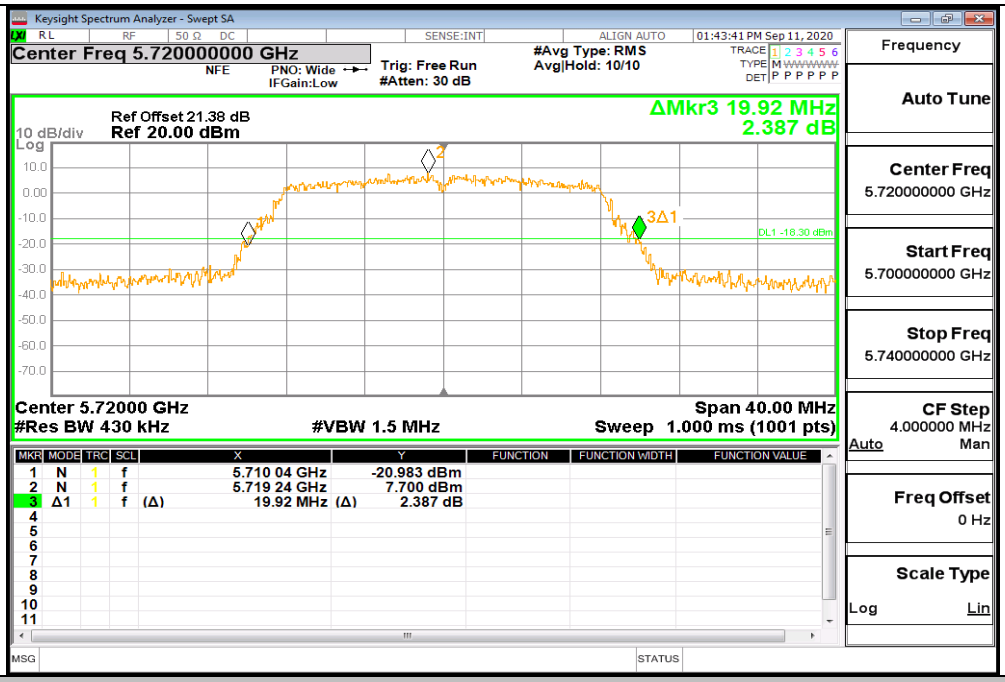
11A_Ant1_5580



11A_Ant2_5580

11A_Ant1_5700

11A_Ant2_5700



11A_Ant1_5720

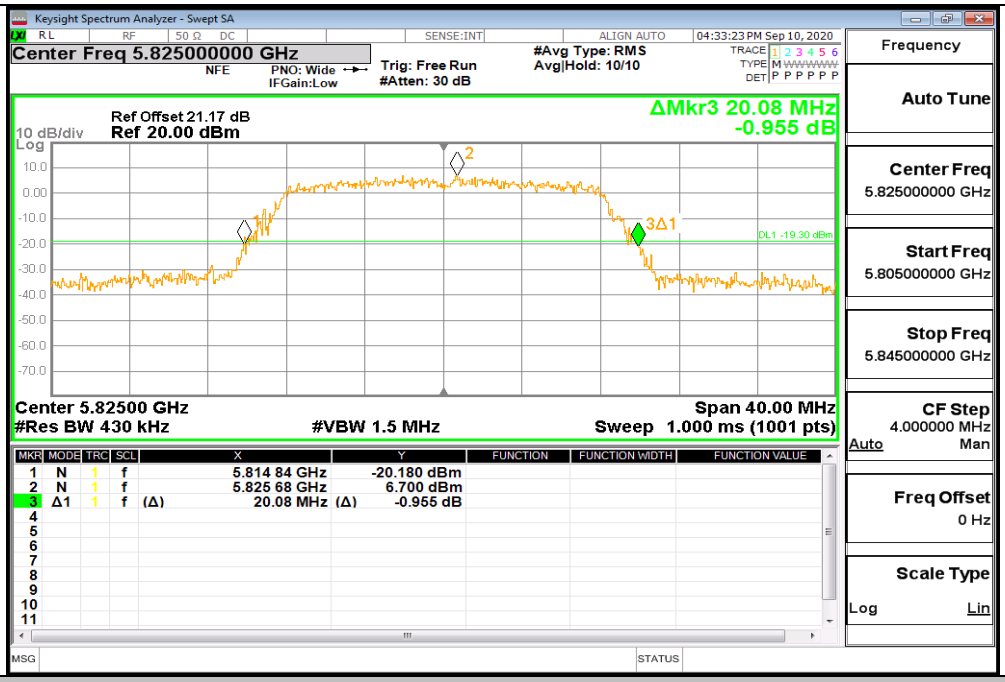
11A_Ant2_5720

11A_Ant1_5745

11A_Ant2_5745

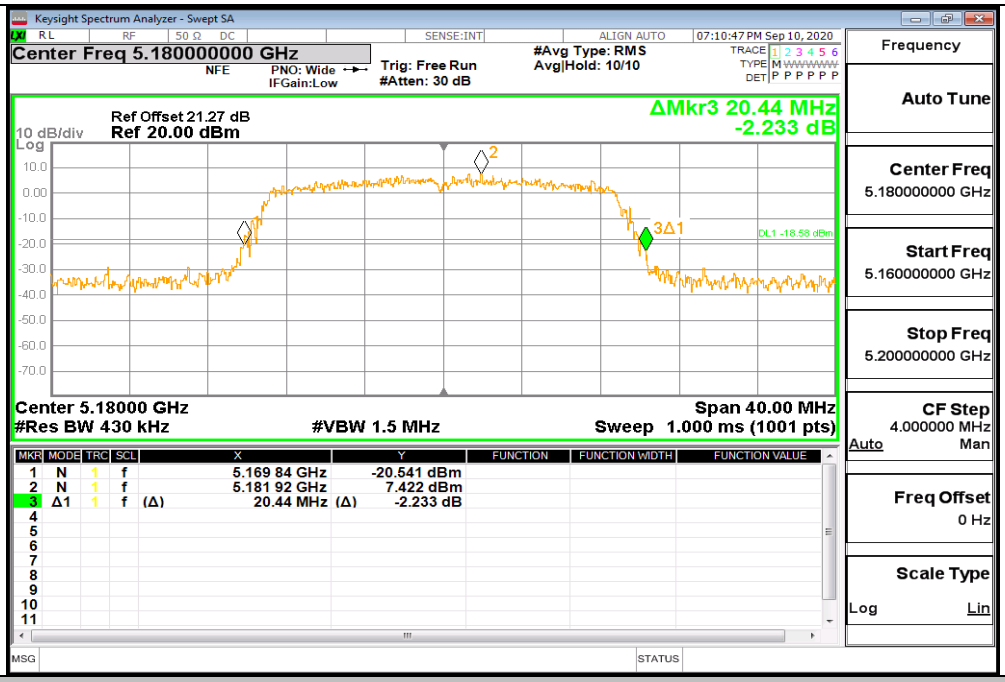
11A_Ant1_5785

11A_Ant2_5785



11A_Ant1_5825

11A_Ant2_5825

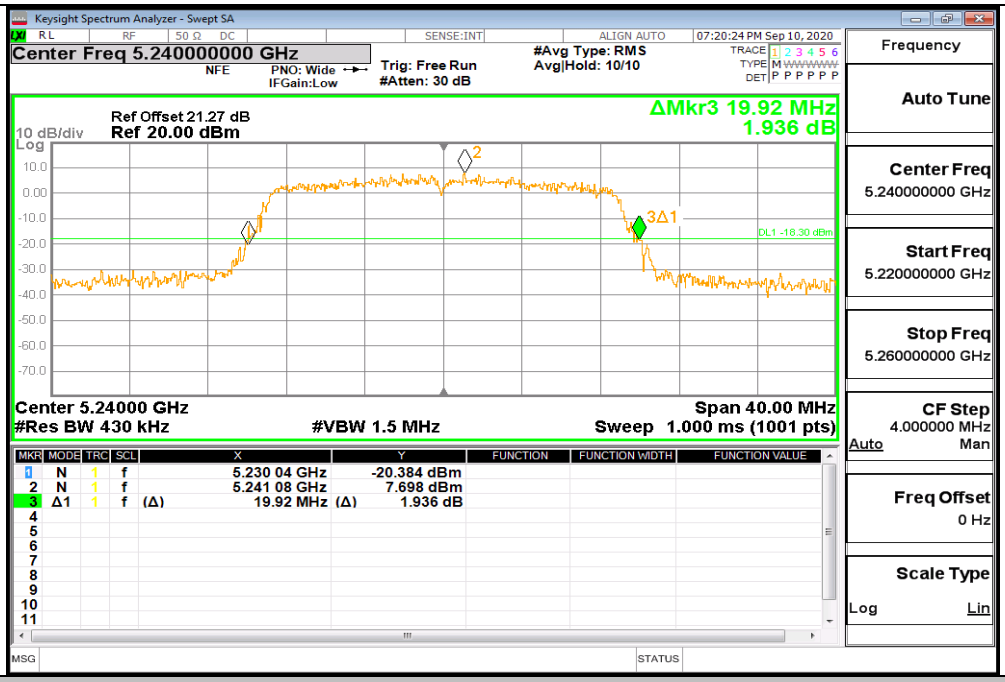


11N20MIMO_Ant1_5180

11N20MIMO_Ant2_5180

11N20MIMO_Ant1_5200

11N20MIMO_Ant2_5200



11N20MIMO_Ant1_5240

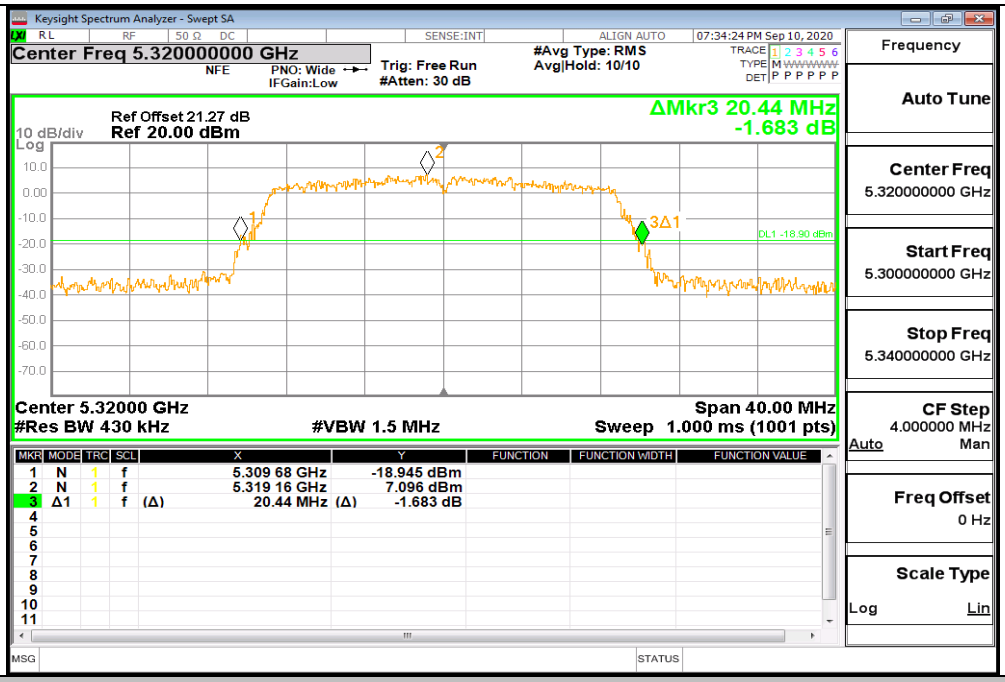
11N20MIMO_Ant2_5240

11N20MIMO_Ant1_5260

11N20MIMO_Ant2_5260

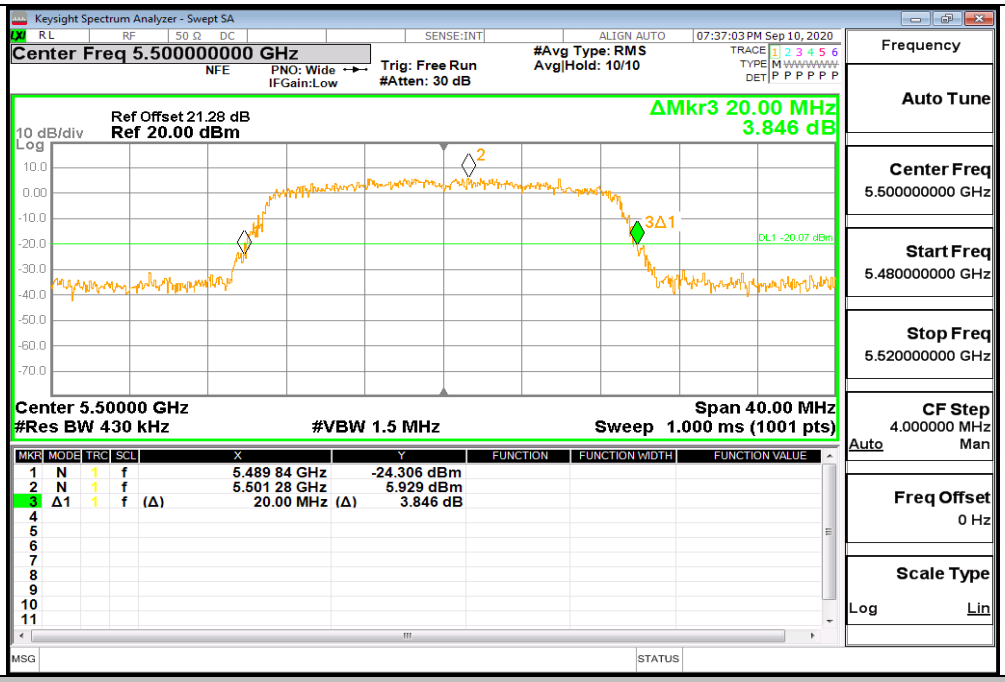
11N20MIMO_Ant1_5280

11N20MIMO_Ant2_5280



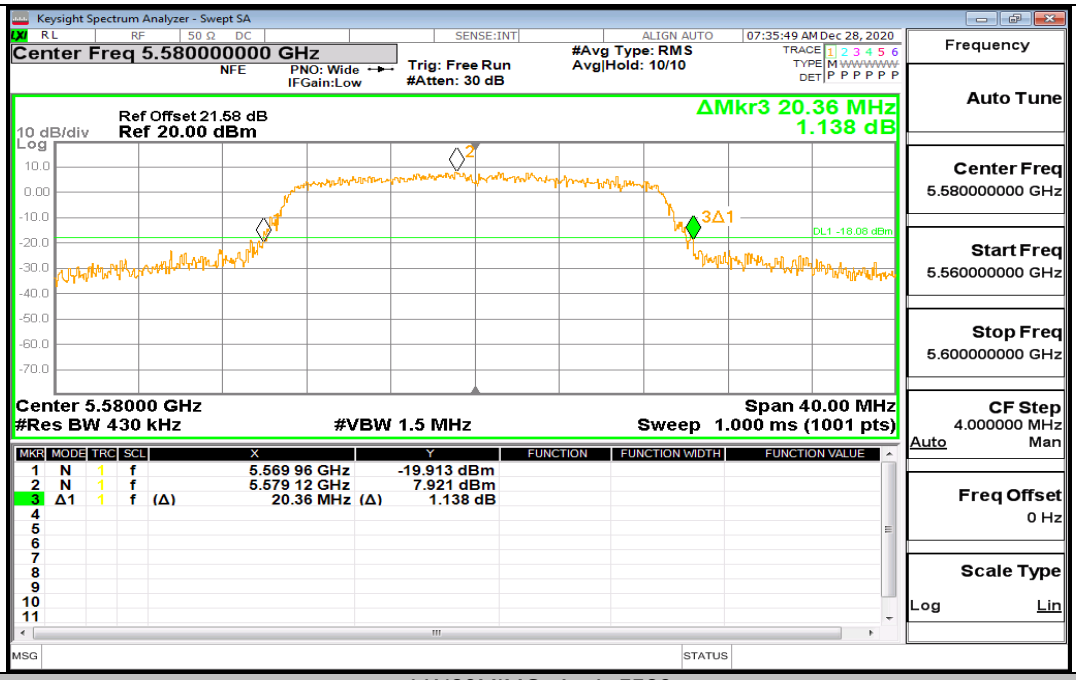
11N20MIMO_Ant1_5320

11N20MIMO_Ant2_5320

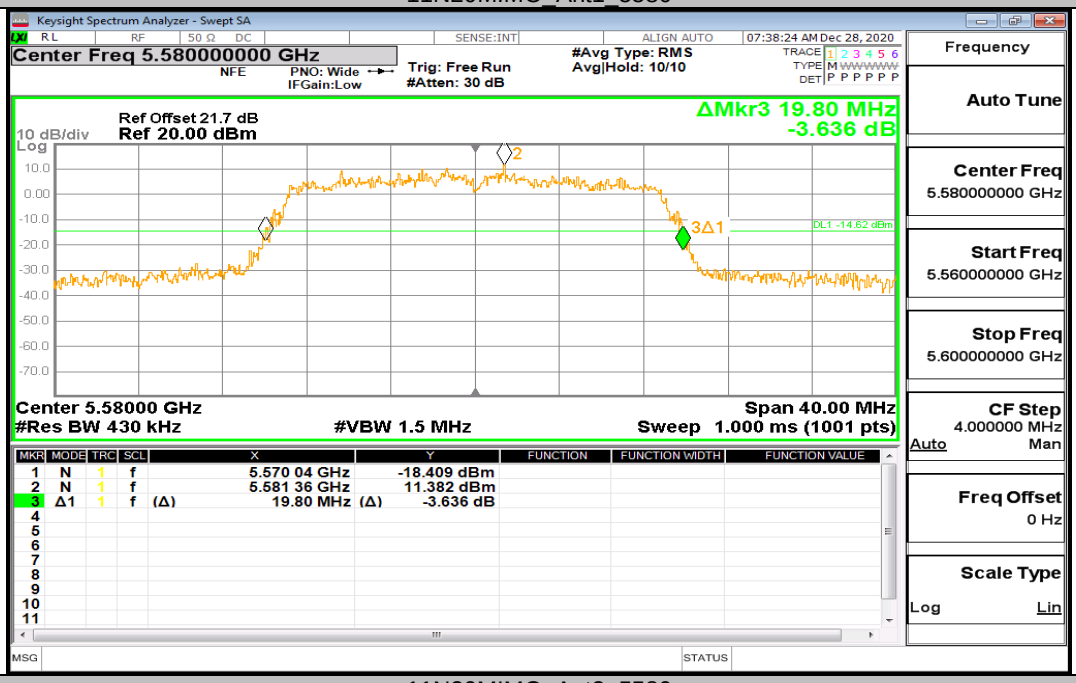


11N20MIMO_Ant1_5500

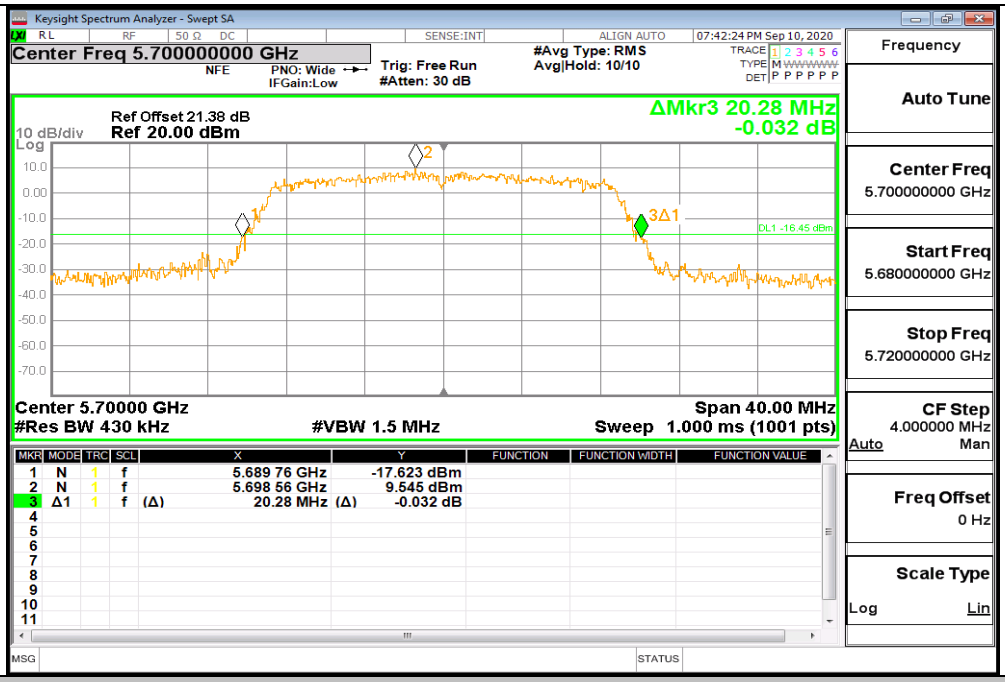
11N20MIMO_Ant2_5500



11N20MIMO_Ant1_5580

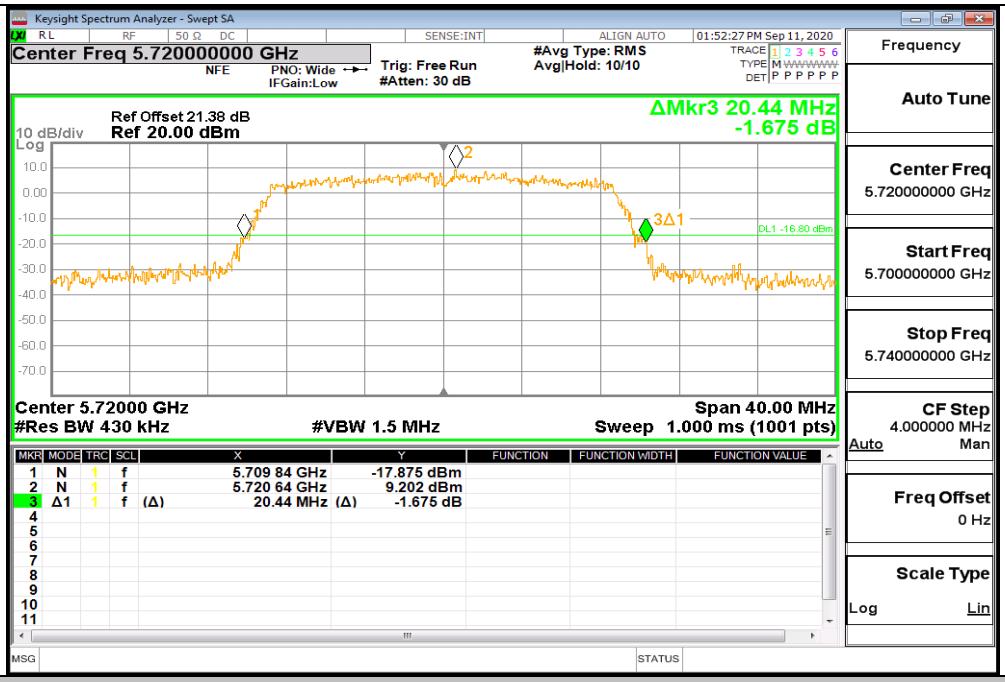


11N20MIMO_Ant2_5580

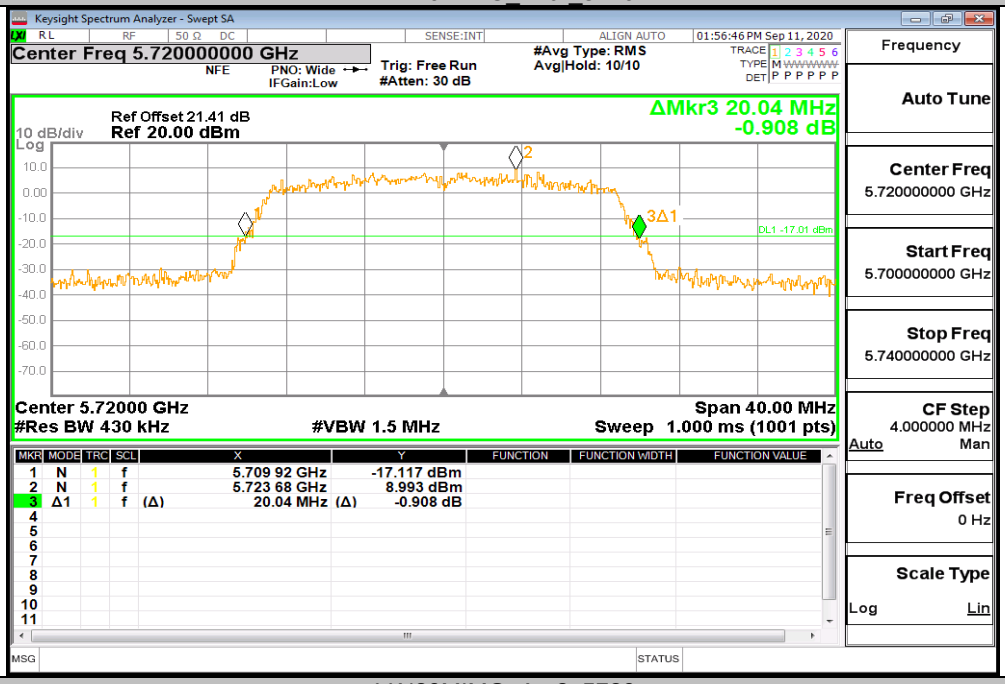


11N20MIMO_Ant1_5700

11N20MIMO_Ant2_5700



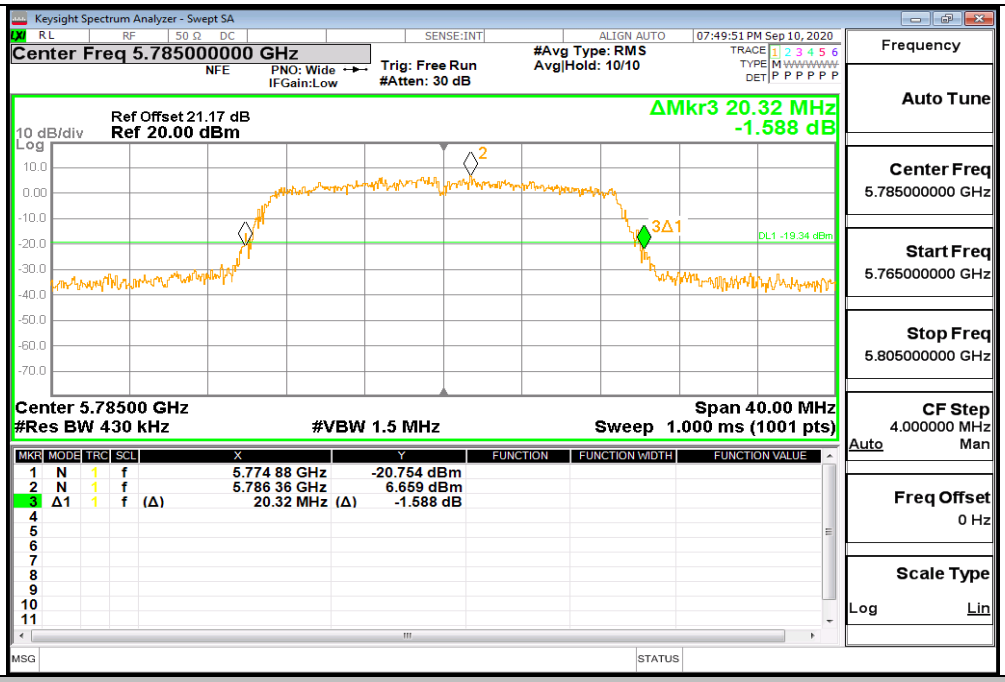
11N20MIMO_Ant1_5720



11N20MIMO_Ant2_5720

11N20MIMO_Ant1_5745

11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785

11N20MIMO_Ant2_5785