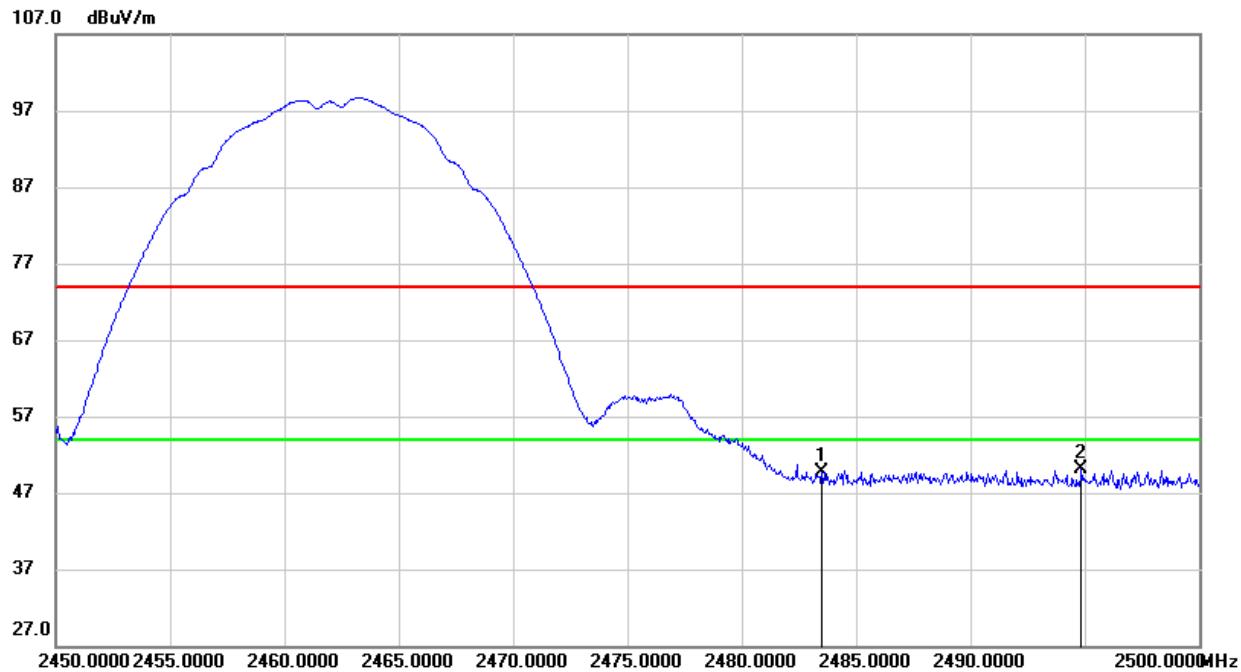


RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)PEAK

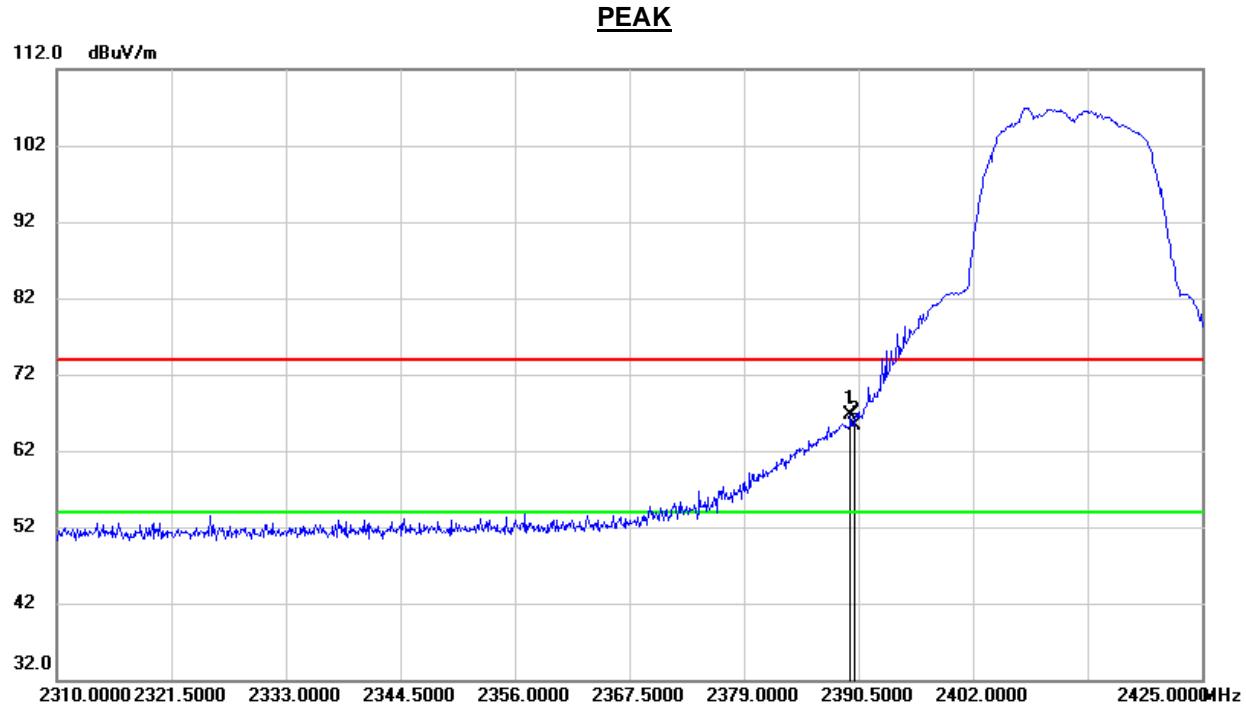
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.11	33.58	49.69	74.00	-24.31	peak
2	2494.850	16.36	33.66	50.02	74.00	-23.98	peak

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.

### 7.7.2. 802.11g SISO MODE

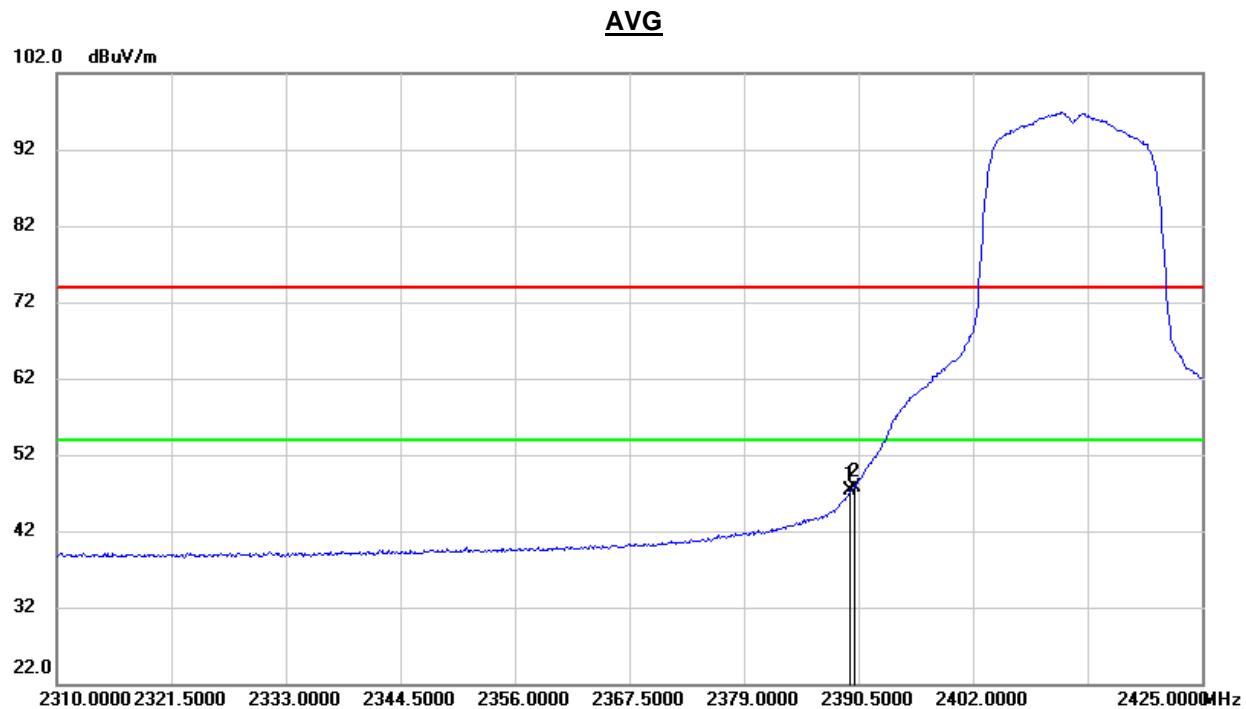
#### 1TX MODE ANT1 WCT5J-20 (WORST-CASE CONFIGURATION)

#### RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



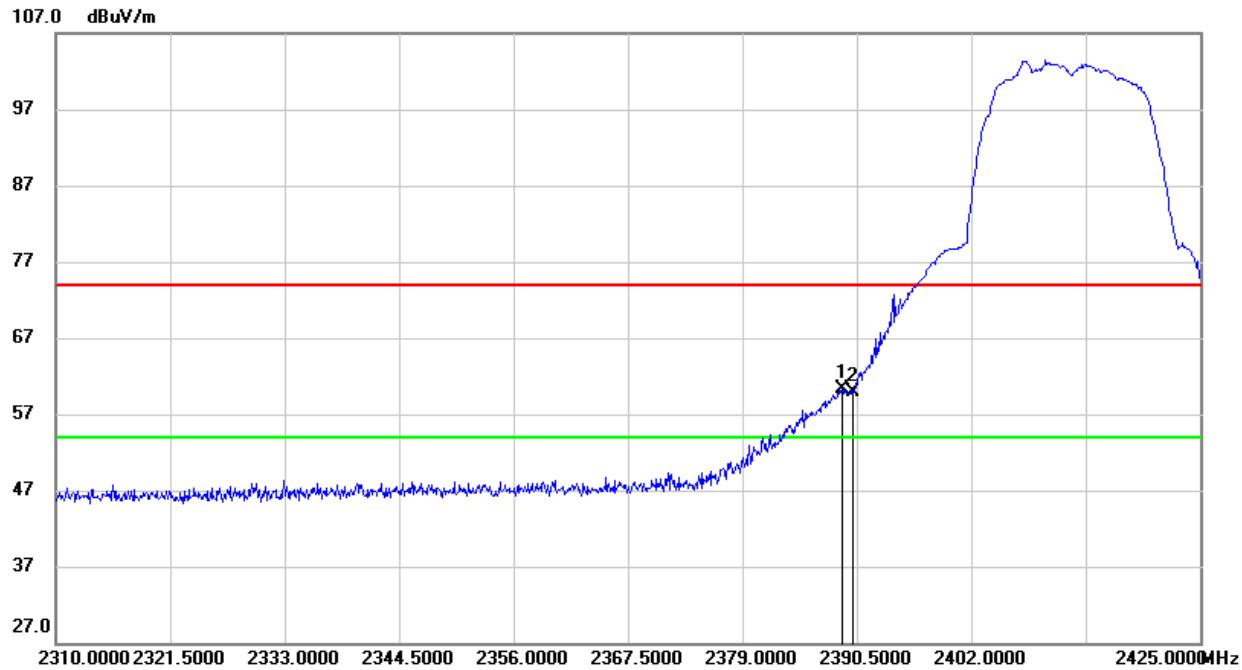
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.695	33.73	32.94	66.67	74.00	-7.33	peak
2	2390.000	32.45	32.94	65.39	74.00	-8.61	peak

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



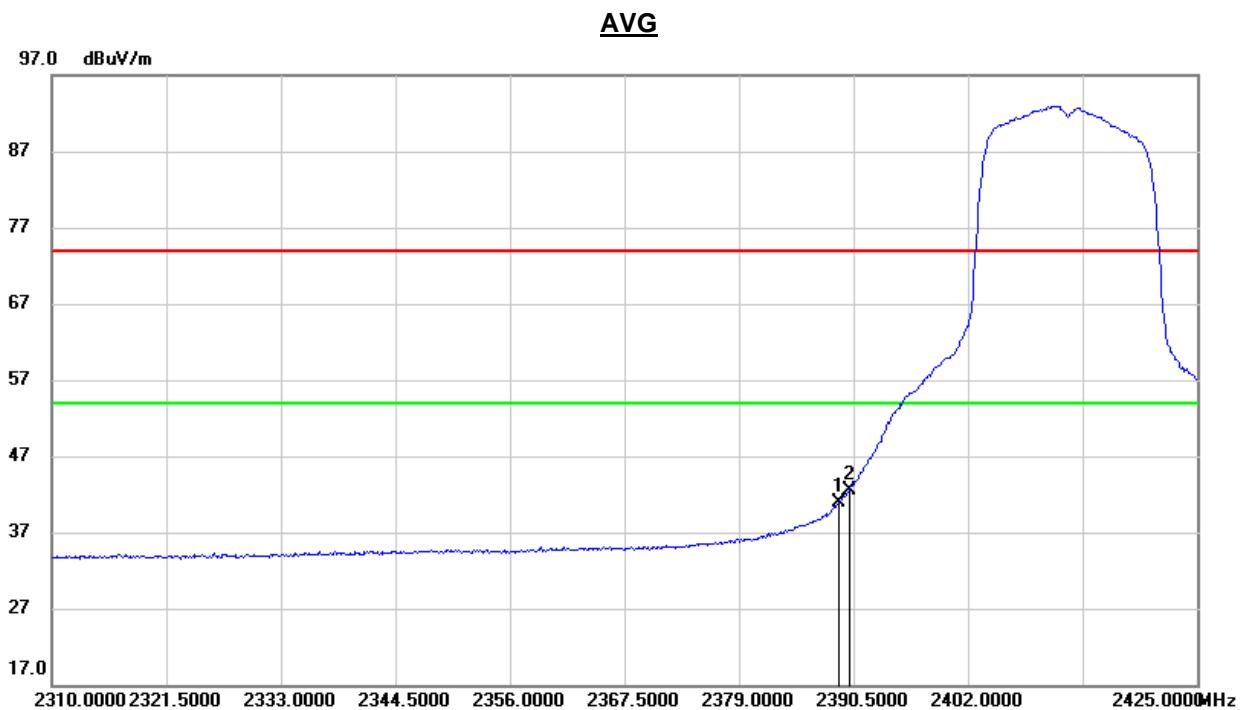
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.695	14.38	32.94	47.32	54.00	-6.68	AVG
2	2390.000	14.78	32.94	47.72	54.00	-6.28	AVG

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.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)PEAK

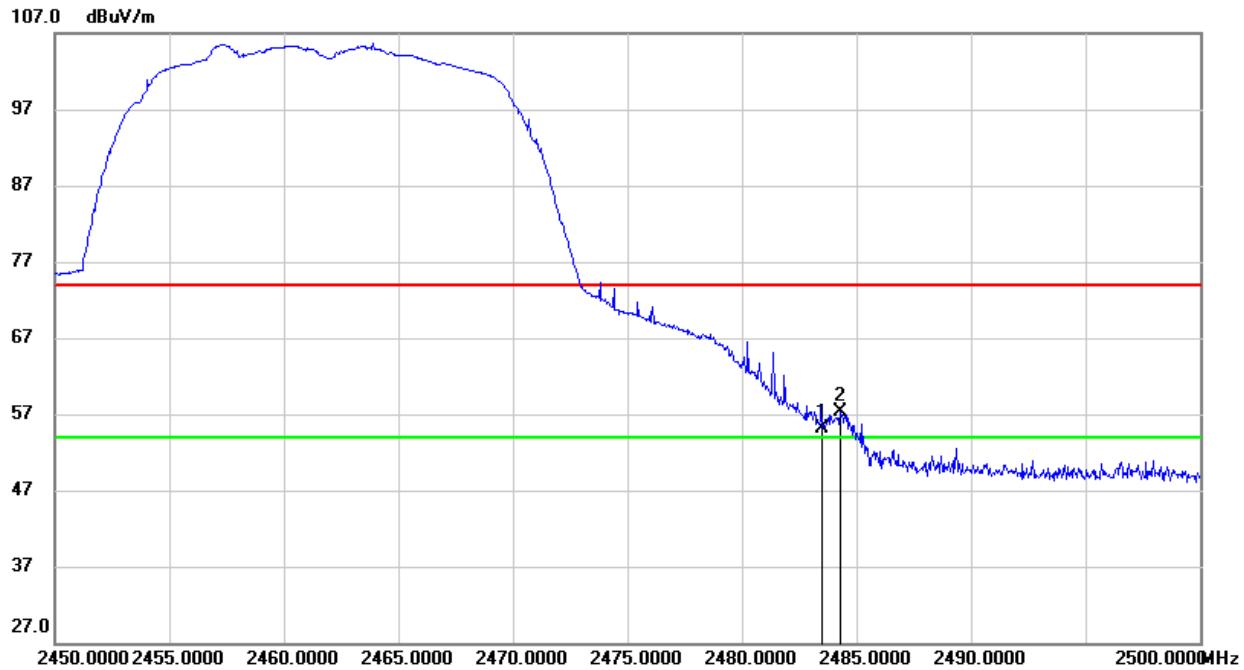
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.005	27.44	32.94	60.38	74.00	-13.62	peak
2	2390.000	27.06	32.94	60.00	74.00	-14.00	peak

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



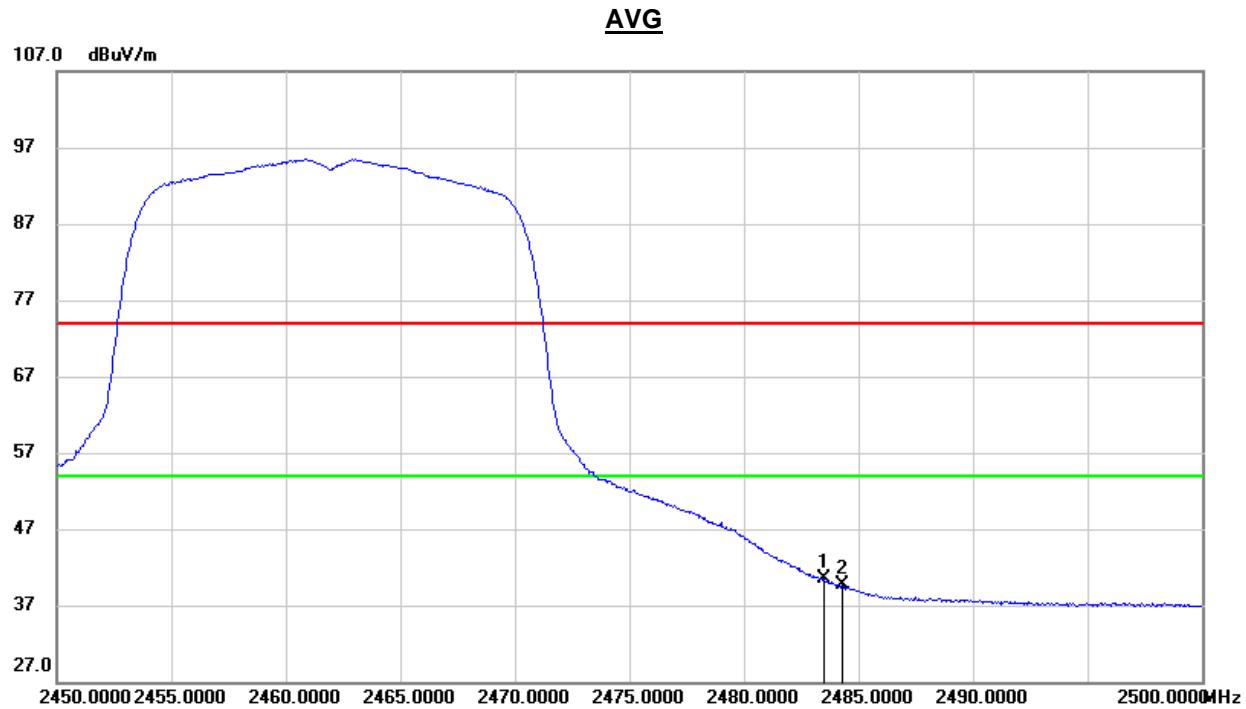
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.005	7.90	32.94	40.84	54.00	-13.16	AVG
2	2390.000	9.61	32.94	42.55	54.00	-11.45	AVG

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.

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	21.58	33.58	55.16	74.00	-18.84	peak
2	2484.300	23.62	33.59	57.21	74.00	-16.79	peak

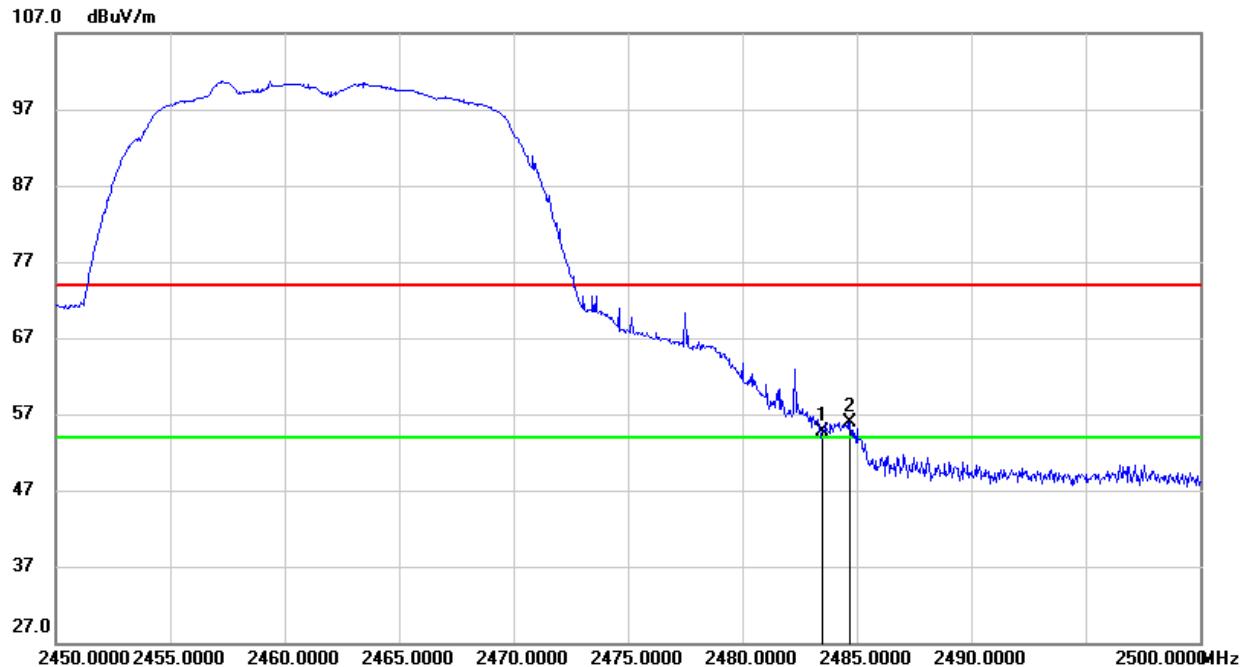
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	6.89	33.58	40.47	54.00	-13.53	AVG
2	2484.300	6.03	33.59	39.62	54.00	-14.38	AVG

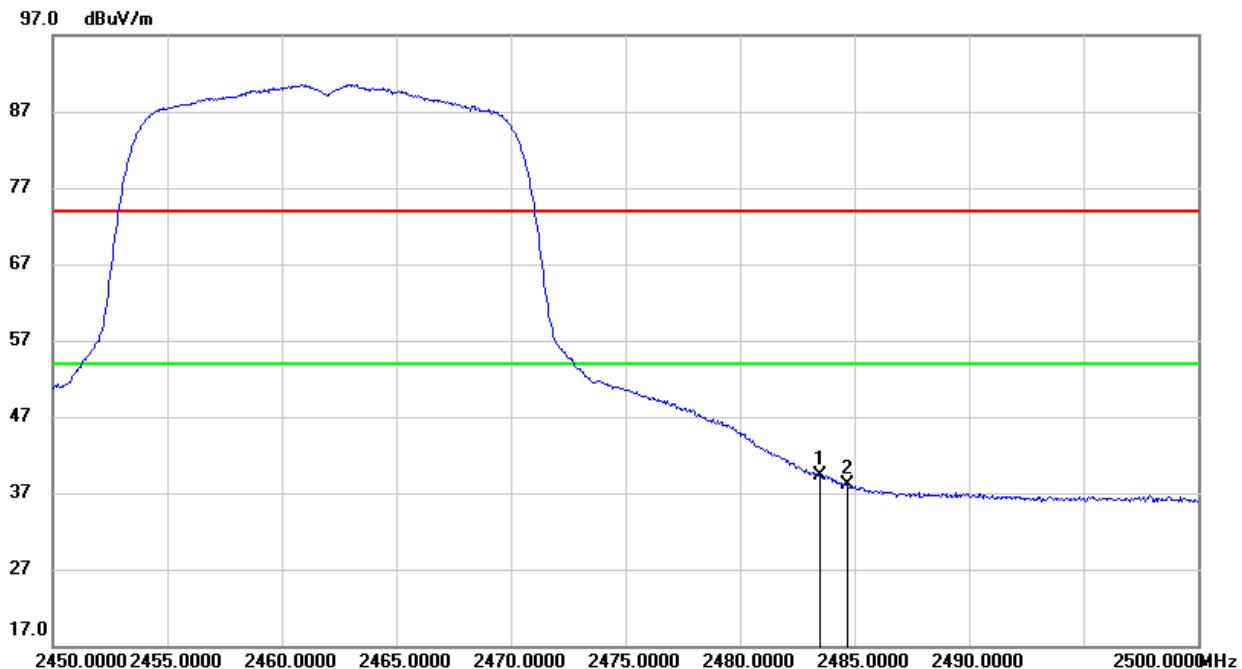
Note:

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:  $VBW=1/T_{on}$  where:  $T_{on}$  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.

**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)****PEAK**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	21.15	33.58	54.73	74.00	-19.27	peak
2	2484.700	22.32	33.59	55.91	74.00	-18.09	peak

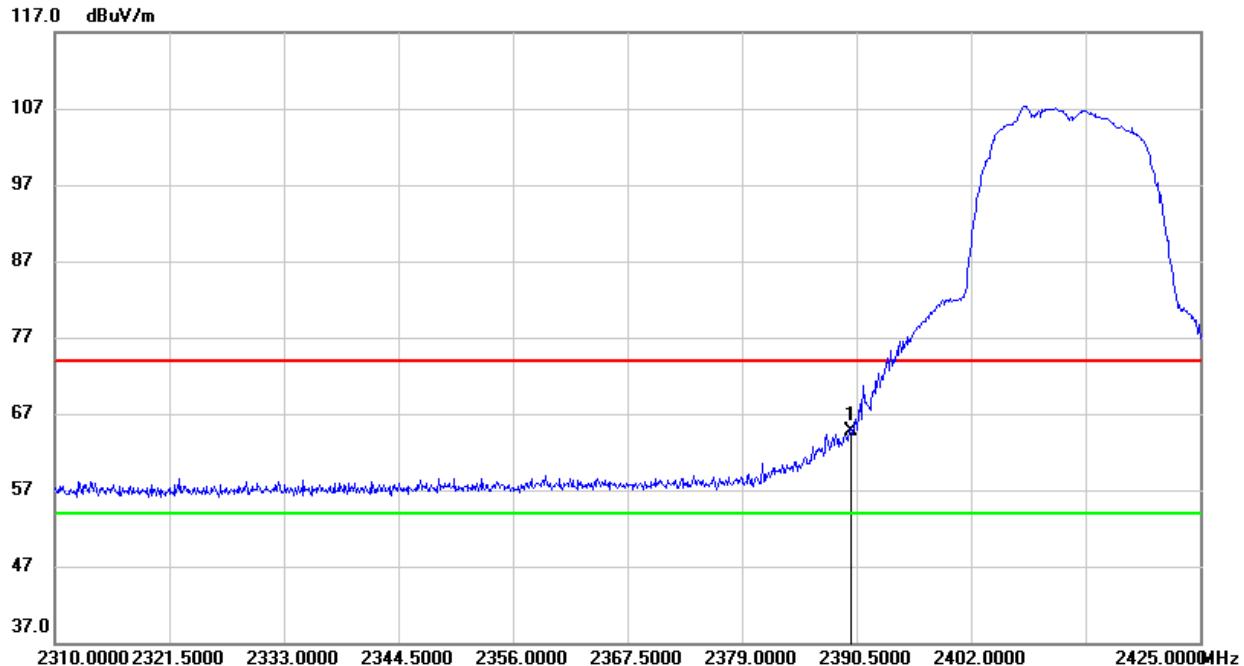
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	5.64	33.58	39.22	54.00	-14.78	AVG
2	2484.700	4.43	33.59	38.02	54.00	-15.98	AVG

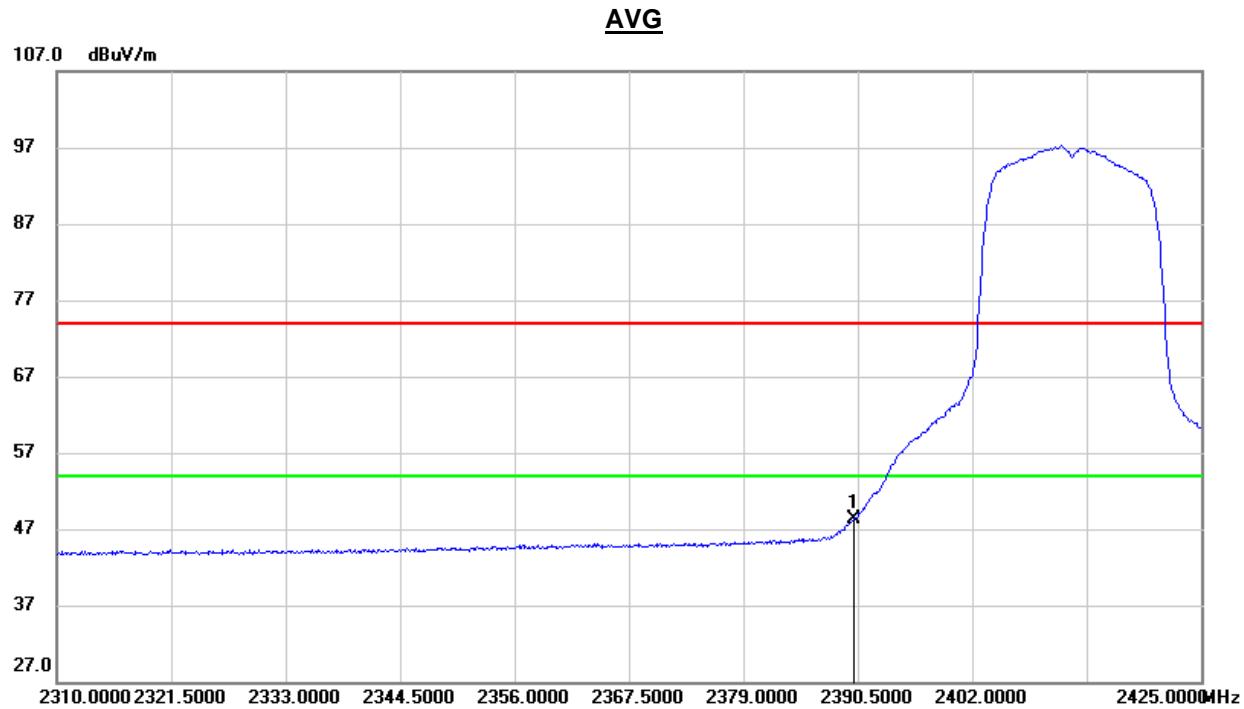
Note:

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.

1TX MODE ANT1 WCT5H-20 (WORST-CASE CONFIGURATION)RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)PEAK

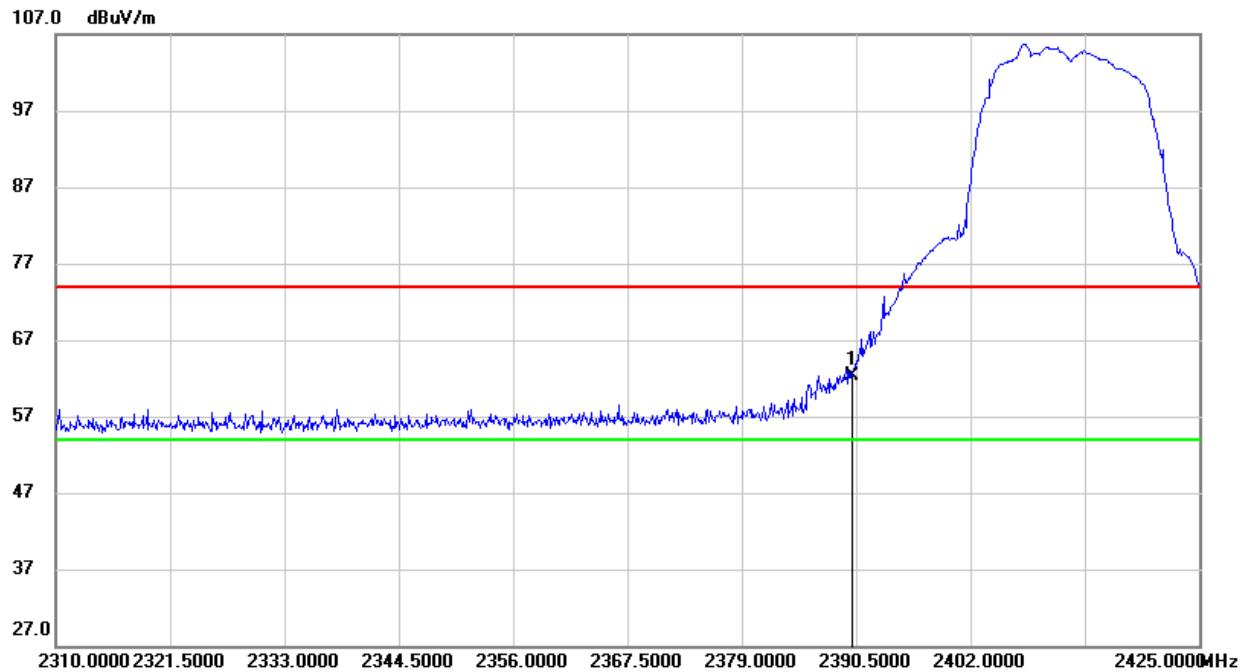
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	31.86	32.94	64.80	74.00	-9.20	peak

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. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



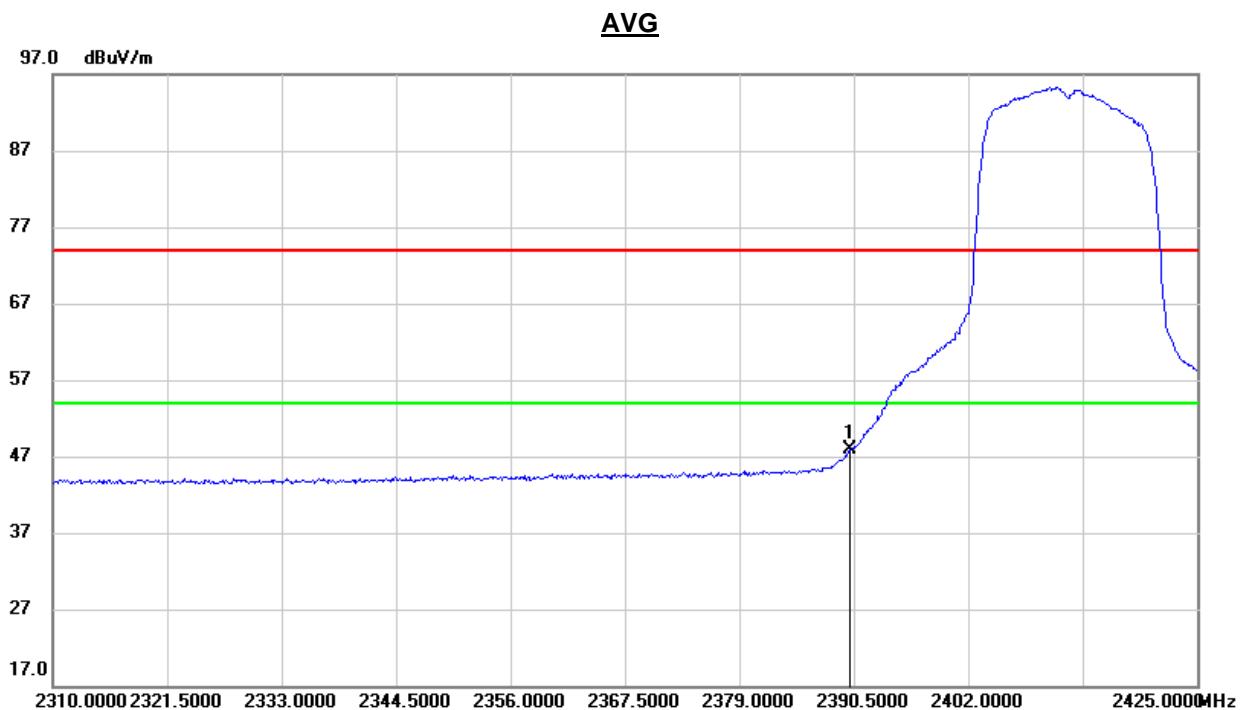
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	15.30	32.94	48.24	54.00	-5.76	AVG

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.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)PEAK

No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	2390.000	29.37	32.94	62.31	74.00	-11.69	peak

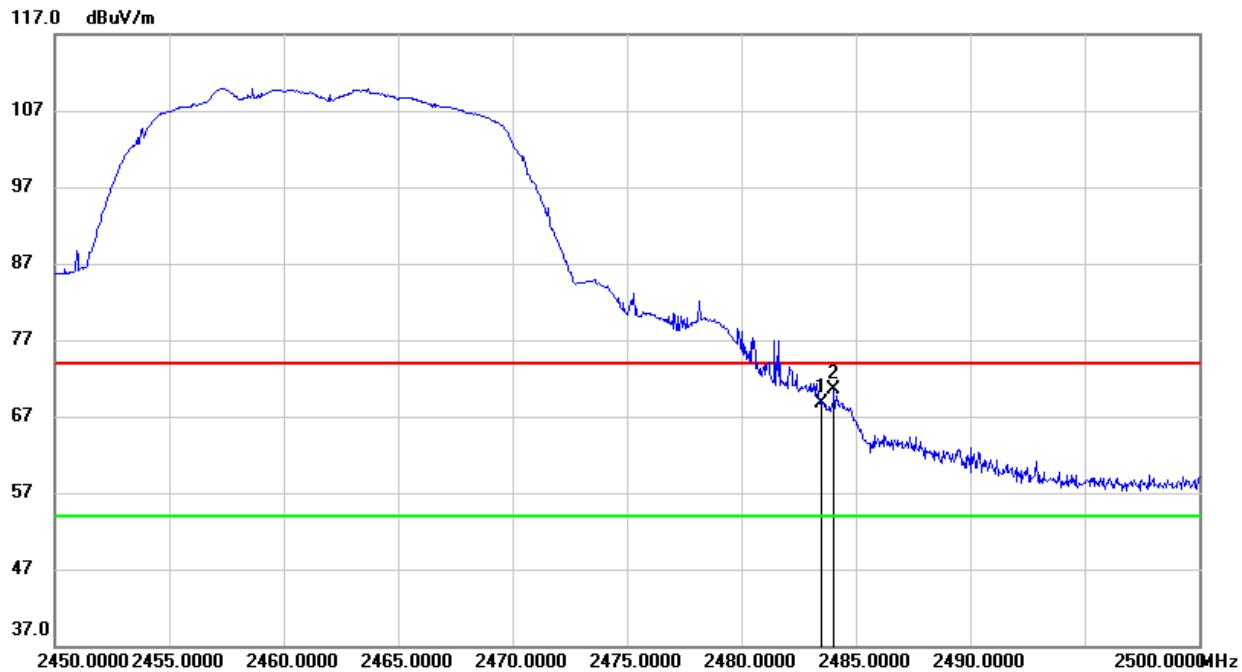
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	14.89	32.94	47.83	54.00	-6.17	AVG

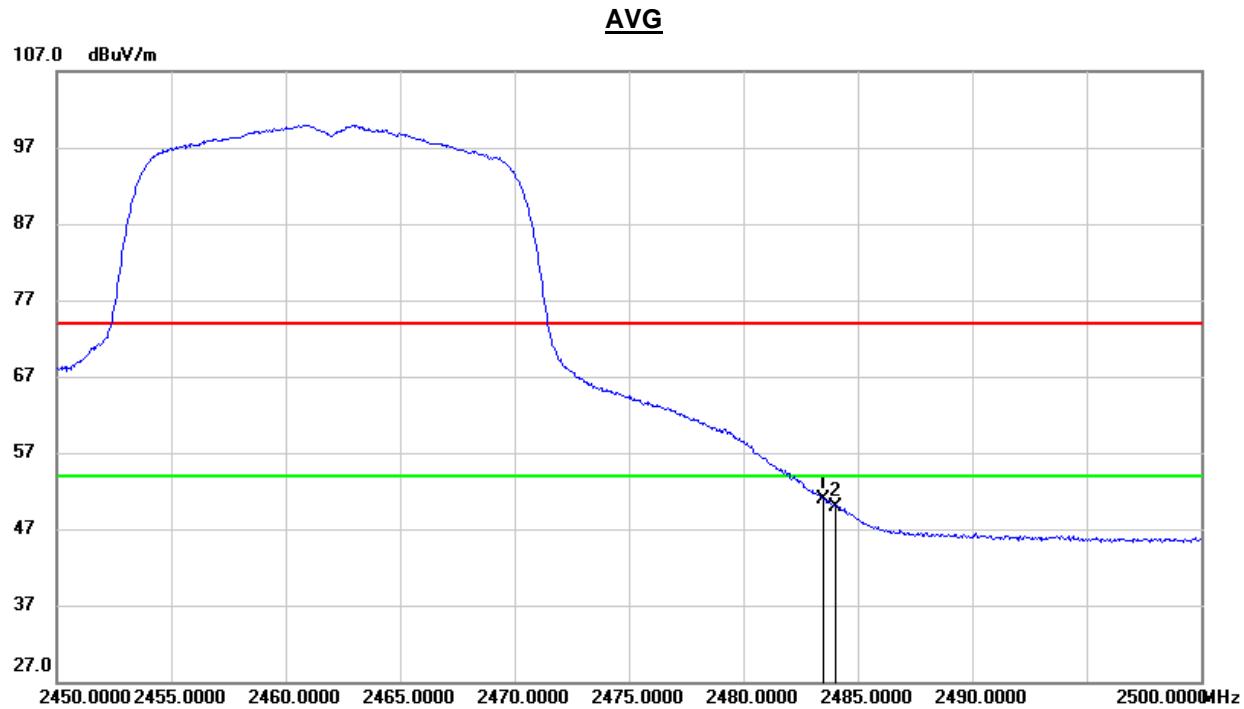
Note:

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.

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	35.03	33.58	68.61	74.00	-5.39	peak
2	2484.050	36.87	33.58	70.45	74.00	-3.55	peak

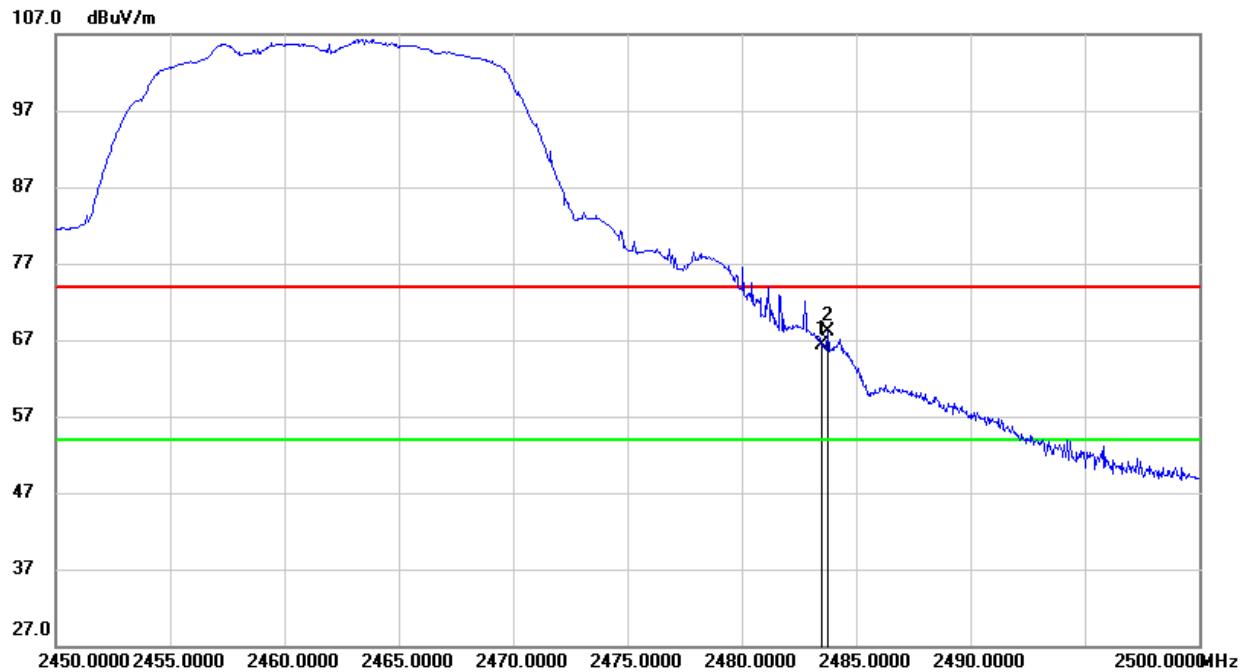
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	17.36	33.58	50.94	54.00	-3.06	AVG
2	2484.050	16.25	33.58	49.83	54.00	-4.17	AVG

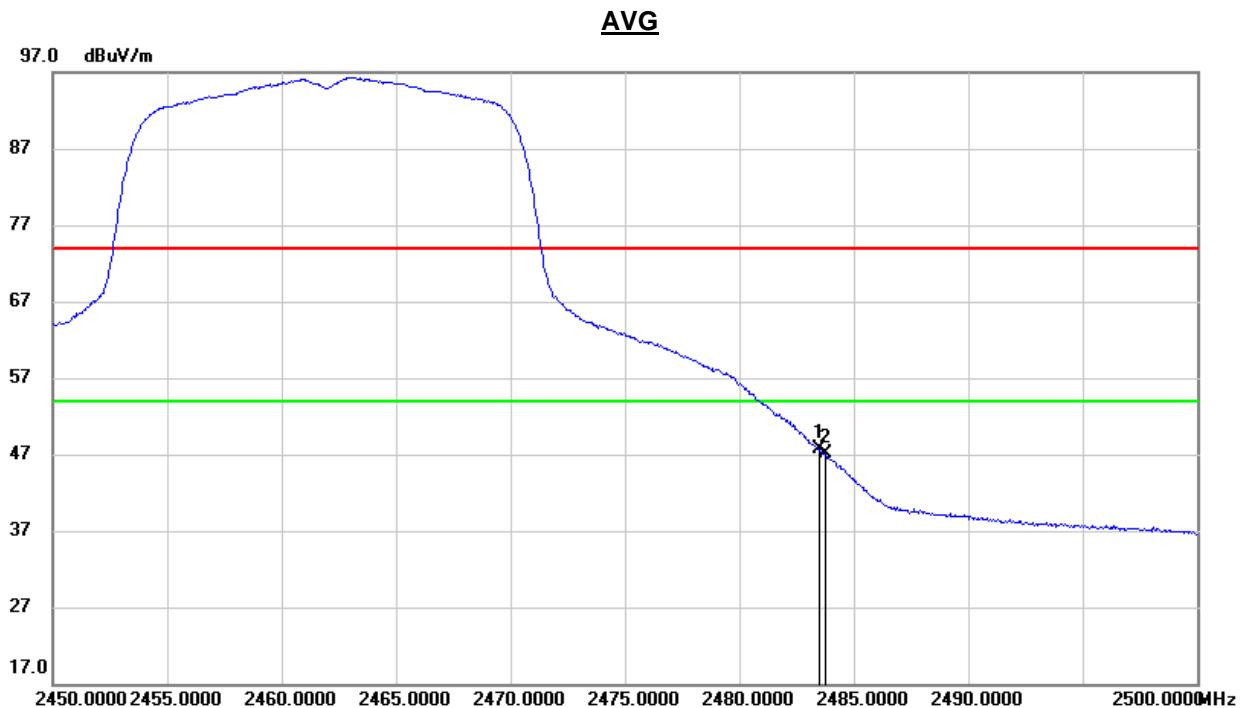
Note:

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.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)PEAK

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	32.76	33.58	66.34	74.00	-7.66	peak
2	2483.750	34.47	33.58	68.05	74.00	-5.95	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.



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	14.12	33.58	47.70	54.00	-6.30	AVG
2	2483.750	13.44	33.58	47.02	54.00	-6.98	AVG

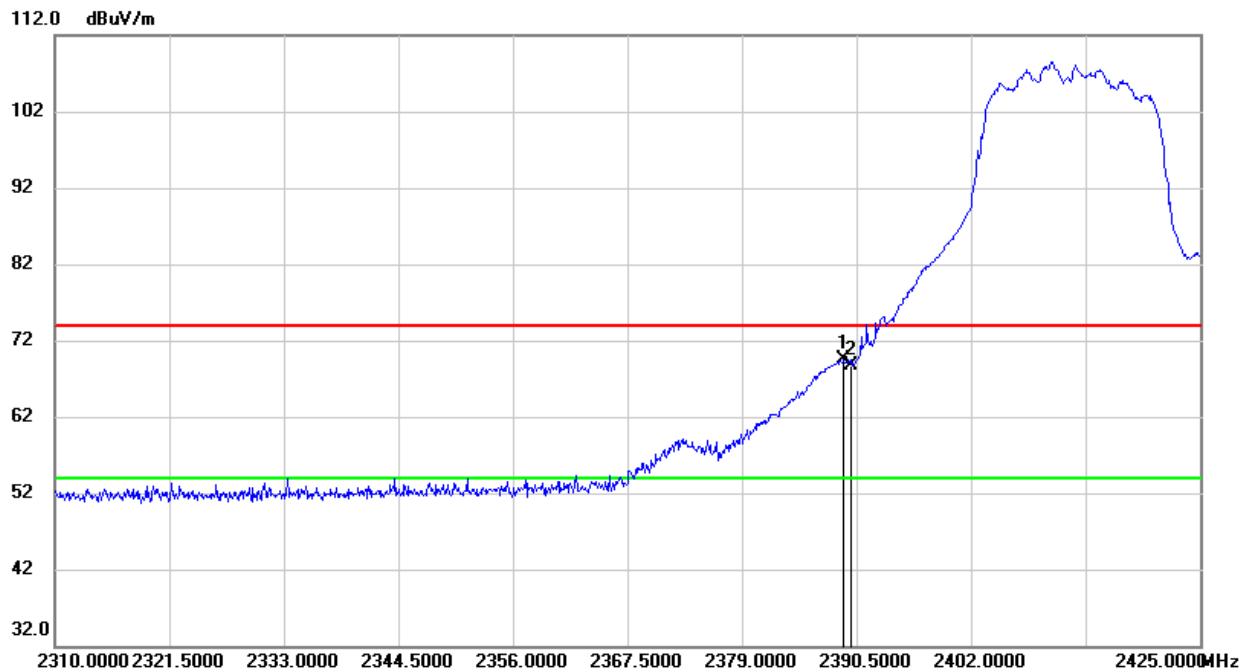
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. AVG:  $VBW=1/Ton$  where: ton is transmit duration.  
4. For transmit duration, please refer to clause 7.1.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

### 7.7.3. 802.11n HT20 MIMO MODE

#### 2TX MODE ANT WCT5J-20 (WORST-CASE CONFIGURATION)

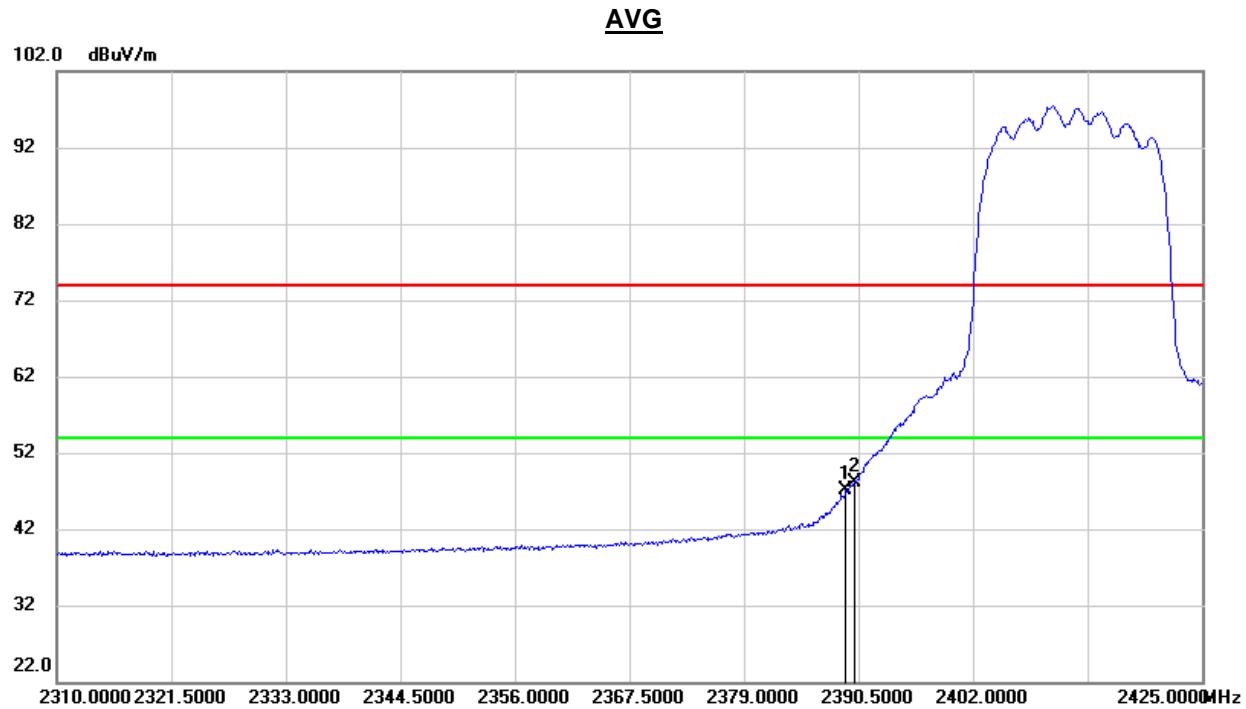
#### RESTRICTED BANDEdge (LOW CHANNEL, HORIZONTAL)

##### PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.235	36.58	32.94	69.52	74.00	-4.48	peak
2	2390.000	35.80	32.94	68.74	74.00	-5.26	peak

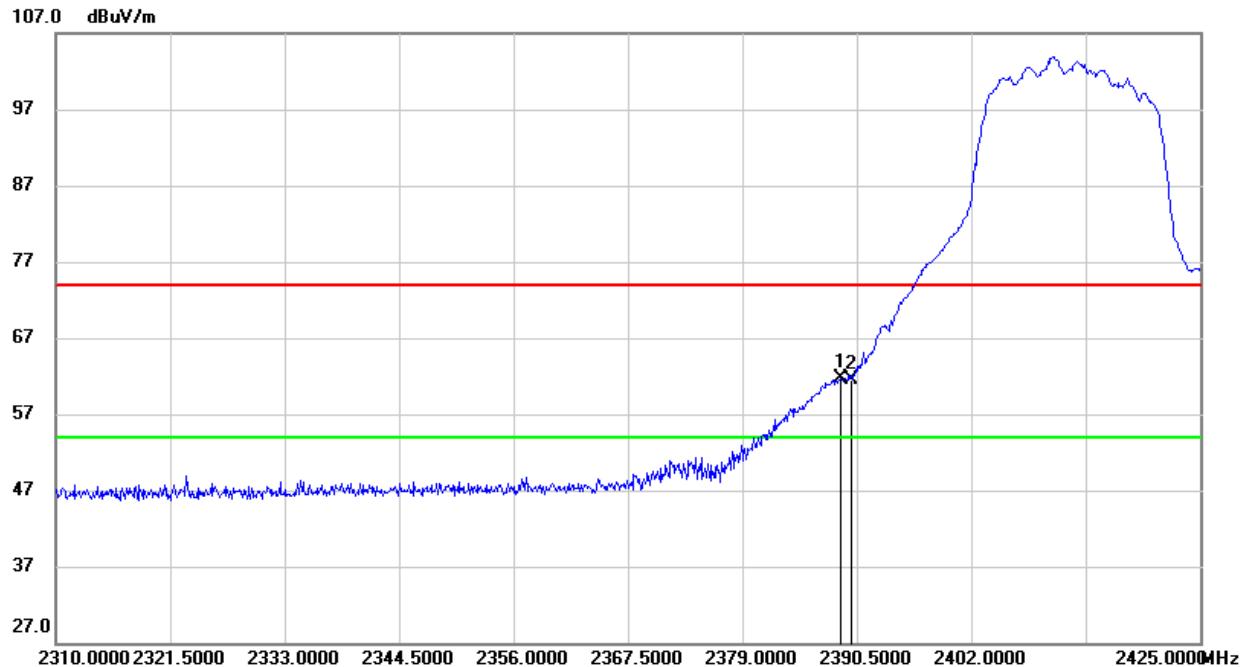
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.235	14.13	32.94	47.07	54.00	-6.93	AVG
2	2390.000	15.15	32.94	48.09	54.00	-5.91	AVG

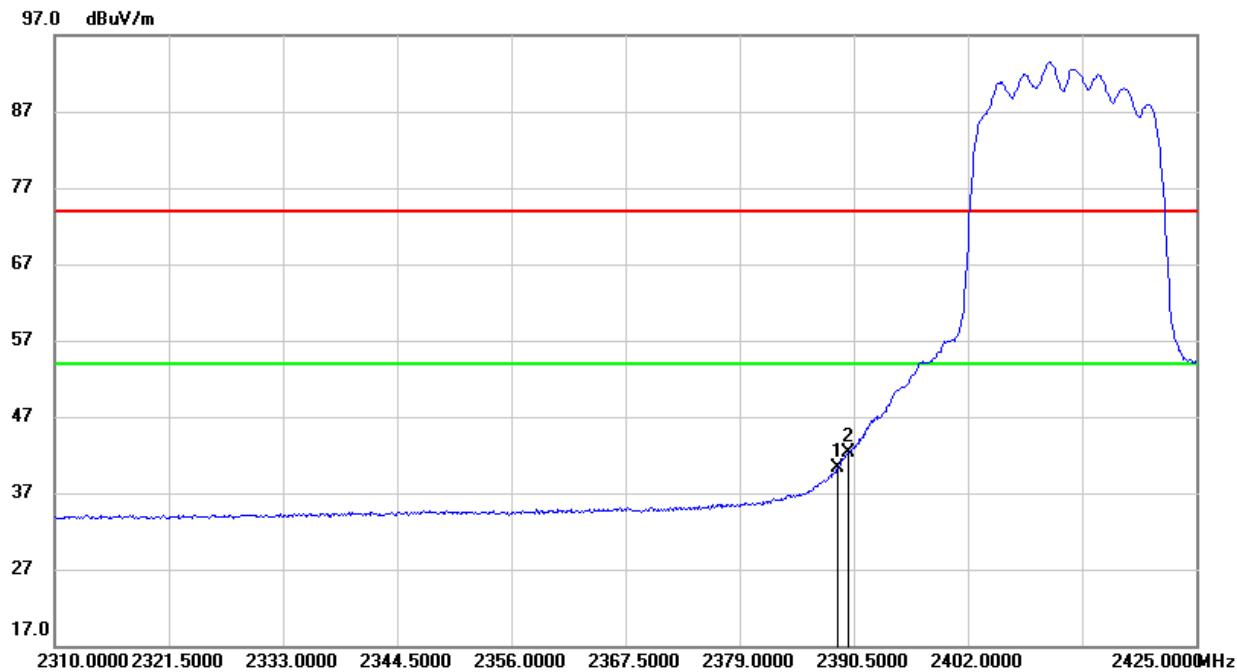
Note:

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.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)PEAK

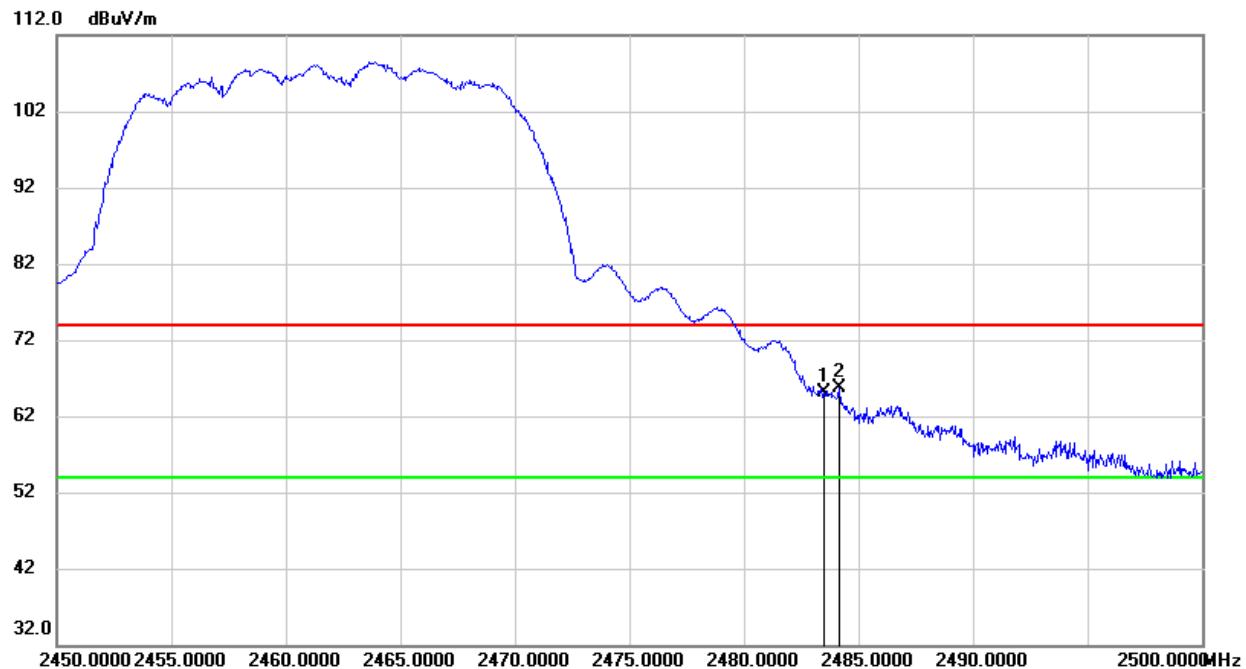
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.890	28.75	32.94	61.69	74.00	-12.31	peak
2	2390.000	28.52	32.94	61.46	74.00	-12.54	peak

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. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

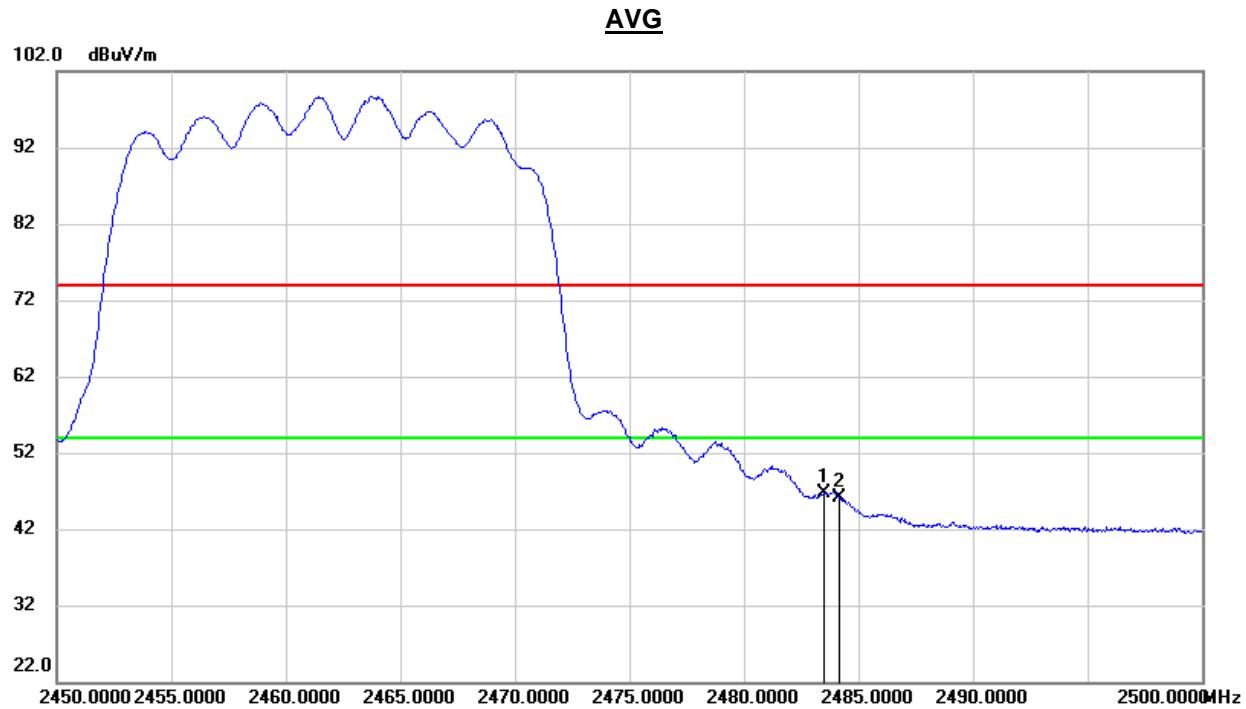
No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	2388.890	7.44	32.94	40.38	54.00	-13.62	AVG
2	2390.000	9.36	32.94	42.30	54.00	-11.70	AVG

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.

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	31.59	33.58	65.17	74.00	-8.83	peak
2	2484.150	32.06	33.58	65.64	74.00	-8.36	peak

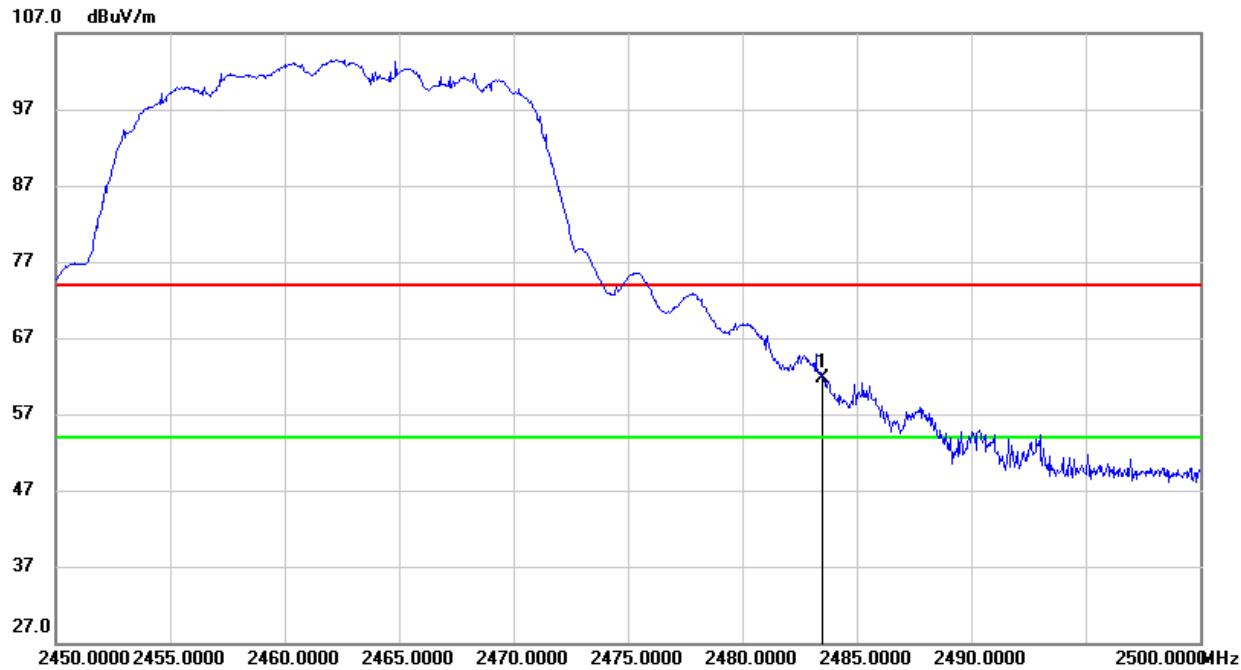
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	13.20	33.58	46.78	54.00	-7.22	AVG
2	2484.150	12.48	33.58	46.06	54.00	-7.94	AVG

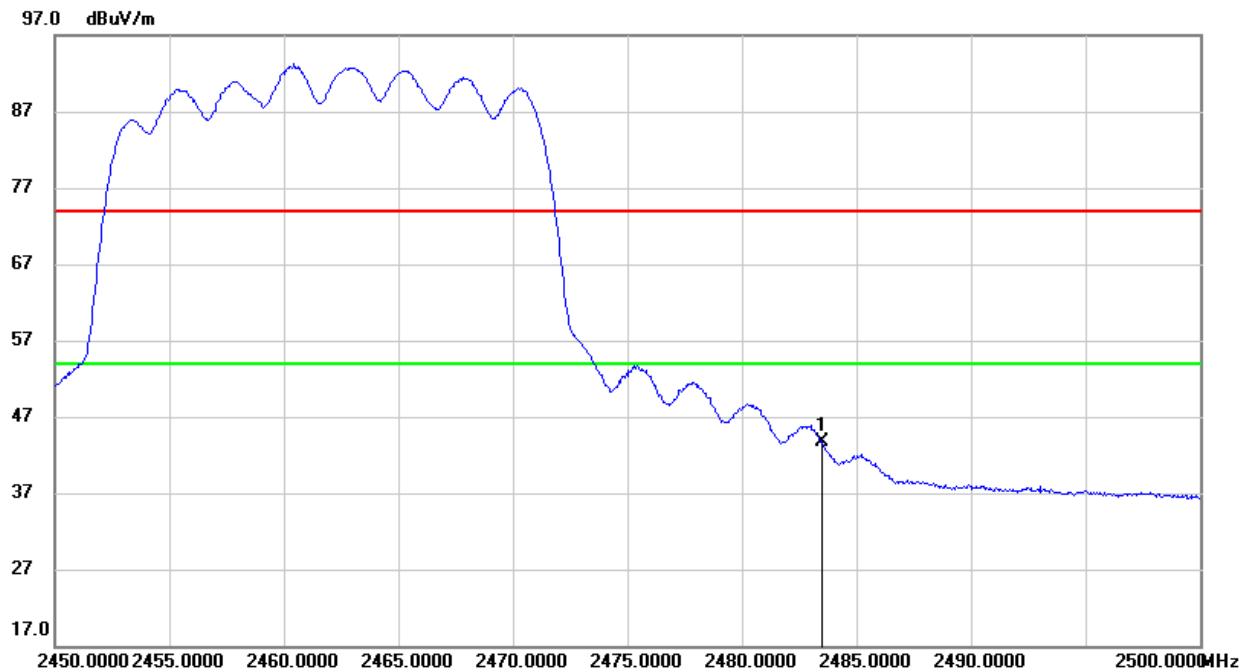
Note:

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.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)PEAK

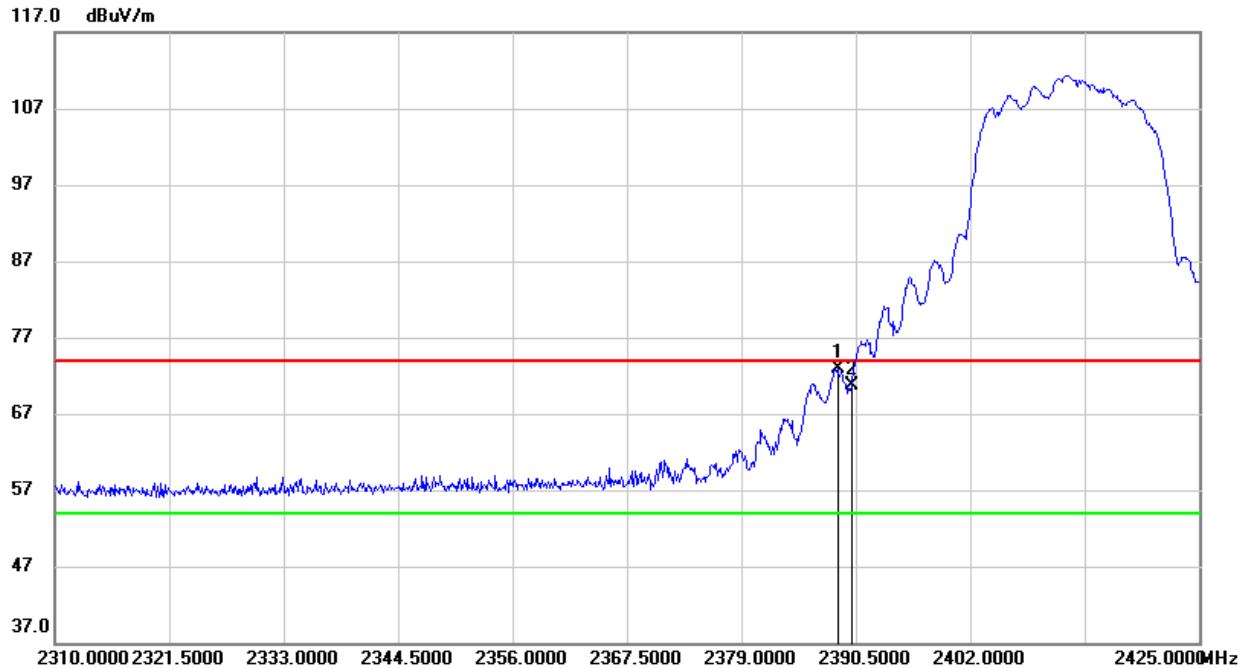
No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	2483.500	28.13	33.58	61.71	74.00	-12.29	peak

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. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	10.05	33.58	43.63	54.00	-10.37	AVG

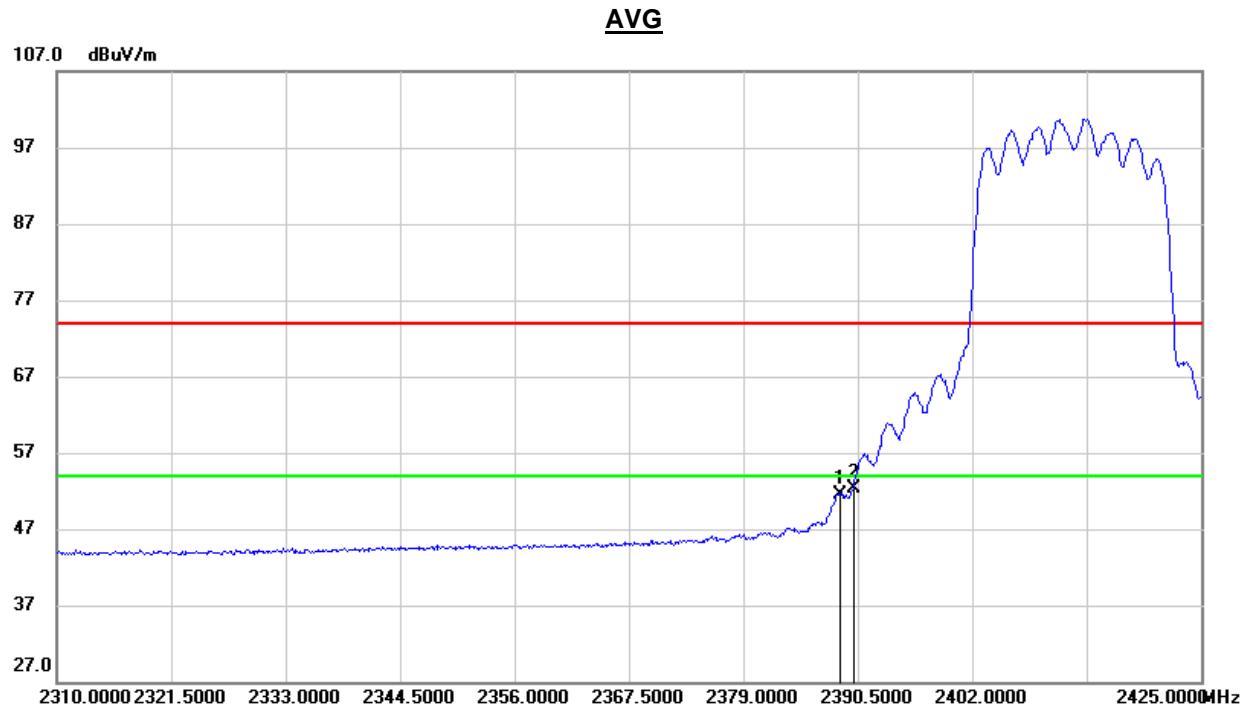
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. AVG: VBW=1/Ton where: ton is transmit duration.  
4. For transmit duration, please refer to clause 7.1.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

2TX MODE ANT WCT5H-20 (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	40.05	32.94	72.99	74.00	-1.01	peak
2	2390.000	37.75	32.94	70.69	74.00	-3.31	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.



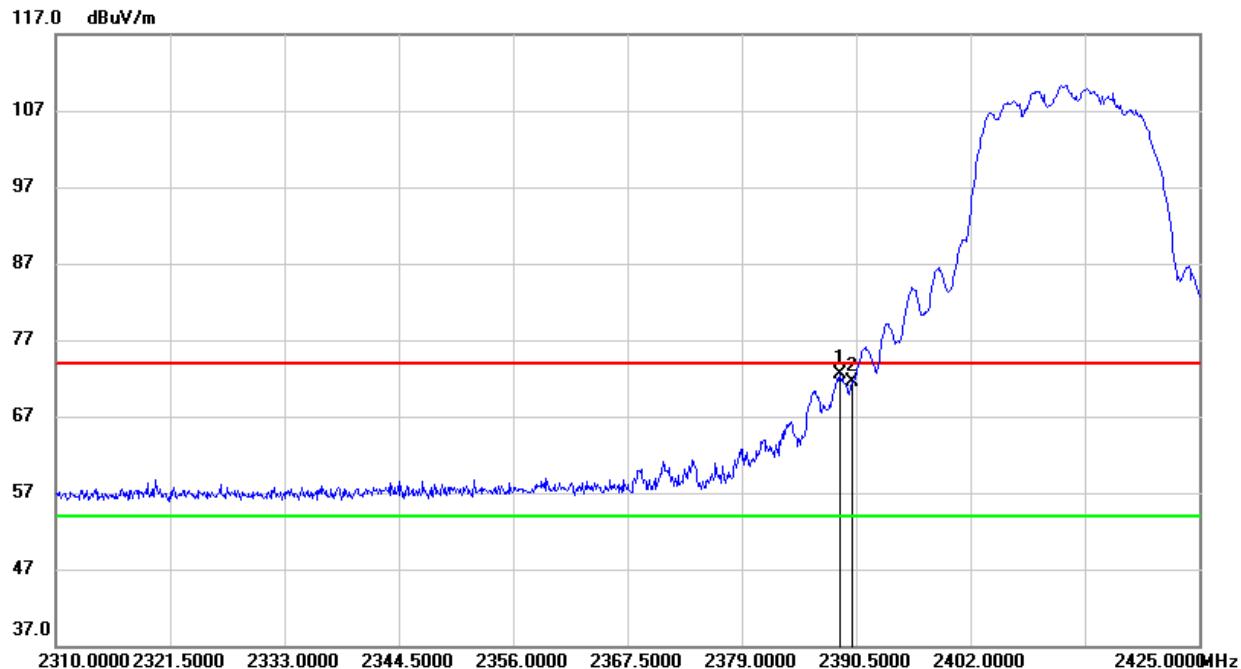
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.660	18.66	32.94	51.60	54.00	-2.40	AVG
2	2390.000	19.41	32.94	52.35	54.00	-1.65	AVG

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.

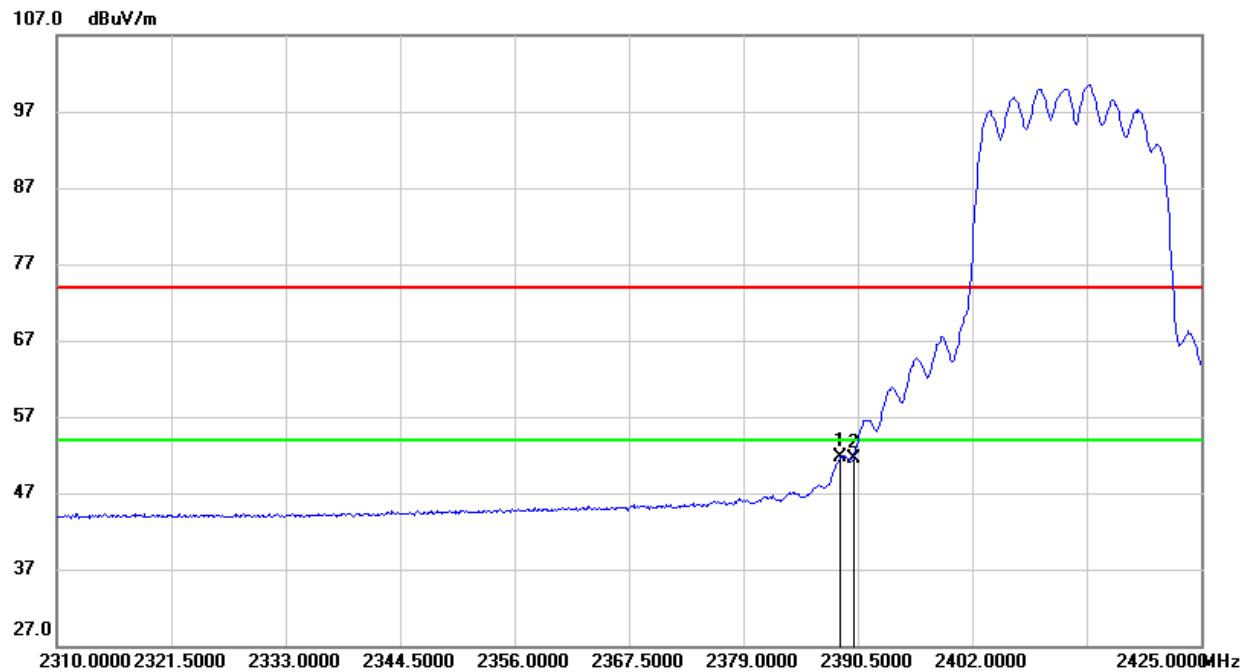
## **RESTRICTED BANEDGE (LOW CHANNEL, VERTICAL)**

## PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.890	39.59	32.94	72.53	74.00	-1.47	peak
2	2390.000	38.47	32.94	71.41	74.00	-2.59	peak

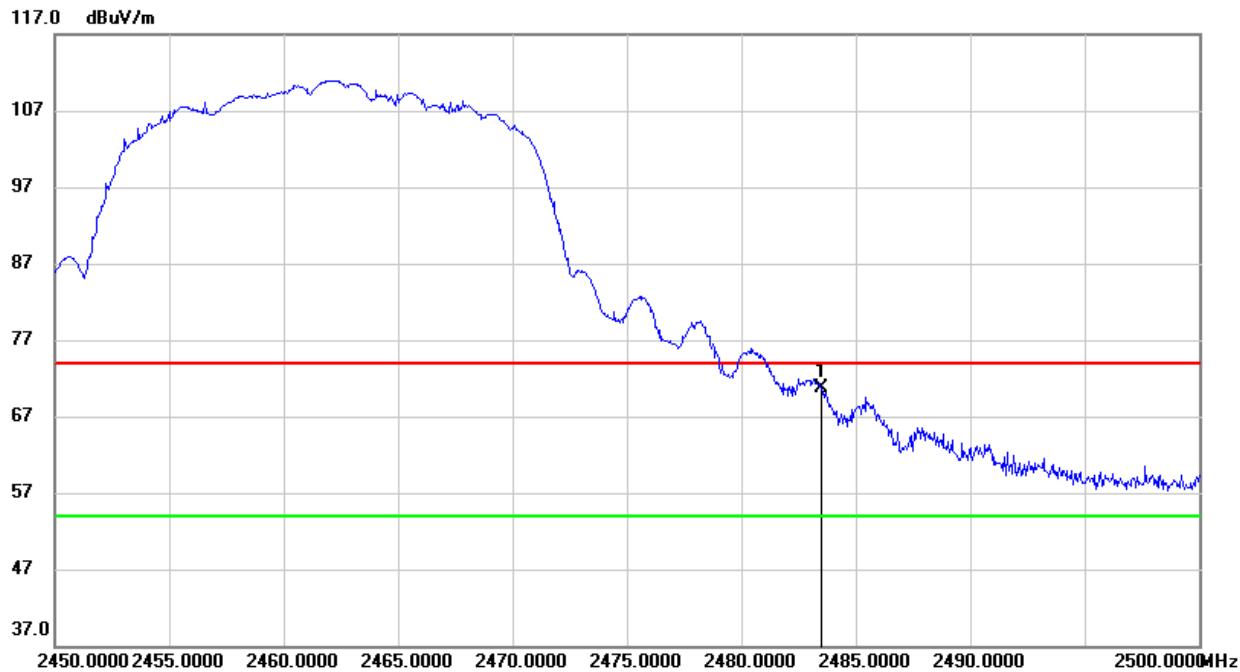
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.890	18.77	32.94	51.71	54.00	-2.29	AVG
2	2390.000	18.57	32.94	51.51	54.00	-2.49	AVG

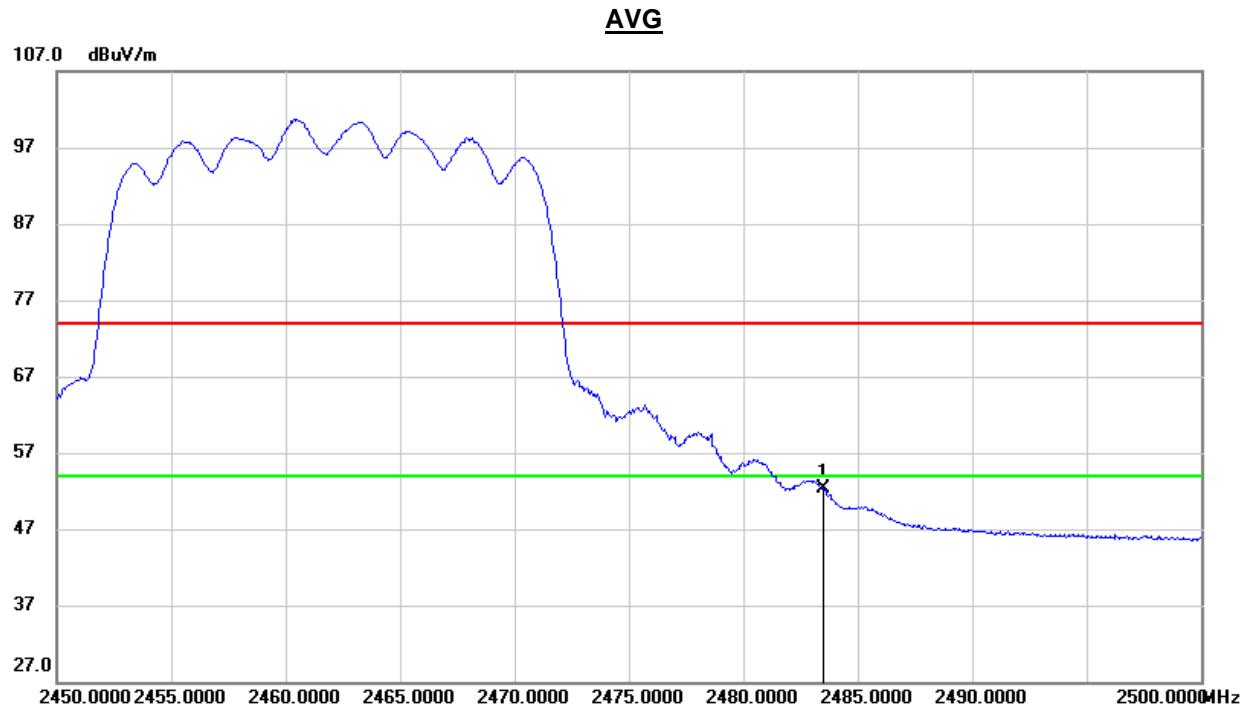
Note:

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.

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)PEAK

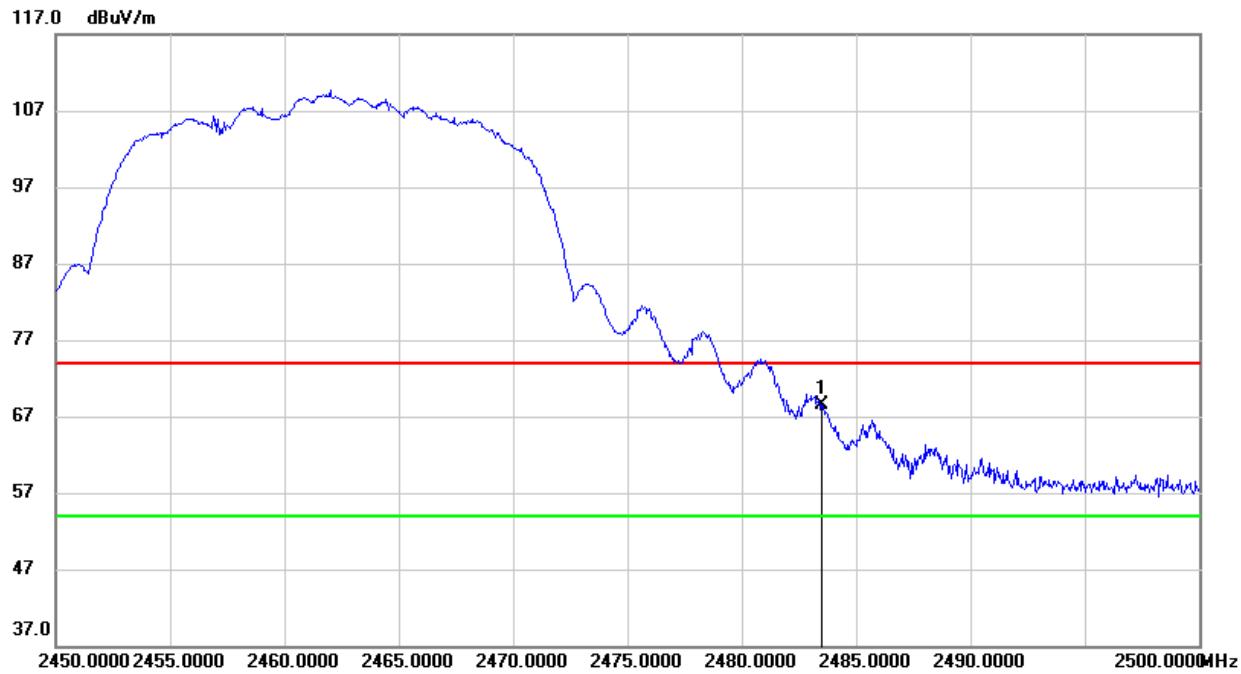
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	37.12	33.58	70.70	74.00	-3.30	peak

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.



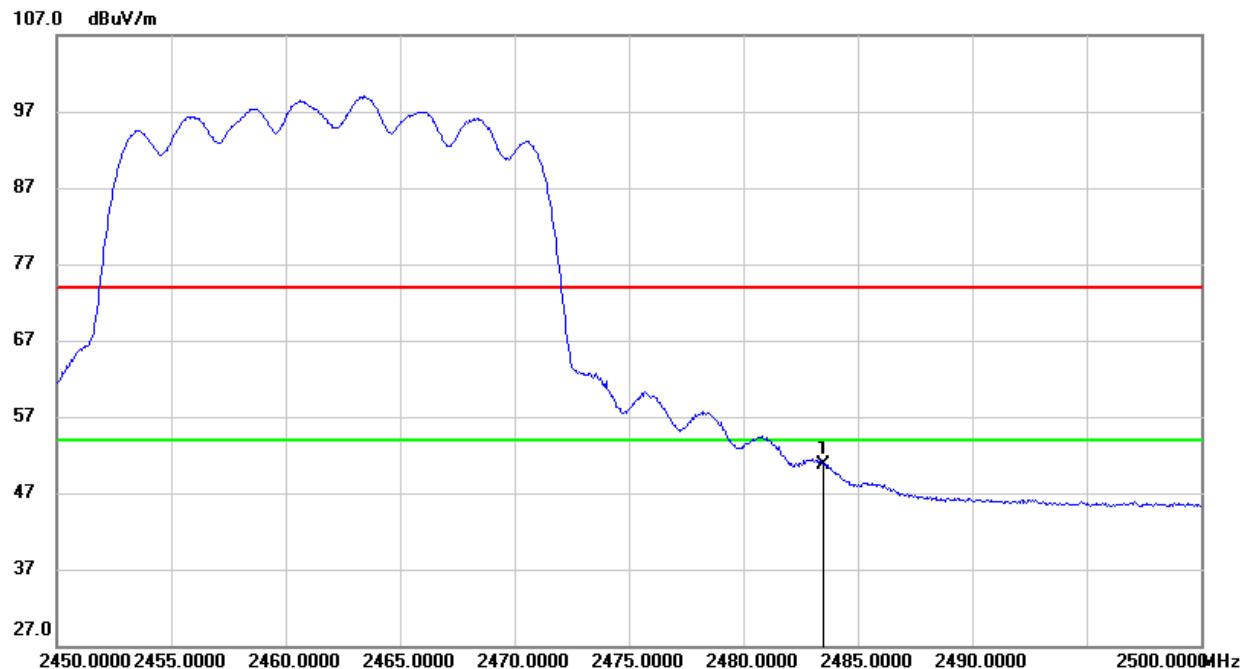
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	18.75	33.58	52.33	54.00	-1.67	AVG

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.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)PEAK

No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	2483.500	34.89	33.58	68.47	74.00	-5.53	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. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

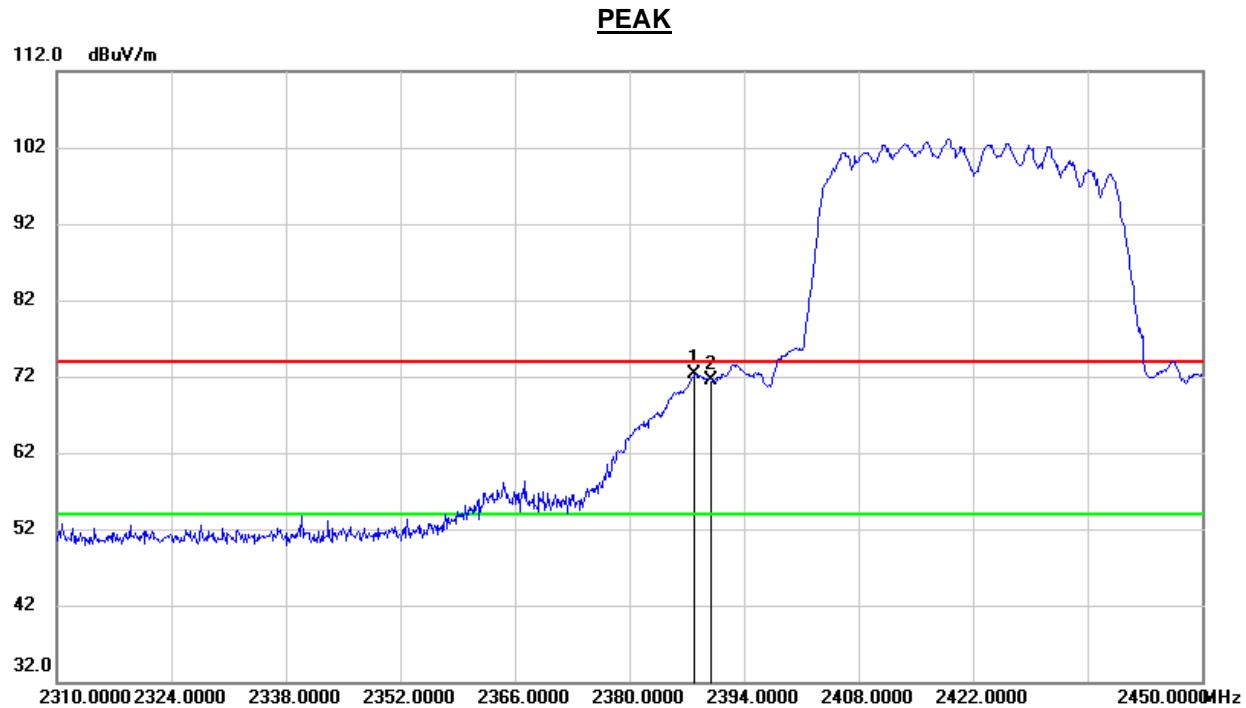
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	17.13	33.58	50.71	54.00	-3.29	AVG

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.

#### 7.7.4. 802.11n HT40 MIMO MODE

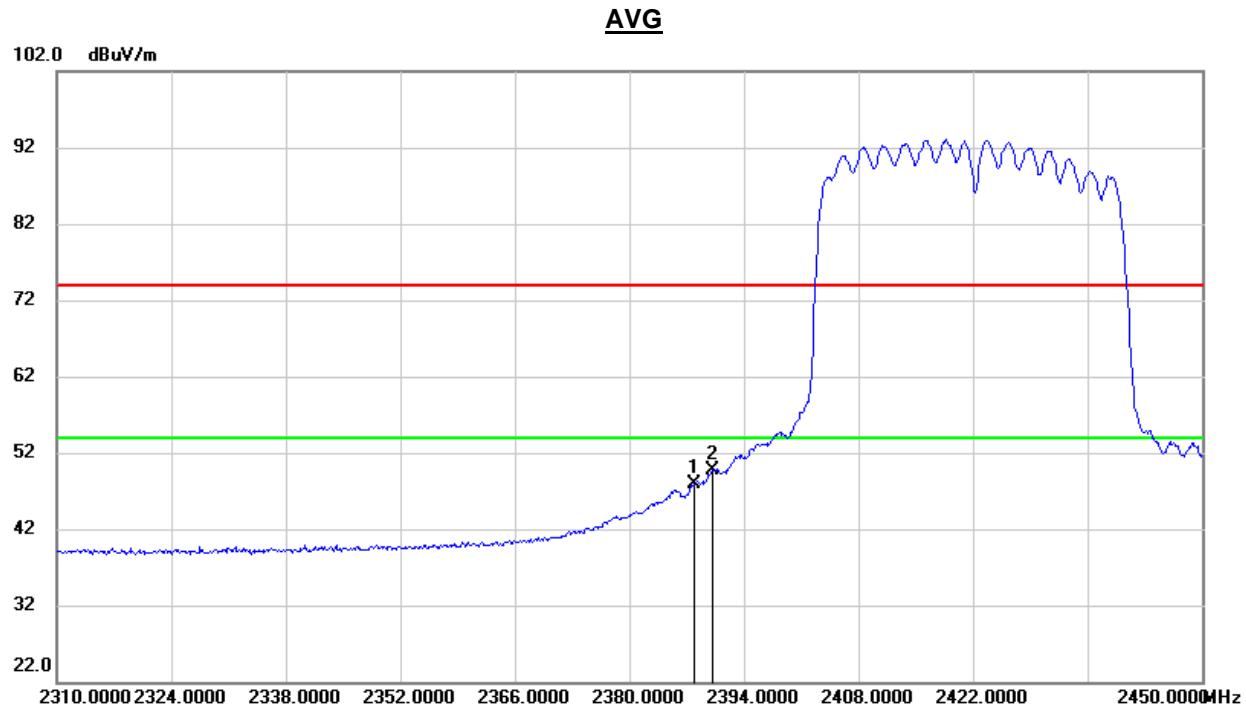
##### 2TX MODE FOR ANT WCT5J-20 (WORST-CASE CONFIGURATION)

##### RESTRICTED BANDEdge (LOW CHANNEL, HORIZONTAL)



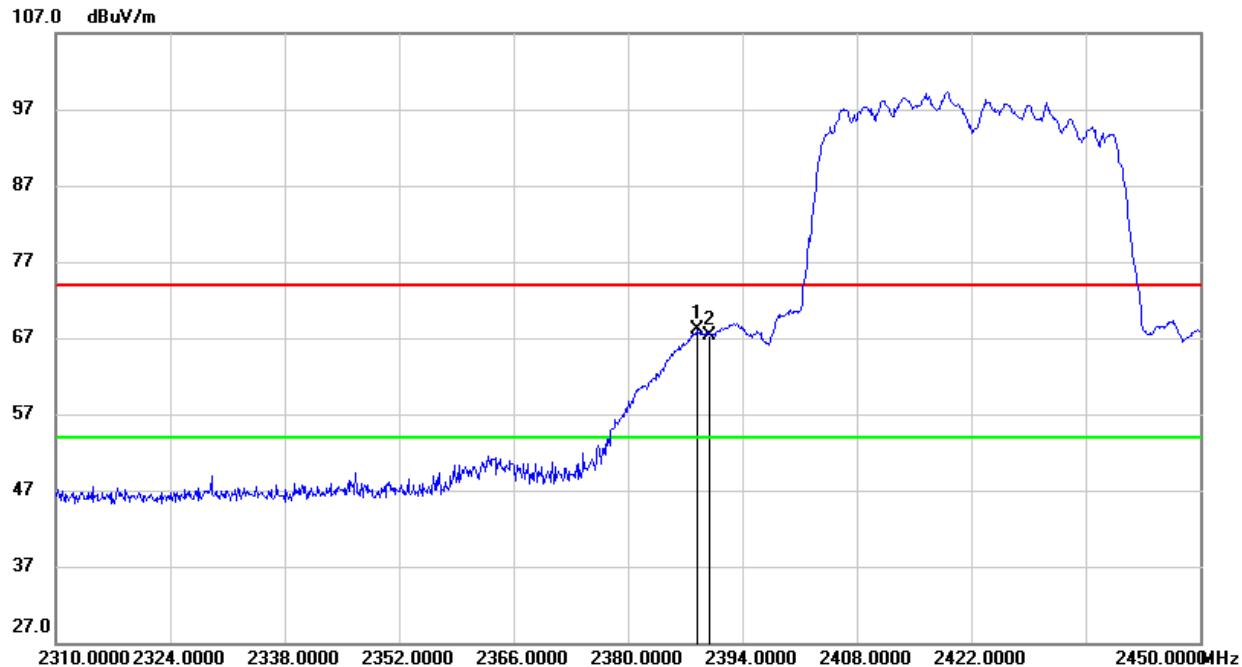
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.980	39.34	32.94	72.28	74.00	-1.72	peak
2	2390.000	38.50	32.94	71.44	74.00	-2.56	peak

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. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



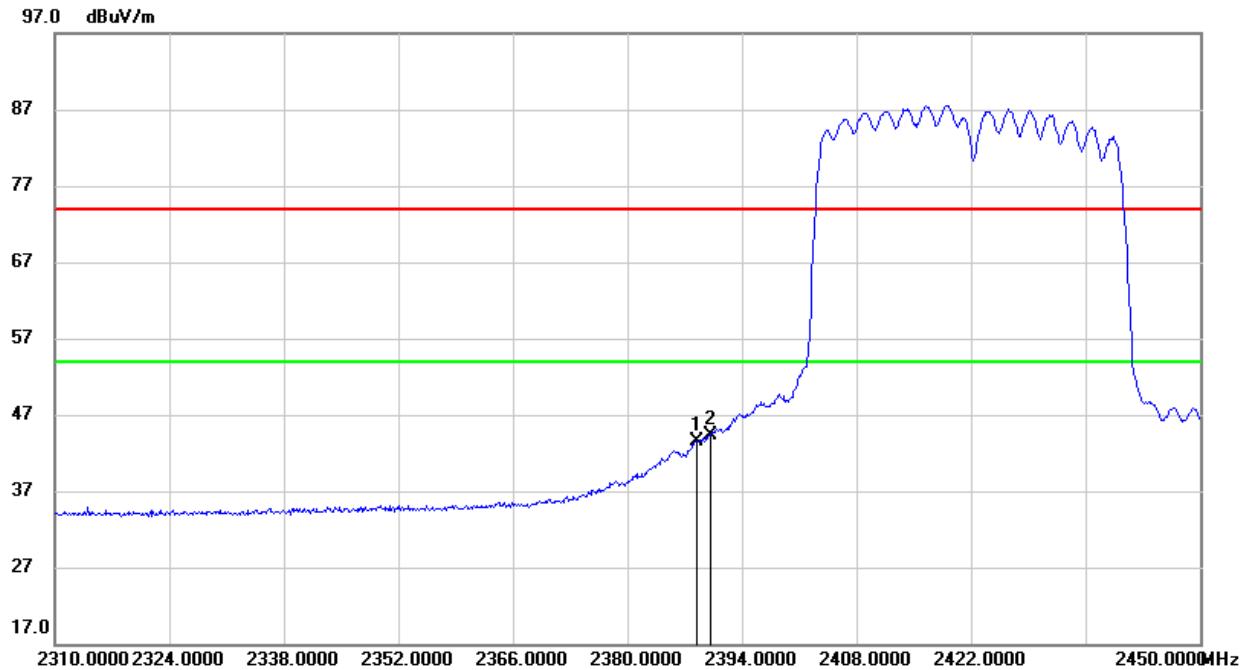
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.980	15.01	32.94	47.95	54.00	-6.05	AVG
2	2390.000	16.68	32.94	49.62	54.00	-4.38	AVG

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

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)PEAK

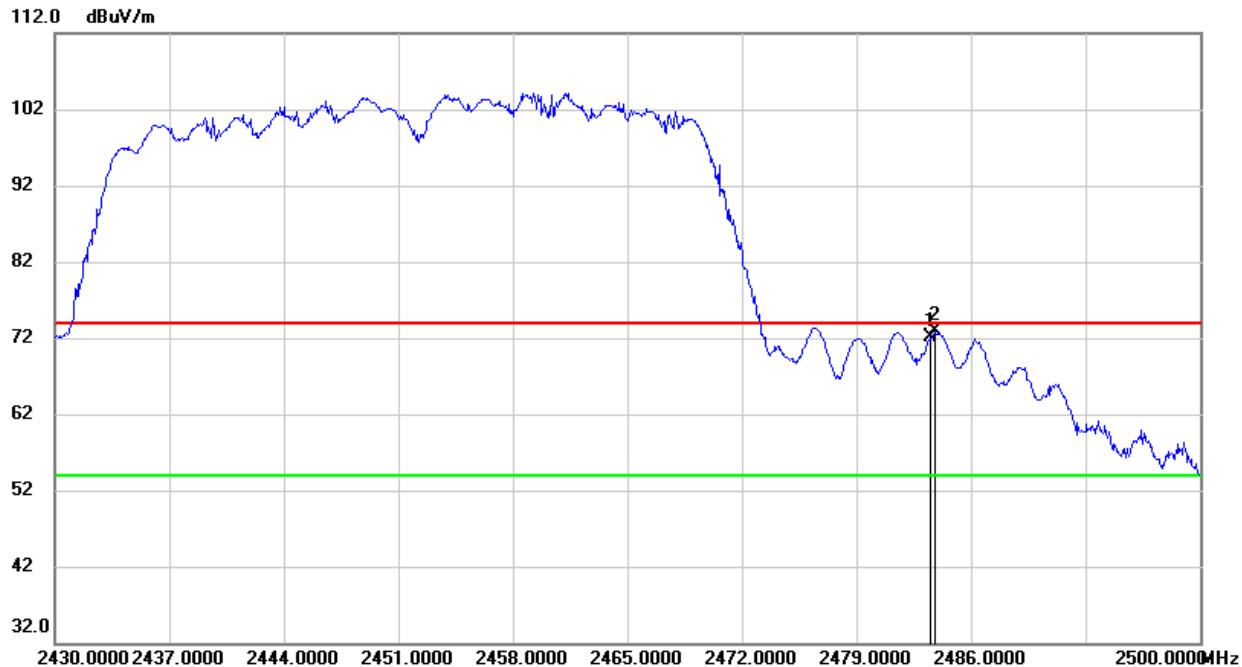
No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	2388.400	35.09	32.94	68.03	74.00	-5.97	peak
2	2390.000	34.27	32.94	67.21	74.00	-6.79	peak

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

AVG

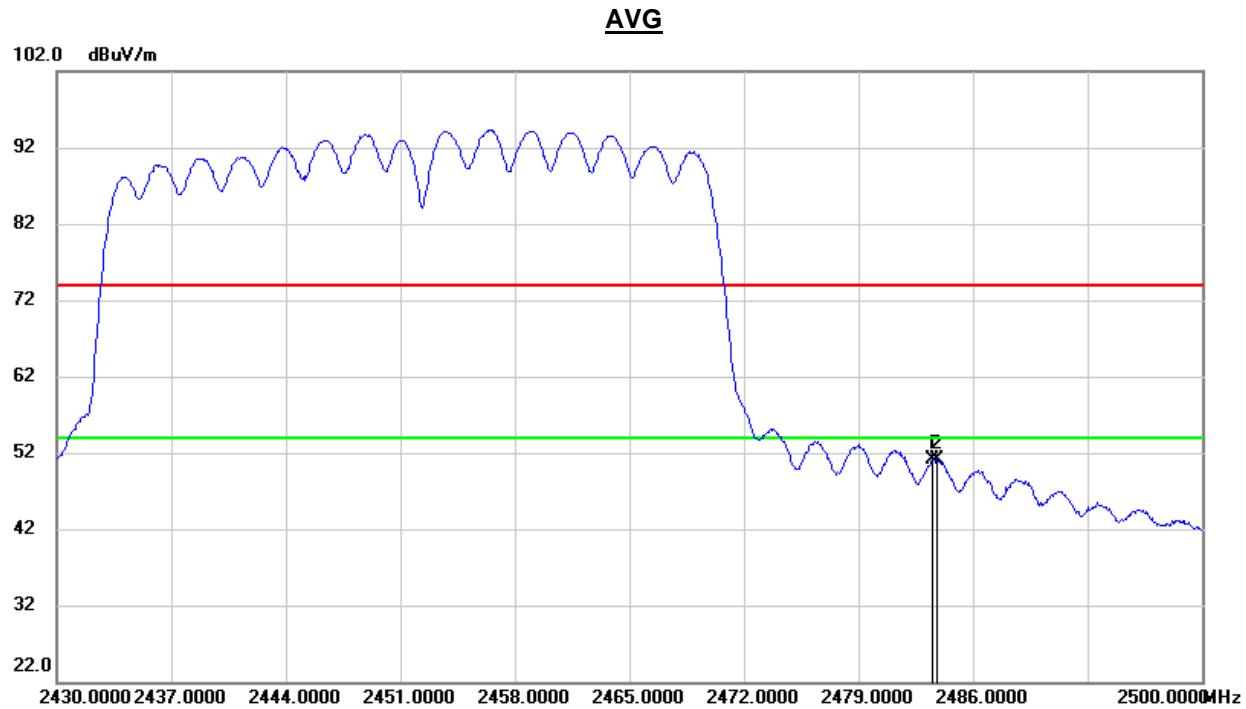
No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	2388.400	10.53	32.94	43.47	54.00	-10.53	AVG
2	2390.000	11.29	32.94	44.23	54.00	-9.77	AVG

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

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)PEAK

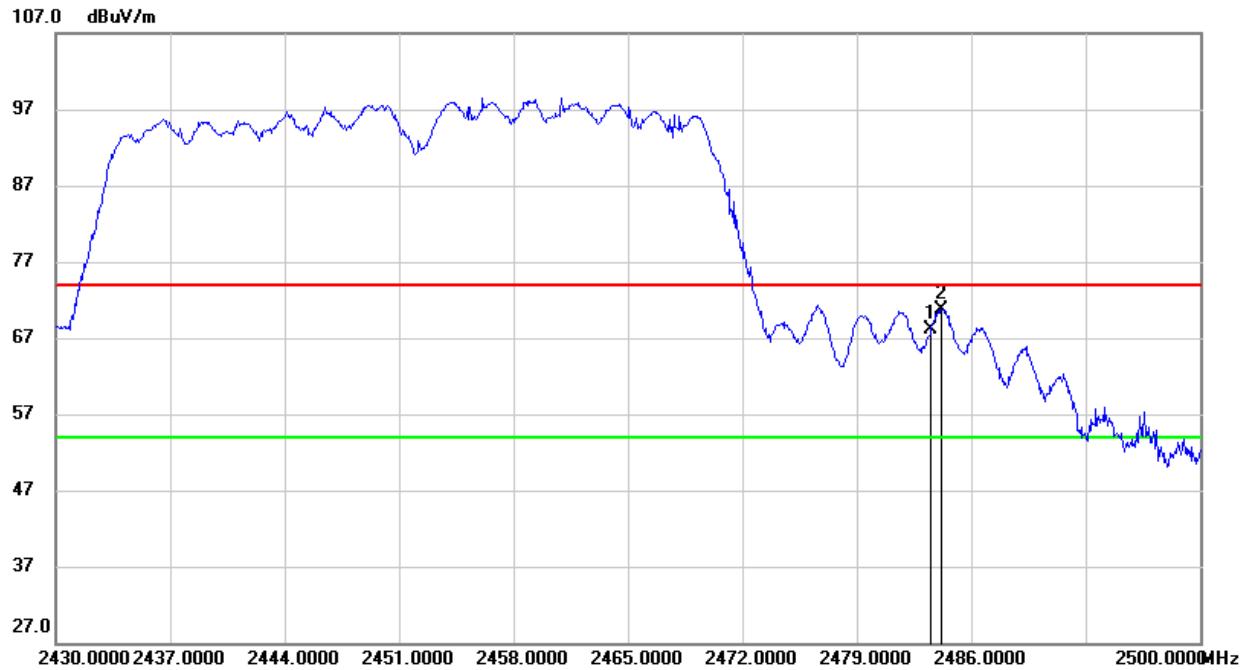
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	38.55	33.58	72.13	74.00	-1.87	peak
2	2483.830	39.27	33.58	72.85	74.00	-1.15	peak

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.



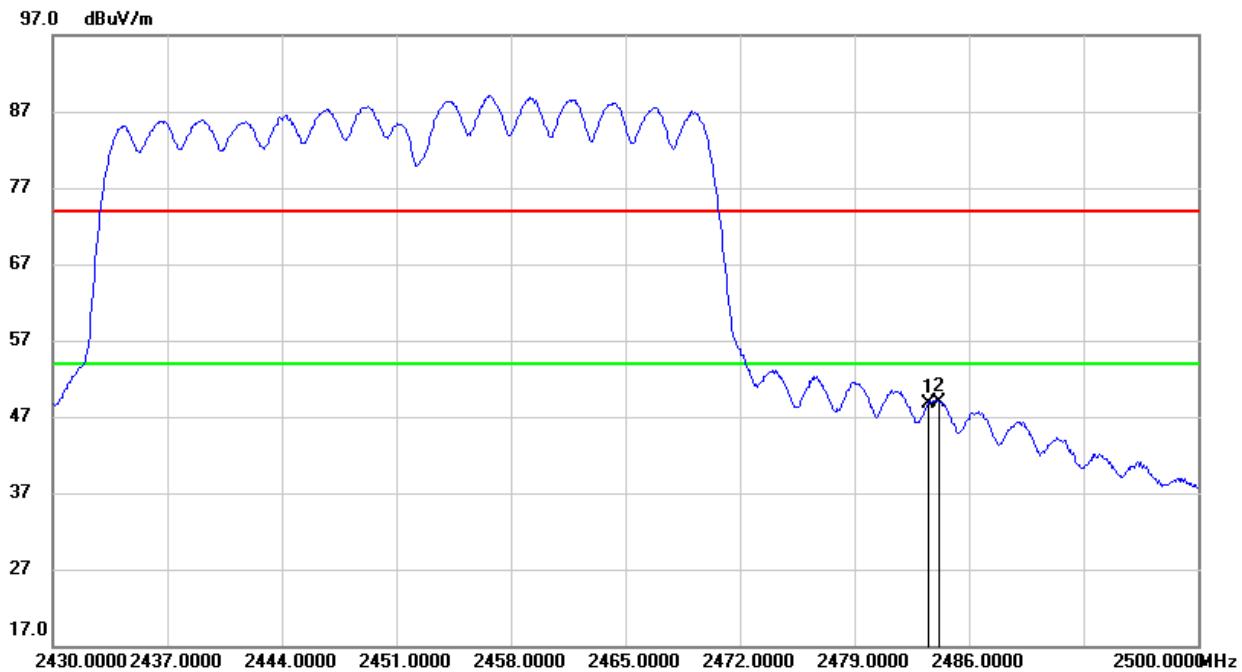
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	17.47	33.58	51.05	54.00	-2.95	AVG
2	2483.830	17.59	33.58	51.17	54.00	-2.83	AVG

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

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)PEAK

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	34.58	33.58	68.16	74.00	-5.84	peak
2	2484.180	37.19	33.58	70.77	74.00	-3.23	peak

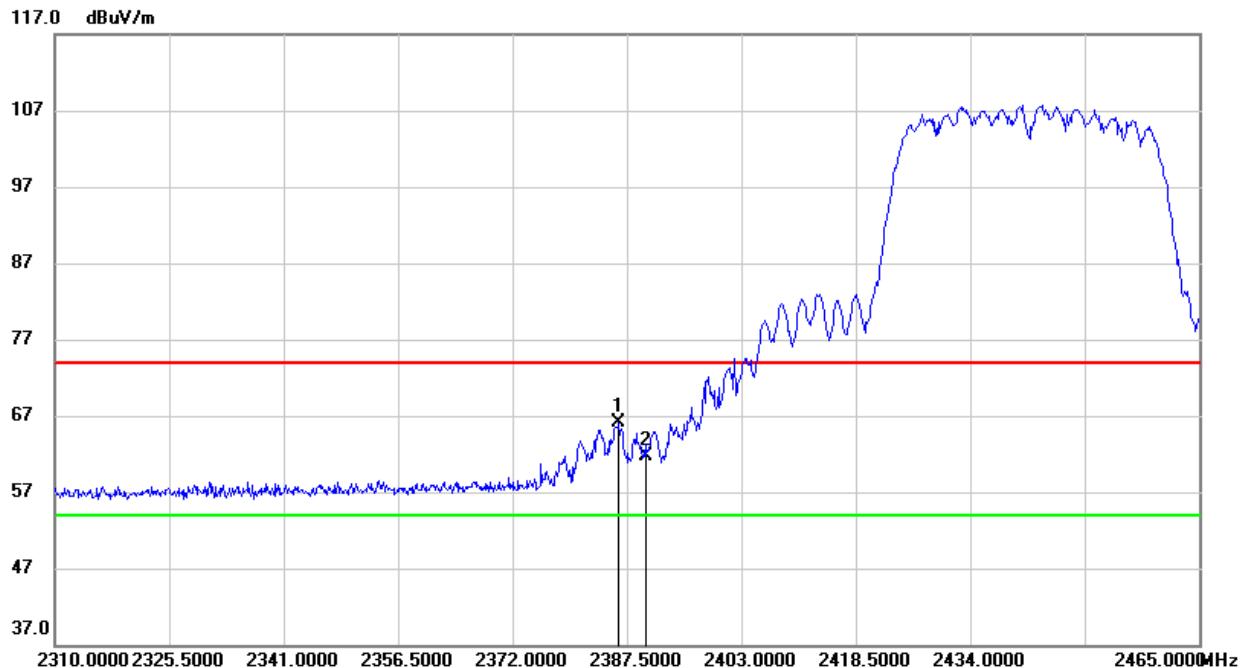
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	2483.500	15.08	33.58	48.66	54.00	-5.34	AVG
2	2484.180	15.40	33.58	48.98	54.00	-5.02	AVG

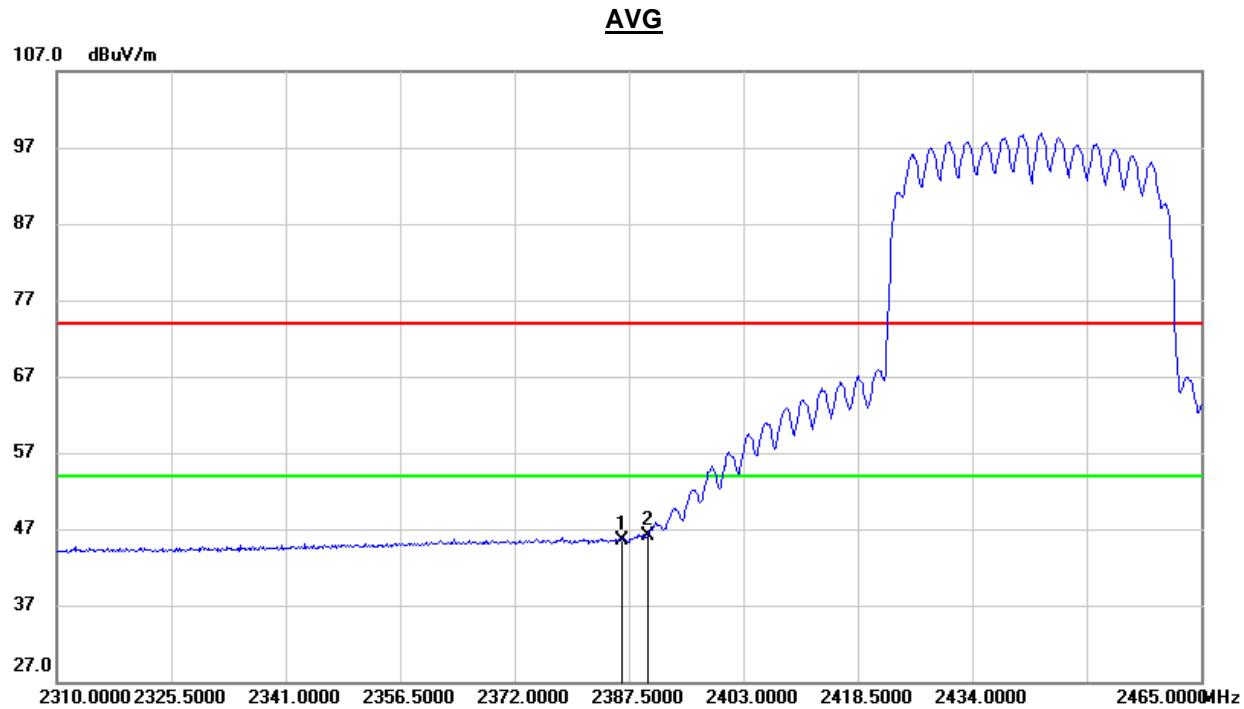
Note:

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 8.1.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**2TX MODE FOR ANT WCT5H-20 (WORST-CASE CONFIGURATION)****RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)****PEAK**

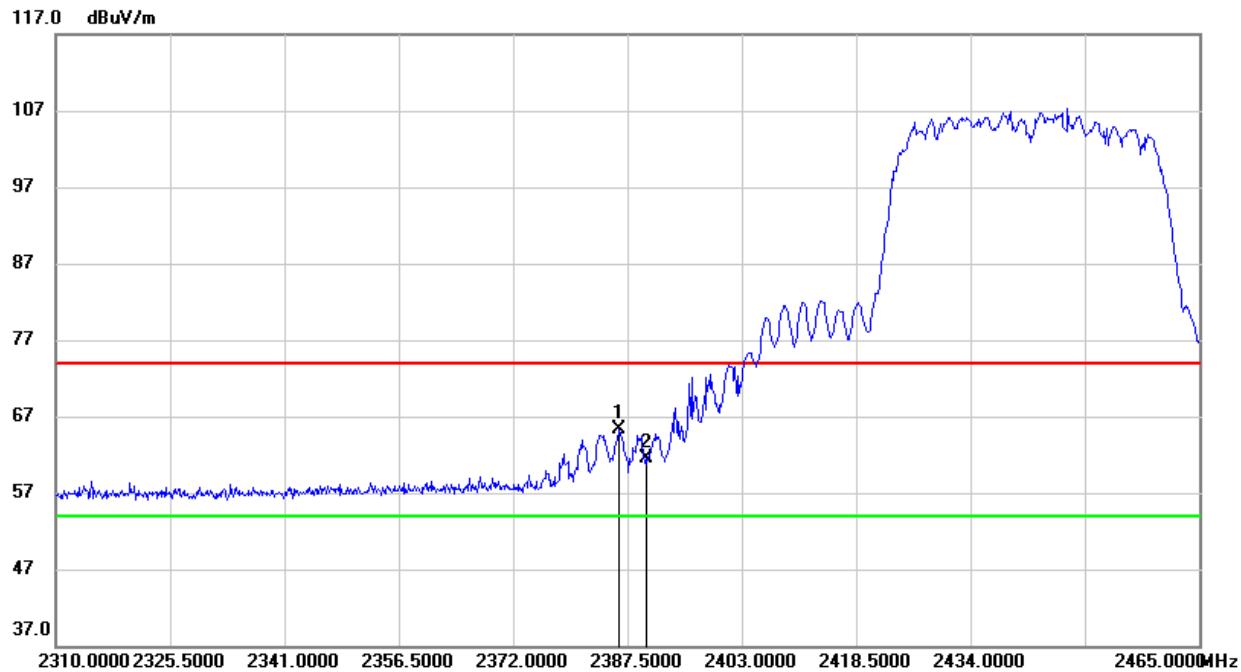
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.415	33.10	32.94	66.04	74.00	-7.96	peak
2	2390.000	28.81	32.94	61.75	74.00	-12.25	peak

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.



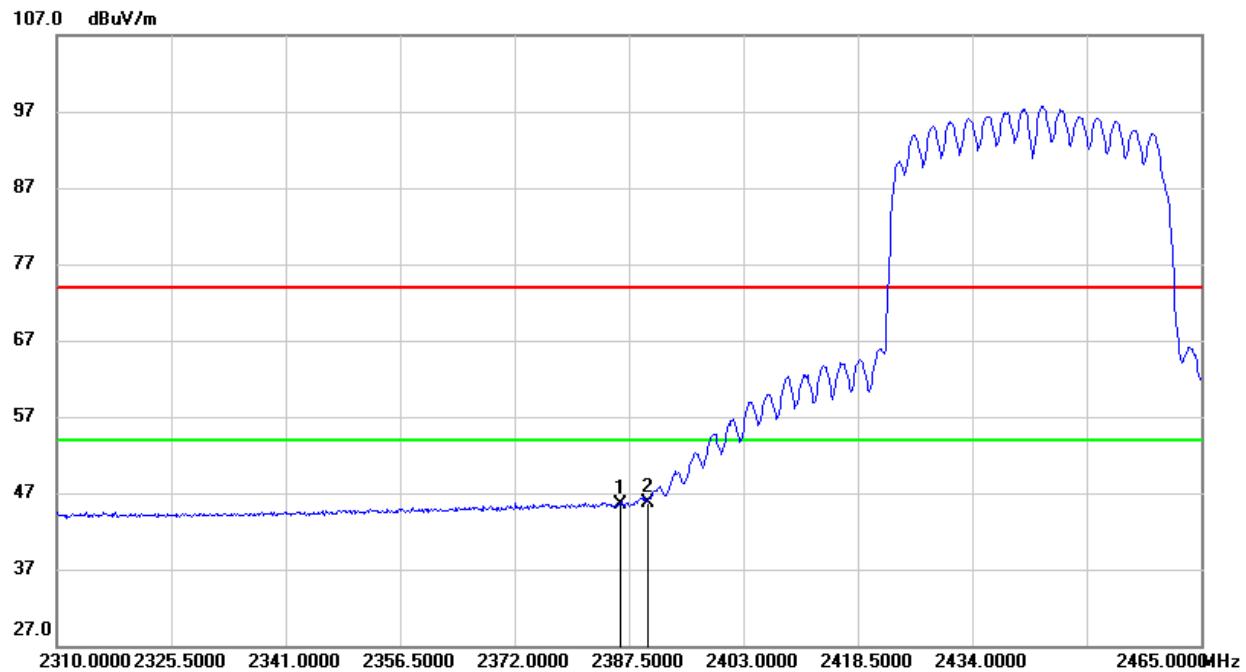
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.415	12.50	32.94	45.44	54.00	-8.56	AVG
2	2390.000	13.25	32.94	46.19	54.00	-7.81	AVG

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 8.1.  
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)****PEAK**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.260	32.39	32.94	65.33	74.00	-8.67	peak
2	2390.000	28.51	32.94	61.45	74.00	-12.55	peak

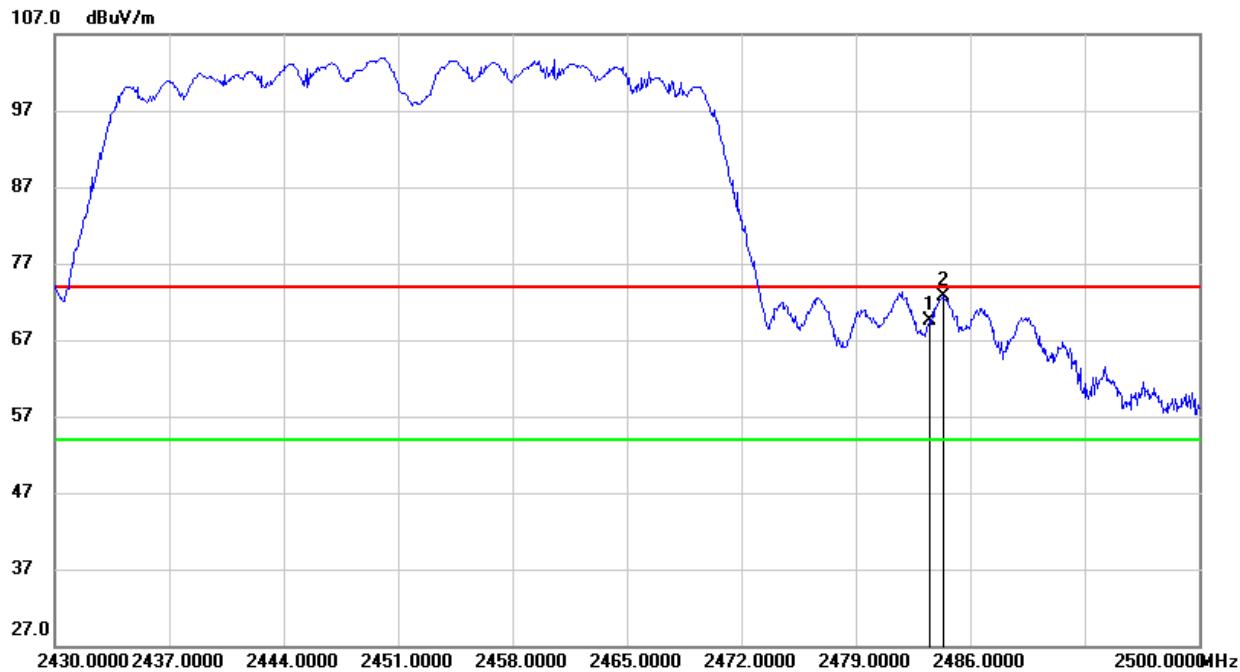
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG


No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	2386.260	12.49	32.94	45.43	54.00	-8.57	AVG
2	2390.000	12.86	32.94	45.80	54.00	-8.20	AVG

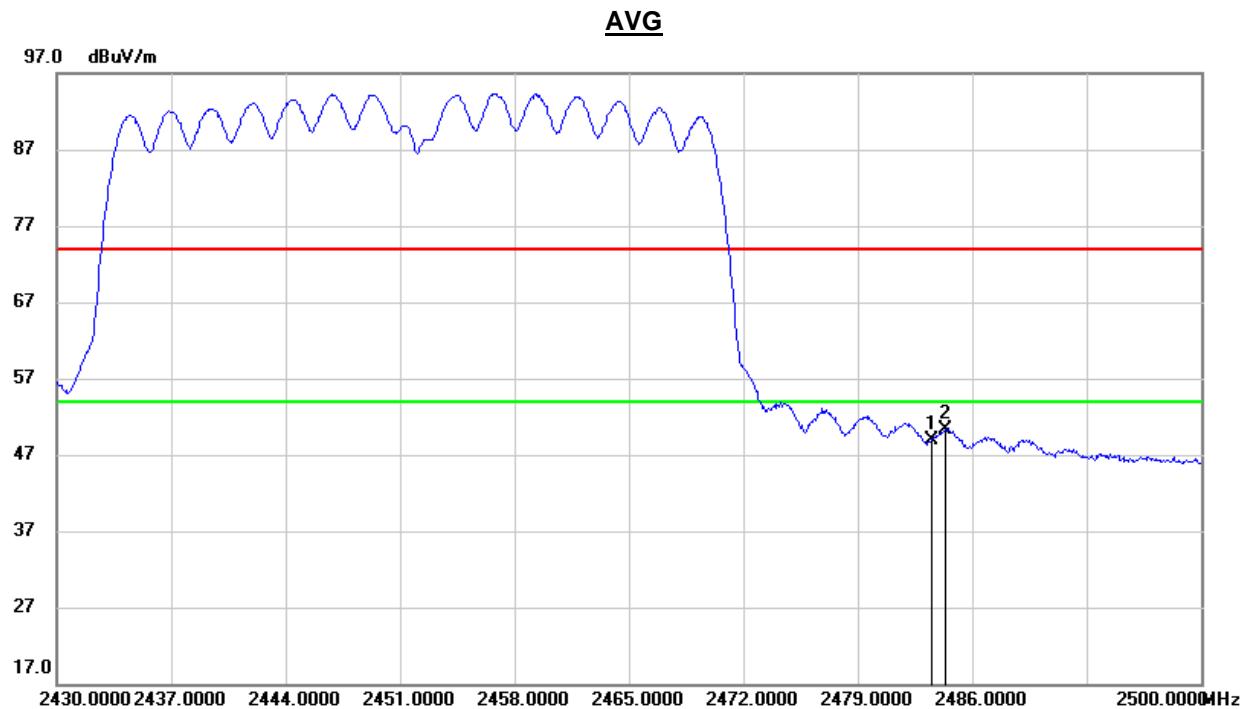
Note:

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

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)PEAK

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	36.00	33.58	69.58	74.00	-4.42	peak
2	2484.320	39.06	33.59	72.65	74.00	-1.35	peak

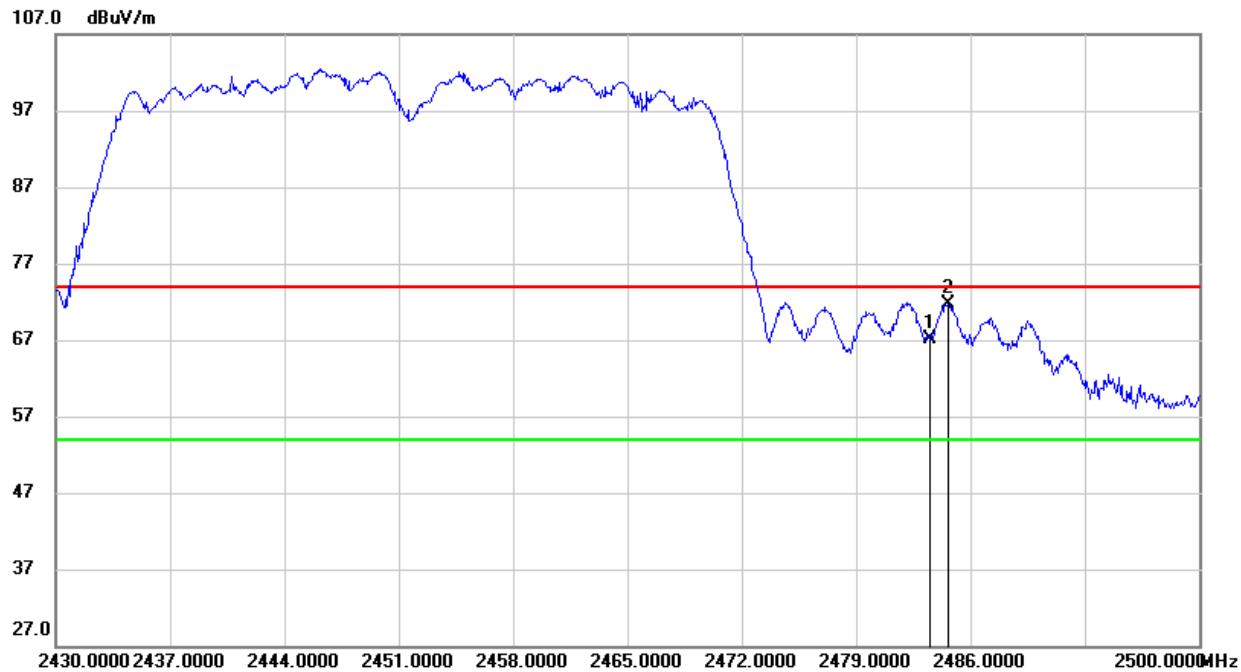
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.31	33.58	48.89	54.00	-5.11	AVG
2	2484.320	16.70	33.59	50.29	54.00	-3.71	AVG

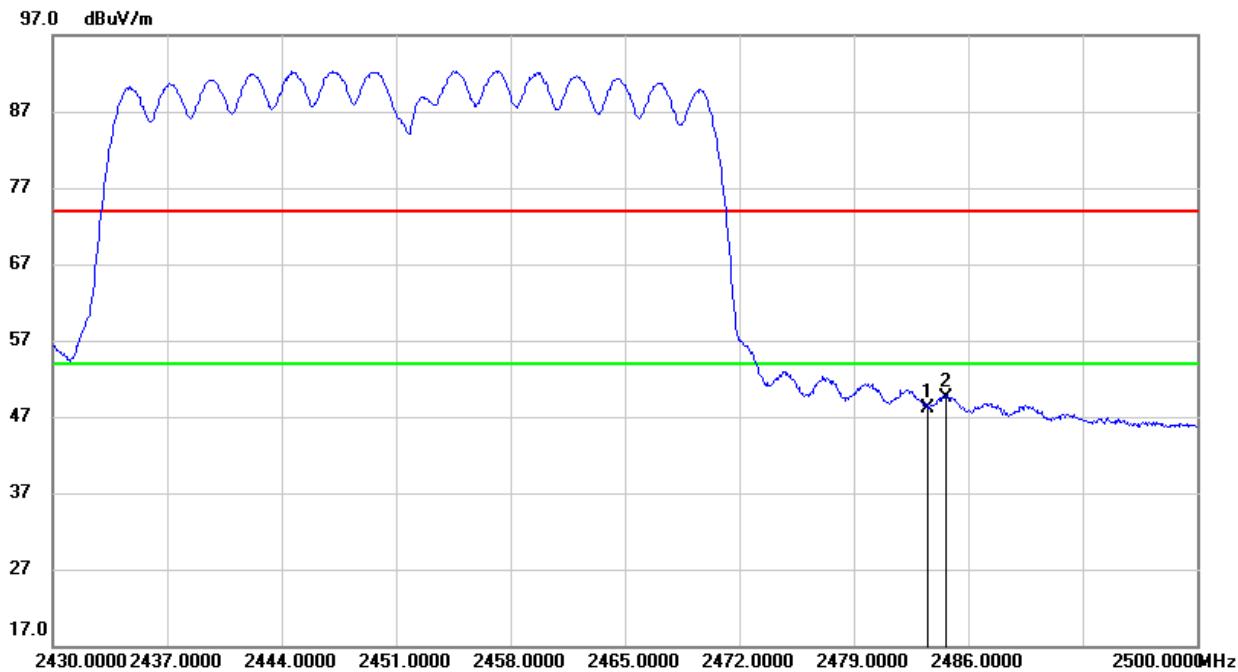
Note:

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

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)PEAK

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	33.48	33.58	67.06	74.00	-6.94	peak
2	2484.600	38.17	33.59	71.76	74.00	-2.24	peak

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

AVG

No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	2483.500	14.46	33.58	48.04	54.00	-5.96	AVG
2	2484.600	15.95	33.59	49.54	54.00	-4.46	AVG

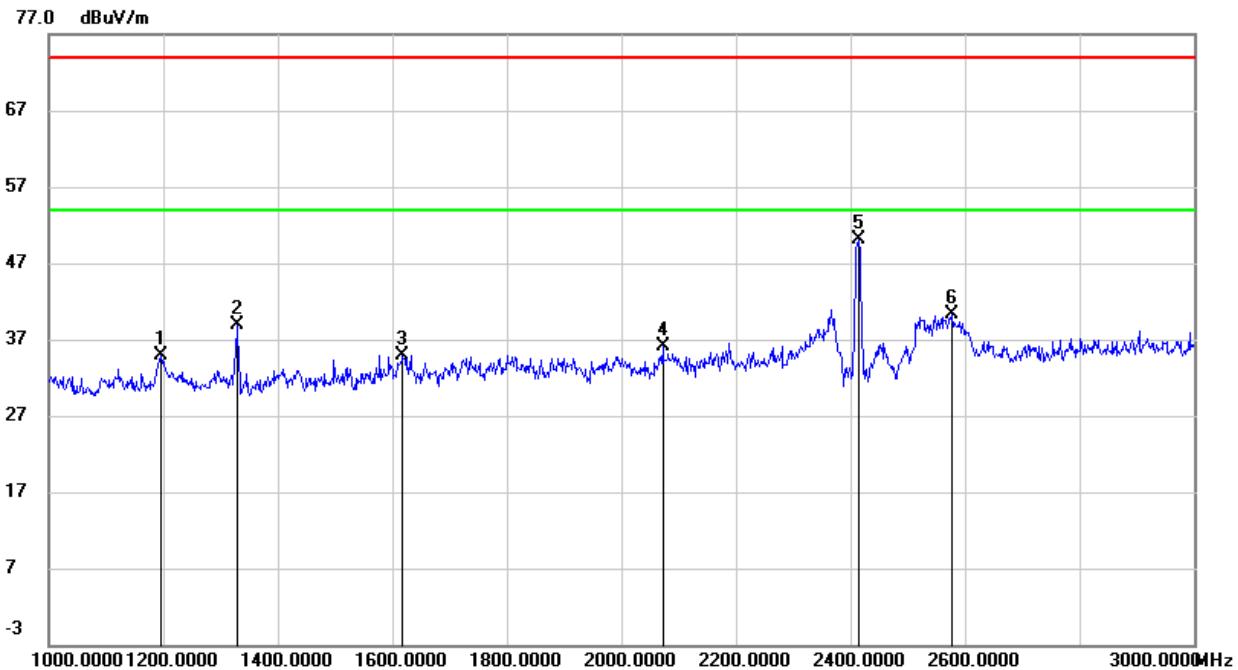
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. AVG: VBW=1/Ton where: ton is transmit duration.  
4. For transmit duration, please refer to clause 8.1.  
5. Only the worst case emission was recorded,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

## 7.8. SPURIOUS EMISSIONS (1~3GHz)

### 7.8.1. 802.11b MODE

#### 1TX MODE FOR ANT1 WCT5J-20 (WORST-CASE CONFIGURATION)

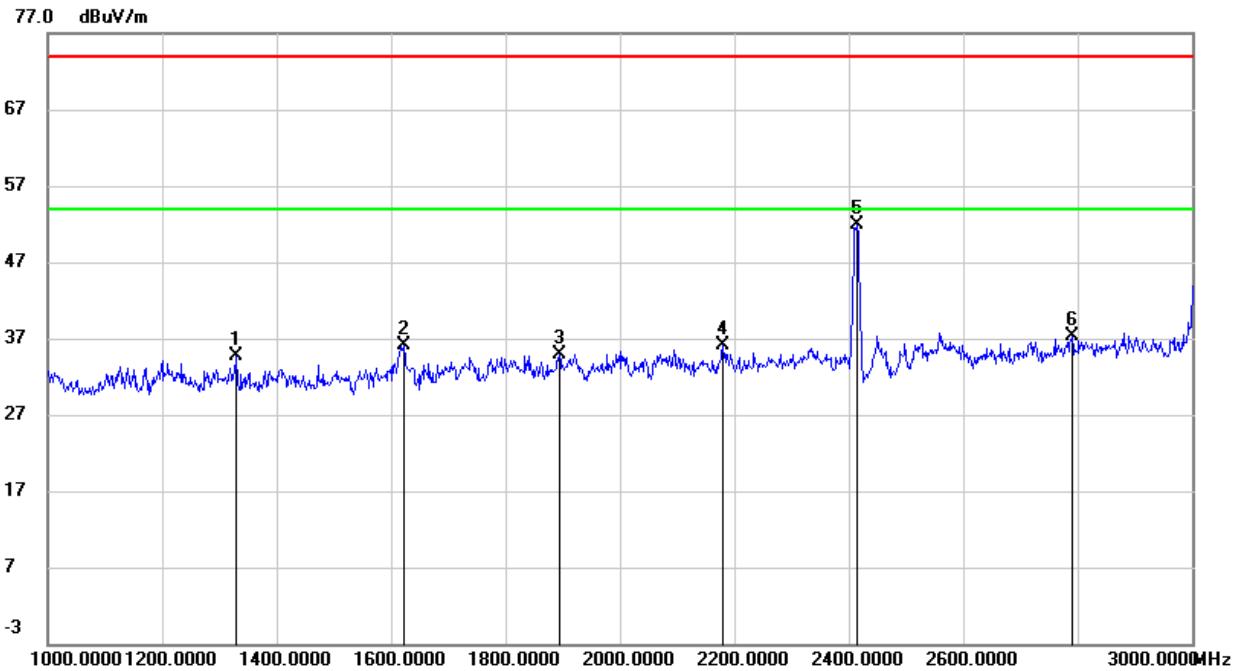
#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1196.000	47.63	-12.72	34.91	74.00	-39.09	peak
2	1328.000	51.17	-12.36	38.81	74.00	-35.19	peak
3	1618.000	46.21	-11.31	34.90	74.00	-39.10	peak
4	2072.000	45.48	-9.34	36.14	74.00	-37.86	peak
5	2414.000	57.79	-7.76	50.03	74.00	-23.97	peak
6	2578.000	47.82	-7.58	40.24	74.00	-33.76	peak

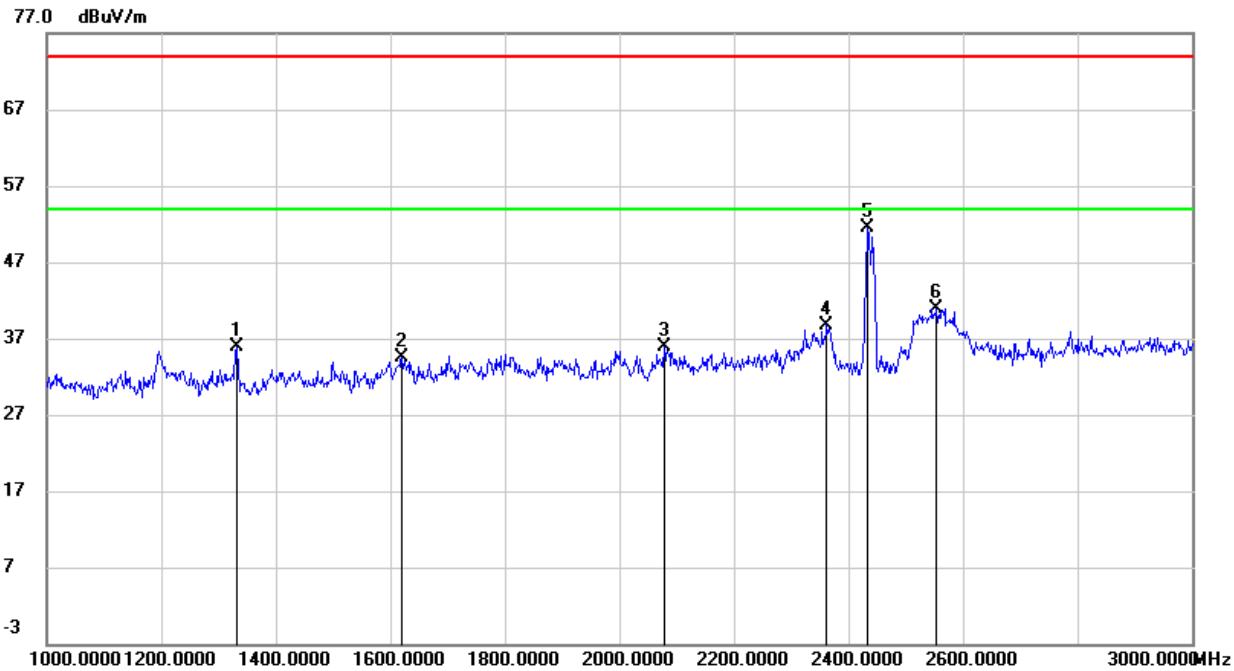
Note:

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

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

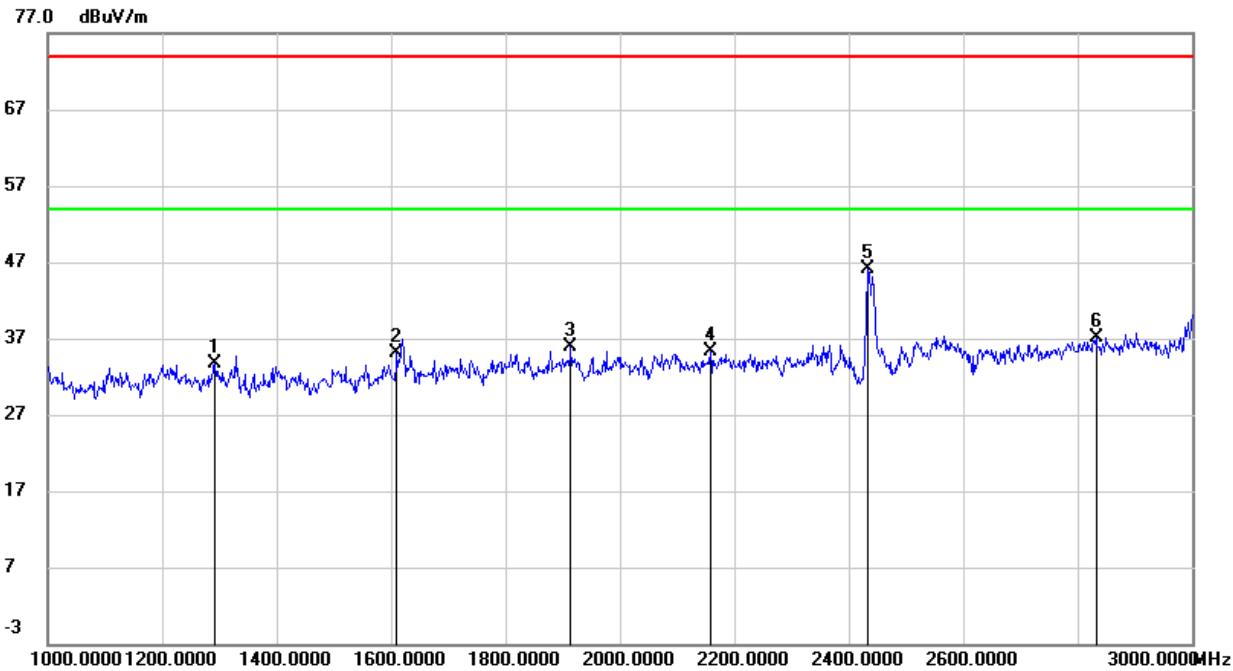
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1330.000	46.97	-12.36	34.61	74.00	-39.39	peak
2	1622.000	47.31	-11.29	36.02	74.00	-37.98	peak
3	1894.000	44.92	-9.95	34.97	74.00	-39.03	peak
4	2180.000	44.83	-8.76	36.07	74.00	-37.93	peak
5	2414.000	59.74	-7.76	51.98	74.00	-22.02	peak
6	2790.000	43.51	-6.17	37.34	74.00	-36.66	peak

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

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

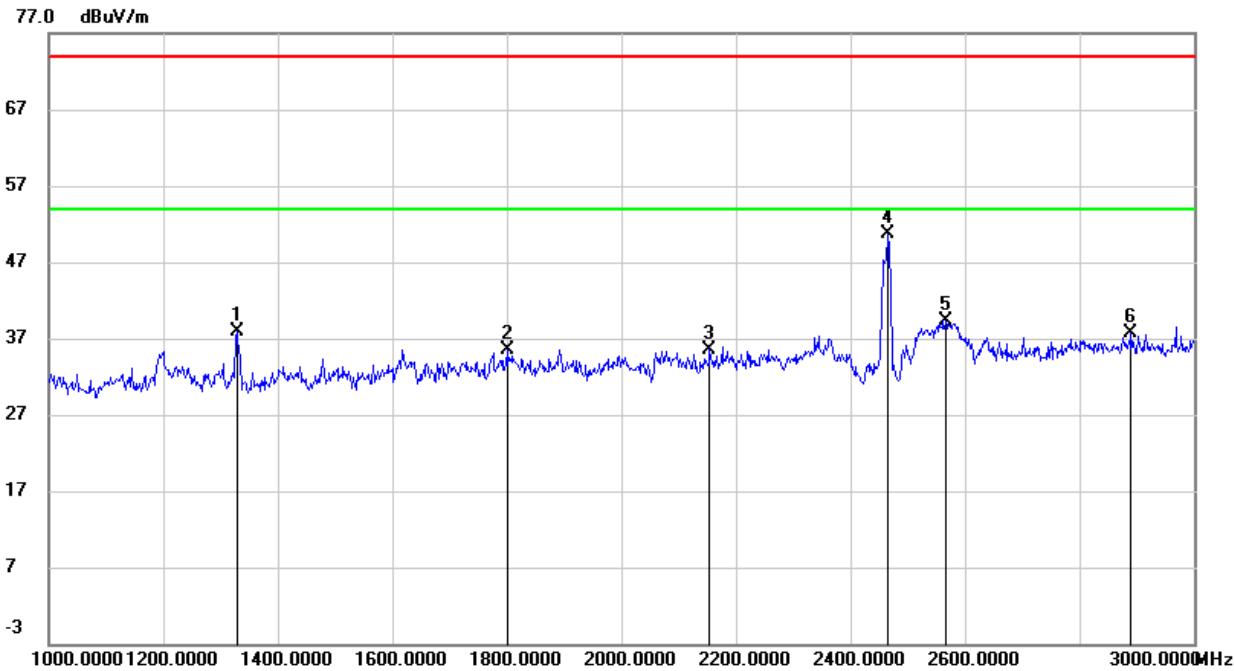
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1332.000	48.27	-12.35	35.92	74.00	-38.08	peak
2	1620.000	45.74	-11.29	34.45	74.00	-39.55	peak
3	2078.000	45.18	-9.30	35.88	74.00	-38.12	peak
4	2362.000	46.79	-7.99	38.80	74.00	-35.20	peak
5	2434.000	59.03	-7.62	51.41	74.00	-22.59	peak
6	2554.000	48.42	-7.46	40.96	74.00	-33.04	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 Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

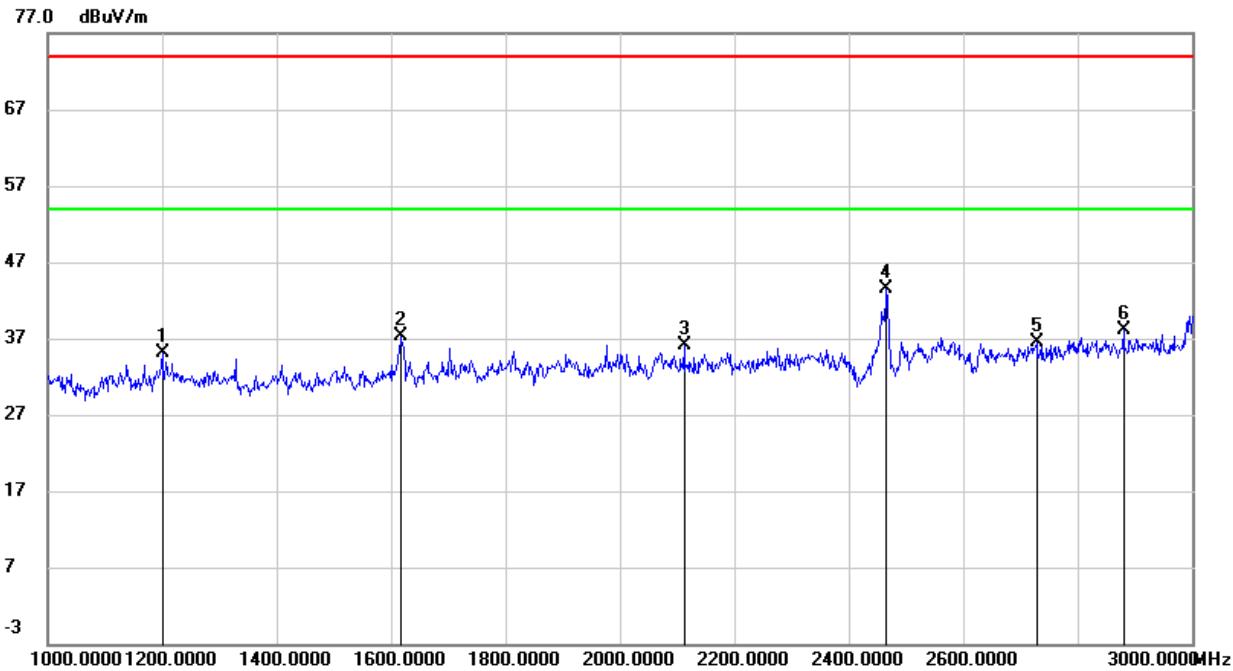
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1292.000	46.14	-12.36	33.78	74.00	-40.22	peak
2	1610.000	46.36	-11.35	35.01	74.00	-38.99	peak
3	1914.000	45.82	-9.93	35.89	74.00	-38.11	peak
4	2158.000	44.11	-8.88	35.23	74.00	-38.77	peak
5	2434.000	53.79	-7.62	46.17	74.00	-27.83	peak
6	2832.000	42.89	-5.88	37.01	74.00	-36.99	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.

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	1328.000	50.31	-12.36	37.95	74.00	-36.05	peak
2	1800.000	45.42	-9.91	35.51	74.00	-38.49	peak
3	2154.000	44.49	-8.89	35.60	74.00	-38.40	peak
4	2464.000	58.17	-7.41	50.76	74.00	-23.24	peak
5	2566.000	46.89	-7.52	39.37	74.00	-34.63	peak
6	2890.000	43.20	-5.58	37.62	74.00	-36.38	peak

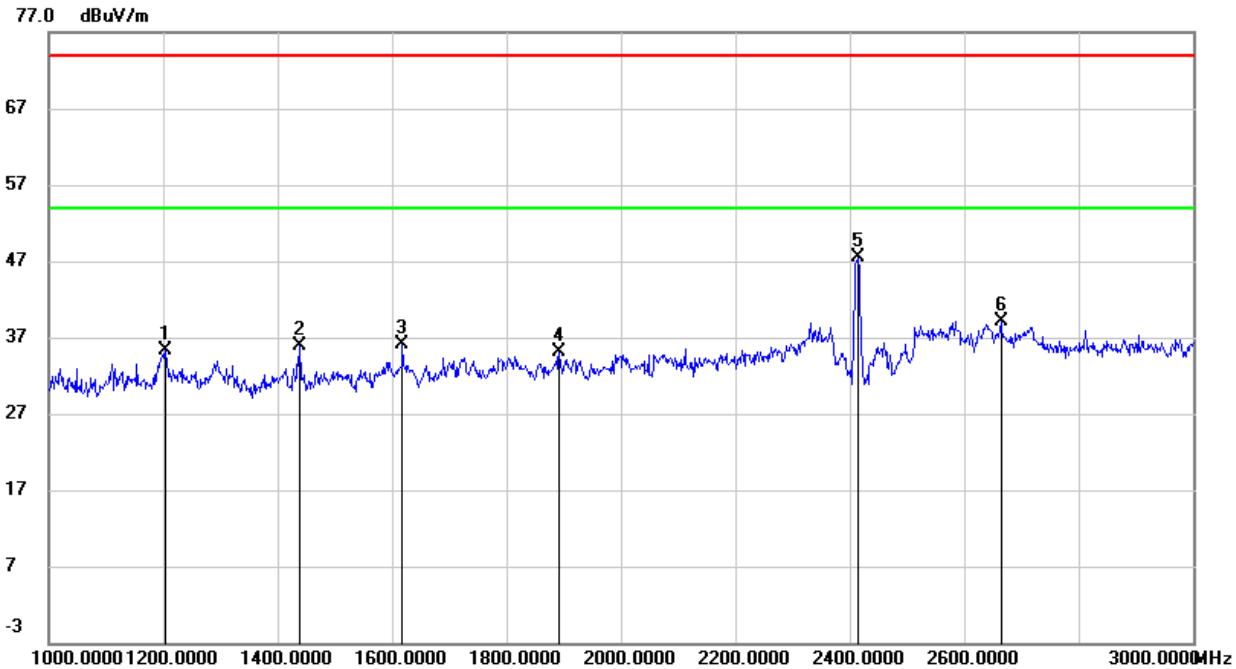
Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	1200.000	47.69	-12.68	35.01	74.00	-38.99	peak
2	1618.000	48.56	-11.31	37.25	74.00	-36.75	peak
3	2112.000	45.15	-9.10	36.05	74.00	-37.95	peak
4	2466.000	50.95	-7.40	43.55	74.00	-30.45	peak
5	2728.000	43.31	-6.83	36.48	74.00	-37.52	peak
6	2880.000	43.75	-5.62	38.13	74.00	-35.87	peak

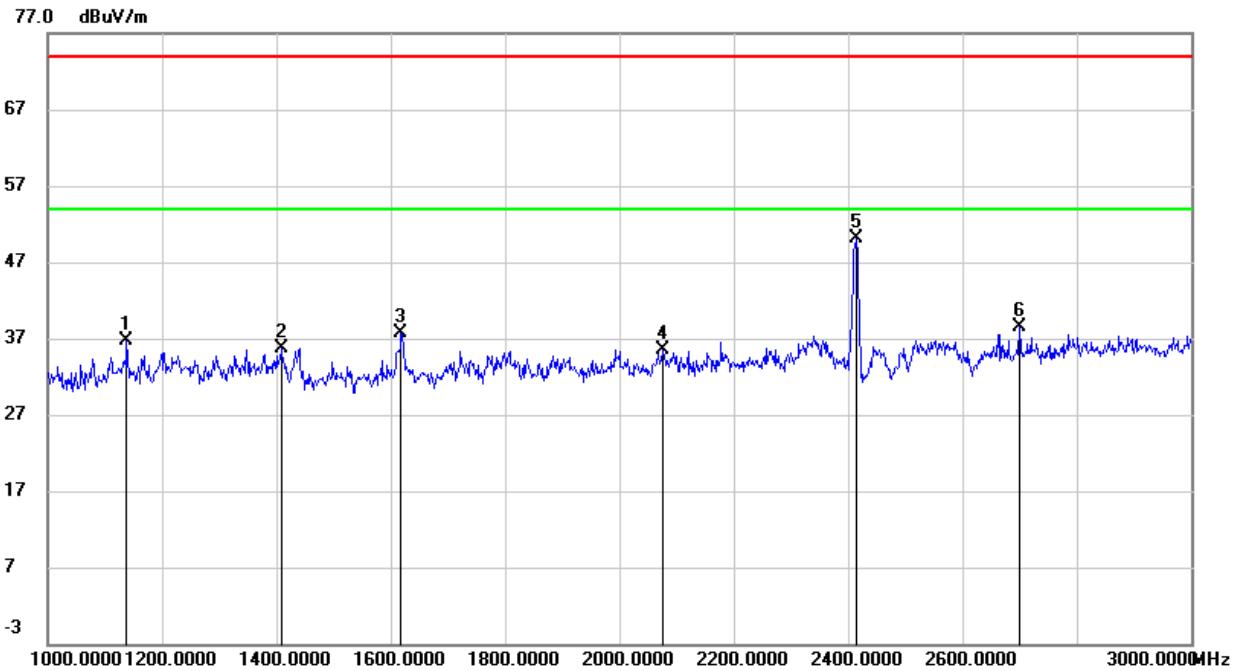
Note:

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 Band reject filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

**1TX MODE FOR ANT1 WCT5H-20 (WORST-CASE CONFIGURATION)****HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**

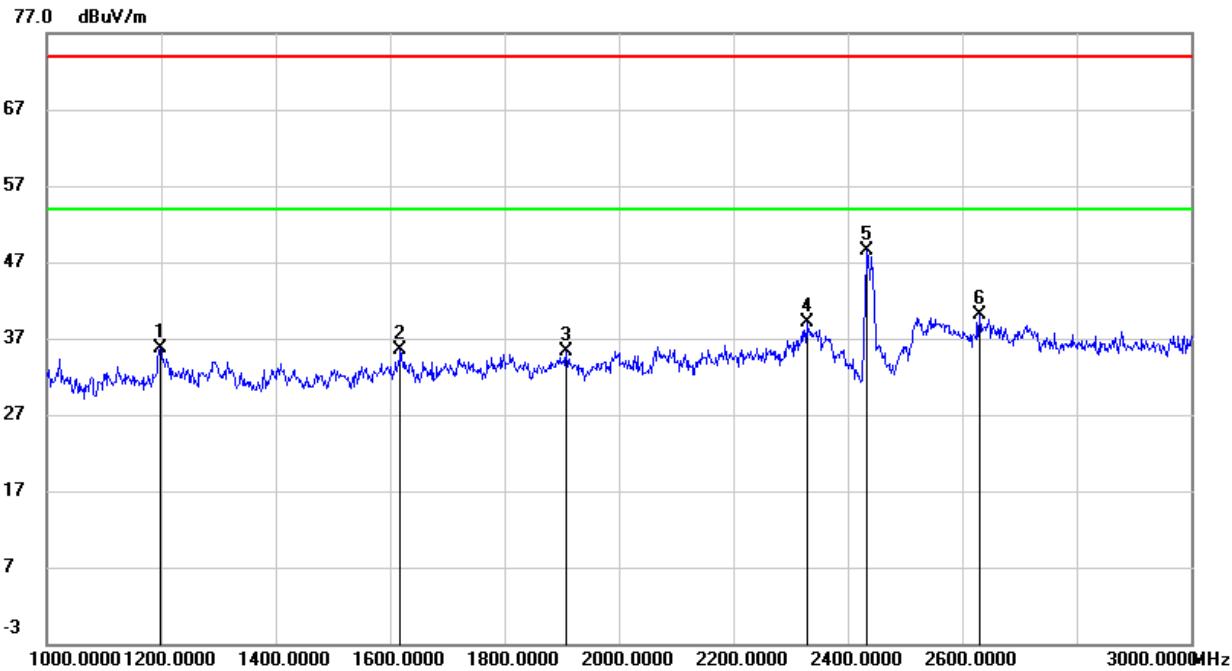
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1204.000	48.02	-12.66	35.36	74.00	-38.64	peak
2	1438.000	48.15	-12.32	35.83	74.00	-38.17	peak
3	1618.000	47.44	-11.31	36.13	74.00	-37.87	peak
4	1892.000	45.00	-9.95	35.05	74.00	-38.95	peak
5	2414.000	55.22	-7.76	47.46	74.00	-26.54	peak
6	2664.000	46.46	-7.34	39.12	74.00	-34.88	peak

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

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

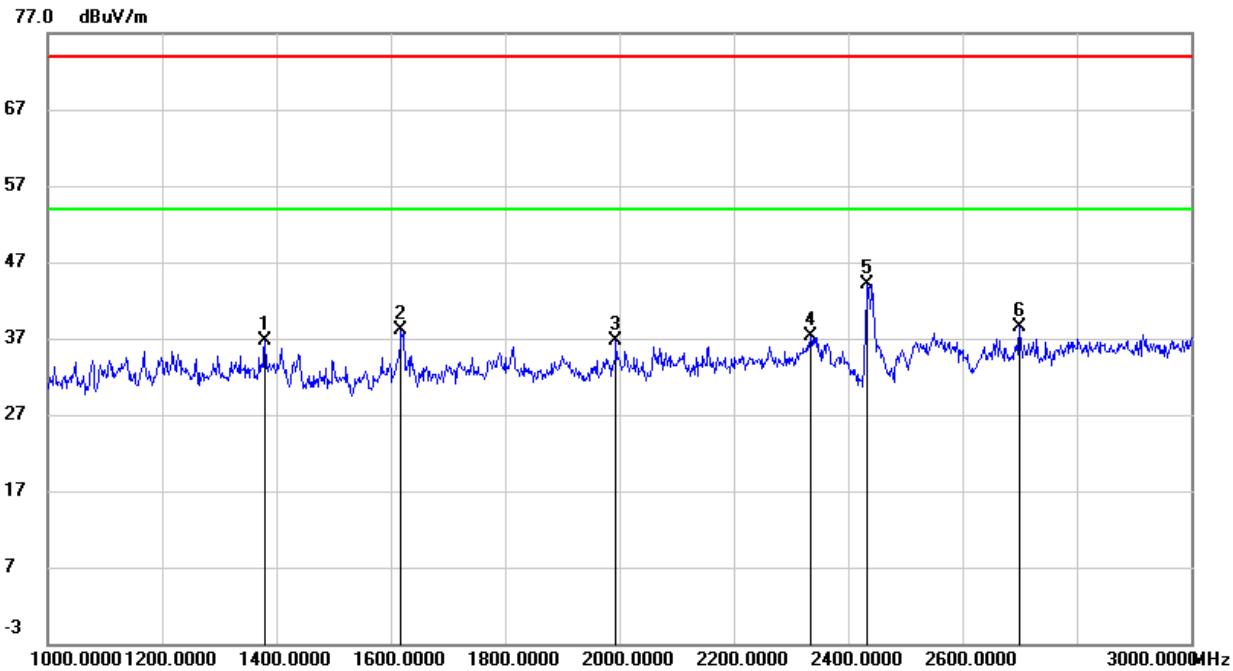
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1138.000	49.80	-13.19	36.61	74.00	-37.39	peak
2	1408.000	48.15	-12.37	35.78	74.00	-38.22	peak
3	1618.000	48.98	-11.31	37.67	74.00	-36.33	peak
4	2076.000	44.80	-9.31	35.49	74.00	-38.51	peak
5	2414.000	57.82	-7.76	50.06	74.00	-23.94	peak
6	2700.000	45.61	-7.13	38.48	74.00	-35.52	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.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

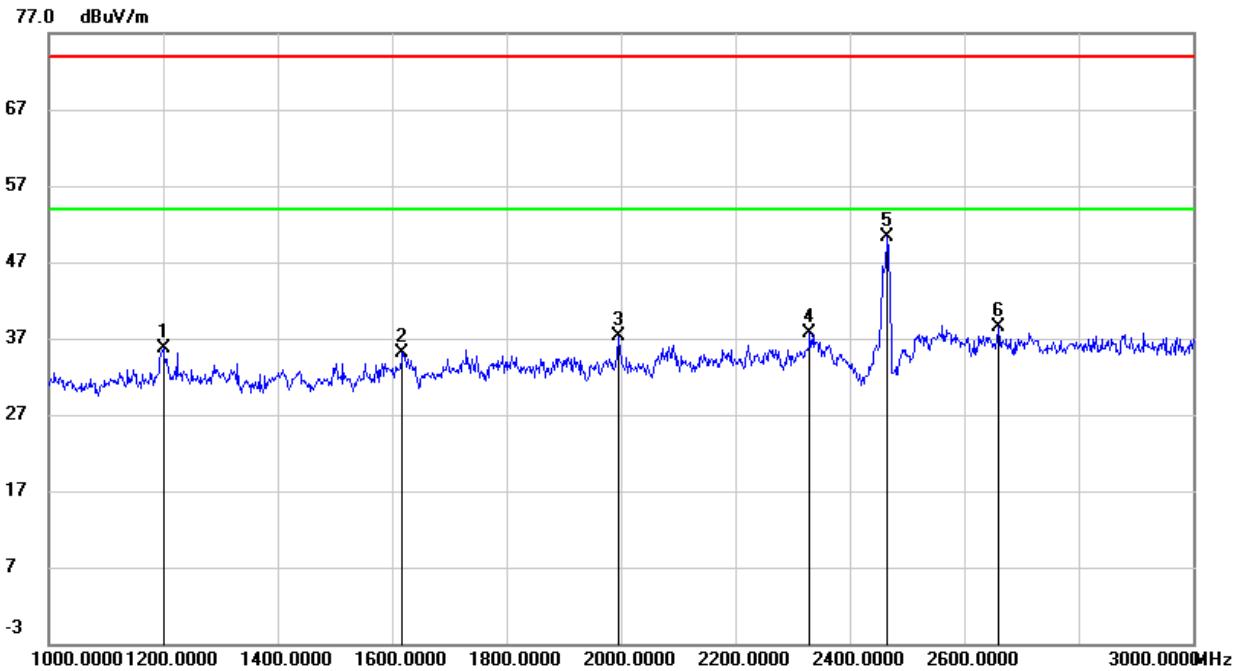
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	48.32	-12.69	35.63	74.00	-38.37	peak
2	1618.000	46.80	-11.31	35.49	74.00	-38.51	peak
3	1908.000	45.29	-9.94	35.35	74.00	-38.65	peak
4	2328.000	47.17	-8.10	39.07	74.00	-34.93	peak
5	2434.000	56.11	-7.62	48.49	74.00	-25.51	peak
6	2630.000	47.57	-7.53	40.04	74.00	-33.96	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. 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.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

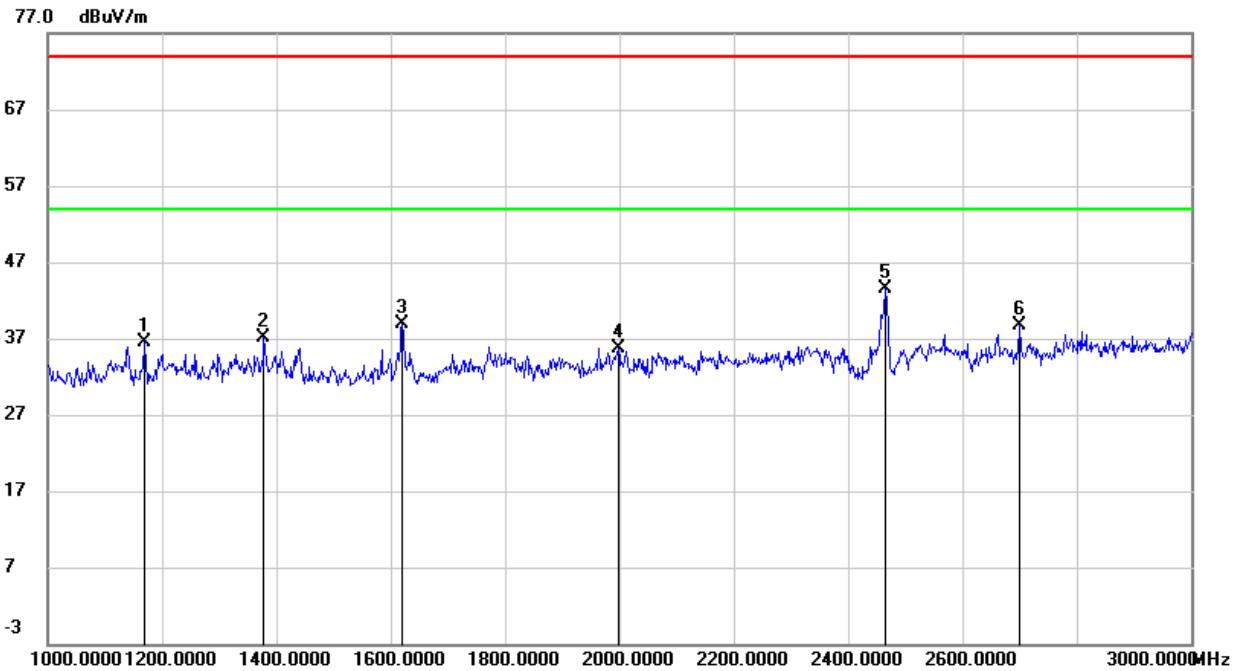
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1380.000	49.11	-12.38	36.73	74.00	-37.27	peak
2	1618.000	49.43	-11.31	38.12	74.00	-35.88	peak
3	1994.000	46.52	-9.83	36.69	74.00	-37.31	peak
4	2334.000	45.41	-8.08	37.33	74.00	-36.67	peak
5	2434.000	51.69	-7.62	44.07	74.00	-29.93	peak
6	2700.000	45.55	-7.13	38.42	74.00	-35.58	peak

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

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	1200.000	48.30	-12.68	35.62	74.00	-38.38	peak
2	1618.000	46.44	-11.31	35.13	74.00	-38.87	peak
3	1996.000	47.12	-9.83	37.29	74.00	-36.71	peak
4	2330.000	45.80	-8.10	37.70	74.00	-36.30	peak
5	2466.000	57.61	-7.40	50.21	74.00	-23.79	peak
6	2660.000	45.84	-7.35	38.49	74.00	-35.51	peak

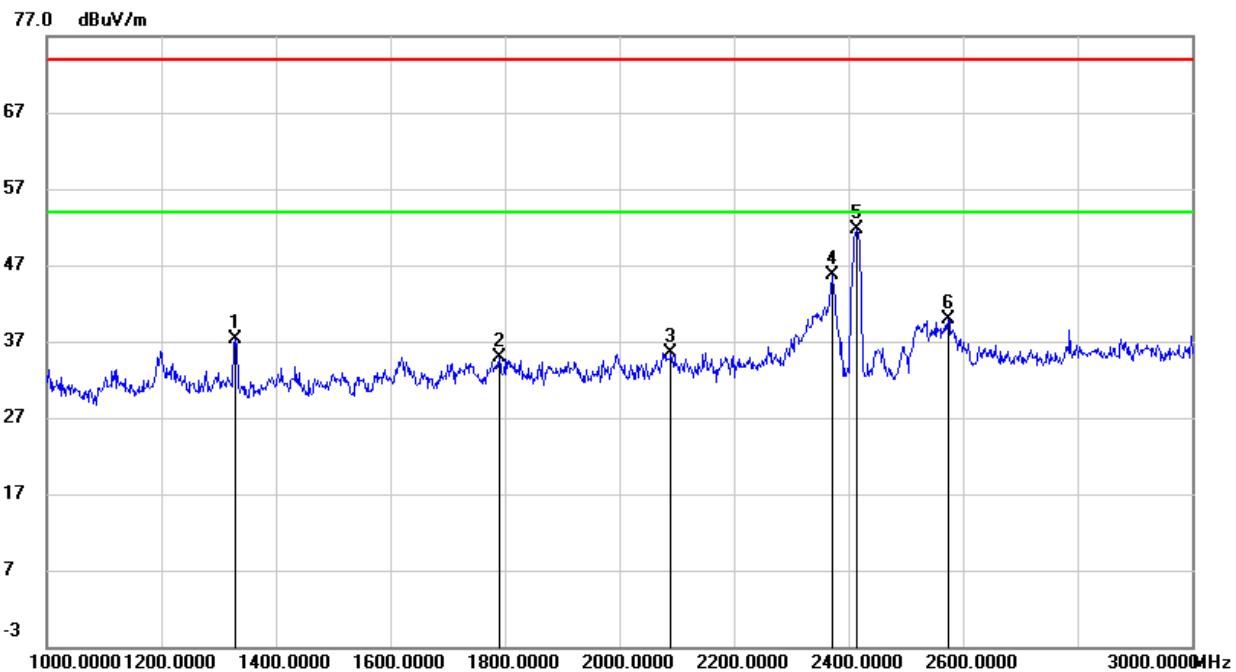
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	1168.000	49.43	-12.95	36.48	74.00	-37.52	peak
2	1378.000	49.41	-12.38	37.03	74.00	-36.97	peak
3	1620.000	50.12	-11.29	38.83	74.00	-35.17	peak
4	1998.000	45.63	-9.83	35.80	74.00	-38.20	peak
5	2464.000	50.88	-7.41	43.47	74.00	-30.53	peak
6	2700.000	45.82	-7.13	38.69	74.00	-35.31	peak

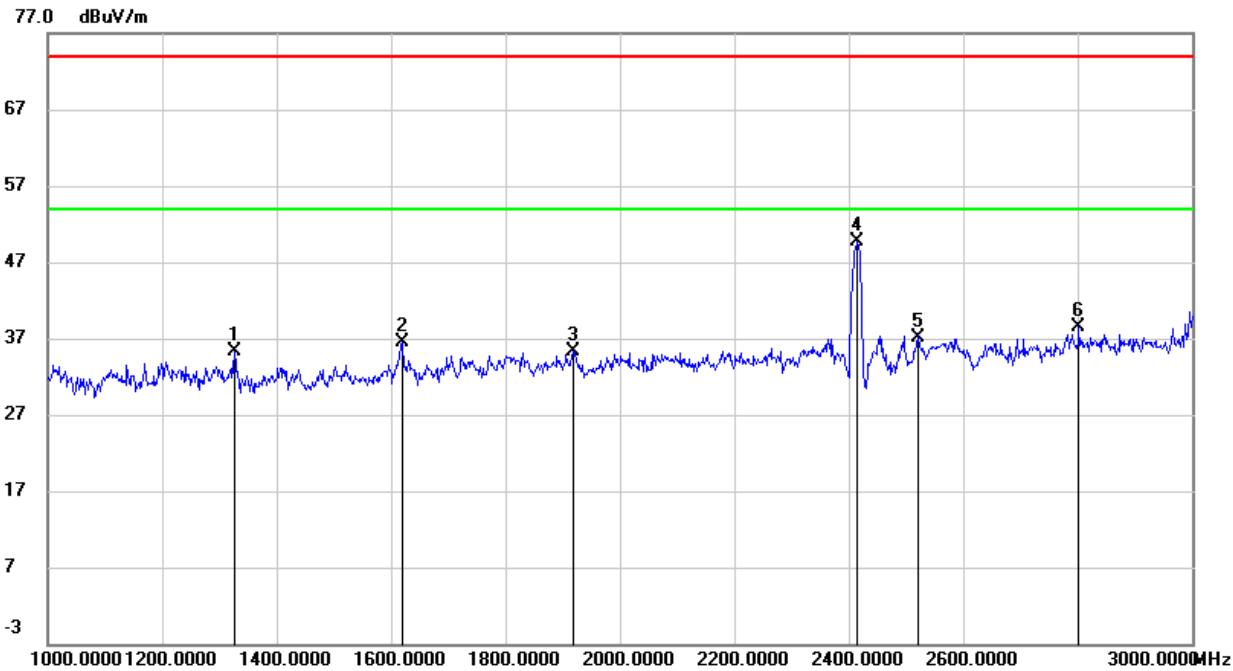
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

## 7.8.2. 802.11g MODE

1TX MODE FOR ANT1 WCT5J-20 (WORST-CASE CONFIGURATION)HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

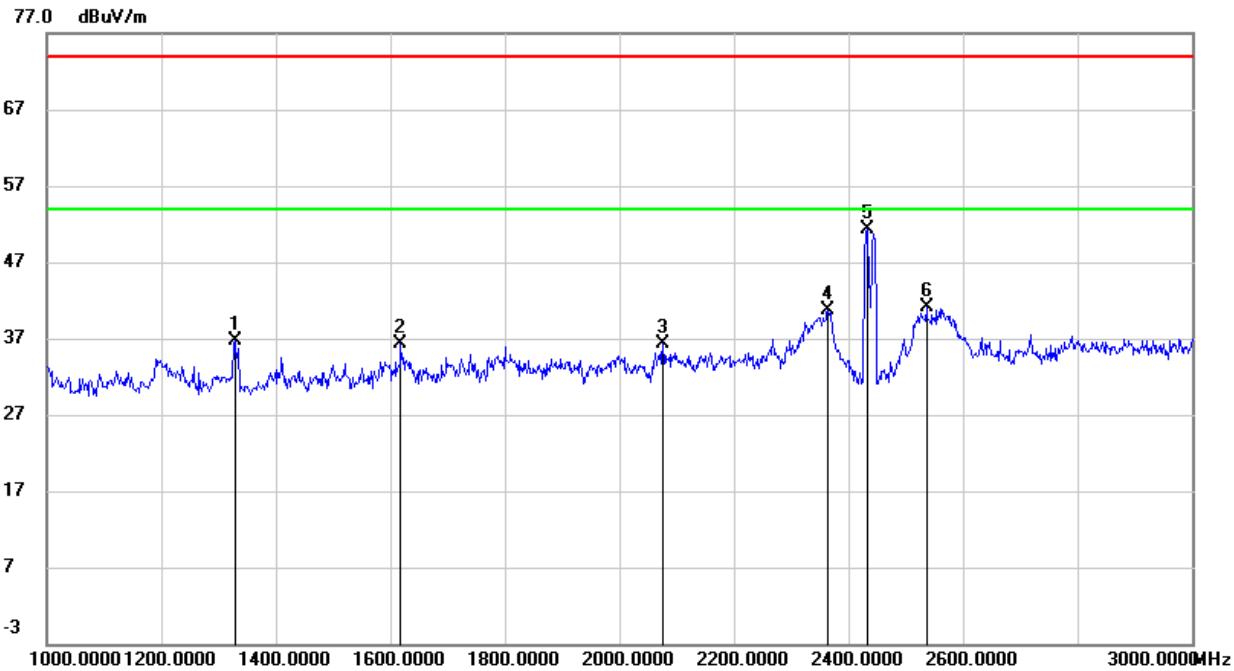
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1328.000	49.73	-12.36	37.37	74.00	-36.63	peak
2	1790.000	44.90	-10.01	34.89	74.00	-39.11	peak
3	2090.000	44.77	-9.22	35.55	74.00	-38.45	peak
4	2372.000	53.57	-7.95	45.62	74.00	-28.38	peak
5	2414.000	59.52	-7.76	51.76	74.00	-22.24	peak
6	2574.000	47.38	-7.56	39.82	74.00	-34.18	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 Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

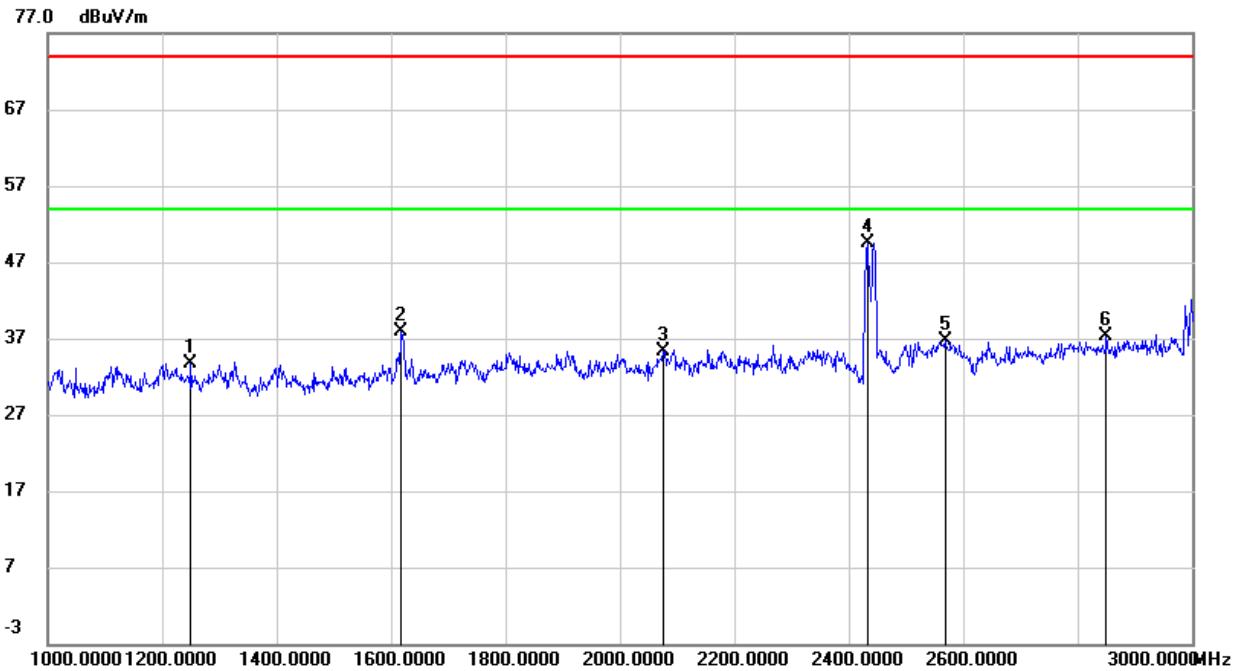
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1326.000	47.70	-12.35	35.35	74.00	-38.65	peak
2	1620.000	47.85	-11.29	36.56	74.00	-37.44	peak
3	1918.000	45.33	-9.93	35.40	74.00	-38.60	peak
4	2414.000	57.44	-7.76	49.68	74.00	-24.32	peak
5	2522.000	44.42	-7.28	37.14	74.00	-36.86	peak
6	2802.000	44.59	-6.04	38.55	74.00	-35.45	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 Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

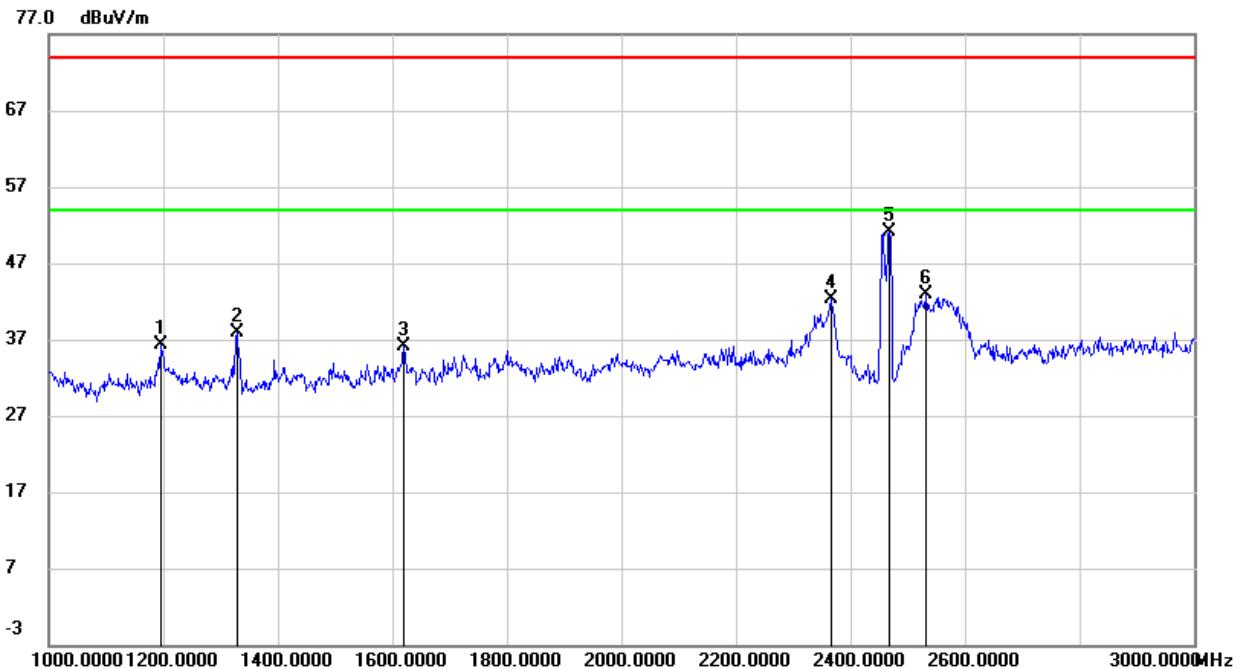
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1328.000	49.05	-12.36	36.69	74.00	-37.31	peak
2	1618.000	47.67	-11.31	36.36	74.00	-37.64	peak
3	2076.000	45.57	-9.31	36.26	74.00	-37.74	peak
4	2364.000	48.72	-7.98	40.74	74.00	-33.26	peak
5	2432.000	58.97	-7.63	51.34	74.00	-22.66	peak
6	2536.000	48.55	-7.36	41.19	74.00	-32.81	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. 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.

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	1250.000	46.21	-12.51	33.70	74.00	-40.30	peak
2	1618.000	49.14	-11.31	37.83	74.00	-36.17	peak
3	2076.000	44.70	-9.31	35.39	74.00	-38.61	peak
4	2432.000	57.22	-7.63	49.59	74.00	-24.41	peak
5	2568.000	44.29	-7.54	36.75	74.00	-37.25	peak
6	2850.000	43.01	-5.79	37.22	74.00	-36.78	peak

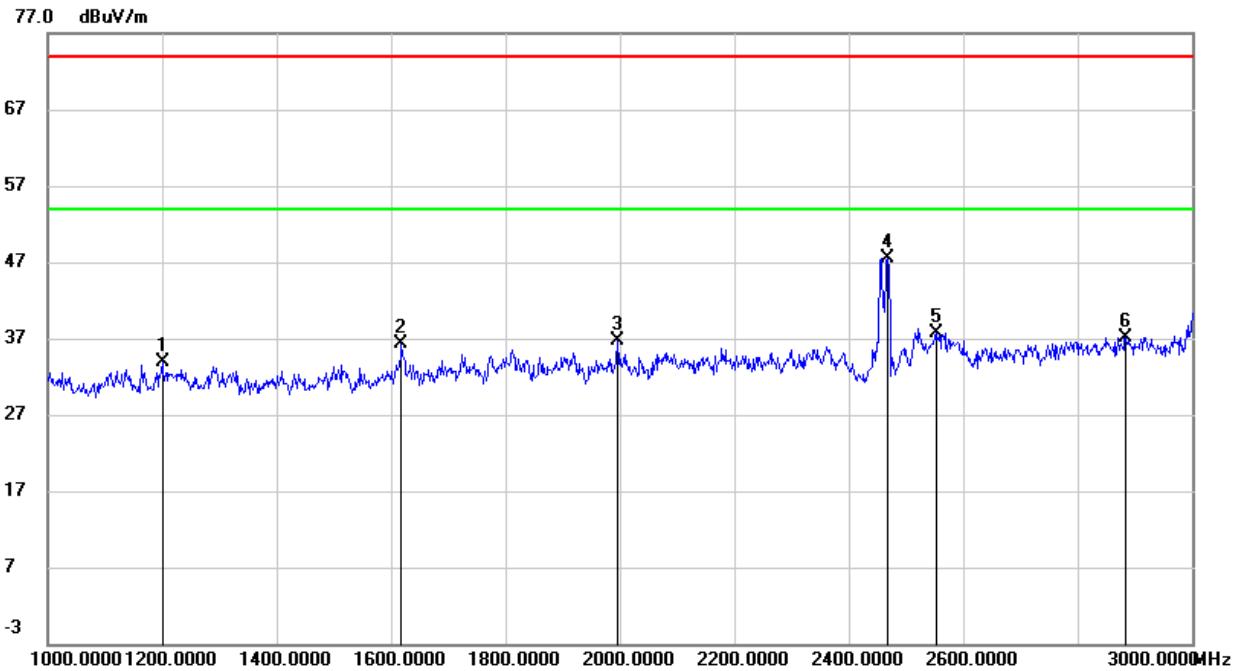
Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	1196.000	49.07	-12.72	36.35	74.00	-37.65	peak
2	1328.000	50.17	-12.36	37.81	74.00	-36.19	peak
3	1620.000	47.41	-11.29	36.12	74.00	-37.88	peak
4	2366.000	50.23	-7.97	42.26	74.00	-31.74	peak
5	2468.000	58.43	-7.39	51.04	74.00	-22.96	peak
6	2532.000	50.25	-7.33	42.92	74.00	-31.08	peak

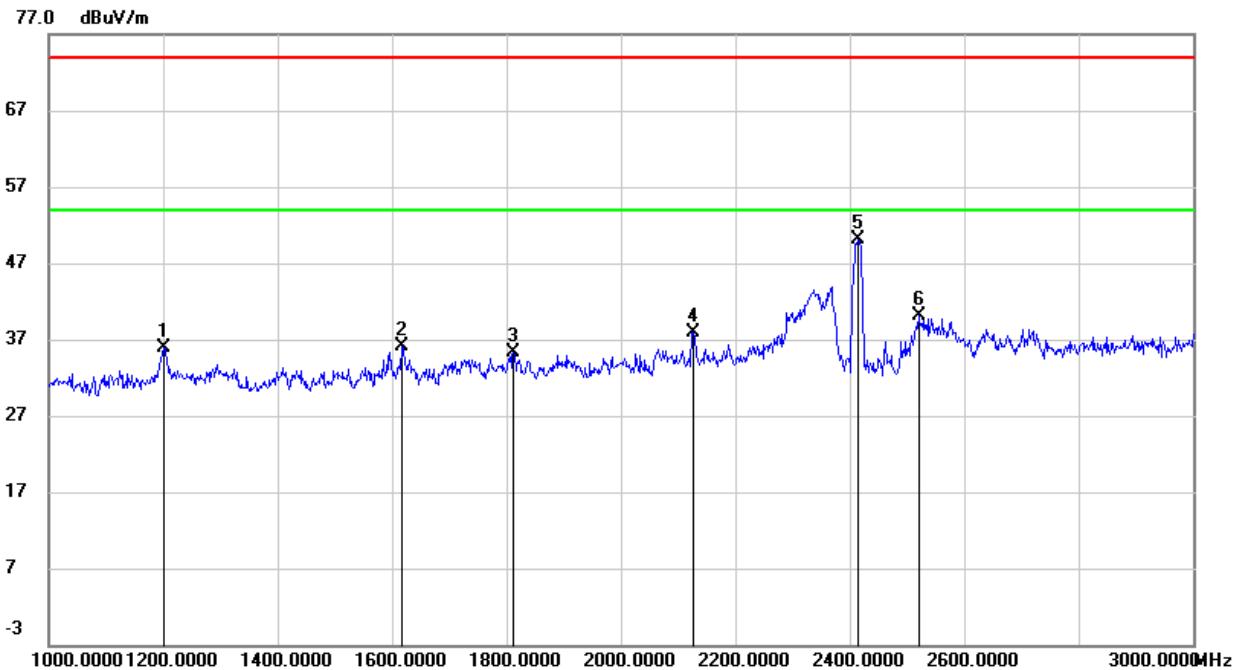
Note:

1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. 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.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

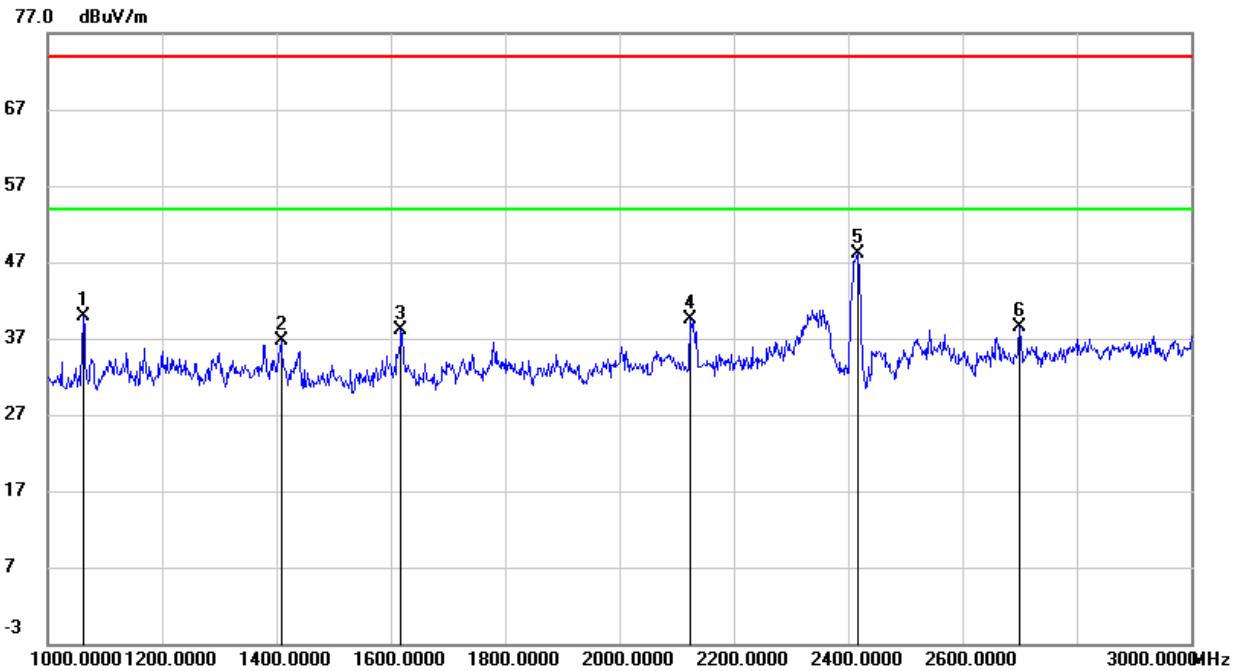
No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	1200.000	46.57	-12.68	33.89	74.00	-40.11	peak
2	1618.000	47.55	-11.31	36.24	74.00	-37.76	peak
3	1996.000	46.56	-9.83	36.73	74.00	-37.27	peak
4	2468.000	54.98	-7.39	47.59	74.00	-26.41	peak
5	2552.000	45.11	-7.44	37.67	74.00	-36.33	peak
6	2884.000	42.77	-5.61	37.16	74.00	-36.84	peak

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

**1TX MODE FOR ANT1 WCT5H-20 (WORST-CASE CONFIGURATION)****HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**

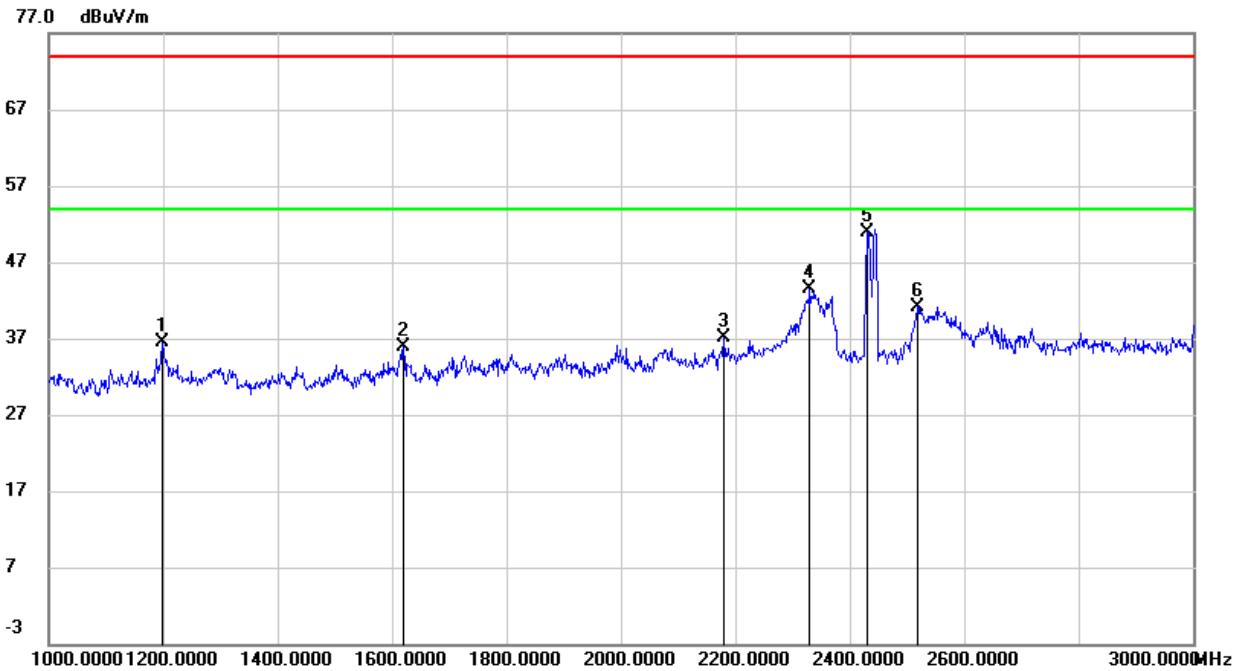
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1200.000	48.60	-12.68	35.92	74.00	-38.08	peak
2	1616.000	47.35	-11.32	36.03	74.00	-37.97	peak
3	1812.000	45.26	-9.92	35.34	74.00	-38.66	peak
4	2126.000	47.02	-9.02	38.00	74.00	-36.00	peak
5	2414.000	57.89	-7.76	50.13	74.00	-23.87	peak
6	2520.000	47.29	-7.27	40.02	74.00	-33.98	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.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

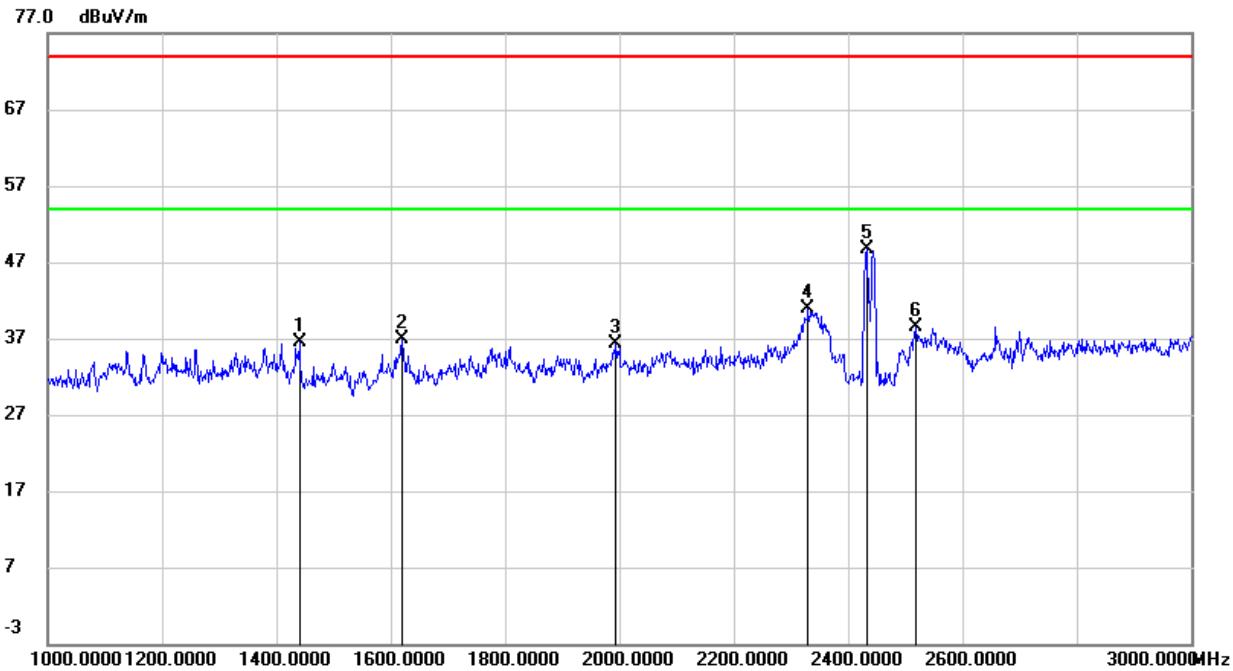
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1062.000	53.41	-13.55	39.86	74.00	-34.14	peak
2	1408.000	49.03	-12.37	36.66	74.00	-37.34	peak
3	1618.000	49.37	-11.31	38.06	74.00	-35.94	peak
4	2124.000	48.55	-9.04	39.51	74.00	-34.49	peak
5	2416.000	55.82	-7.75	48.07	74.00	-25.93	peak
6	2700.000	45.54	-7.13	38.41	74.00	-35.59	peak

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

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

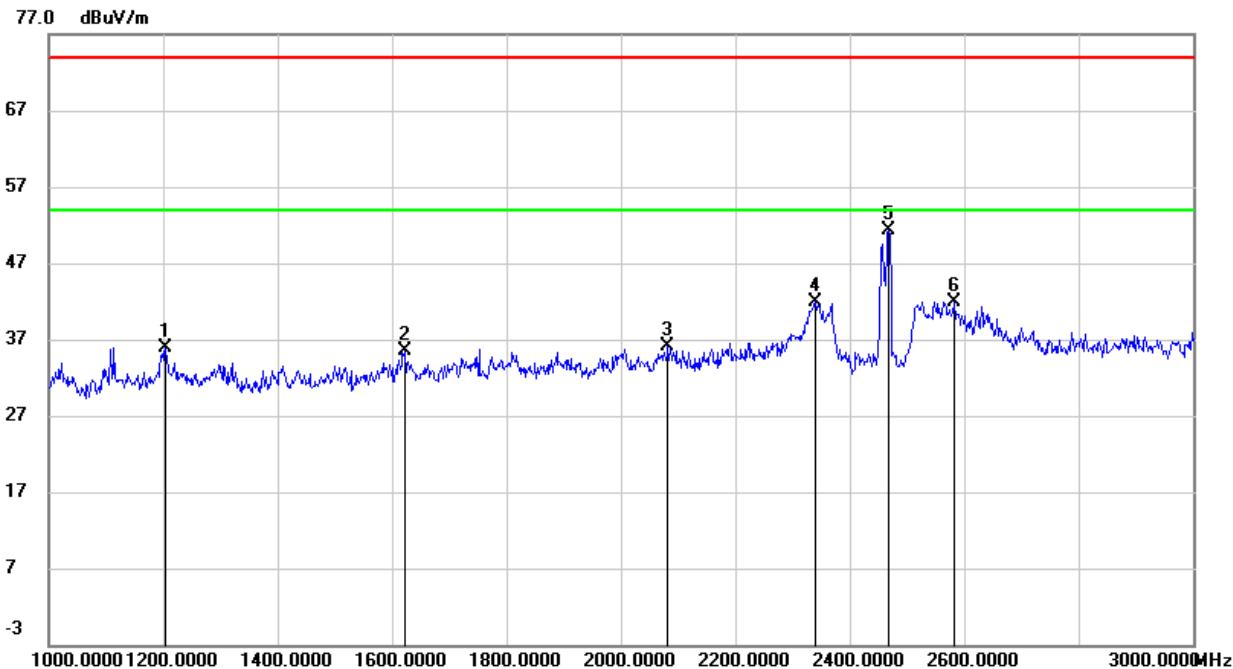
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	49.16	-12.69	36.47	74.00	-37.53	peak
2	1620.000	47.25	-11.29	35.96	74.00	-38.04	peak
3	2180.000	45.80	-8.76	37.04	74.00	-36.96	peak
4	2330.000	51.63	-8.10	43.53	74.00	-30.47	peak
5	2430.000	58.65	-7.65	51.00	74.00	-23.00	peak
6	2518.000	48.47	-7.27	41.20	74.00	-32.80	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.  
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.

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	1440.000	48.83	-12.32	36.51	74.00	-37.49	peak
2	1620.000	48.28	-11.29	36.99	74.00	-37.01	peak
3	1994.000	46.11	-9.83	36.28	74.00	-37.72	peak
4	2330.000	48.95	-8.10	40.85	74.00	-33.15	peak
5	2432.000	56.42	-7.63	48.79	74.00	-25.21	peak
6	2518.000	45.78	-7.27	38.51	74.00	-35.49	peak

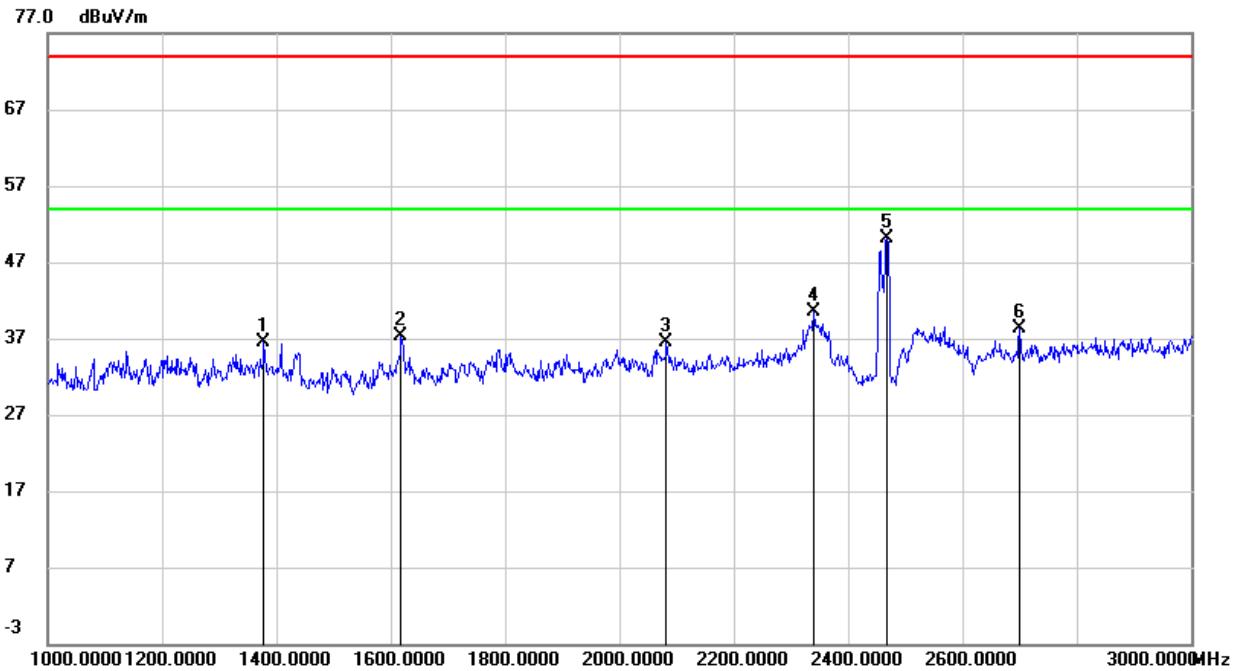
Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	1204.000	48.59	-12.66	35.93	74.00	-38.07	peak
2	1622.000	46.71	-11.29	35.42	74.00	-38.58	peak
3	2082.000	45.37	-9.28	36.09	74.00	-37.91	peak
4	2340.000	50.01	-8.06	41.95	74.00	-32.05	peak
5	2468.000	58.74	-7.39	51.35	74.00	-22.65	peak
6	2582.000	49.55	-7.60	41.95	74.00	-32.05	peak

Note:

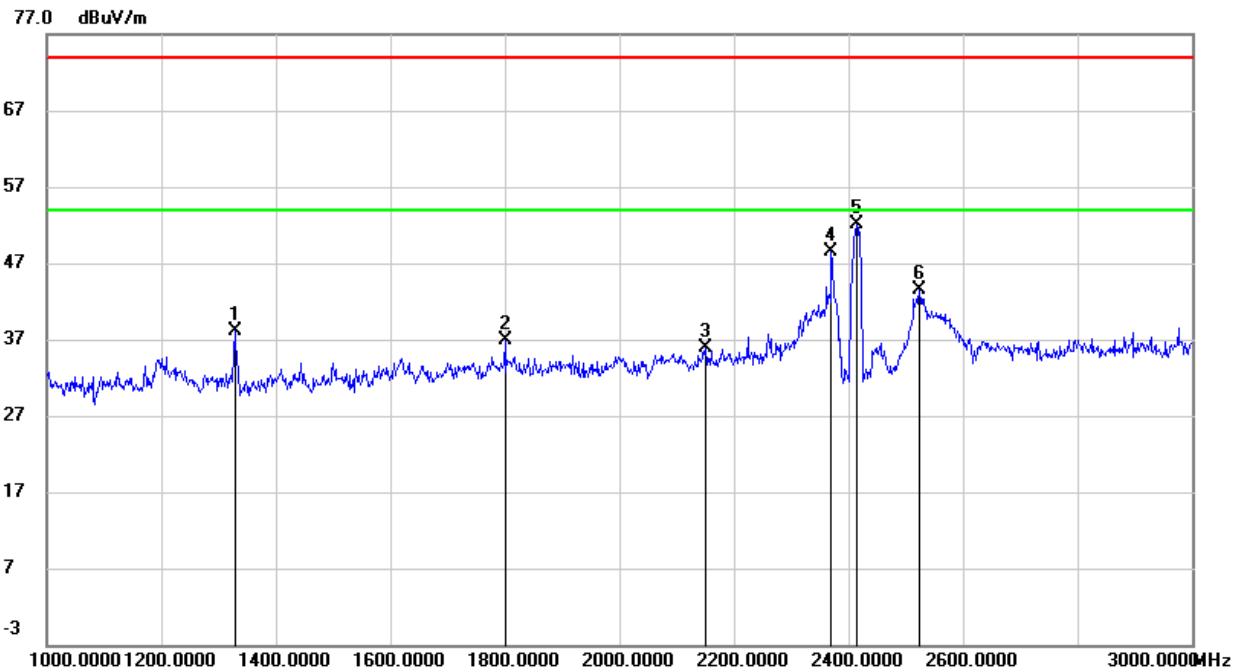
1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	1378.000	48.79	-12.38	36.41	74.00	-37.59	peak
2	1618.000	48.66	-11.31	37.35	74.00	-36.65	peak
3	2082.000	45.69	-9.28	36.41	74.00	-37.59	peak
4	2340.000	48.48	-8.06	40.42	74.00	-33.58	peak
5	2468.000	57.49	-7.39	50.10	74.00	-23.90	peak
6	2700.000	45.38	-7.13	38.25	74.00	-35.75	peak

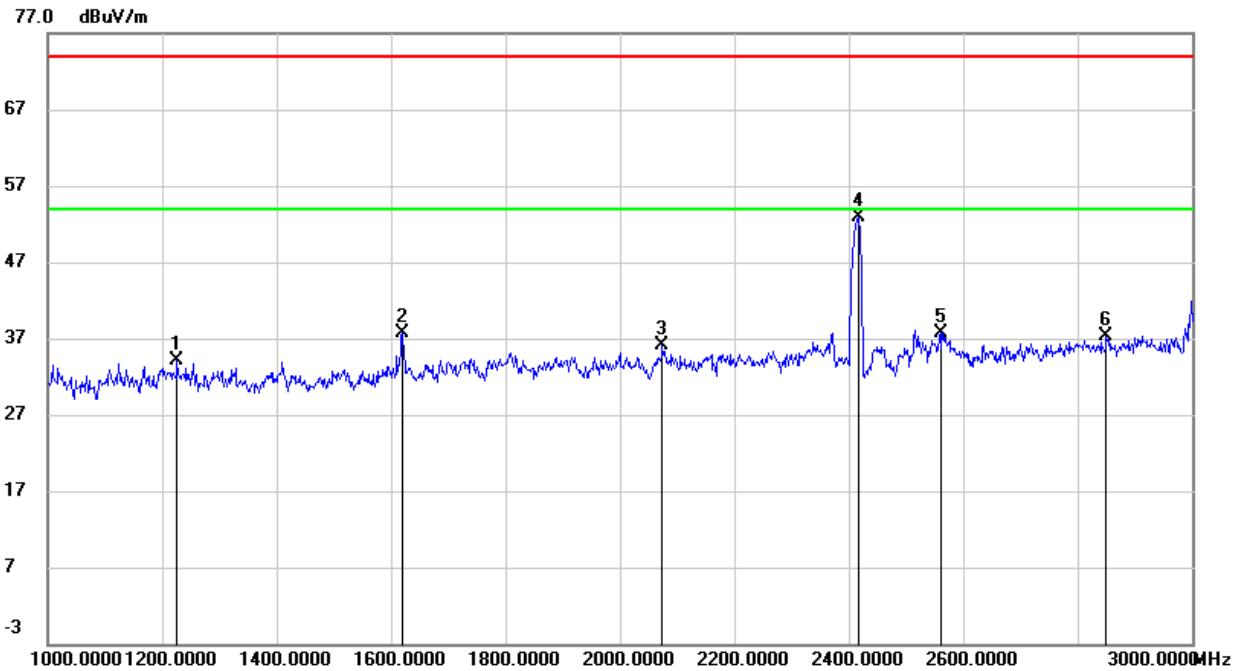
Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

## 7.8.3. 802.11n HT20 MODE

2TX MODE FOR ANT WCT5J-20 (WORST-CASE CONFIGURATION)HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

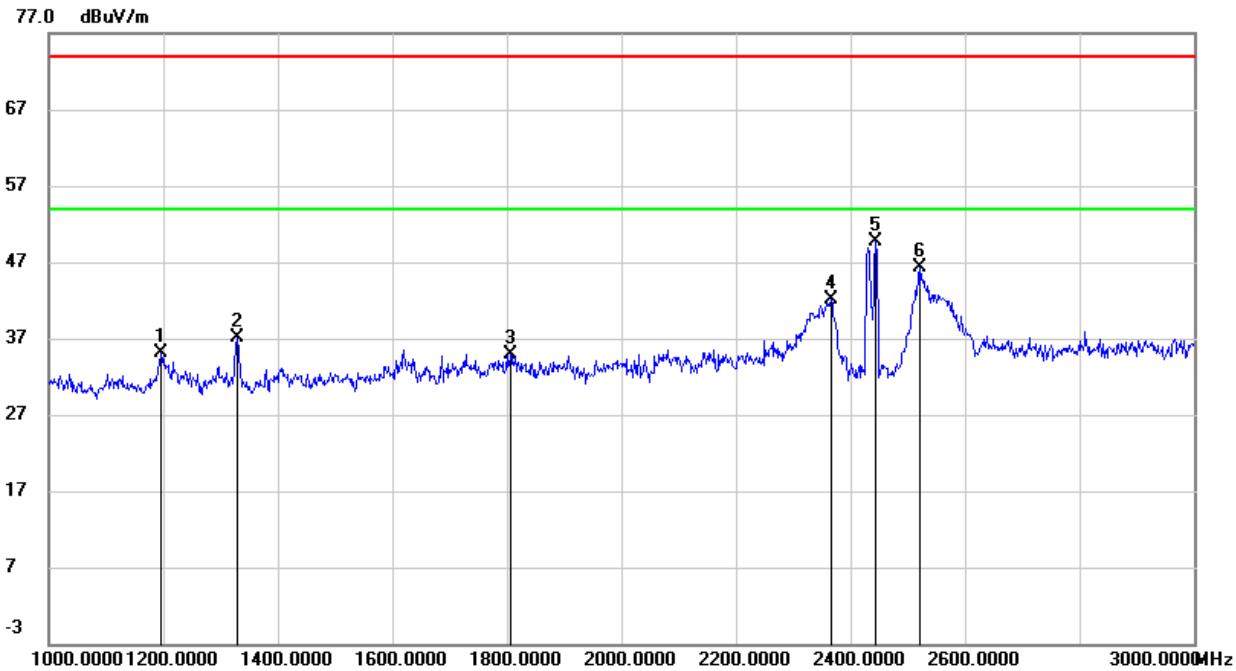
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1328.000	50.52	-12.36	38.16	74.00	-35.84	peak
2	1800.000	46.79	-9.91	36.88	74.00	-37.12	peak
3	2150.000	44.78	-8.91	35.87	74.00	-38.13	peak
4	2370.000	56.41	-7.95	48.46	74.00	-25.54	peak
5	2414.000	59.91	-7.76	52.15	74.00	-21.85	peak
6	2524.000	50.73	-7.29	43.44	74.00	-30.56	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 Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

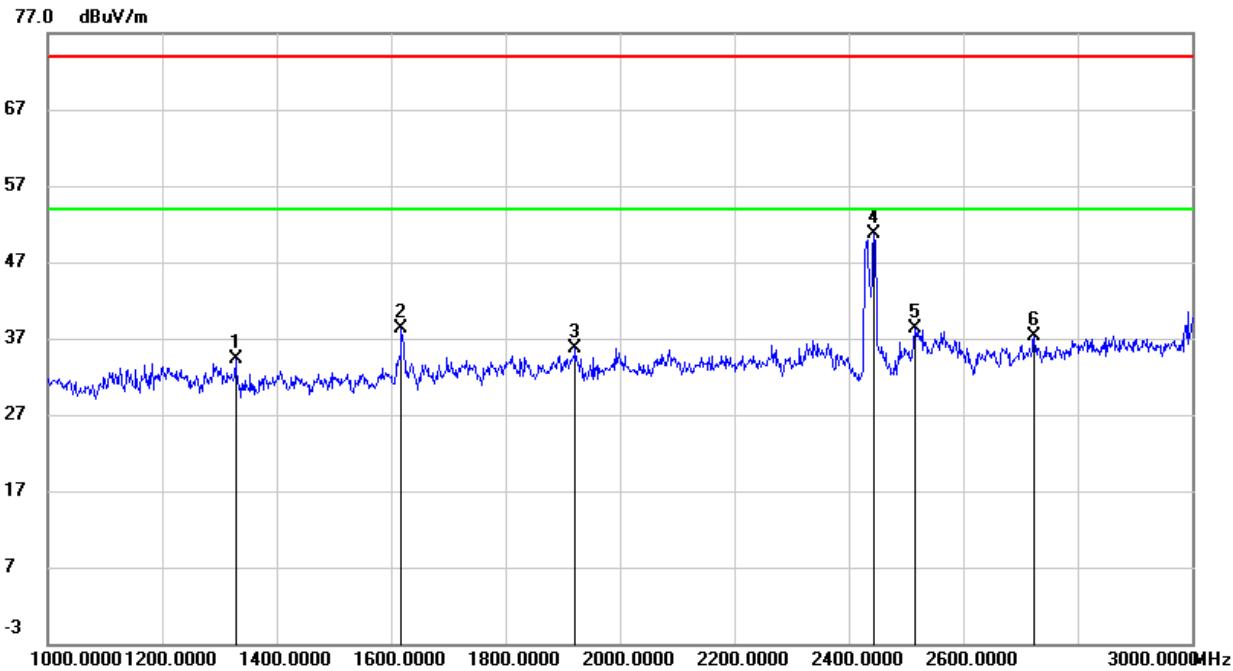
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1226.000	46.65	-12.59	34.06	74.00	-39.94	peak
2	1620.000	48.94	-11.29	37.65	74.00	-36.35	peak
3	2074.000	45.43	-9.33	36.10	74.00	-37.90	peak
4	2416.000	60.71	-7.75	52.96	74.00	-21.04	peak
5	2560.000	45.15	-7.48	37.67	74.00	-36.33	peak
6	2850.000	43.05	-5.79	37.26	74.00	-36.74	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.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

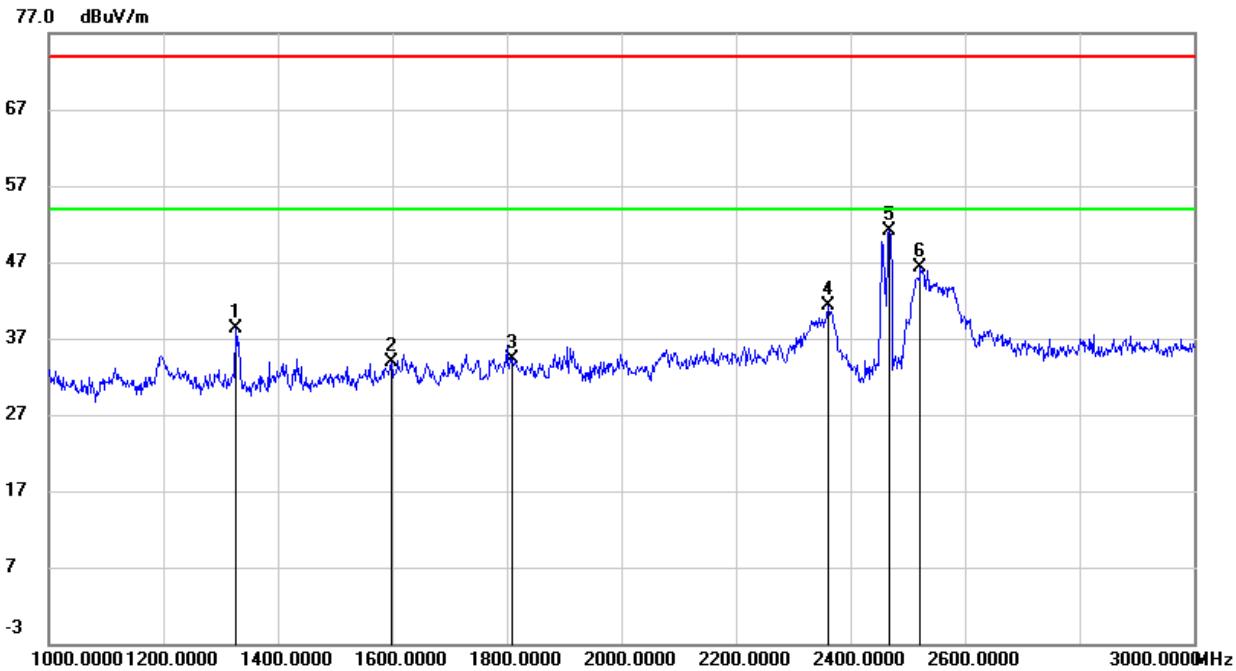
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1196.000	47.81	-12.72	35.09	74.00	-38.91	peak
2	1330.000	49.39	-12.36	37.03	74.00	-36.97	peak
3	1806.000	44.79	-9.92	34.87	74.00	-39.13	peak
4	2366.000	50.07	-7.97	42.10	74.00	-31.90	peak
5	2444.000	57.30	-7.55	49.75	74.00	-24.25	peak
6	2520.000	53.50	-7.27	46.23	74.00	-27.77	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. 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.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

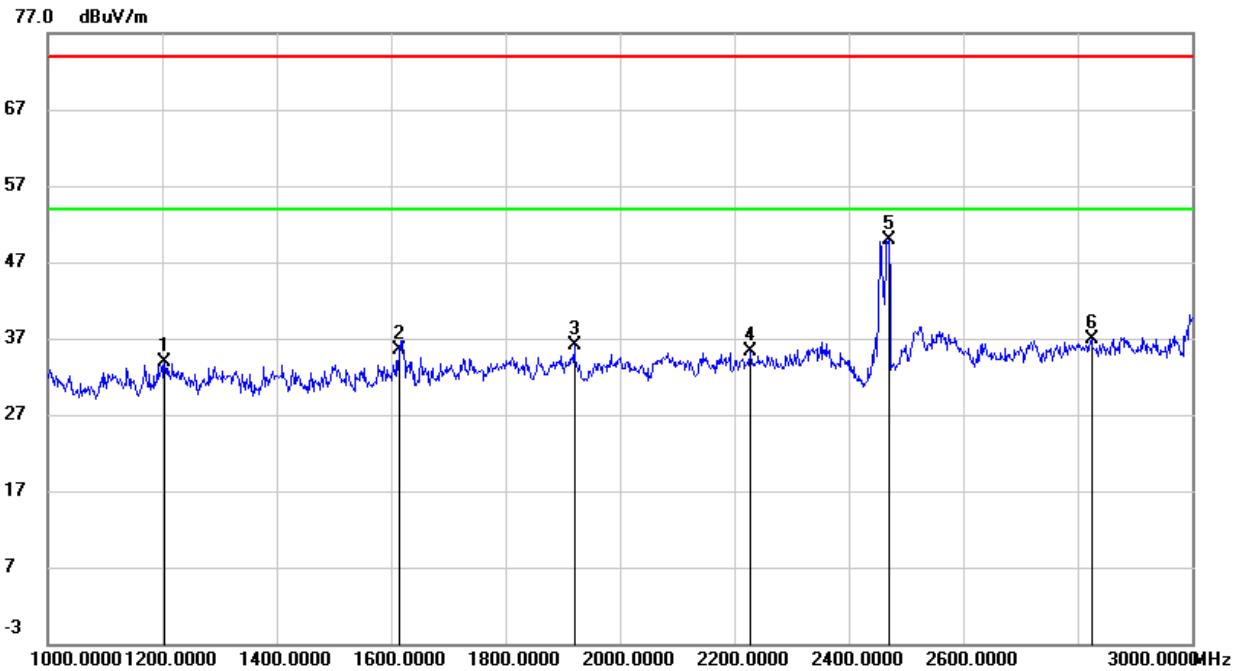
No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	1328.000	46.61	-12.36	34.25	74.00	-39.75	peak
2	1618.000	49.65	-11.31	38.34	74.00	-35.66	peak
3	1922.000	45.65	-9.93	35.72	74.00	-38.28	peak
4	2444.000	58.32	-7.55	50.77	74.00	-23.23	peak
5	2516.000	45.49	-7.25	38.24	74.00	-35.76	peak
6	2724.000	44.15	-6.87	37.28	74.00	-36.72	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 Band reject filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

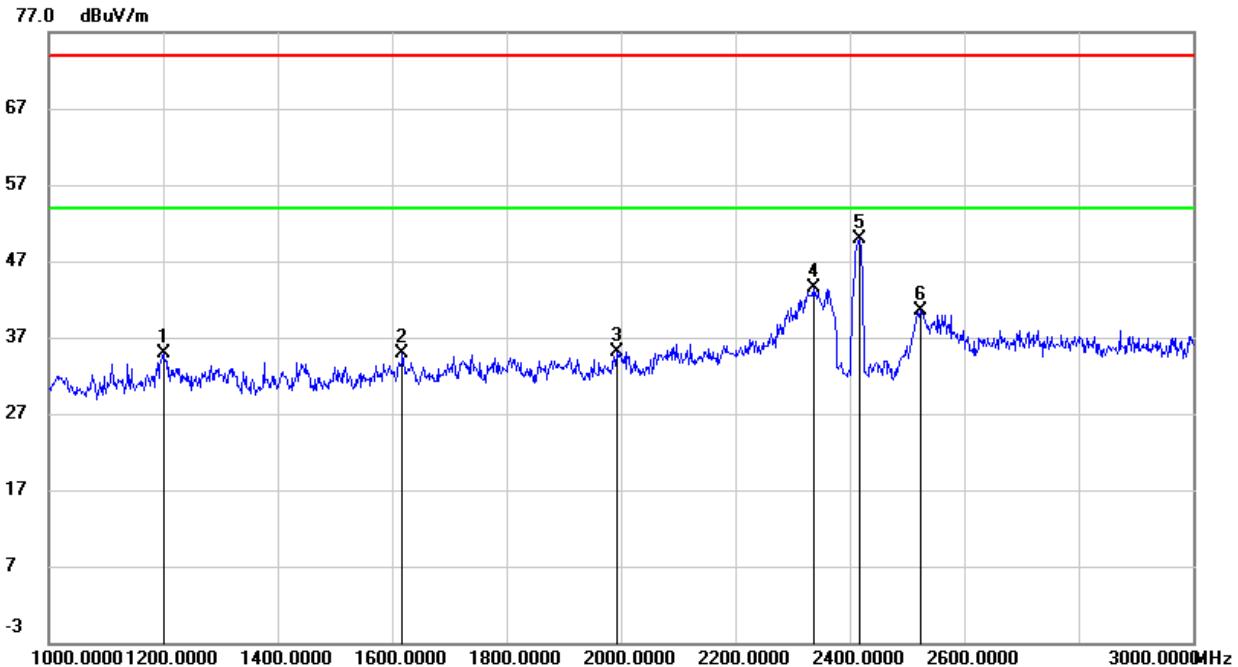
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1326.000	50.67	-12.35	38.32	74.00	-35.68	peak
2	1598.000	45.37	-11.42	33.95	74.00	-40.05	peak
3	1810.000	44.30	-9.92	34.38	74.00	-39.62	peak
4	2360.000	49.29	-7.99	41.30	74.00	-32.70	peak
5	2468.000	58.45	-7.39	51.06	74.00	-22.94	peak
6	2522.000	53.51	-7.28	46.23	74.00	-27.77	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. 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.

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	1204.000	46.55	-12.66	33.89	74.00	-40.11	peak
2	1614.000	46.77	-11.33	35.44	74.00	-38.56	peak
3	1920.000	45.94	-9.93	36.01	74.00	-37.99	peak
4	2228.000	43.91	-8.53	35.38	74.00	-38.62	peak
5	2470.000	57.27	-7.37	49.90	74.00	-24.10	peak
6	2824.000	42.77	-5.92	36.85	74.00	-37.15	peak

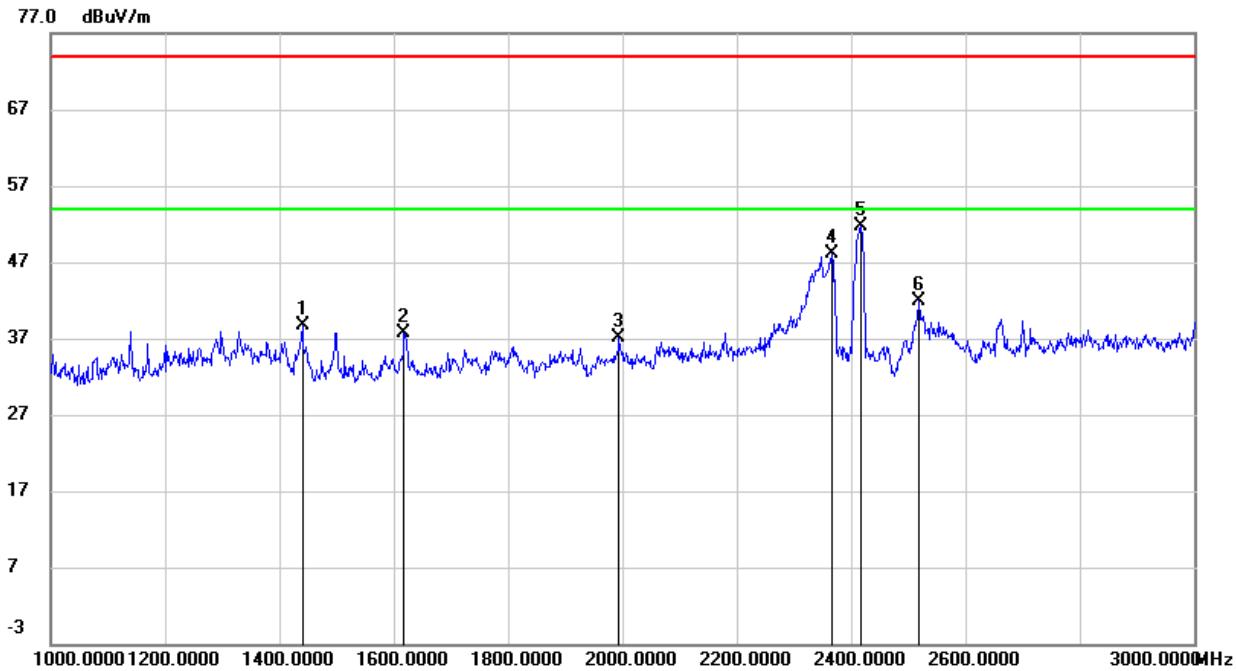
Note: 1. Measurement = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

**2TX MODE FOR ANT WCT5H-20 (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	1200.000	47.67	-12.68	34.99	74.00	-39.01	peak
2	1618.000	46.25	-11.31	34.94	74.00	-39.06	peak
3	1992.000	44.98	-9.83	35.15	74.00	-38.85	peak
4	2336.000	51.49	-8.07	43.42	74.00	-30.58	peak
5	2416.000	57.73	-7.75	49.98	74.00	-24.02	peak
6	2524.000	47.86	-7.29	40.57	74.00	-33.43	peak

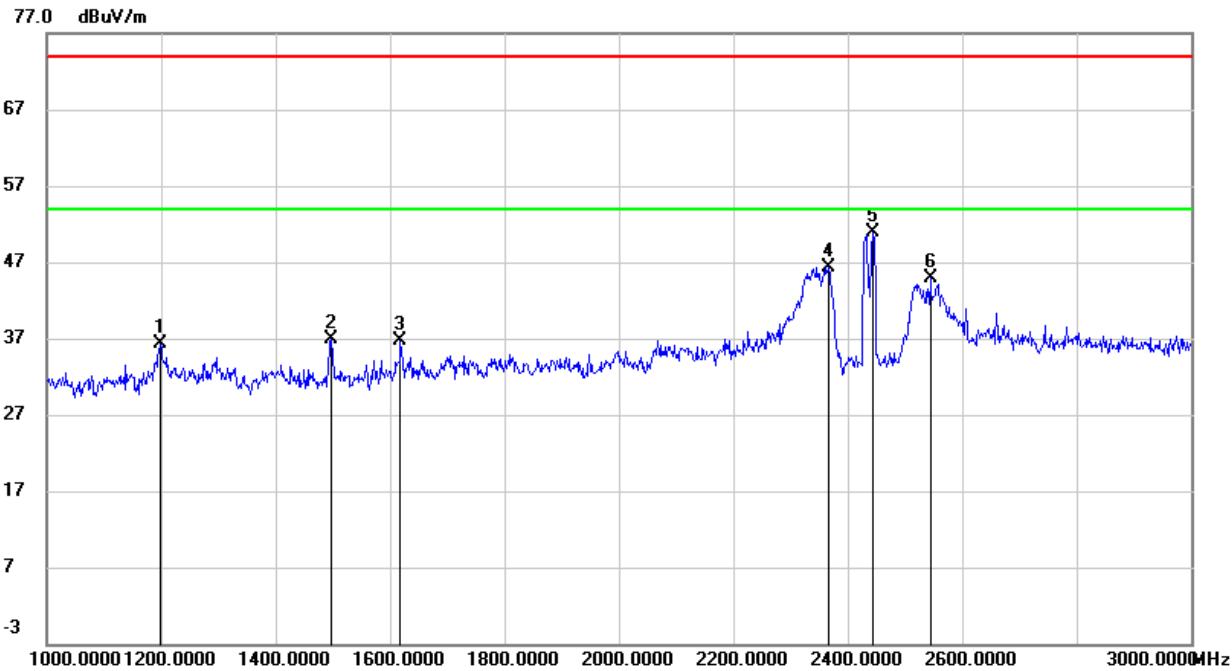
Note:

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.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

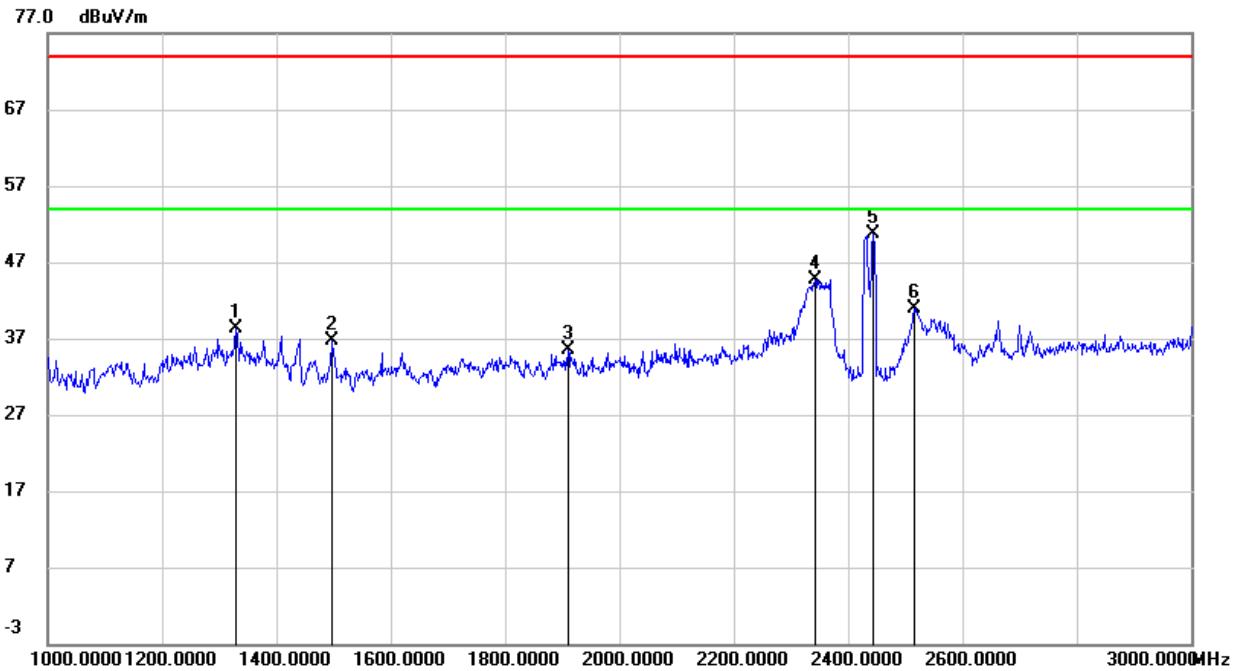
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1440.000	50.99	-12.32	38.67	74.00	-35.33	peak
2	1618.000	49.09	-11.31	37.78	74.00	-36.22	peak
3	1994.000	46.93	-9.83	37.10	74.00	-36.90	peak
4	2366.000	56.10	-7.97	48.13	74.00	-25.87	peak
5	2416.000	59.51	-7.75	51.76	74.00	-22.24	peak
6	2518.000	49.14	-7.27	41.87	74.00	-32.13	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. 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.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

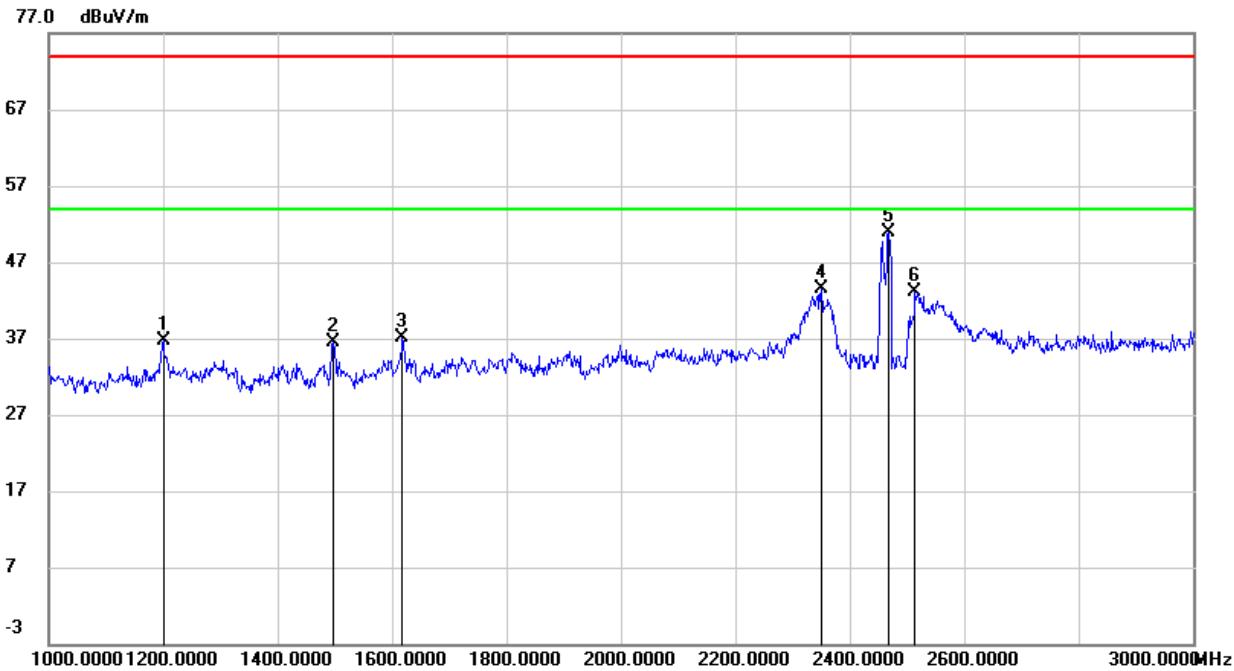
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	49.00	-12.69	36.31	74.00	-37.69	peak
2	1496.000	49.10	-12.22	36.88	74.00	-37.12	peak
3	1618.000	47.95	-11.31	36.64	74.00	-37.36	peak
4	2366.000	54.34	-7.97	46.37	74.00	-27.63	peak
5	2444.000	58.47	-7.55	50.92	74.00	-23.08	peak
6	2544.000	52.36	-7.40	44.96	74.00	-29.04	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 Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

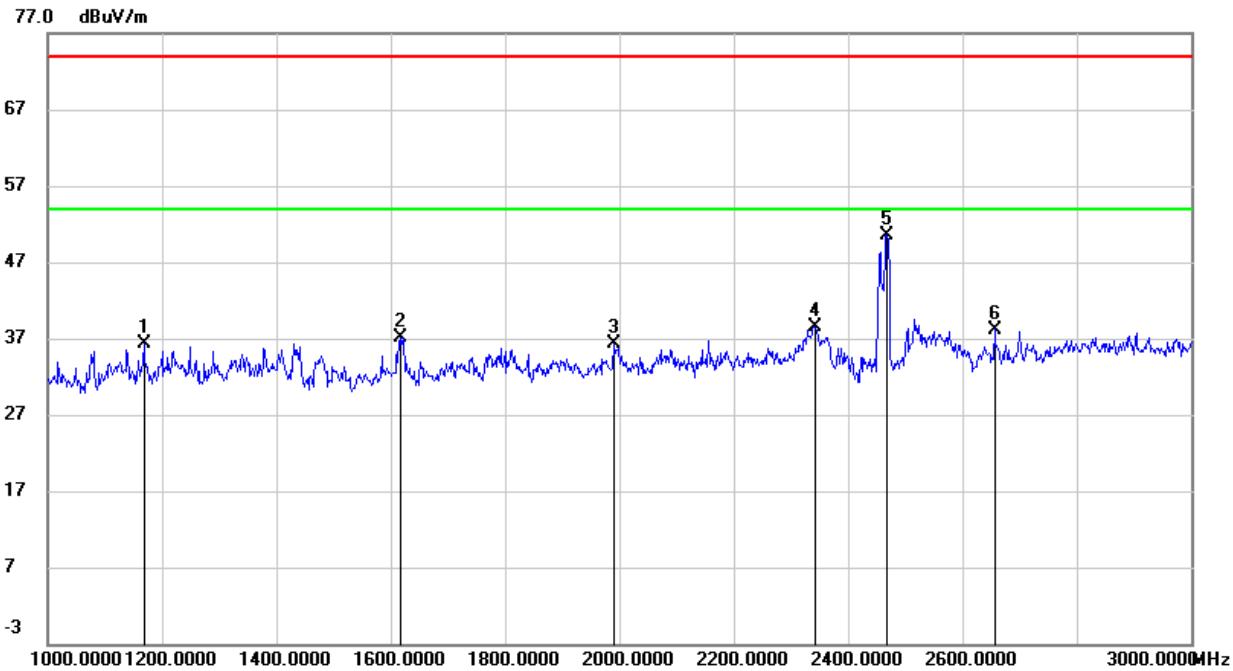
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1328.000	50.75	-12.36	38.39	74.00	-35.61	peak
2	1496.000	48.95	-12.22	36.73	74.00	-37.27	peak
3	1910.000	45.48	-9.93	35.55	74.00	-38.45	peak
4	2342.000	52.75	-8.05	44.70	74.00	-29.30	peak
5	2444.000	58.22	-7.55	50.67	74.00	-23.33	peak
6	2516.000	48.24	-7.25	40.99	74.00	-33.01	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. 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.

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	1200.000	49.29	-12.68	36.61	74.00	-37.39	peak
2	1496.000	48.68	-12.22	36.46	74.00	-37.54	peak
3	1618.000	48.50	-11.31	37.19	74.00	-36.81	peak
4	2350.000	51.50	-8.02	43.48	74.00	-30.52	peak
5	2468.000	58.26	-7.39	50.87	74.00	-23.13	peak
6	2514.000	50.25	-7.24	43.01	74.00	-30.99	peak

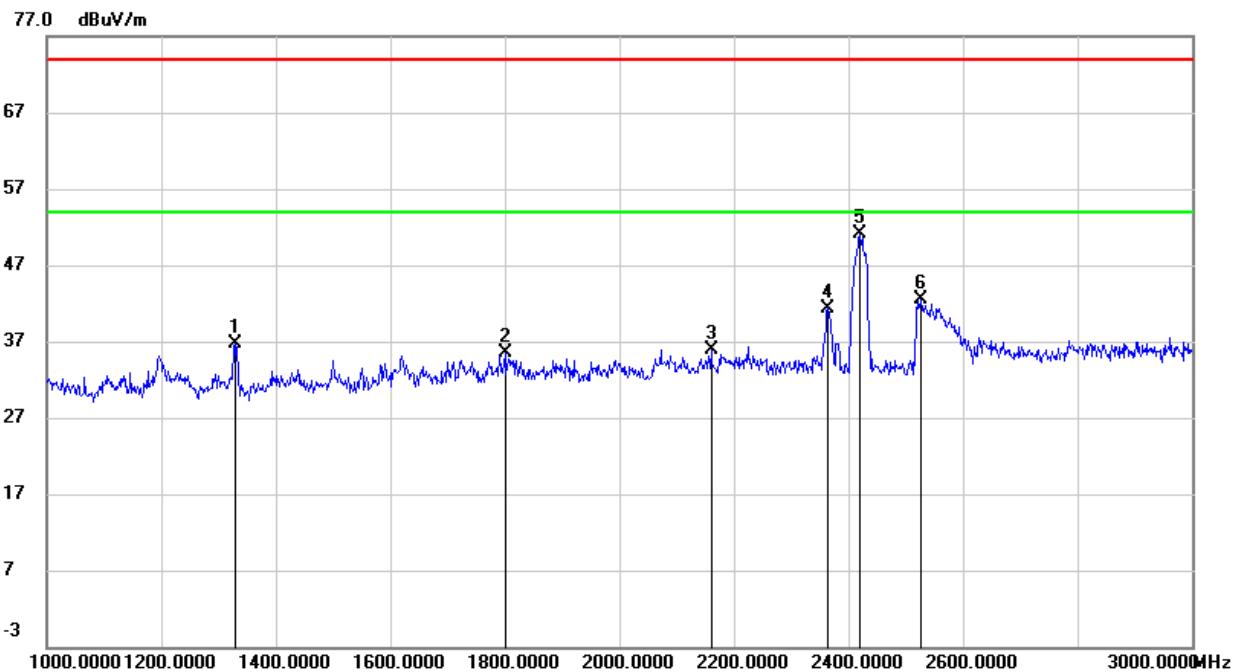
Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	1168.000	49.21	-12.95	36.26	74.00	-37.74	peak
2	1618.000	48.40	-11.31	37.09	74.00	-36.91	peak
3	1990.000	46.14	-9.84	36.30	74.00	-37.70	peak
4	2342.000	46.59	-8.05	38.54	74.00	-35.46	peak
5	2468.000	57.95	-7.39	50.56	74.00	-23.44	peak
6	2656.000	45.58	-7.38	38.20	74.00	-35.80	peak

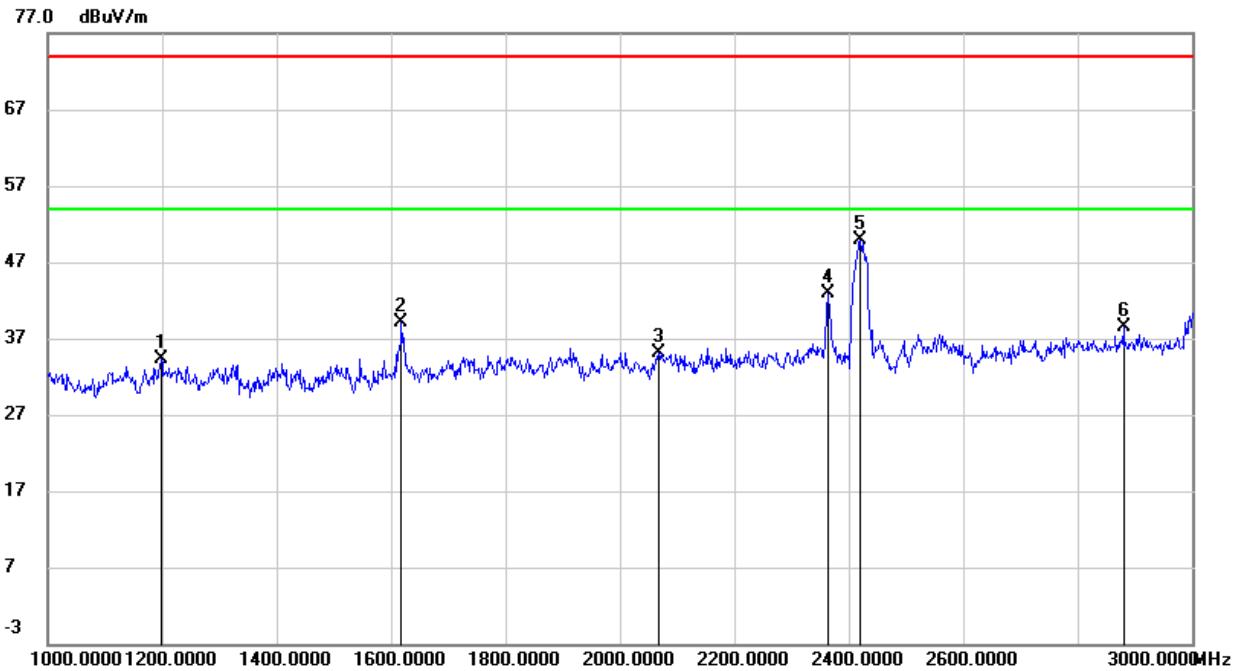
Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

## 7.8.4. 802.11n HT40 MODE

2TX MODE FOR ANT WCT5J-20 (WORST-CASE CONFIGURATION)HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

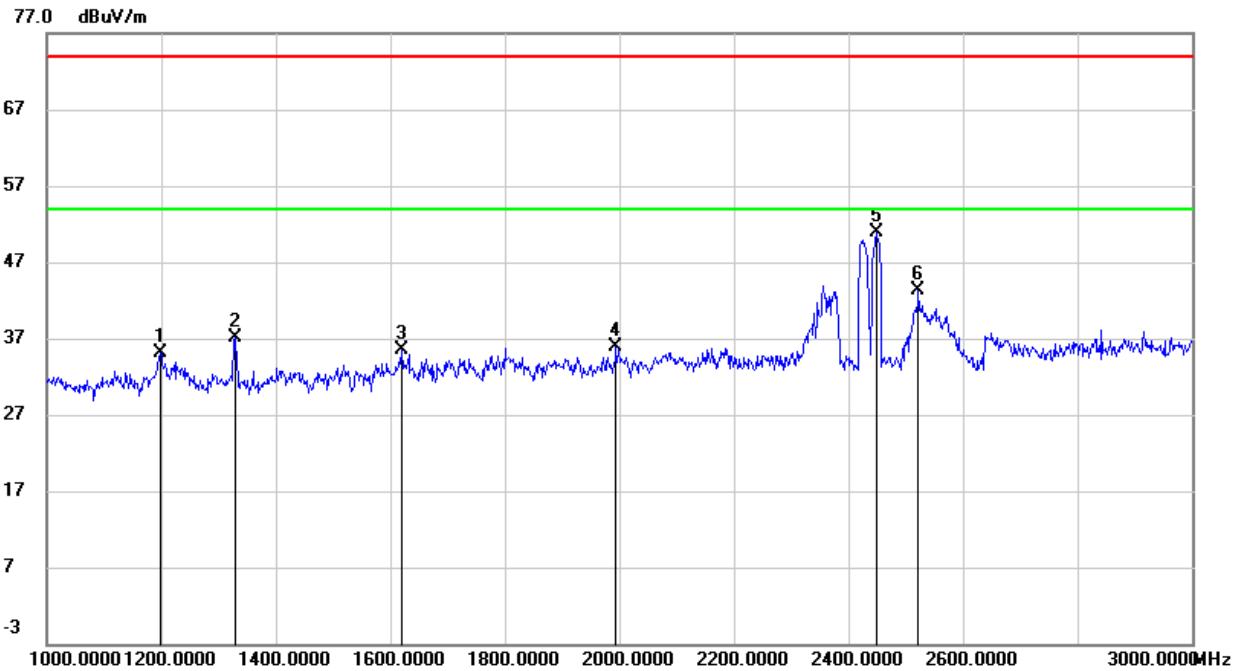
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1328.000	49.12	-12.36	36.76	74.00	-37.24	peak
2	1800.000	45.51	-9.91	35.60	74.00	-38.40	peak
3	2160.000	44.86	-8.86	36.00	74.00	-38.00	peak
4	2364.000	49.38	-7.98	41.40	74.00	-32.60	peak
5	2420.000	58.86	-7.72	51.14	74.00	-22.86	peak
6	2526.000	49.91	-7.31	42.60	74.00	-31.40	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. 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.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

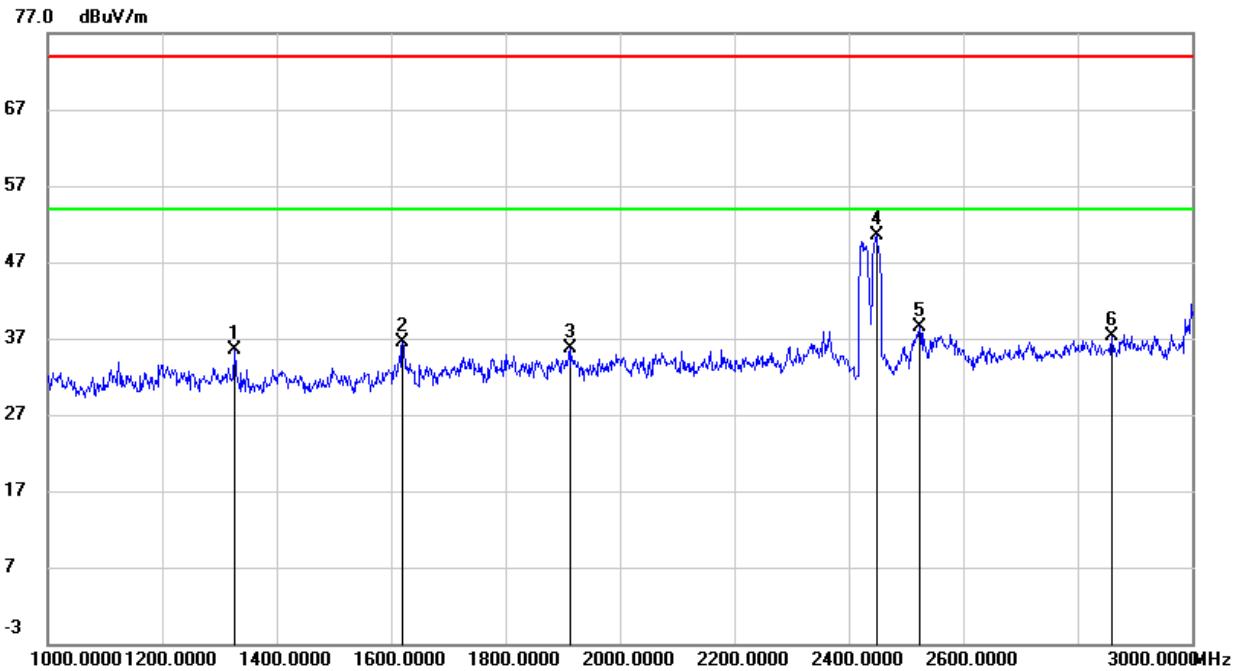
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	46.94	-12.69	34.25	74.00	-39.75	peak
2	1618.000	50.37	-11.31	39.06	74.00	-34.94	peak
3	2068.000	44.54	-9.37	35.17	74.00	-38.83	peak
4	2364.000	50.97	-7.98	42.99	74.00	-31.01	peak
5	2420.000	57.64	-7.72	49.92	74.00	-24.08	peak
6	2880.000	44.05	-5.62	38.43	74.00	-35.57	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 Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

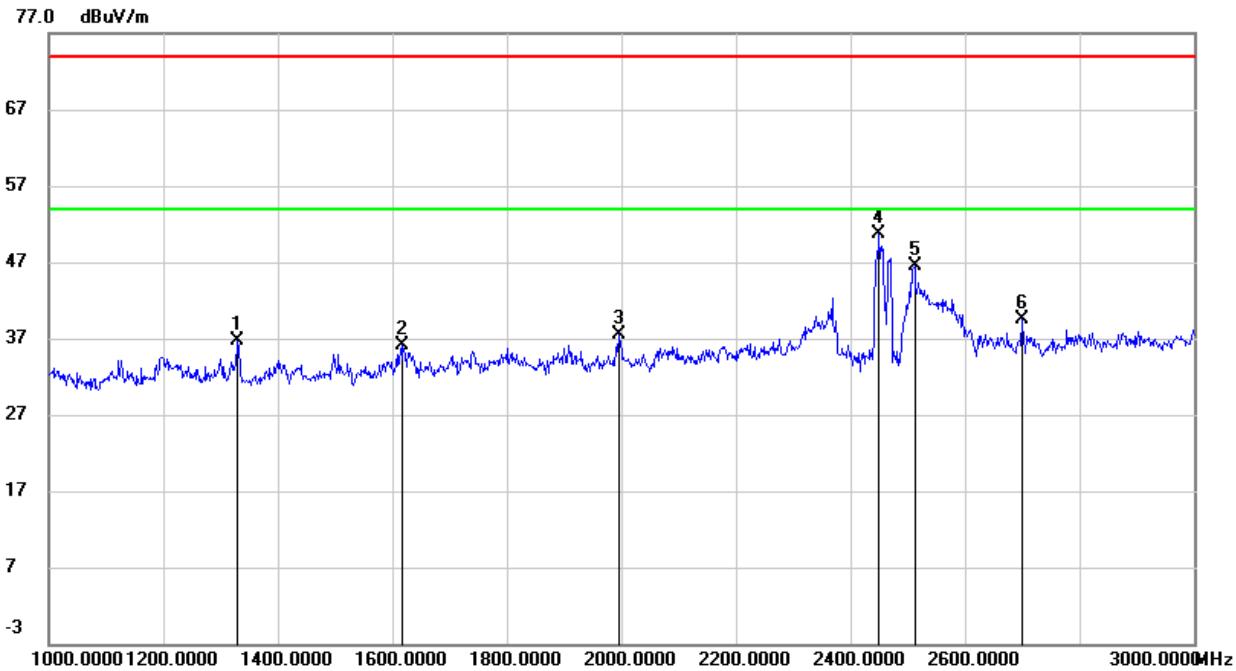
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	47.85	-12.69	35.16	74.00	-38.84	peak
2	1328.000	49.53	-12.36	37.17	74.00	-36.83	peak
3	1620.000	46.71	-11.29	35.42	74.00	-38.58	peak
4	1994.000	45.76	-9.83	35.93	74.00	-38.07	peak
5	2448.000	58.49	-7.52	50.97	74.00	-23.03	peak
6	2522.000	50.63	-7.28	43.35	74.00	-30.65	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.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

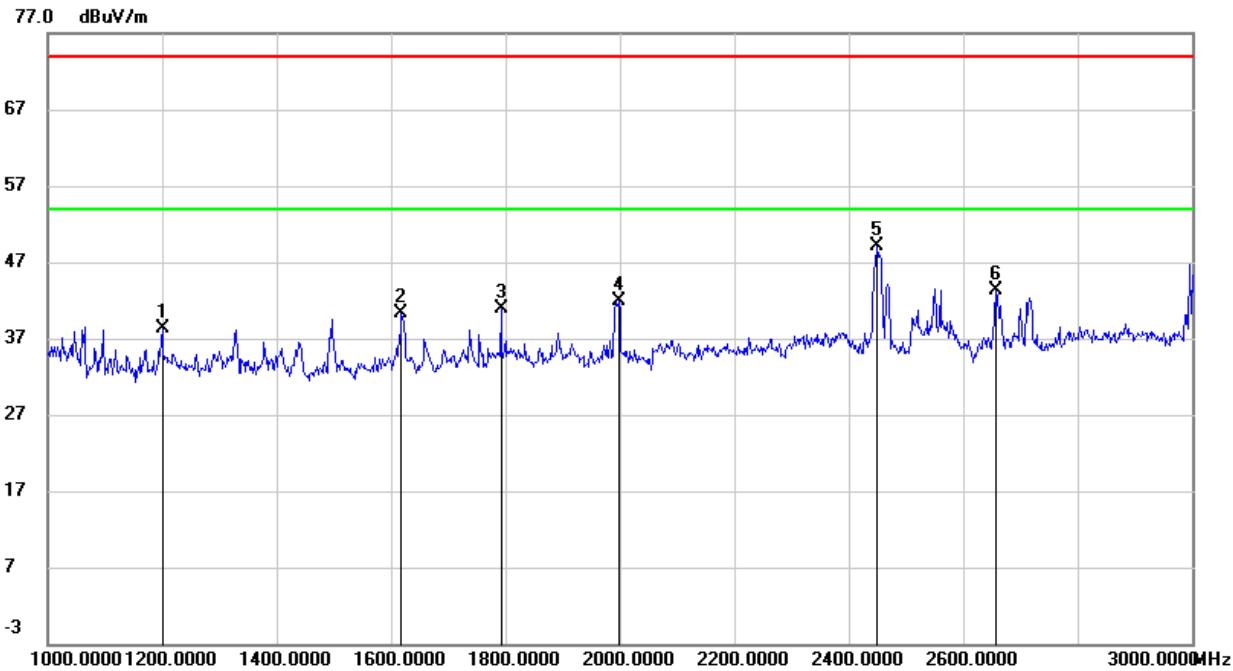
No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	1326.000	47.88	-12.35	35.53	74.00	-38.47	peak
2	1620.000	47.72	-11.29	36.43	74.00	-37.57	peak
3	1912.000	45.70	-9.93	35.77	74.00	-38.23	peak
4	2448.000	58.09	-7.52	50.57	74.00	-23.43	peak
5	2524.000	45.76	-7.29	38.47	74.00	-35.53	peak
6	2860.000	43.02	-5.73	37.29	74.00	-36.71	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. 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.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

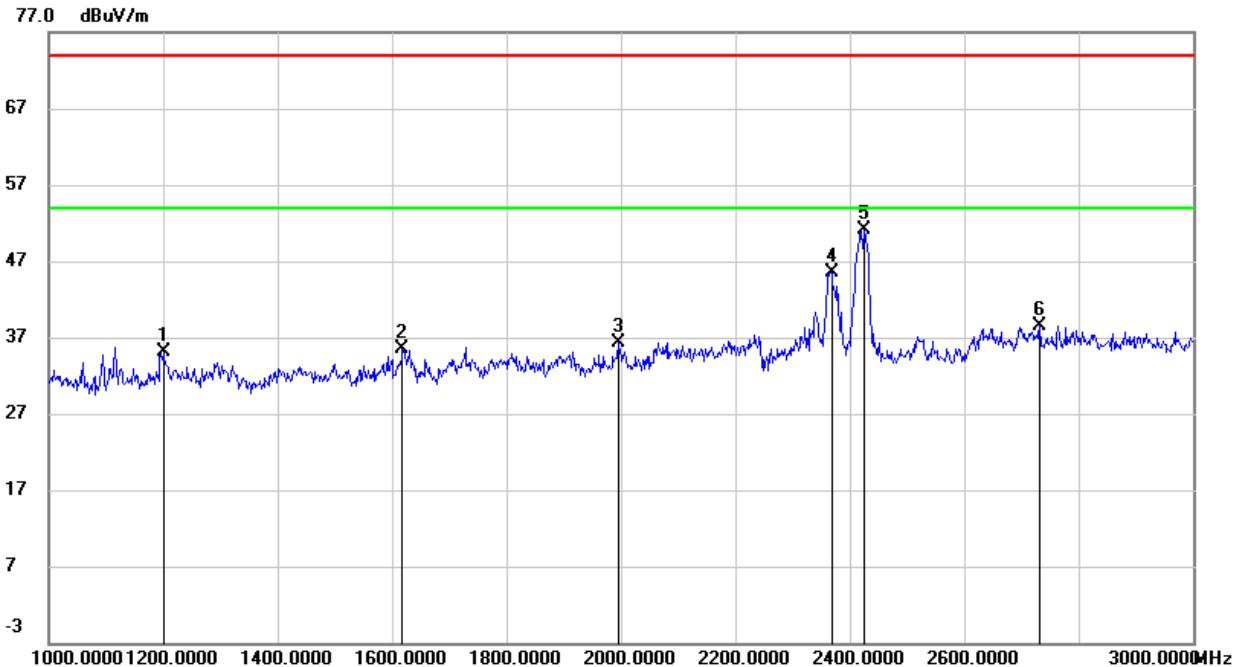
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1330.000	49.10	-12.36	36.74	74.00	-37.26	peak
2	1618.000	47.36	-11.31	36.05	74.00	-37.95	peak
3	1996.000	47.31	-9.83	37.48	74.00	-36.52	peak
4	2450.000	58.18	-7.51	50.67	74.00	-23.33	peak
5	2512.000	53.70	-7.23	46.47	74.00	-27.53	peak
6	2700.000	46.61	-7.13	39.48	74.00	-34.52	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.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

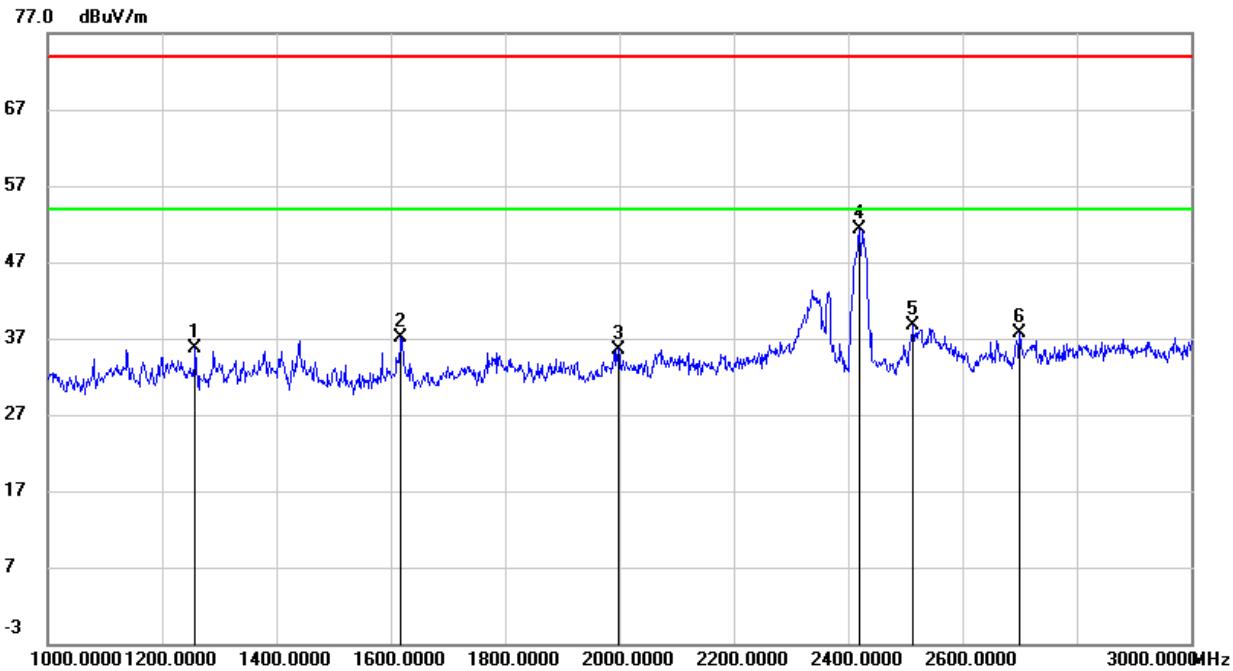
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1200.000	50.98	-12.68	38.30	74.00	-35.70	peak
2	1618.000	51.67	-11.31	40.36	74.00	-33.64	peak
3	1792.000	50.89	-9.99	40.90	74.00	-33.10	peak
4	1998.000	51.78	-9.83	41.95	74.00	-32.05	peak
5	2450.000	56.68	-7.51	49.17	74.00	-24.83	peak
6	2656.000	50.75	-7.38	43.37	74.00	-30.63	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.

**2TX MODE FOR ANT WCT5H-20 (WORST-CASE CONFIGURATION)****HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**

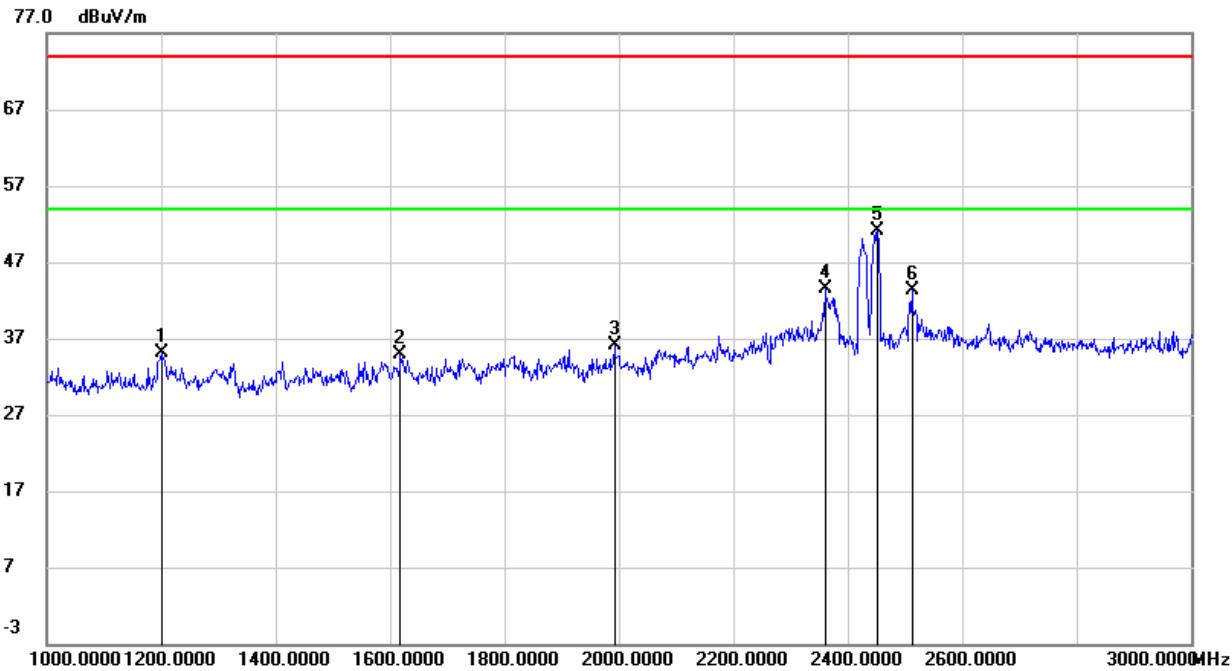
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1200.000	47.81	-12.68	35.13	74.00	-38.87	peak
2	1618.000	46.74	-11.31	35.43	74.00	-38.57	peak
3	1996.000	46.22	-9.83	36.39	74.00	-37.61	peak
4	2368.000	53.41	-7.96	45.45	74.00	-28.55	peak
5	2426.000	58.82	-7.67	51.15	74.00	-22.85	peak
6	2732.000	45.35	-6.78	38.57	74.00	-35.43	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.

**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**

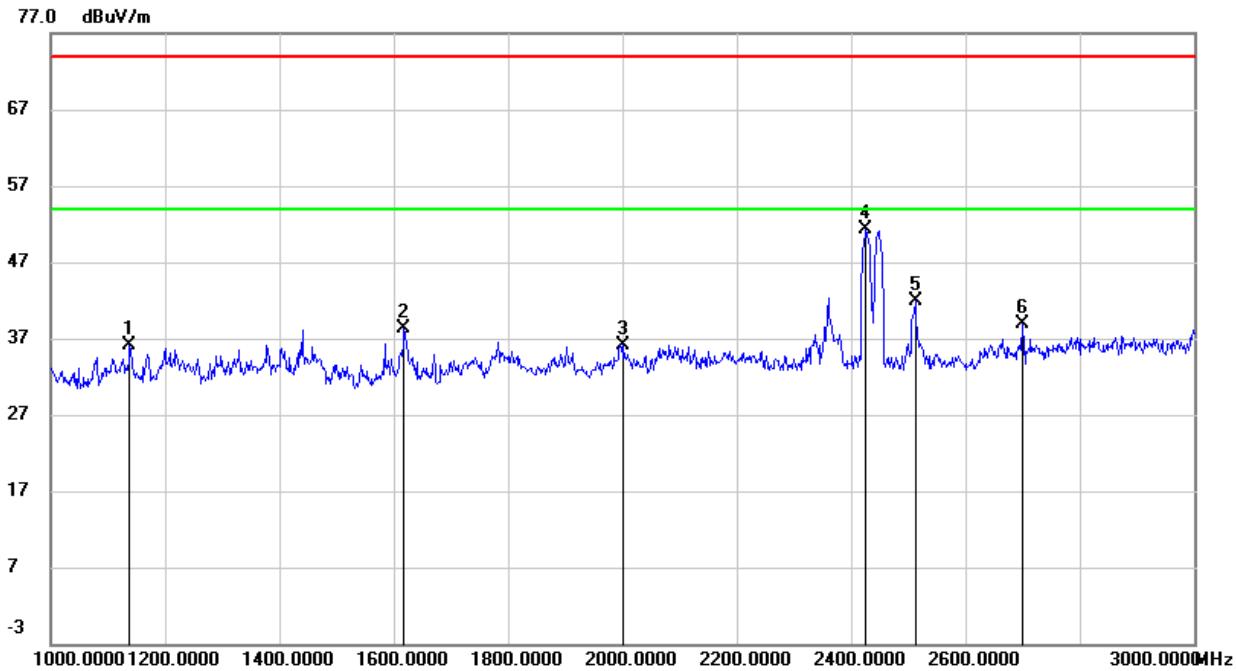
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1258.000	48.10	-12.49	35.61	74.00	-38.39	peak
2	1618.000	48.51	-11.31	37.20	74.00	-36.80	peak
3	1998.000	45.43	-9.83	35.60	74.00	-38.40	peak
4	2420.000	58.95	-7.72	51.23	74.00	-22.77	peak
5	2514.000	45.85	-7.24	38.61	74.00	-35.39	peak
6	2700.000	44.93	-7.13	37.80	74.00	-36.20	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. 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.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

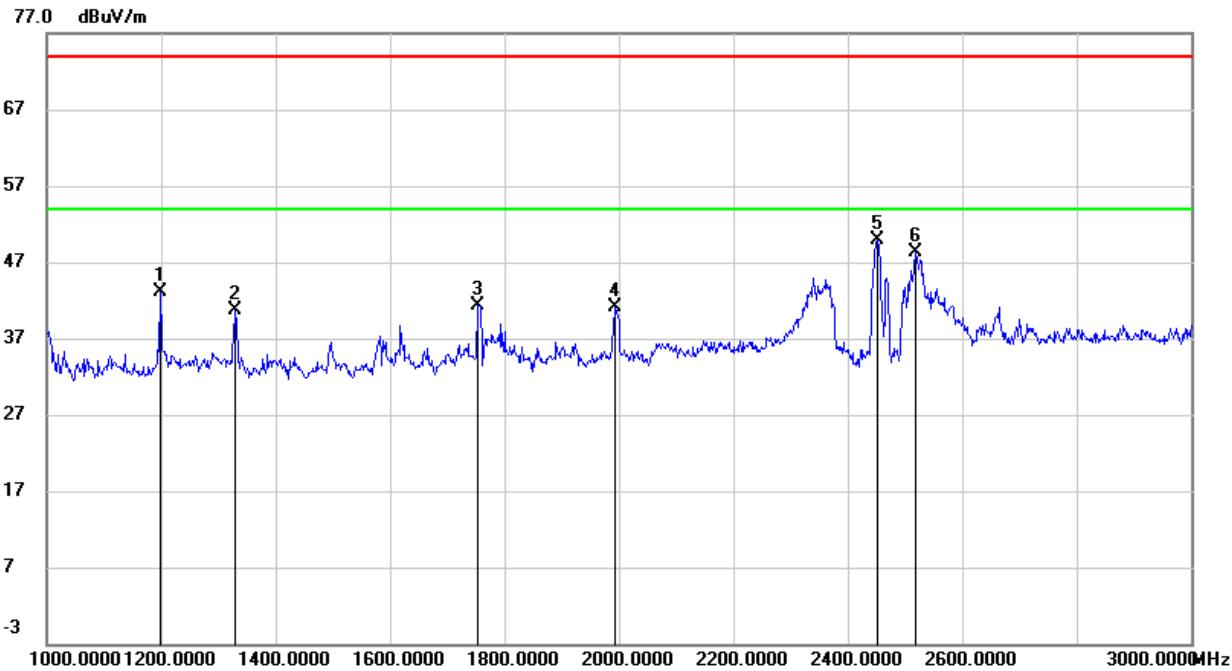
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1200.000	47.80	-12.68	35.12	74.00	-38.88	peak
2	1618.000	46.20	-11.31	34.89	74.00	-39.11	peak
3	1992.000	46.02	-9.83	36.19	74.00	-37.81	peak
4	2360.000	51.54	-7.99	43.55	74.00	-30.45	peak
5	2452.000	58.63	-7.50	51.13	74.00	-22.87	peak
6	2512.000	50.61	-7.23	43.38	74.00	-30.62	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.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

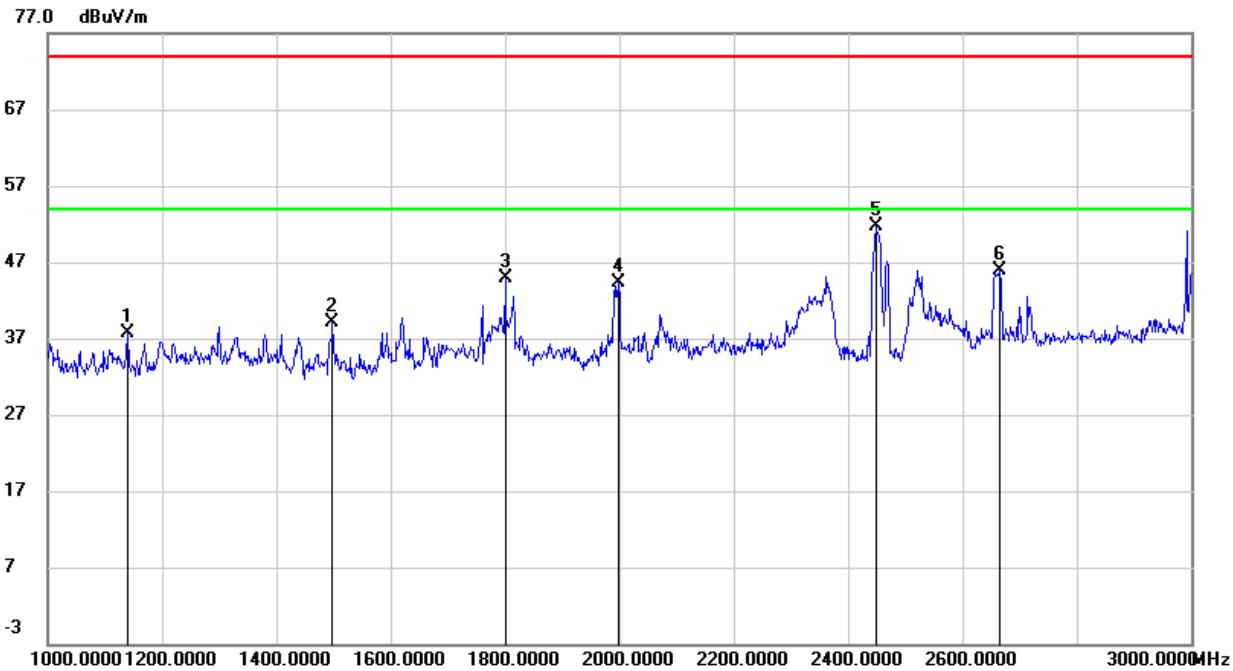
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1138.000	49.28	-13.19	36.09	74.00	-37.91	peak
2	1618.000	49.63	-11.31	38.32	74.00	-35.68	peak
3	2002.000	45.98	-9.81	36.17	74.00	-37.83	peak
4	2426.000	58.93	-7.67	51.26	74.00	-22.74	peak
5	2512.000	49.15	-7.23	41.92	74.00	-32.08	peak
6	2700.000	45.94	-7.13	38.81	74.00	-35.19	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.

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	1198.000	55.72	-12.69	43.03	74.00	-30.97	peak
2	1330.000	53.00	-12.36	40.64	74.00	-33.36	peak
3	1752.000	51.69	-10.39	41.30	74.00	-32.70	peak
4	1994.000	51.03	-9.83	41.20	74.00	-32.80	peak
5	2452.000	57.49	-7.50	49.99	74.00	-24.01	peak
6	2518.000	55.67	-7.27	48.40	74.00	-25.60	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.

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	1140.000	50.85	-13.19	37.66	74.00	-36.34	peak
2	1498.000	51.36	-12.21	39.15	74.00	-34.85	peak
3	1800.000	54.90	-9.91	44.99	74.00	-29.01	peak
4	1998.000	54.23	-9.83	44.40	74.00	-29.60	peak
5	2448.000	59.21	-7.52	51.69	74.00	-22.31	peak
6	2666.000	53.25	-7.32	45.93	74.00	-28.07	peak

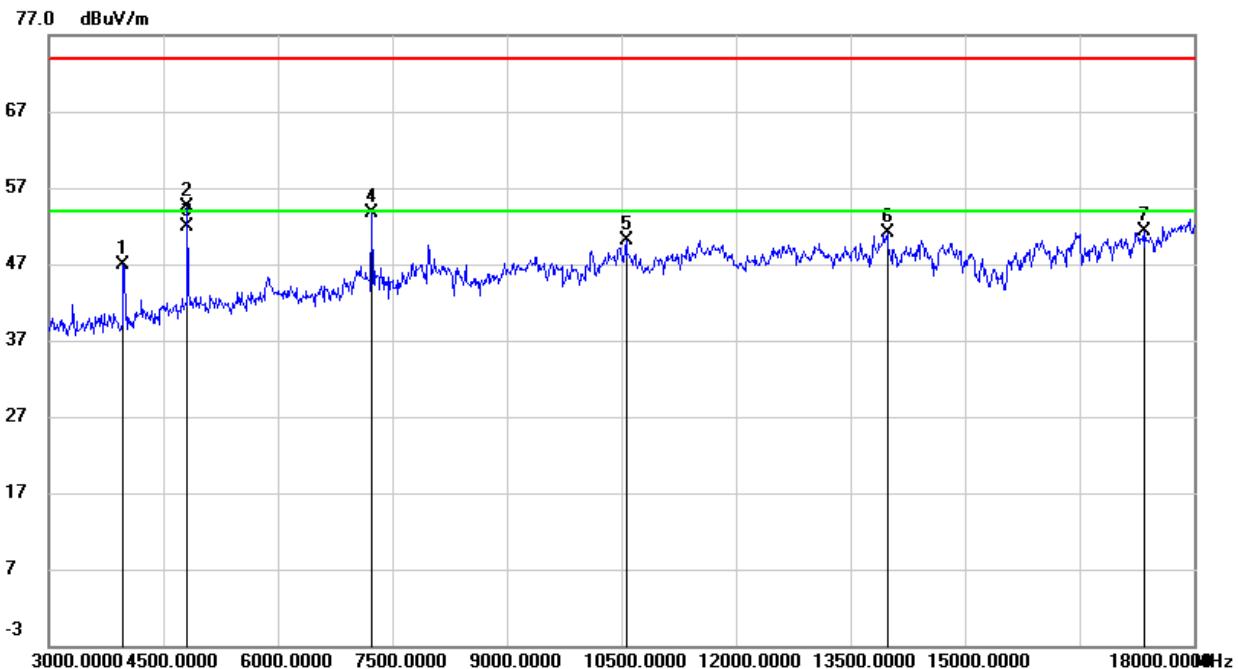
Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

## 7.9. SPURIOUS EMISSIONS (3~18GHz)

### 7.9.1. 802.11b MODE

#### 1TX MODE FOR ANT1 WCT5J-20 (WORST-CASE CONFIGURATION)

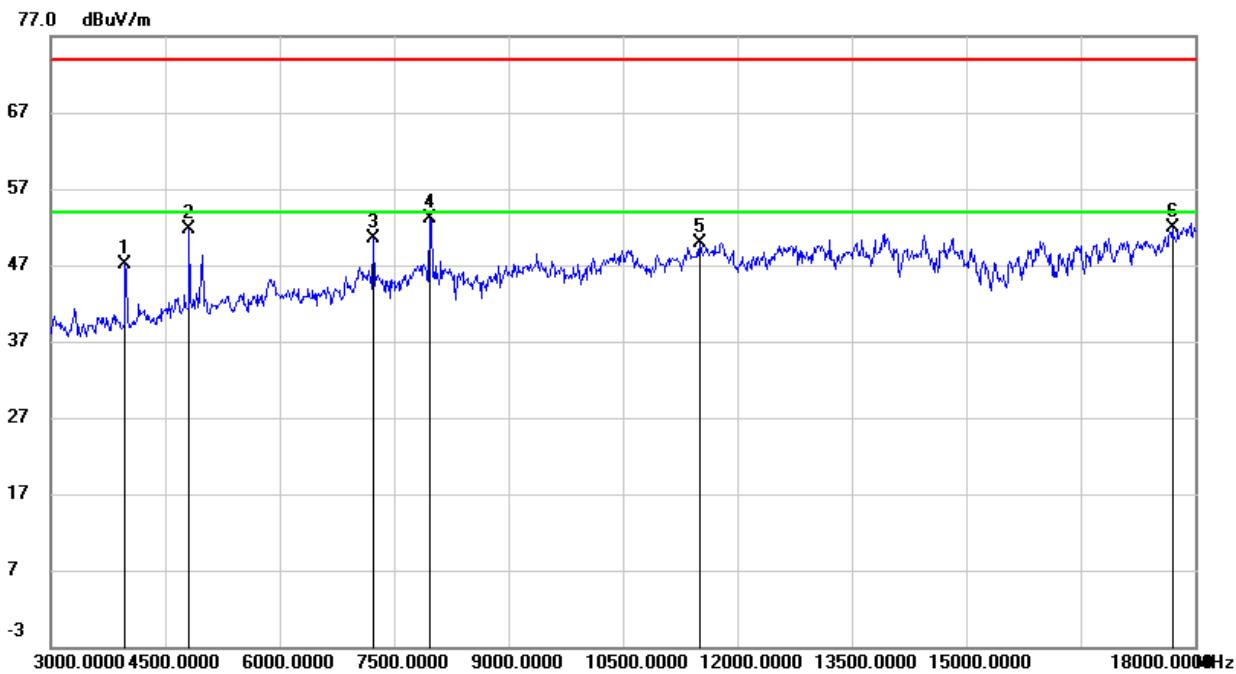
#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	49.77	-2.90	46.87	74.00	-27.13	peak
2	4823.891	53.93	0.56	54.49	74.00	-19.51	peak
3	4823.891	51.30	0.56	51.86	54.00	-2.14	AVG
4	7230.000	47.85	5.89	53.74	74.00	-20.26	peak
5	10560.000	38.35	11.73	50.08	74.00	-23.92	peak
6	13980.000	34.98	16.07	51.05	74.00	-22.95	peak
7	17340.000	29.73	21.61	51.34	74.00	-22.66	peak

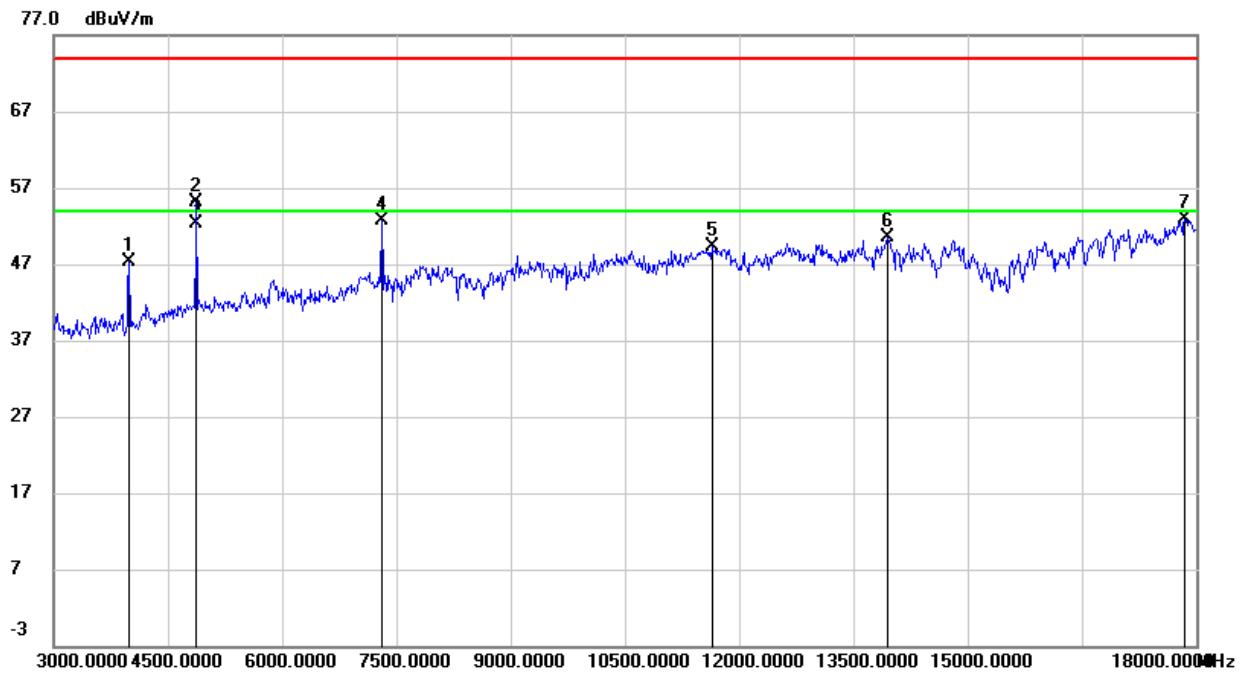
Note:

1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
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 High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	50.10	-2.90	47.20	74.00	-26.80	peak
2	4815.000	51.21	0.51	51.72	74.00	-22.28	peak
3	7230.000	44.53	5.89	50.42	74.00	-23.58	peak
4	7965.000	46.06	7.00	53.06	74.00	-20.94	peak
5	11505.000	36.54	13.42	49.96	74.00	-24.04	peak
6	17700.000	29.43	22.43	51.86	74.00	-22.14	peak

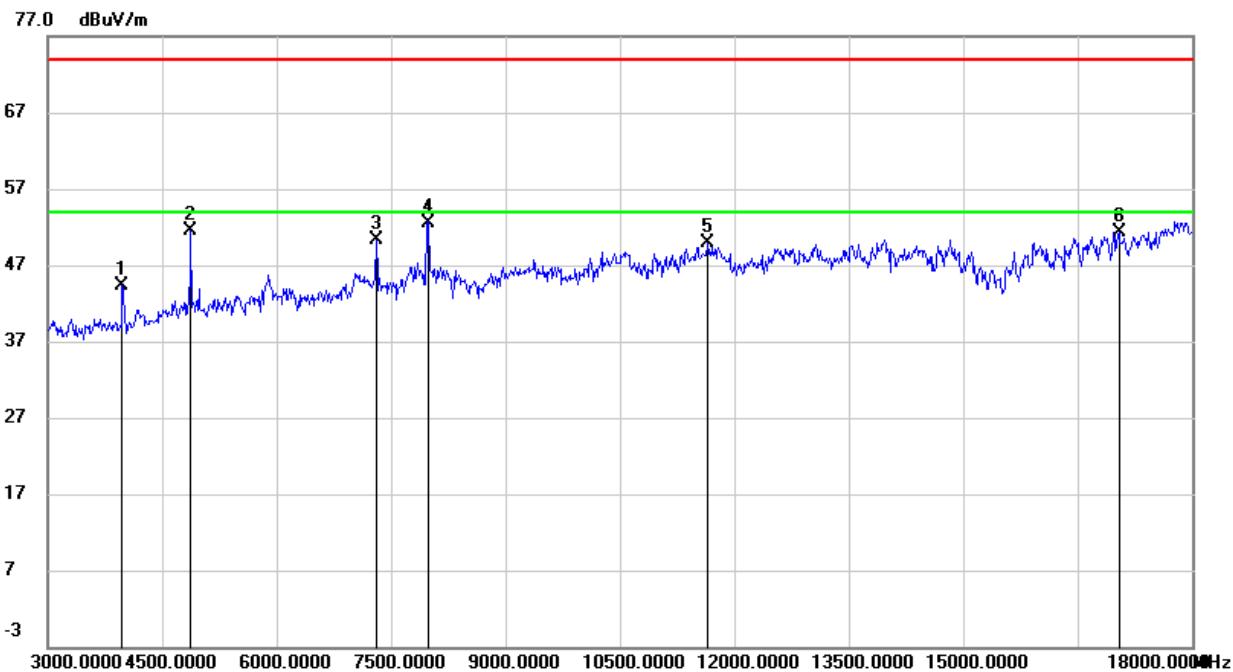
Note: 1. Peak Result = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	50.16	-2.89	47.27	74.00	-26.73	peak
2	4873.921	54.42	0.75	55.17	74.00	-18.83	peak
3	4873.921	51.49	0.75	52.24	54.00	-1.76	AVG
4	7305.000	46.70	6.08	52.78	74.00	-21.22	peak
5	11640.000	36.15	13.09	49.24	74.00	-24.76	peak
6	13950.000	34.46	16.11	50.57	74.00	-23.43	peak
7	17850.000	29.59	23.32	52.91	74.00	-21.09	peak

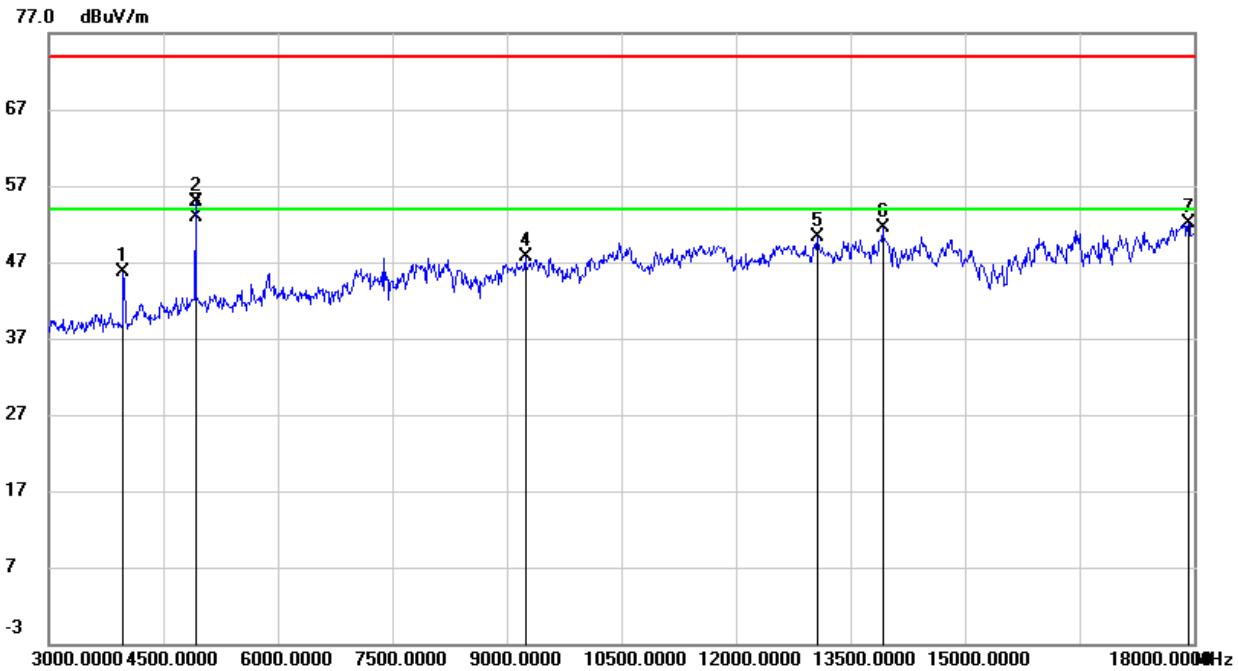
Note:

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 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 High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	47.23	-2.90	44.33	74.00	-29.67	peak
2	4875.000	50.67	0.76	51.43	74.00	-22.57	peak
3	7305.000	44.24	6.08	50.32	74.00	-23.68	peak
4	7995.000	45.71	6.89	52.60	74.00	-21.40	peak
5	11655.000	36.81	13.06	49.87	74.00	-24.13	peak
6	17040.000	30.90	20.49	51.39	74.00	-22.61	peak

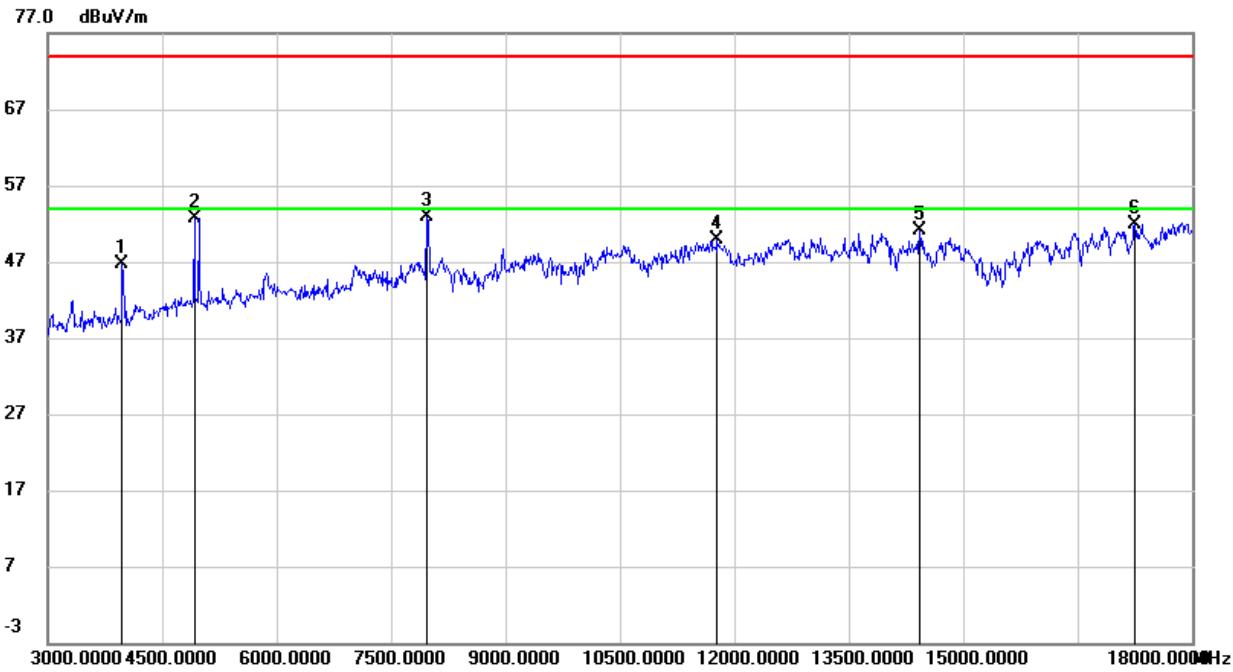
Note: 1. Peak Result = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	48.65	-2.90	45.75	74.00	-28.25	peak
2	4923.996	53.92	0.98	54.90	74.00	-19.10	peak
3	4923.996	52.00	0.98	52.98	54.00	-1.02	AVG
4	9240.000	38.87	8.79	47.66	74.00	-26.34	peak
5	13065.000	35.17	15.11	50.28	74.00	-23.72	peak
6	13920.000	35.39	16.17	51.56	74.00	-22.44	peak
7	17925.000	28.65	23.37	52.02	74.00	-21.98	peak

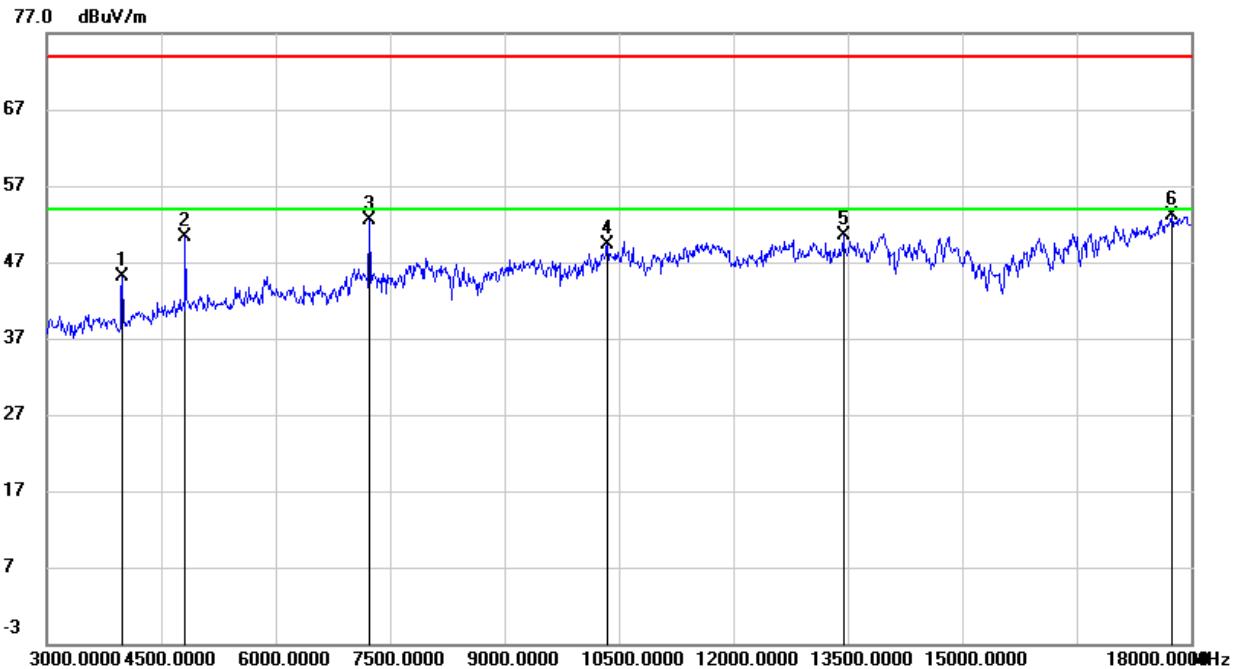
Note:

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 High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	3975.000	49.70	-2.90	46.80	74.00	-27.20	peak
2	4920.000	51.76	0.96	52.72	74.00	-21.28	peak
3	7965.000	45.81	7.00	52.81	74.00	-21.19	peak
4	11775.000	36.70	13.13	49.83	74.00	-24.17	peak
5	14430.000	34.69	16.35	51.04	74.00	-22.96	peak
6	17250.000	30.60	21.33	51.93	74.00	-22.07	peak

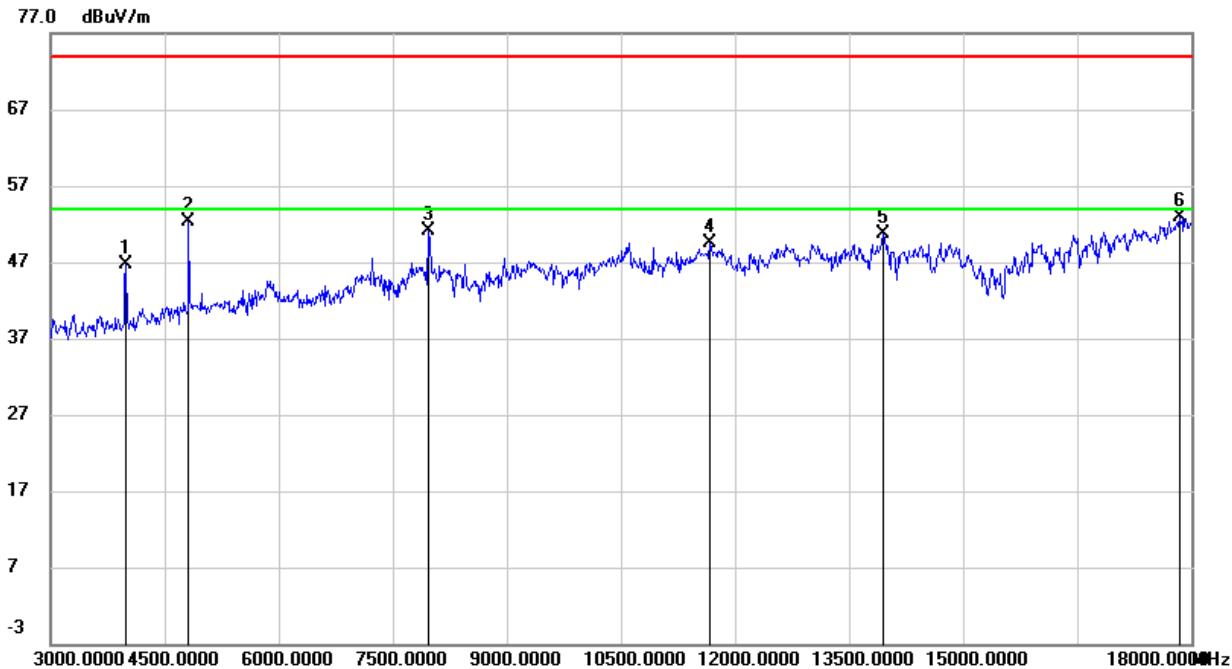
Note: 1. Peak Result = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

**1TX MODE FOR ANT1 WCT5H-20 (WORST-CASE CONFIGURATION)**
**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**


No.	Frequency (MHz)	Reading (dB <sub>uV</sub> )	Correct (dB/m)	Result (dB <sub>uV/m</sub> )	Limit (dB <sub>uV/m</sub> )	Margin (dB)	Remark
1	3990.000	48.03	-2.89	45.14	74.00	-28.86	peak
2	4815.000	49.76	0.51	50.27	74.00	-23.73	peak
3	7230.000	46.54	5.89	52.43	74.00	-21.57	peak
4	10350.000	38.19	11.02	49.21	74.00	-24.79	peak
5	13440.000	34.53	15.98	50.51	74.00	-23.49	peak
6	17745.000	30.19	22.82	53.01	74.00	-20.99	peak

Note:

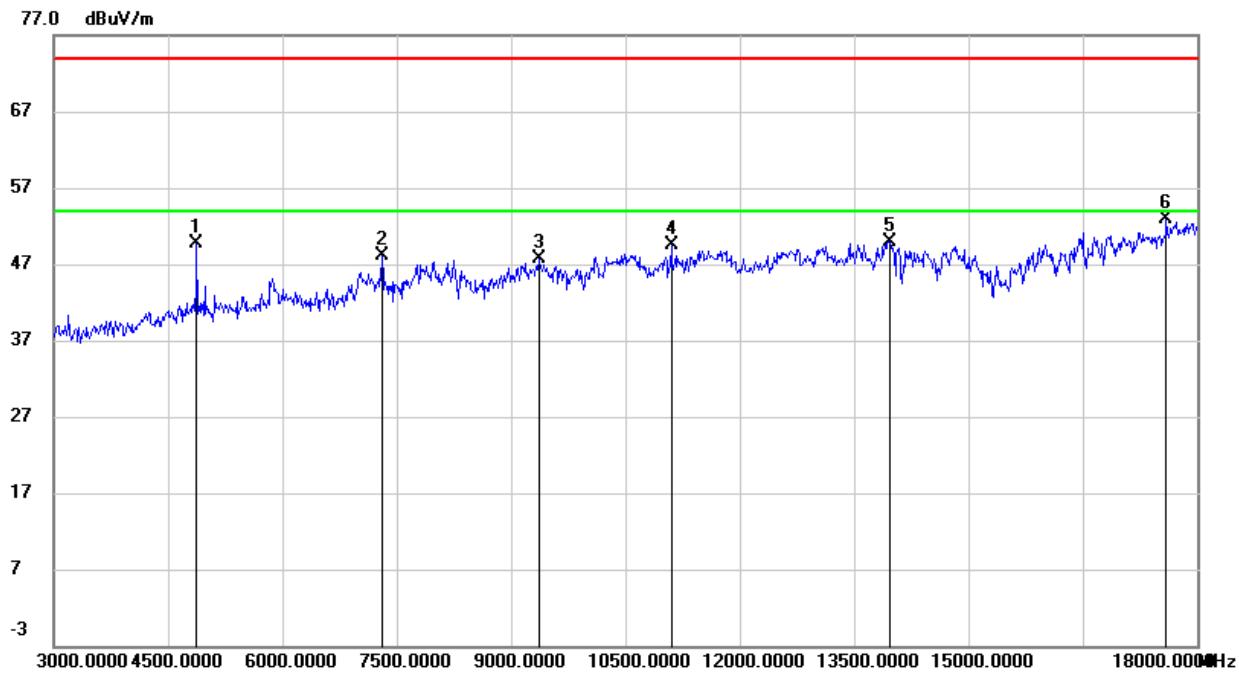
1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	49.62	-2.89	46.73	74.00	-27.27	peak
2	4815.000	51.84	0.51	52.35	74.00	-21.65	peak
3	7965.000	44.03	7.00	51.03	74.00	-22.97	peak
4	11670.000	36.43	13.01	49.44	74.00	-24.56	peak
5	13950.000	34.65	16.11	50.76	74.00	-23.24	peak
6	17850.000	29.51	23.32	52.83	74.00	-21.17	peak

Note:

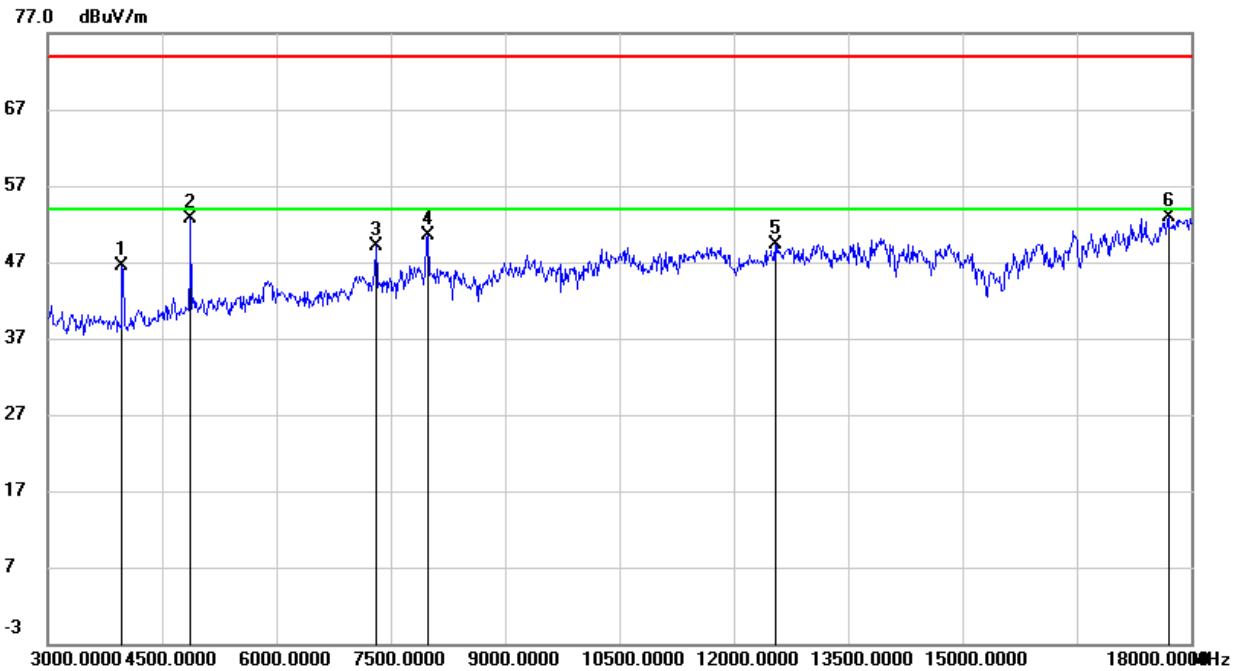
1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	4875.000	48.97	0.76	49.73	74.00	-24.27	peak
2	7305.000	42.11	6.08	48.19	74.00	-25.81	peak
3	9360.000	38.30	9.36	47.66	74.00	-26.34	peak
4	11100.000	36.94	12.56	49.50	74.00	-24.50	peak
5	13965.000	33.91	16.09	50.00	74.00	-24.00	peak
6	17595.000	31.15	21.77	52.92	74.00	-21.08	peak

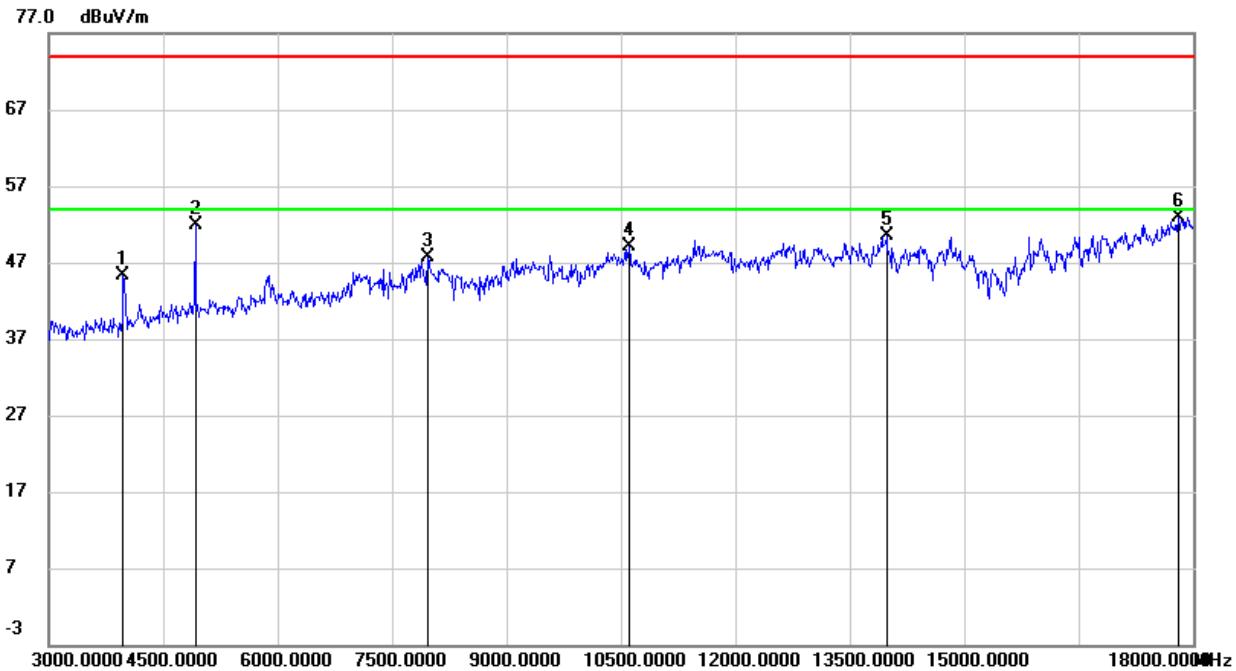
Note:

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 High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	49.44	-2.90	46.54	74.00	-27.46	peak
2	4875.000	52.02	0.76	52.78	74.00	-21.22	peak
3	7305.000	43.07	6.08	49.15	74.00	-24.85	peak
4	7980.000	43.51	6.94	50.45	74.00	-23.55	peak
5	12540.000	34.97	14.33	49.30	74.00	-24.70	peak
6	17700.000	30.55	22.43	52.98	74.00	-21.02	peak

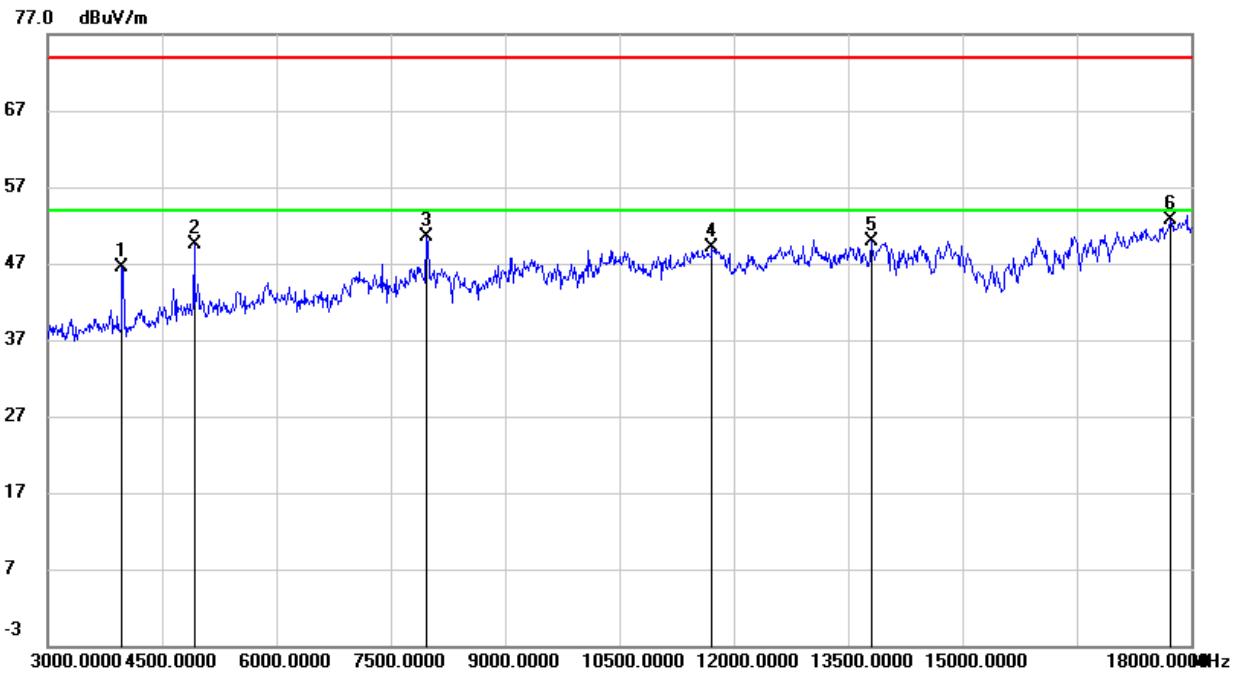
Note: 1. Peak Result = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	48.13	-2.90	45.23	74.00	-28.77	peak
2	4920.000	50.90	0.96	51.86	74.00	-22.14	peak
3	7965.000	40.67	7.00	47.67	74.00	-26.33	peak
4	10605.000	37.12	11.93	49.05	74.00	-24.95	peak
5	13980.000	34.50	16.07	50.57	74.00	-23.43	peak
6	17805.000	29.64	23.31	52.95	74.00	-21.05	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 High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

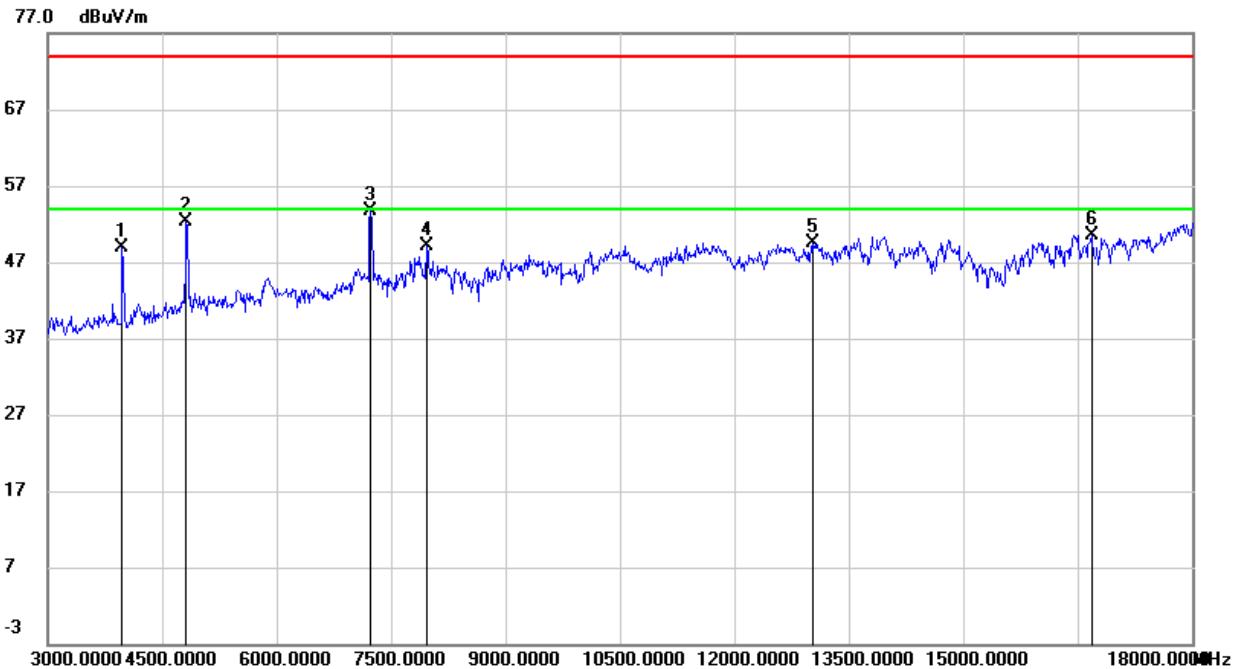
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	49.45	-2.90	46.55	74.00	-27.45	peak
2	4920.000	48.62	0.96	49.58	74.00	-24.42	peak
3	7965.000	43.51	7.00	50.51	74.00	-23.49	peak
4	11715.000	36.06	12.99	49.05	74.00	-24.95	peak
5	13800.000	32.81	17.10	49.91	74.00	-24.09	peak
6	17730.000	29.97	22.70	52.67	74.00	-21.33	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 High Pass Filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

### 7.9.2. 802.11g MODE

#### 1TX MODE FOR ANT1 WCT5J-20 (WORST-CASE CONFIGURATION)

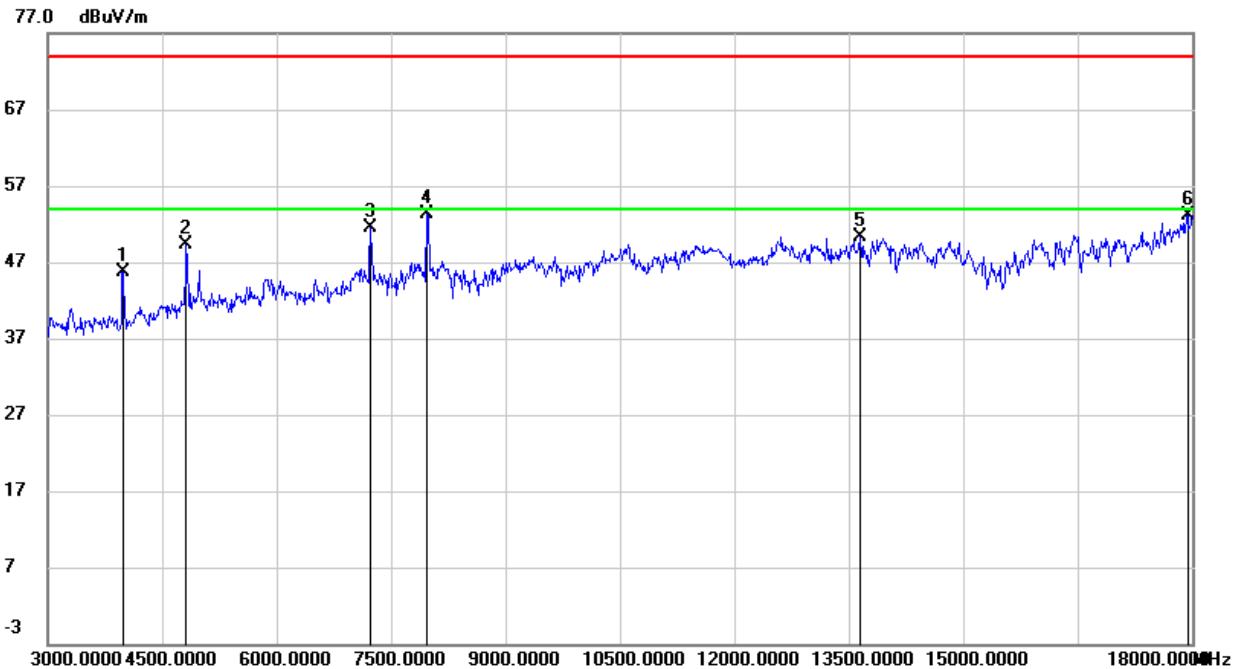
#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	51.73	-2.90	48.83	74.00	-25.17	peak
2	4815.000	51.80	0.51	52.31	74.00	-21.69	peak
3	7230.000	47.75	5.89	53.64	74.00	-20.36	peak
4	7965.000	42.14	7.00	49.14	74.00	-24.86	peak
5	13035.000	34.53	15.03	49.56	74.00	-24.44	peak
6	16680.000	30.73	19.84	50.57	74.00	-23.43	peak

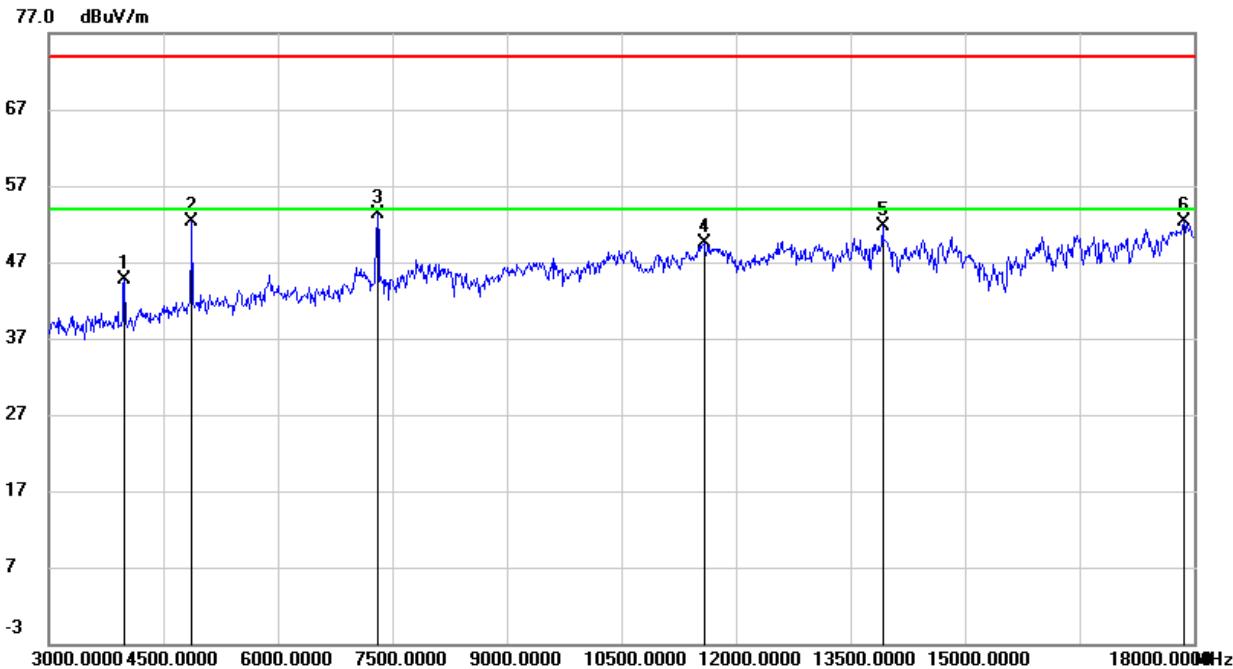
Note:

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 High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

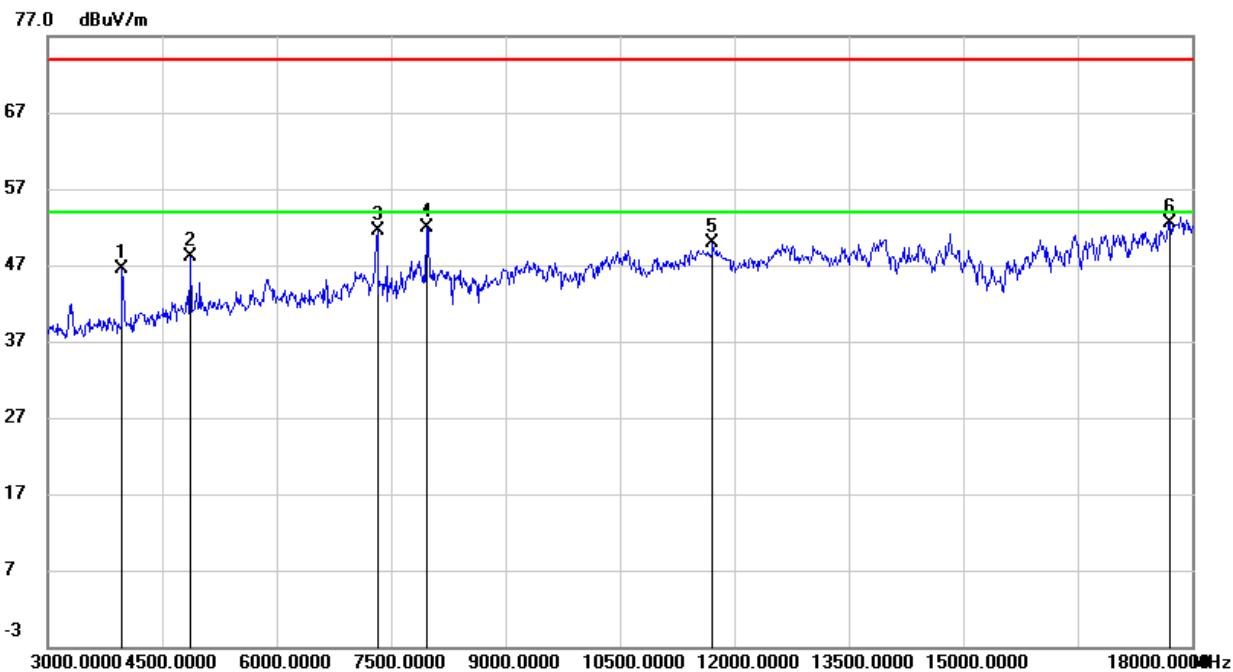
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	48.67	-2.89	45.78	74.00	-28.22	peak
2	4815.000	48.88	0.51	49.39	74.00	-24.61	peak
3	7230.000	45.61	5.89	51.50	74.00	-22.50	peak
4	7965.000	46.28	7.00	53.28	74.00	-20.72	peak
5	13650.000	34.39	15.94	50.33	74.00	-23.67	peak
6	17940.000	29.70	23.39	53.09	74.00	-20.91	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 High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

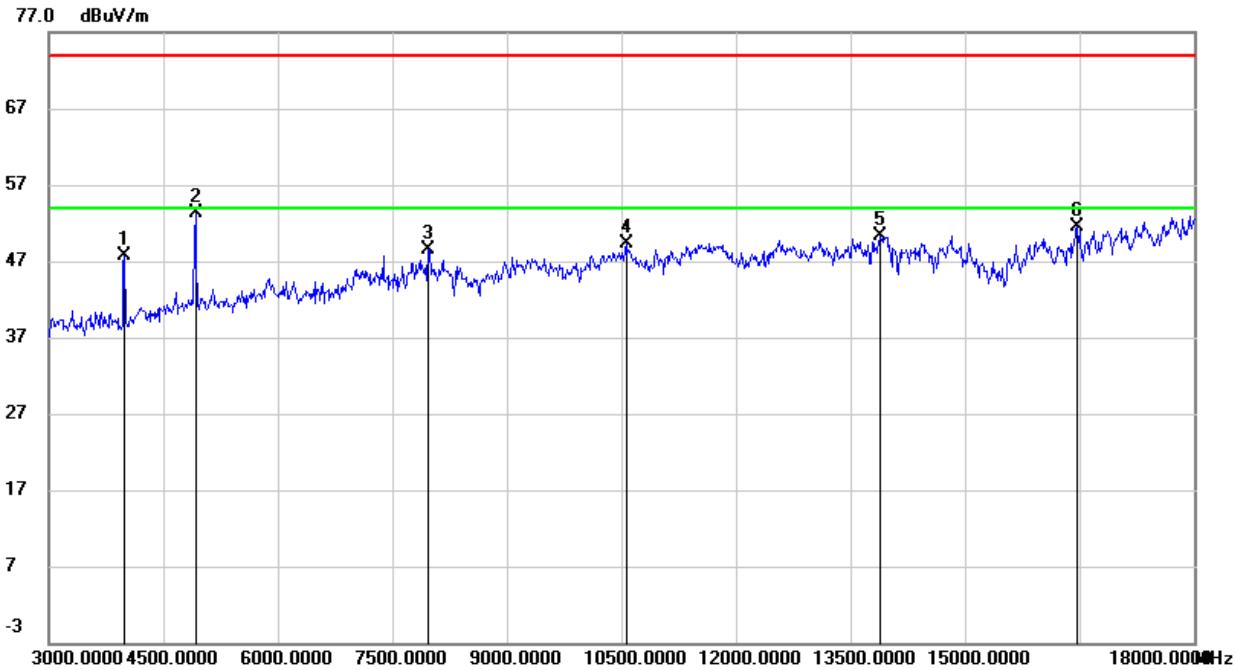
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	47.59	-2.89	44.70	74.00	-29.30	peak
2	4875.000	51.50	0.76	52.26	74.00	-21.74	peak
3	7305.000	47.25	6.08	53.33	74.00	-20.67	peak
4	11580.000	36.35	13.23	49.58	74.00	-24.42	peak
5	13920.000	35.46	16.17	51.63	74.00	-22.37	peak
6	17865.000	29.07	23.33	52.40	74.00	-21.60	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 High Pass Filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	49.37	-2.90	46.47	74.00	-27.53	peak
2	4875.000	47.40	0.76	48.16	74.00	-25.84	peak
3	7320.000	45.38	6.14	51.52	74.00	-22.48	peak
4	7965.000	44.83	7.00	51.83	74.00	-22.17	peak
5	11715.000	36.84	12.99	49.83	74.00	-24.17	peak
6	17715.000	29.85	22.56	52.41	74.00	-21.59	peak

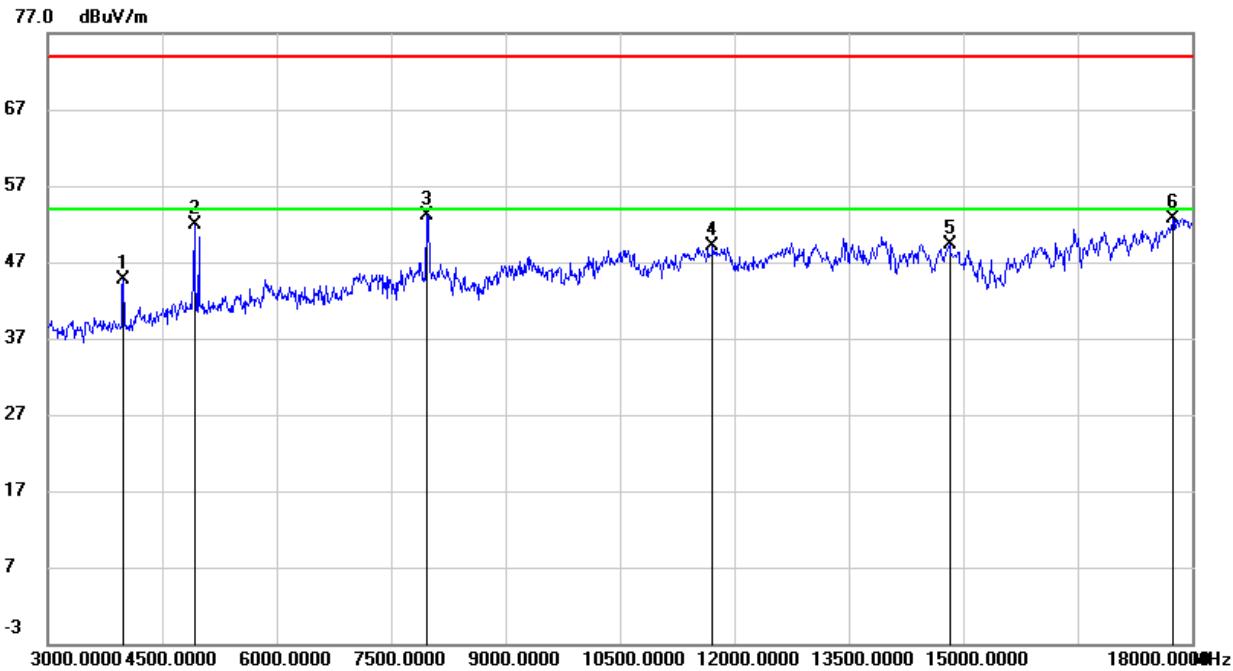
Note: 1. Peak Result = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	50.54	-2.89	47.65	74.00	-26.35	peak
2	4920.000	52.44	0.96	53.40	74.00	-20.60	peak
3	7965.000	41.53	7.00	48.53	74.00	-25.47	peak
4	10560.000	37.53	11.73	49.26	74.00	-24.74	peak
5	13890.000	33.93	16.31	50.24	74.00	-23.76	peak
6	16470.000	32.54	19.06	51.60	74.00	-22.40	peak

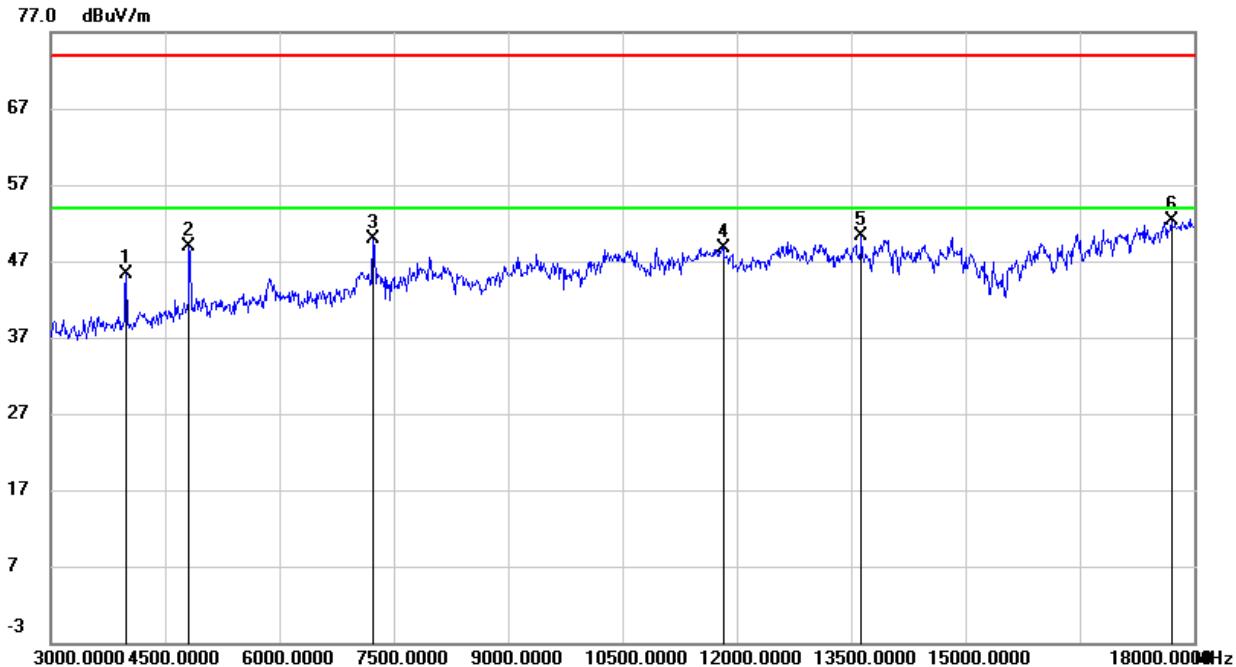
Note:

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 High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	47.63	-2.89	44.74	74.00	-29.26	peak
2	4920.000	50.97	0.96	51.93	74.00	-22.07	peak
3	7965.000	46.20	7.00	53.20	74.00	-20.80	peak
4	11715.000	36.07	12.99	49.06	74.00	-24.94	peak
5	14820.000	33.45	15.94	49.39	74.00	-24.61	peak
6	17745.000	29.89	22.82	52.71	74.00	-21.29	peak

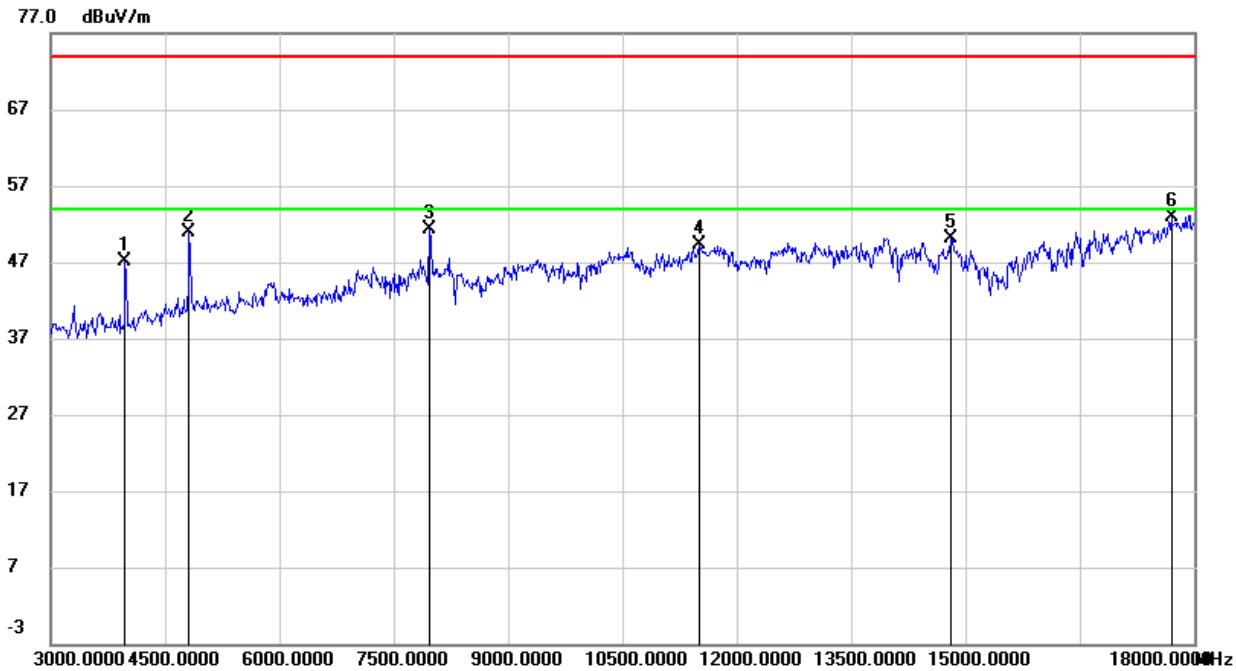
Note: 1. Peak Result = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

**1TX MODE FOR ANT1 WCT5H-20 (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	48.26	-2.89	45.37	74.00	-28.63	peak
2	4815.000	48.41	0.51	48.92	74.00	-25.08	peak
3	7230.000	44.03	5.89	49.92	74.00	-24.08	peak
4	11820.000	35.61	13.19	48.80	74.00	-25.20	peak
5	13635.000	34.27	15.97	50.24	74.00	-23.76	peak
6	17700.000	29.88	22.43	52.31	74.00	-21.69	peak

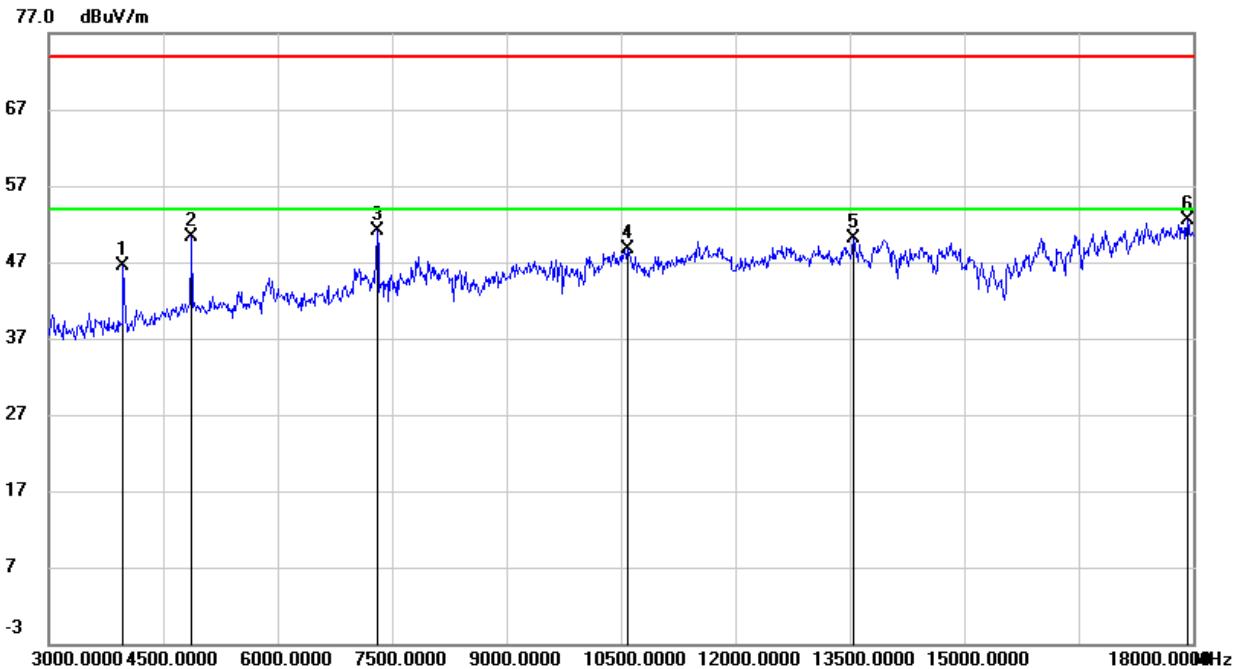
Note:

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 High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

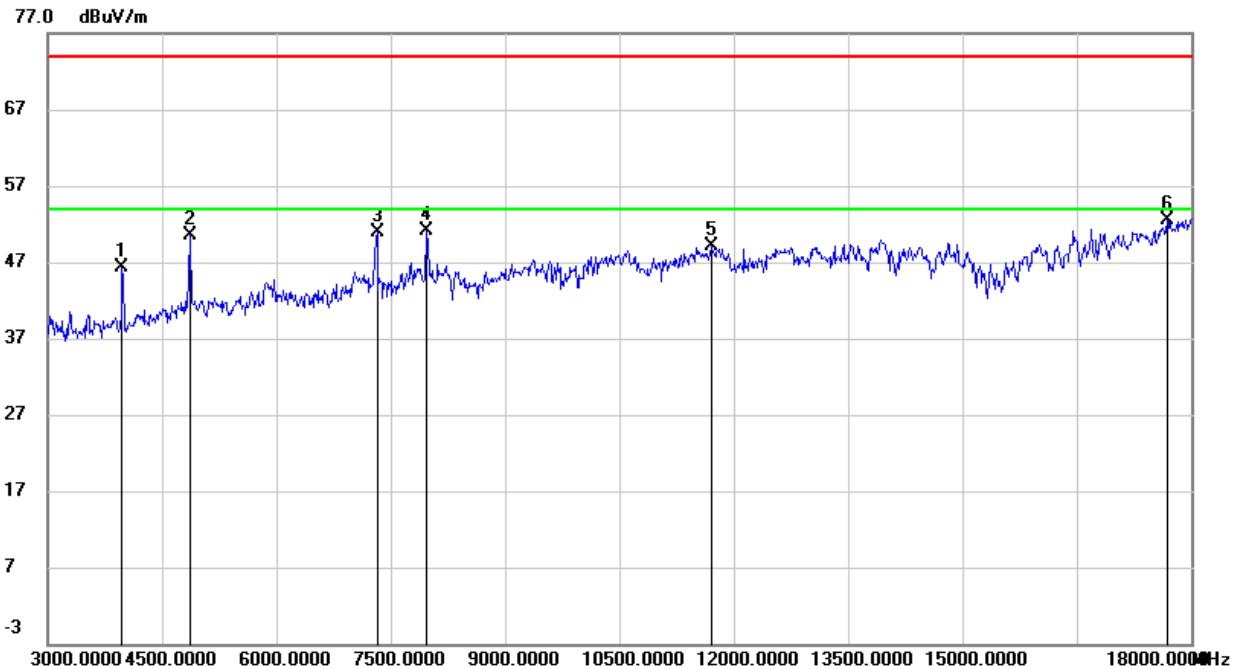
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	49.94	-2.90	47.04	74.00	-26.96	peak
2	4815.000	50.36	0.51	50.87	74.00	-23.13	peak
3	7965.000	44.23	7.00	51.23	74.00	-22.77	peak
4	11505.000	35.82	13.42	49.24	74.00	-24.76	peak
5	14805.000	34.27	15.92	50.19	74.00	-23.81	peak
6	17700.000	30.56	22.43	52.99	74.00	-21.01	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 High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

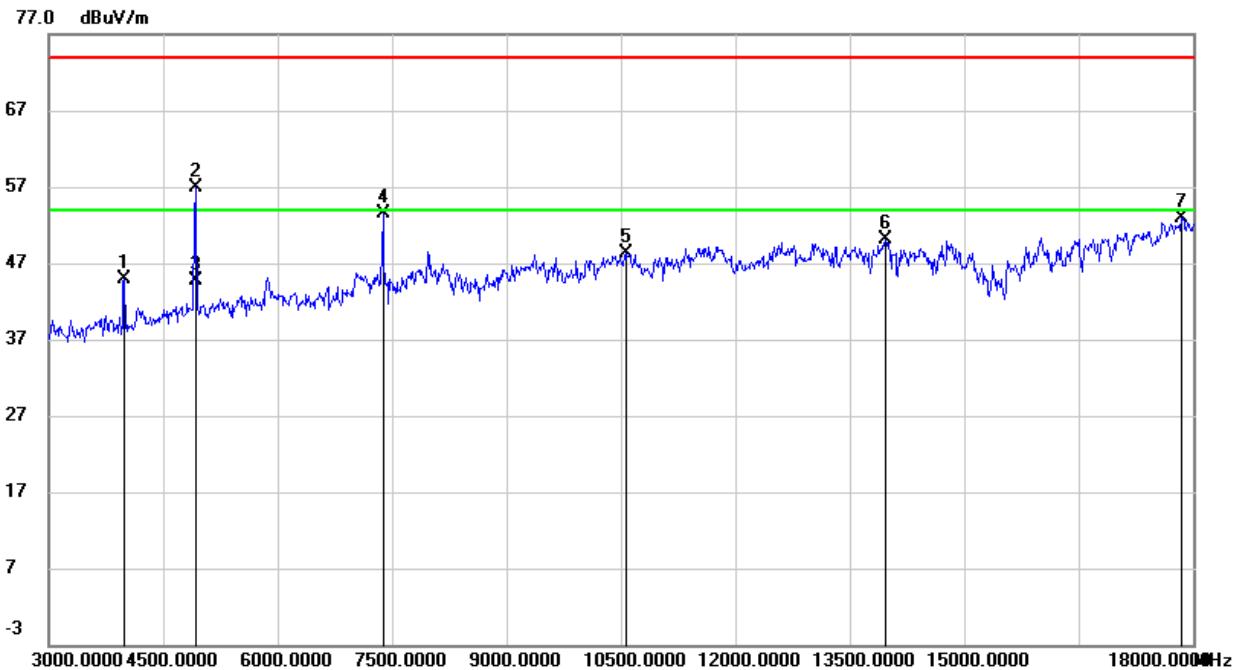
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	49.38	-2.90	46.48	74.00	-27.52	peak
2	4875.000	49.53	0.76	50.29	74.00	-23.71	peak
3	7305.000	45.03	6.08	51.11	74.00	-22.89	peak
4	10590.000	36.78	11.88	48.66	74.00	-25.34	peak
5	13545.000	34.22	15.89	50.11	74.00	-23.89	peak
6	17925.000	29.15	23.37	52.52	74.00	-21.48	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 High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	49.11	-2.90	46.21	74.00	-27.79	peak
2	4860.000	49.85	0.70	50.55	74.00	-23.45	peak
3	7320.000	44.78	6.14	50.92	74.00	-23.08	peak
4	7965.000	44.13	7.00	51.13	74.00	-22.87	peak
5	11700.000	36.09	12.95	49.04	74.00	-24.96	peak
6	17685.000	30.08	22.33	52.41	74.00	-21.59	peak

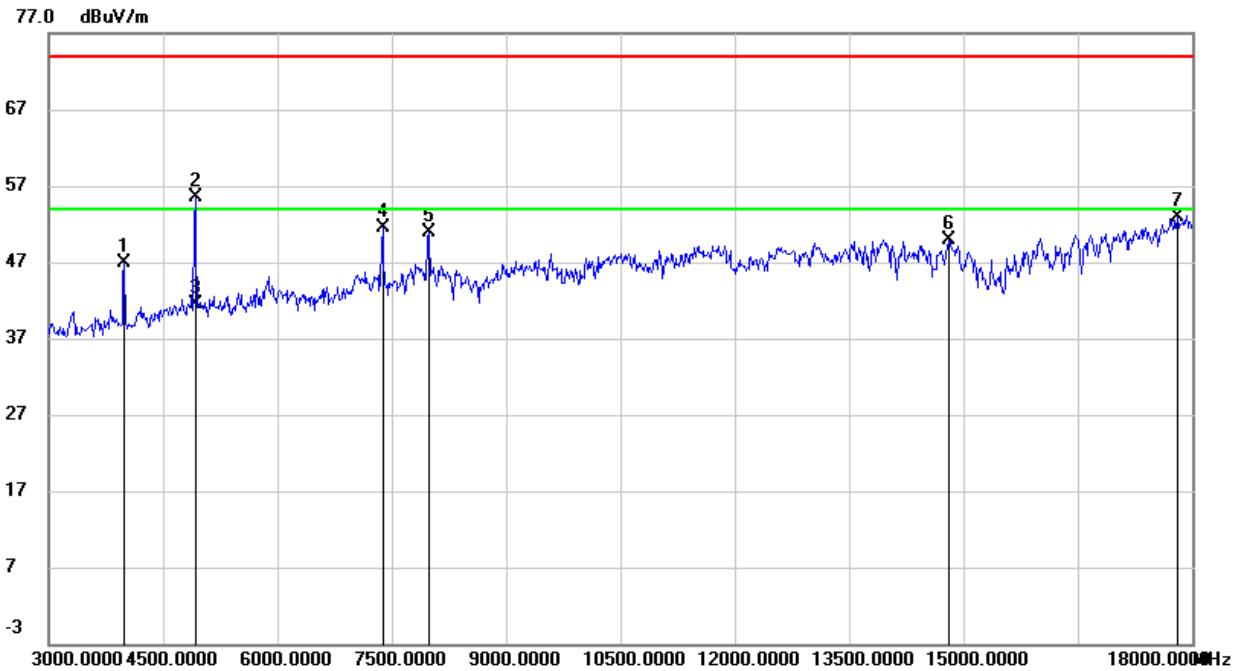
Note: 1. Peak Result = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	47.79	-2.89	44.90	74.00	-29.10	peak
2	4925.590	55.83	1.00	56.83	74.00	-17.17	peak
3	4925.590	43.77	1.00	44.77	54.00	-9.23	AVG
4	7380.000	47.06	6.41	53.47	74.00	-20.53	peak
5	10560.000	36.50	11.73	48.23	74.00	-25.77	peak
6	13965.000	34.02	16.09	50.11	74.00	-23.89	peak
7	17850.000	29.51	23.32	52.83	74.00	-21.17	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 High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	49.79	-2.89	46.90	74.00	-27.10	peak
2	4925.690	54.58	1.00	55.58	74.00	-18.42	peak
3	4925.690	40.55	1.00	41.55	54.00	-12.45	AVG
4	7380.000	45.12	6.41	51.53	74.00	-22.47	peak
5	7980.000	43.98	6.94	50.92	74.00	-23.08	peak
6	14805.000	33.89	15.92	49.81	74.00	-24.19	peak
7	17805.000	29.60	23.31	52.91	74.00	-21.09	peak

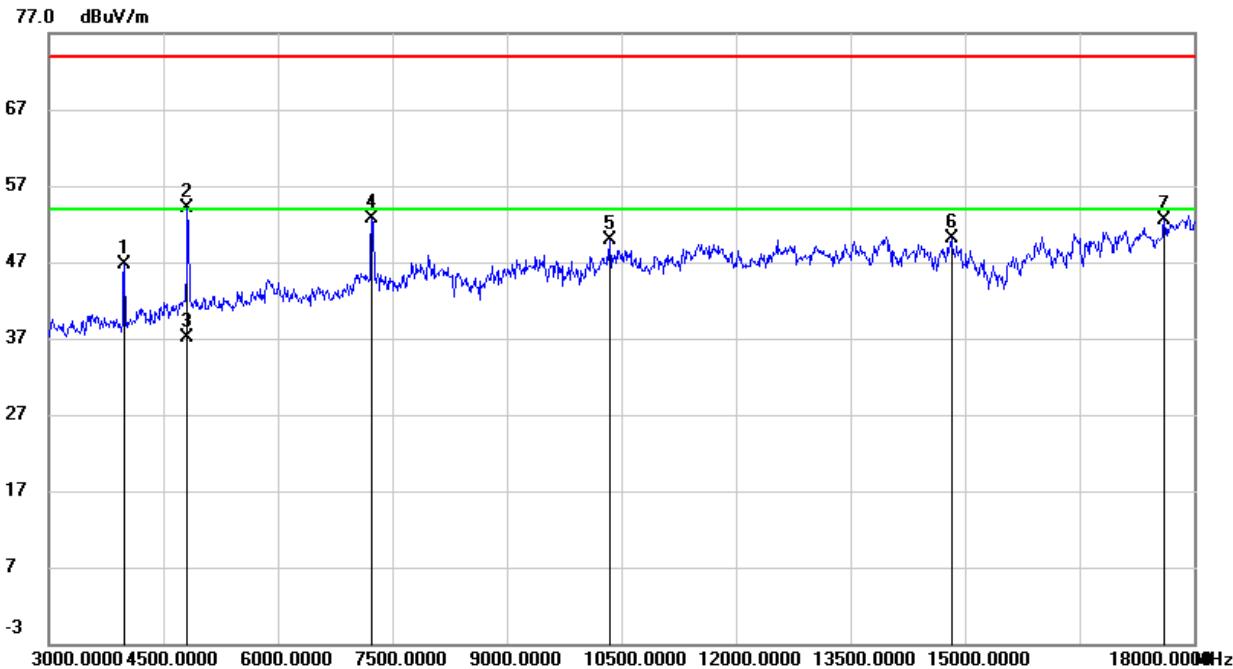
Note:

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 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 High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

### 7.9.3. 802.11n HT20 MODE

#### 2TX MODE FOR ANT WCT5J-20 (WORST-CASE CONFIGURATION)

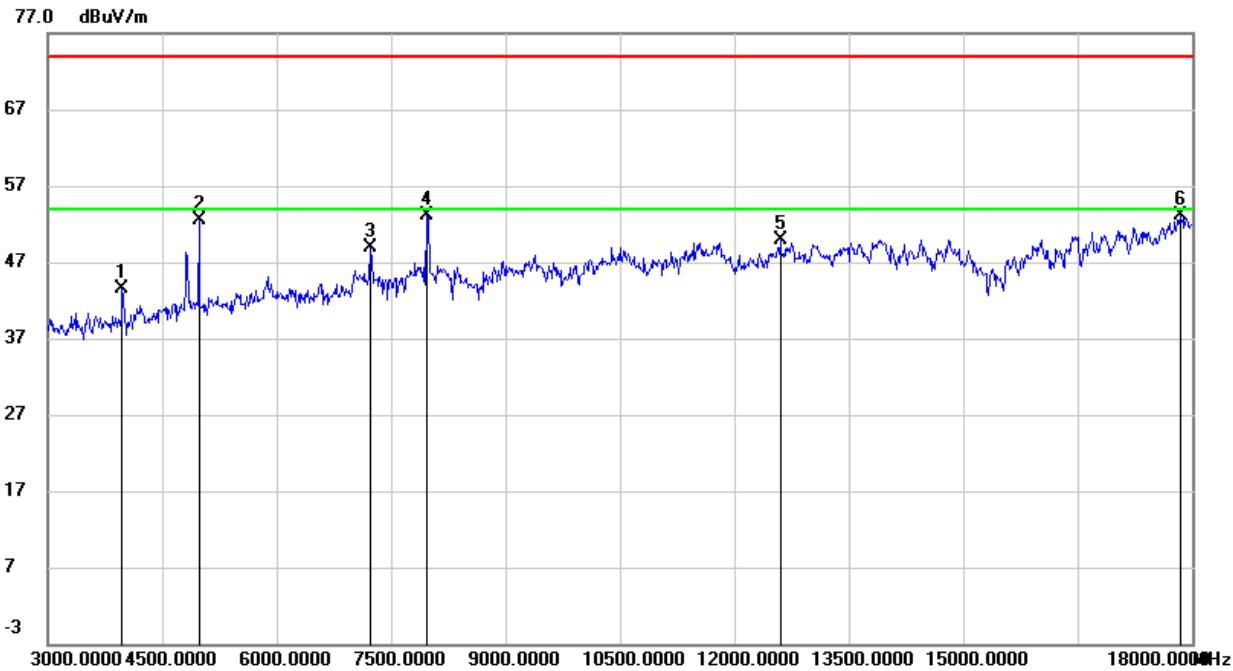
#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	49.56	-2.89	46.67	74.00	-27.33	peak
2	4826.870	53.56	0.57	54.13	74.00	-19.87	peak
3	4826.870	36.59	0.57	37.16	54.00	-16.84	AVG
4	7230.000	46.78	5.89	52.67	74.00	-21.33	peak
5	10350.000	38.92	11.02	49.94	74.00	-24.06	peak
6	14820.000	34.20	15.94	50.14	74.00	-23.86	peak
7	17610.000	30.68	21.86	52.54	74.00	-21.46	peak

Note:

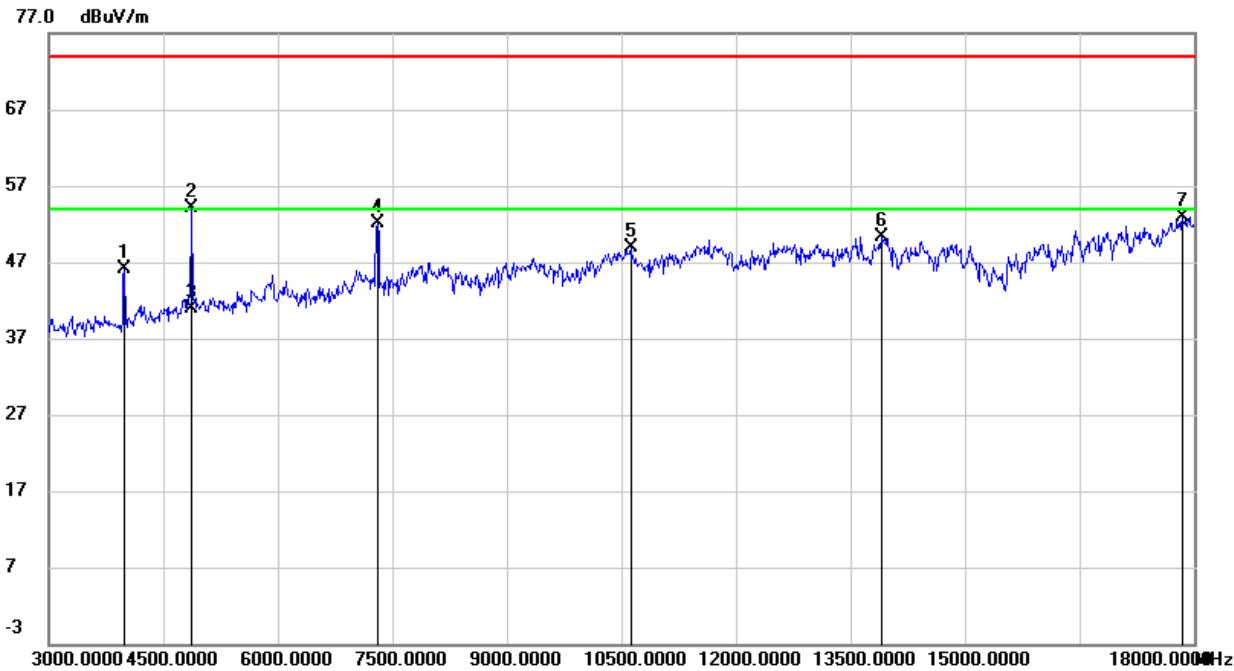
1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG:  $VBW=1/Ton$  where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	46.43	-2.90	43.53	74.00	-30.47	peak
2	4980.000	51.29	1.29	52.58	74.00	-21.42	peak
3	7230.000	43.05	5.89	48.94	74.00	-25.06	peak
4	7965.000	46.16	7.00	53.16	74.00	-20.84	peak
5	12600.000	35.91	13.99	49.90	74.00	-24.10	peak
6	17850.000	29.88	23.32	53.20	74.00	-20.80	peak

Note:

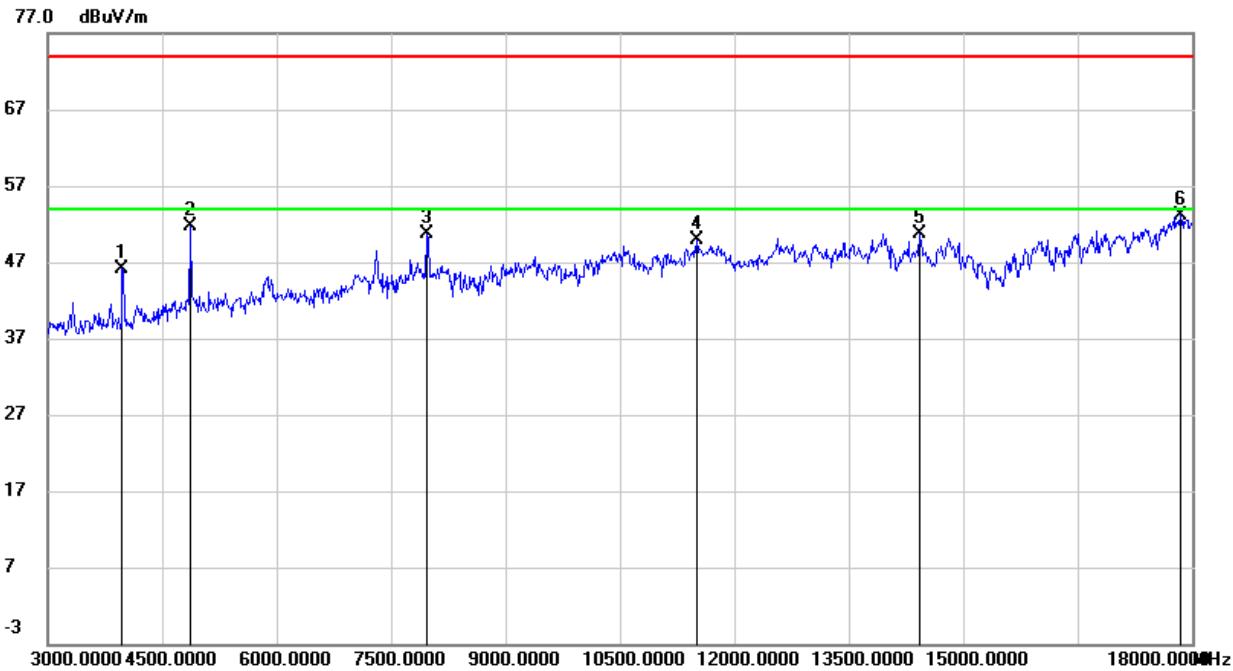
1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	48.95	-2.89	46.06	74.00	-27.94	peak
2	4875.000	53.43	0.76	54.19	74.00	-19.81	peak
3	4878.070	40.22	0.76	40.98	54.00	-13.02	AVG
4	7305.000	45.94	6.08	52.02	74.00	-21.98	peak
5	10620.000	37.03	11.88	48.91	74.00	-25.09	peak
6	13905.000	34.19	16.20	50.39	74.00	-23.61	peak
7	17850.000	29.60	23.32	52.92	74.00	-21.08	peak

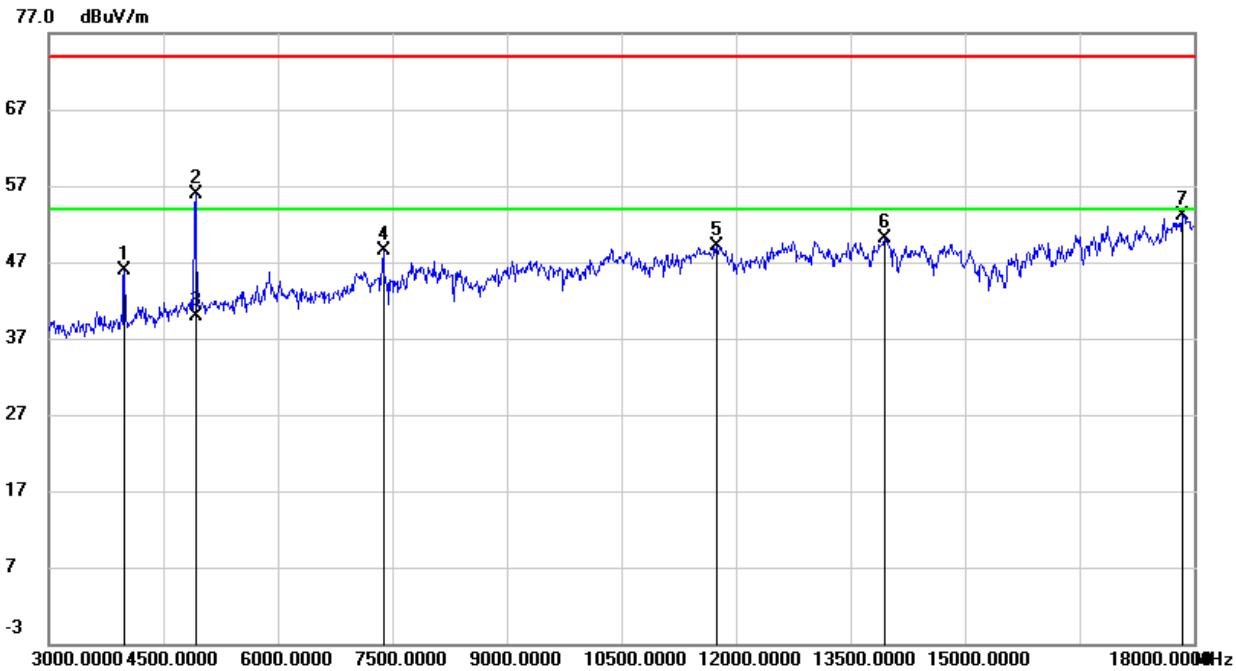
Note:

1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. 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 High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	3975.000	49.04	-2.90	46.14	74.00	-27.86	peak
2	4875.000	50.97	0.76	51.73	74.00	-22.27	peak
3	7965.000	43.78	7.00	50.78	74.00	-23.22	peak
4	11505.000	36.42	13.42	49.84	74.00	-24.16	peak
5	14430.000	34.37	16.35	50.72	74.00	-23.28	peak
6	17850.000	29.88	23.32	53.20	74.00	-20.80	peak

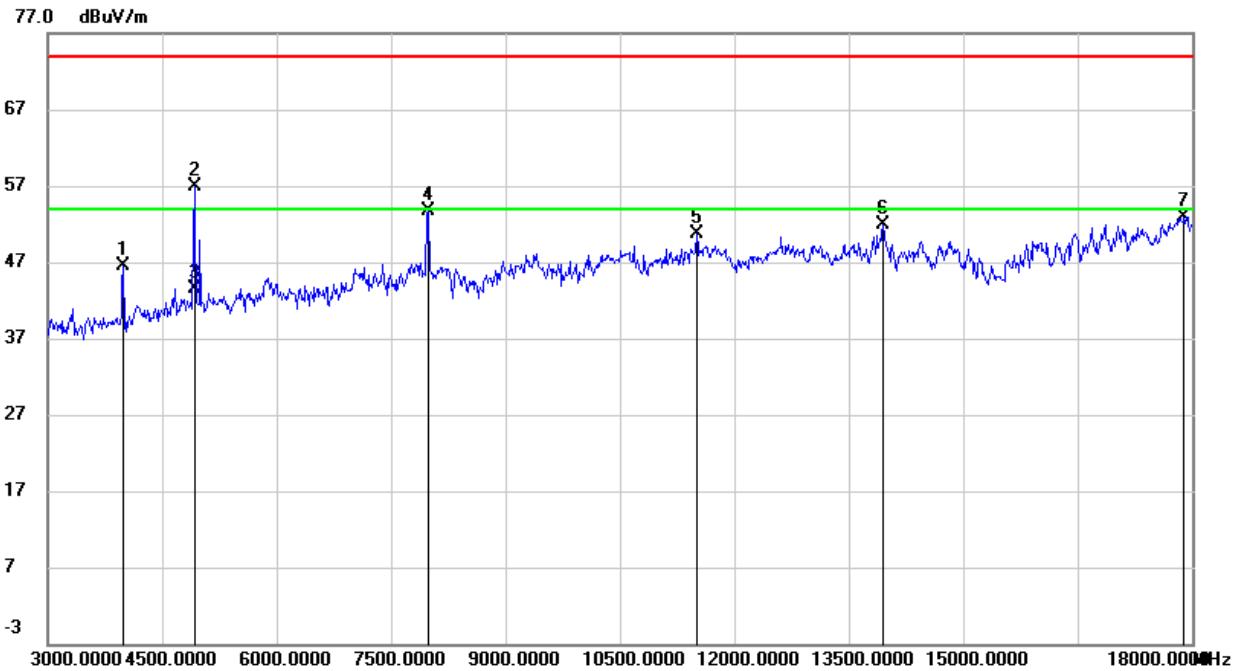
Note: 1. Peak Result = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	48.79	-2.89	45.90	74.00	-28.10	peak
2	4925.690	54.83	1.00	55.83	74.00	-18.17	peak
3	4925.690	38.86	1.00	39.86	54.00	-14.14	AVG
4	7380.000	42.12	6.41	48.53	74.00	-25.47	peak
5	11745.000	36.01	13.05	49.06	74.00	-24.94	peak
6	13950.000	34.02	16.11	50.13	74.00	-23.87	peak
7	17850.000	29.87	23.32	53.19	74.00	-20.81	peak

Note:

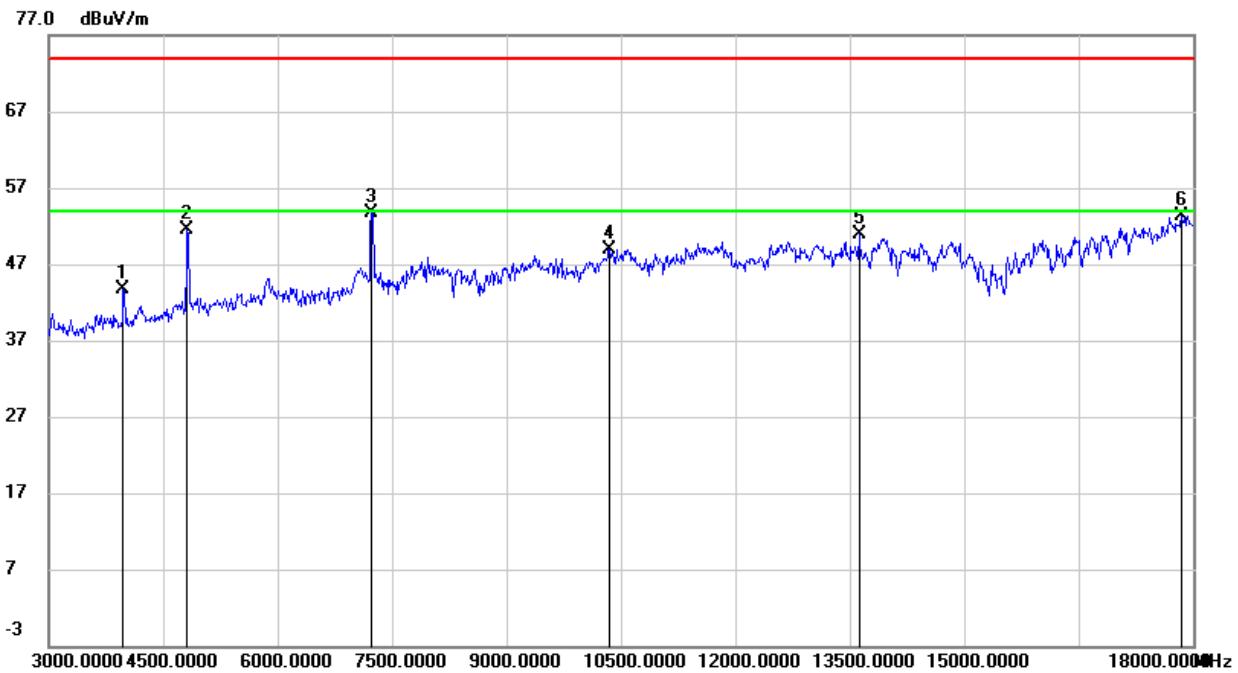
1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG:  $VBW=1/Ton$  where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	3990.000	49.38	-2.89	46.49	74.00	-27.51	peak
2	4925.490	55.96	1.00	56.96	74.00	-17.04	peak
3	4925.490	42.60	1.00	43.60	54.00	-10.40	AVG
4	7995.000	46.72	6.89	53.61	74.00	-20.39	peak
5	11505.000	37.21	13.42	50.63	74.00	-23.37	peak
6	13950.000	35.72	16.11	51.83	74.00	-22.17	peak
7	17895.000	29.64	23.34	52.98	74.00	-21.02	peak

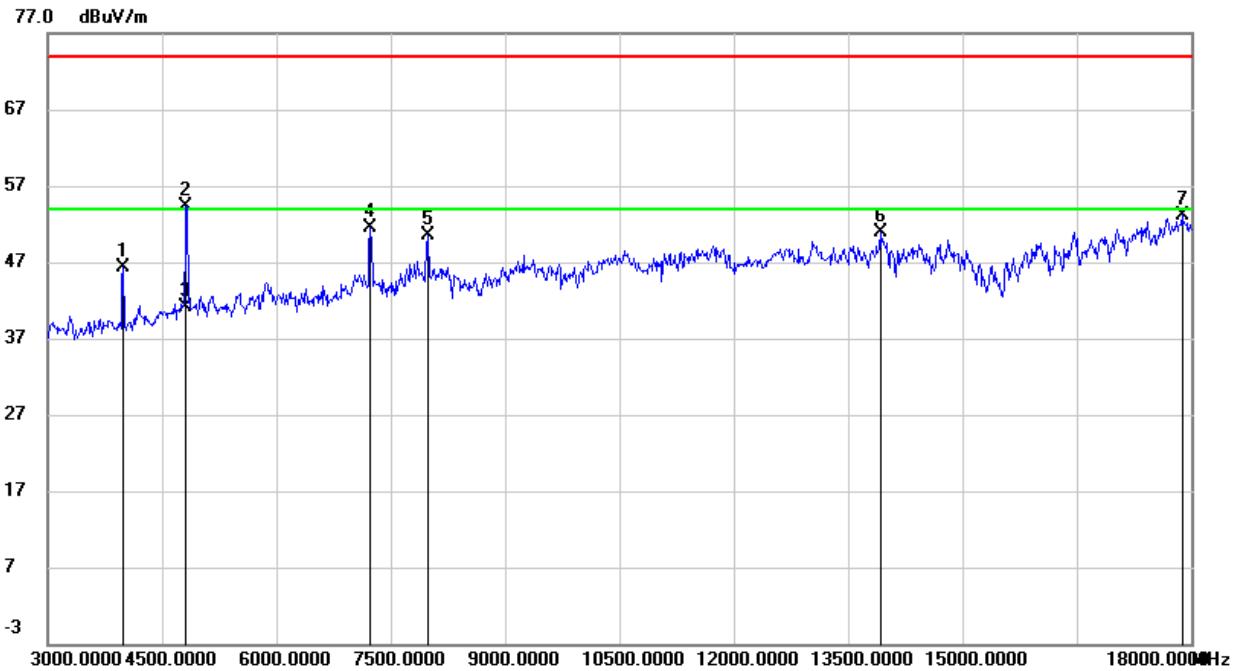
Note:

1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. 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 High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

**2TX MODE FOR ANT WCT5H-20 (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	3975.000	46.54	-2.90	43.64	74.00	-30.36	peak
2	4815.000	51.05	0.51	51.56	74.00	-22.44	peak
3	7230.000	47.86	5.89	53.75	74.00	-20.25	peak
4	10350.000	37.87	11.02	48.89	74.00	-25.11	peak
5	13620.000	34.82	15.99	50.81	74.00	-23.19	peak
6	17850.000	29.94	23.32	53.26	74.00	-20.74	peak

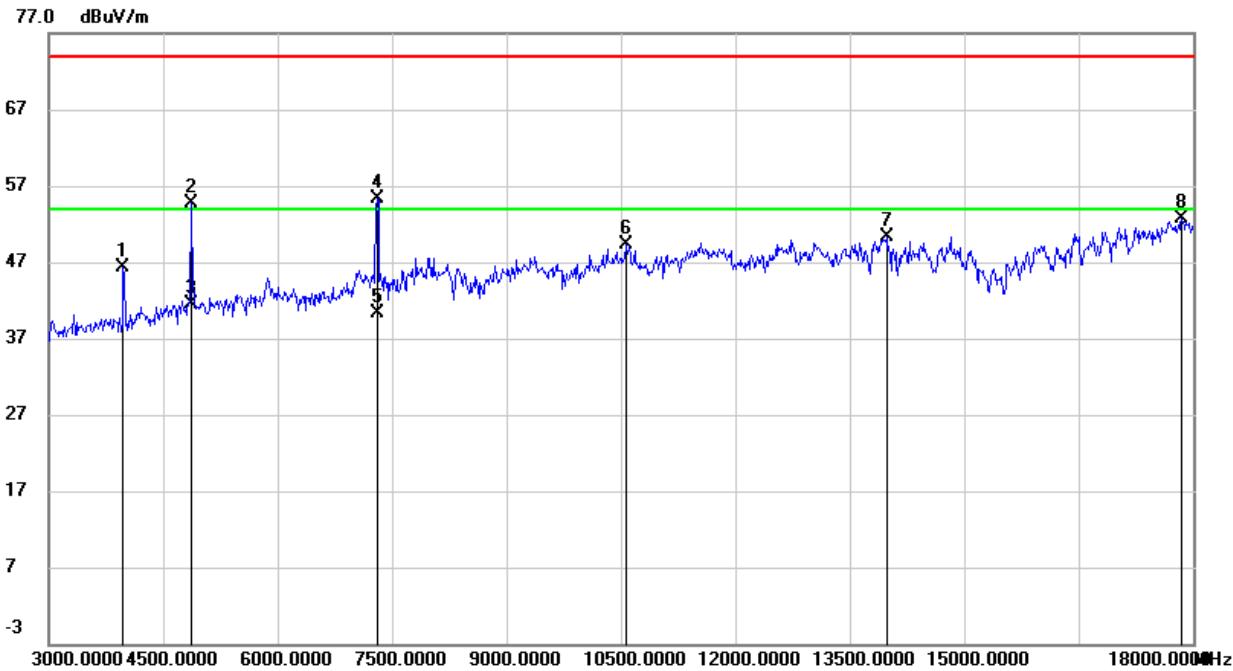
Note: 1. Peak Result = Reading Level + Correct Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Peak: Peak detector.  
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	49.22	-2.89	46.33	74.00	-27.67	peak
2	4825.430	53.81	0.57	54.38	74.00	-19.62	peak
3	4825.430	40.55	0.57	41.12	54.00	-12.88	AVG
4	7230.000	45.70	5.89	51.59	74.00	-22.41	peak
5	7995.000	43.67	6.89	50.56	74.00	-23.44	peak
6	13920.000	34.65	16.17	50.82	74.00	-23.18	peak
7	17880.000	29.86	23.34	53.20	74.00	-20.80	peak

Note:

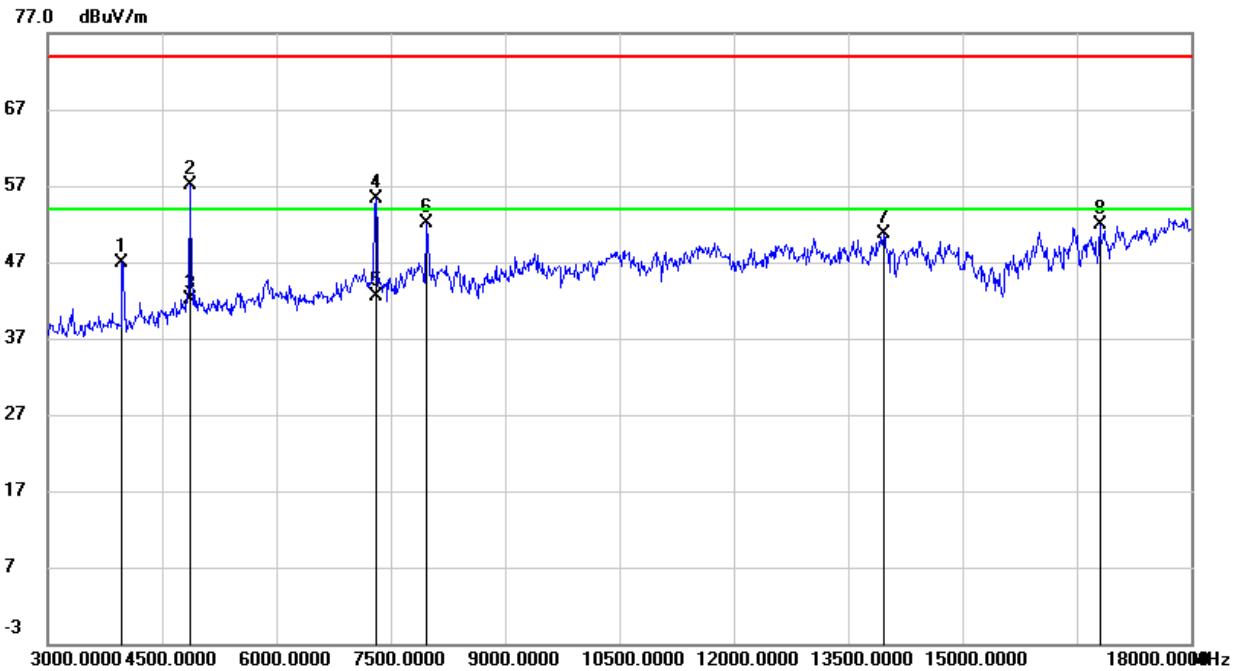
1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG:  $VBW=1/Ton$  where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	49.21	-2.90	46.31	74.00	-27.69	peak
2	4875.180	54.01	0.76	54.77	74.00	-19.23	peak
3	4875.480	40.66	0.76	41.42	54.00	-12.58	AVG
4	7311.790	49.24	6.12	55.36	74.00	-18.64	peak
5	7311.790	34.11	6.12	40.23	54.00	-13.77	AVG
6	10560.000	37.58	11.73	49.31	74.00	-24.69	peak
7	13980.000	34.27	16.07	50.34	74.00	-23.66	peak
8	17850.000	29.34	23.32	52.66	74.00	-21.34	peak

Note:

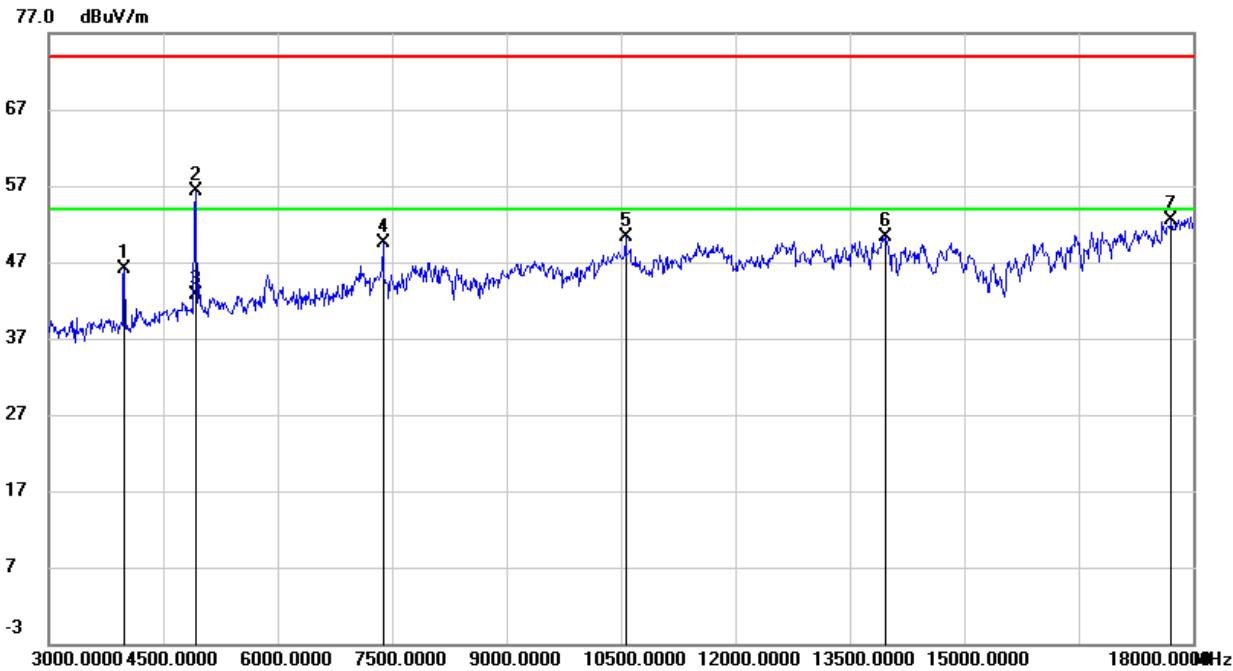
1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	49.80	-2.90	46.90	74.00	-27.10	peak
2	4875.780	56.42	0.76	57.18	74.00	-16.82	peak
3	4875.780	41.40	0.76	42.16	54.00	-11.84	AVG
4	7310.700	49.28	6.11	55.39	74.00	-18.61	peak
5	7310.700	36.39	6.11	42.50	54.00	-11.50	AVG
6	7965.000	45.09	7.00	52.09	74.00	-21.91	peak
7	13965.000	34.64	16.09	50.73	74.00	-23.27	peak
8	16800.000	32.00	19.95	51.95	74.00	-22.05	peak

Note:

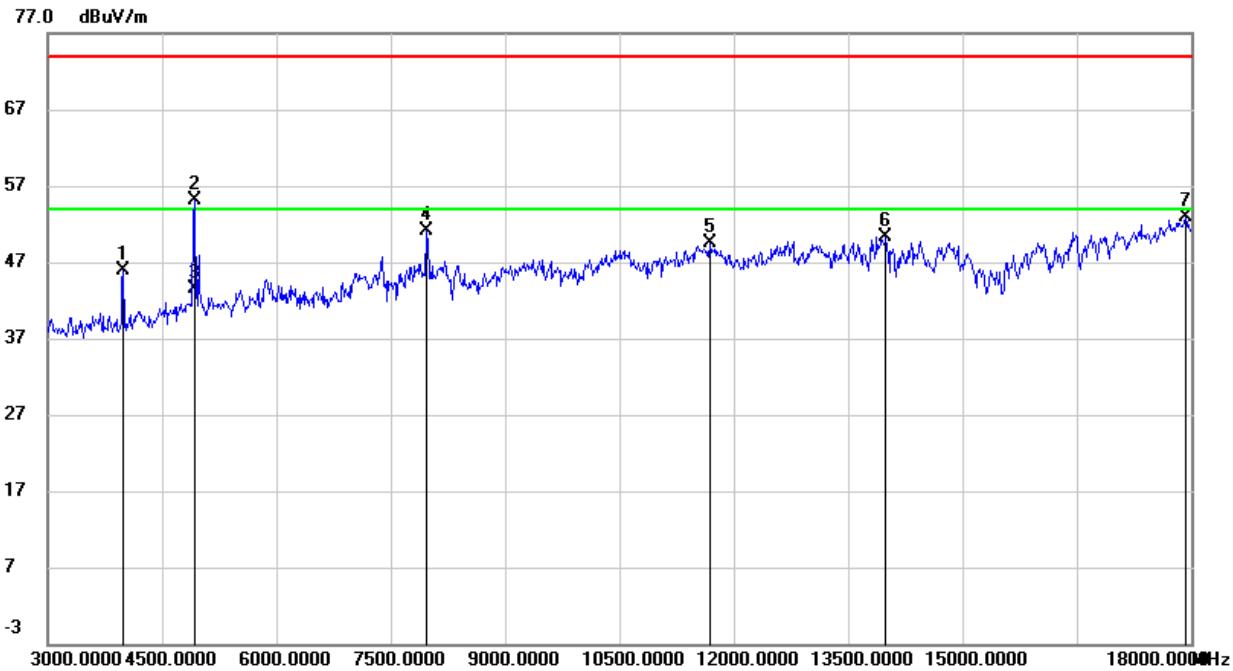
1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton where: ton is transmit duration.
5. For transmit duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	49.05	-2.89	46.16	74.00	-27.84	peak
2	4926.000	55.40	1.00	56.40	74.00	-17.60	peak
3	4926.000	41.70	1.00	42.70	54.00	-11.30	AVG
4	7380.000	43.00	6.41	49.41	74.00	-24.59	peak
5	10560.000	38.60	11.73	50.33	74.00	-23.67	peak
6	13965.000	34.14	16.09	50.23	74.00	-23.77	peak
7	17715.000	30.03	22.56	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 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 High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	48.88	-2.89	45.99	74.00	-28.01	peak
2	4925.590	54.06	1.00	55.06	74.00	-18.94	peak
3	4925.590	42.41	1.00	43.41	54.00	-10.59	AVG
4	7965.000	44.09	7.00	51.09	74.00	-22.91	peak
5	11685.000	36.44	12.98	49.42	74.00	-24.58	peak
6	13995.000	34.35	16.03	50.38	74.00	-23.62	peak
7	17925.000	29.61	23.37	52.98	74.00	-21.02	peak

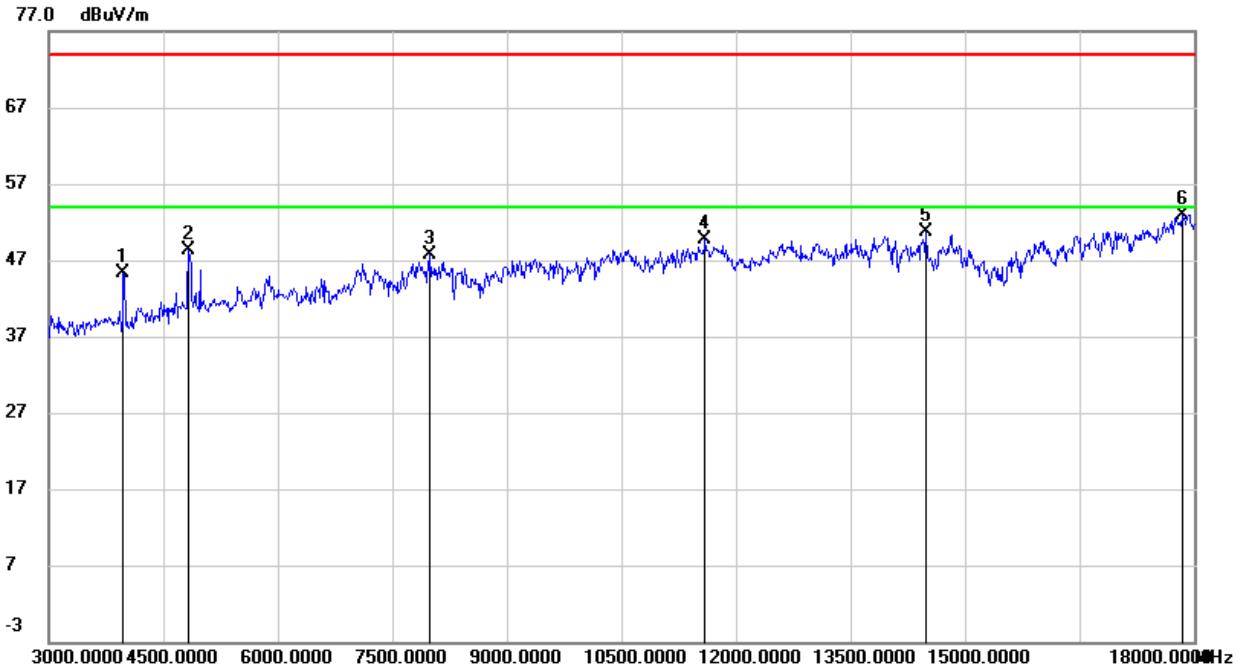
Note:

1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. 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 High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

### 7.9.4. 802.11n HT40 MODE

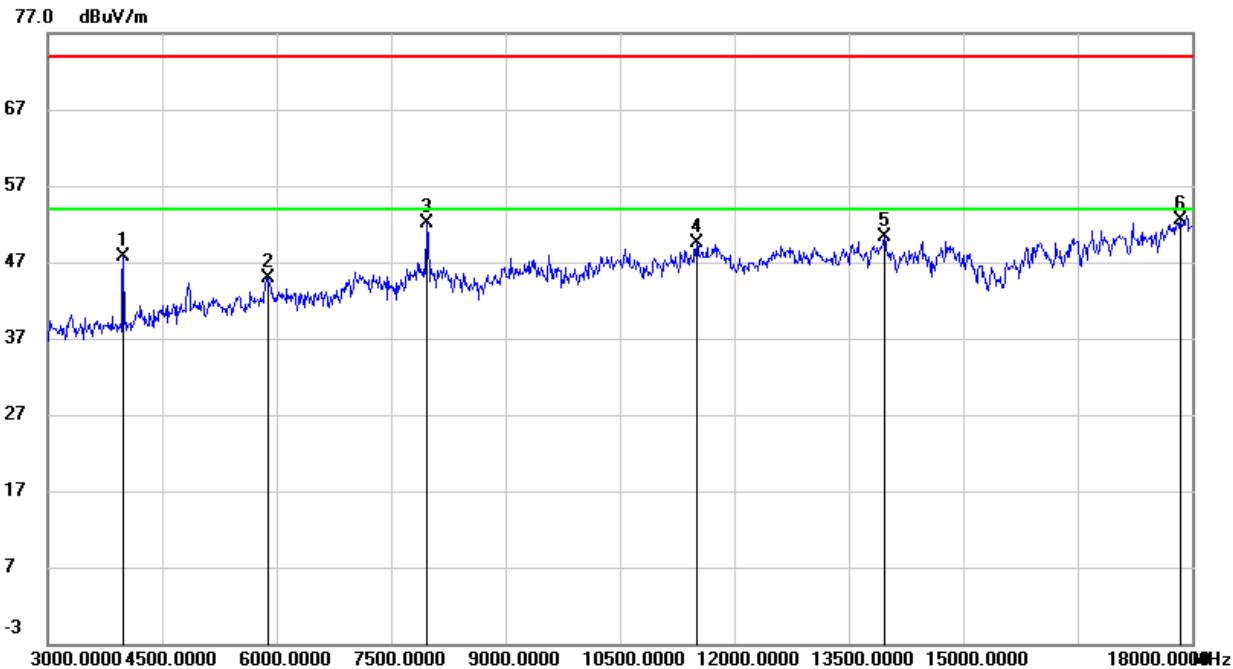
#### 2TX MODE FOR ANT WCT5J-20 (WORST-CASE CONFIGURATION)

#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



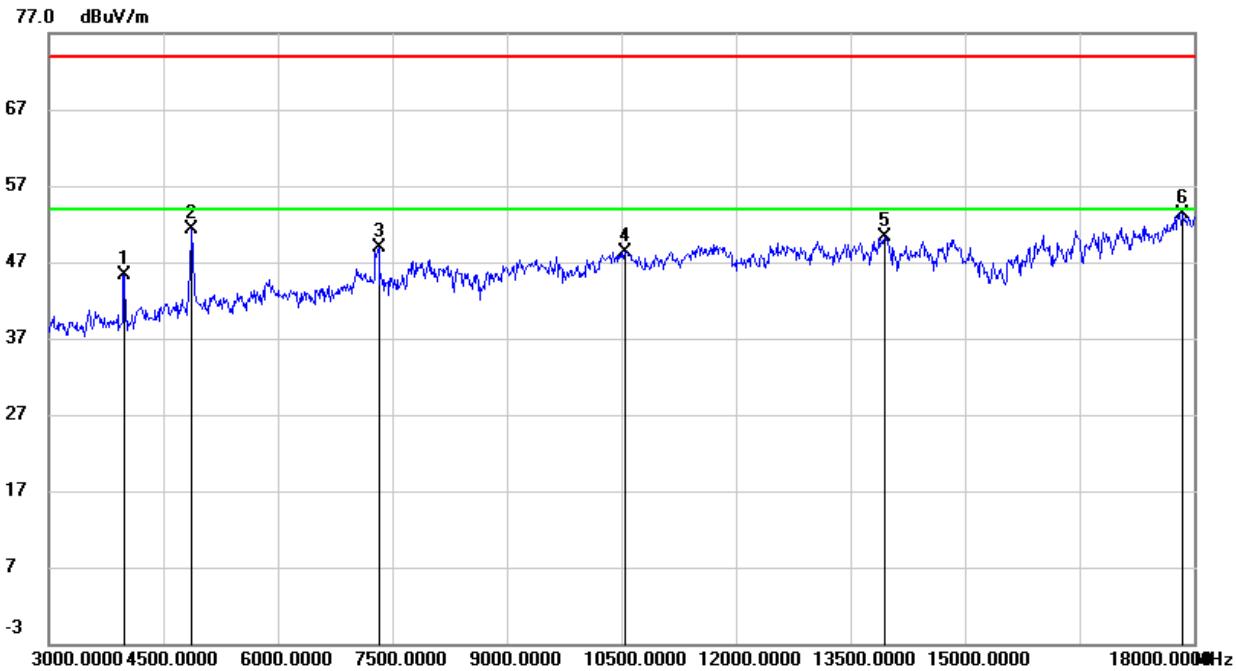
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3975.000	48.13	-2.90	45.23	74.00	-28.77	peak
2	4830.000	47.74	0.59	48.33	74.00	-25.67	peak
3	7995.000	40.73	6.89	47.62	74.00	-26.38	peak
4	11595.000	36.61	13.19	49.80	74.00	-24.20	peak
5	14490.000	34.40	16.37	50.77	74.00	-23.23	peak
6	17850.000	29.57	23.32	52.89	74.00	-21.11	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 High Pass Filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

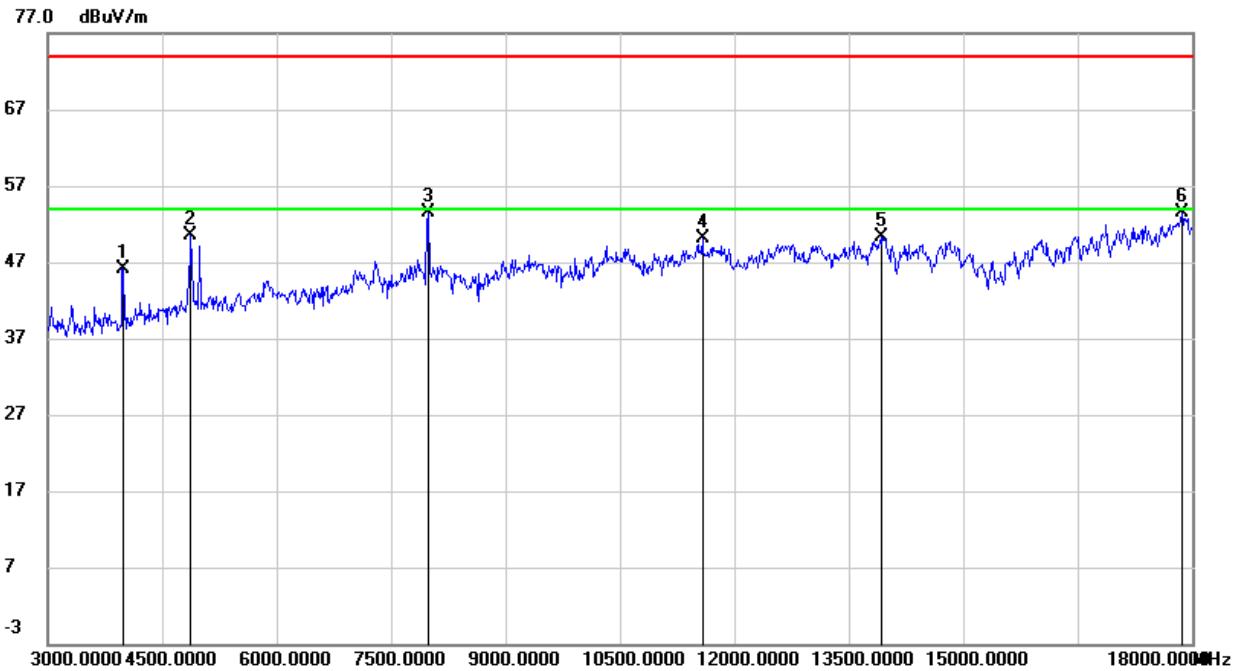
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	50.60	-2.89	47.71	74.00	-26.29	peak
2	5880.000	40.27	4.59	44.86	74.00	-29.14	peak
3	7965.000	45.08	7.00	52.08	74.00	-21.92	peak
4	11505.000	36.09	13.42	49.51	74.00	-24.49	peak
5	13965.000	34.25	16.09	50.34	74.00	-23.66	peak
6	17850.000	29.15	23.32	52.47	74.00	-21.53	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 High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

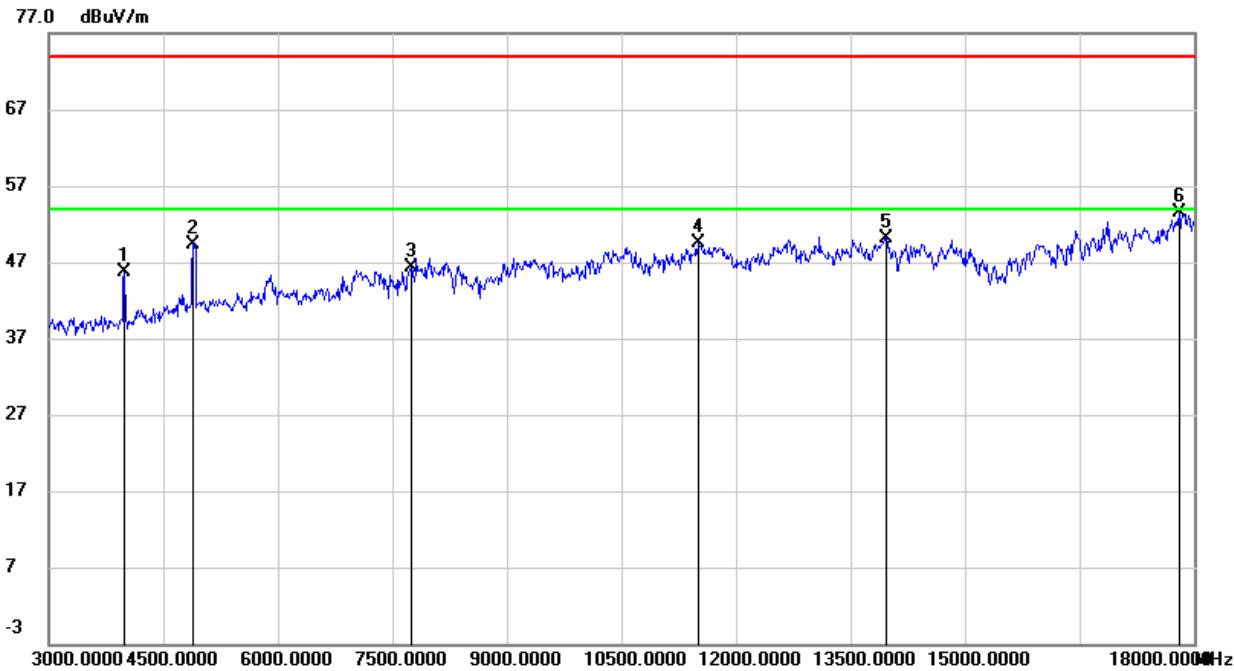
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	48.14	-2.89	45.25	74.00	-28.75	peak
2	4875.000	50.61	0.76	51.37	74.00	-22.63	peak
3	7320.000	42.83	6.14	48.97	74.00	-25.03	peak
4	10545.000	36.73	11.64	48.37	74.00	-25.63	peak
5	13950.000	34.15	16.11	50.26	74.00	-23.74	peak
6	17850.000	30.08	23.32	53.40	74.00	-20.60	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 High Pass Filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

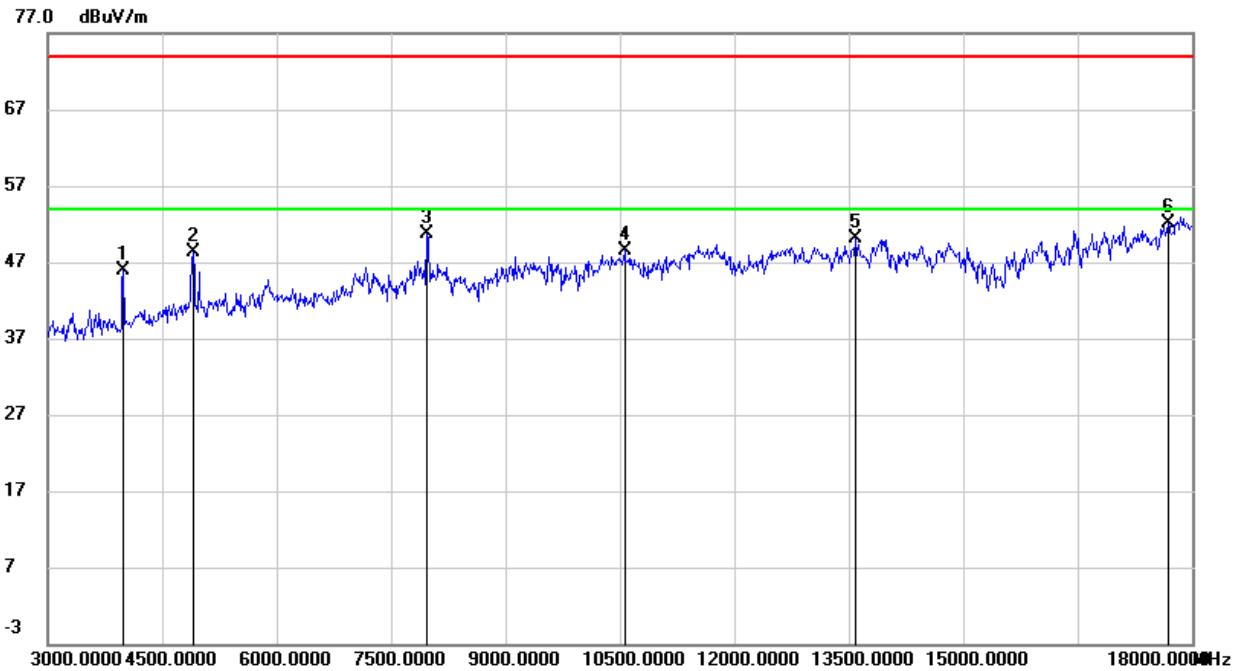
No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	3990.000	49.09	-2.89	46.20	74.00	-27.80	peak
2	4875.000	49.67	0.76	50.43	74.00	-23.57	peak
3	7995.000	46.52	6.89	53.41	74.00	-20.59	peak
4	11580.000	36.89	13.23	50.12	74.00	-23.88	peak
5	13920.000	34.13	16.17	50.30	74.00	-23.70	peak
6	17865.000	30.18	23.33	53.51	74.00	-20.49	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 High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

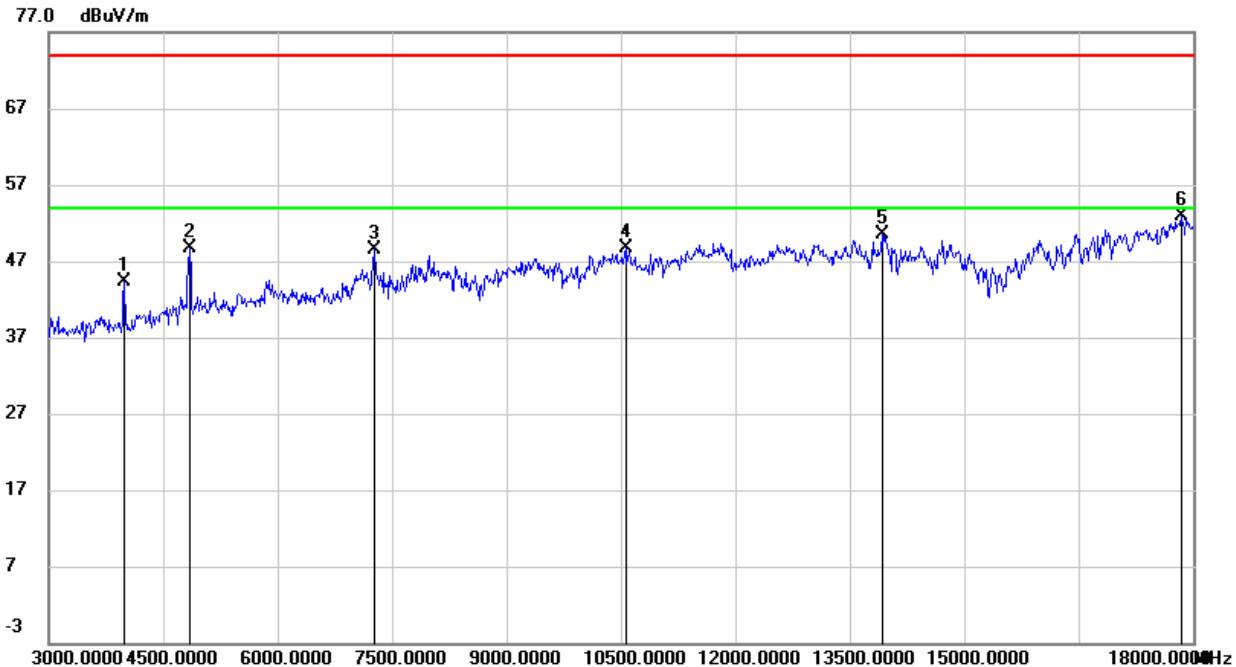
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	48.64	-2.89	45.75	74.00	-28.25	peak
2	4890.000	48.58	0.82	49.40	74.00	-24.60	peak
3	7755.000	38.96	7.29	46.25	74.00	-27.75	peak
4	11505.000	35.99	13.42	49.41	74.00	-24.59	peak
5	13965.000	34.05	16.09	50.14	74.00	-23.86	peak
6	17805.000	30.24	23.31	53.55	74.00	-20.45	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 High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

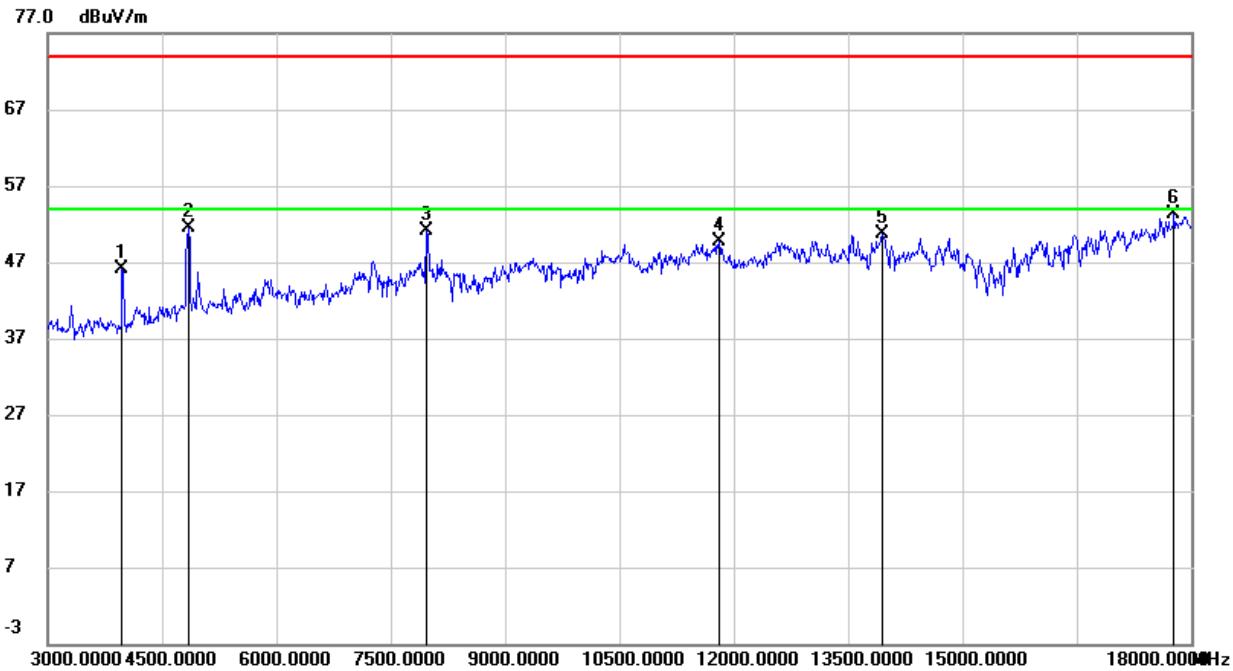
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	48.89	-2.89	46.00	74.00	-28.00	peak
2	4905.000	47.35	0.88	48.23	74.00	-25.77	peak
3	7965.000	43.77	7.00	50.77	74.00	-23.23	peak
4	10560.000	36.86	11.73	48.59	74.00	-25.41	peak
5	13590.000	34.09	16.00	50.09	74.00	-23.91	peak
6	17685.000	29.79	22.33	52.12	74.00	-21.88	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 High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

**2TX MODE FOR ANT WCT5H-20 (WORST-CASE CONFIGURATION)****HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)**

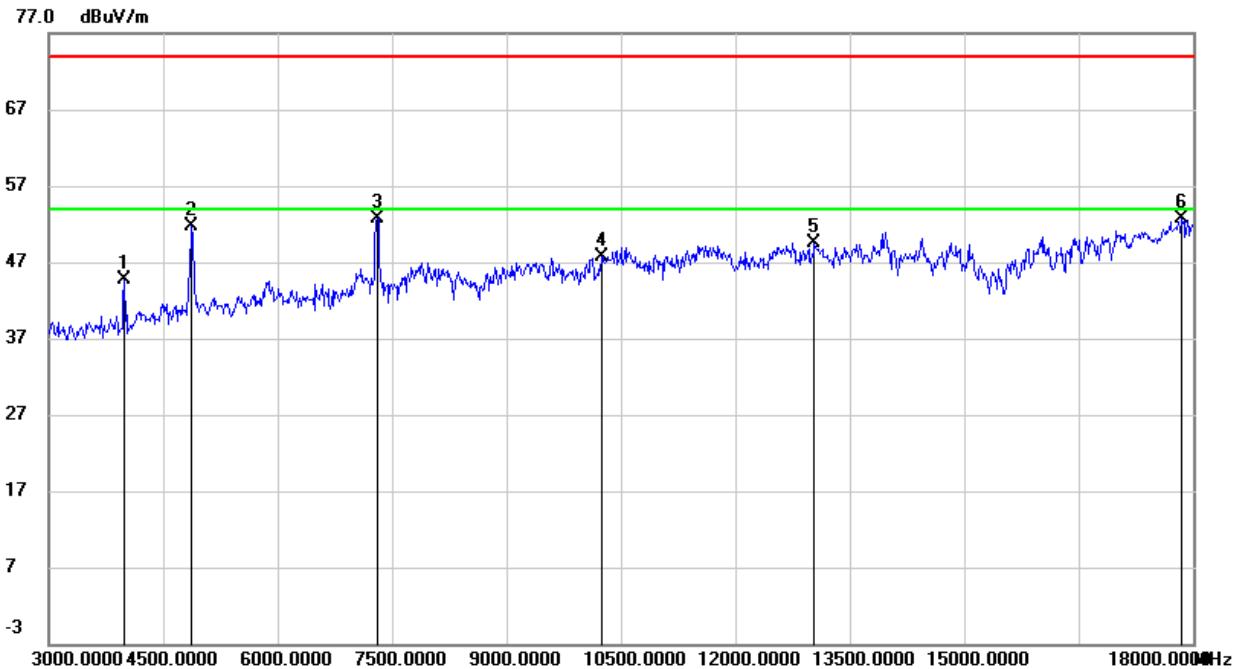
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3990.000	47.18	-2.89	44.29	74.00	-29.71	peak
2	4845.000	48.03	0.64	48.67	74.00	-25.33	peak
3	7275.000	42.53	6.00	48.53	74.00	-25.47	peak
4	10560.000	36.90	11.73	48.63	74.00	-25.37	peak
5	13920.000	34.31	16.17	50.48	74.00	-23.52	peak
6	17850.000	29.55	23.32	52.87	74.00	-21.13	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 High Pass Filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**

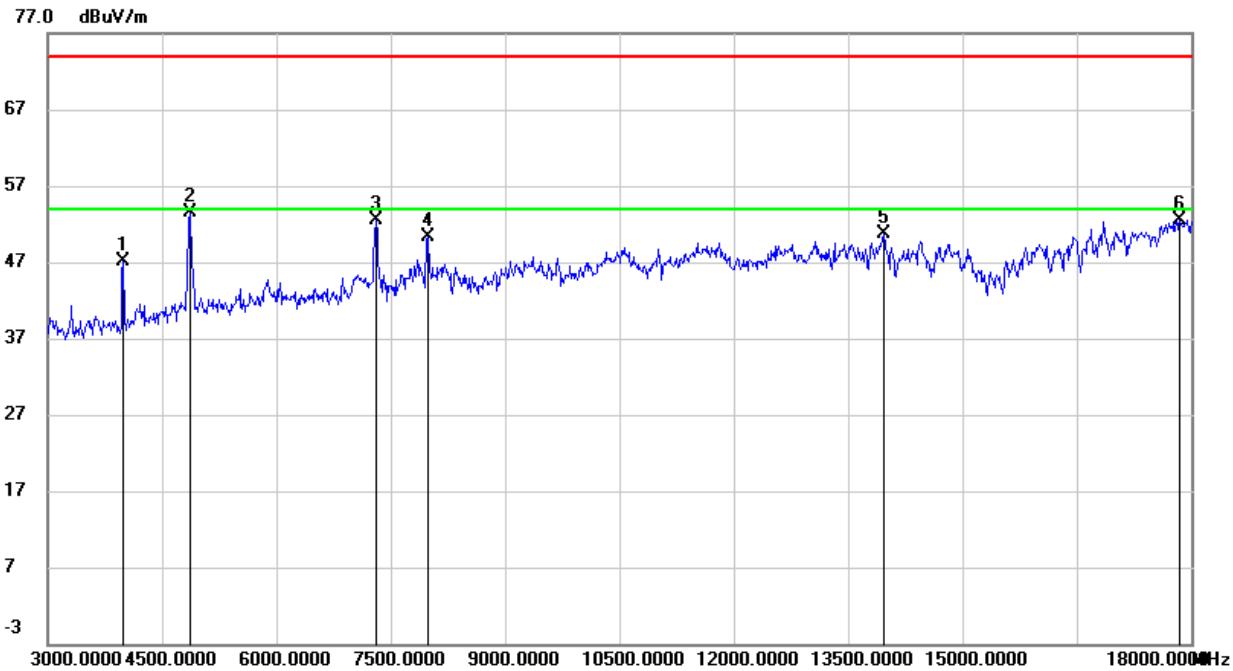
No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	3975.000	48.94	-2.90	46.04	74.00	-27.96	peak
2	4845.000	50.79	0.64	51.43	74.00	-22.57	peak
3	7965.000	44.14	7.00	51.14	74.00	-22.86	peak
4	11805.000	36.60	13.19	49.79	74.00	-24.21	peak
5	13950.000	34.51	16.11	50.62	74.00	-23.38	peak
6	17775.000	30.24	23.09	53.33	74.00	-20.67	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 High Pass Filter losses.  
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	47.62	-2.89	44.73	74.00	-29.27	peak
2	4875.000	51.04	0.76	51.80	74.00	-22.20	peak
3	7305.000	46.71	6.08	52.79	74.00	-21.21	peak
4	10245.000	37.23	10.56	47.79	74.00	-26.21	peak
5	13035.000	34.52	15.03	49.55	74.00	-24.45	peak
6	17850.000	29.36	23.32	52.68	74.00	-21.32	peak

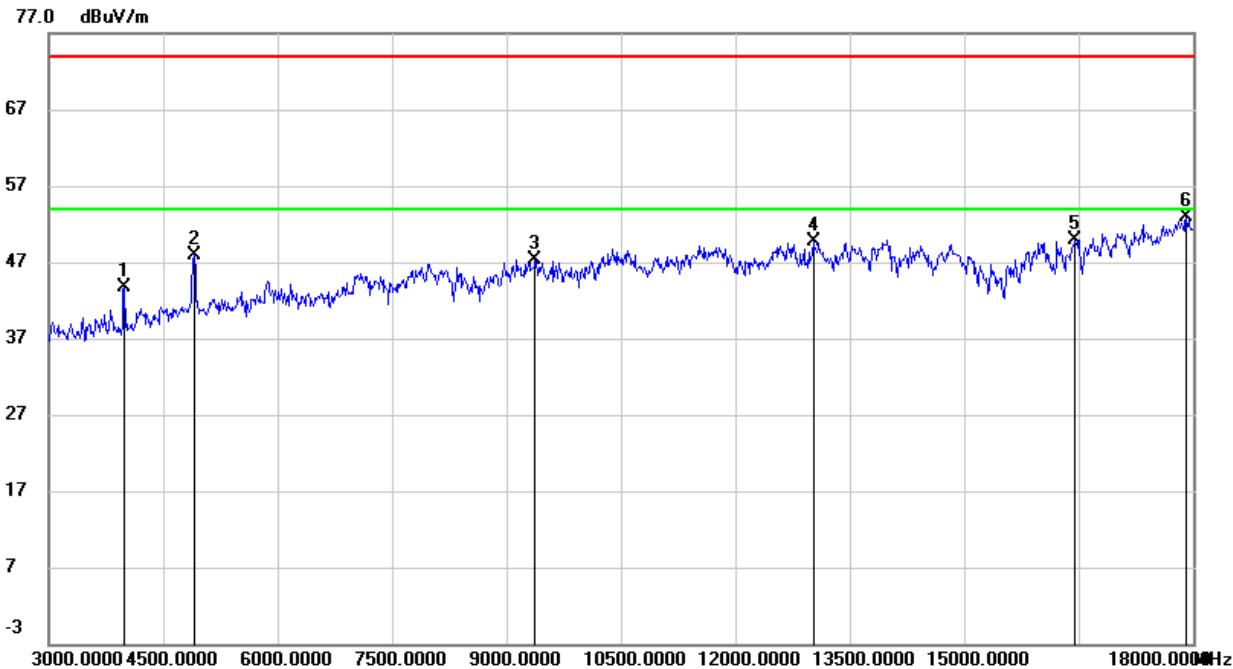
Note: 1. Peak Result = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	3990.000	49.90	-2.89	47.01	74.00	-26.99	peak
2	4860.000	52.89	0.70	53.59	74.00	-20.41	peak
3	7305.000	46.42	6.08	52.50	74.00	-21.50	peak
4	7995.000	43.37	6.89	50.26	74.00	-23.74	peak
5	13965.000	34.57	16.09	50.66	74.00	-23.34	peak
6	17850.000	29.13	23.32	52.45	74.00	-21.55	peak

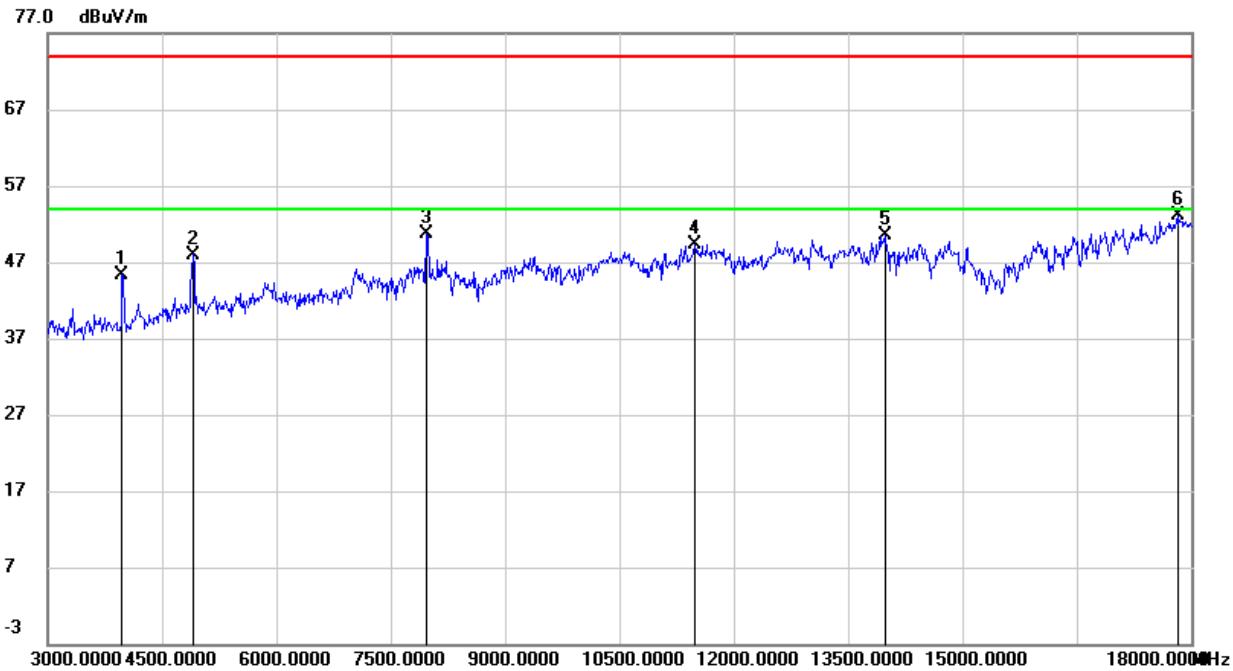
Note:

1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
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 High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	46.67	-2.89	43.78	74.00	-30.22	peak
2	4905.000	47.12	0.88	48.00	74.00	-26.00	peak
3	9375.000	37.90	9.45	47.35	74.00	-26.65	peak
4	13020.000	34.65	14.98	49.63	74.00	-24.37	peak
5	16455.000	30.83	19.00	49.83	74.00	-24.17	peak
6	17910.000	29.50	23.35	52.85	74.00	-21.15	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 High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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	48.25	-2.90	45.35	74.00	-28.65	peak
2	4905.000	47.12	0.88	48.00	74.00	-26.00	peak
3	7965.000	43.67	7.00	50.67	74.00	-23.33	peak
4	11490.000	36.00	13.34	49.34	74.00	-24.66	peak
5	13980.000	34.36	16.07	50.43	74.00	-23.57	peak
6	17820.000	29.80	23.30	53.10	74.00	-20.90	peak

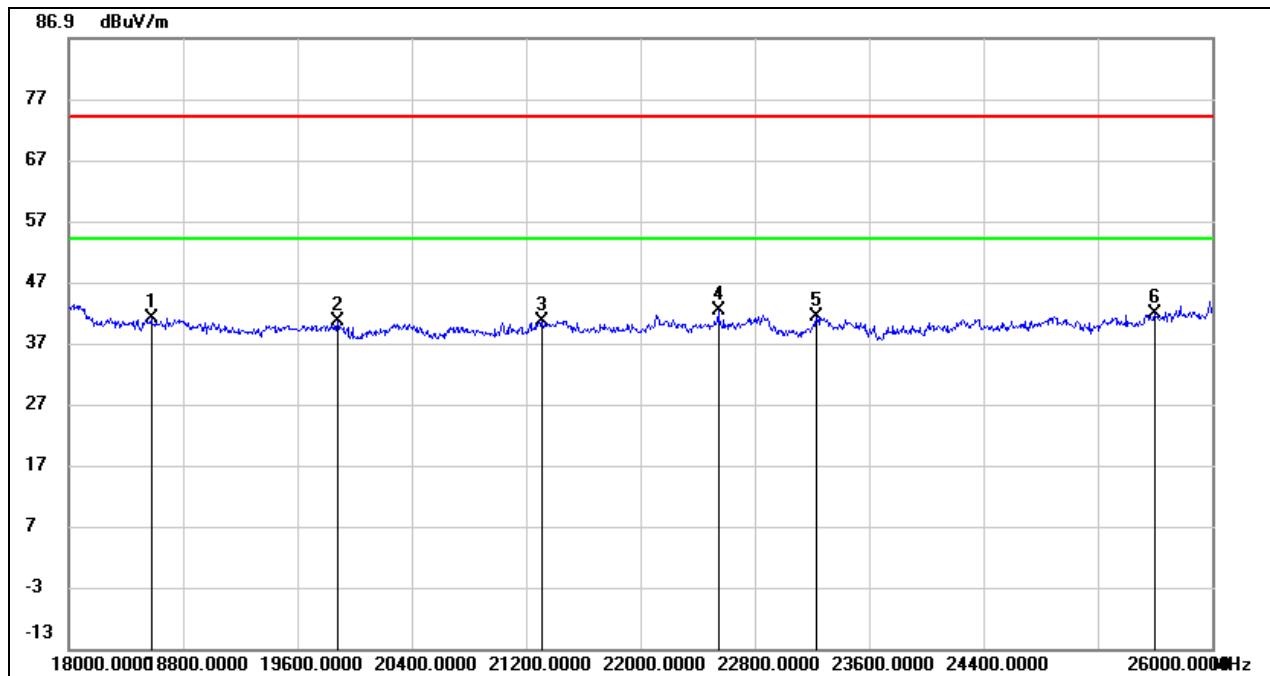
Note: 1. Peak Result = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

## 7.11. SPURIOUS EMISSIONS (18~26GHz)

### 7.11.1. 802.11b MODE

#### 1TX MODE FOR ANT1 WCT5J-20

#### SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)

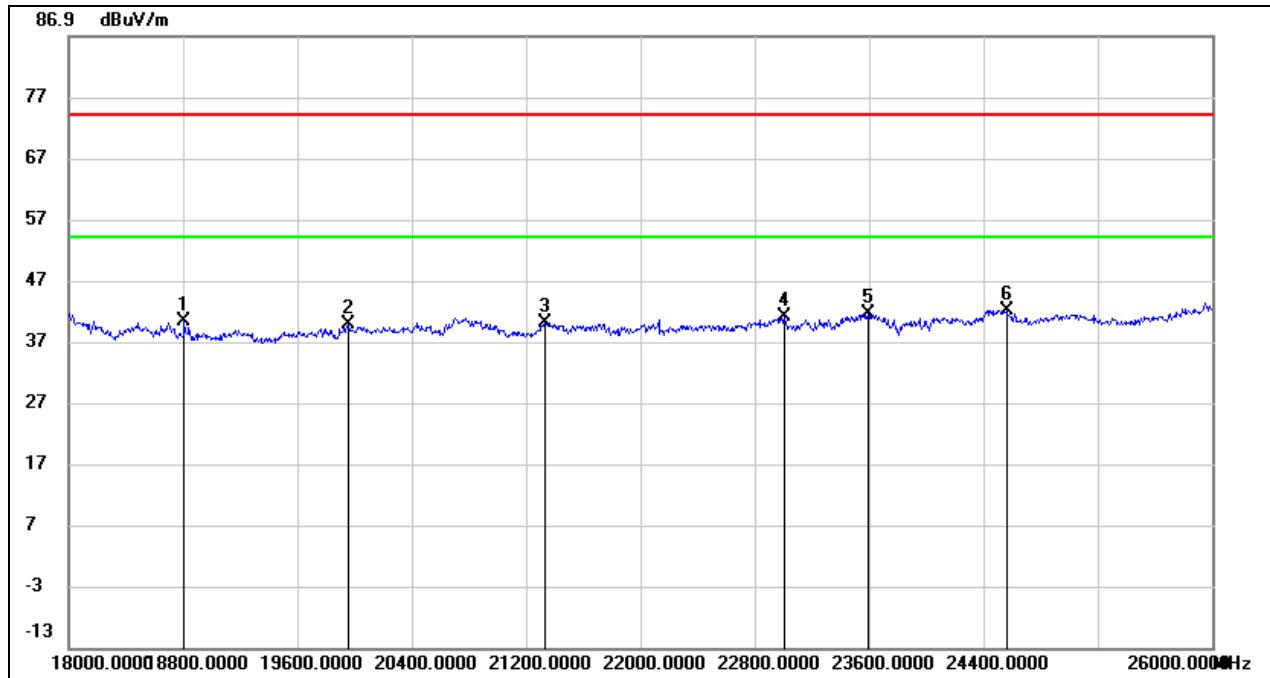


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18576.000	45.47	-4.51	40.96	74.00	-33.04	peak
2	19880.000	44.85	-4.36	40.49	74.00	-33.51	peak
3	21312.000	46.12	-5.57	40.55	74.00	-33.45	peak
4	22544.000	47.98	-5.79	42.19	74.00	-31.81	peak
5	23232.000	46.45	-5.28	41.17	74.00	-32.83	peak
6	25600.000	43.28	-1.62	41.66	74.00	-32.34	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.

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

No.	Frequency (MHz)	Reading (dB <sub>UV</sub> )	Correct (dB/m)	Result (dB <sub>UV</sub> /m)	Limit (dB <sub>UV</sub> /m)	Margin (dB)	Remark
1	18808.000	45.05	-4.85	40.20	74.00	-33.80	peak
2	19960.000	44.26	-4.37	39.89	74.00	-34.11	peak
3	21336.000	45.73	-5.60	40.13	74.00	-33.87	peak
4	23008.000	46.52	-5.60	40.92	74.00	-33.08	peak
5	23592.000	46.16	-4.71	41.45	74.00	-32.55	peak
6	24560.000	44.35	-2.43	41.92	74.00	-32.08	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.

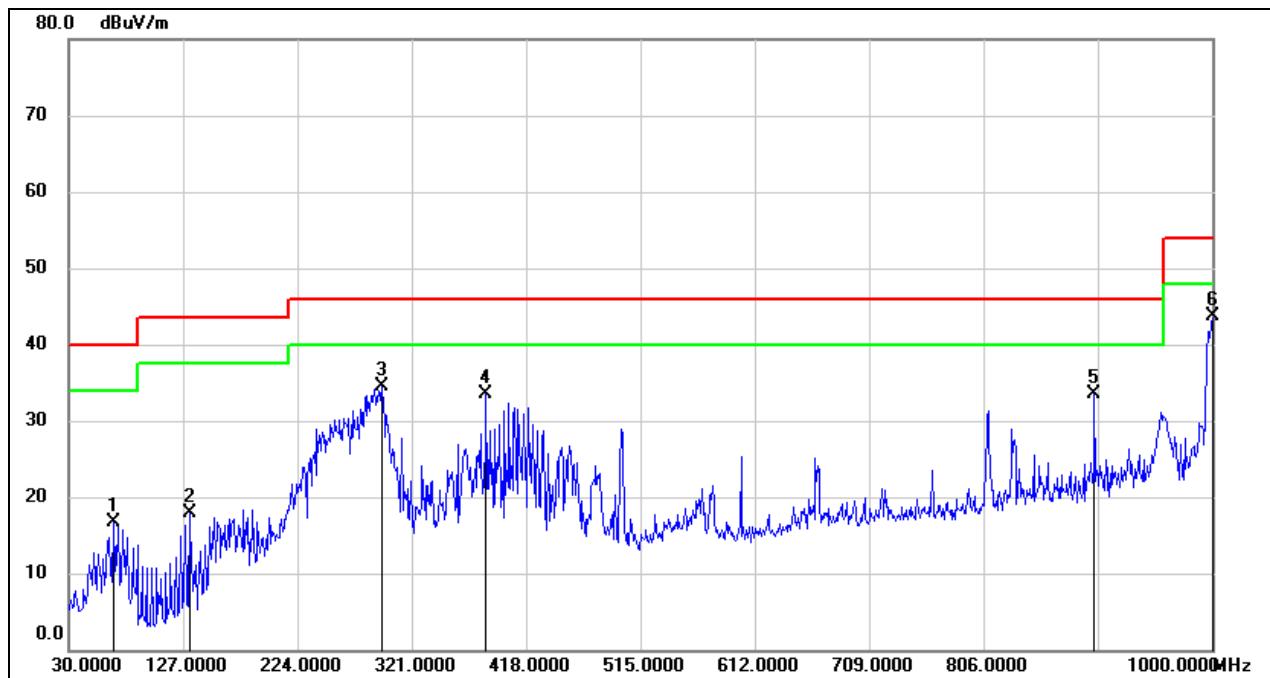
Note: All the test modes have been tested, only the worst data record in the report.

## 7.12. SPURIOUS EMISSIONS (0.03 ~ 1 GHz)

### 7.12.1. 802.11b MODE

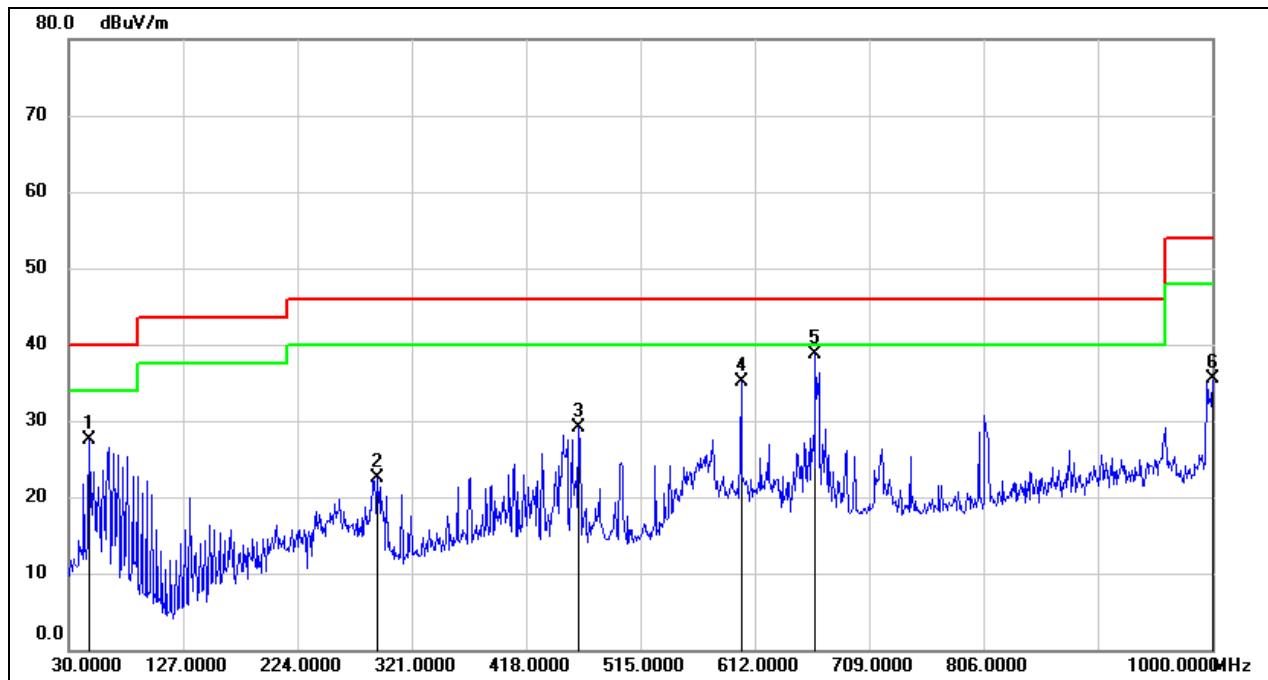
#### 1TX MODE FOR ANT1 WCT5J-20

##### SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	67.8300	36.67	-19.91	16.76	40.00	-23.24	QP
2	132.8200	37.49	-19.51	17.98	43.50	-25.52	QP
3	295.7800	48.87	-14.41	34.46	46.00	-11.54	QP
4	384.0500	46.38	-12.97	33.41	46.00	-12.59	QP
5	900.0900	37.68	-4.25	33.43	46.00	-12.57	QP
6	1000.0000	46.59	-2.84	43.75	54.00	-10.25	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.

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

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.4600	45.78	-18.19	27.59	40.00	-12.41	QP
2	291.9000	37.19	-14.65	22.54	46.00	-23.46	QP
3	462.6200	40.74	-11.73	29.01	46.00	-16.99	QP
4	600.3600	43.97	-8.90	35.07	46.00	-10.93	QP
5	663.4099	46.29	-7.68	38.61	46.00	-7.39	QP
6	1000.0000	38.39	-2.84	35.55	54.00	-18.45	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 test modes have been tested, only the worst data record in the report.

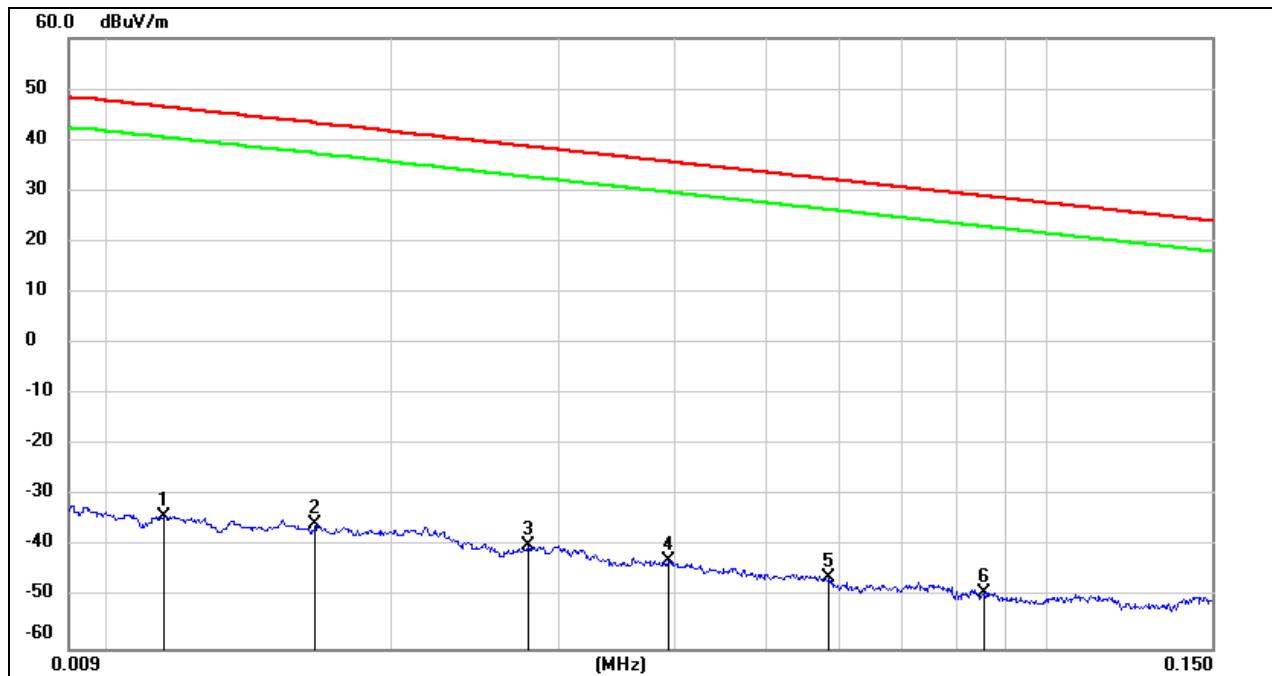
## 7.13. SPURIOUS EMISSIONS BELOW 30M

### 7.13.1. 802.11b MODE

#### 1TX MODE FOR ANT1 WCT5J-20

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

9kHz~ 150kHz

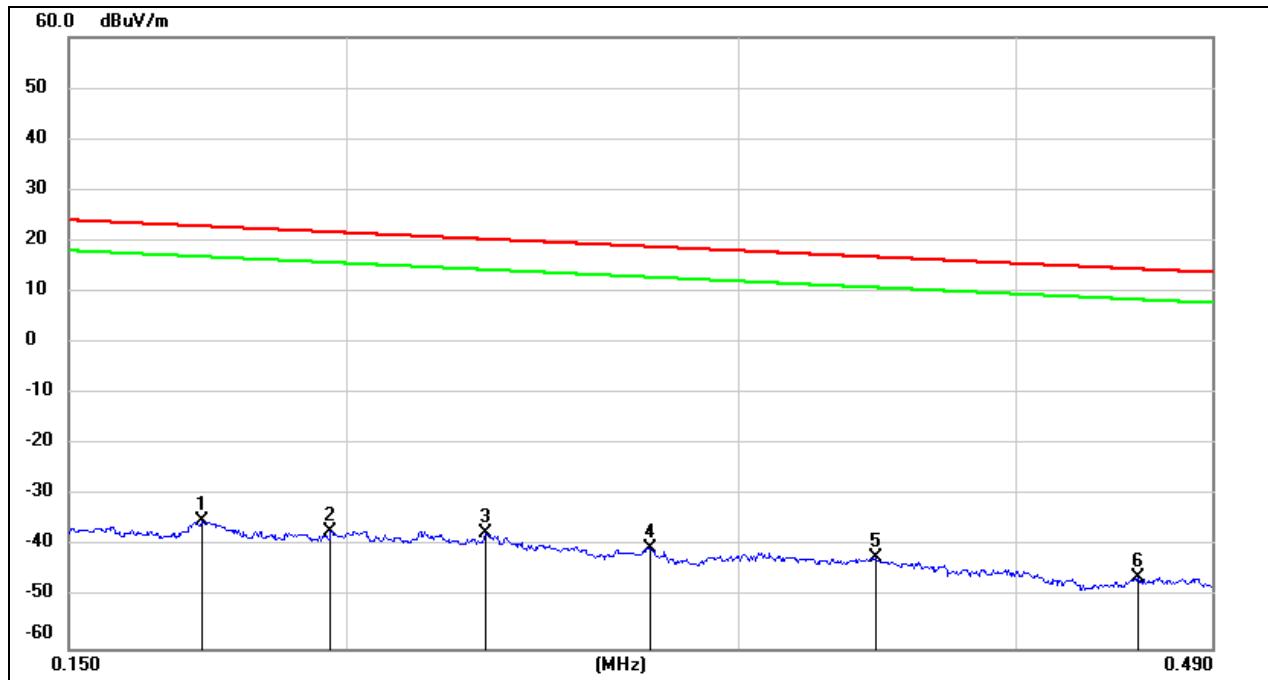


No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.0114	67.45	-101.40	-33.95	46.46	-85.45	-5.04	-80.41	peak
2	0.0165	65.84	-101.37	-35.53	43.25	-87.03	-8.25	-78.78	peak
3	0.0279	61.67	-101.38	-39.71	38.69	-91.21	-12.81	-78.40	peak
4	0.0393	58.73	-101.43	-42.70	35.71	-94.20	-15.79	-78.41	peak
5	0.0585	55.51	-101.52	-46.01	32.26	-97.51	-19.24	-78.27	peak
6	0.0855	52.67	-101.68	-49.01	28.96	-100.51	-22.54	-77.97	peak

Note: 1. Measurement = Reading Level + Correct Factor (dBuA/m= dBuV/m-  $20\log_{10}[120\pi]$  = dBuV/m- 51.5).

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.

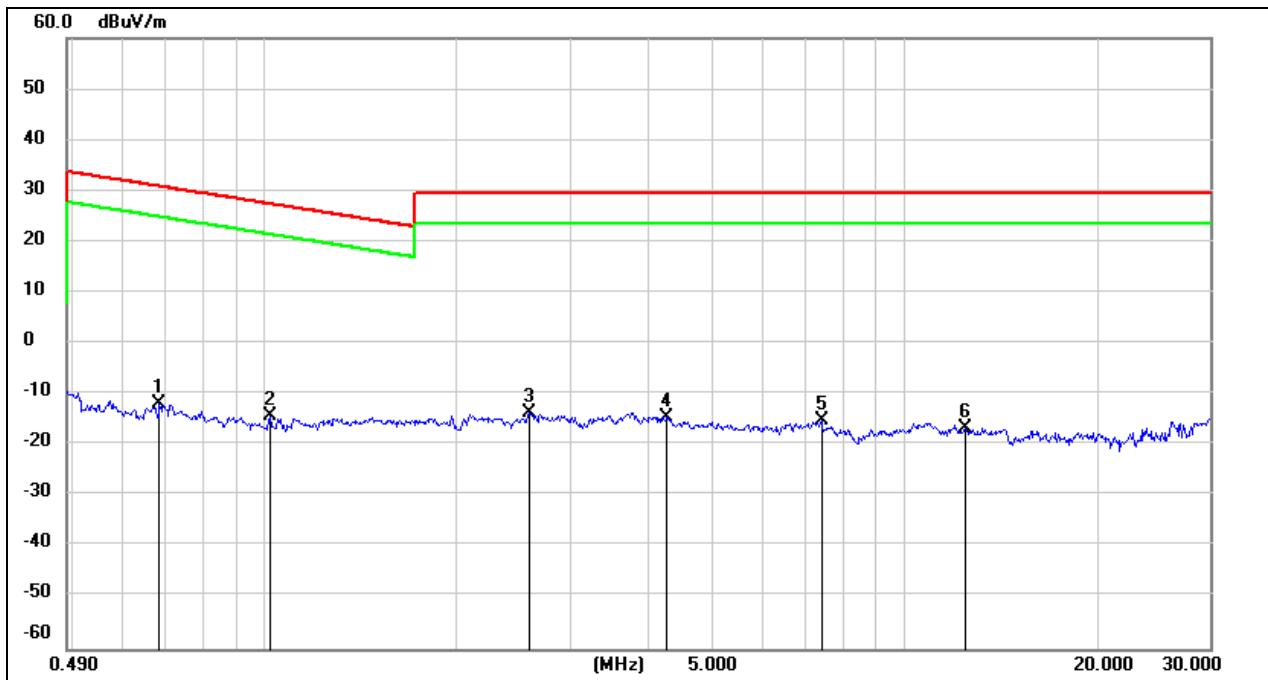
150kHz ~ 490kHz

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.1720	66.69	-101.67	-34.98	22.90	-86.48	-28.60	-57.88	peak
2	0.1966	64.68	-101.71	-37.03	21.73	-88.53	-29.77	-58.76	peak
3	0.2308	64.33	-101.77	-37.44	20.34	-88.94	-31.16	-57.78	peak
4	0.2736	61.58	-101.83	-40.25	18.86	-91.75	-32.64	-59.11	peak
5	0.3462	59.74	-101.90	-42.16	16.81	-93.66	-34.69	-58.97	peak
6	0.4540	55.96	-102.02	-46.06	14.46	-97.56	-37.04	-60.52	peak

Note: 1. Measurement = Reading Level + Correct Factor (dBuA/m= dBuV/m- 20Log10[120π] = dBuV/m- 51.5).

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.

490kHz ~ 30MHz

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.6834	50.21	-62.11	-11.90	30.91	-63.40	-20.59	-42.81	peak
2	1.0212	47.98	-62.25	-14.27	27.42	-65.77	-24.08	-41.69	peak
3	2.5935	48.11	-61.68	-13.57	29.54	-65.07	-21.96	-43.11	peak
4	4.2492	46.85	-61.37	-14.52	29.54	-66.02	-21.96	-44.06	peak
5	7.4249	45.95	-61.15	-15.20	29.54	-66.70	-21.96	-44.74	peak
6	12.4710	44.17	-60.91	-16.74	29.54	-68.24	-21.96	-46.28	peak

Note: 1. Measurement = Reading Level + Correct Factor (dBuA/m= dBuV/m- 20Log10[120π] = dBuV/m- 51.5).

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 the test modes have been tested, only the worst data record in the report.

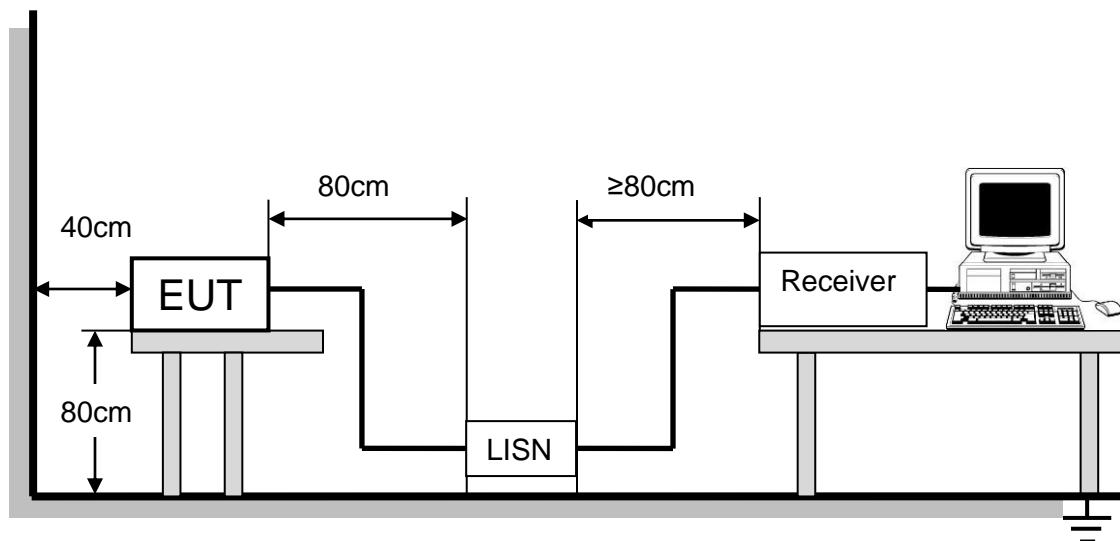
## 8. AC POWER LINE CONDUCTED EMISSIONS

### 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 an 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	23°C	Relative Humidity	58%
Atmosphere Pressure	101kPa	Test Voltage	DC 5V



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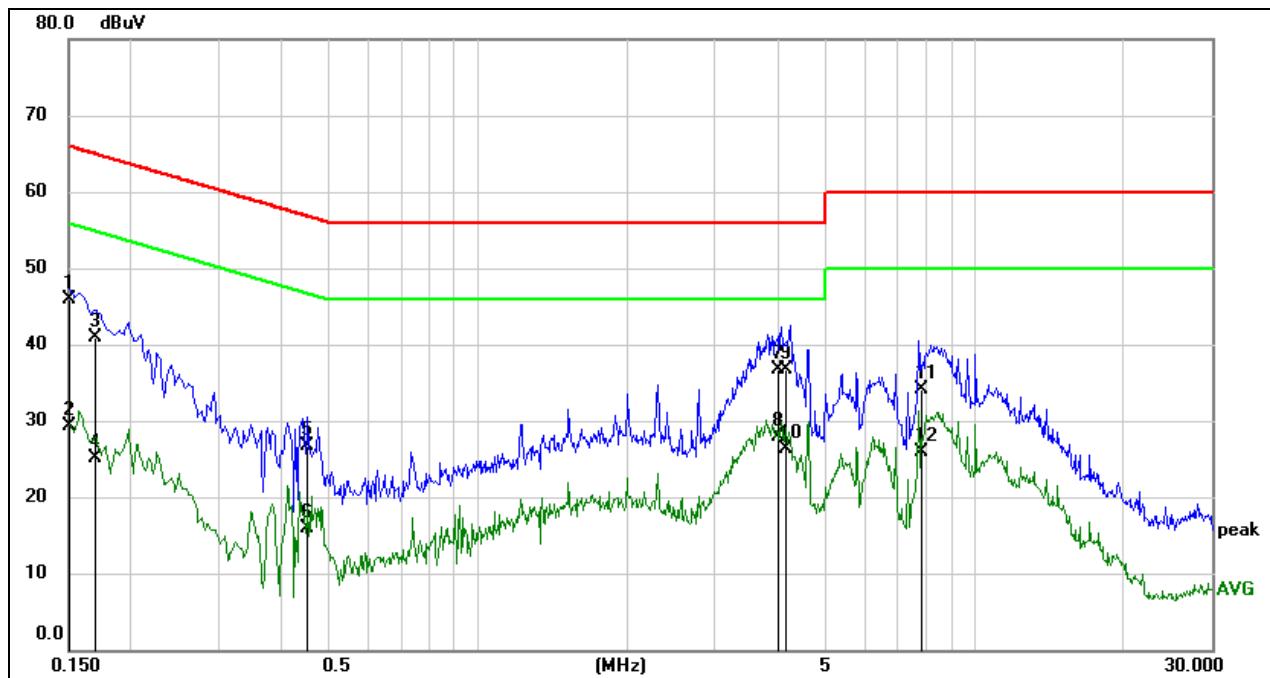
## TEST RESULTS

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## 8.1. 802.11b MODE

## 1TX MODE FOR ANT1 WCT5J-20

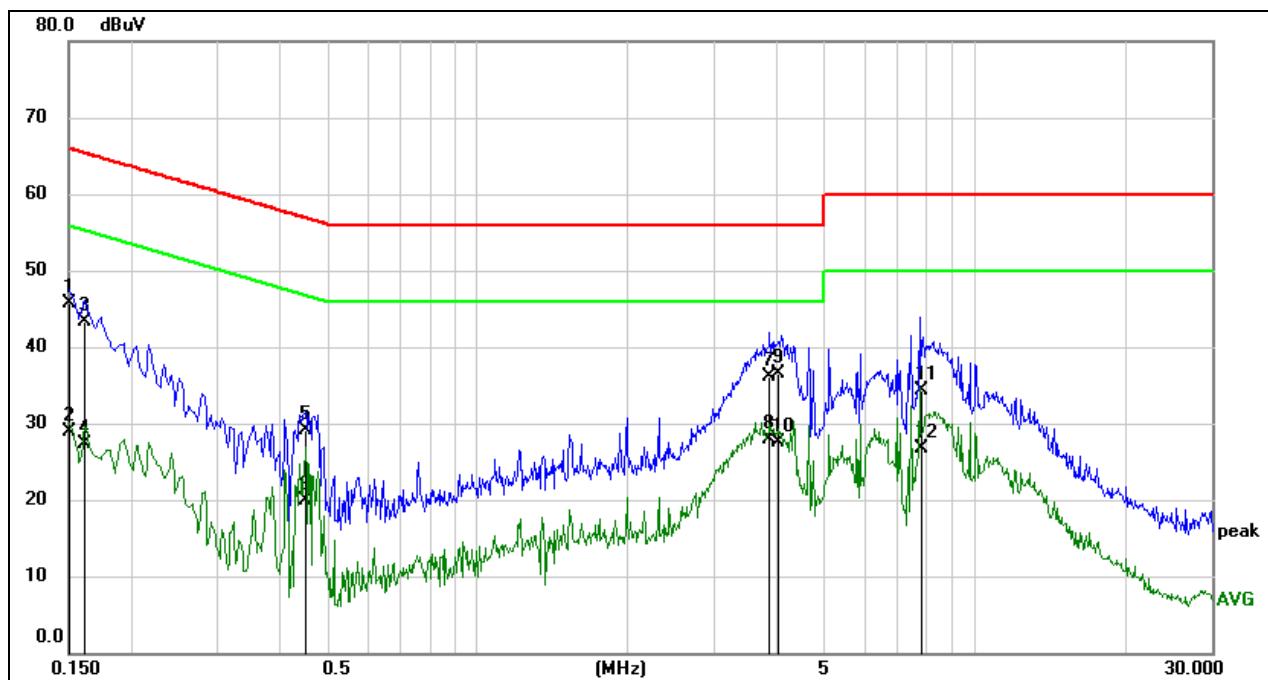
## LINE N RESULTS (LOW CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1502	36.36	9.60	45.96	65.99	-20.03	QP
2	0.1502	19.63	9.60	29.23	55.99	-26.76	AVG
3	0.1694	31.22	9.60	40.82	64.99	-24.17	QP
4	0.1694	15.55	9.60	25.15	54.99	-29.84	AVG
5	0.4579	17.14	9.60	26.74	56.73	-29.99	QP
6	0.4579	6.33	9.60	15.93	46.73	-30.80	AVG
7	4.0117	26.95	9.66	36.61	56.00	-19.39	QP
8	4.0117	18.27	9.66	27.93	46.00	-18.07	AVG
9	4.1834	26.99	9.66	36.65	56.00	-19.35	QP
10	4.1834	16.68	9.66	26.34	46.00	-19.66	AVG
11	7.8217	24.46	9.72	34.18	60.00	-25.82	QP
12	7.8217	16.15	9.72	25.87	50.00	-24.13	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: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

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

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1502	36.17	9.61	45.78	65.99	-20.21	QP
2	0.1502	19.25	9.61	28.86	55.99	-27.13	AVG
3	0.1612	33.65	9.61	43.26	65.40	-22.14	QP
4	0.1612	17.73	9.61	27.34	55.40	-28.06	AVG
5	0.4510	19.54	9.60	29.14	56.86	-27.72	QP
6	0.4510	10.37	9.60	19.97	46.86	-26.89	AVG
7	3.8885	26.52	9.66	36.18	56.00	-19.82	QP
8	3.8885	18.29	9.66	27.95	46.00	-18.05	AVG
9	4.0278	26.80	9.66	36.46	56.00	-19.54	QP
10	4.0278	17.88	9.66	27.54	46.00	-18.46	AVG
11	7.8115	24.67	9.72	34.39	60.00	-25.61	QP
12	7.8115	16.94	9.72	26.66	50.00	-23.34	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 modes have been tested, only the worst data record in the report.

## 9. 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