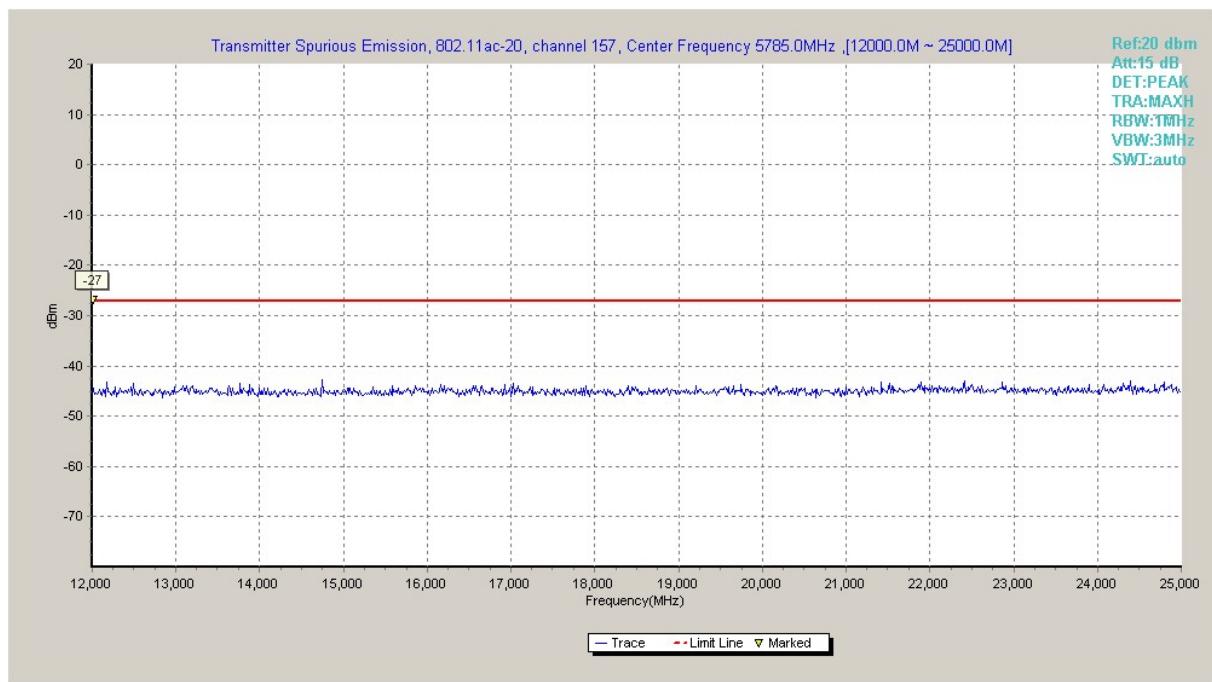
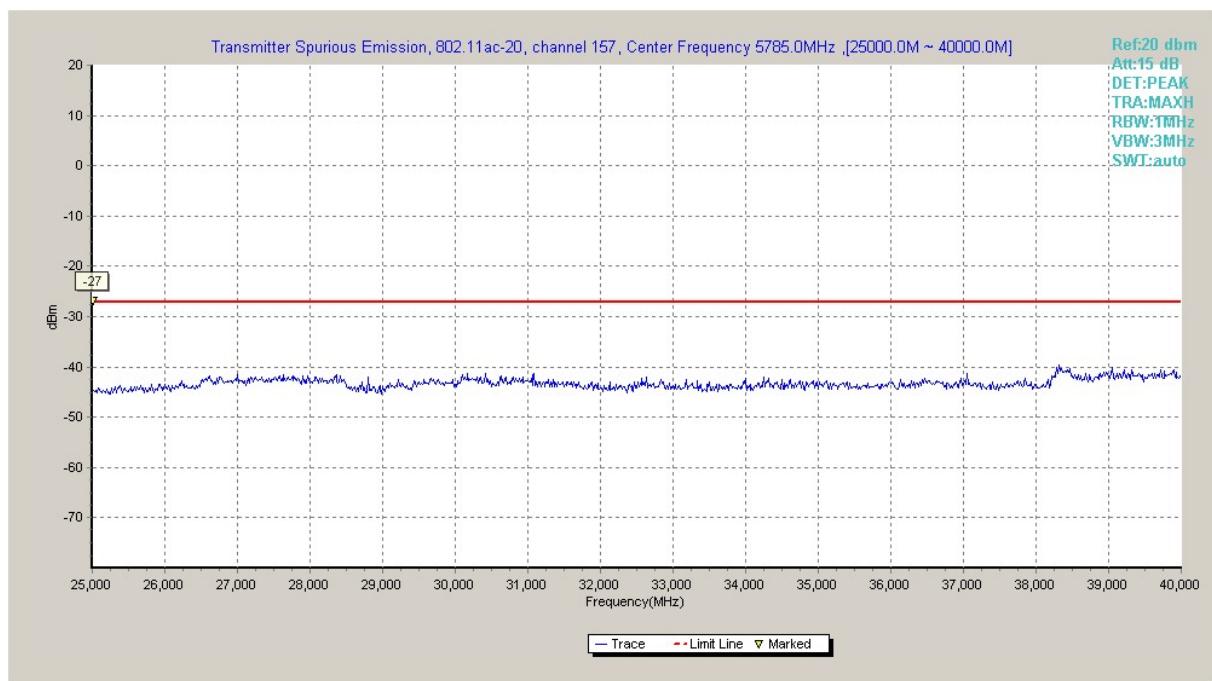


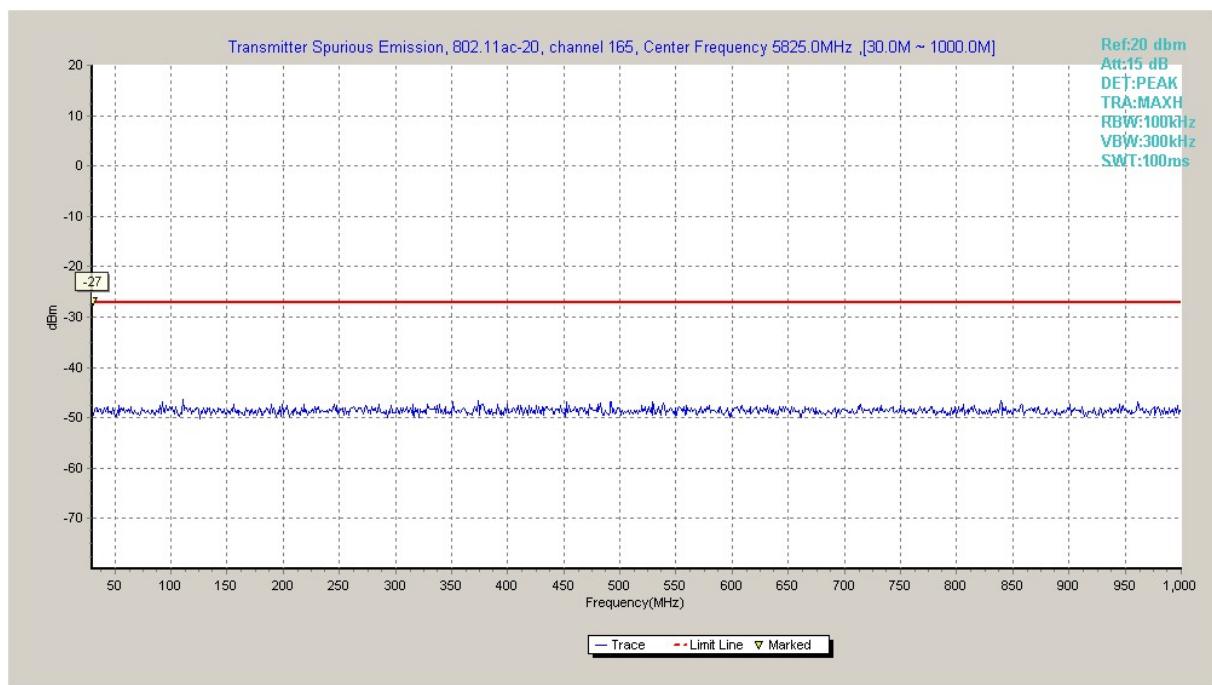
**Fig. 44 Conducted Spurious Emission (802.11ac-HT20, Ch157, 1 GHz -12 GHz)**



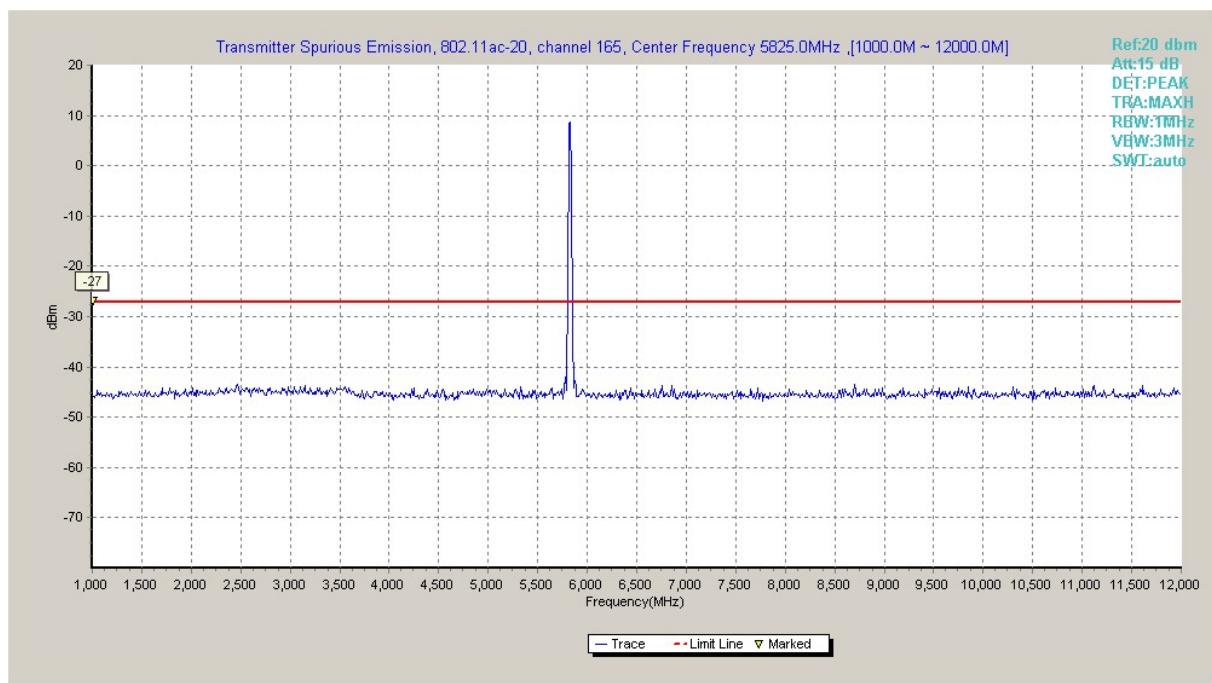
**Fig. 45 Conducted Spurious Emission (802.11ac-HT20, Ch157, 12 GHz-25 GHz)**



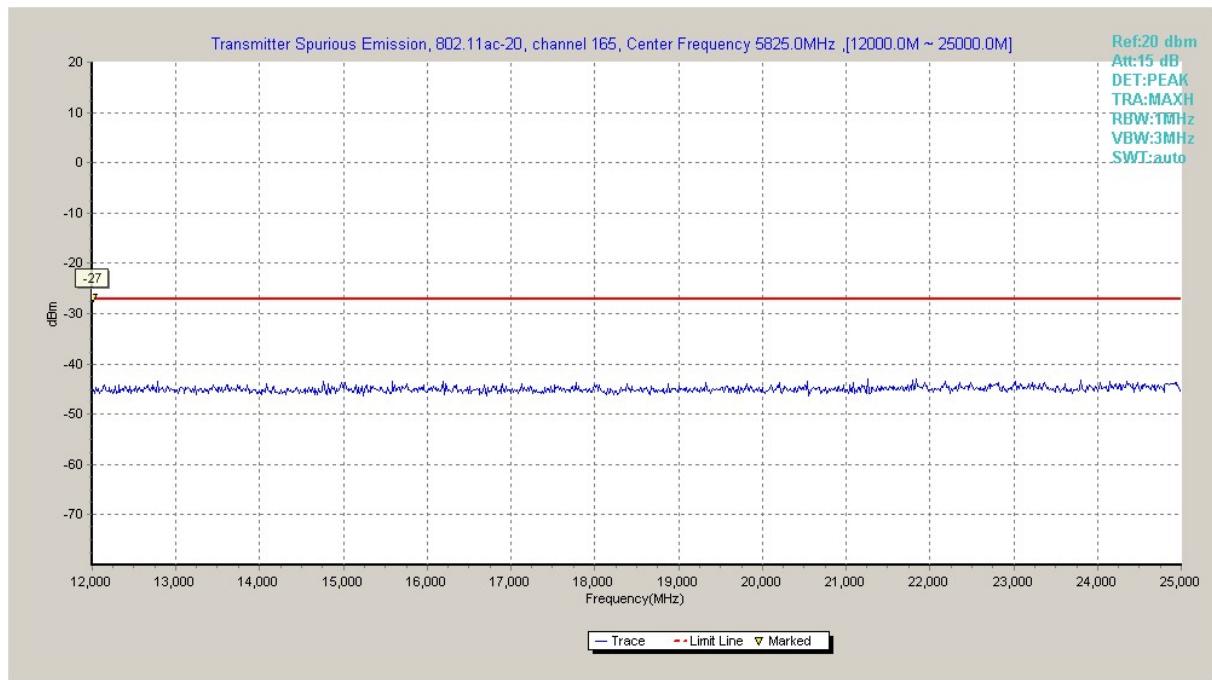
**Fig. 46 Conducted Spurious Emission (802.11ac-HT20, Ch157, 25 GHz-40 GHz)**



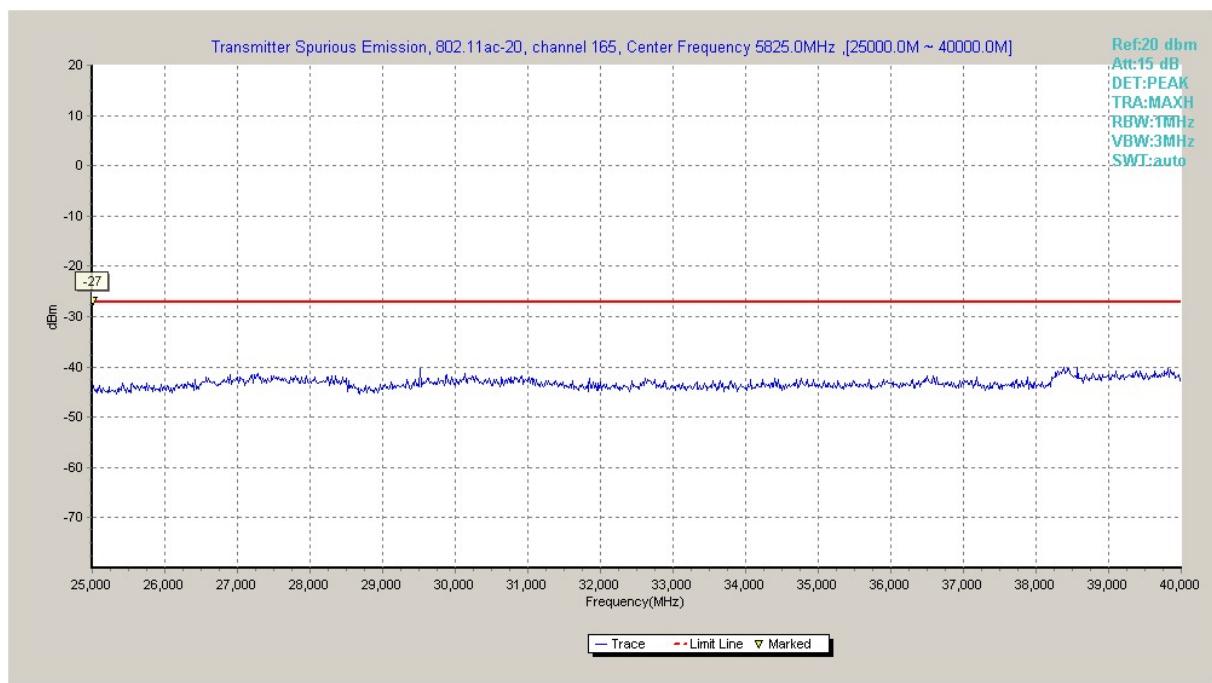
**Fig. 47 Conducted Spurious Emission (802.11ac-HT20, Ch165, 30 MHz-1 GHz)**



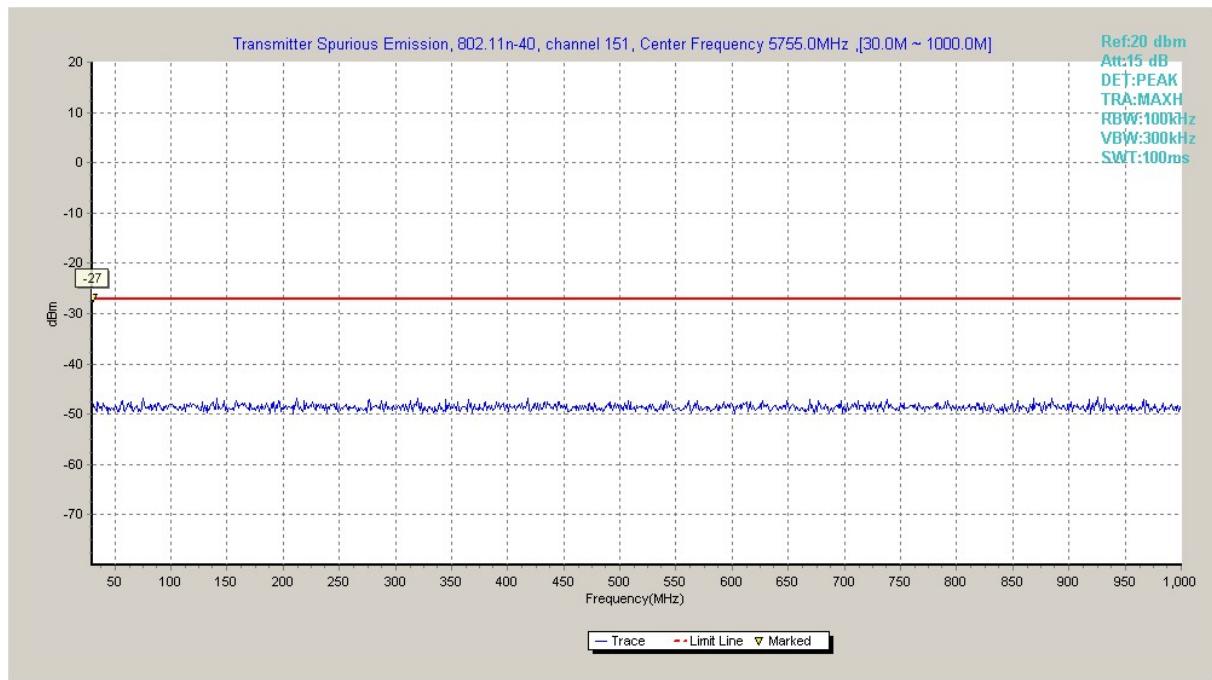
**Fig. 48 Conducted Spurious Emission (802.11ac-HT20, Ch165, 1 GHz -12 GHz)**



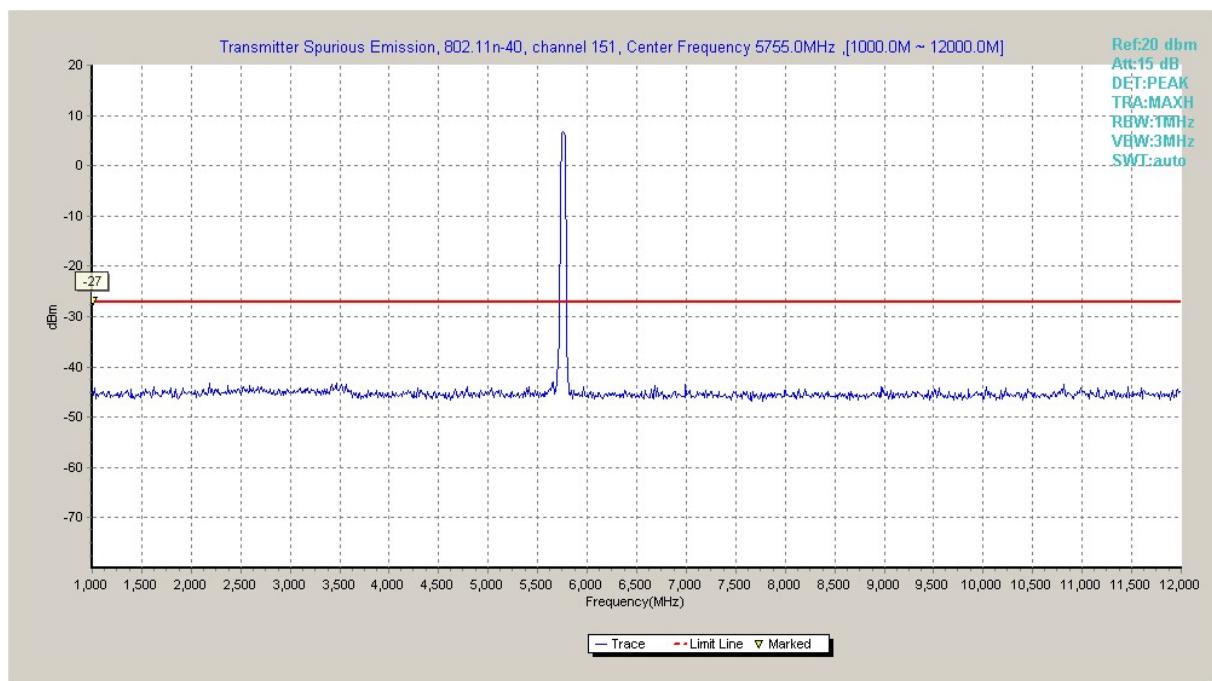
**Fig. 49 Conducted Spurious Emission (802.11ac-HT20, Ch165, 12 GHz-25 GHz)**



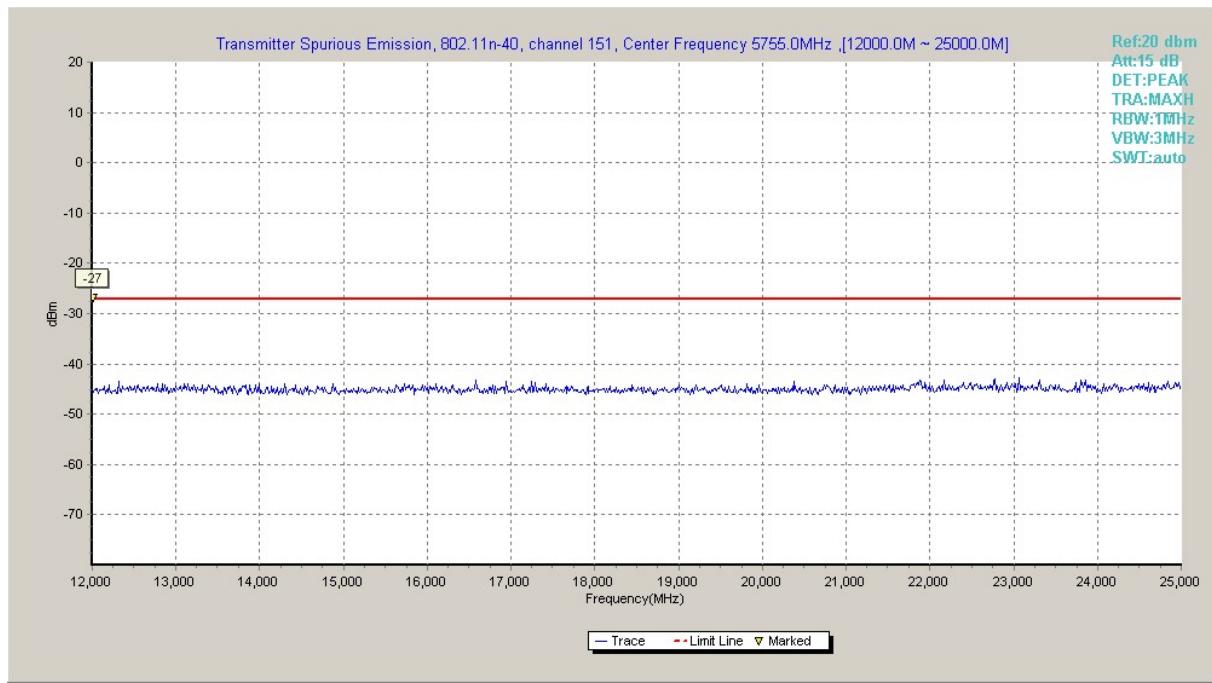
**Fig. 50 Conducted Spurious Emission (802.11ac-HT20, Ch165, 25 GHz-40 GHz)**



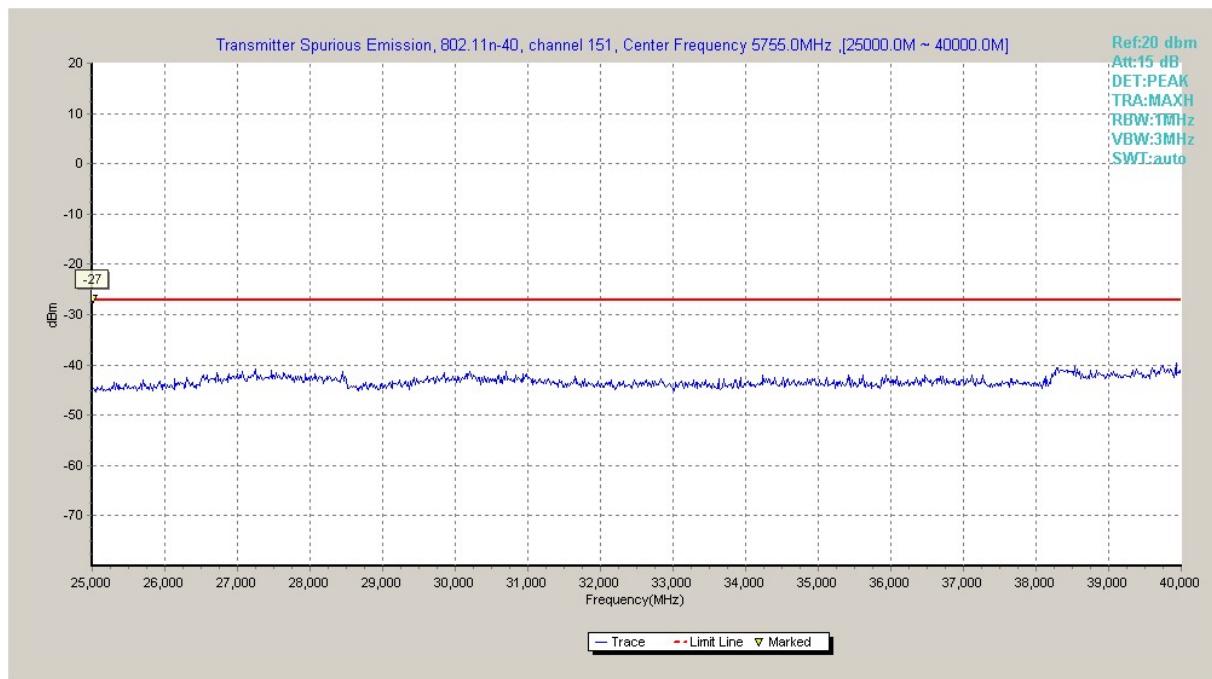
**Fig. 51 Conducted Spurious Emission (802.11n-HT40, Ch151, 30 MHz-1 GHz)**



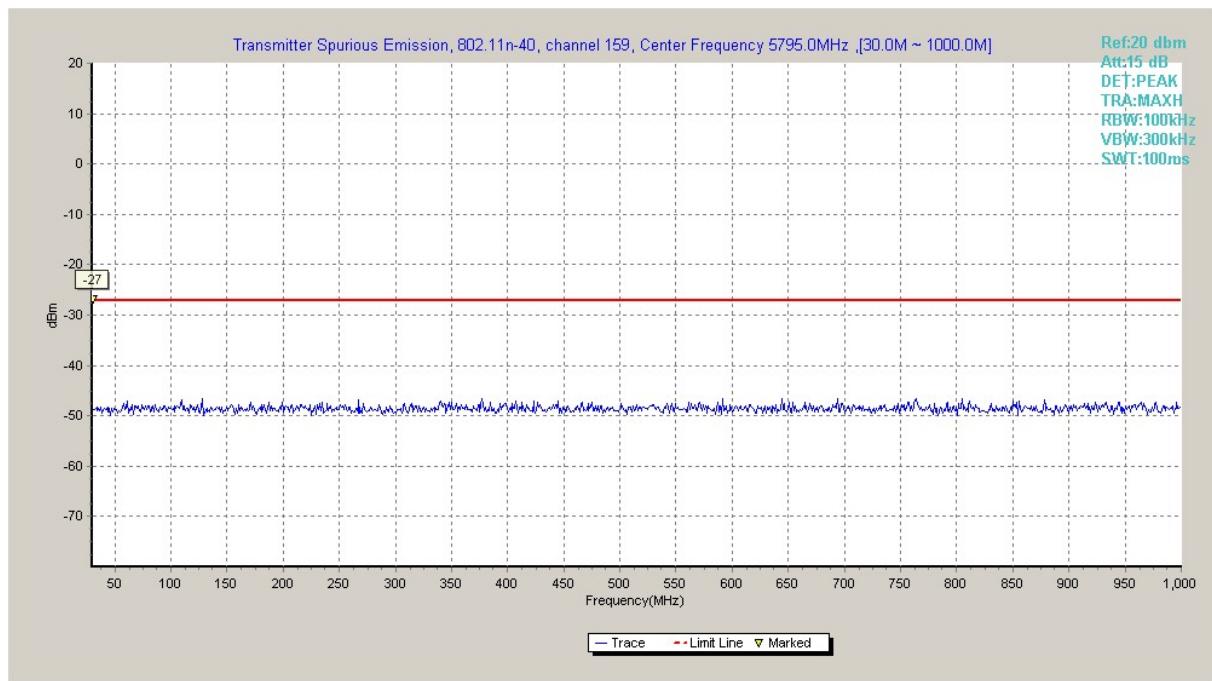
**Fig. 52 Conducted Spurious Emission (802.11n-HT40, Ch151, 1 GHz -12 GHz)**



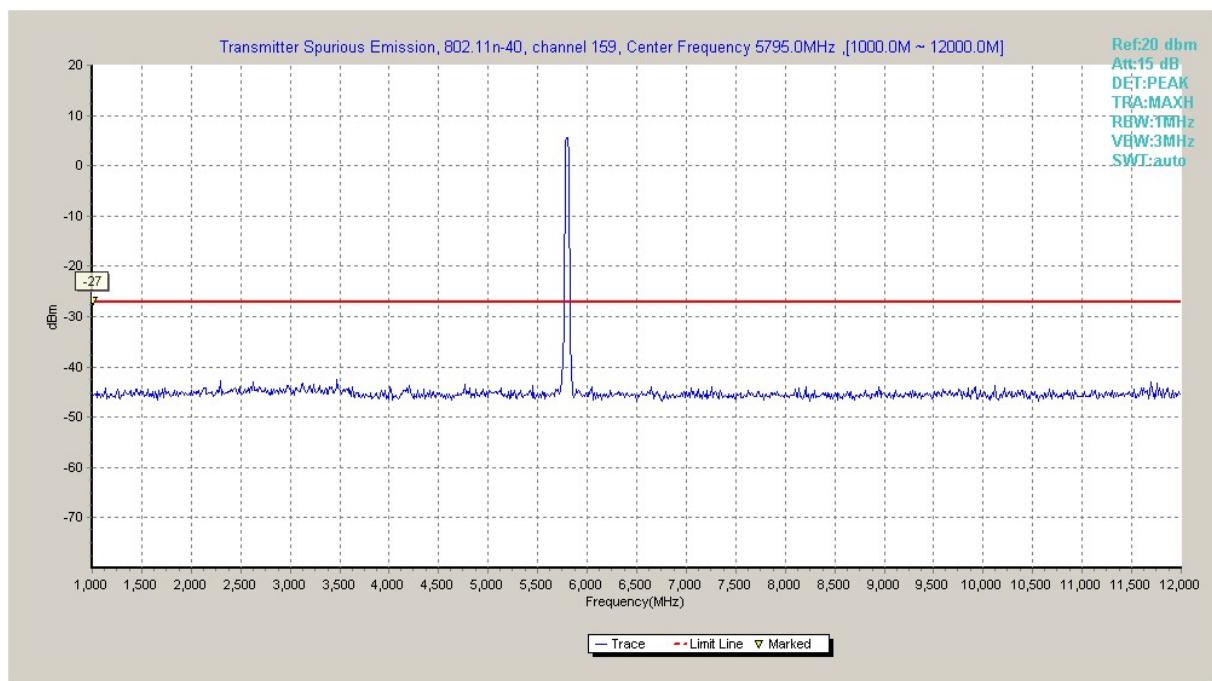
**Fig. 53 Conducted Spurious Emission (802.11n-HT40, Ch151, 12 GHz-25 GHz)**



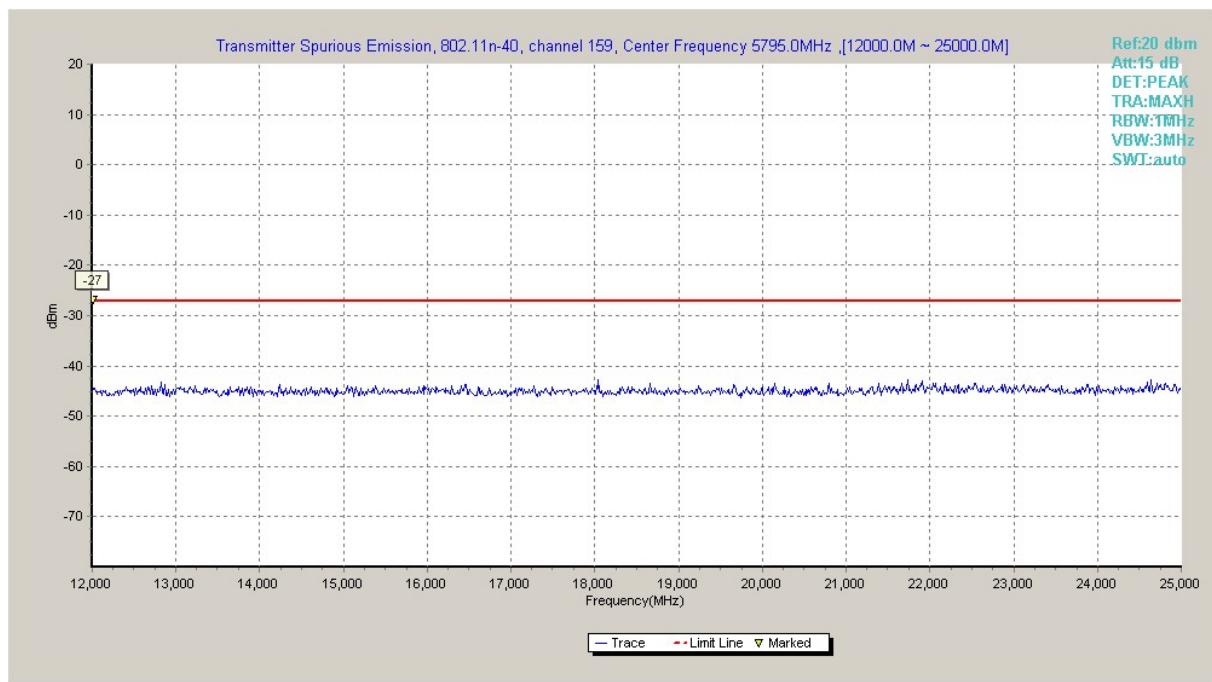
**Fig. 54 Conducted Spurious Emission (802.11n-HT40, Ch151, 25 GHz-40 GHz)**



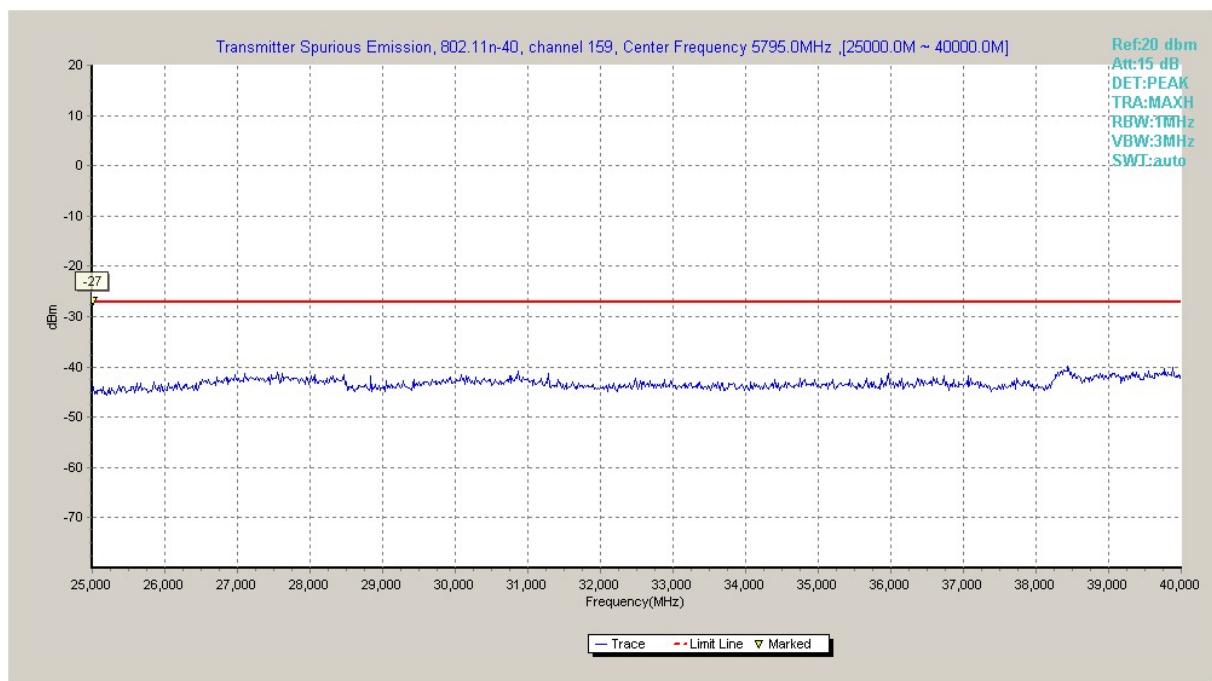
**Fig. 55 Conducted Spurious Emission (802.11n-HT40, Ch159, 30 MHz-1 GHz)**



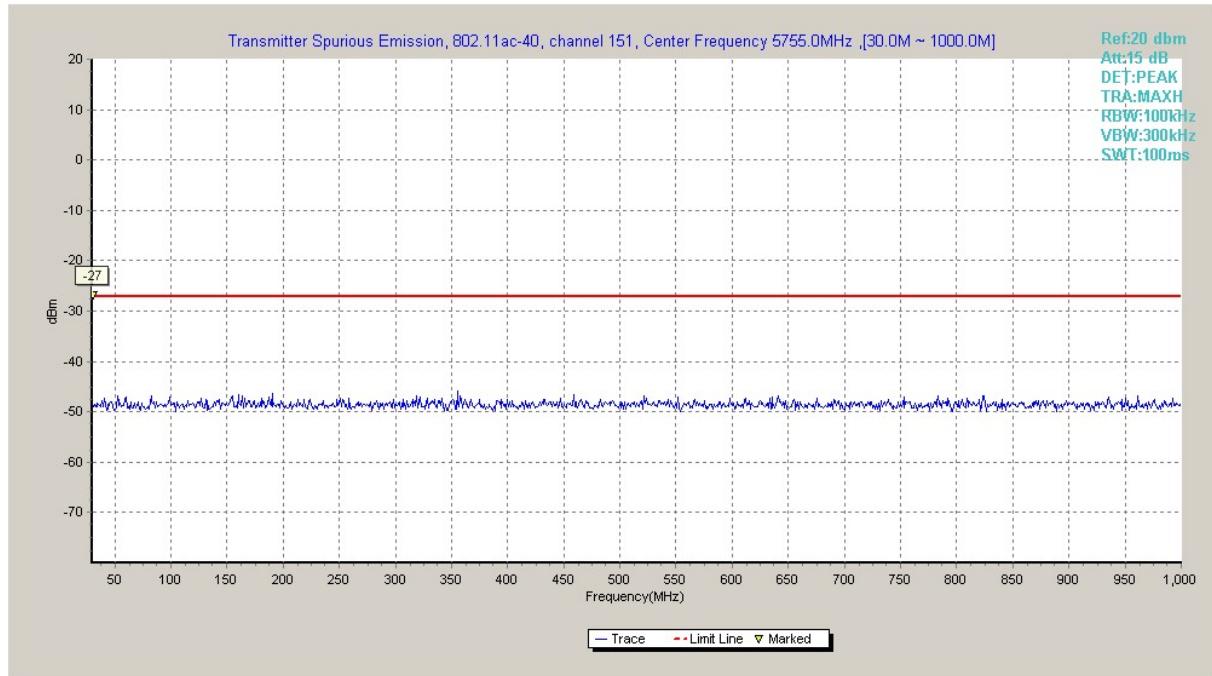
**Fig. 56 Conducted Spurious Emission (802.11n-HT40, Ch159, 1 GHz -12 GHz)**



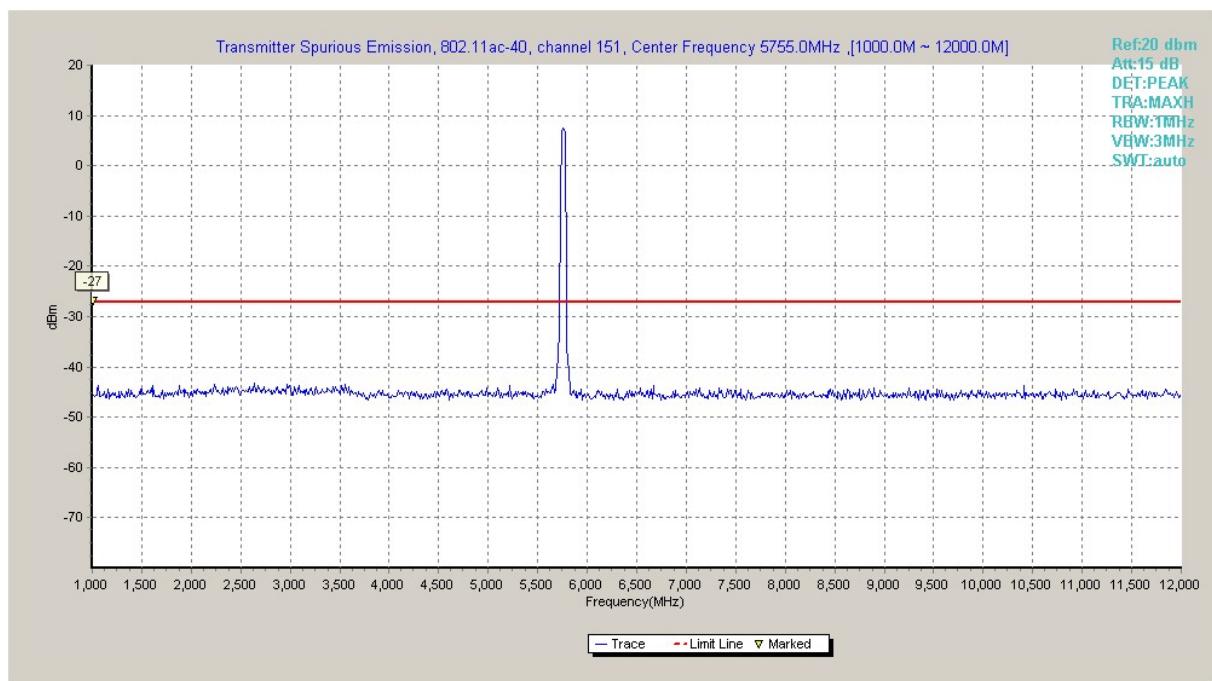
**Fig. 57 Conducted Spurious Emission (802.11n-HT40, Ch159, 12 GHz-25 GHz)**



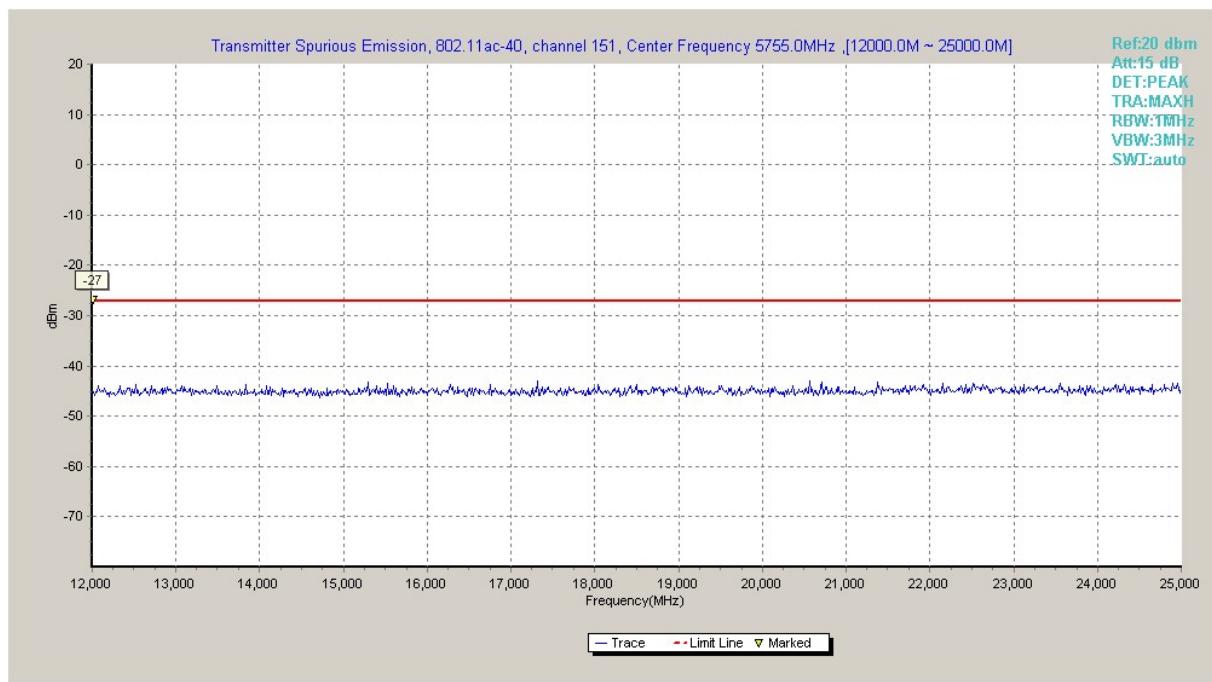
**Fig. 58 Conducted Spurious Emission (802.11n-HT40, Ch159, 25 GHz-40 GHz)**



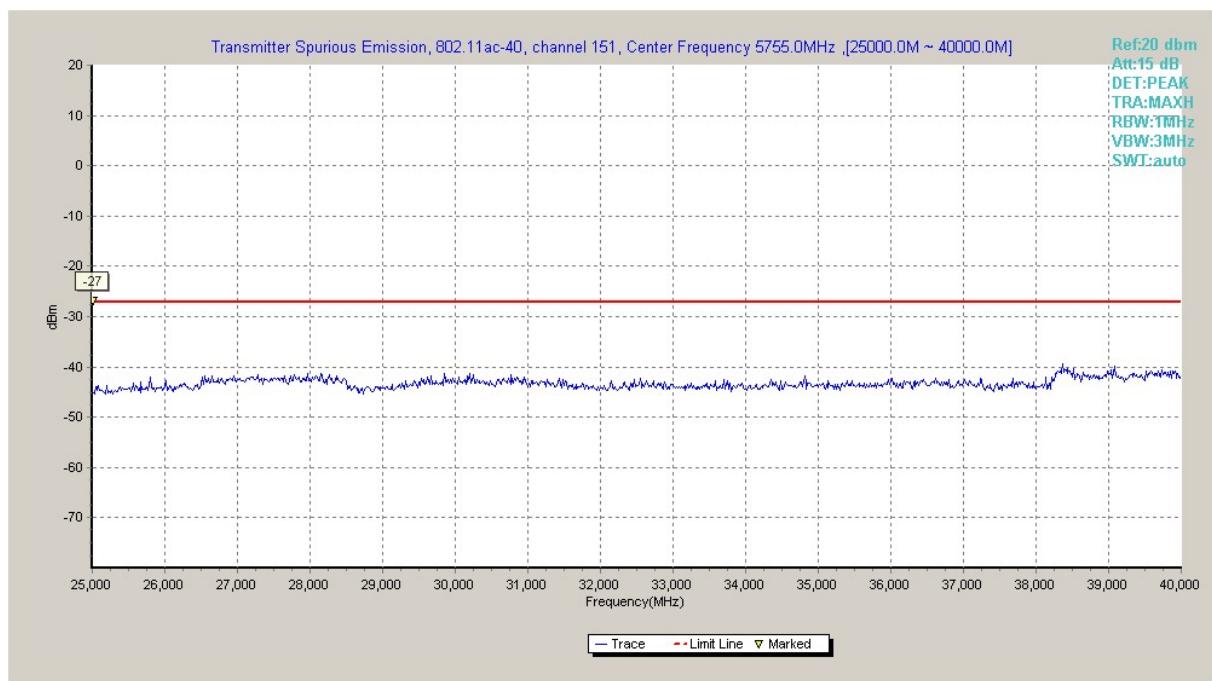
**Fig. 59 Conducted Spurious Emission (802.11ac-HT40, Ch151, 30 MHz-1 GHz)**



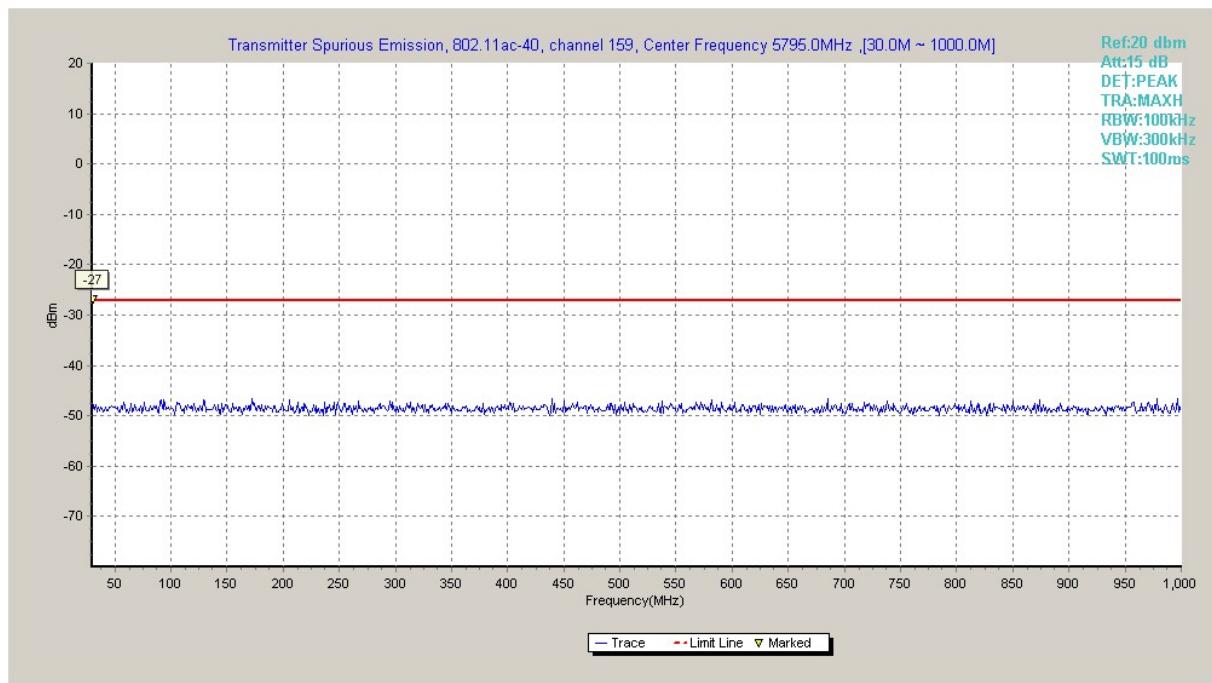
**Fig. 60 Conducted Spurious Emission (802.11ac-HT40, Ch151, 1 GHz -12 GHz)**



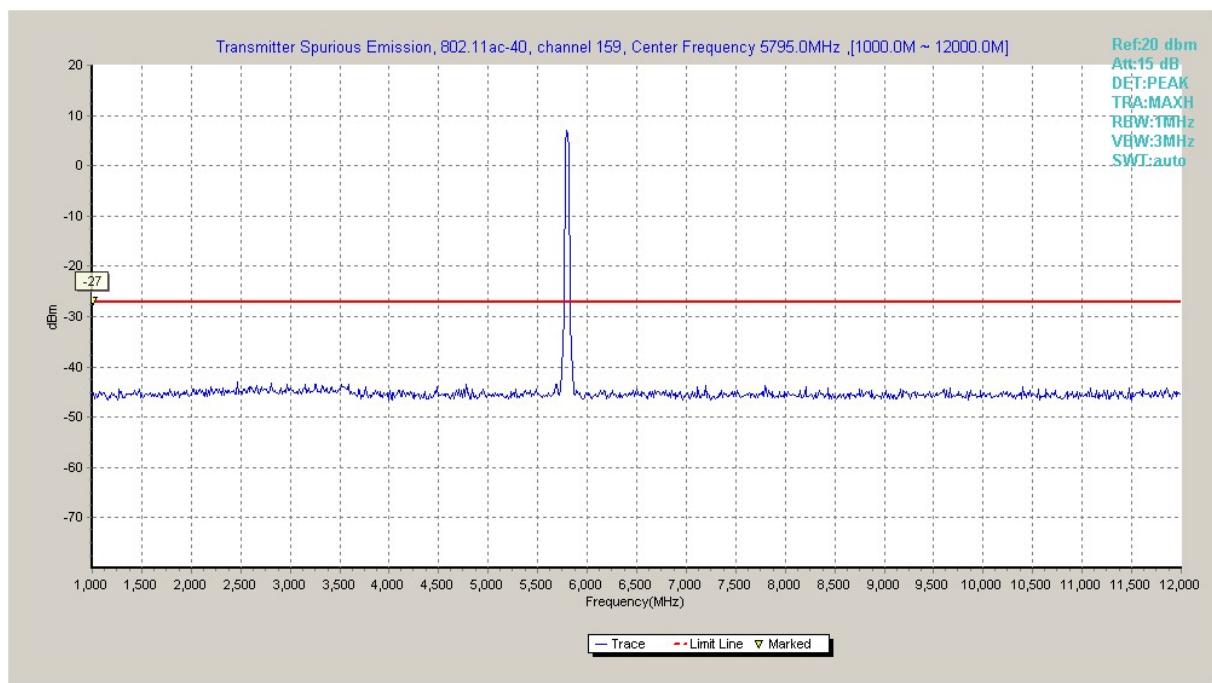
**Fig. 61 Conducted Spurious Emission (802.11ac-HT40, Ch151, 12 GHz-25 GHz)**



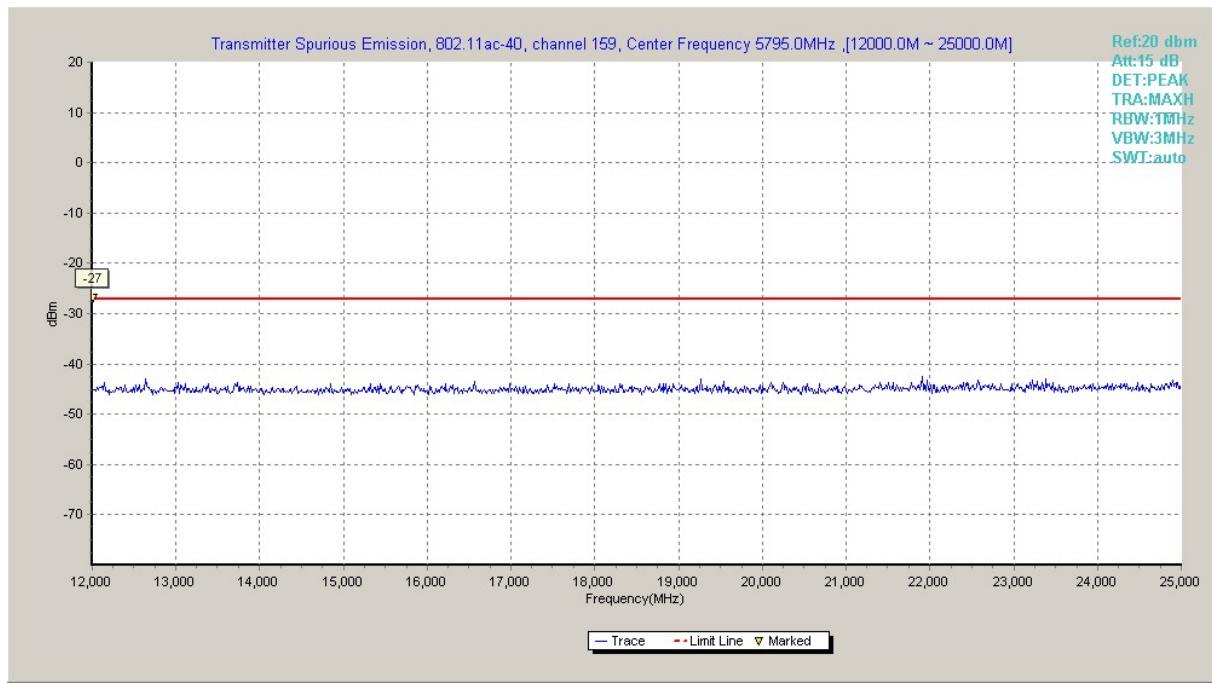
**Fig. 62 Conducted Spurious Emission (802.11ac-HT40, Ch151, 25 GHz-40 GHz)**



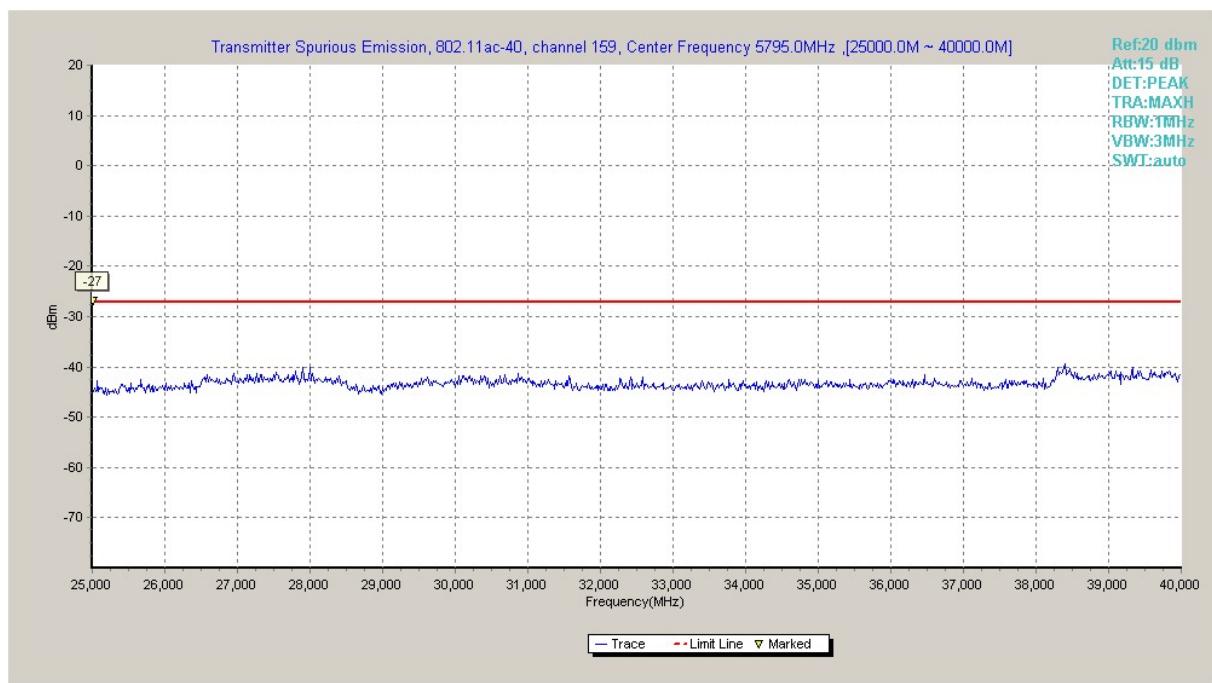
**Fig. 63 Conducted Spurious Emission (802.11ac-HT40, Ch159, 30 MHz-1 GHz)**



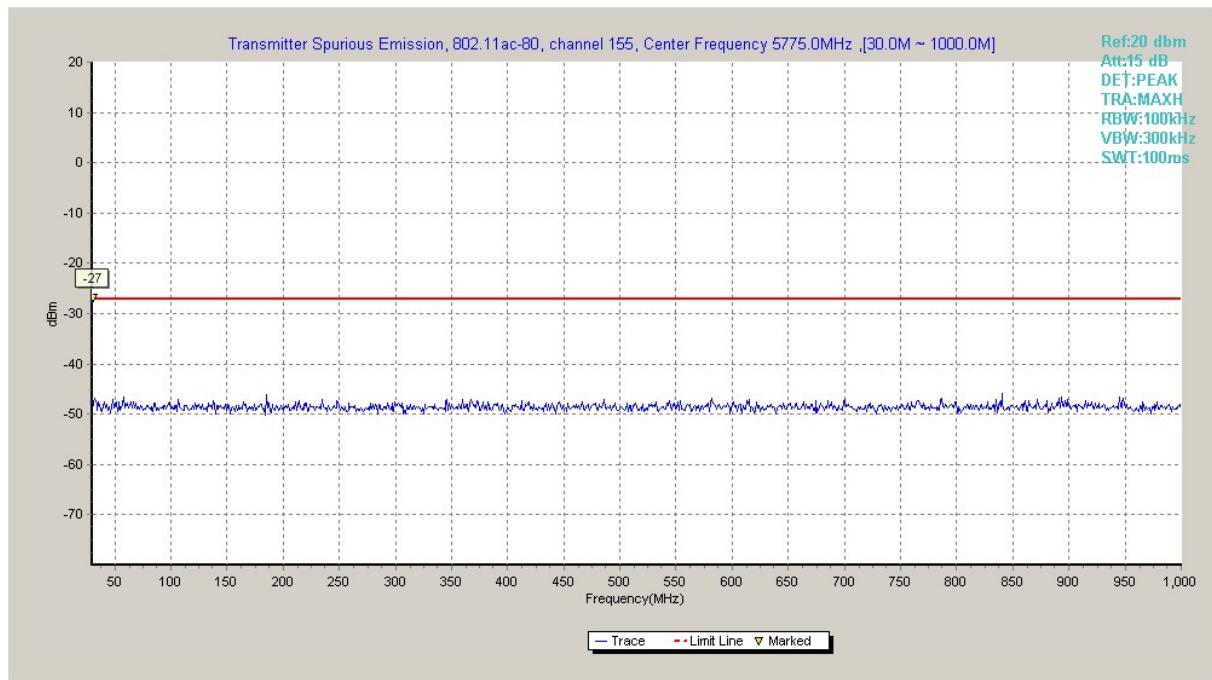
**Fig. 64 Conducted Spurious Emission (802.11ac-HT40, Ch159, 1 GHz -12 GHz)**



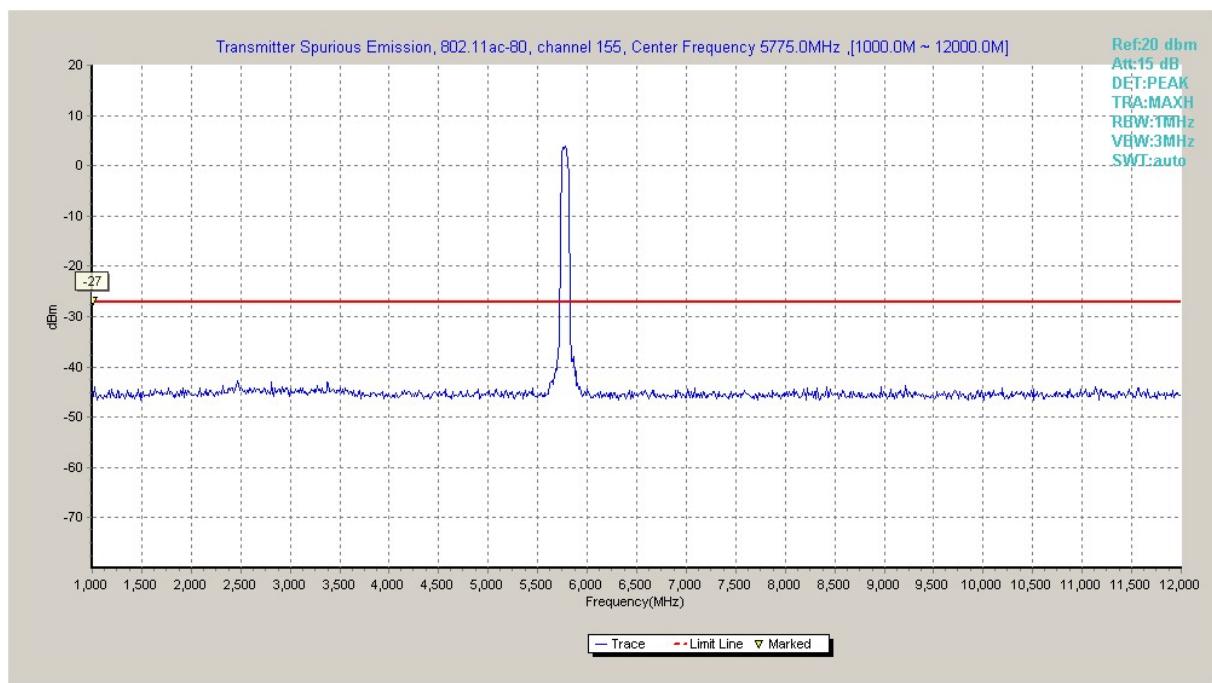
**Fig. 65 Conducted Spurious Emission (802.11ac-HT40, Ch159, 12 GHz-25 GHz)**



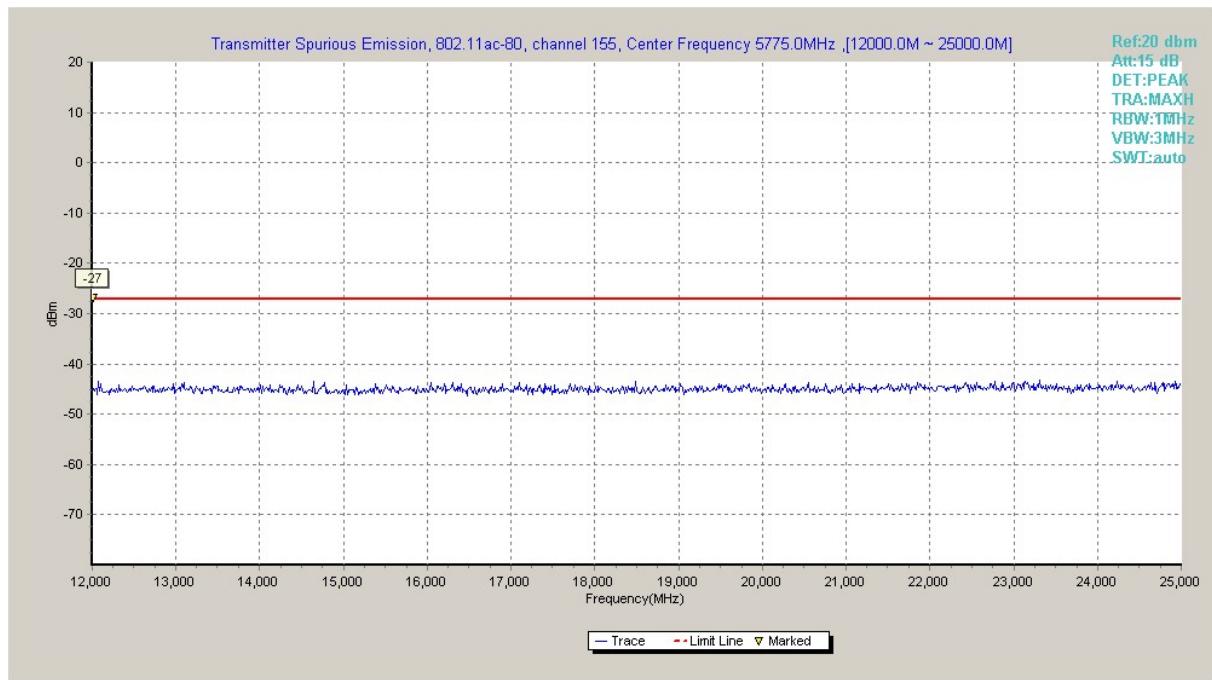
**Fig. 66 Conducted Spurious Emission (802.11ac-HT40, Ch159, 25 GHz-40 GHz)**



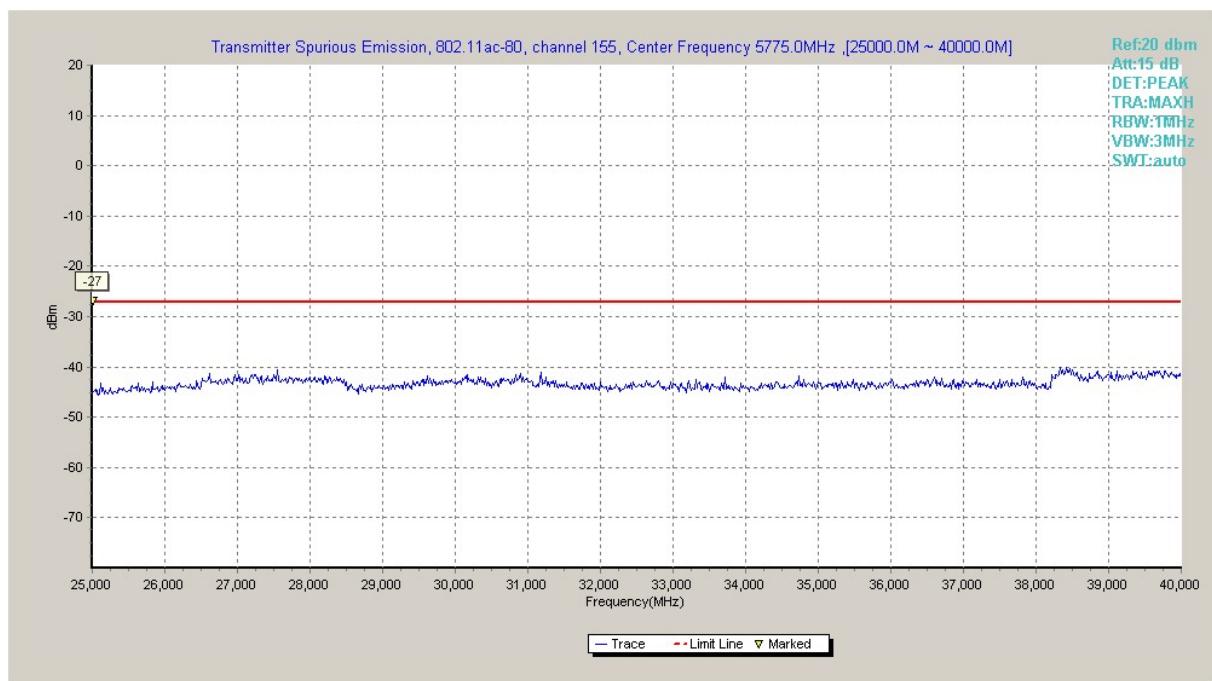
**Fig. 67 Conducted Spurious Emission (802.11ac-HT80, Ch155, 30 MHz-1 GHz)**



**Fig. 68 Conducted Spurious Emission (802.11ac-HT80, Ch155, 1 GHz -12 GHz)**



**Fig. 69 Conducted Spurious Emission (802.11ac-HT80, Ch155, 12 GHz-25 GHz)**



**Fig. 70 Conducted Spurious Emission (802.11ac-HT80, Ch155, 25 GHz-40 GHz)**

**A.5.2 Transmitter Spurious Emission - Radiated****Measurement Uncertainty:**

Frequency Range	Uncertainty(dB)
$f \leq 1\text{GHz}$	4.86
$f > 1\text{GHz}$	5.28

**Measurement Results:****Conclusion: PASS****Note:**

A "reference path loss" is established and the  $A_{RPL}$  is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

$P_{Mea}$  is the field strength recorded from the instrument.

**Average**
**802.11a**

Ch149

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5723.760	48.8	-33.8	35.1	47.500	H
17909.600	45.2	-18.5	45.6	18.100	H
17910.000	45.0	-18.5	45.6	17.900	H
17917.200	44.9	-17.7	45.6	17.000	H
17915.600	44.9	-17.7	45.6	17.000	H
17926.400	44.9	-17.7	45.6	17.000	H

Ch157

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17903.600	45.0	-18.5	45.6	17.9	H
17922.400	44.9	-17.7	45.6	17.0	H
17914.000	44.8	-18.5	45.6	17.7	H
17916.000	44.8	-17.7	45.6	16.9	H
17914.800	44.8	-17.7	45.6	16.9	H
17902.400	44.8	-18.5	45.6	17.7	H

Ch165

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5854.496	49.6	-33.8	35.1	48.3	H
11650.800	47.8	-22.7	39.6	30.9	V
11650.000	47.5	-22.7	39.6	30.6	V
11647.200	47.3	-22.7	39.6	30.4	V
11651.600	47.3	-22.7	39.6	30.4	V
11651.200	47.2	-22.7	39.6	30.3	V

**802.11n-HT20**

Ch149

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5717.648	48.6	-33.8	35.1	47.3	H
17915.600	44.9	-17.7	45.6	17.0	H
17914.400	44.8	-17.7	45.6	16.9	H
17909.600	44.7	-18.5	45.6	17.6	H
17903.600	44.7	-18.5	45.6	17.6	H
17923.200	44.7	-17.7	45.6	16.8	H

Ch157

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17900.400	44.9	-18.5	45.6	17.8	H
17903.200	44.8	-18.5	45.6	17.7	H
17919.600	44.8	-17.7	45.6	16.9	H
17906.000	44.8	-18.5	45.6	17.7	H
17916.400	44.7	-17.7	45.6	16.8	H
17906.400	44.7	-18.5	45.6	17.6	H

Ch165

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5850.552	49.2	-33.8	35.1	47.9	H
11650.800	46.9	-22.7	39.6	30.0	H
11651.600	46.7	-22.7	39.6	29.8	H
11650.000	46.7	-22.7	39.6	29.8	H
11650.400	46.5	-22.7	39.6	29.6	H
11648.800	46.3	-22.7	39.6	29.4	H

**802.11n-HT40**

Ch151

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5723.240	48.9	-33.8	35.1	47.6	H
17909.600	45.1	-18.5	45.6	18.0	H
17915.600	45.1	-17.7	45.6	17.2	H
17895.600	44.9	-18.5	45.6	17.8	H
17906.800	44.9	-18.5	45.6	17.8	H
17902.000	44.8	-18.5	45.6	17.7	H

Ch159

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5852.808	49.4	-33.8	35.1	48.1	H
17906.400	45.0	-18.5	45.6	17.9	H
17918.400	44.9	-17.7	45.6	17.0	H
17911.600	44.9	-18.5	45.6	17.8	H
17915.600	44.8	-17.7	45.6	16.9	H
17900.000	44.7	-18.5	45.6	17.6	H

**802.11ac-HT20**

Ch149

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5721.552	48.7	-33.8	35.1	47.4	H
17910.800	44.9	-18.5	45.6	17.8	H
17913.600	44.9	-18.5	45.6	17.8	H
17908.000	44.9	-18.5	45.6	17.8	H
17909.600	44.9	-18.5	45.6	17.8	H
17909.200	44.8	-18.5	45.6	17.7	H

Ch157

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17917.200	44.9	-17.7	45.6	17.0	H
17912.800	44.9	-18.5	45.6	17.8	H
11571.600	44.9	-22.7	39.6	28.0	V
17903.600	44.8	-18.5	45.6	17.7	H
17920.400	44.8	-17.7	45.6	16.9	H
17912.400	44.8	-18.5	45.6	17.7	H

Ch165

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5850.904	49.4	-33.8	35.1	48.1	H
11650.400	45.6	-22.7	39.6	28.7	H
11648.800	45.5	-22.7	39.6	28.6	H
11651.600	45.2	-22.7	39.6	28.3	H
11649.200	45.2	-22.7	39.6	28.3	H
11651.200	45.1	-22.7	39.6	28.2	H

**802.11ac-HT40**

Ch151

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5723.664	48.5	-33.8	35.1	47.2	H
17892.800	45.1	-18.5	45.6	18.0	H
17909.600	44.8	-18.5	45.6	17.7	H
17908.000	44.8	-18.5	45.6	17.7	H
17912.000	44.8	-18.5	45.6	17.7	H
17897.200	44.7	-18.5	45.6	17.6	H

Ch159

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5850.816	49.2	-33.8	35.1	47.9	H
17913.600	44.9	-18.5	45.6	17.8	H
17910.000	44.8	-18.5	45.6	17.7	H
17902.800	44.8	-18.5	45.6	17.7	H
17906.800	44.8	-18.5	45.6	17.7	H
17901.600	44.8	-18.5	45.6	17.7	H

**802.11ac-HT80**

Ch155

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17923.600	45.2	-17.7	45.6	17.3	H
17912.800	45.1	-18.5	45.6	18.0	H
17914.400	45.0	-17.7	45.6	17.1	V
17920.800	45.0	-17.7	45.6	17.1	H
17918.800	44.9	-17.7	45.6	17.0	H
17914.800	44.9	-17.7	45.6	17.0	H

**Peak**
**802.11a**

Ch149

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5723.725	60.9	-33.8	35.1	59.600	H
17896.800	57.0	-18.5	45.6	29.900	H
17892.800	56.8	-18.5	45.6	29.700	H
17879.600	56.6	-18.5	45.6	29.500	H
17875.200	56.5	-18.5	45.6	29.400	H
17903.200	56.4	-18.5	45.6	29.300	H

Ch157

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17933.200	57.0	-17.7	45.6	29.1	H
11572.000	56.7	-22.7	39.6	39.8	V
11572.800	56.7	-22.7	39.6	39.8	V
17894.000	56.6	-18.5	45.6	29.5	H
17919.600	56.6	-17.7	45.6	28.7	H
11567.600	56.6	-22.7	39.6	39.7	H

Ch165

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5854.224	63.3	-33.8	35.1	62.0	H
11648.800	60.4	-22.7	39.6	43.5	V
11655.600	59.9	-22.7	39.6	43.0	V
11647.600	59.9	-22.7	39.6	43.0	V
11652.400	59.8	-22.7	39.6	42.9	V
11649.200	59.7	-22.7	39.6	42.8	V

**802.11n-HT20**

Ch149

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5718.928	61.3	-33.8	35.1	60.0	H
17913.600	56.9	-18.5	45.6	29.8	H
17935.200	56.6	-17.7	45.6	28.7	H
17922.400	56.5	-17.7	45.6	28.6	H
17914.000	56.4	-18.5	45.6	29.3	H
17909.600	56.4	-18.5	45.6	29.3	H

Ch157

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
11569.200	57.1	-22.7	39.6	40.2	H
17937.200	56.6	-17.7	45.6	28.7	H
17818.800	56.5	-18.5	45.6	29.4	H
17957.600	56.4	-17.7	45.6	28.5	H
17840.000	56.4	-18.5	45.6	29.3	H
17918.000	56.4	-17.7	45.6	28.5	H

Ch165

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5851.000	61.1	-33.8	35.1	59.8	H
11654.800	59.1	-22.7	39.6	42.2	H
11647.600	58.6	-22.7	39.6	41.7	H
11650.000	58.5	-22.7	39.6	41.6	H
11646.000	58.4	-22.7	39.6	41.5	H
11648.800	58.4	-22.7	39.6	41.5	H

**802.11n-HT40**

Ch151

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5719.344	61.7	-33.8	35.1	60.4	H
17918.800	57.7	-17.7	45.6	29.8	H
17910.400	57.4	-18.5	45.6	30.3	H
17894.000	57.2	-18.5	45.6	30.1	H
17932.400	56.7	-17.7	45.6	28.8	H
17802.400	56.5	-18.5	45.6	29.4	H

Ch159

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5853.184	62.0	-33.8	35.1	60.7	H
17929.200	56.7	-17.7	45.6	28.8	H
17917.600	56.5	-17.7	45.6	28.6	H
17945.600	56.4	-17.7	45.6	28.5	H
17930.800	56.2	-17.7	45.6	28.3	H
17944.800	56.2	-17.7	45.6	28.3	H

**802.11ac-HT20**

Ch149

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5721.880	61.5	-33.8	35.1	60.2	H
17994.000	57.2	-17.7	45.6	29.3	H
17740.400	56.5	-18.5	45.6	29.4	H
17904.400	56.5	-18.5	45.6	29.4	H
17906.800	56.5	-18.5	45.6	29.4	H
17920.000	56.5	-17.7	45.6	28.6	H

Ch157

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
11571.200	58.9	-22.7	39.6	42.0	H
11568.000	57.1	-22.7	39.6	40.2	H
17907.200	56.9	-18.5	45.6	29.8	H
17912.000	56.9	-18.5	45.6	29.8	H
11571.600	56.9	-22.7	39.6	40.0	H
17918.800	56.9	-17.7	45.6	29.0	H

Ch165

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5855.936	63.0	-33.8	35.1	61.7	H
11651.600	59.7	-22.7	39.6	42.8	H
11649.200	58.0	-22.7	39.6	41.1	H
11647.600	57.5	-22.7	39.6	40.6	H
11650.800	57.1	-22.7	39.6	40.2	H
17910.400	57.0	-18.5	45.6	29.9	H

**802.11ac-HT40**

Ch151

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5720.320	61.6	-33.8	35.1	60.3	H
17976.000	57.0	-17.7	45.6	29.1	H
17842.000	56.9	-18.5	45.6	29.8	H
17902.000	56.7	-18.5	45.6	29.6	H
17945.200	56.4	-17.7	45.6	28.5	H
17912.000	56.4	-18.5	45.6	29.3	H

Ch159

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
5850.776	62.2	-33.8	35.1	60.9	H
17904.800	57.1	-18.5	45.6	30.0	H
17986.400	56.8	-17.7	45.6	28.9	H
17916.000	56.7	-17.7	45.6	28.8	H
17908.400	56.5	-18.5	45.6	29.4	H
17903.200	56.4	-18.5	45.6	29.3	H

**802.11ac-HT80**

Ch155

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
17921.600	58.1	-17.7	45.6	30.2	H
17934.800	57.0	-17.7	45.6	29.1	H
17945.200	56.9	-17.7	45.6	29.0	V
17926.400	56.8	-17.7	45.6	28.9	H
17886.000	56.7	-18.5	45.6	29.6	H
17930.000	56.6	-17.7	45.6	28.7	H

Sample calculation: 802.11ac 80MHz CH155–Peak, 17921.600MHz

Peak ERP(dBm) = P<sub>Mea</sub>(30.2 dBuV/m) + Cable Loss(-17.7) + Antenna Factor(45.6) = 58.1 dBuV/m

## A.6. Band Edges Compliance

### A6.1 Band Edges - conducted

#### Measurement Limit:

Standard	Frequency (MHz)	Limit (dBm/MHz)
FCC 47 CFR Part 15.407 (b) (4)	5715MHz~5860MHz	< -17
	Below 5715MHz, Above 5860MHz	< -27

The measurement is made according to KDB 789033 D02

#### Measurement Uncertainty:

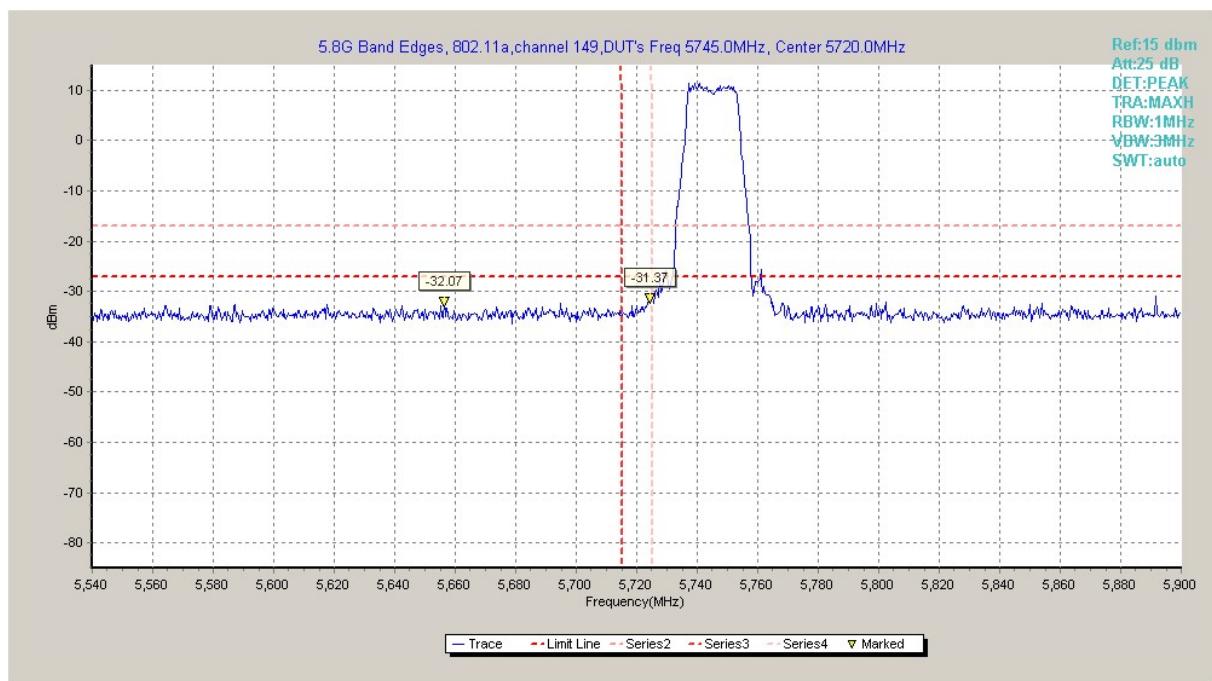
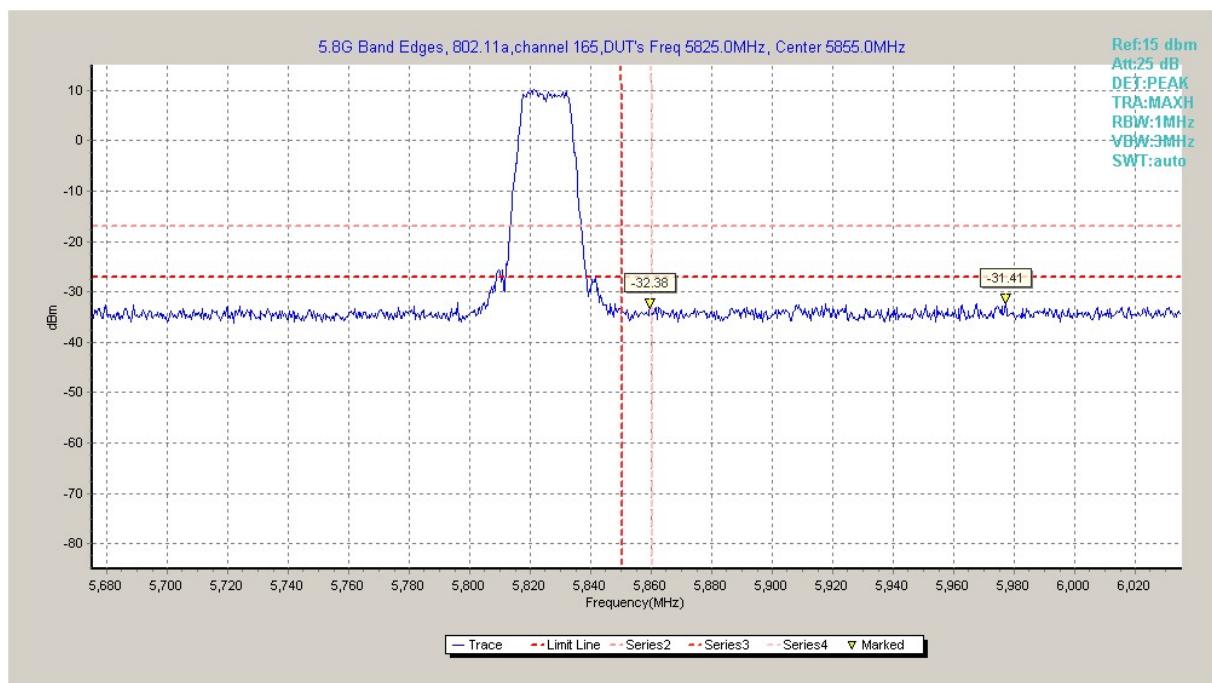
Measurement Uncertainty	0.75dB
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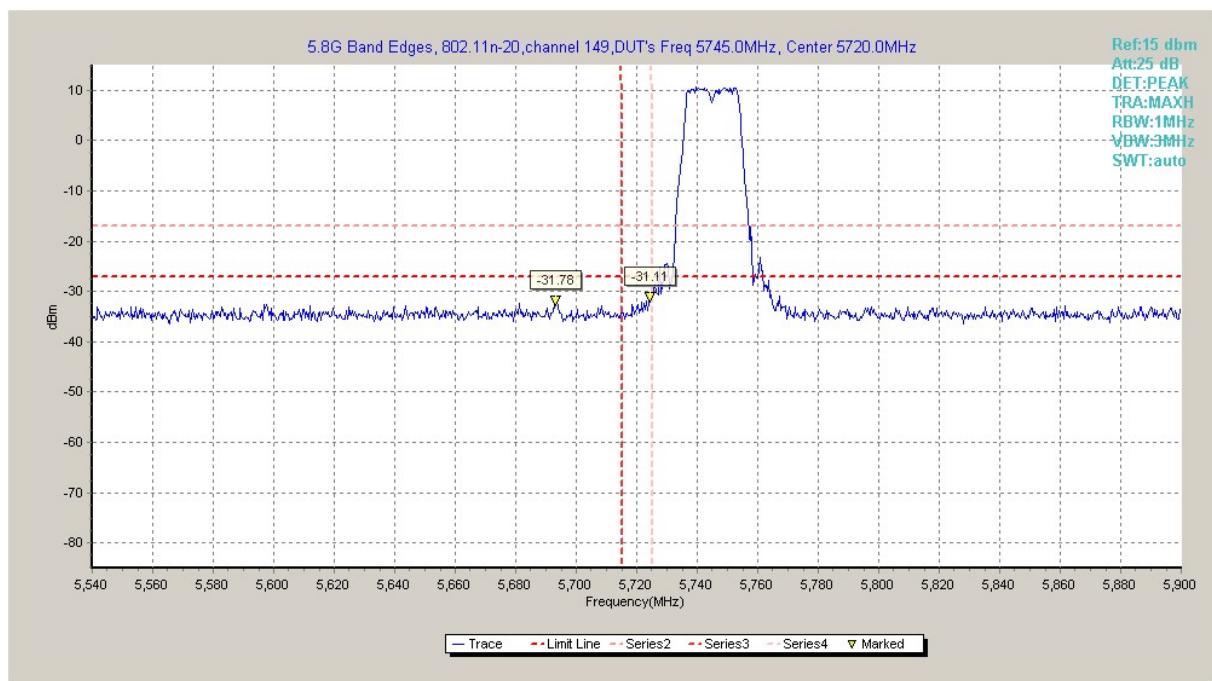
#### Measurement Result:

Mode	Channel	Test Results	Conclusion
802.11a	5745 MHz	Fig.71	P
	5825 MHz	Fig.72	P
802.11n HT20	5745 MHz	Fig.73	P
	5825 MHz	Fig.74	P
802.11ac HT20	5745 MHz	Fig.75	P
	5825 MHz	Fig.76	P
802.11n HT40	5755 MHz	Fig.77	P
	5795 MHz	Fig.78	P
802.11ac HT40	5755 MHz	Fig.79	P
	5795 MHz	Fig.80	P
802.11ac HT80	5775 MHz	Fig.81	P
	5775 MHz	Fig.82	P

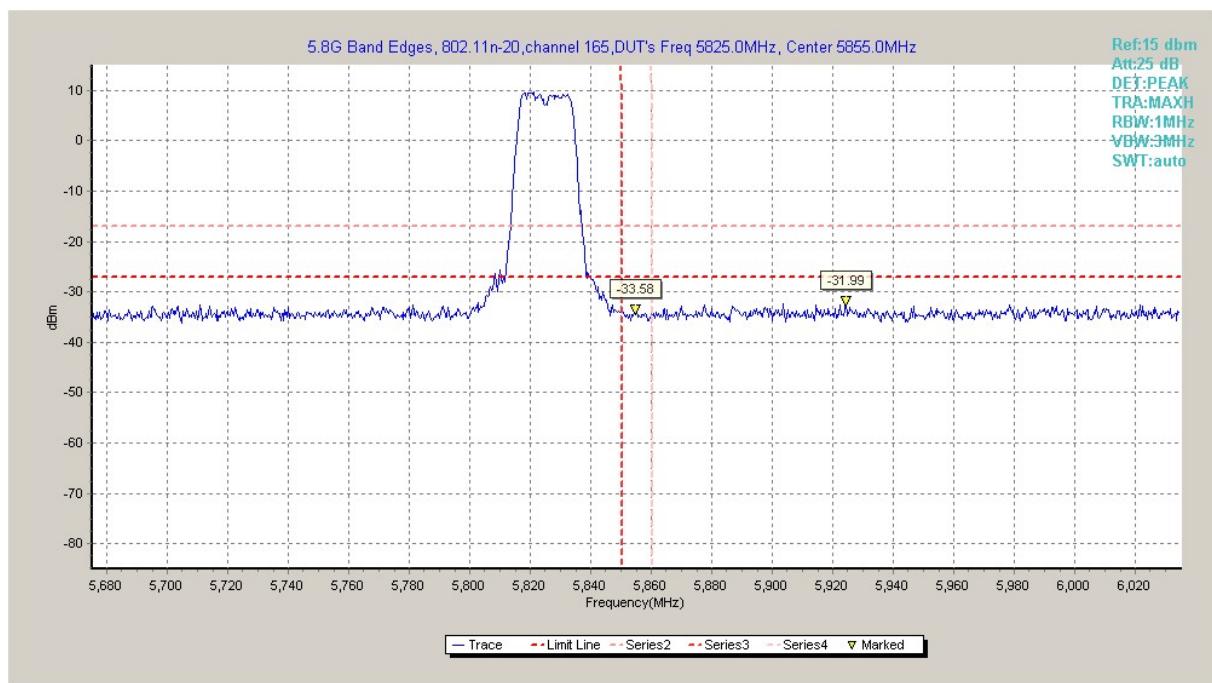
**Conclusion: PASS**

**Test graphs as below:**

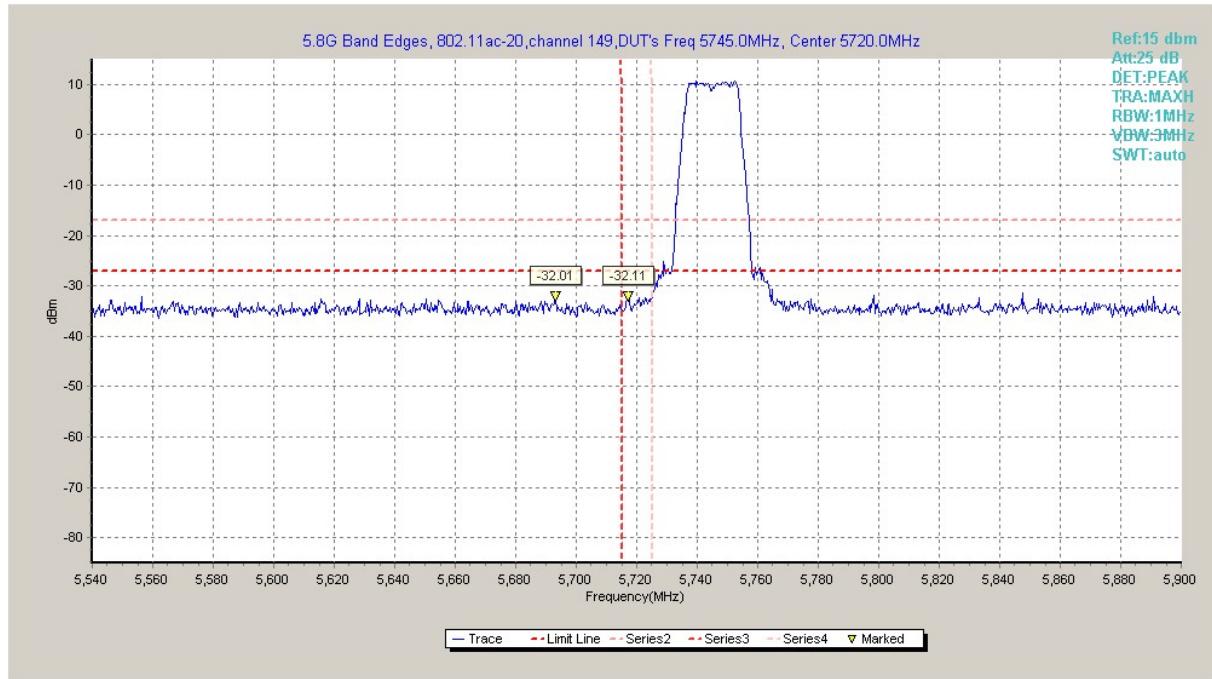

**Fig. 71 Band Edges (802.11a, 5745MHz)**

**Fig. 72 Band Edges (802.11a, 5825MHz)**



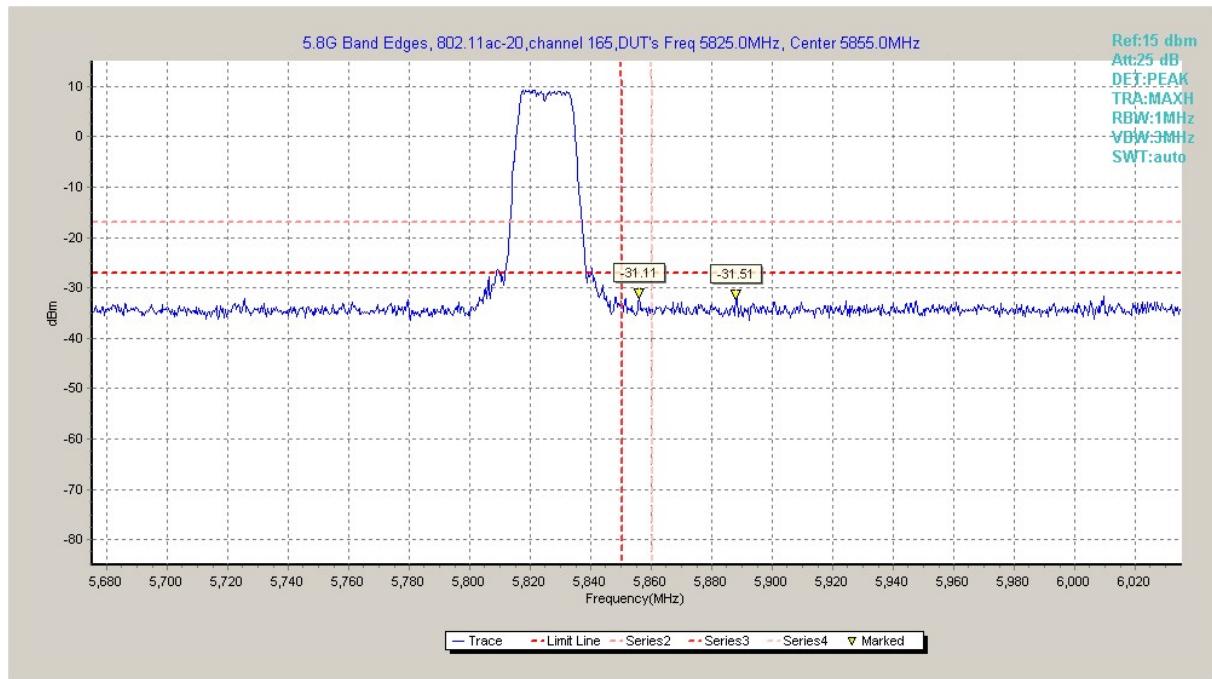
**Fig. 73 Band Edges (802.11n-HT20, 5745MHz)**



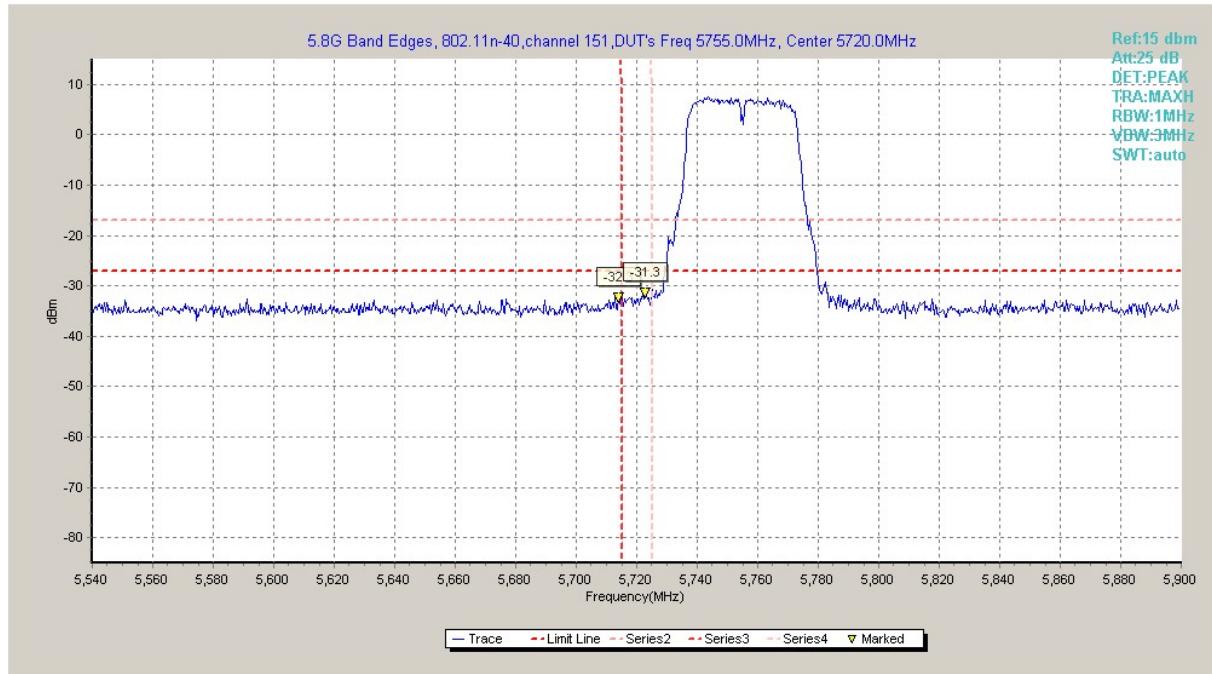
**Fig. 74 Band Edges (802.11n-HT20, 5825MHz)**



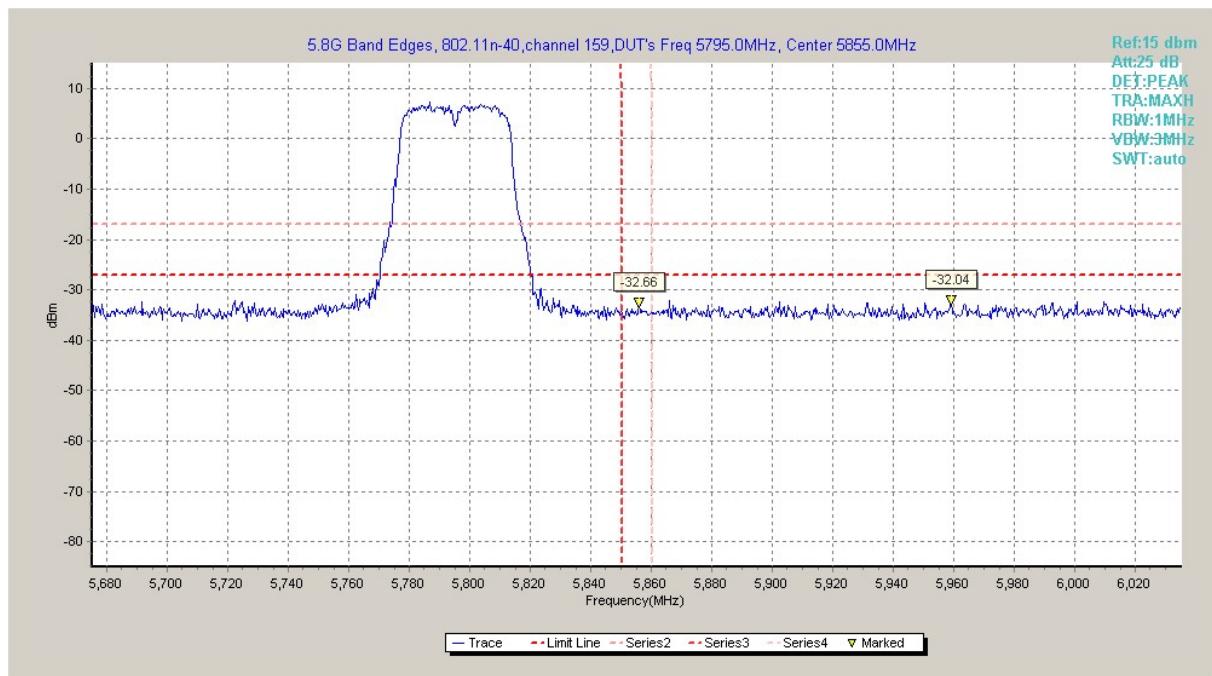
**Fig. 75 Band Edges (802.11ac-HT20, 5745MHz)**



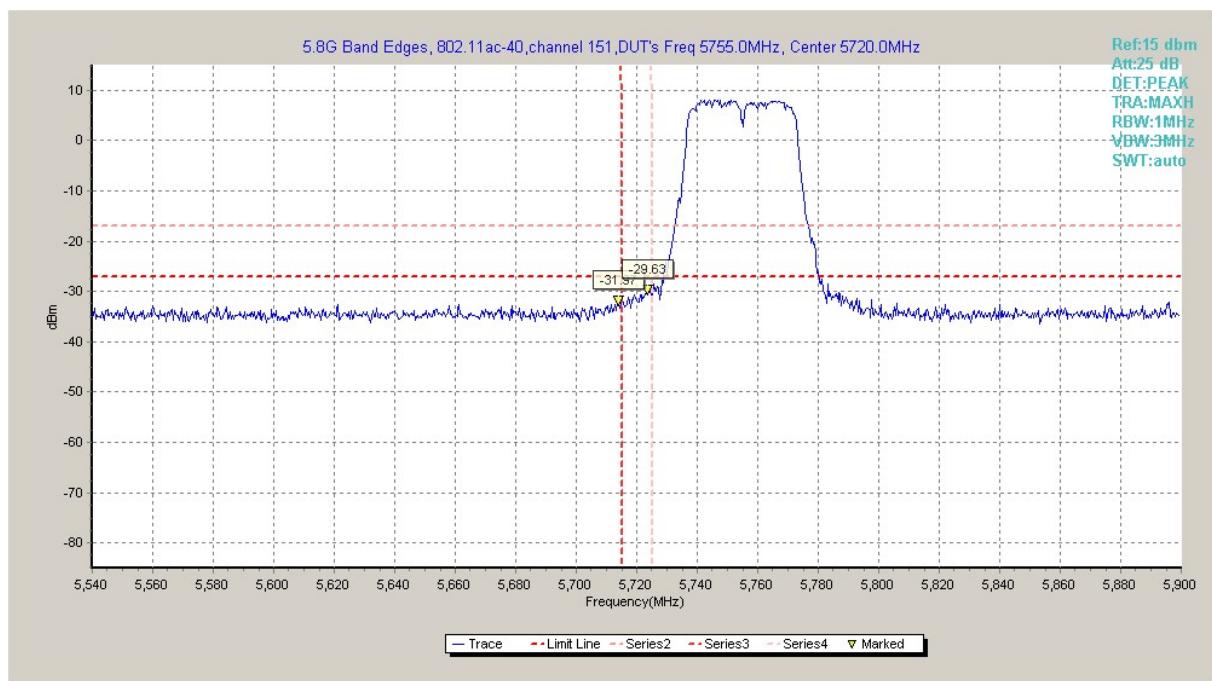
**Fig. 76 Band Edges (802.11ac-HT20, 5825MHz)**



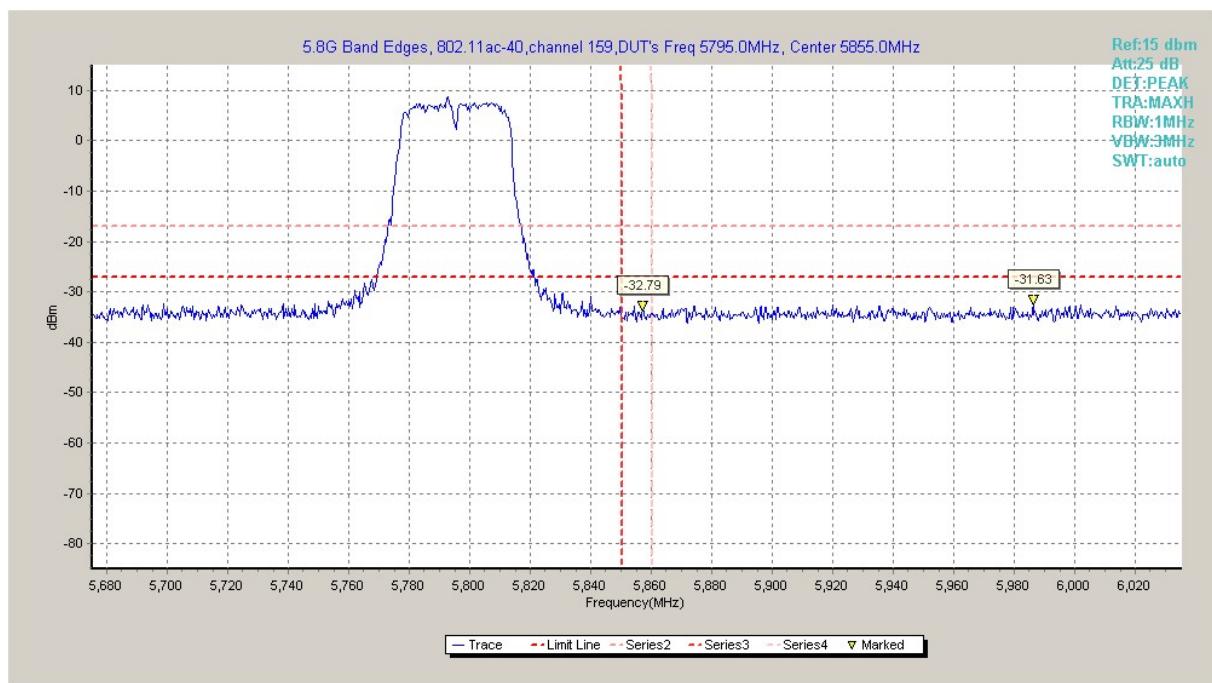
**Fig. 77 Band Edges (802.11n-HT40, 5755MHz)**



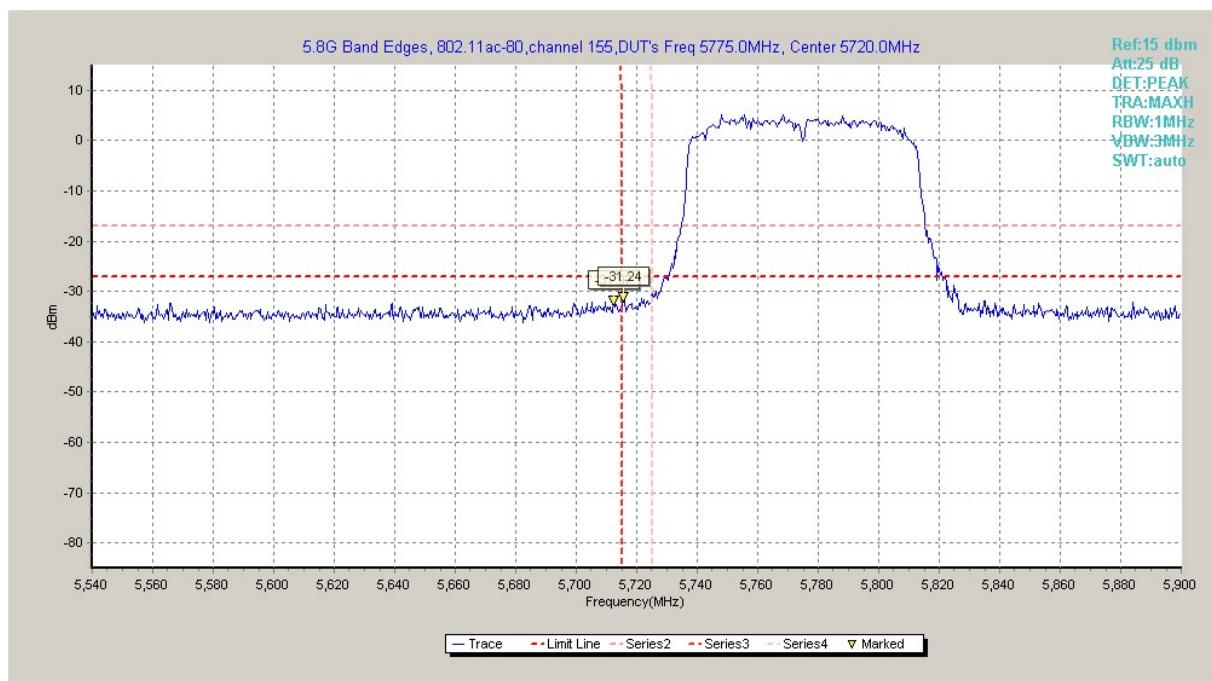
**Fig. 78 Band Edges (802.11n-HT40, 5795MHz)**



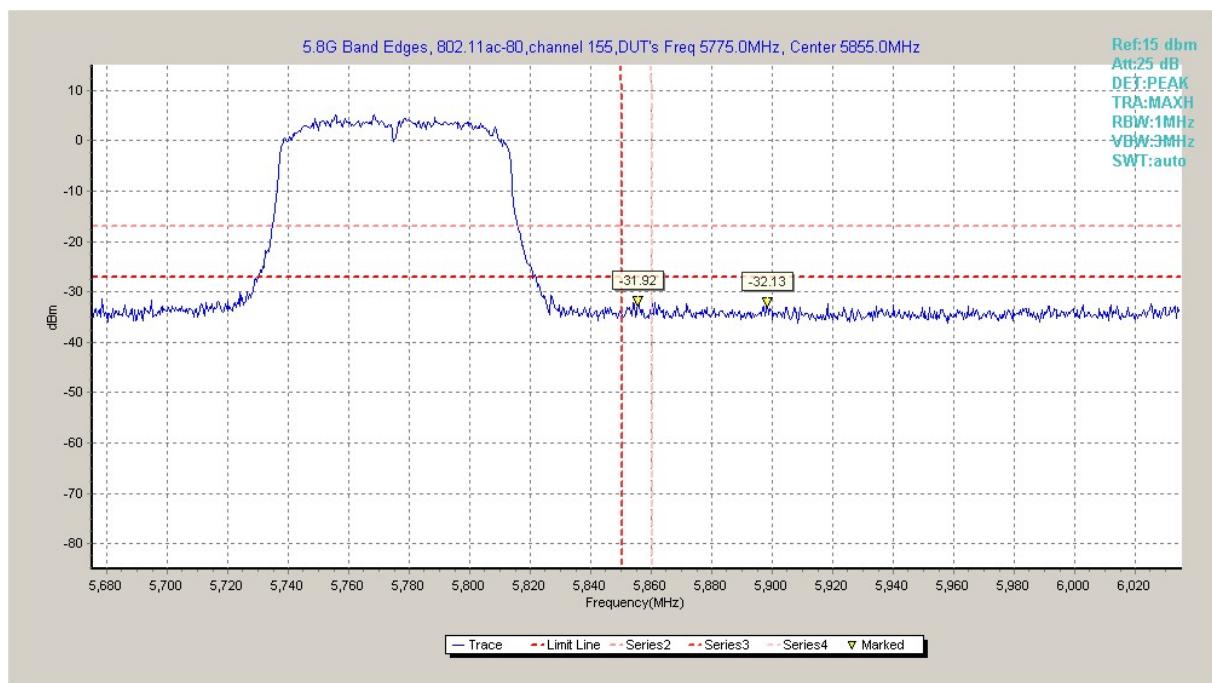
**Fig. 79 Band Edges (802.11ac-HT40, 5755MHz)**



**Fig. 80 Band Edges (802.11ac-HT40, 5795MHz)**



**Fig. 81 Band Edges (802.11ac-HT80, 5775MHz)**



**Fig. 82 Band Edges (802.11ac-HT80, 5775MHz)**

## A6.2 Band Edges - Radiated

### Measurement Limit:

Standard	Limit (dB $\mu$ V/m)	
	Peak	74
	Average	54

The measurement is made according to KDB 789033 D02

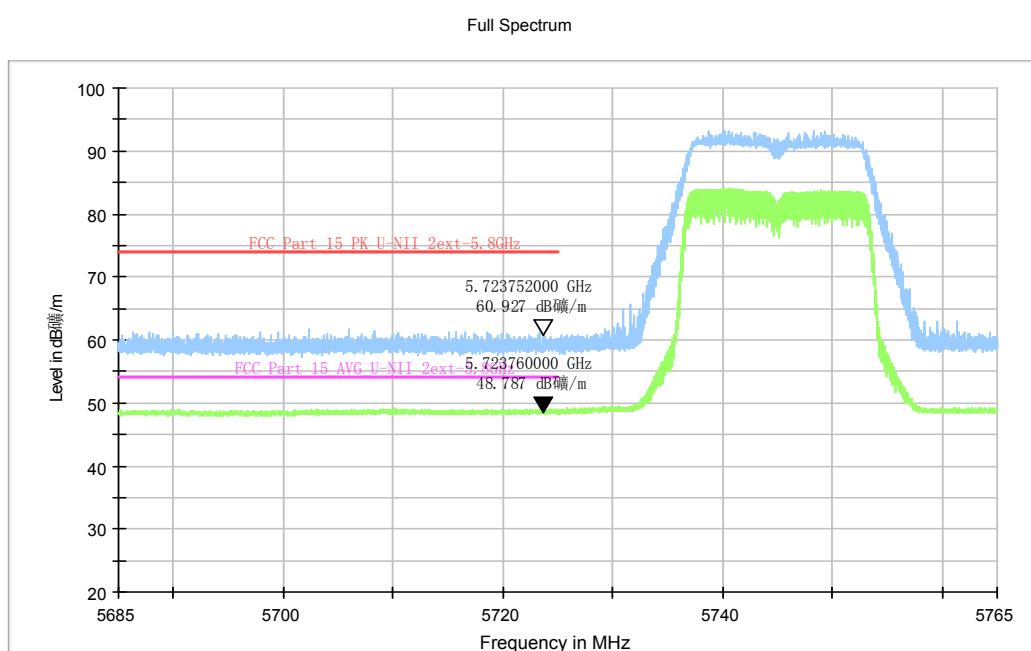
In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

### Measurement Result:

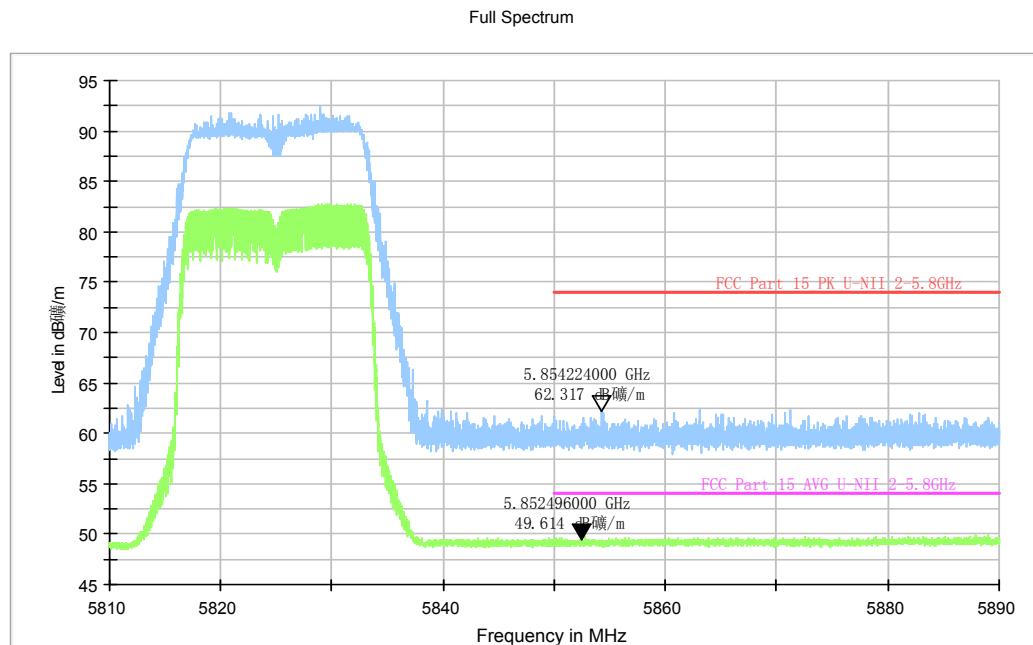
Mode	Channel	Test Results	Conclusion
802.11a	5745 MHz	Fig.83	P
	5825 MHz	Fig.84	P
802.11n HT20	5745 MHz	Fig.85	P
	5825 MHz	Fig.86	P
802.11n HT40	5755 MHz	Fig.87	P
	5795 MHz	Fig.88	P
802.11ac HT20	5745 MHz	Fig.89	P
	5825 MHz	Fig.90	P
802.11ac HT40	5755 MHz	Fig.91	P
	5795 MHz	Fig.92	P

**Conclusion: PASS**

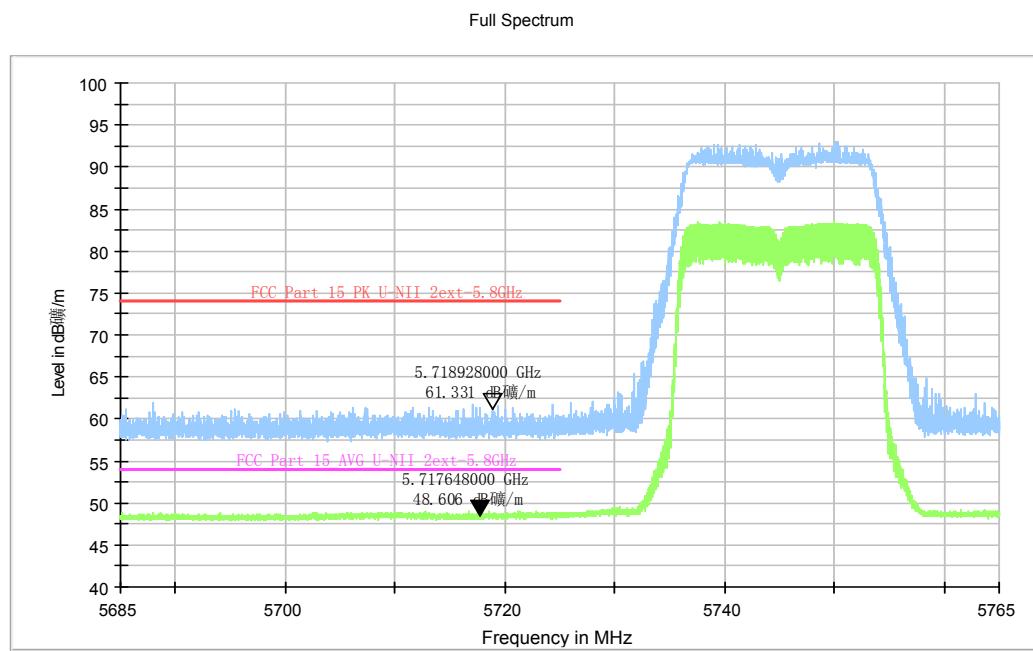
**Test graphs as below:**



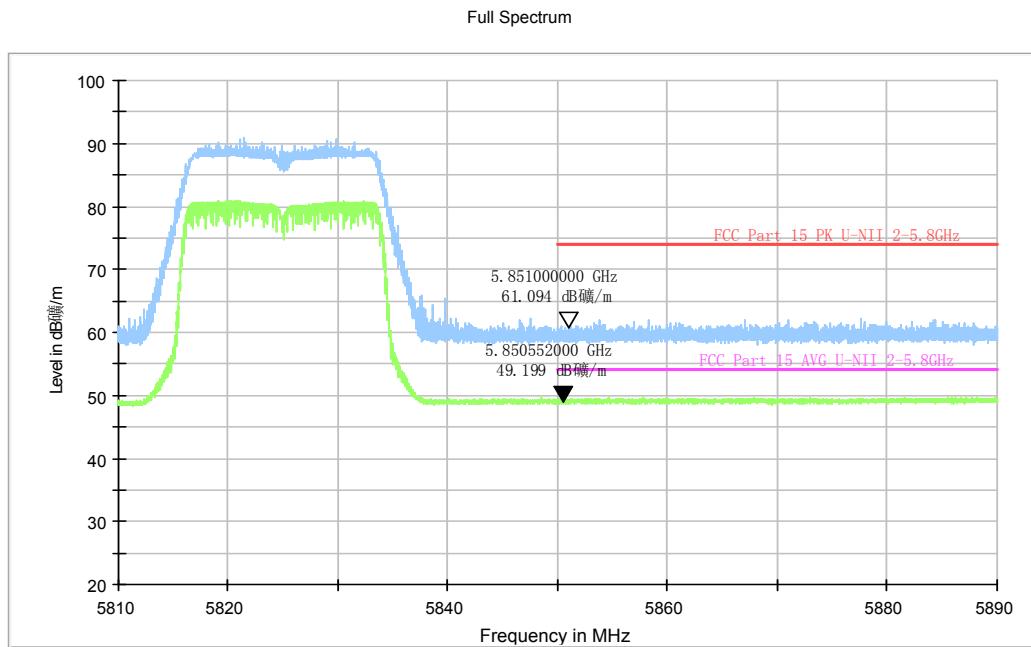
**Fig. 83 Band Edges (802.11a, 5745MHz)**



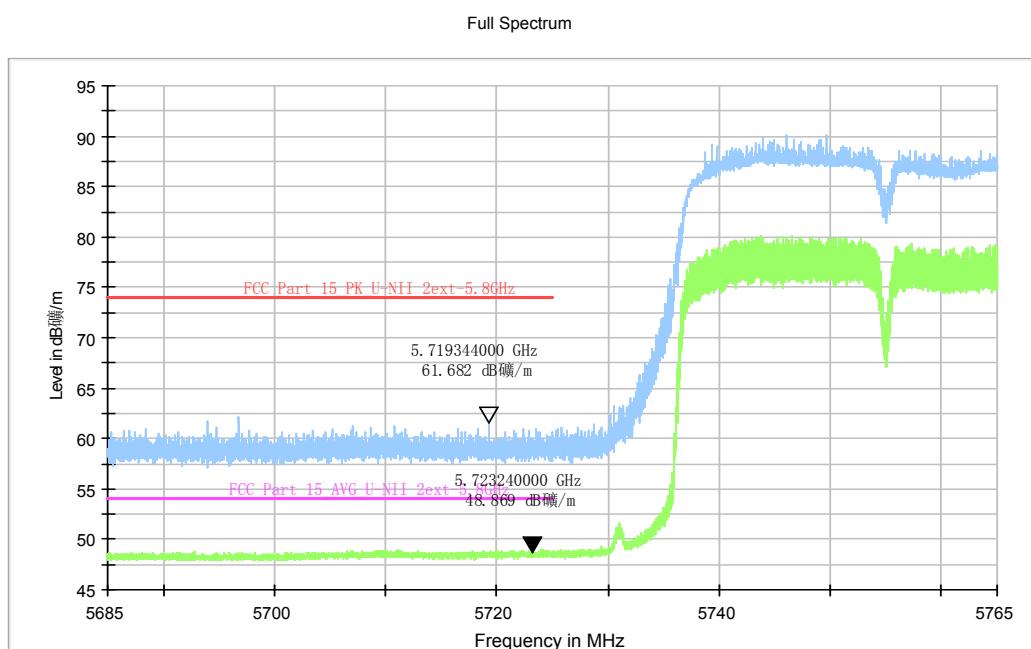
**Fig. 84 Band Edges (802.11a, 5825MHz)**



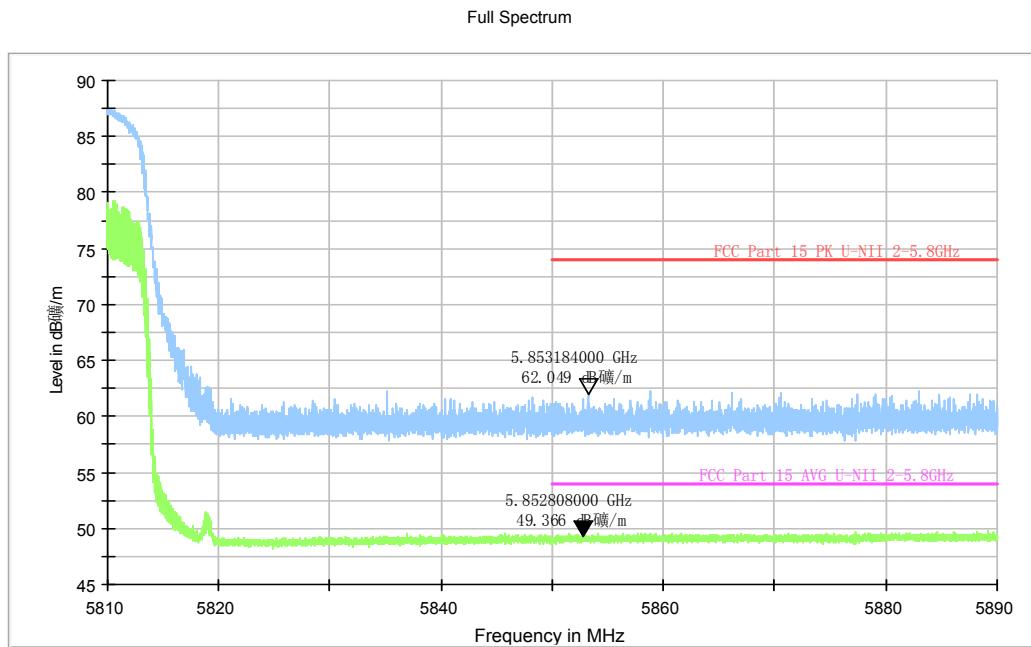
**Fig. 85 Band Edges (802.11n-HT20, 5745MHz)**



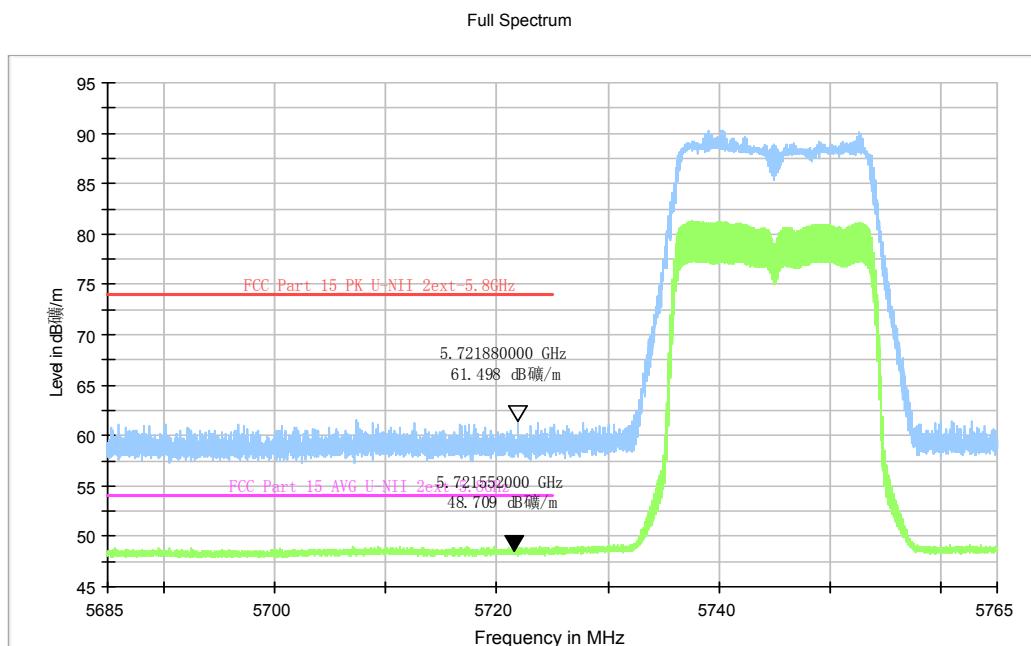
**Fig. 86 Band Edges (802.11n-HT20, 5825MHz)**



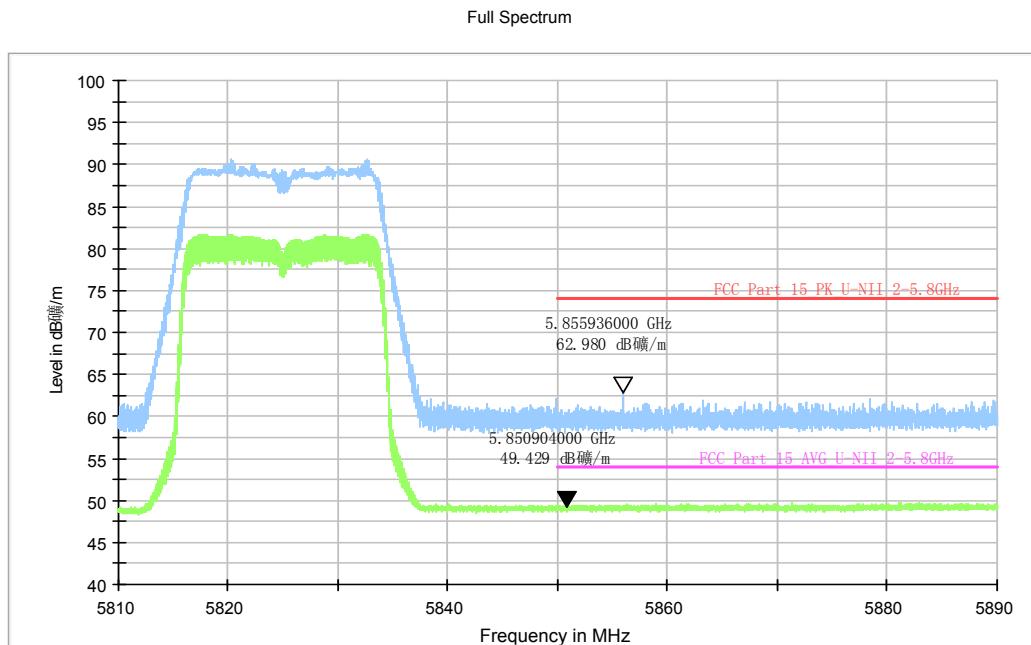
**Fig. 87 Band Edges (802.11n-HT40, 5755MHz)**



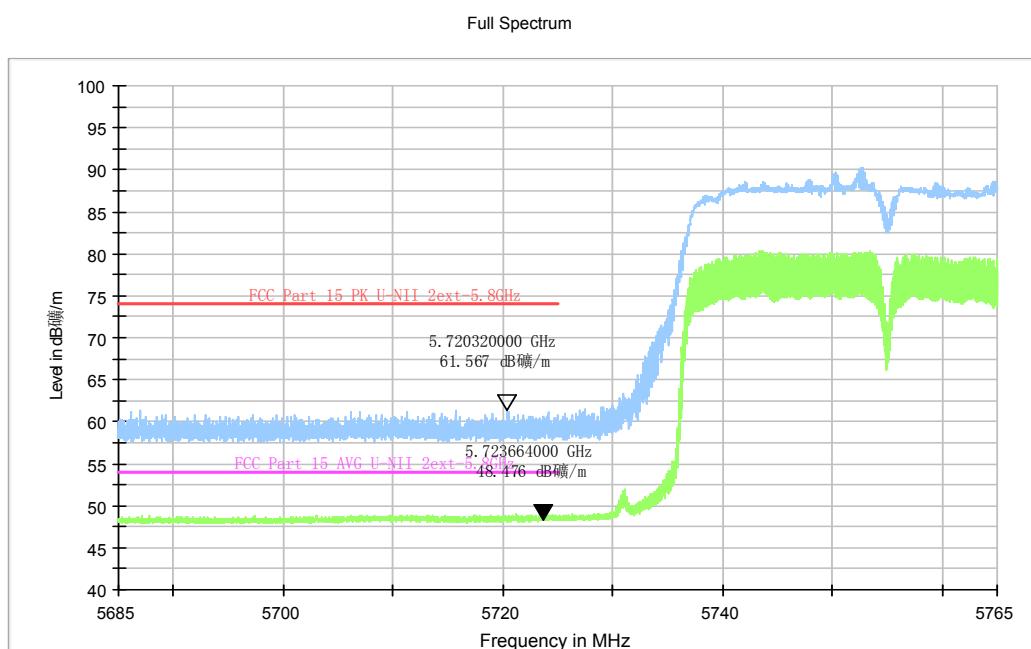
**Fig. 88 Band Edges (802.11n-HT40, 5795MHz)**



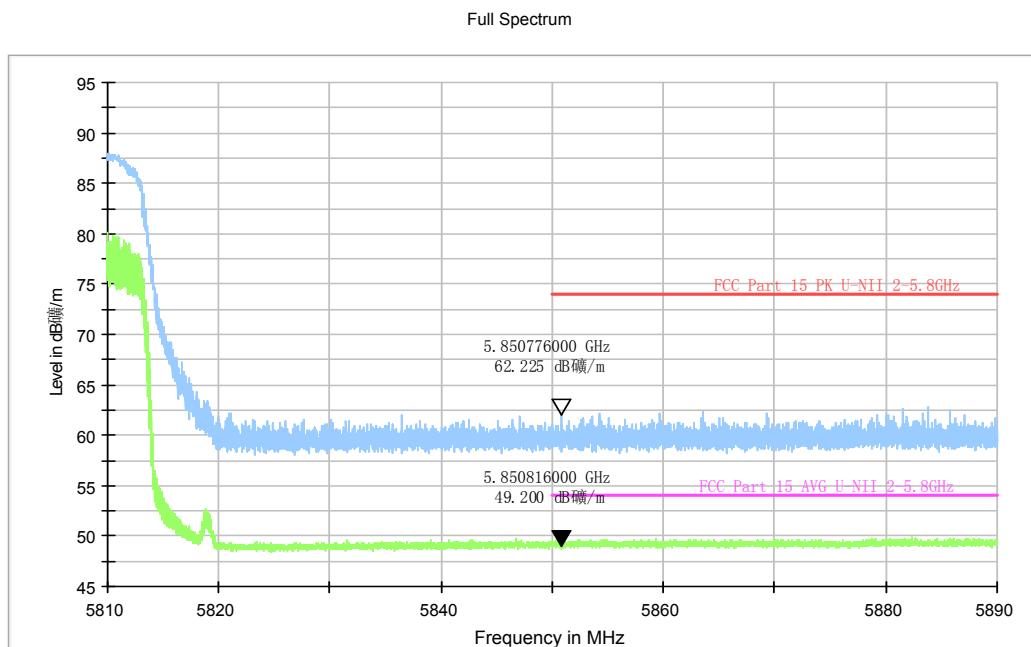
**Fig. 89 Band Edges (802.11ac-HT20, 5745MHz)**



**Fig. 90 Band Edges (802.11ac-HT20, 5825MHz)**



**Fig. 91 Band Edges (802.11ac-HT40, 5755MHz)**



**Fig. 92 Band Edges (802.11ac-HT40, 5795MHz)**

## A.7. AC Powerline Conducted Emission

### Test Condition:

Voltage (V)	Frequency (Hz)
110	60

### Measurement uncertainty:

Expanded measurement uncertainty for this test item is U = 3.38dB, k=2.

### Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion	
		With charger			
		802.11a	Idle		
0.15 to 0.5	66 to 56	Fig.62			
0.5 to 5	56	Fig.64	Fig.63	P	
5 to 30	60	Fig.65			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion	
		With charger			
		802.11a	Idle		
0.15 to 0.5	56 to 46	Fig.62			
0.5 to 5	46	Fig.64	Fig.63	P	
5 to 30	50	Fig.65			

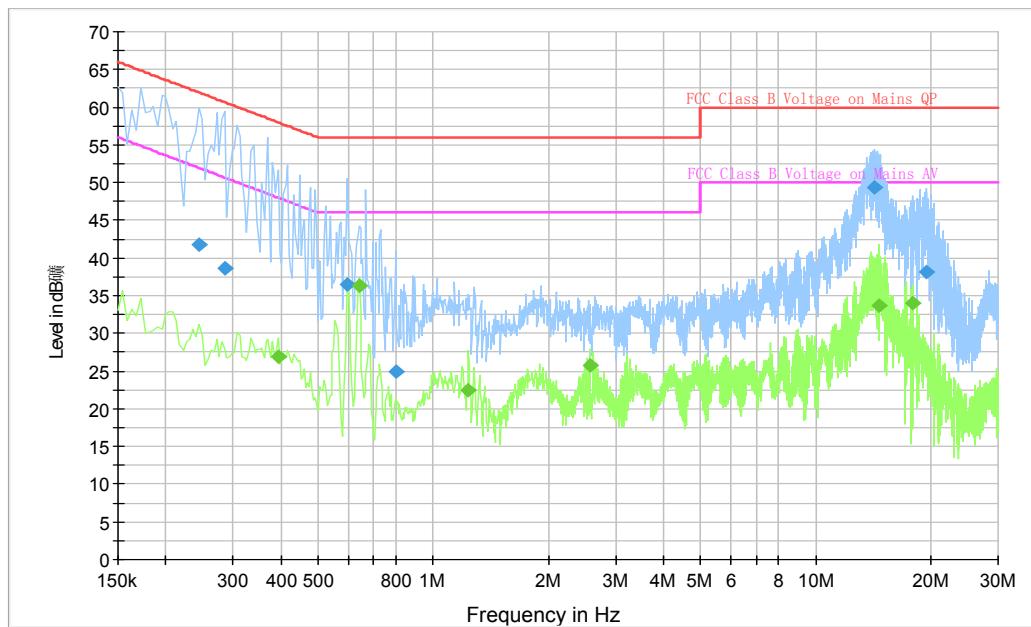
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

The measurement is made according to ANSI C63.10 .

**Conclusion: PASS**

**Test graphs as below:**

CBA0060AGHC1

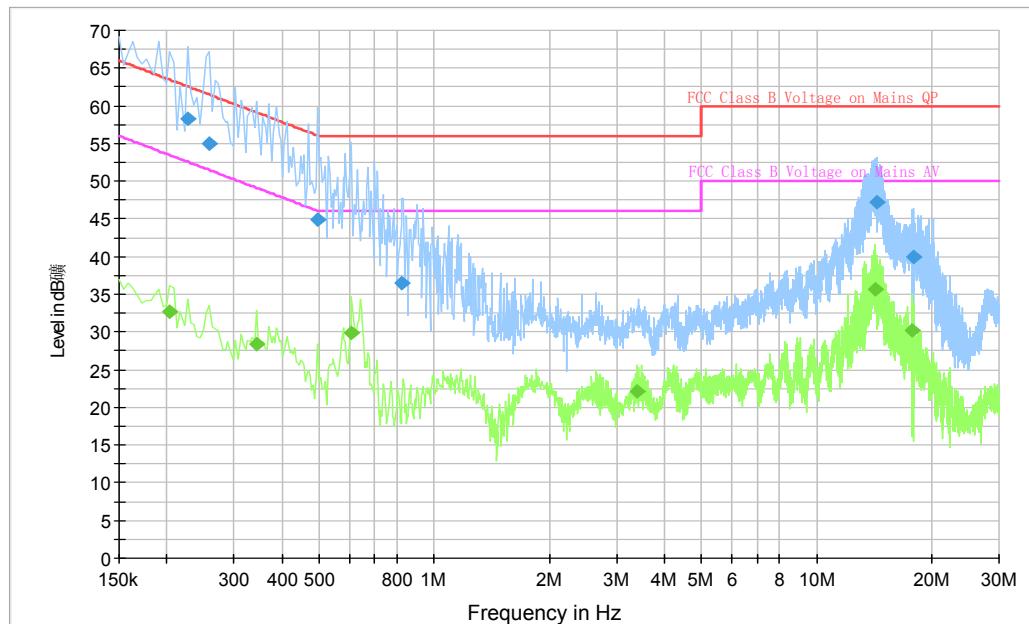

**Fig. 93 AC Powerline Conducted Emission-802.11a**
**Final Result 1**

Frequency (MHz)	QuasiPeak (dB $\mu$ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.244500	41.7	2000.0	9.000	On	L1	19.8	20.2	61.9
0.285000	38.7	2000.0	9.000	On	L1	19.8	22.0	60.7
0.595500	36.4	2000.0	9.000	On	L1	19.8	19.6	56.0
0.798000	24.9	2000.0	9.000	On	L1	19.8	31.1	56.0
14.239500	49.3	2000.0	9.000	On	N	19.8	10.7	60.0
19.441500	38.2	2000.0	9.000	On	N	19.9	21.8	60.0

**Final Result 2**

Frequency (MHz)	Average (dB $\mu$ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.393000	26.9	2000.0	9.000	On	L1	19.9	21.1	48.0
0.640500	36.4	2000.0	9.000	On	L1	19.8	9.6	46.0
1.234500	22.5	2000.0	9.000	On	L1	19.7	23.5	46.0
2.575500	25.8	2000.0	9.000	On	N	19.0	20.2	46.0
14.685000	33.7	2000.0	9.000	On	L1	19.8	16.3	50.0
17.848500	34.0	2000.0	9.000	On	N	19.9	16.0	50.0

CBA0060AGHC1

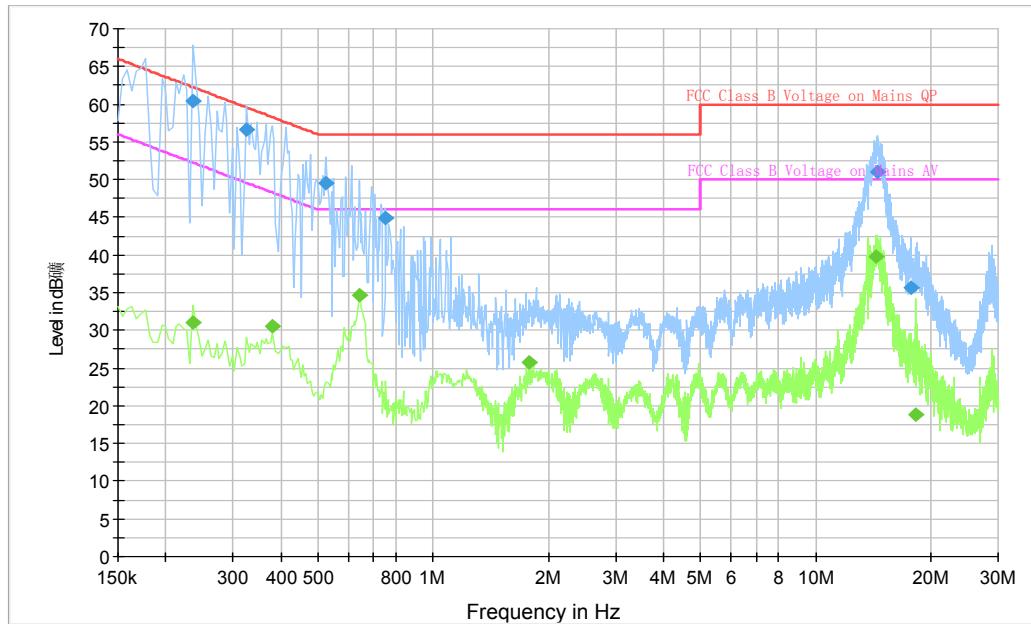

**Fig. 94 AC Powerline Conducted Emission-Idle**
**Final Result 1**

Frequency (MHz)	QuasiPeak (dB $\mu$ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.226500	58.2	2000.0	9.000	On	L1	19.8	4.3	62.6
0.258000	54.9	2000.0	9.000	On	L1	19.8	6.5	61.5
0.496500	44.9	2000.0	9.000	On	L1	19.9	11.2	56.1
0.825000	36.5	2000.0	9.000	On	L1	19.8	19.5	56.0
14.334000	47.1	2000.0	9.000	On	L1	19.8	12.9	60.0
17.848500	40.0	2000.0	9.000	On	L1	19.9	20.0	60.0

**Final Result 2**

Frequency (MHz)	Average (dB $\mu$ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.204000	32.6	2000.0	9.000	On	L1	19.8	20.8	53.4
0.343500	28.3	2000.0	9.000	On	L1	19.9	20.8	49.1
0.609000	29.9	2000.0	9.000	On	L1	19.8	16.1	46.0
3.390000	22.2	2000.0	9.000	On	L1	19.4	23.8	46.0
14.275500	35.6	2000.0	9.000	On	L1	19.8	14.4	50.0
17.821500	30.2	2000.0	9.000	On	N	19.9	19.8	50.0

CBA0060ACHC1

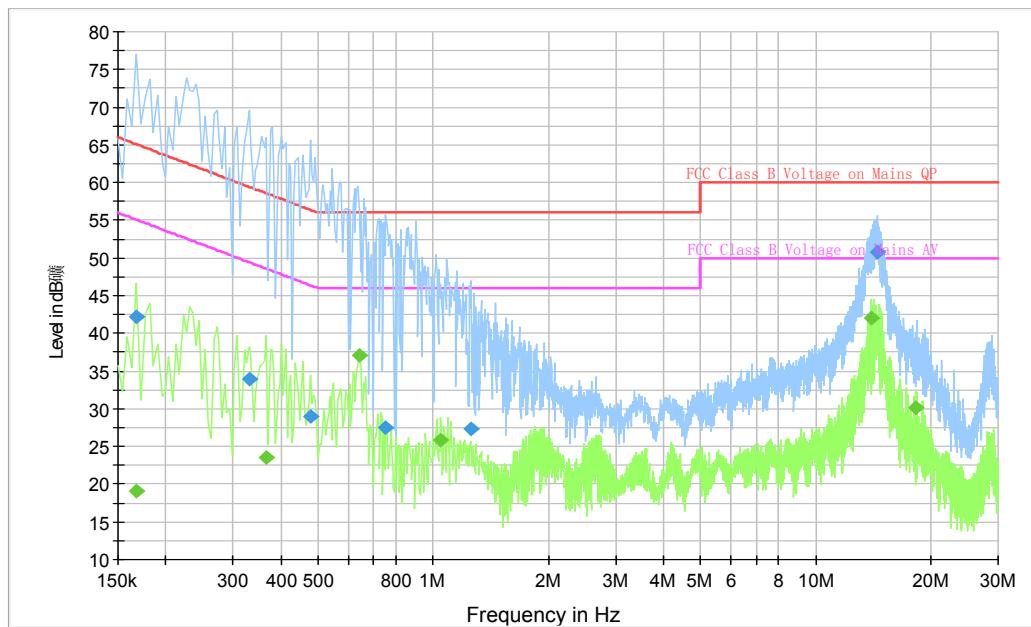

**Fig. 95 AC Powerline Conducted Emission-802.11a**
**Final Result 1**

Frequency (MHz)	QuasiPeak (dB $\mu$ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.235500	60.4	2000.0	9.000	On	L1	19.8	1.9	62.3
0.325500	56.5	2000.0	9.000	On	L1	19.8	3.0	59.6
0.523500	49.6	2000.0	9.000	On	N	19.9	6.4	56.0
0.753000	44.9	2000.0	9.000	On	N	19.8	11.1	56.0
14.500500	51.0	2000.0	9.000	On	L1	19.8	9.0	60.0
17.790000	35.7	2000.0	9.000	On	N	19.9	24.3	60.0

**Final Result 2**

Frequency (MHz)	Average (dB $\mu$ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.235500	31.1	2000.0	9.000	On	L1	19.8	21.1	52.3
0.379500	30.5	2000.0	9.000	On	N	19.9	17.8	48.3
0.640500	34.6	2000.0	9.000	On	N	19.8	11.4	46.0
1.779000	25.8	2000.0	9.000	On	N	19.7	20.2	46.0
14.428500	39.8	2000.0	9.000	On	N	19.8	10.2	50.0
18.316500	18.8	2000.0	9.000	On	L1	19.9	31.2	50.0

CBA0060AJHC1


**Fig. 96 AC Powerline Conducted Emission-802.11a**
**Final Result 1**

Frequency (MHz)	QuasiPeak (dB $\mu$ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.168000	42.2	2000.0	9.000	On	L1	19.9	22.9	65.1
0.330000	34.0	2000.0	9.000	On	L1	19.8	25.5	59.5
0.478500	29.0	2000.0	9.000	On	L1	19.9	27.3	56.4
0.753000	27.5	2000.0	9.000	On	L1	19.8	28.5	56.0
1.261500	27.3	2000.0	9.000	On	L1	19.7	28.7	56.0
14.509500	50.8	2000.0	9.000	On	L1	19.8	9.2	60.0

**Final Result 2**

Frequency (MHz)	Average (dB $\mu$ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.168000	19.0	2000.0	9.000	On	L1	19.9	36.0	55.1
0.366000	23.5	2000.0	9.000	On	L1	19.8	25.1	48.6
0.640500	37.1	2000.0	9.000	On	N	19.8	8.9	46.0
1.045500	25.9	2000.0	9.000	On	N	19.7	20.1	46.0
14.032500	42.0	2000.0	9.000	On	N	19.8	8.0	50.0
18.204000	30.2	2000.0	9.000	On	N	19.9	19.8	50.0

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