

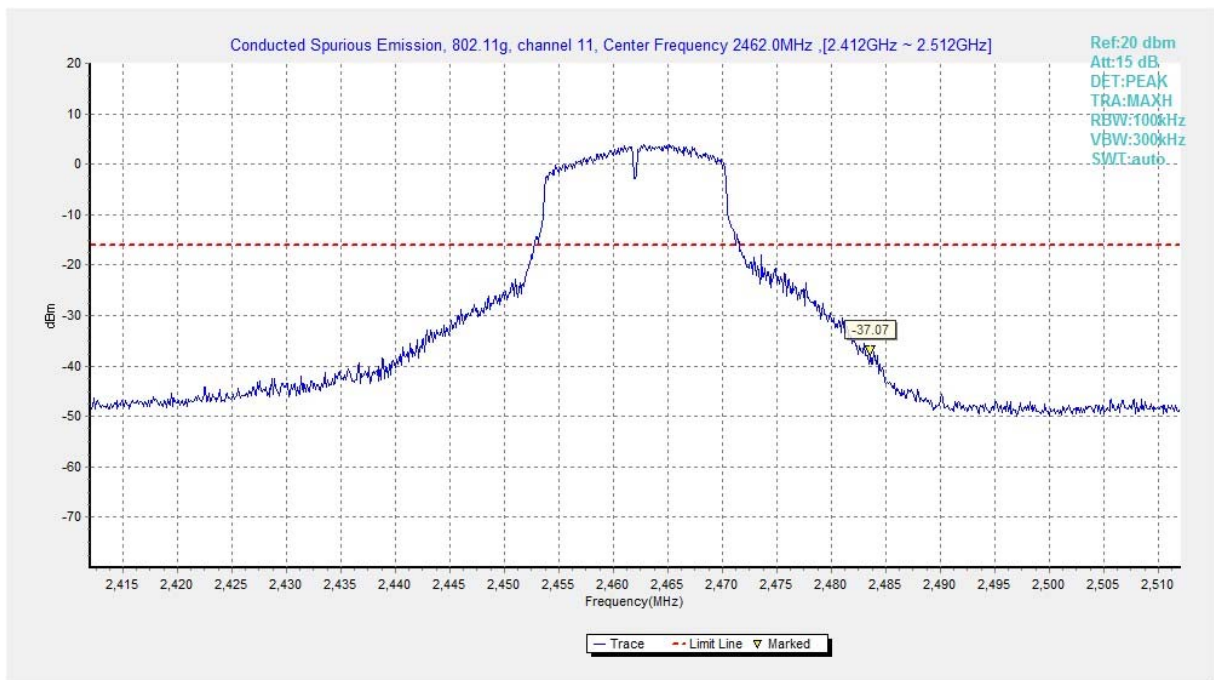


Fig.A.6.1.41 Transmitter Spurious Emission - Conducted (802.11g, Ch11, Center Frequency)

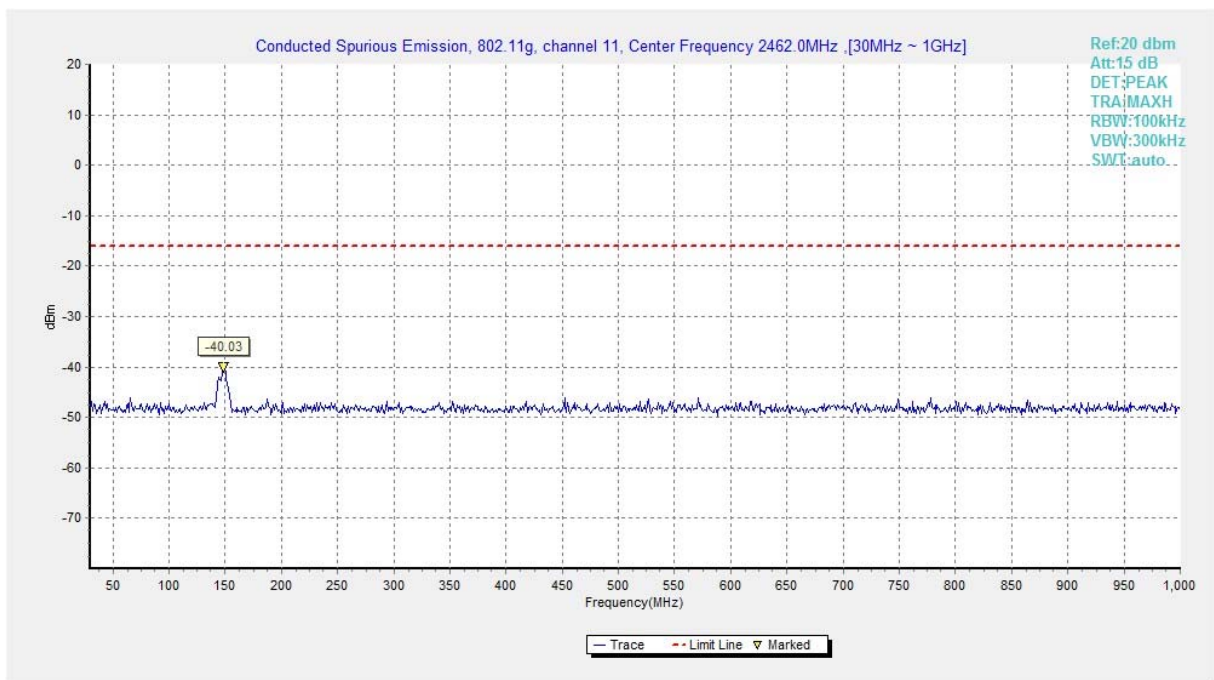


Fig.A.6.1.42 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 30 MHz-1 GHz)

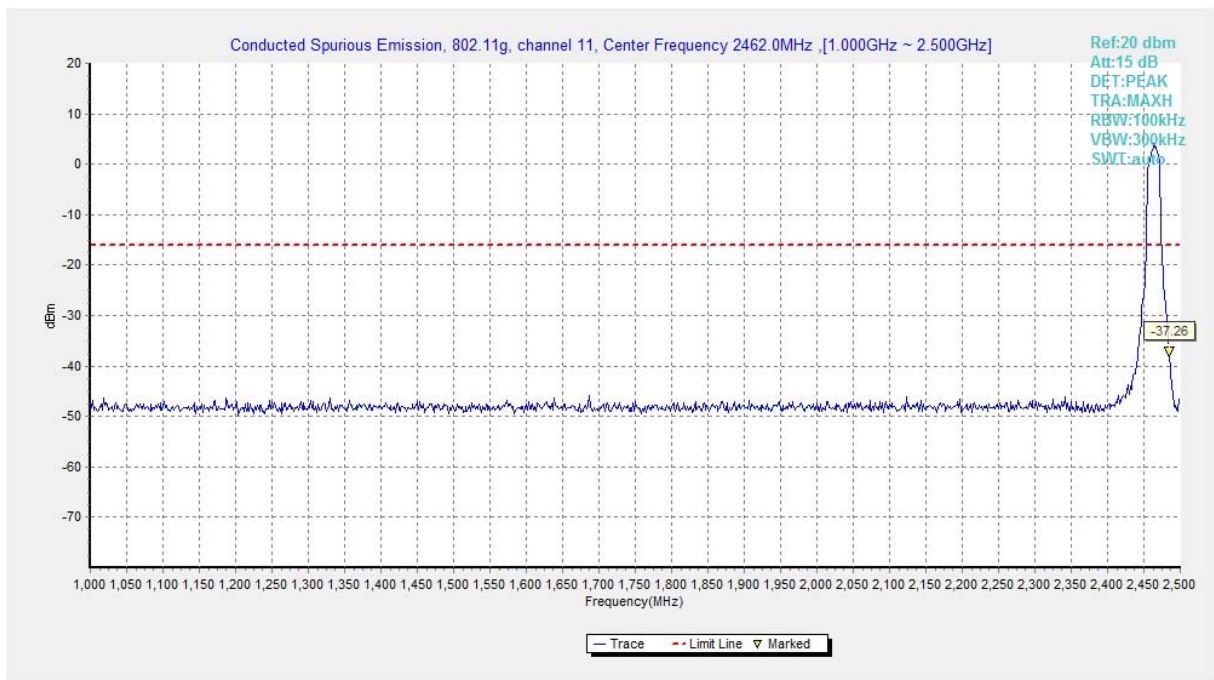


Fig.A.6.1.43 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 1 GHz-2.5 GHz)

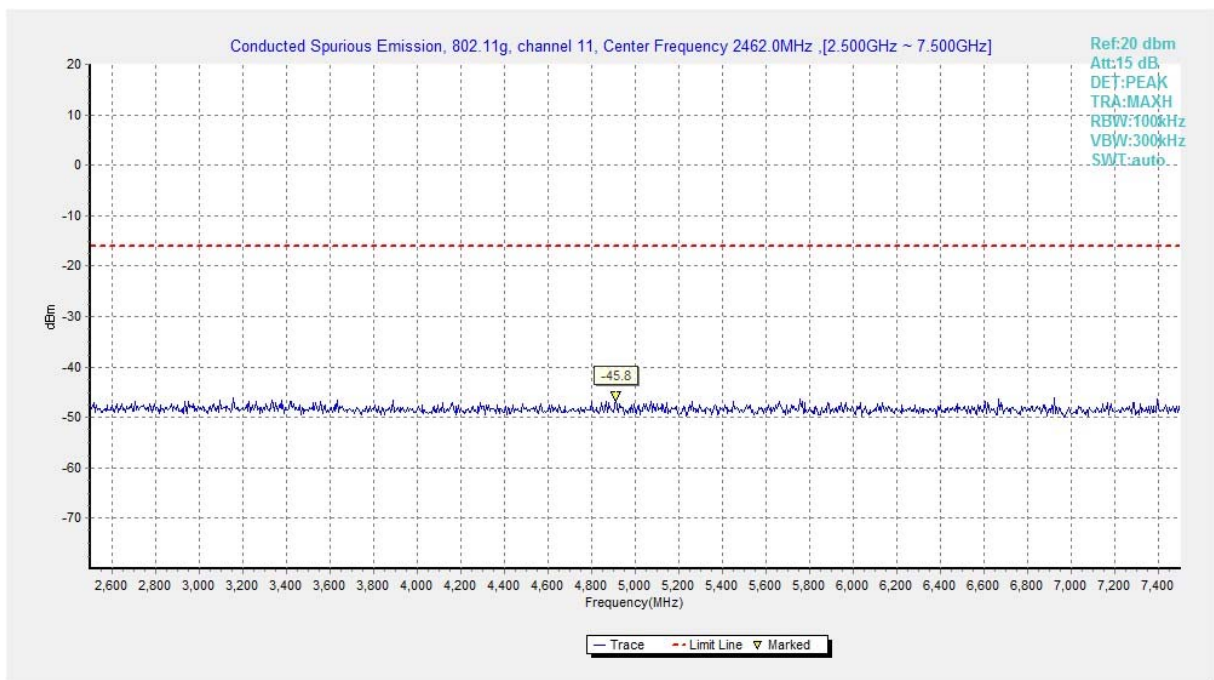


Fig.A.6.1.44 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 2.5 GHz-7.5 GHz)

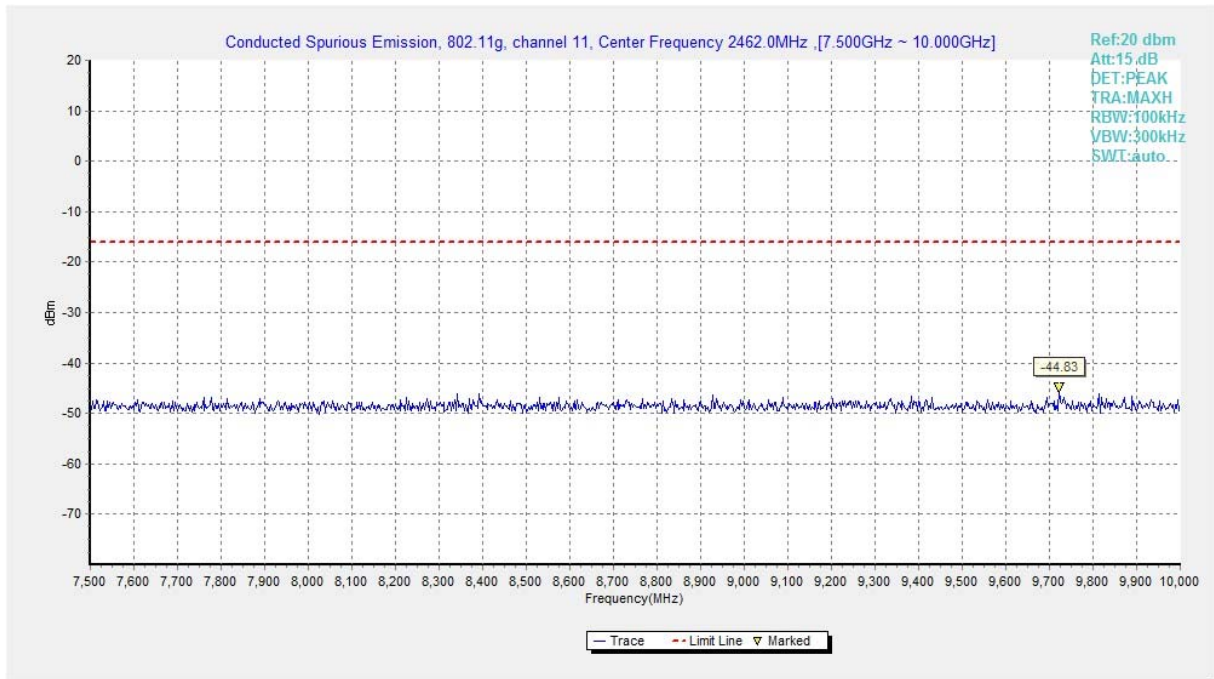


Fig.A.6.1.45 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 7.5 GHz-10 GHz)

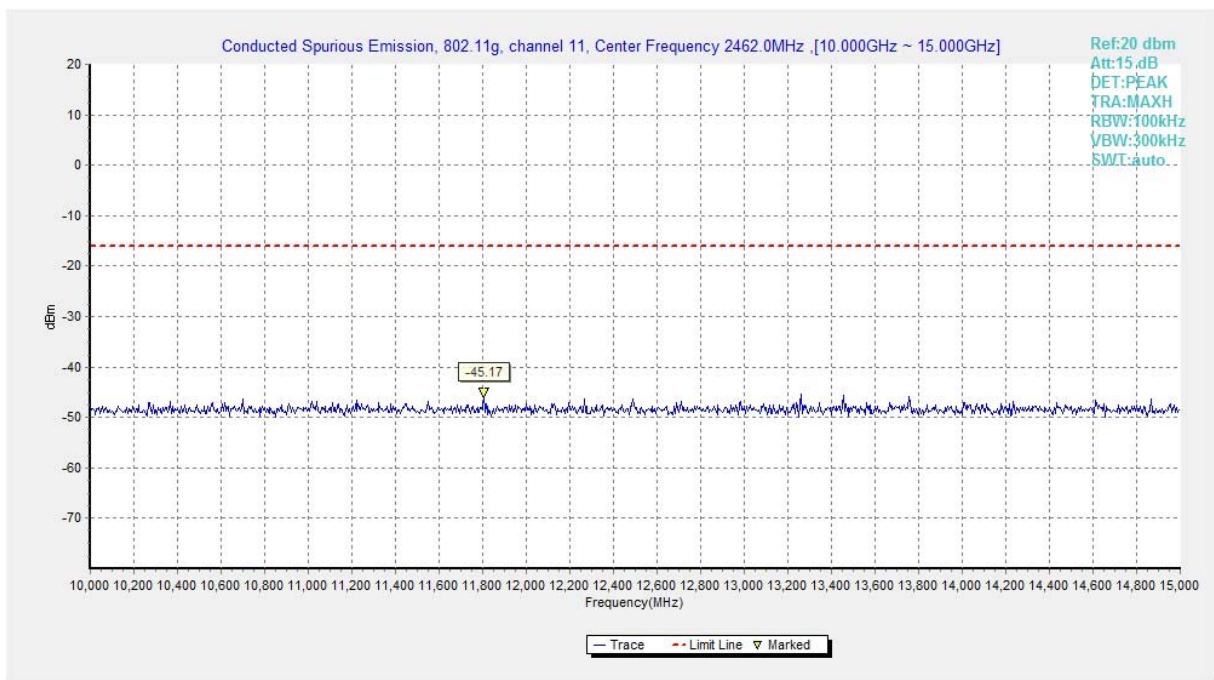


Fig.A.6.1.46 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 10 GHz-15 GHz)

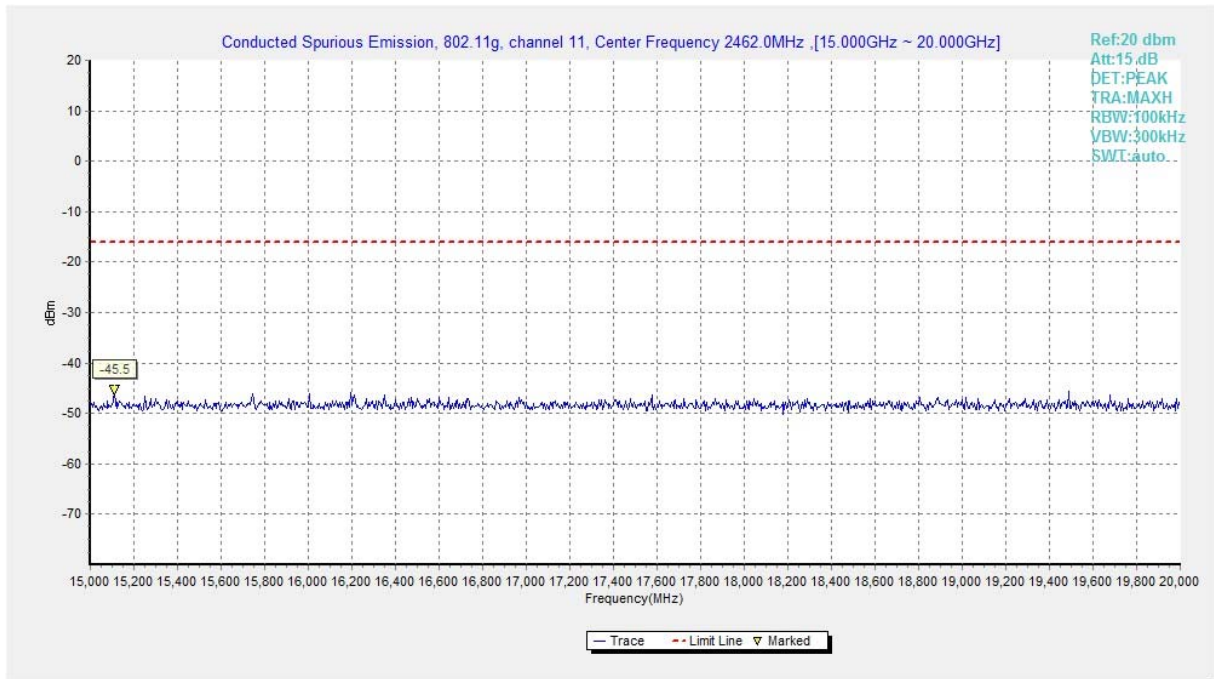


Fig.A.6.1.47 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 15 GHz-20 GHz)

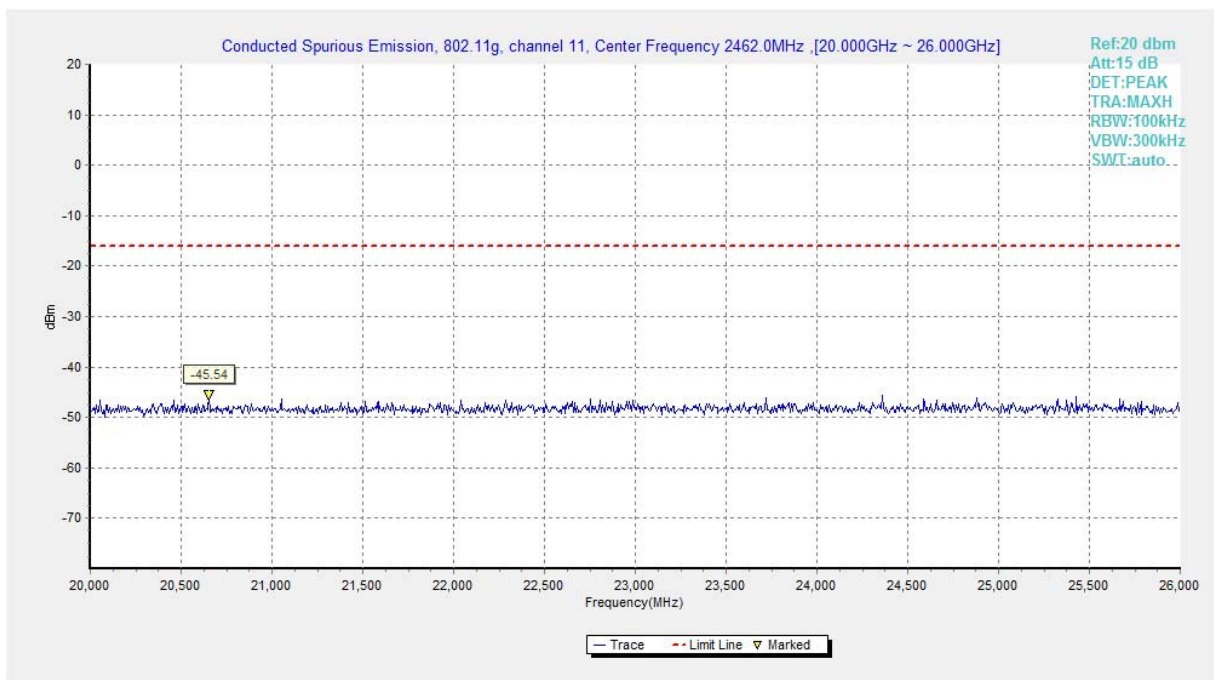


Fig.A.6.1.48 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 20 GHz-26 GHz)

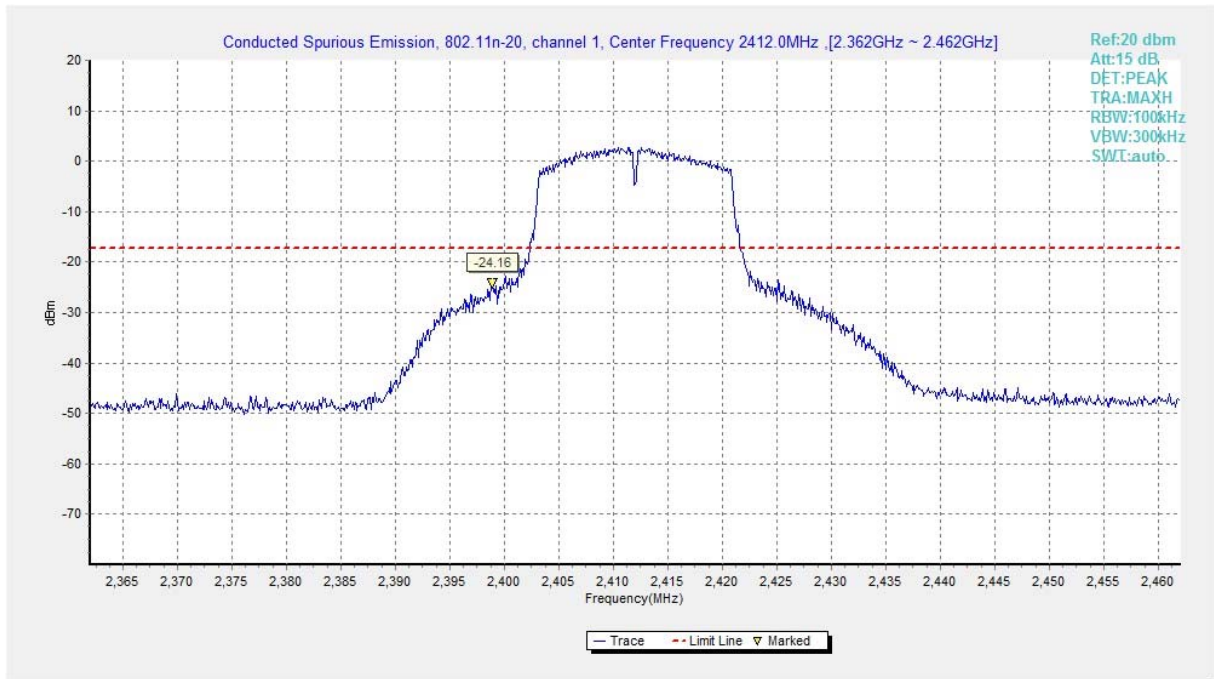


Fig.A.6.1.49 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, Center Frequency)

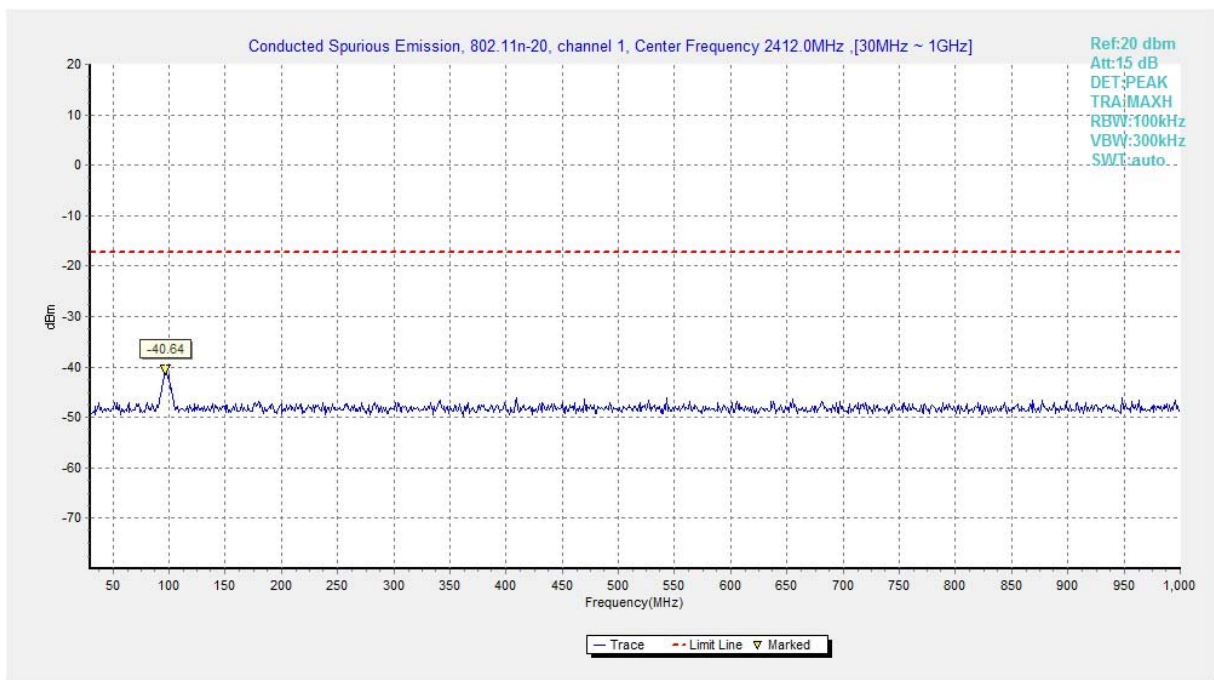


Fig.A.6.1.50 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 30 MHz-1 GHz)

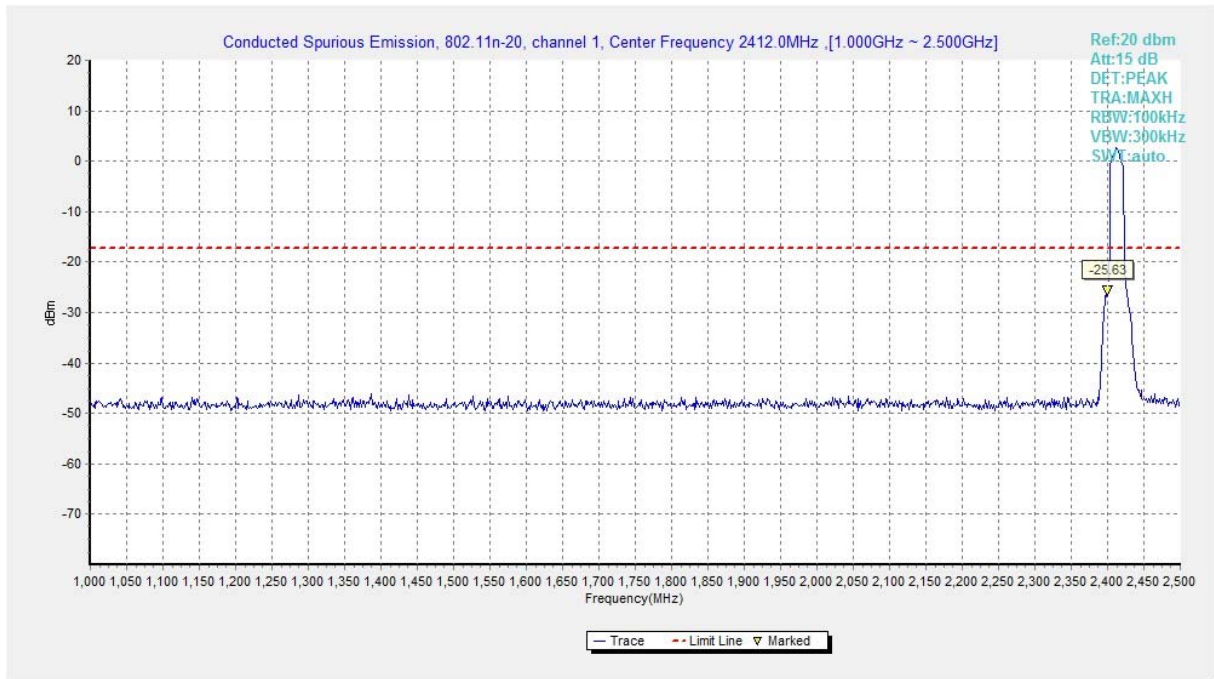


Fig.A.6.1.51 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 1 GHz-2.5 GHz)

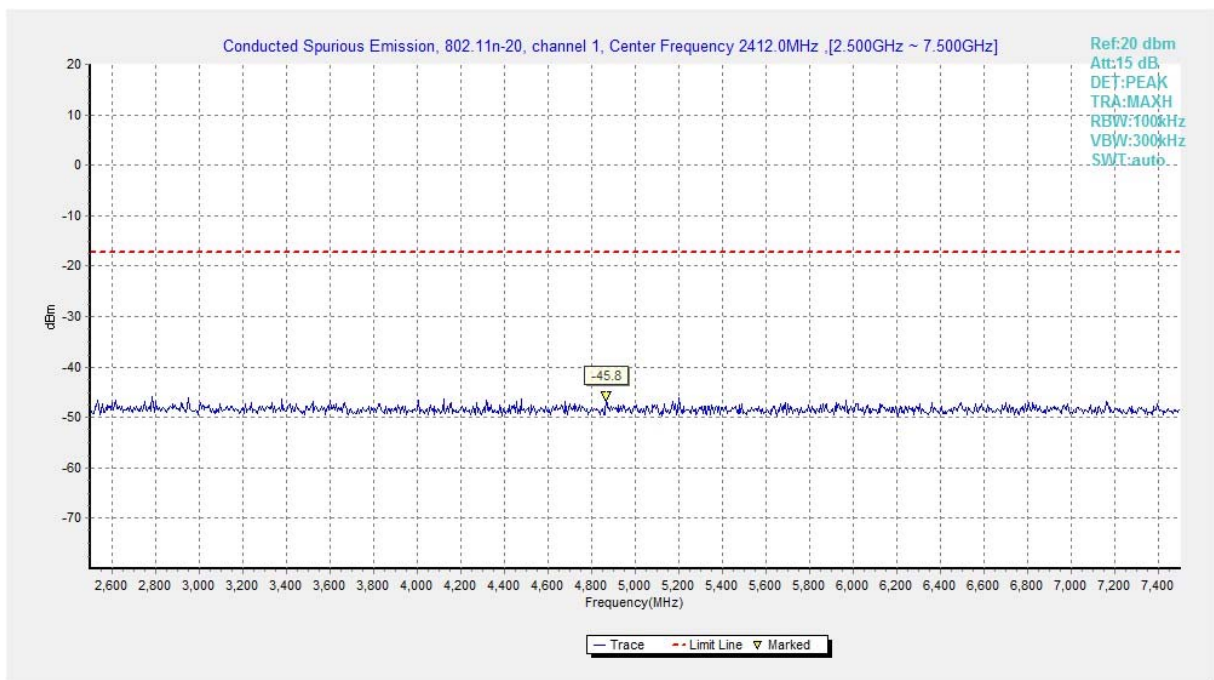


Fig.A.6.1.52 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 2.5 GHz-7.5 GHz)

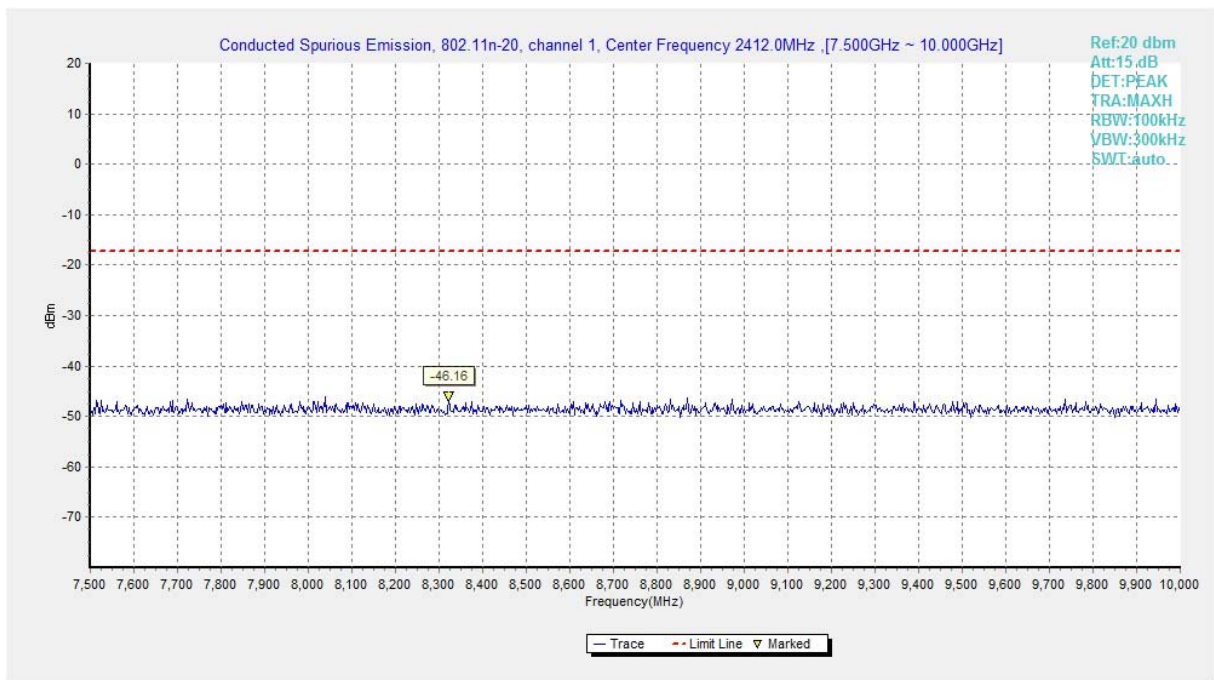


Fig.A.6.1.53 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 7.5 GHz-10 GHz)

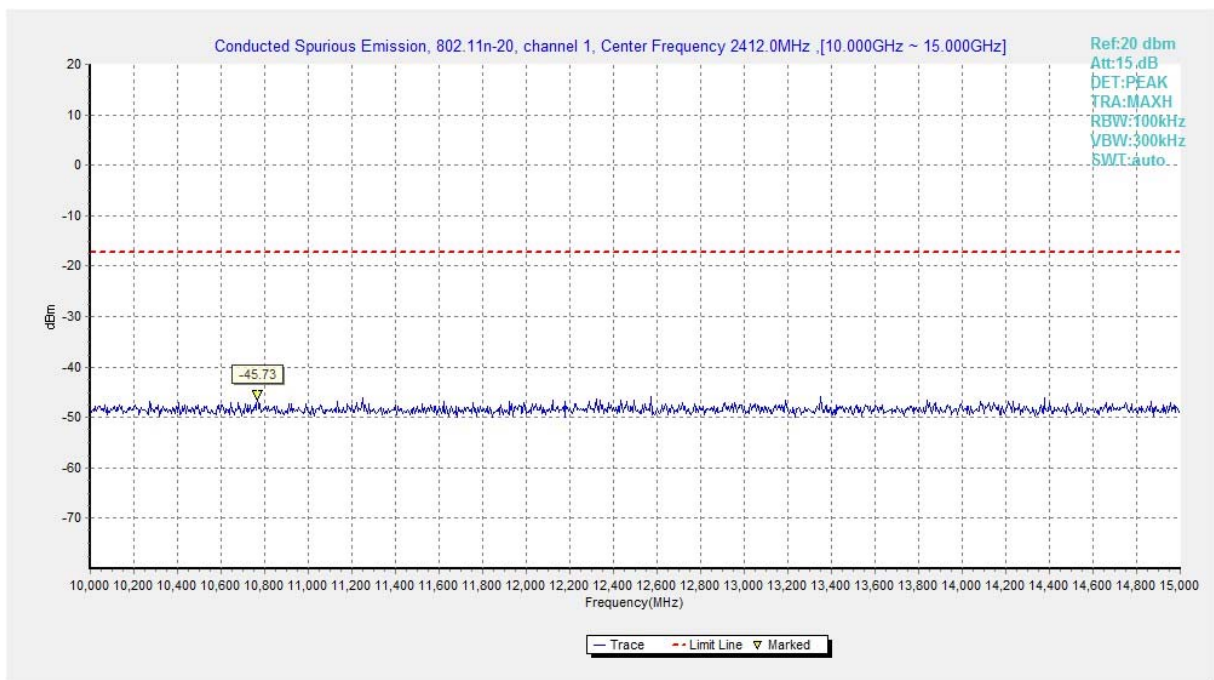


Fig.A.6.1.54 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 10 GHz-15 GHz)

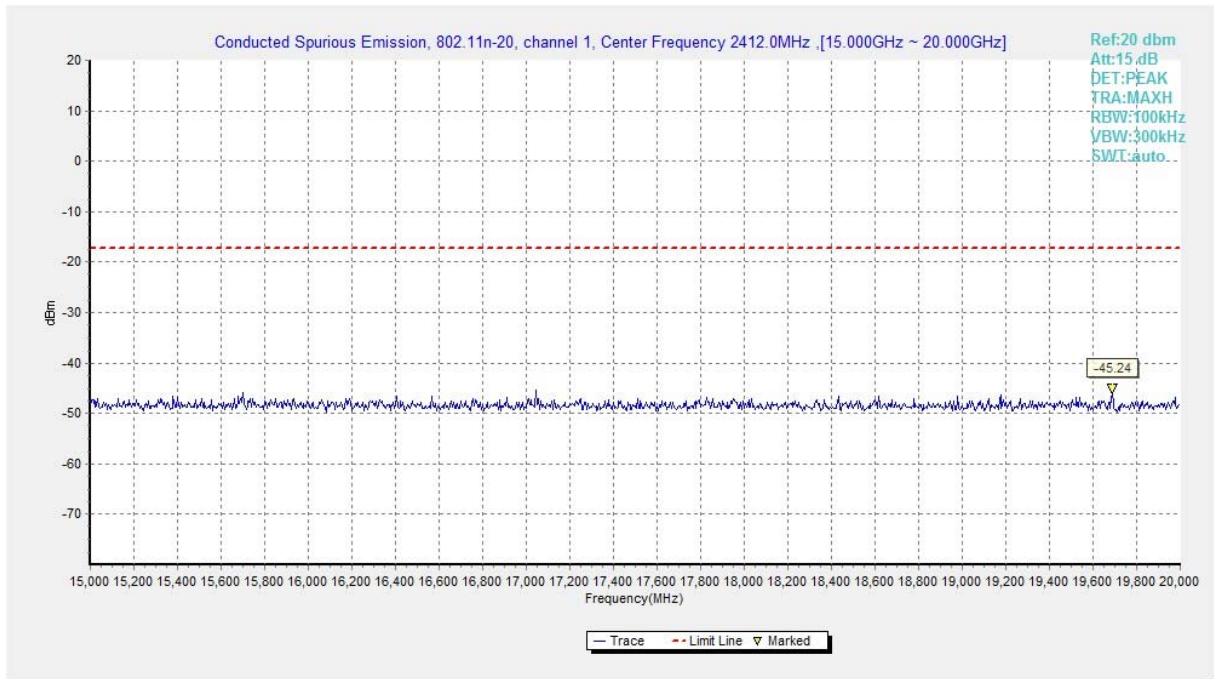


Fig.A.6.1.55 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 15 GHz-20 GHz)

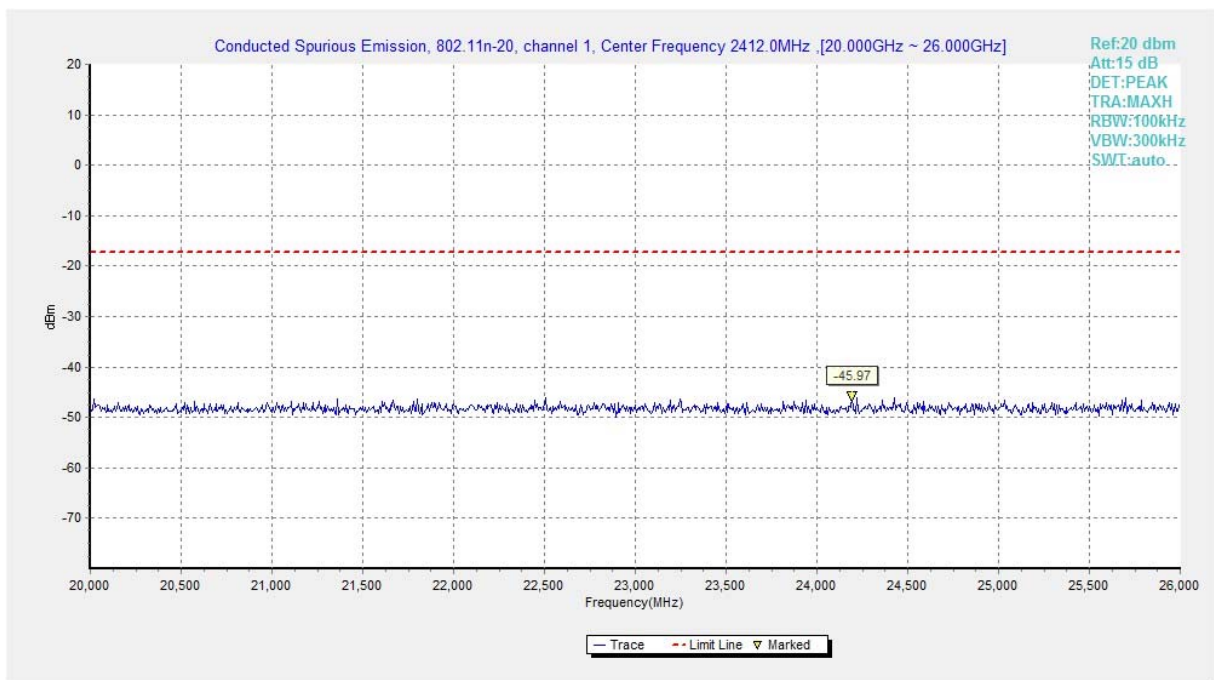


Fig.A.6.1.56 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 20 GHz-26 GHz)

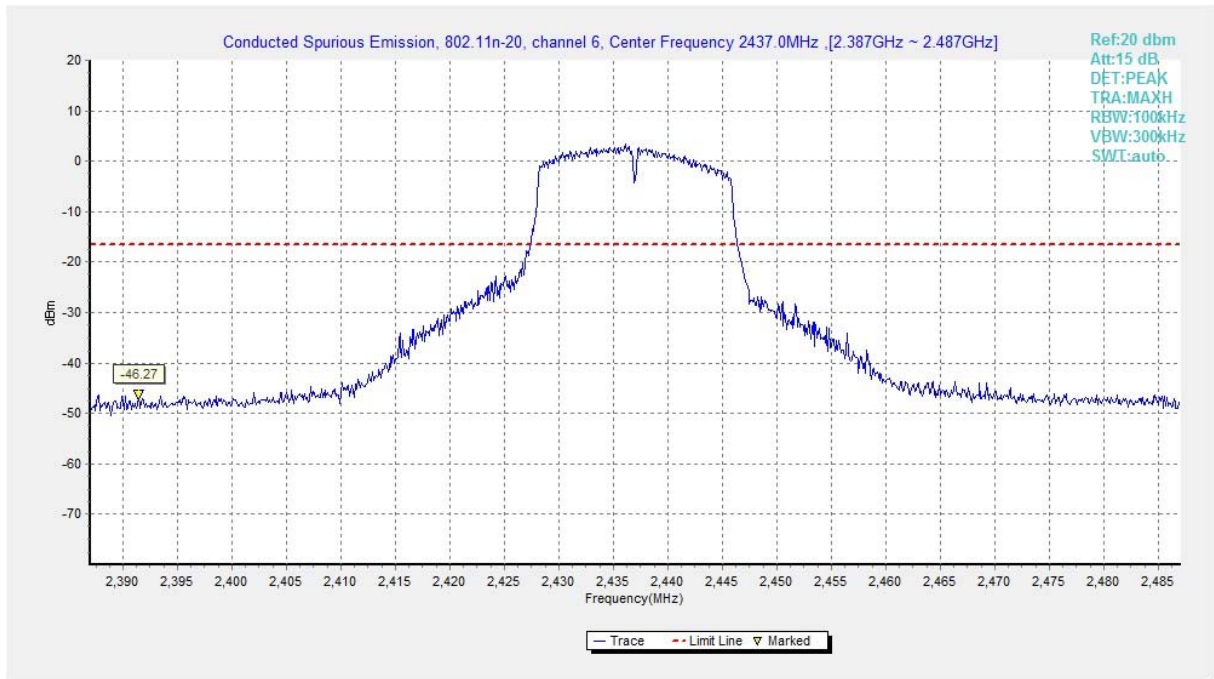


Fig.A.6.1.57 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, Center Frequency)

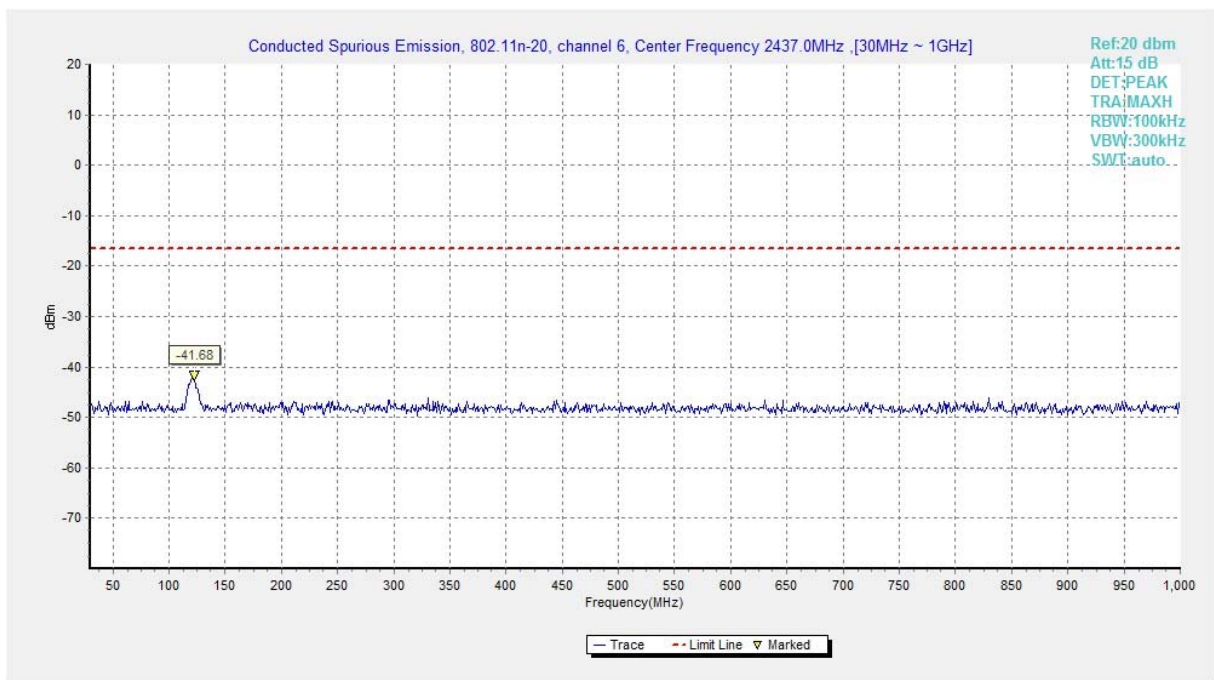


Fig.A.6.1.58 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 30 MHz-1 GHz)

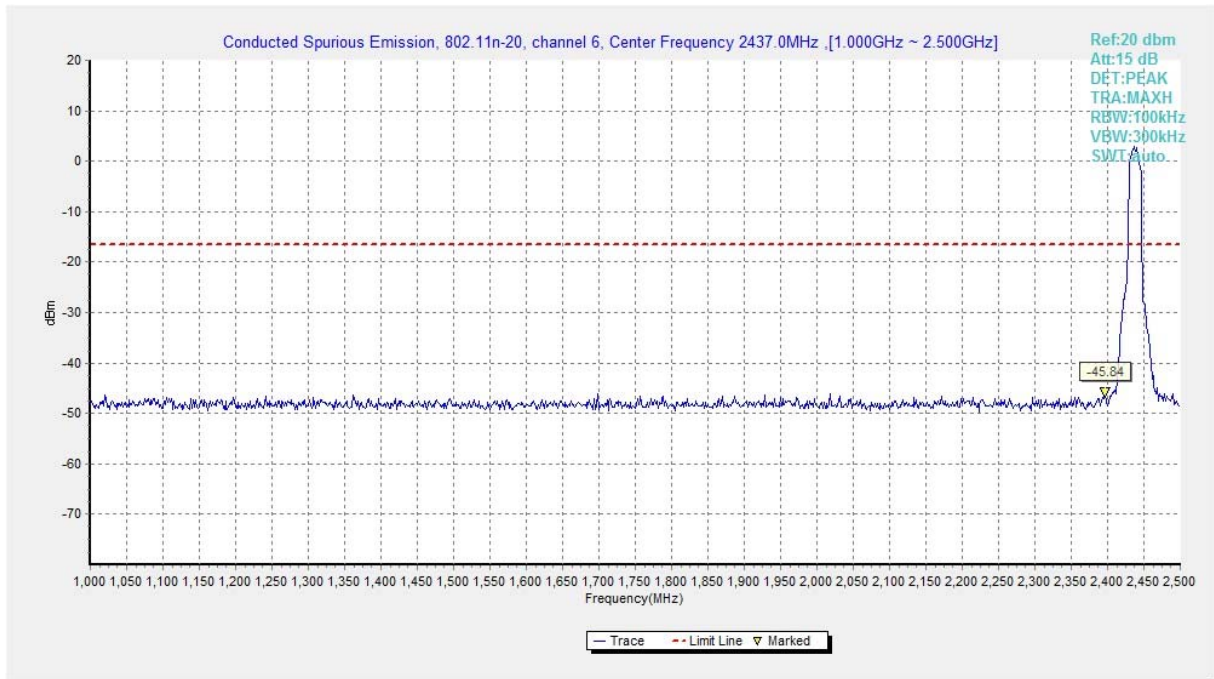


Fig.A.6.1.59 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 1 GHz-2.5 GHz)

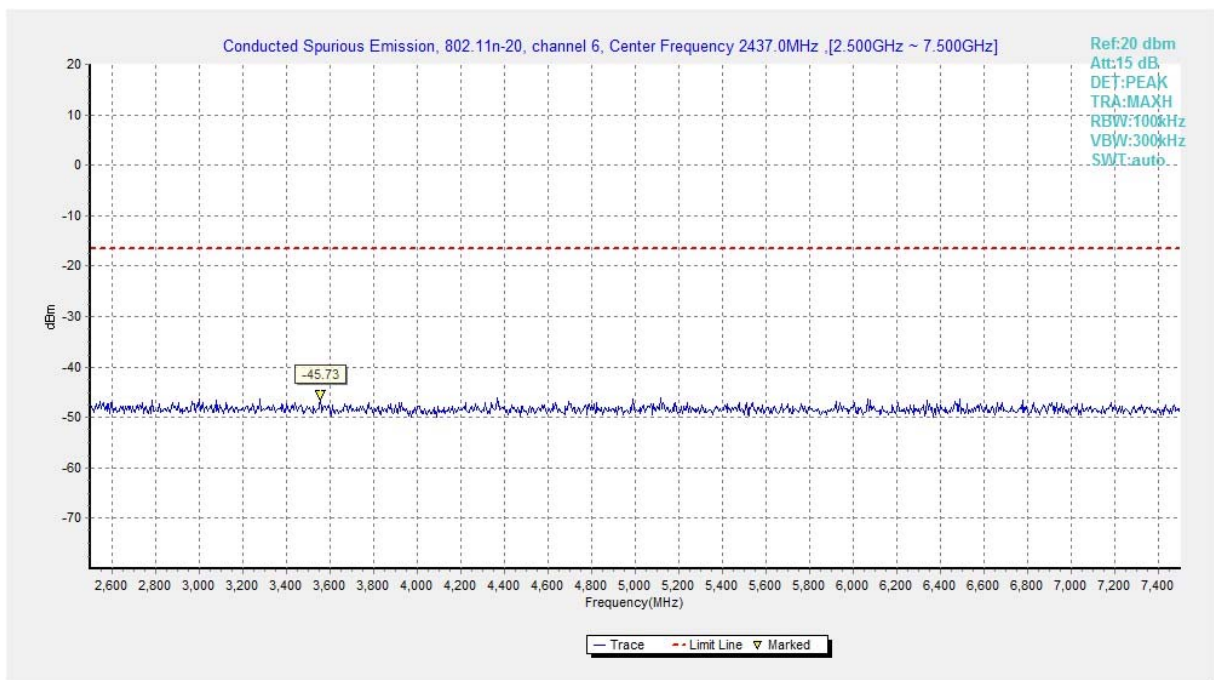


Fig.A.6.1.60 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 2.5 GHz-7.5 GHz)

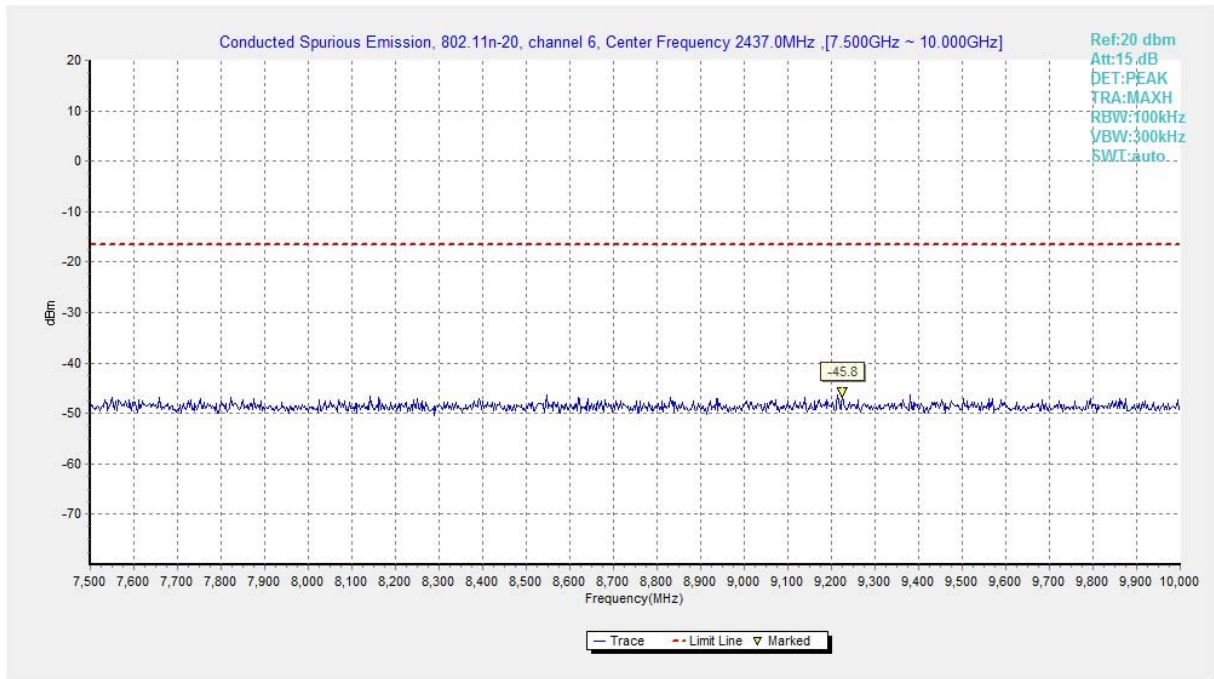


Fig.A.6.1.61 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 7.5 GHz-10 GHz)

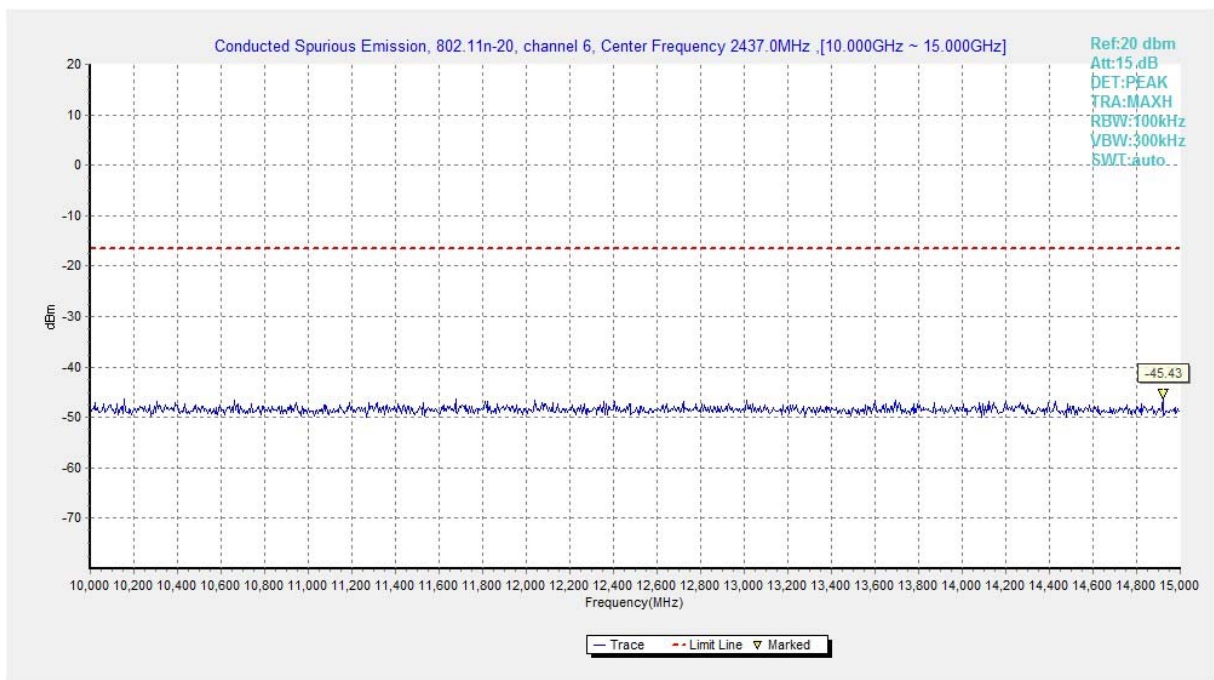


Fig.A.6.1.62 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 10 GHz-15 GHz)

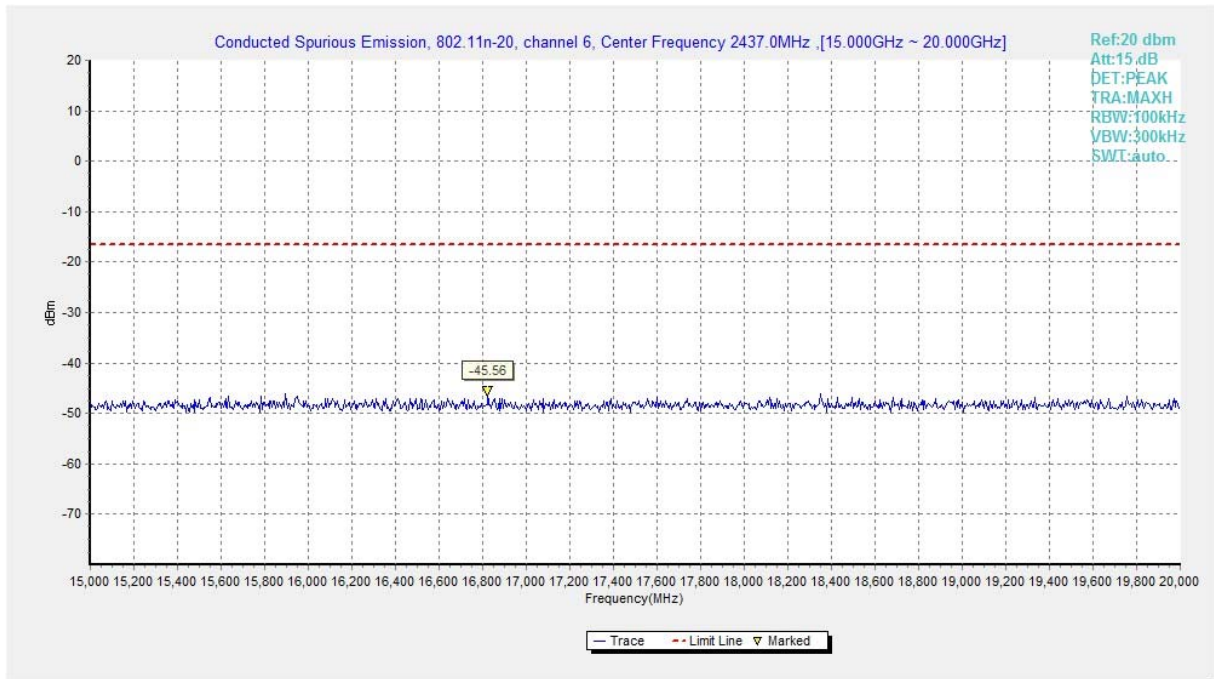


Fig.A.6.1.63 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 15 GHz-20 GHz)

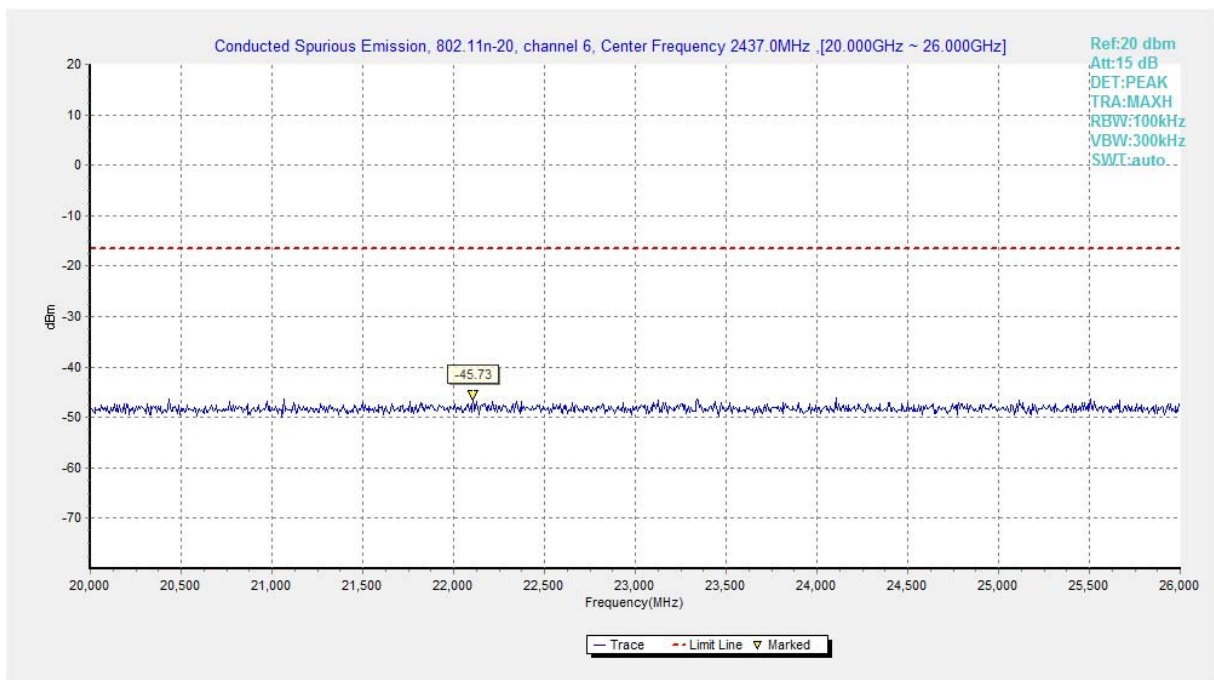


Fig.A.6.1.64 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 20 GHz-26 GHz)

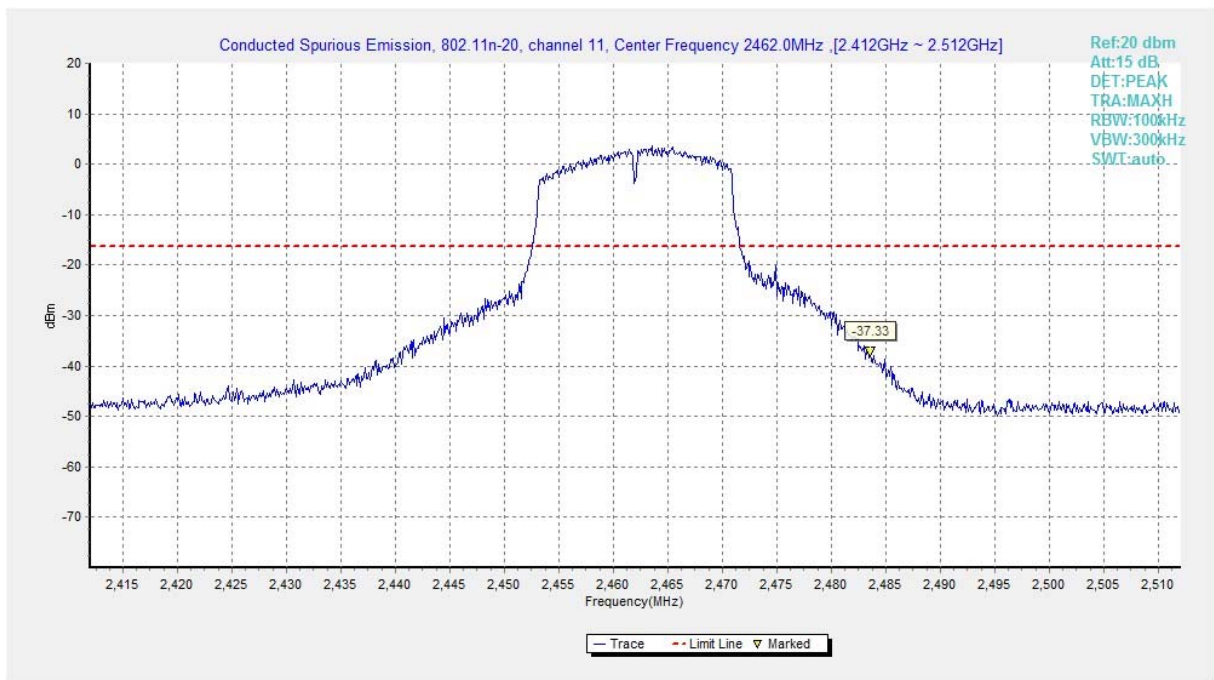


Fig.A.6.1.65 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, Center Frequency)

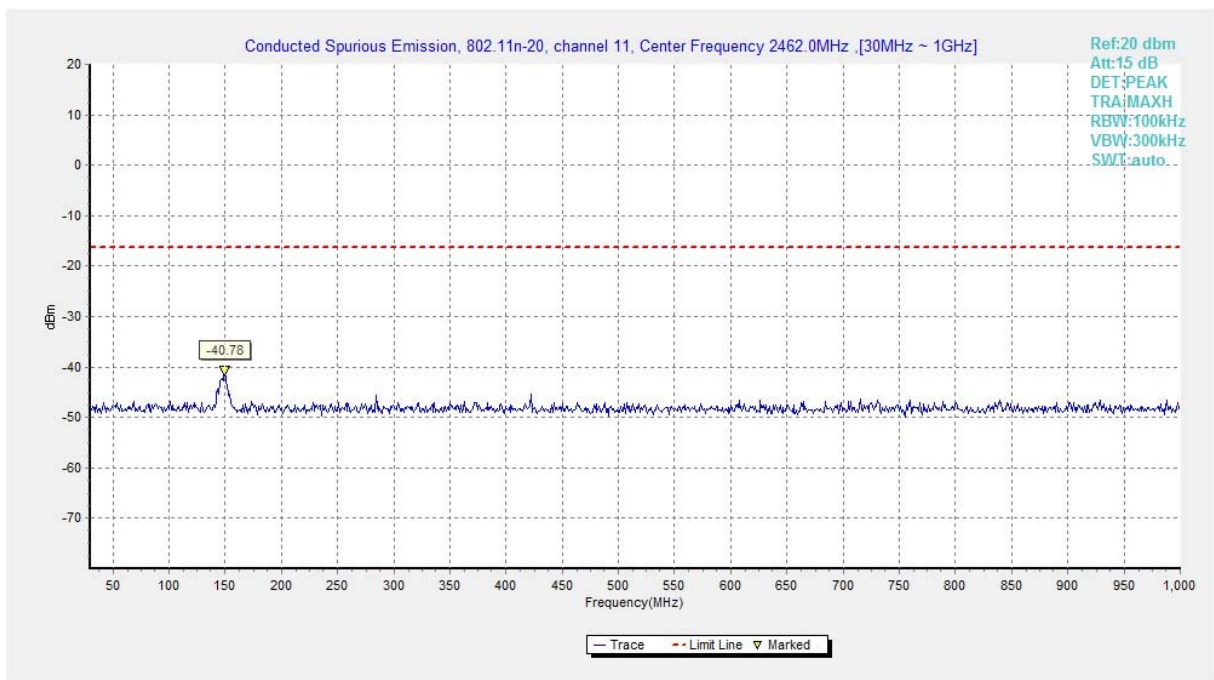


Fig.A.6.1.66 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 30 MHz-1 GHz)

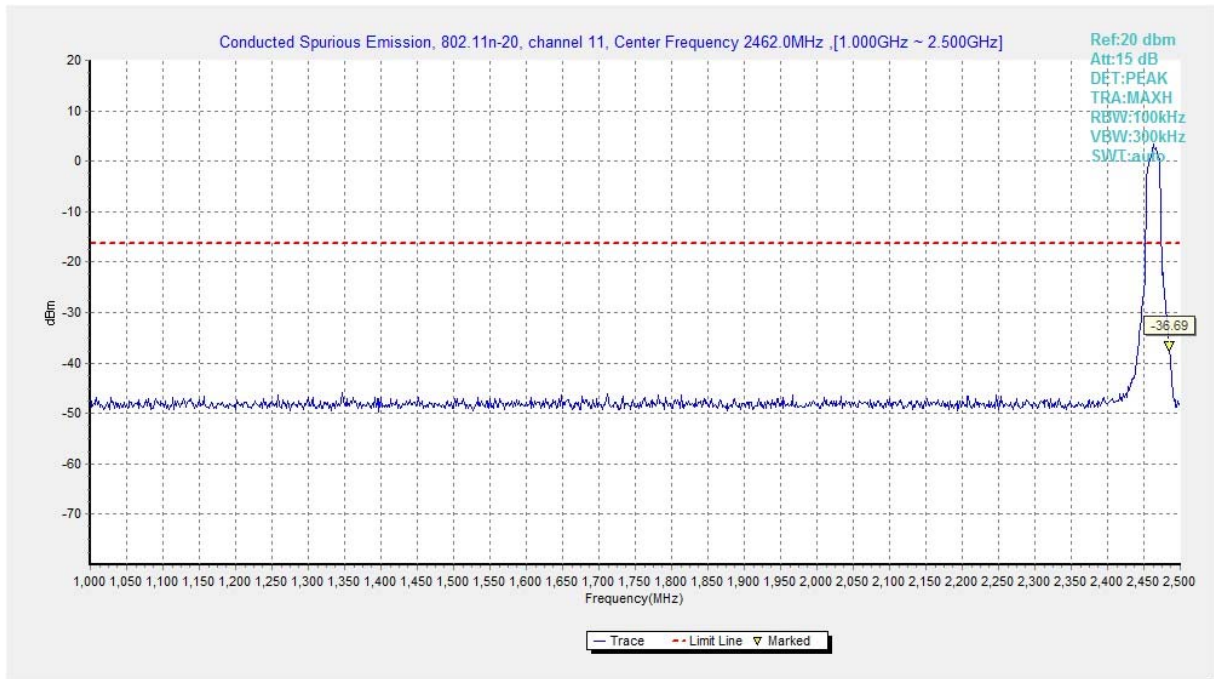


Fig.A.6.1.67 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 1 GHz-2.5 GHz)

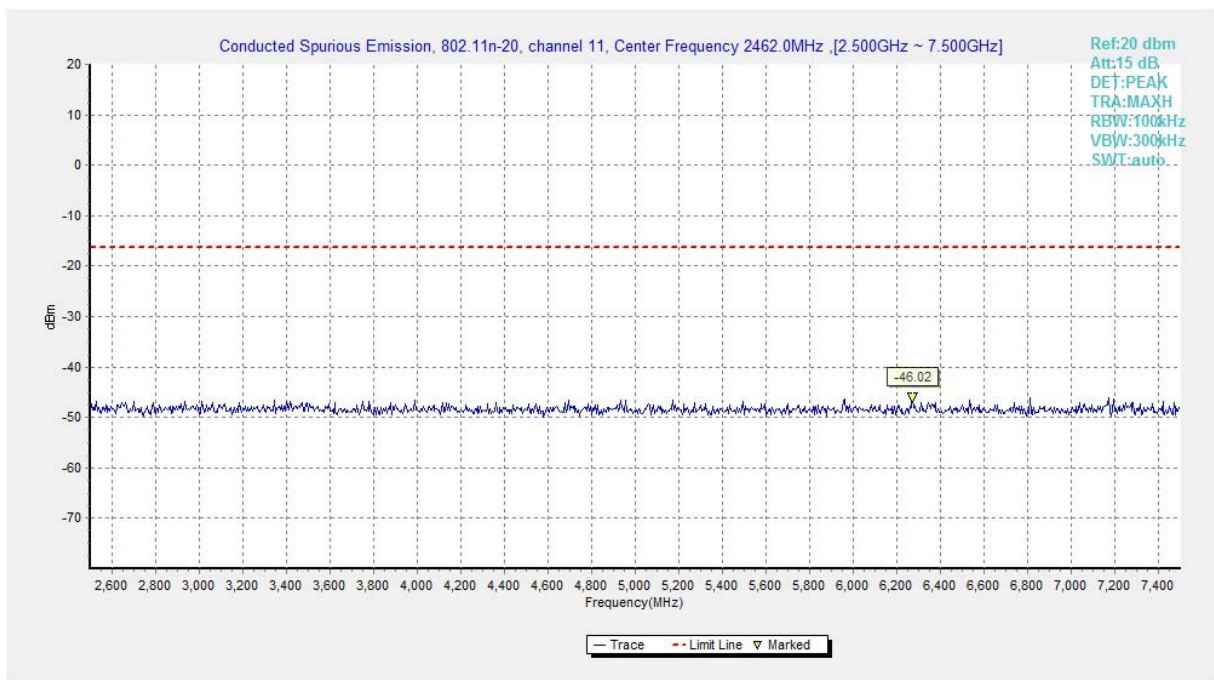


Fig.A.6.1.68 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 2.5 GHz-7.5 GHz)

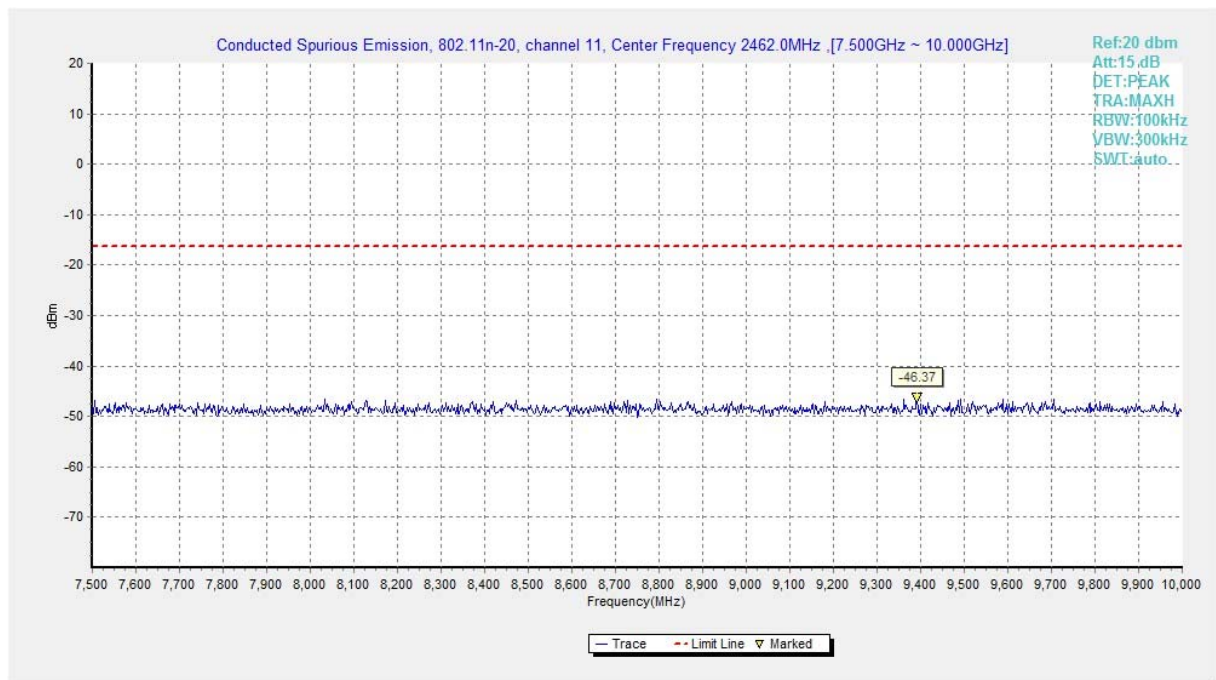


Fig.A.6.1.69 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 7.5 GHz-10 GHz)

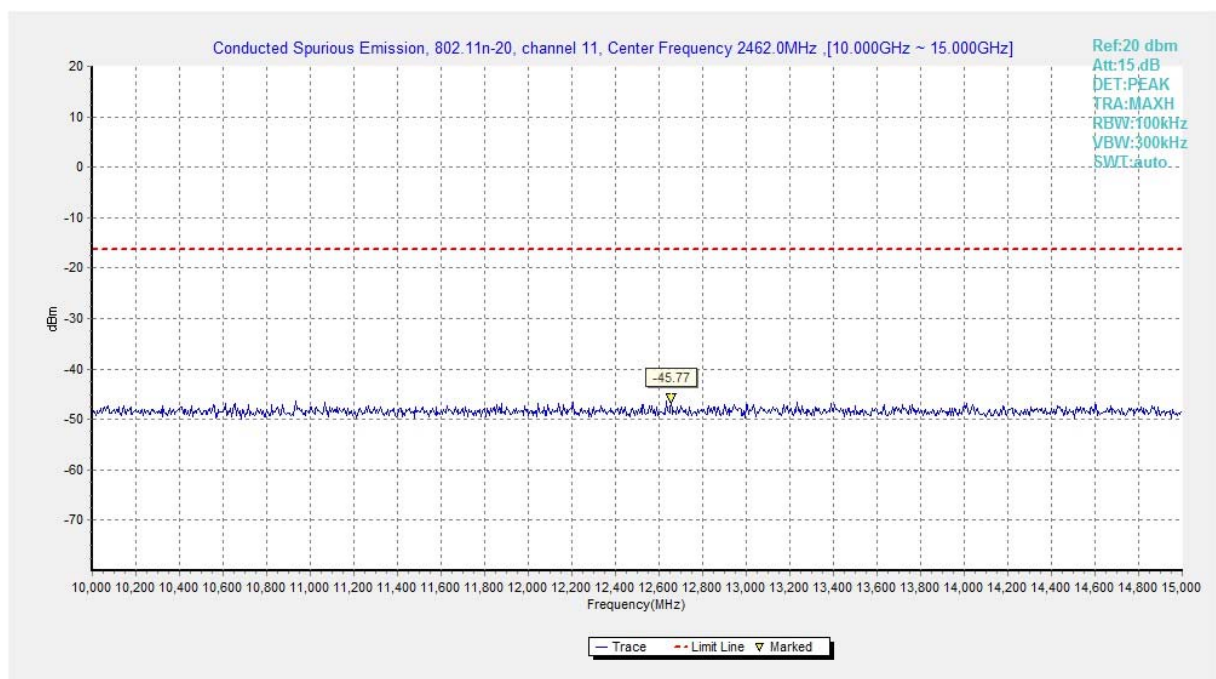


Fig.A.6.1.70 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 10 GHz-15 GHz)

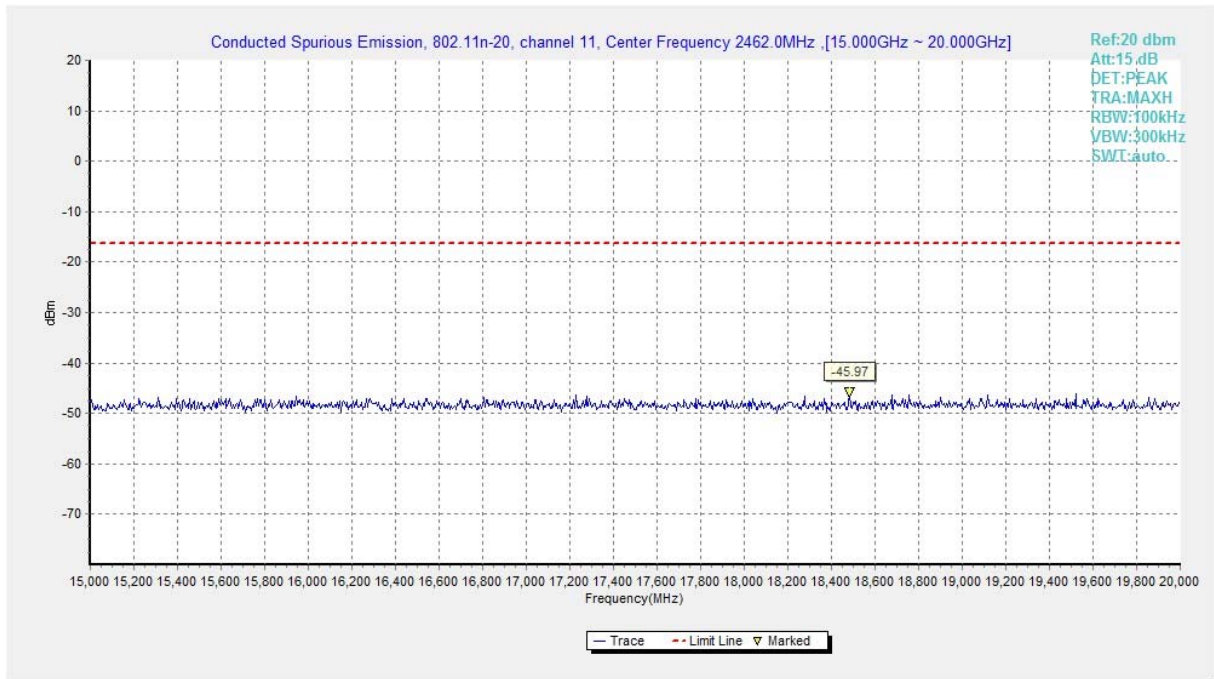


Fig.A.6.1.71 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 15 GHz-20 GHz)

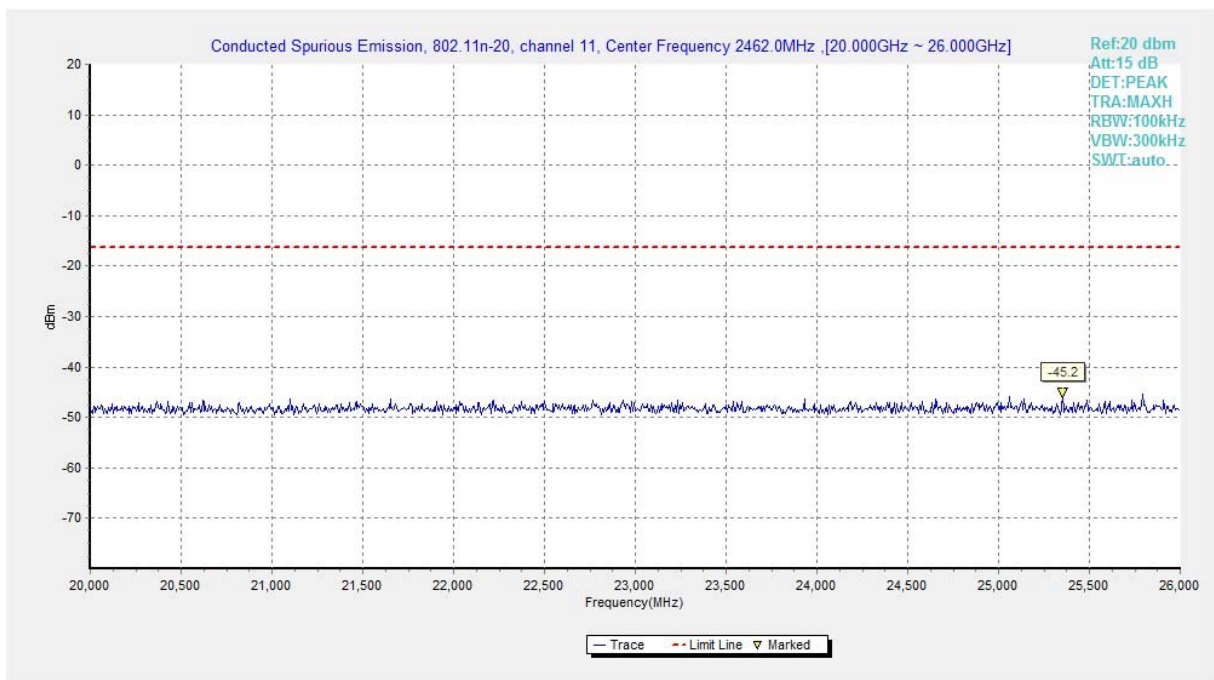


Fig.A.6.1.72 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 20 GHz-26 GHz)

A.6.2 Transmitter Spurious Emission - Radiated

Method of Measurement: See ANSI C63.10-2013-clause 6.4 & 6.5 & 6.6

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	20dB below peak output power

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)).

Limit in restricted band:

Frequency of emission (MHz)	Field strength (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Frequency (MHz)	Field strength(μV/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

Set up:

Tabletop devices shall be placed on a nonconducting platform with nominal top surface dimensions 1 m by 1.5 m. For emissions testing at or below 1 GHz, the table height shall be 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m

The EUT and transmitting antenna shall be centered on the turntable.

Test Procedure

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated 360° and the measurement antenna is moved from 1m to 4m to get the maximization result. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The receiver references:

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	100kHz/300kHz	5
1000-4000	1MHz/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

EUT ID: EUT1
Measurement results:
802.11b mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	1	2.31GHz~2.43GHz---L	Fig.A.6.2.1	P
	11	2.45GHz~2.50GHz---H	Fig.A.6.2.2	P

802.11g mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11g	1	2.31GHz~2.43GHz---L	Fig.A.6.2.3	P
	11	2.45GHz~2.50GHz---H	Fig.A.6.2.4	P

802.11n-HT20 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT20)	1	2.31GHz~2.43GHz---L	Fig.A.6.2.5	P
	11	2.45GHz~2.50GHz---H	Fig.A.6.2.6	P
	10	2.45GHz~2.50GHz---H	Fig.A.6.2.7	P

Conclusion: Pass
Note:

1. 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.

The measurement results are obtained as described below:

Result= $P_{Mea}+A_{Rpl}= P_{Mea}+Cable\ Loss+Antenna\ Factor$

2. The range of evaluated frequency is from 9 kHz to 26GHz. Measurement value show only up to 6 maximum emissions noted.

Peak
802.11b

Ch1

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.000	57.47	-25.50	46.70	36.27	74.00	16.53	V
14375.000	52.28	-28.40	42.30	38.38	74.00	21.72	V
12927.000	48.04	-30.50	39.20	39.34	74.00	25.96	V
4824.000	45.46	-37.50	33.10	49.76	74.00	28.54	H
9409.000	45.45	-32.90	37.90	40.45	74.00	28.55	V
2339.300	54.12	-20.10	28.00	46.22	74.00	19.88	H

Ch6

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17915.500	56.85	-25.50	46.70	35.65	74.00	17.15	H
14529.500	51.71	-28.60	42.50	37.81	74.00	22.29	H
12533.000	48.04	-31.00	39.00	40.14	74.00	25.96	V
8881.000	45.16	-33.50	38.10	40.56	74.00	28.84	V
4874.000	44.71	-37.20	33.20	48.71	74.00	29.29	H
7581.000	43.94	-35.00	36.90	42.14	74.00	30.06	H

Ch11

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17993.000	57.01	-25.50	46.70	35.81	74.00	16.99	V
14397.000	51.91	-28.60	42.50	38.01	74.00	22.09	V
12874.500	47.60	-30.70	39.10	39.10	74.00	26.40	H
4924.000	45.66	-37.10	33.30	49.46	74.00	28.34	H
9533.000	44.82	-33.20	37.90	40.12	74.00	29.18	H
2488.400	57.51	-20.00	28.30	49.21	74.00	16.49	H

802.11g

Ch1

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17977.000	57.46	-25.50	46.70	36.26	74.00	16.54	V
14403.000	51.47	-28.60	42.50	37.57	74.00	22.53	H
12741.500	47.38	-30.50	39.10	38.78	74.00	26.62	V
9874.500	44.83	-33.50	38.10	40.23	74.00	29.17	H
7495.000	44.21	-34.50	36.80	41.91	74.00	29.79	V
2389.800	57.24	-20.00	28.10	49.24	74.00	16.76	H

Ch6

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17972.500	56.98	-25.50	46.70	35.78	74.00	17.02	H
14414.500	52.15	-28.60	42.50	38.25	74.00	21.85	V
12033.500	48.33	-31.60	39.00	40.93	74.00	25.67	V
8851.500	45.11	-33.50	38.10	40.51	74.00	28.89	V
7736.000	44.03	-34.80	37.00	41.93	74.00	29.97	H
3983.000	39.72	-37.80	32.50	45.12	74.00	34.28	H

Ch11

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17945.500	56.76	-25.50	46.70	35.56	74.00	17.24	H
14519.000	51.31	-28.60	42.50	37.41	74.00	22.69	V
12978.000	48.02	-30.50	39.20	39.32	74.00	25.98	H
9511.000	45.51	-33.20	37.90	40.81	74.00	28.49	V
7925.000	43.61	-34.80	37.10	41.31	74.00	30.39	V
2485.100	65.66	-20.00	28.30	57.36	74.00	8.34	H

802.11n-HT20
Ch1

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17931.000	56.75	-25.50	46.70	35.55	74.00	17.25	H
14394.000	51.44	-28.60	42.50	37.54	74.00	22.56	V
12971.500	47.27	-30.50	39.20	38.57	74.00	26.73	V
9278.500	45.43	-33.70	38.00	41.13	74.00	28.57	V
7343.000	43.88	-35.10	36.60	42.38	74.00	30.12	H
4391.000	39.42	-37.90	32.40	44.92	74.00	34.58	V

Ch6

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17937.500	56.90	-25.50	46.70	35.70	74.00	17.10	H
14385.000	51.25	-28.40	42.30	37.35	74.00	22.75	V
12811.500	47.26	-30.70	39.10	38.76	74.00	26.74	V
9538.500	45.06	-33.20	37.90	40.36	74.00	28.94	H
7835.500	43.32	-35.10	37.00	41.42	74.00	30.68	V
4914.000	39.70	-37.10	33.30	43.50	74.00	34.30	H

Ch11

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17966.500	56.63	-25.50	46.70	35.43	74.00	17.37	V
14425.000	51.50	-28.60	42.50	37.60	74.00	22.50	V
12659.000	47.60	-30.50	39.10	39.00	74.00	26.40	V
9287.000	44.94	-33.70	38.00	40.64	74.00	29.06	H
7435.500	44.15	-35.20	36.70	42.55	74.00	29.85	V
2485.000	69.02	-20.00	28.30	60.72	74.00	4.98	H

Average
802.11b
Ch1

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.500	45.95	-25.50	46.70	24.75	54.00	8.05	H
4824.000	40.75	-37.50	33.10	45.05	54.00	13.25	H
14372.500	40.15	-28.40	42.30	26.25	54.00	13.85	H
12663.000	36.01	-30.50	39.10	27.41	54.00	17.99	V
9095.500	33.56	-33.80	38.10	29.16	54.00	20.44	V
2388.300	41.59	-20.00	28.10	33.59	54.00	12.41	H

Ch6

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17984.000	45.56	-25.50	46.70	24.36	54.00	8.44	V
14322.500	39.95	-28.40	42.30	26.05	54.00	14.05	H
4874.000	39.41	-37.20	33.20	43.41	54.00	14.59	H
12646.000	35.96	-30.50	39.10	27.36	54.00	18.04	H
7310.000	35.57	-35.00	36.50	33.97	54.00	18.43	V
8982.000	33.57	-33.30	38.20	28.67	54.00	20.43	H

Ch11

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17991.000	45.32	-25.50	46.70	24.12	54.00	8.68	H
4924.000	41.76	-37.10	33.30	45.56	54.00	12.24	H
14475.500	40.21	-28.60	42.50	26.31	54.00	13.79	V
12670.500	35.88	-30.50	39.10	27.28	54.00	18.12	V
7385.000	33.69	-35.10	36.60	32.19	54.00	20.31	H
2486.800	46.00	-20.00	28.30	37.70	54.00	8.00	H

802.11g
Ch1

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17990.500	45.33	-25.50	46.70	24.13	54.00	8.67	V
14378.500	39.94	-28.40	42.30	26.04	54.00	14.06	H
12639.000	35.72	-31.00	39.00	27.82	54.00	18.28	V
8894.500	33.12	-33.50	38.10	28.52	54.00	20.88	V
7847.500	31.98	-34.90	37.10	29.78	54.00	22.02	V
2389.700	45.60	-20.00	28.10	37.60	54.00	8.40	H

Ch6

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17983.000	45.82	-25.50	46.70	24.62	54.00	8.18	H
14394.000	40.18	-28.60	42.50	26.28	54.00	13.82	H
12673.500	36.01	-30.50	39.10	27.41	54.00	17.99	H
9086.500	33.55	-33.80	38.10	29.15	54.00	20.45	H
7999.000	31.84	-34.80	37.10	29.54	54.00	22.16	V
4873.500	28.64	-37.20	33.20	32.64	54.00	25.36	H

Ch11

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.500	45.49	-25.50	46.70	24.29	54.00	8.51	V
14327.000	39.90	-28.40	42.30	26.00	54.00	14.10	H
12851.000	35.60	-30.70	39.10	27.10	54.00	18.40	H
8974.500	33.03	-33.30	38.20	28.13	54.00	20.97	V
7969.000	32.19	-34.80	37.10	29.89	54.00	21.81	H
2483.510	50.19	-20.00	28.30	41.89	54.00	3.81	H

802.11n-HT20
Ch1

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.000	45.45	-25.50	46.70	24.25	54.00	8.55	V
14376.500	40.26	-28.40	42.30	26.36	54.00	13.74	V
12646.500	35.55	-30.50	39.10	26.95	54.00	18.45	V
8989.500	33.02	-33.30	38.20	28.12	54.00	20.98	H
7991.500	31.66	-34.80	37.10	29.36	54.00	22.34	V
4825.500	28.57	-37.50	33.10	32.87	54.00	25.43	H

Ch6

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17992.500	45.46	-25.50	46.70	24.26	54.00	8.54	H
14426.500	39.92	-28.60	42.50	26.02	54.00	14.08	V
12638.000	35.68	-31.00	39.00	27.78	54.00	18.32	V
9200.500	33.09	-33.70	38.00	28.79	54.00	20.91	H
7946.000	31.93	-34.80	37.10	29.63	54.00	22.07	V
4952.500	27.89	-37.10	33.30	31.69	54.00	26.11	V

Ch11

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17969.000	45.33	-25.50	46.70	24.13	54.00	8.67	H
14483.000	39.80	-28.60	42.50	25.90	54.00	14.20	V
12658.000	35.78	-30.50	39.10	27.18	54.00	18.22	V
8997.000	33.37	-33.30	38.20	28.47	54.00	20.63	V
7992.000	31.82	-34.80	37.10	29.52	54.00	22.18	V
2485.100	50.95	-20.00	28.30	42.75	54.00	3.05	H

Test graphs as below:

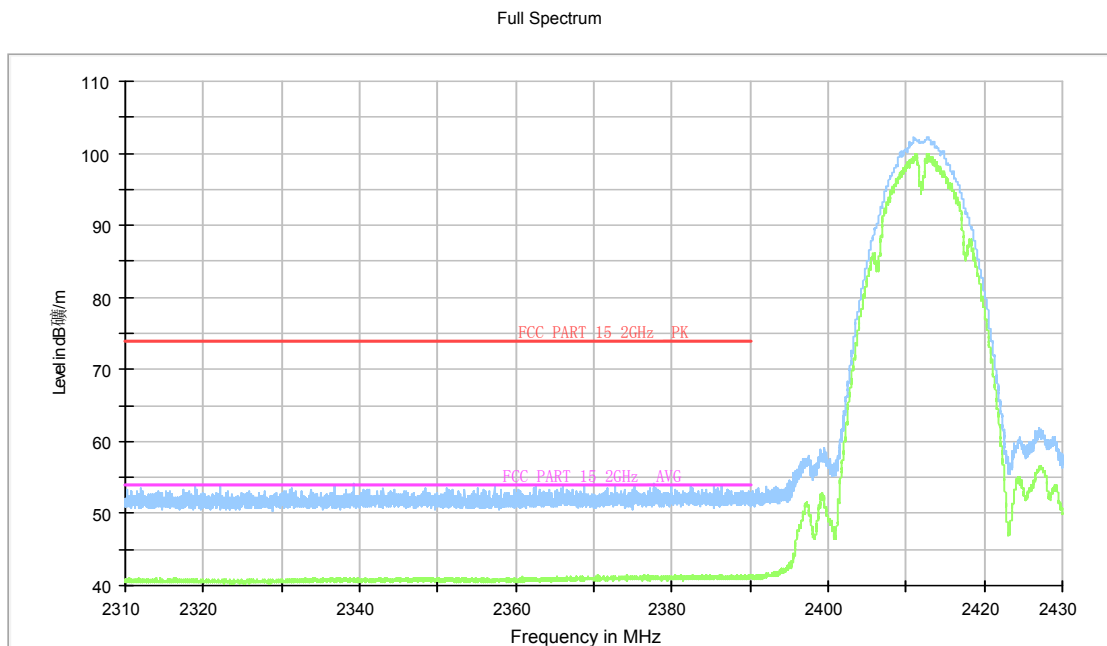


Fig.A.6.2.1 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch1, 2.31 GHz – 2.45GHz

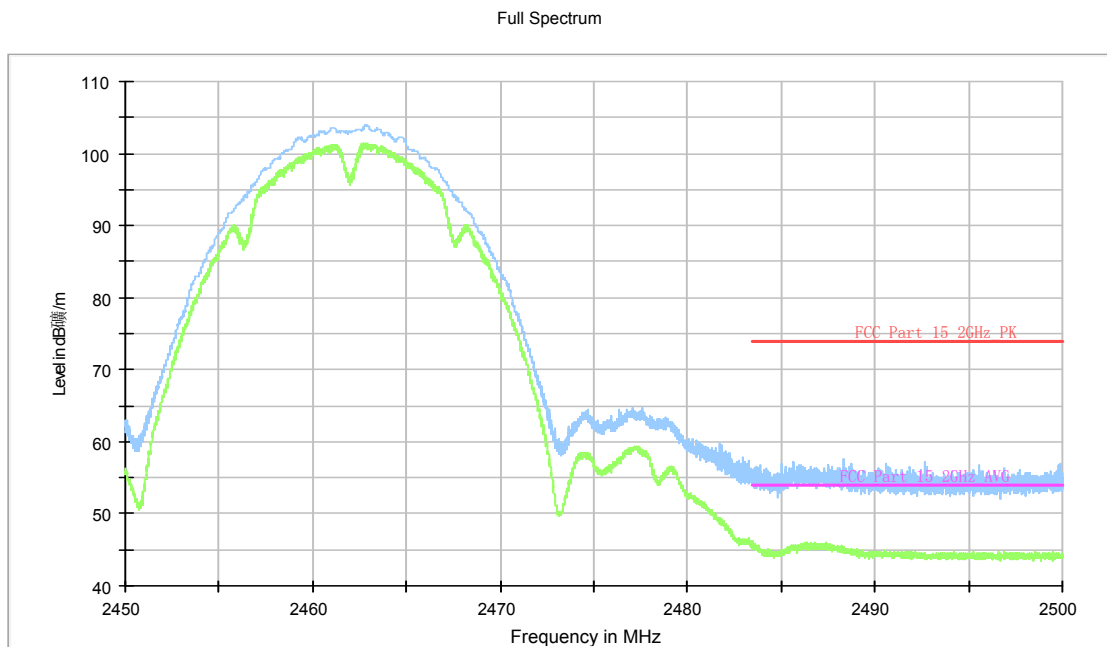


Fig.A.6.2.2 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz

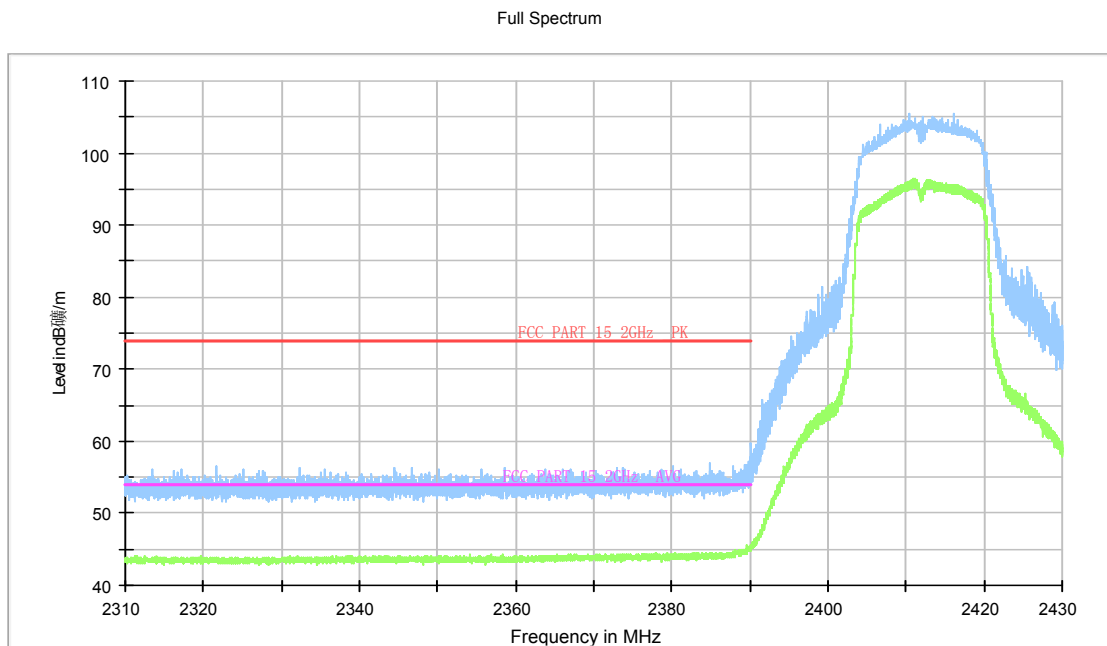


Fig.A.6.2.3 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch1, 2.31 GHz - 2.45GHz

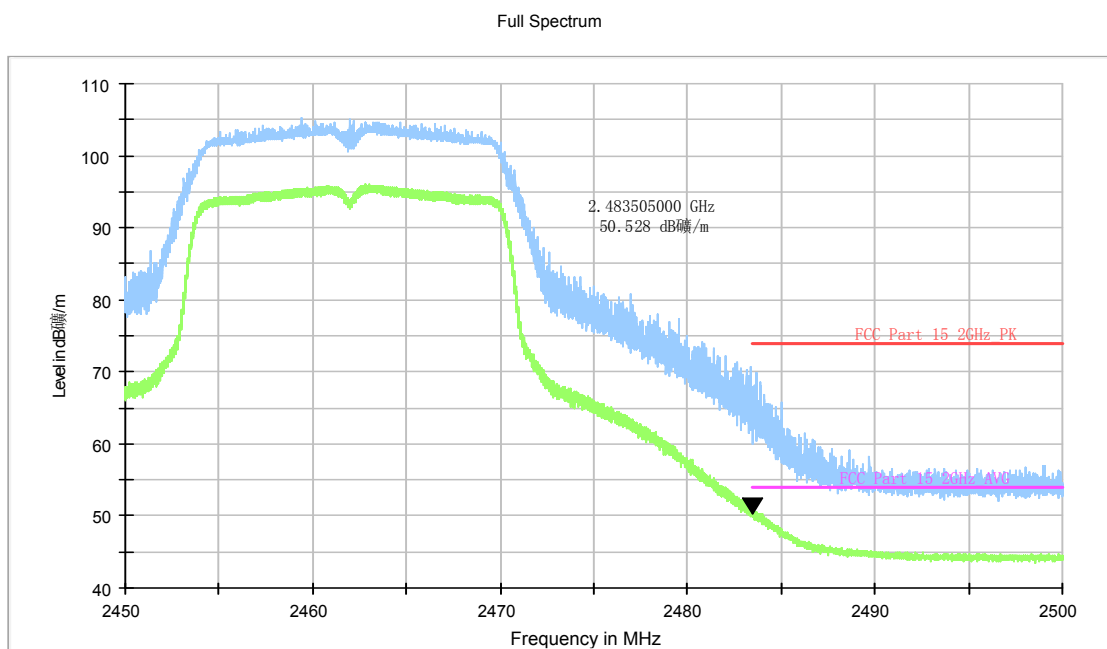
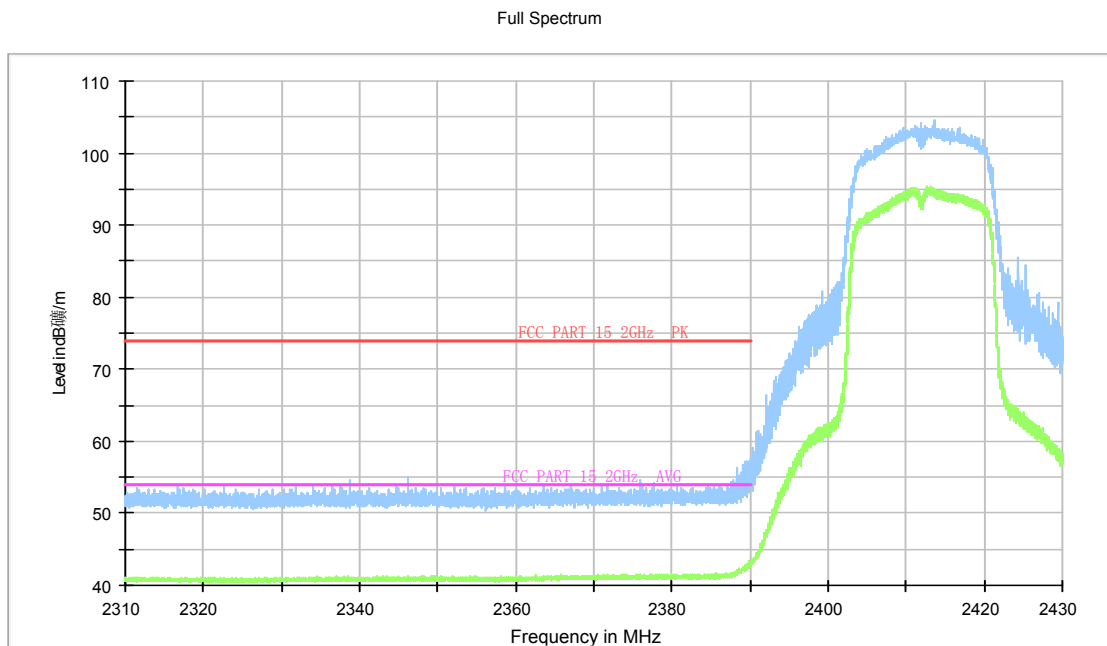
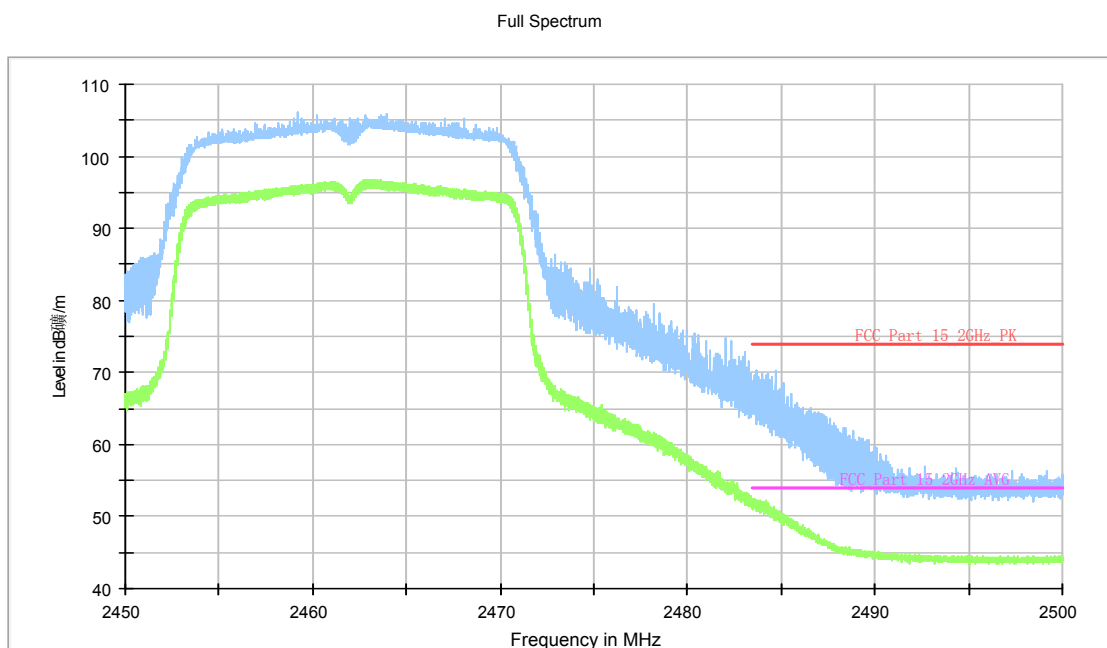


Fig.A.6.2.4 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz



**Fig.A.6.2.5 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch1,
2.31 GHz - 2.45GHz**



**Fig.A.6.2.6 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch11,
2.45 GHz - 2.50GHz**

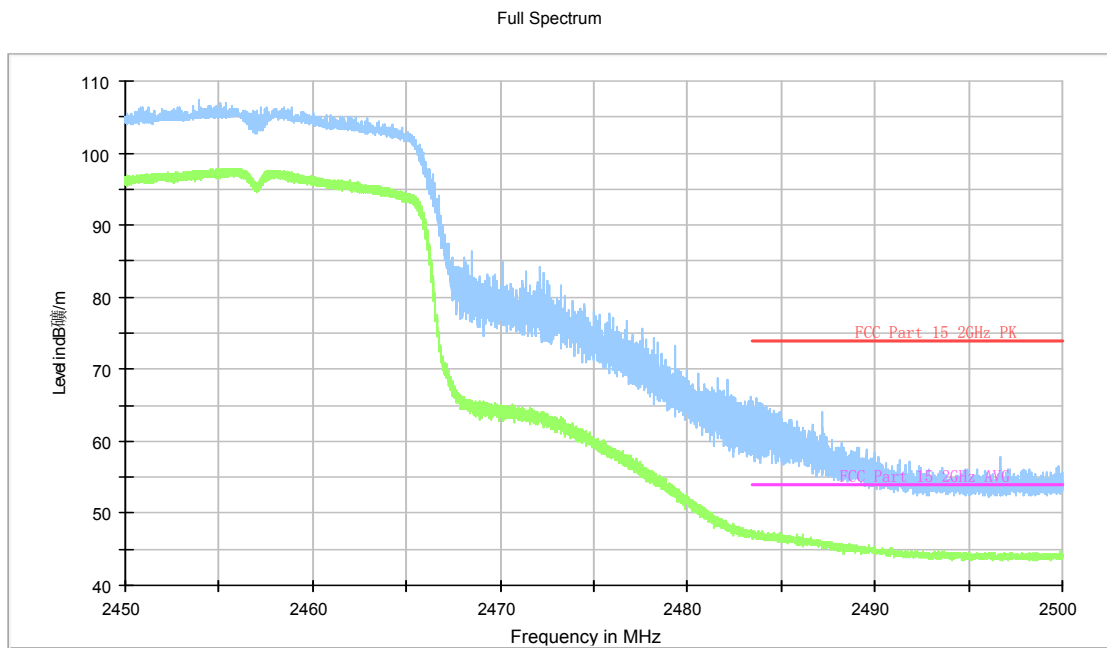


Fig.A.6.2.7 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch10, 2.45 GHz - 2.50GHz

A.7. AC Power-line Conducted Emission

Method of Measurement:

See Clause 6.2 of ANSI C63.10-2013 specifically.

See Clause 4 and Clause 5 of ANSI C63.10-2013 generally.

The conducted emissions from the AC port of the EUT are measured in a shielding room. The EUT is connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection was performed. The measurements were performed with a quasi-peak detector and if required, an average detector.

The conducted emission measurements were made with the following detector of the test receiver: Quasi-Peak / Average Detector.

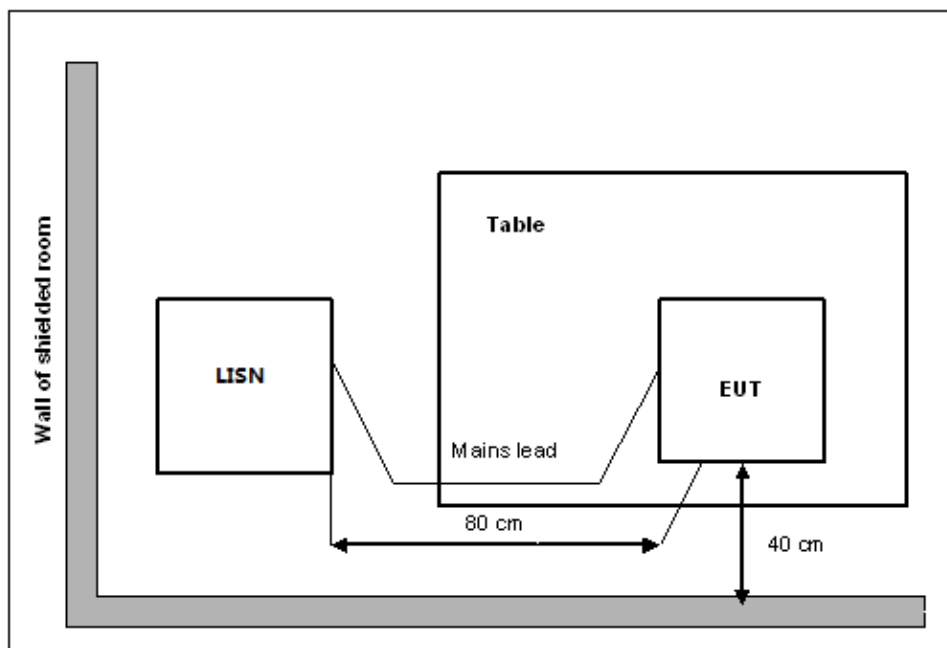
The measurement bandwidth is:

Frequency of Emission (MHz)	RBW/IF bandwidth
0.15-30	9kHz

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Setup



Measurement Result and limit:
WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11b	Idle	
0.15 to 0.5	66 to 56	Fig.A.7.1	Fig.A.7.2	P
0.5 to 5	56			
5 to 30	60			

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 (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11b	Idle	
0.15 to 0.5	56 to 46	Fig.A.7.1	Fig.A.7.2	P
0.5 to 5	46			
5 to 30	50			

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

Conclusion: Pass

Test graphs as below:

Result for Traffic:

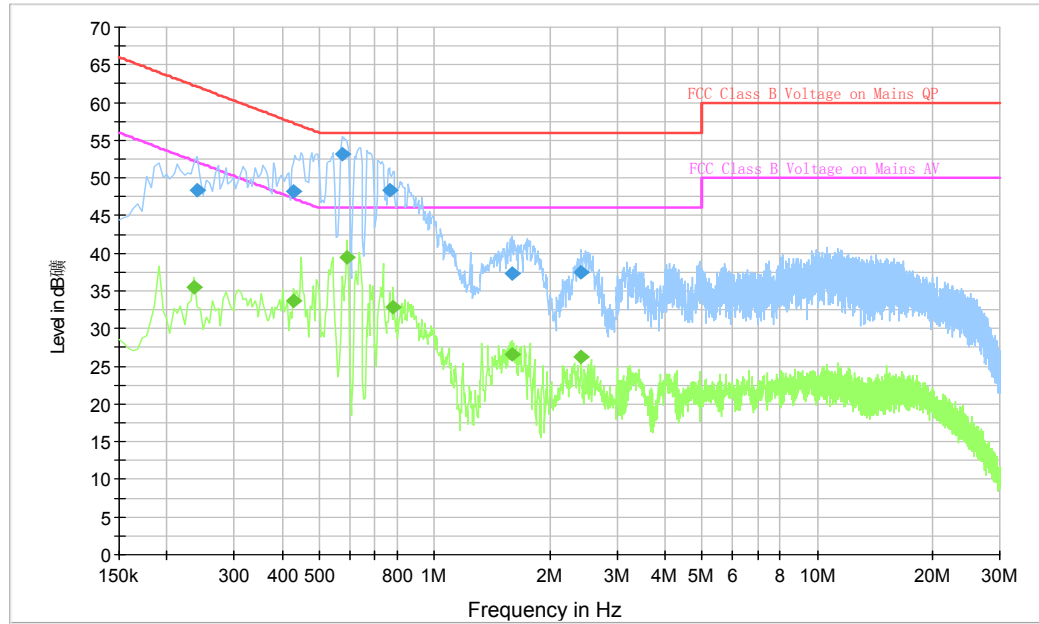


Fig.A.7.1 AC Powerline Conducted Emission-802.11b

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.240000	48.4	1000.	9.000	N	19.8	13.7	62.1
0.429000	48.2	1000.	9.000	L1	19.9	9.0	57.3
0.573000	53.2	1000.	9.000	N	19.9	2.8	56.0
0.762000	48.3	1000.	9.000	N	19.8	7.7	56.0
1.590000	37.3	1000.	9.000	L1	19.5	18.7	56.0
2.409000	37.5	1000.	9.000	L1	19.5	18.5	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.235500	35.4	1000.0	9.000	N	19.8	16.8	52.3
0.429000	33.6	1000.0	9.000	N	19.9	13.6	47.3
0.591000	39.4	1000.0	9.000	N	19.9	6.6	46.0
0.780000	32.9	1000.0	9.000	L1	19.7	13.1	46.0
1.594500	26.5	1000.0	9.000	N	19.8	19.5	46.0
2.422500	26.2	1000.0	9.000	N	19.8	19.8	46.0

Result for Idle:

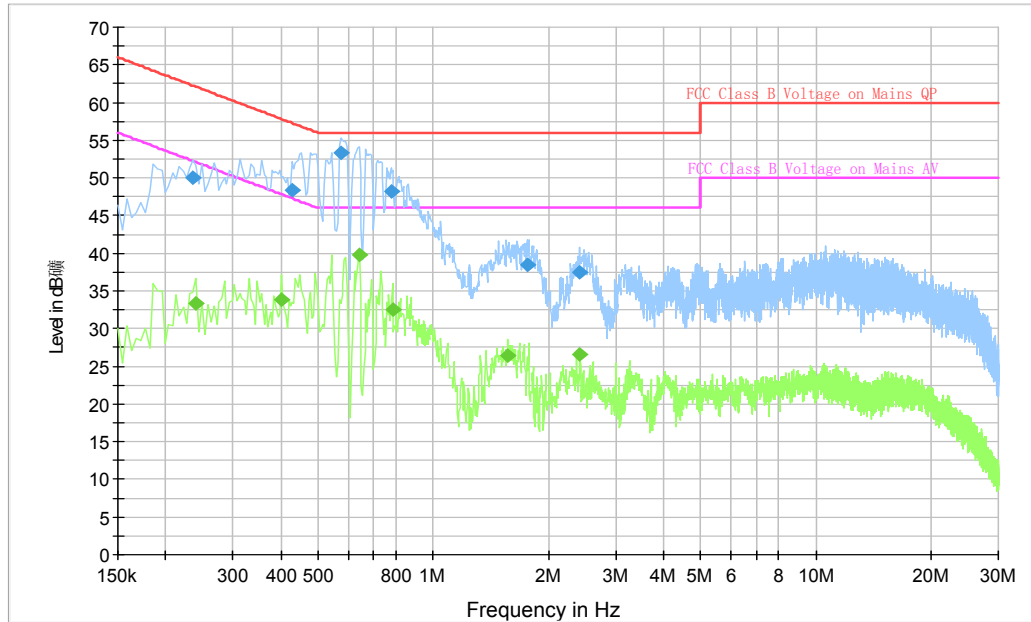


Fig.A.7.2 AC Powerline Conducted Emission-Idle

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.235500	50.0	1000.	9.000	N	19.8	12.2	62.3
0.429000	48.3	1000.	9.000	N	19.9	8.9	57.3
0.573000	53.3	1000.	9.000	N	19.9	2.7	56.0
0.775500	48.2	1000.	9.000	N	19.8	7.8	56.0
1.765500	38.5	1000.	9.000	L1	19.5	17.5	56.0
2.409000	37.4	1000.	9.000	L1	19.5	18.6	56.0

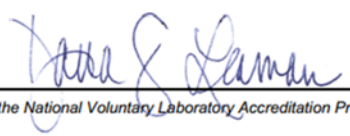
Final Result 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.240000	33.4	1000.0	9.000	L1	20.0	18.7	52.1
0.402000	33.8	1000.0	9.000	L1	19.9	14.0	47.8
0.640500	39.7	1000.0	9.000	N	19.8	6.3	46.0
0.784500	32.5	1000.0	9.000	N	19.8	13.5	46.0
1.567500	26.4	1000.0	9.000	L1	19.5	19.6	46.0
2.418000	26.6	1000.0	9.000	N	19.8	19.4	46.0

ANNEX B: EUT parameters

Disclaimer: The worse case provided by the client may affect the validity of the measurement results in this report, and the client shall bear the impact and consequences arising therefrom.

ANNEX C: Accreditation Certificate

United States Department of Commerce National Institute of Standards and Technology NVLAP[®]  ilac-MRA	
Certificate of Accreditation to ISO/IEC 17025:2017	
NVLAP LAB CODE: 600118-0	
Telecommunication Technology Labs, CAICT Beijing China	
<i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i>	
Electromagnetic Compatibility & Telecommunications	
<i>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).</i>	
2020-09-29 through 2021-09-30 <i>Effective Dates</i>	 DEPARTMENT OF COMMERCE UNITED STATES OF AMERICA  For the National Voluntary Laboratory Accreditation Program

END OF REPORT