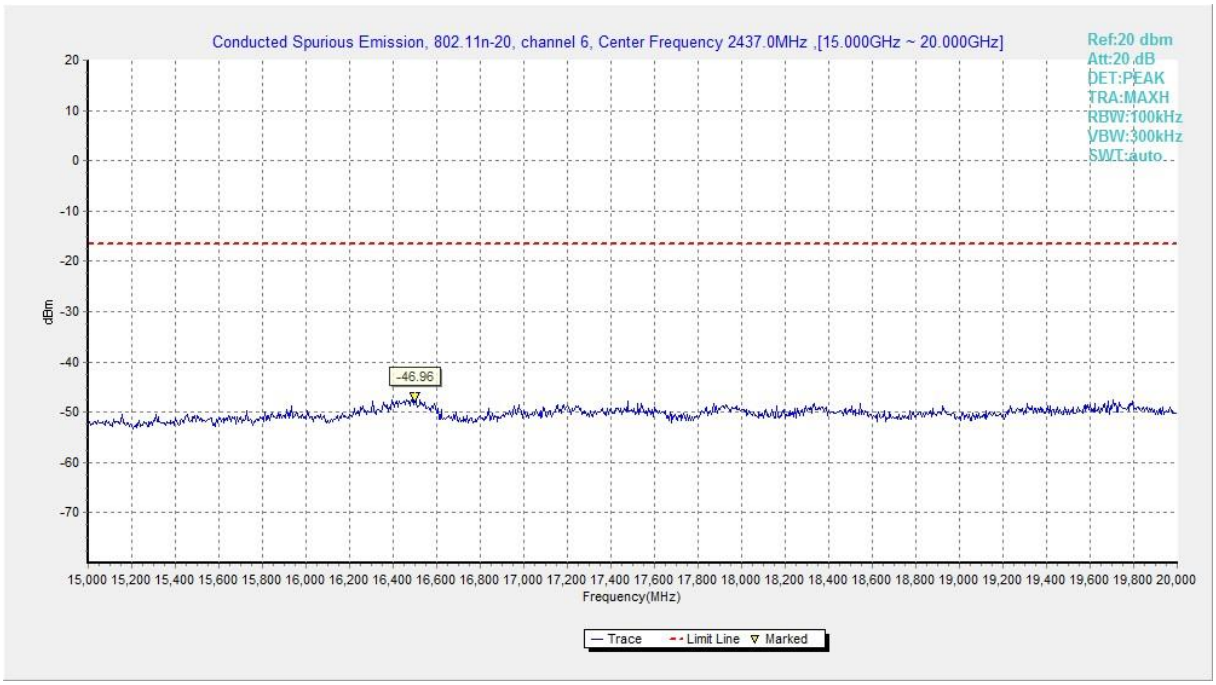

Fig.A.6.1.63 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 15 GHz-20 GHz)

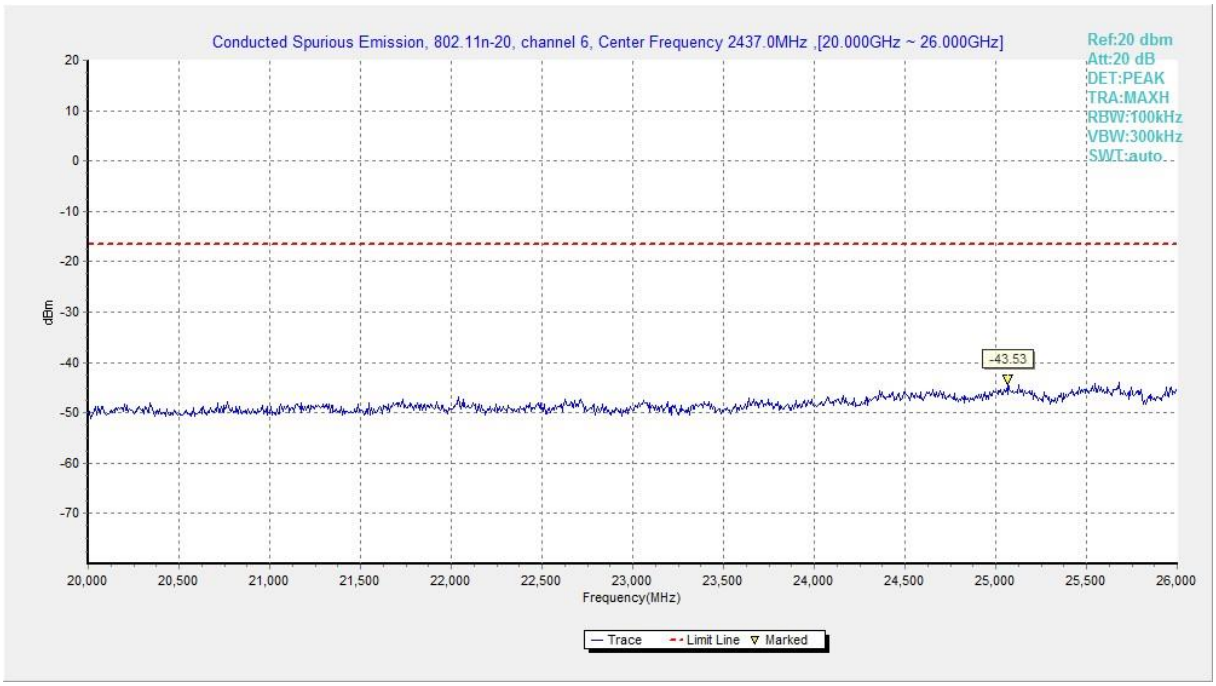

Fig.A.6.1.64 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 20 GHz-26 GHz)

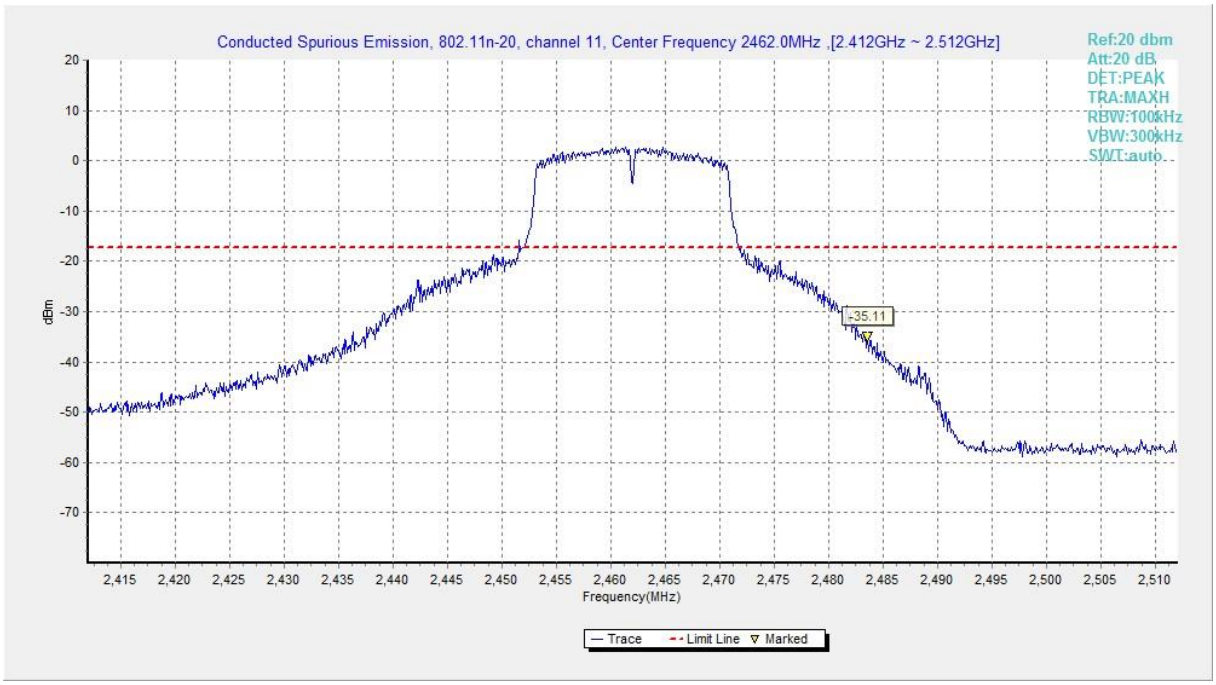

Fig.A.6.1.65 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, Center Frequency)

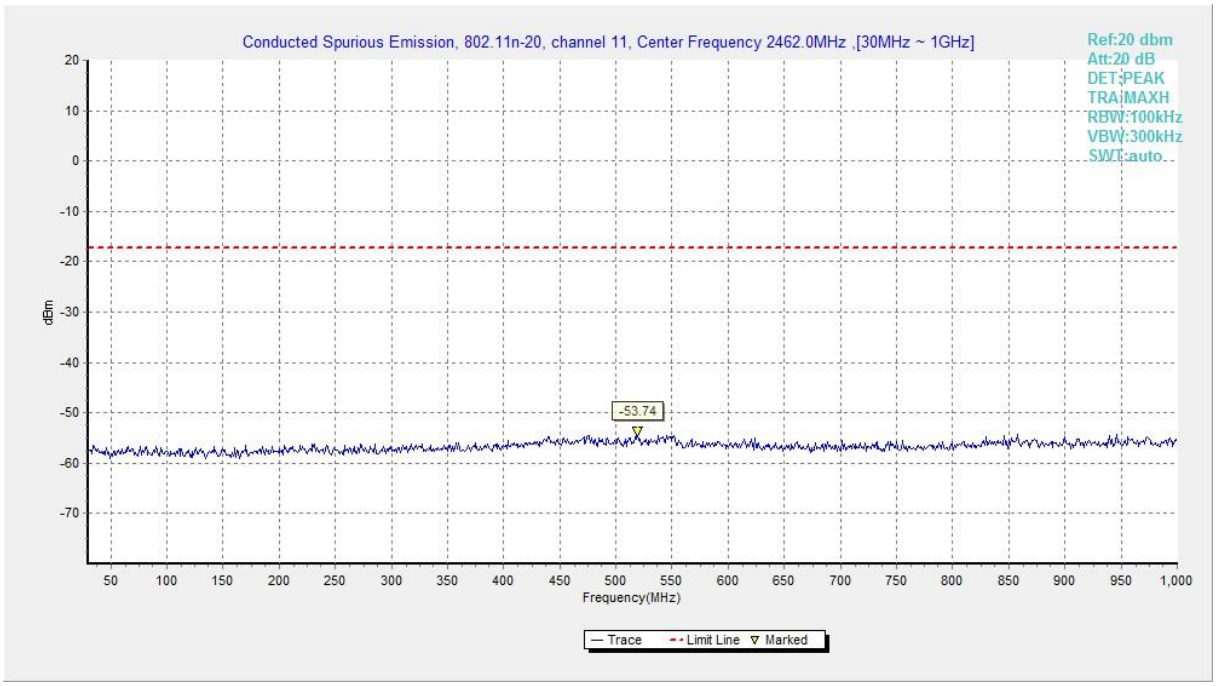

Fig.A.6.1.66 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 30 MHz-1 GHz)

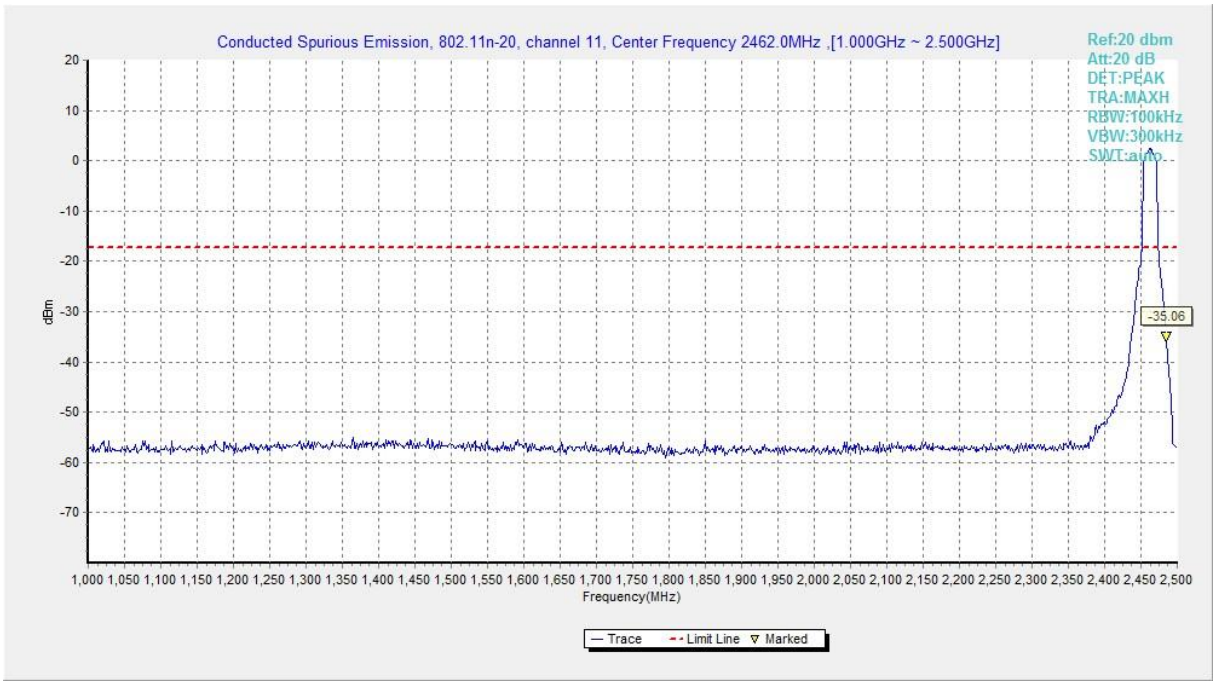

Fig.A.6.1.67 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 1 GHz-2.5 GHz)

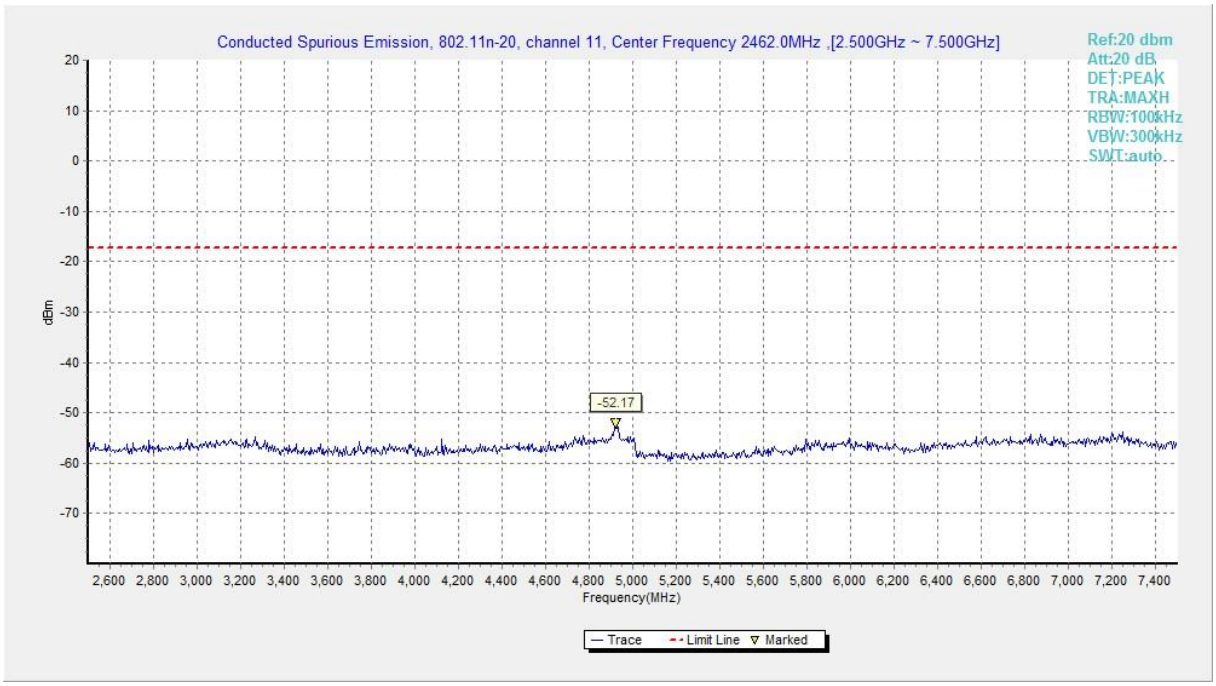

Fig.A.6.1.68 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 2.5 GHz-7.5 GHz)

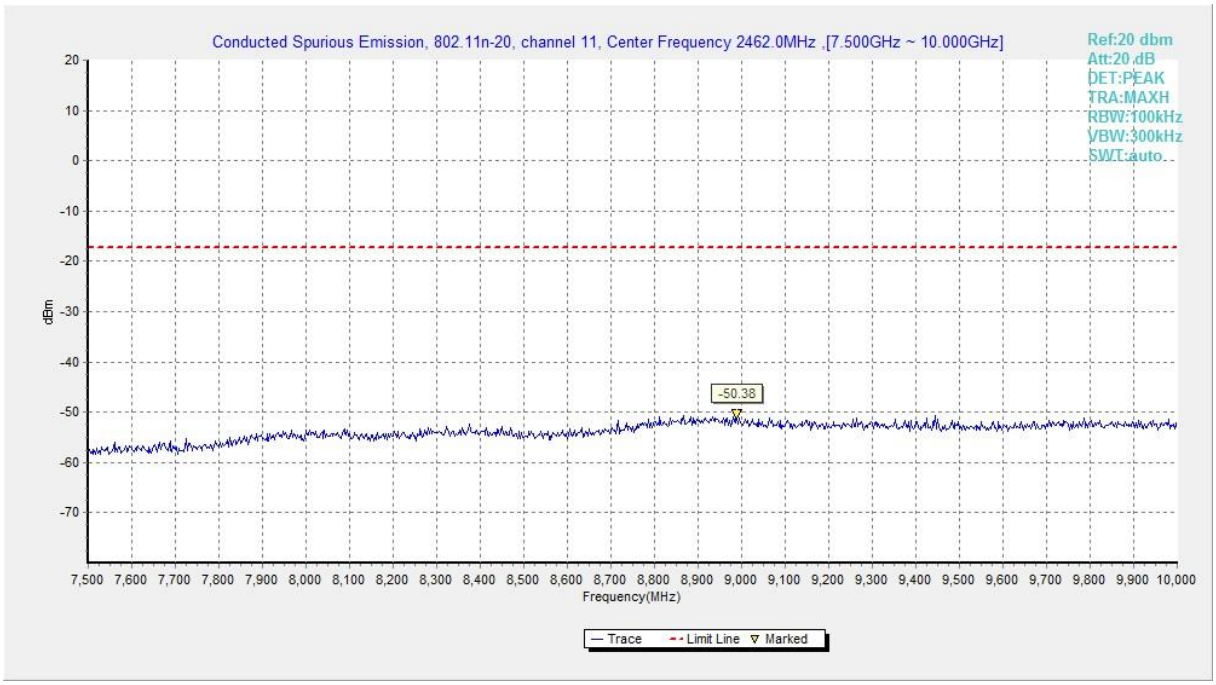

Fig.A.6.1.69 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 7.5 GHz-10 GHz)

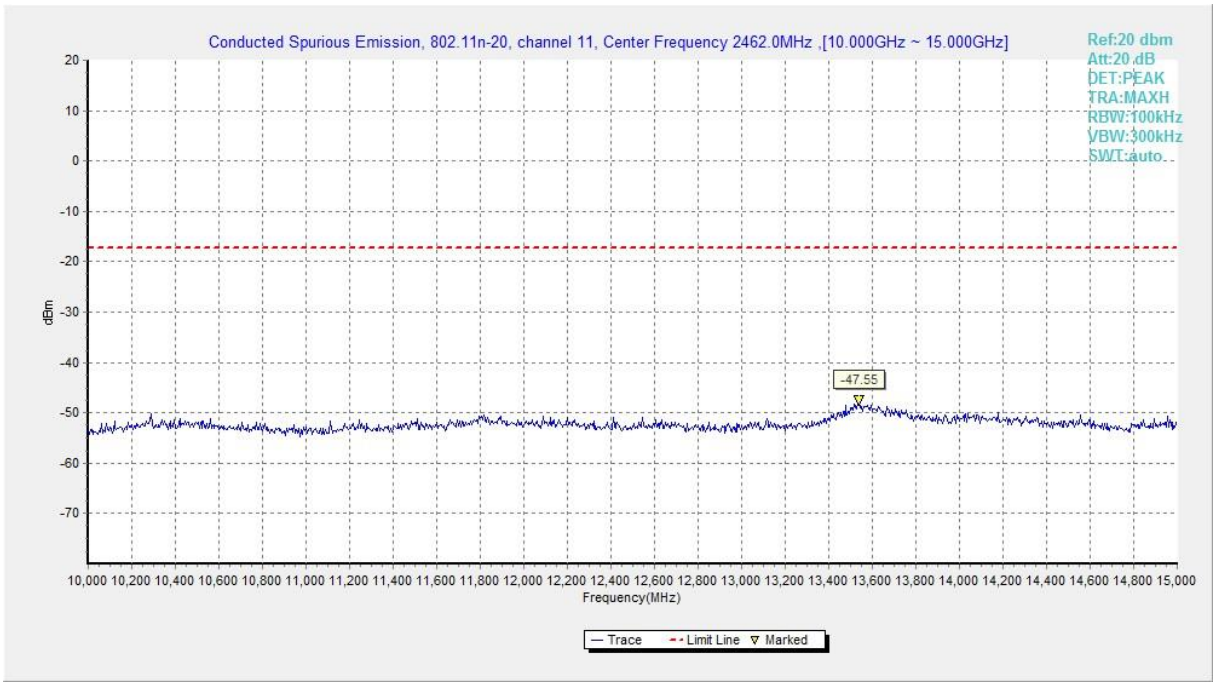

Fig.A.6.1.70 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 10 GHz-15 GHz)

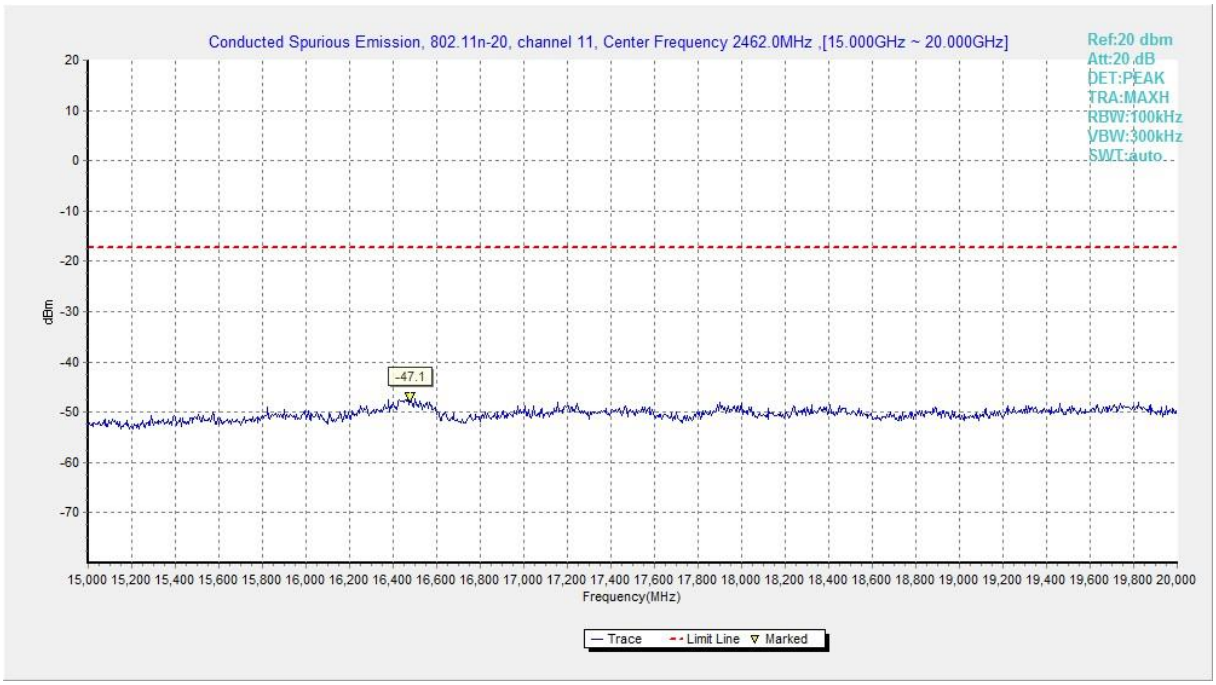

Fig.A.6.1.71 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 15 GHz-20 GHz)

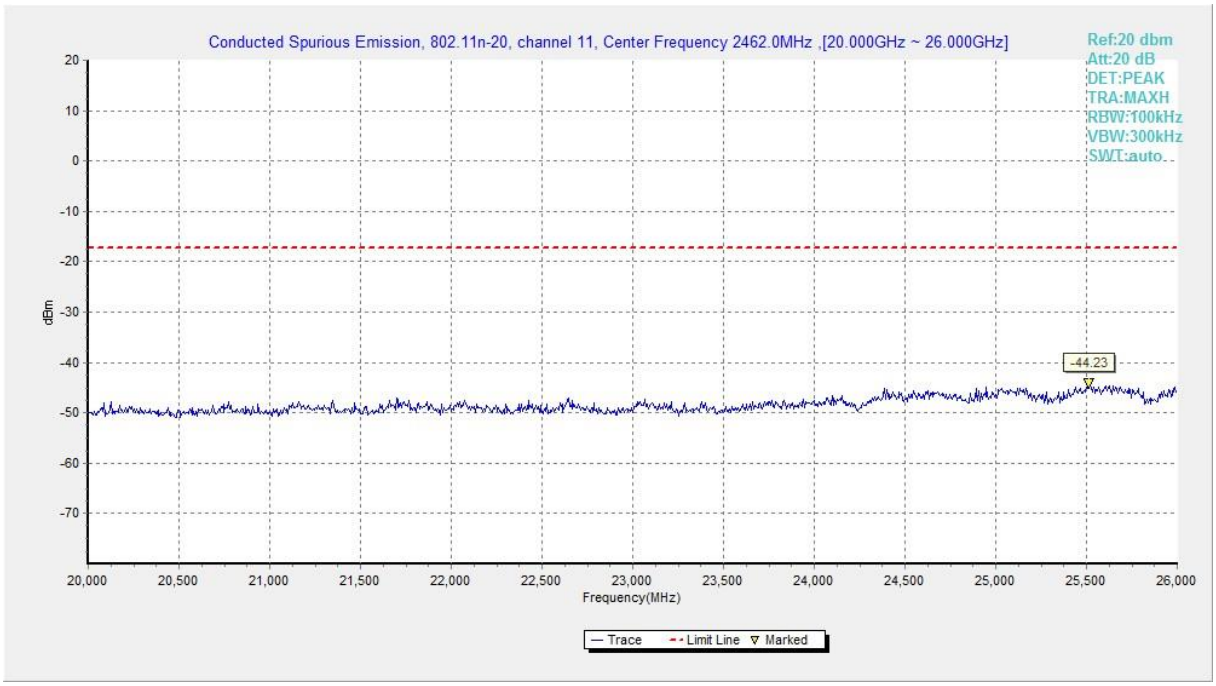

Fig.A.6.1.72 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 20 GHz-26 GHz)

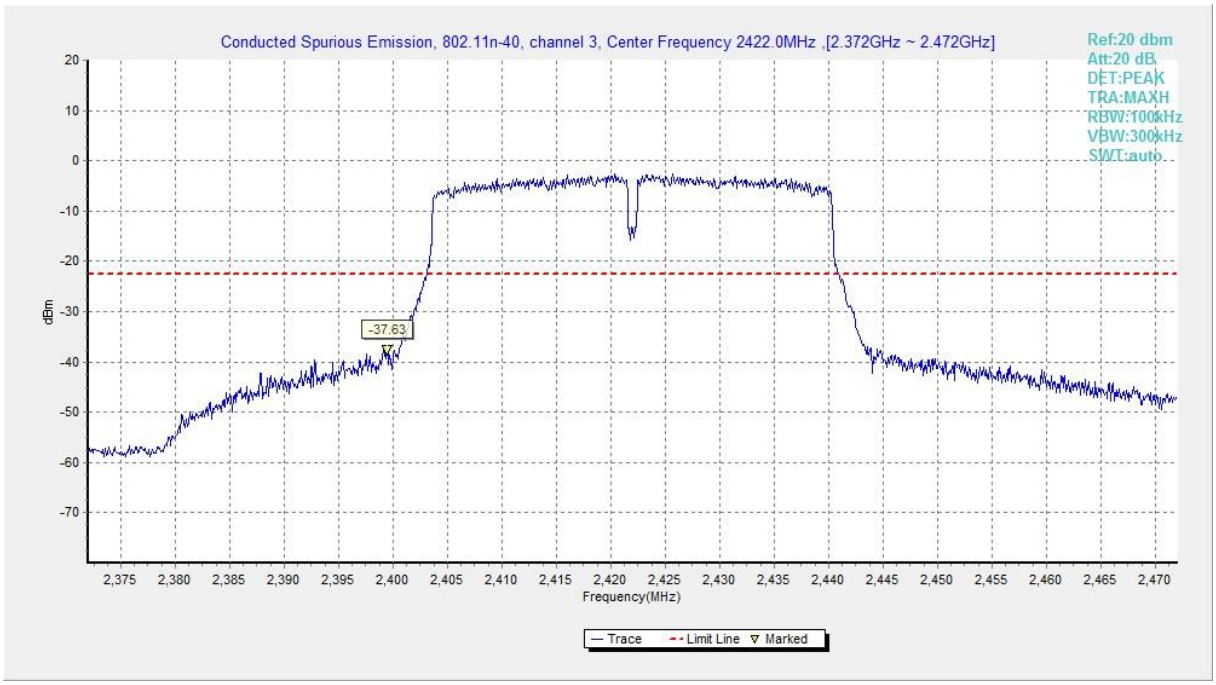

Fig.A.6.1.73 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, Center Frequency)

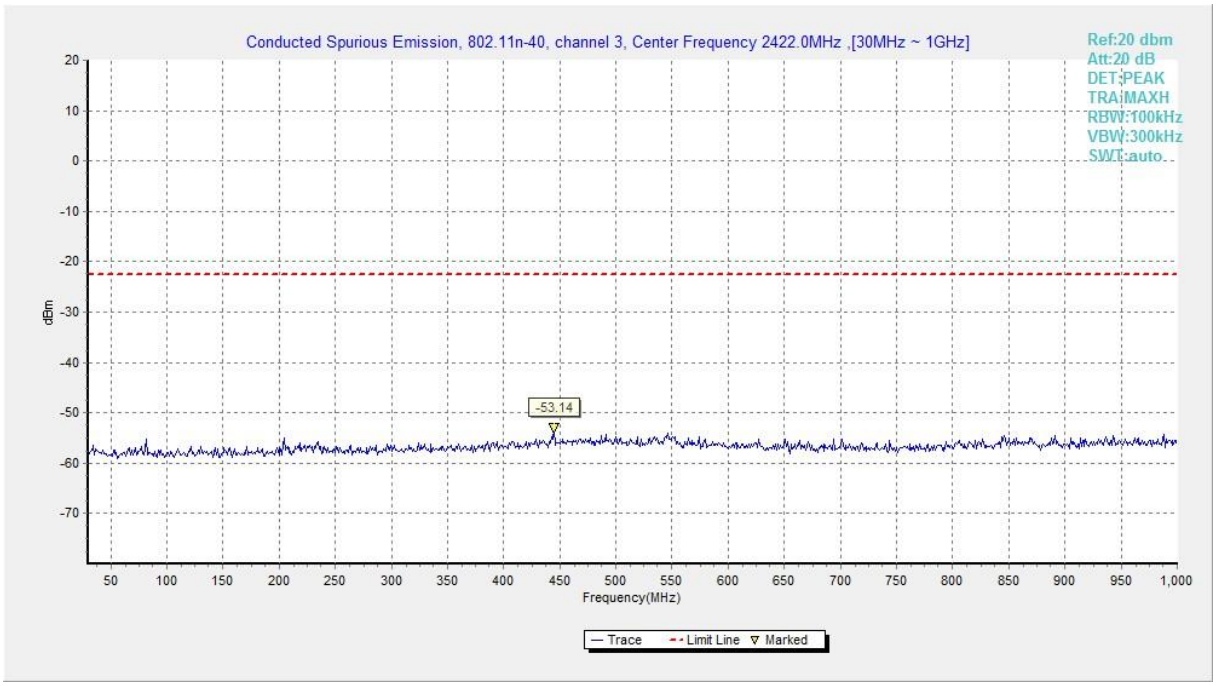

Fig.A.6.1.74 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 30 MHz-1 GHz)

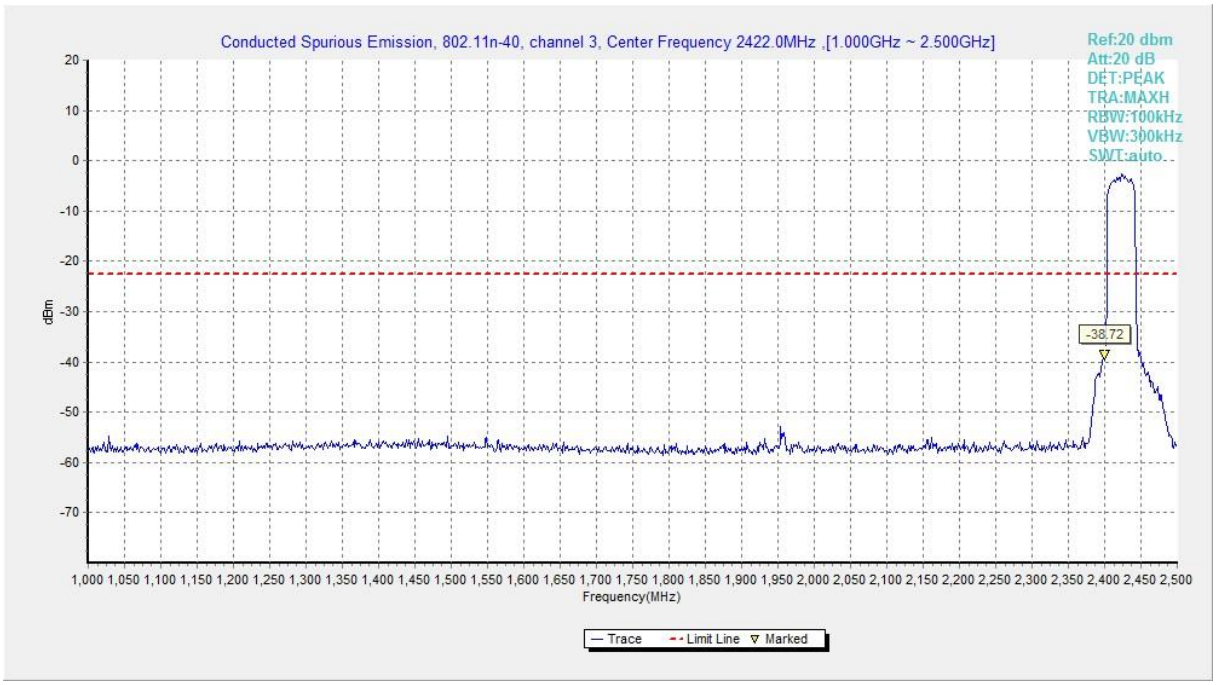

Fig.A.6.1.75 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 1 GHz-2.5 GHz)

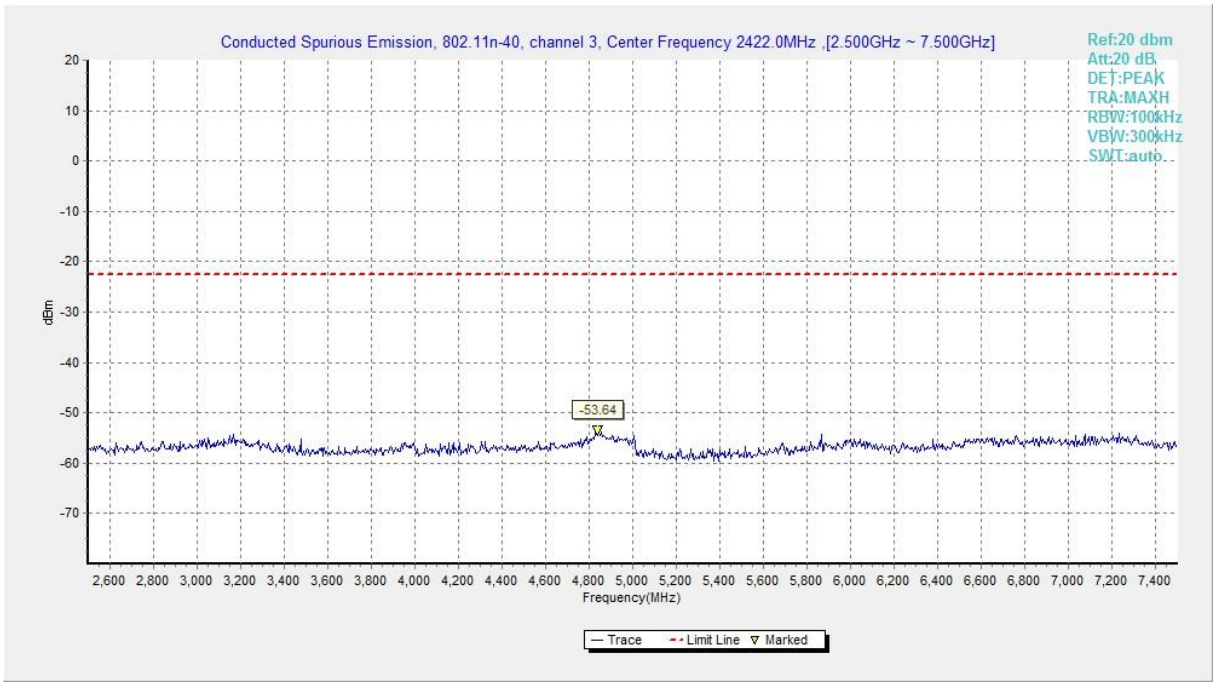

Fig.A.6.1.76 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 2.5 GHz-7.5 GHz)

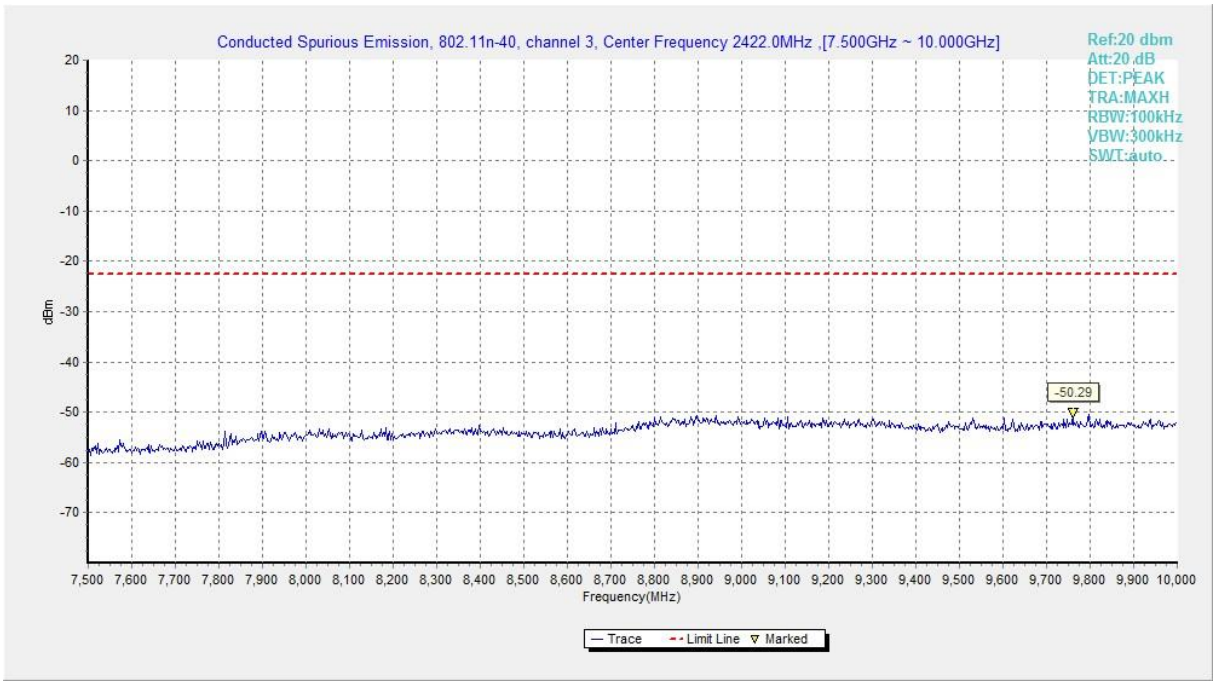

Fig.A.6.1.77 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 7.5 GHz-10 GHz)

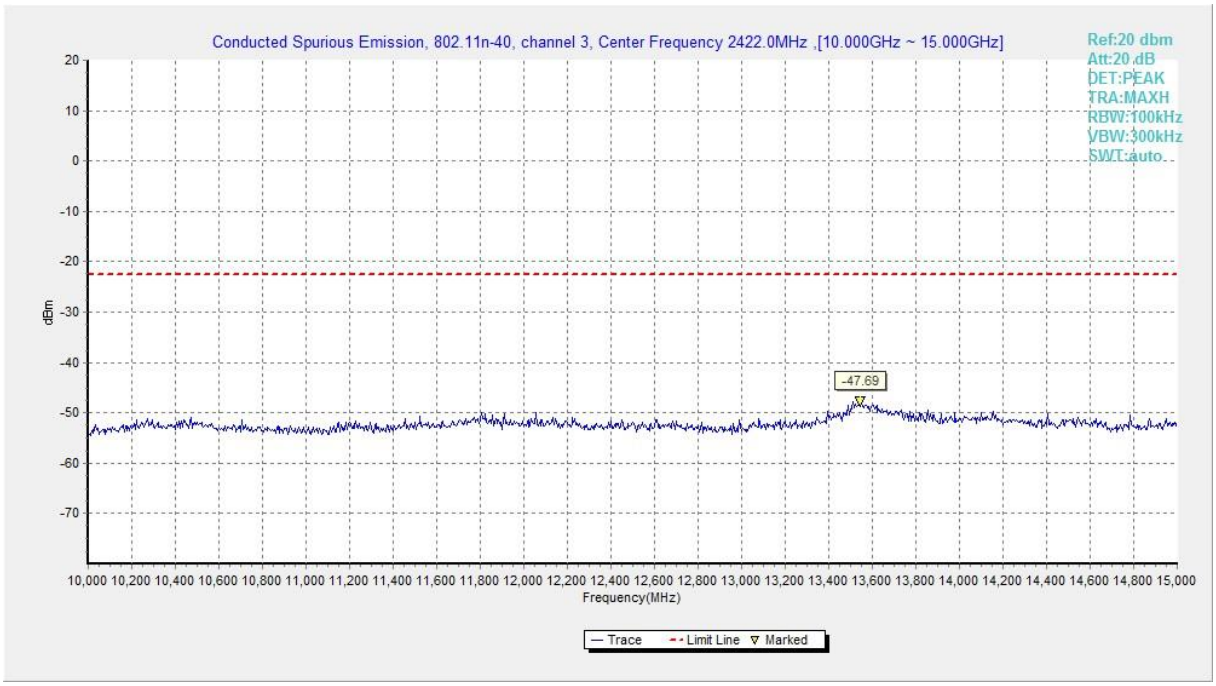

Fig.A.6.1.78 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 10 GHz-15 GHz)

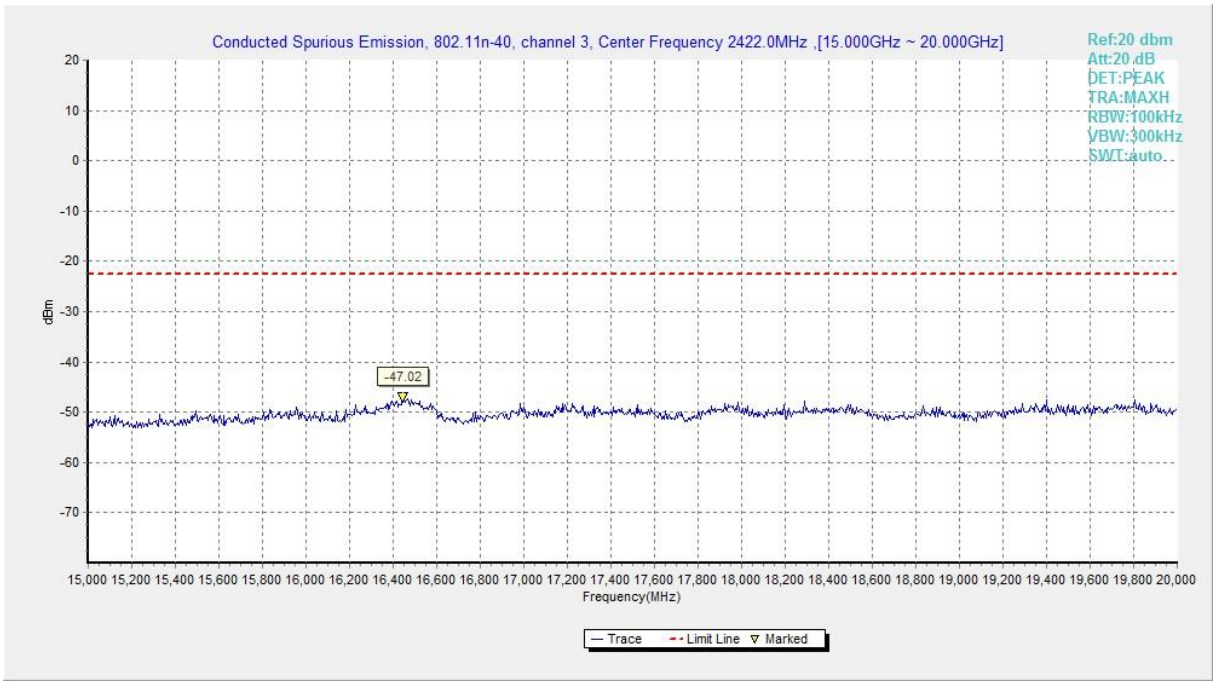

Fig.A.6.1.79 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 15 GHz-20 GHz)

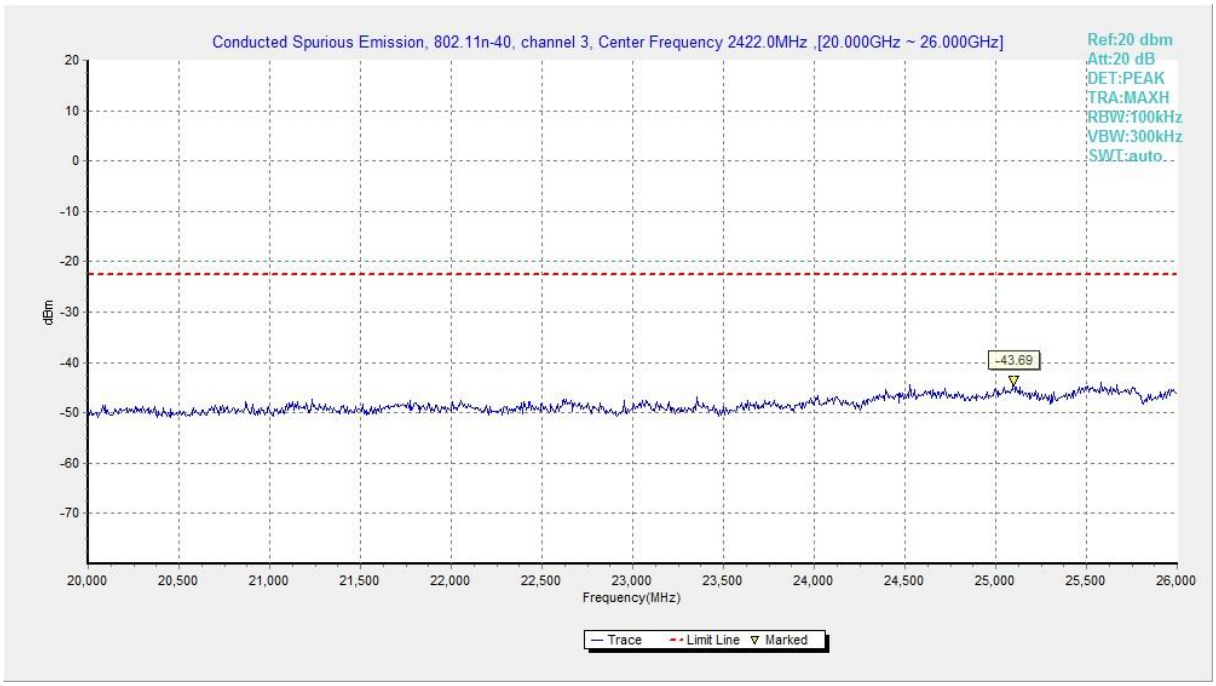

Fig.A.6.1.80 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch3, 20 GHz-26 GHz)

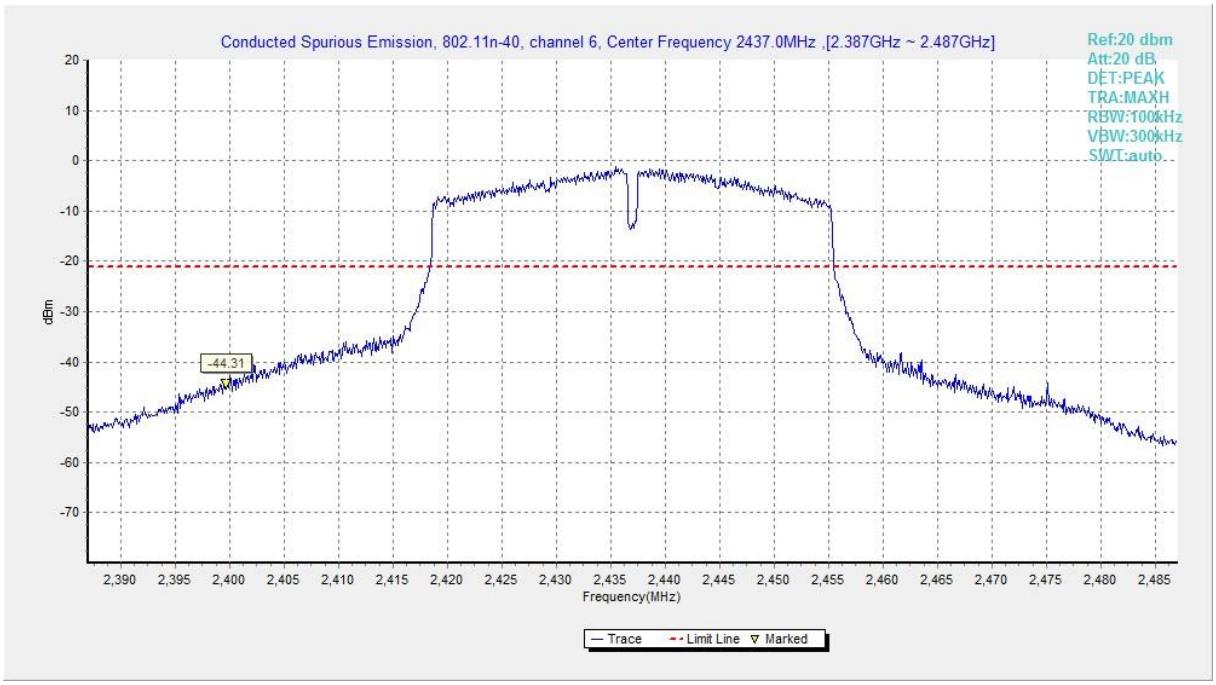

Fig.A.6.1.81 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, Center Frequency)

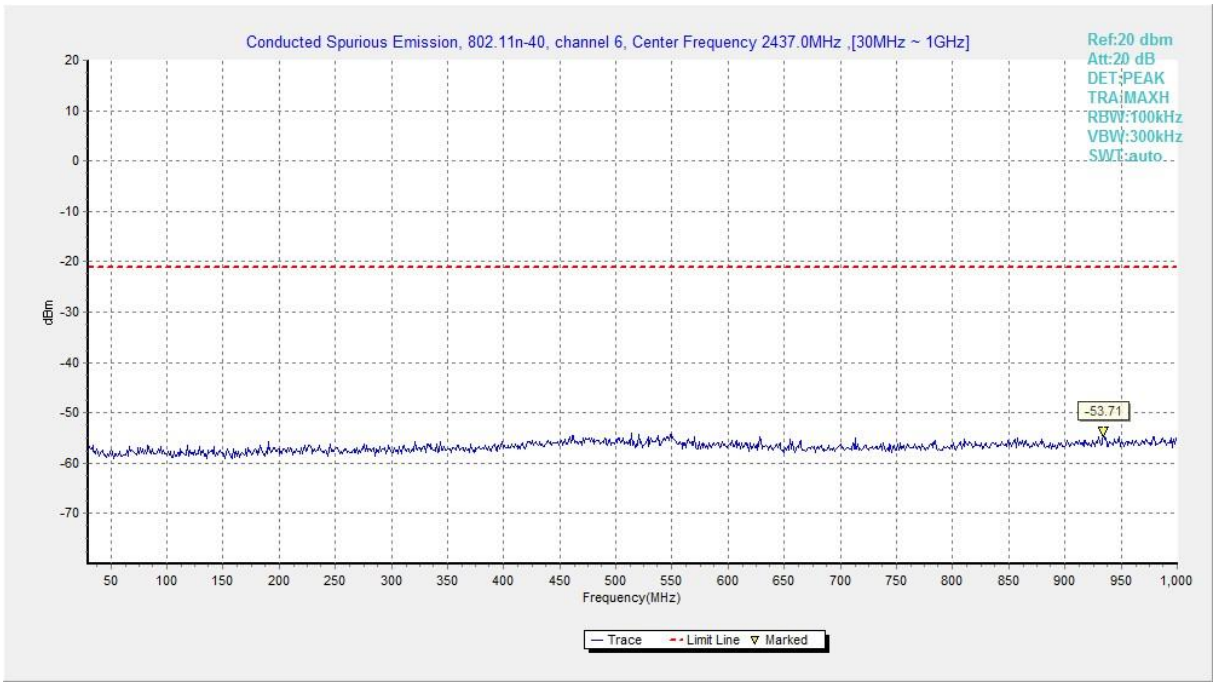

Fig.A.6.1.82 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 30 MHz-1 GHz)

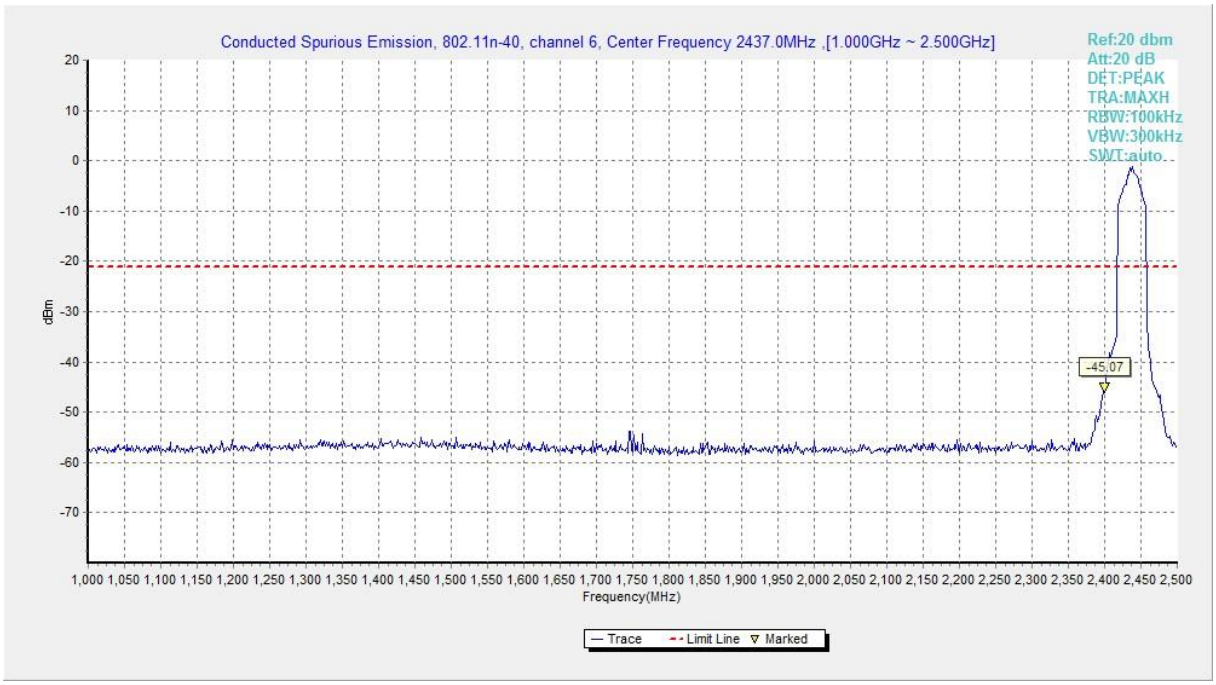

Fig.A.6.1.83 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 1 GHz-2.5 GHz)

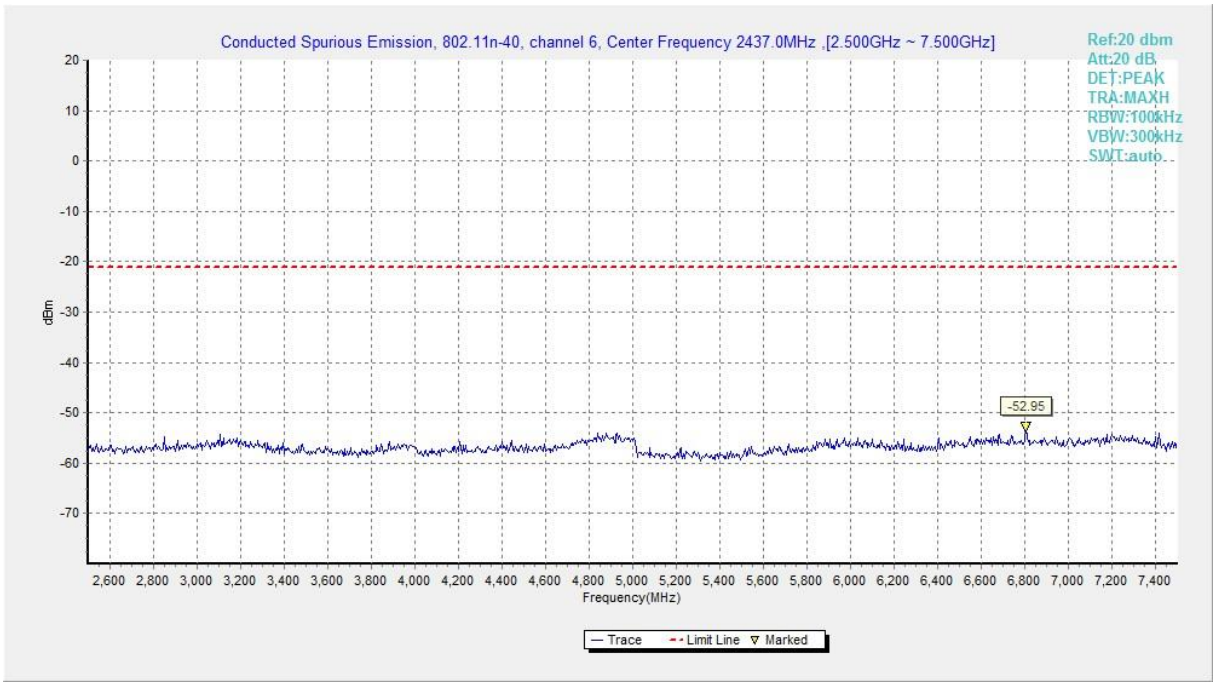

Fig.A.6.1.84 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 2.5 GHz-7.5 GHz)

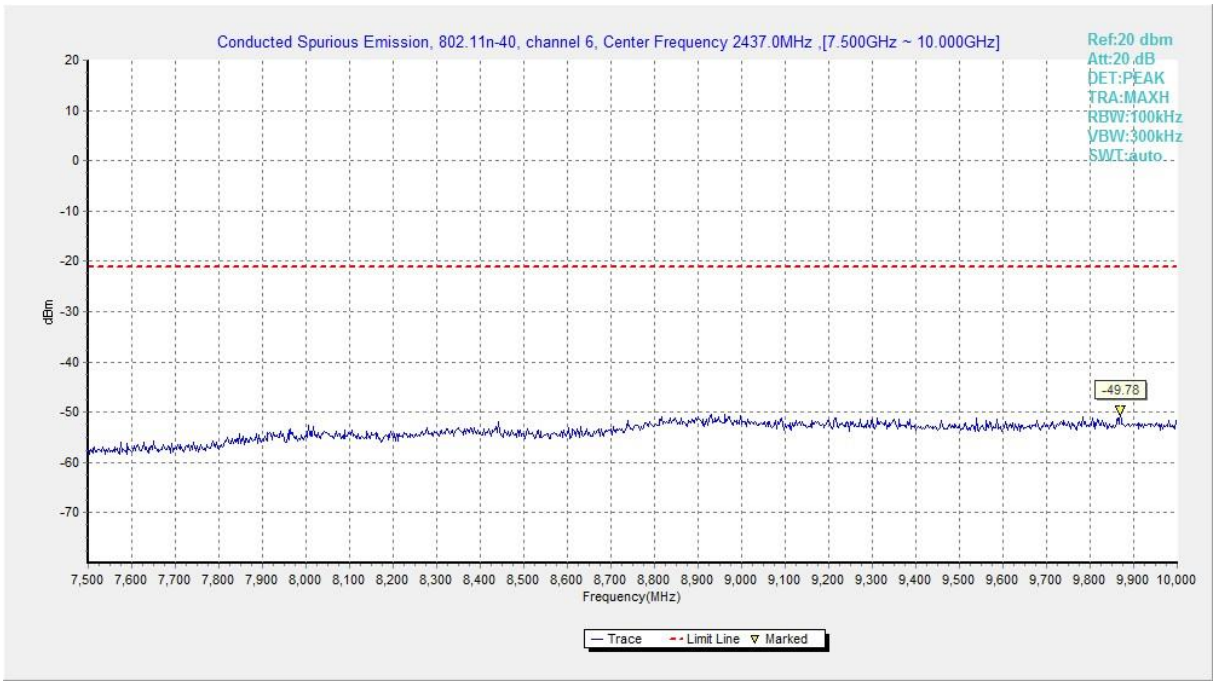

Fig.A.6.1.85 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 7.5 GHz-10 GHz)

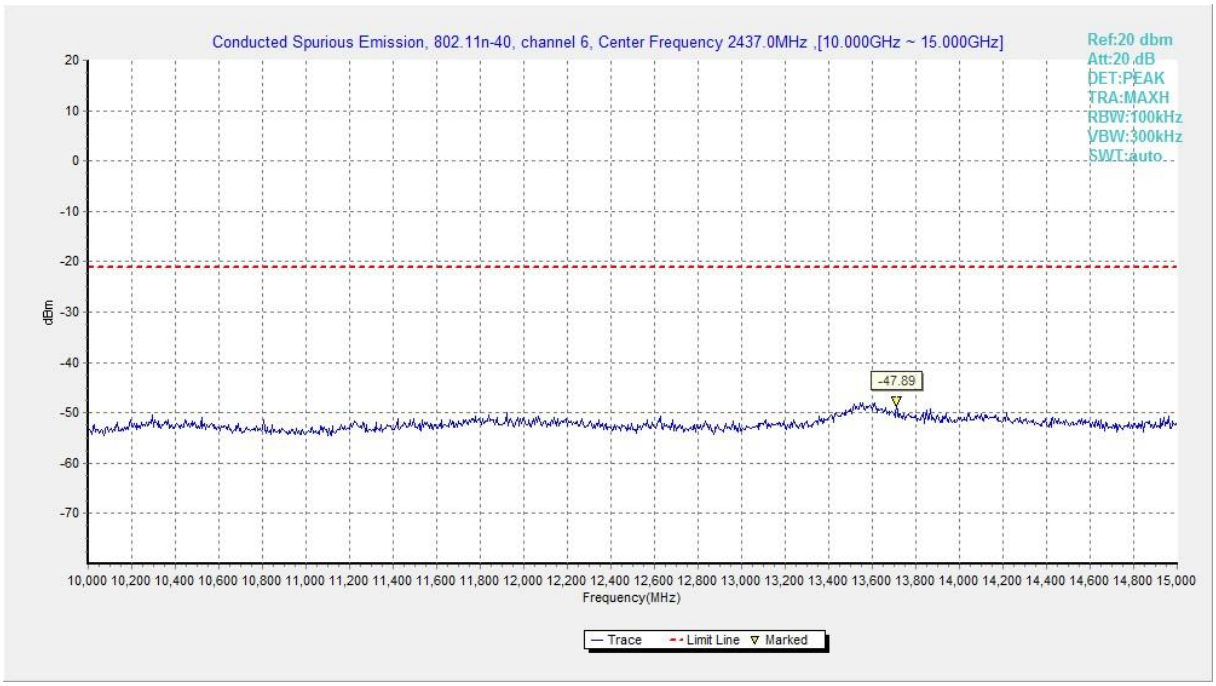

Fig.A.6.1.86 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 10 GHz-15 GHz)

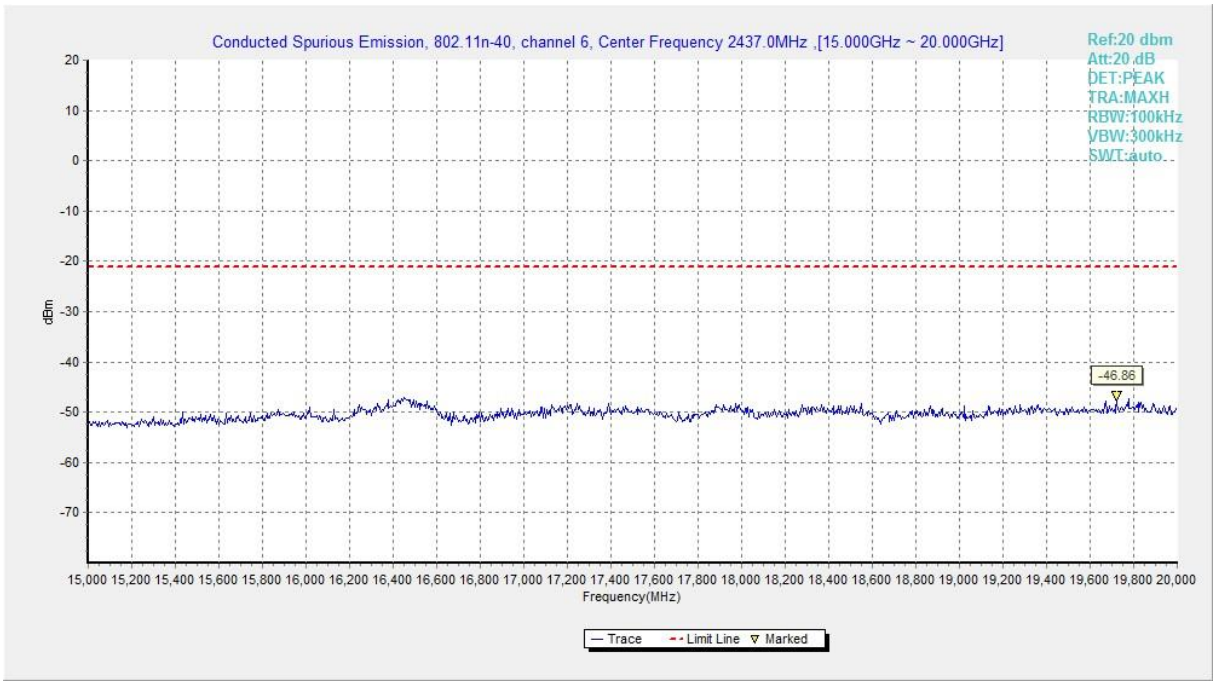

Fig.A.6.1.87 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 15 GHz-20 GHz)

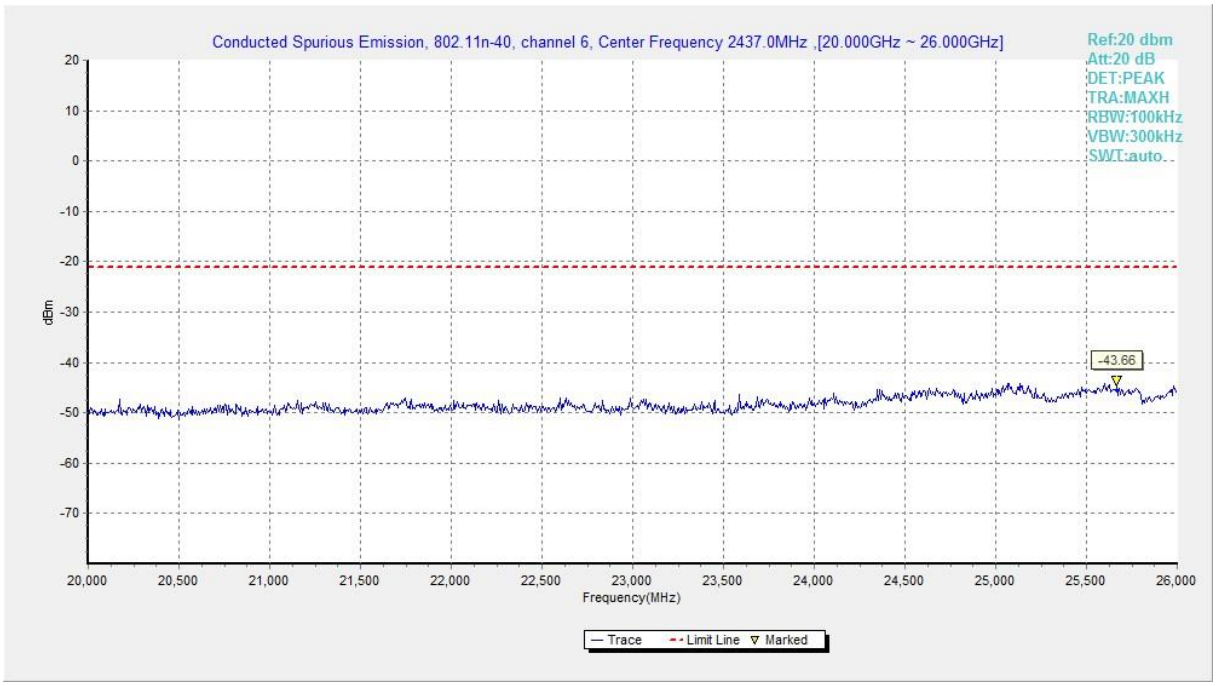

Fig.A.6.1.88 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch6, 20 GHz-26 GHz)

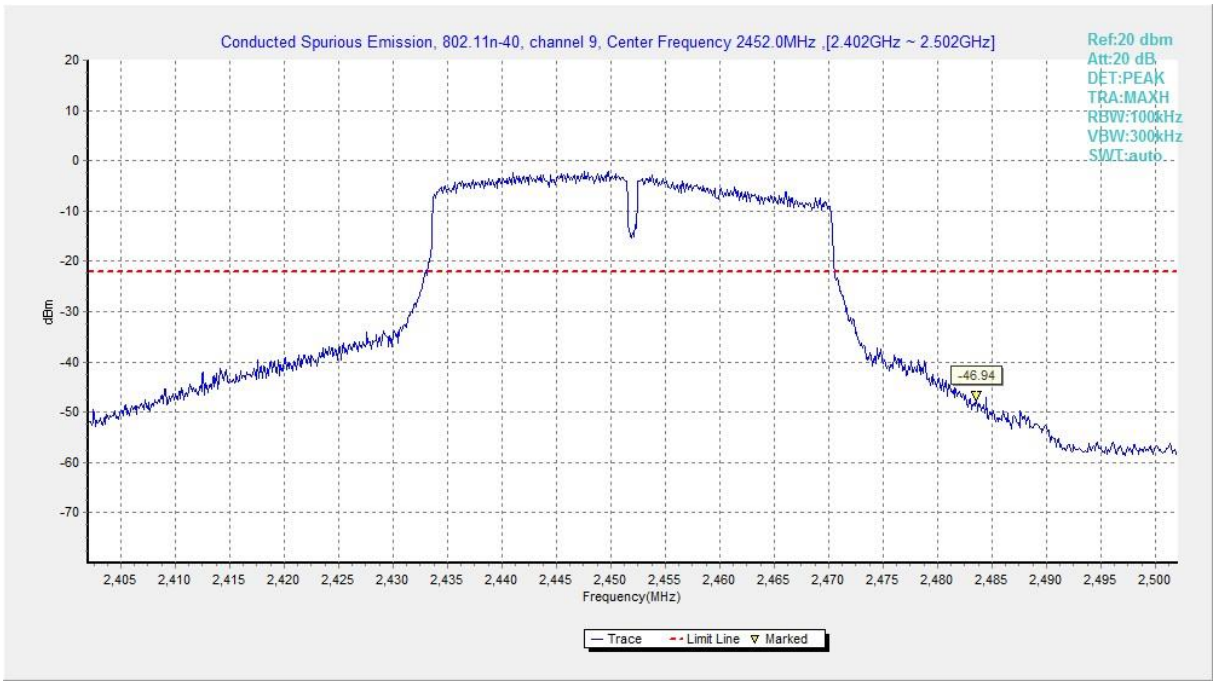

Fig.A.6.1.89 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, Center Frequency)

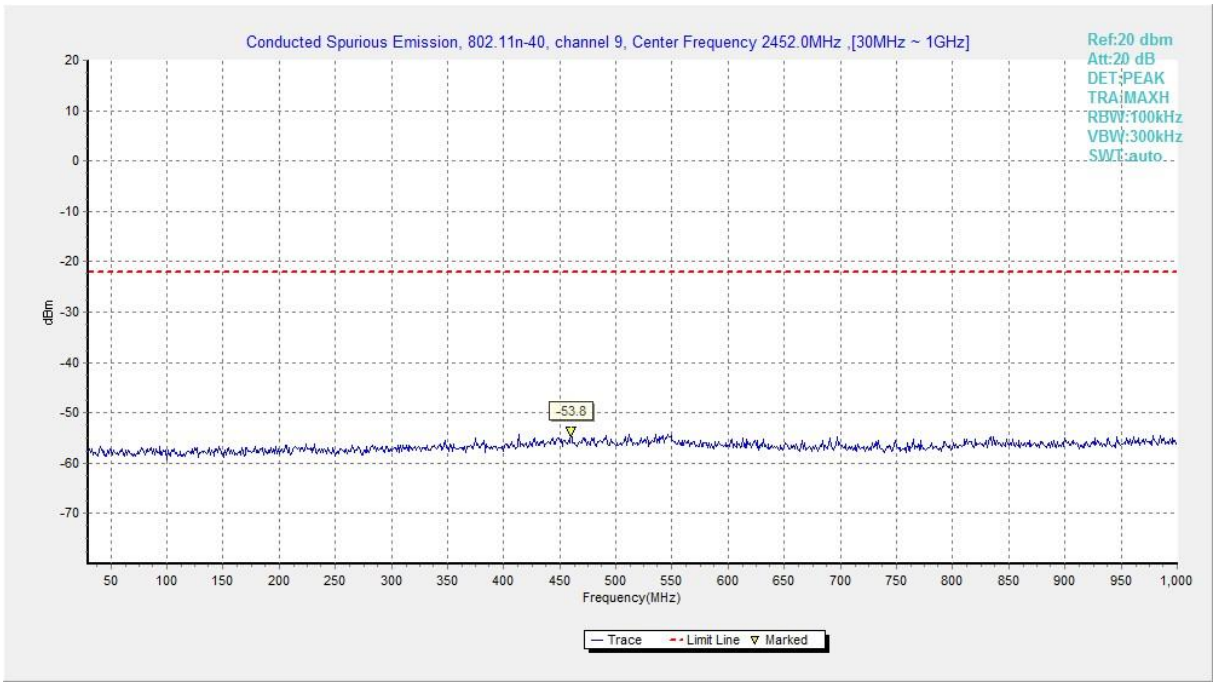

Fig.A.6.1.90 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 30 MHz-1 GHz)

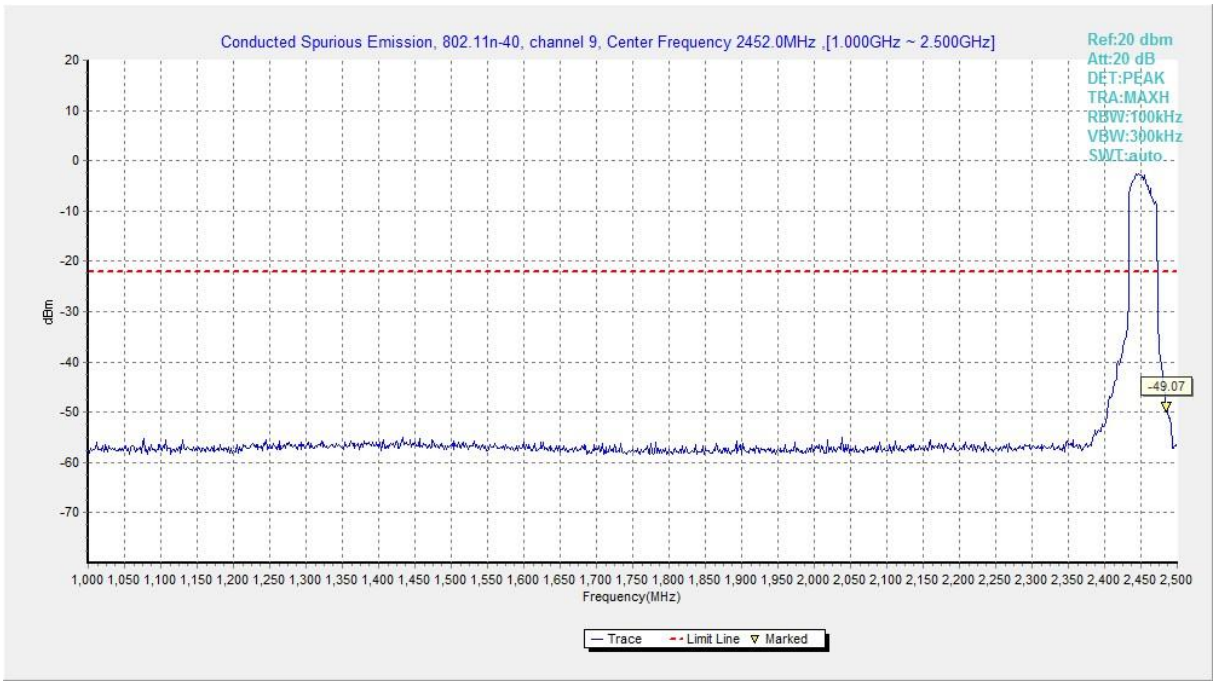

Fig.A.6.1.91 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 1 GHz-2.5 GHz)

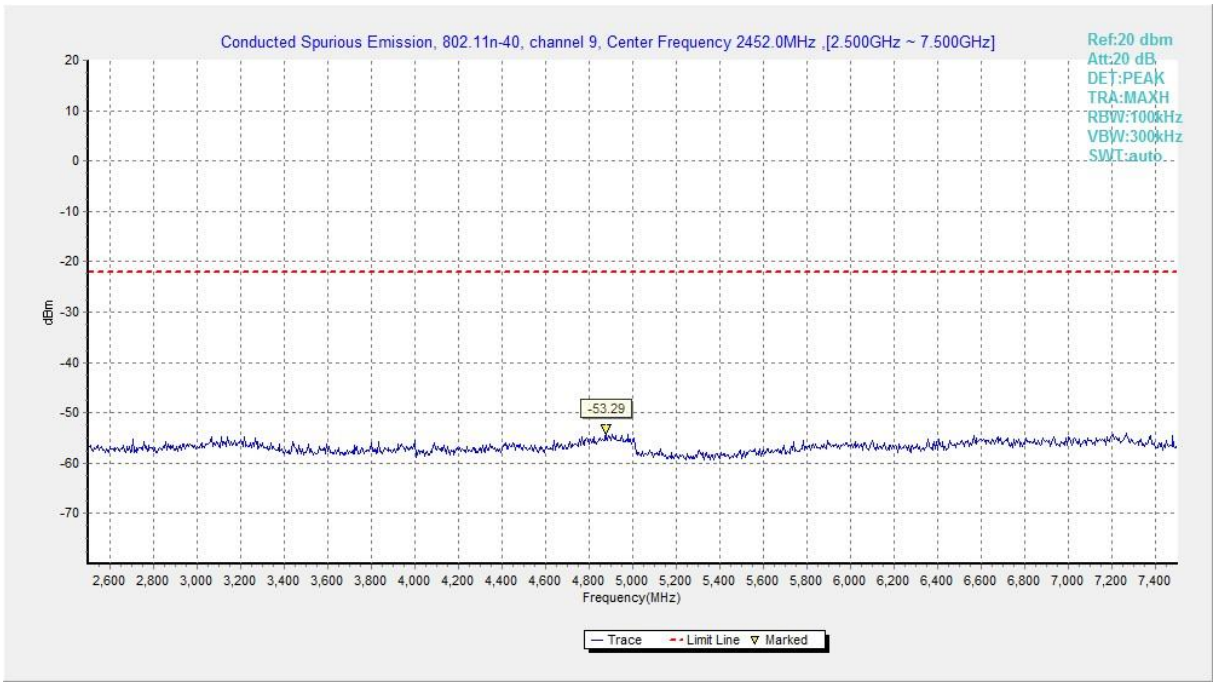

Fig.A.6.1.92 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 2.5 GHz-7.5 GHz)

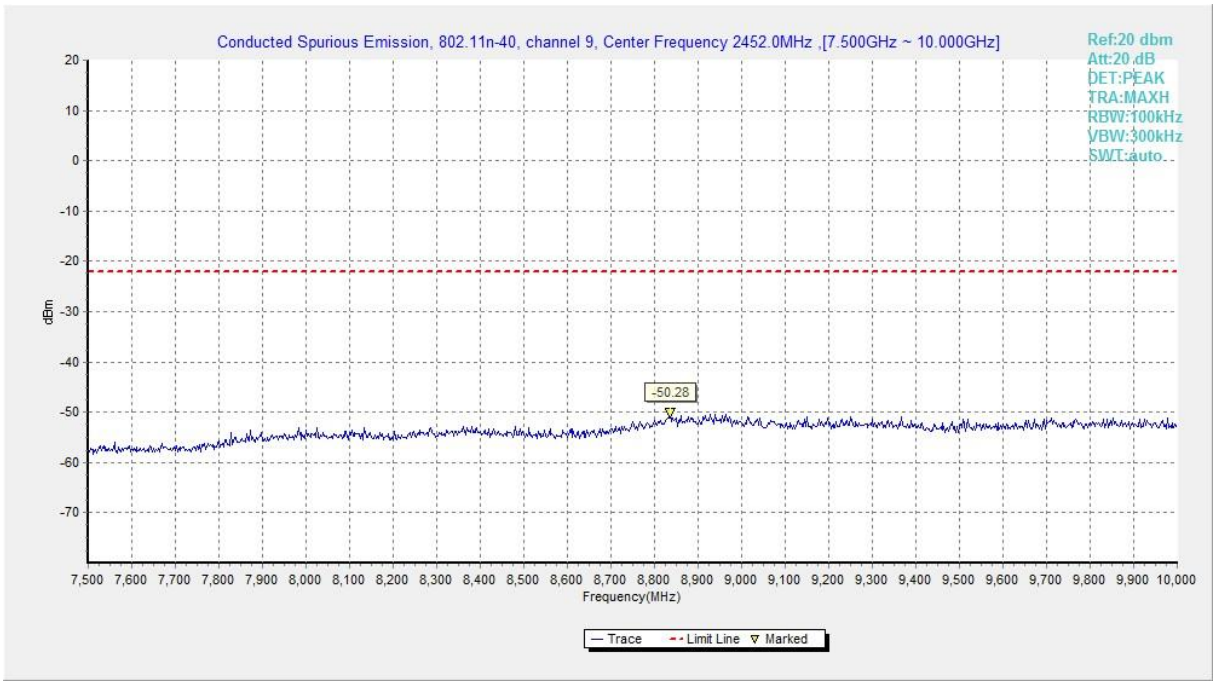

Fig.A.6.1.93 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 7.5 GHz-10 GHz)

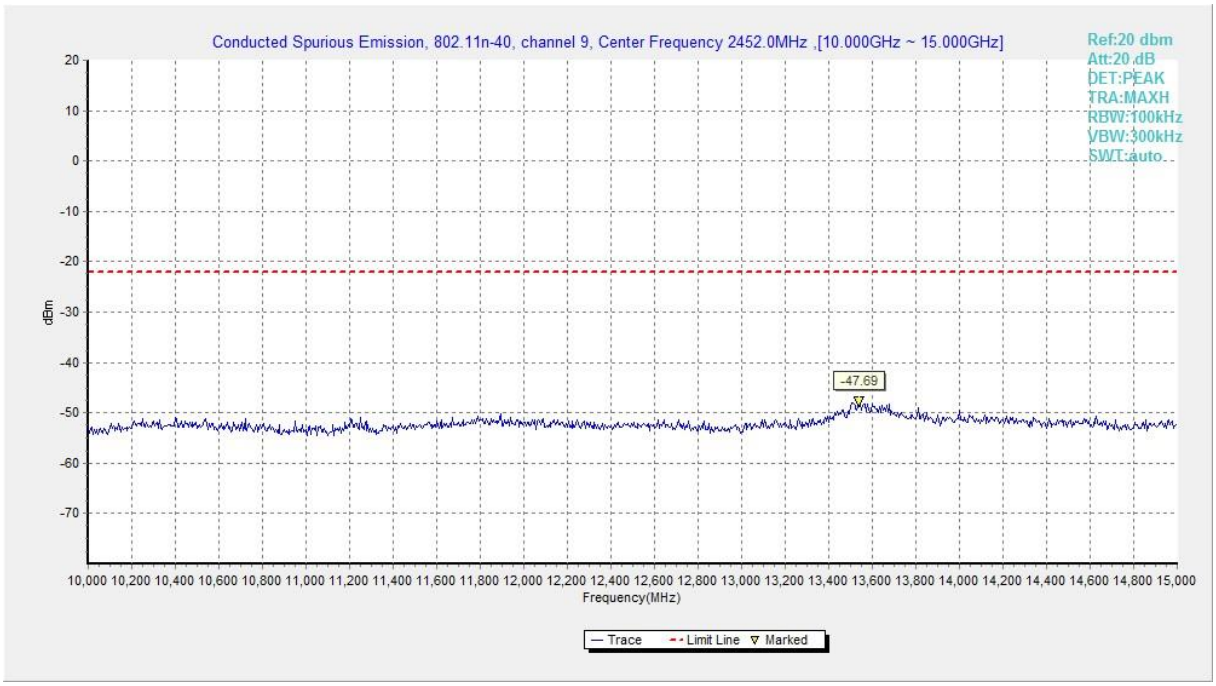

Fig.A.6.1.94 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 10 GHz-15 GHz)

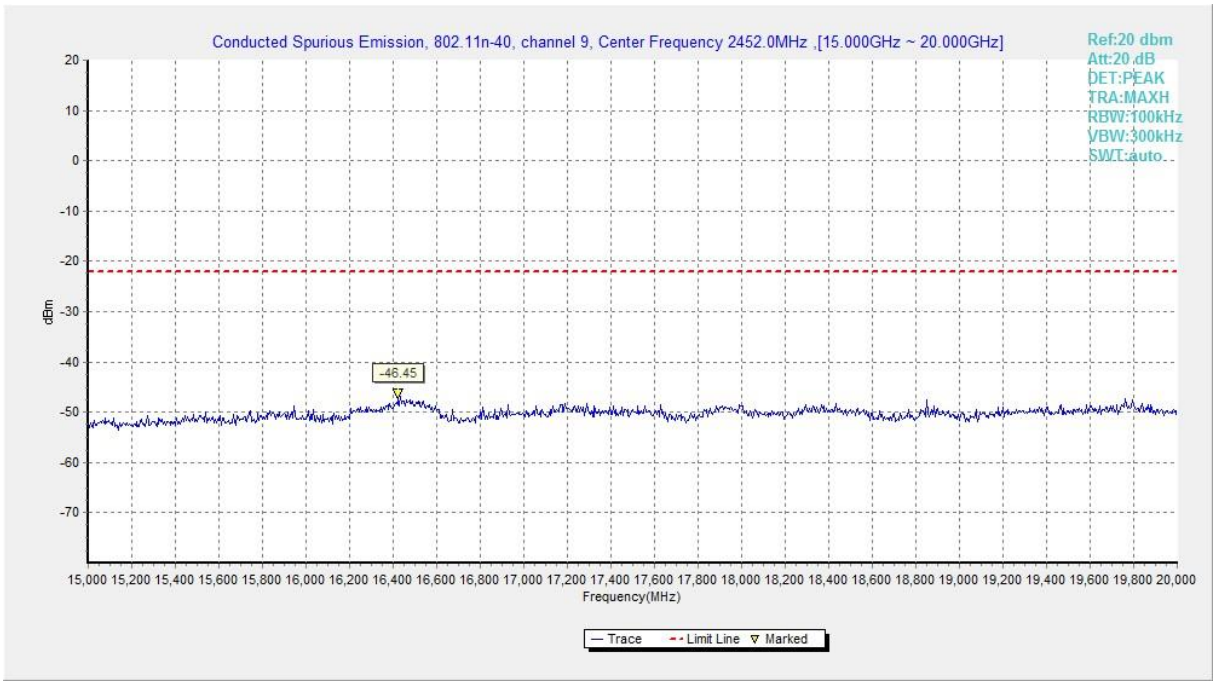

Fig.A.6.1.95 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 15 GHz-20 GHz)

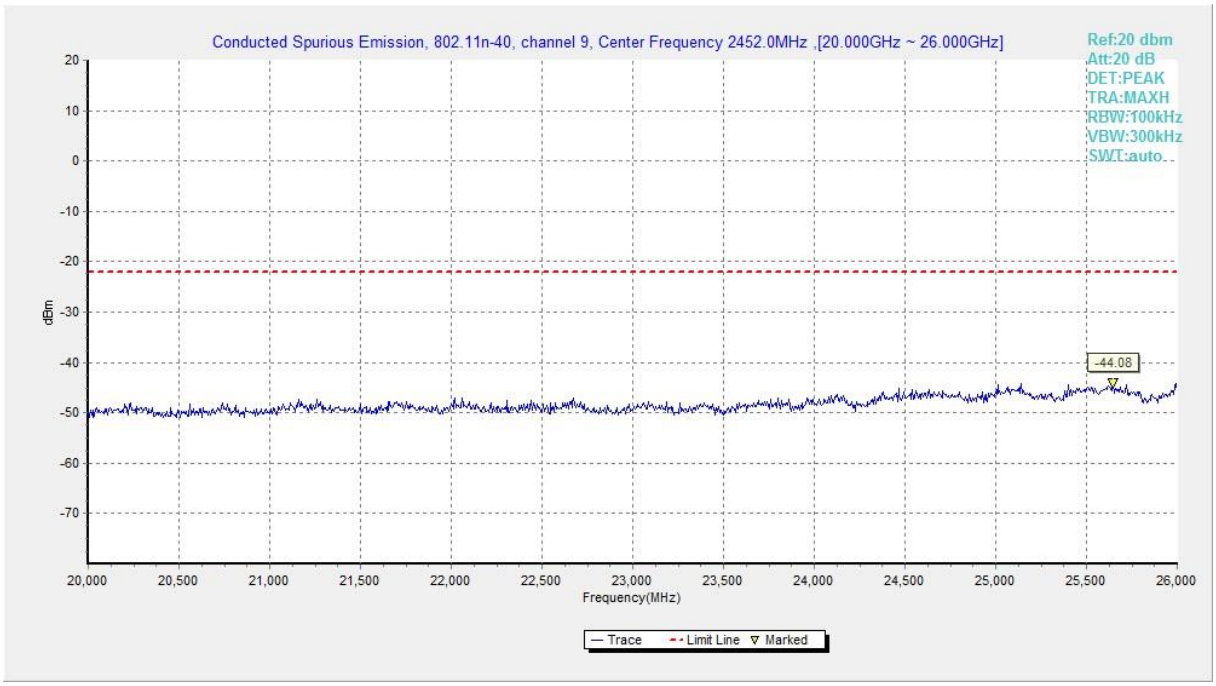

Fig.A.6.1.96 Transmitter Spurious Emission - Conducted (802.11n-HT40, Ch9, 20 GHz-26 GHz)

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)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

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

Test Condition

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

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

EUT ID: EUT1

Measurement Results:

802.11b mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	Power	2.38GHz ~2.45GHz	Fig.A.6.2.1	**P**
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.2	**P**

802.11g mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11g	Power	2.38GHz ~2.43GHz	Fig.A.6.2.3	**P**
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.4	**P**

802.11n-HT20 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT20)	Power	2.38GHz ~2.45GHz	Fig.A.6.2.5	**P**
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.6	**P**

802.11n-HT40 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT40)	Power	2.38GHz ~2.45GHz	Fig.A.6.2.7	**P**
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.8	**P**

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.

The measurement results are obtained as described below:

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

Peak

802.11b

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17601	48.72	-25.74	43.4	31.06	V
17680.5	48.28	-25.74	43.4	30.62	V
17835	48.18	-25.50	43.4	30.28	H
17860.5	48.13	-25.50	43.4	30.23	H
17854.5	48.04	-25.50	43.4	30.14	H
2383.872	56.33	-14.21	27.2	43.34	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17872.5	49.19	-25.50	43.4	31.29	H
17973	48.42	-25.50	43.4	30.52	H
17415	48.07	-26.85	43.4	31.52	H
17890.5	48.03	-25.50	43.4	30.13	H
17928	47.97	-25.50	43.4	30.07	H
17952	47.96	-25.50	43.4	30.07	V

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17701.5	48.66	-25.74	43.4	31.00	H
17995.5	48.53	-25.50	43.4	30.63	V
17977.5	48.21	-25.50	43.4	30.31	V
17986.5	48.16	-25.50	43.4	30.27	V
17835	48.01	-25.50	43.4	30.12	V
2485.94	57.18	-14.17	27.2	44.15	H

802.11g

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17616	48.45	-25.74	43.4	30.79	V
17325	48.35	-25.95	40.1	34.19	H
17404.5	48.32	-26.85	43.4	31.77	V
17770.5	48.23	-25.50	43.4	30.33	V
17934	48.19	-25.50	43.4	30.29	H
2389.476	64.11	-14.21	27.2	51.12	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17977.5	49.27	-25.50	43.4	31.37	H
17671.5	48.90	-25.74	43.4	31.24	H
17962.5	48.13	-25.50	43.4	30.23	V
17983.5	48.10	-25.50	43.4	30.20	H
17610	48.06	-25.74	43.4	30.40	V
17928	48.04	-25.50	43.4	30.14	V

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17994	49.14	-25.50	43.4	31.25	V
17730	48.36	-25.74	43.4	30.70	H
17442	48.35	-26.85	43.4	31.80	H
17952	48.25	-25.50	43.4	30.36	V
17502	48.19	-26.85	43.4	31.64	V
2486.805	59.68	-14.17	27.2	46.64	H

802.11n-HT20

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17818.5	48.47	-25.50	43.4	30.58	H
17790	48.41	-25.50	43.4	30.51	V
17806.5	48.28	-25.50	43.4	30.38	H
17377.5	47.93	-25.95	40.1	33.78	H
17734.5	47.81	-25.74	43.4	30.16	V
2389.488	60.77	-14.21	27.2	47.78	V

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17994	48.02	-25.50	43.4	30.13	H
17952	47.97	-25.50	43.4	30.07	V
17698.5	47.72	-25.74	43.4	30.06	V
17233.5	47.71	-25.95	40.1	33.56	V
17490	47.67	-26.85	43.4	31.13	V
17709	47.63	-25.74	43.4	29.98	V

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17791.5	48.27	-25.50	43.4	30.37	H
17692.5	48.09	-25.74	43.4	30.43	H
17619	48.09	-25.74	43.4	30.43	V
17674.5	48.01	-25.74	43.4	30.35	H
17904	48.00	-25.50	43.4	30.10	V
2485.43	65.24	-14.17	27.2	52.21	H

802.11n-HT40

Ch3

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17688	48.88	-25.74	43.4	31.22	H
17533.5	48.74	-26.85	43.4	32.19	V
17794.5	48.71	-25.50	43.4	30.81	H
17571	48.55	-25.74	43.4	30.89	V
17842.5	48.39	-25.50	43.4	30.49	V
2389.872	65.13	-14.21	27.2	52.15	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17895	50.24	-25.50	43.4	32.34	V
17418	48.80	-26.85	43.4	32.25	H
17910	48.61	-25.50	43.4	30.72	V
17884.5	48.56	-25.50	43.4	30.66	V
17511	48.50	-26.85	43.4	31.96	V
17931	48.34	-25.50	43.4	30.44	H

Ch9

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17955	48.93	-25.50	43.4	31.03	V
17763	48.45	-25.50	43.4	30.55	V
17676	48.26	-25.74	43.4	30.60	V
17830.5	48.25	-25.50	43.4	30.35	H
17884.5	48.23	-25.50	43.4	30.33	V
2485.165	61.20	-14.17	27.2	48.16	H

Average

802.11b

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17989.5	36.08	-25.50	43.4	18.18	V
17895	36.02	-25.50	43.4	18.12	V
17986.5	36.01	-25.50	43.4	18.11	H
17884.5	36.01	-25.50	43.4	18.11	H
17979	36.01	-25.50	43.4	18.11	V
2384.052	46.02	-14.21	27.2	33.03	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17983.5	36.15	-25.50	43.4	18.25	V
17788.5	36.11	-25.50	43.4	18.22	V
17989.5	36.06	-25.50	43.4	18.16	V
17995.5	36.05	-25.50	43.4	18.15	H
17994	36.01	-25.50	43.4	18.11	V
17910	35.97	-25.50	43.4	18.08	V

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17992.5	36.08	-25.50	43.4	18.18	H
17983.5	36.06	-25.50	43.4	18.16	V
17995.5	36.04	-25.50	43.4	18.14	V
17997	36.04	-25.50	43.4	18.14	H
17989.5	36.02	-25.50	43.4	18.12	V
2486.175	48.31	-14.17	27.2	35.28	H

802.11g

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17907	36.12	-25.50	43.4	18.22	V
17982	36.11	-25.50	43.4	18.21	H
17995.5	36.05	-25.50	43.4	18.15	V
17980.5	36.05	-25.50	43.4	18.15	H
17977.5	36.02	-25.50	43.4	18.12	V
2389.644	49.45	-14.21	27.2	36.46	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17994	36.31	-25.50	43.4	18.42	V
17988	36.17	-25.50	43.4	18.27	H
17982	36.14	-25.50	43.4	18.25	H
17983.5	36.12	-25.50	43.4	18.22	H
17980.5	36.05	-25.50	43.4	18.16	V
17901	35.98	-25.50	43.4	18.09	V

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17983.5	36.23	-25.50	43.4	18.33	H
17874	36.16	-25.50	43.4	18.26	V
17991	36.10	-25.50	43.4	18.20	V
17976	36.09	-25.50	43.4	18.19	V
17988	36.05	-25.50	43.4	18.15	H
2485.065	46.06	-14.17	27.2	33.03	H

802.11n-HT20

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17968.5	36.14	-25.50	43.4	18.24	V
17977.5	36.09	-25.50	43.4	18.19	V
17973	36.09	-25.50	43.4	18.19	V
17901	36.08	-25.50	43.4	18.18	V
17908.5	36.07	-25.50	43.4	18.17	H
2389.632	44.69	-14.21	27.2	31.70	V

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17992.5	36.06	-25.50	43.4	18.16	V
17895	36.04	-25.50	43.4	18.14	H
17802	36.04	-25.50	43.4	18.14	V
17884.5	36.01	-25.50	43.4	18.12	V
17988	36.01	-25.50	43.4	18.11	V
17982	36.01	-25.50	43.4	18.11	V

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17986.5	36.23	-25.50	43.4	18.34	V
17983.5	36.08	-25.50	43.4	18.18	H
17886	36.06	-25.50	43.4	18.16	V
17985	36.06	-25.50	43.4	18.16	V
17979	36.05	-25.50	43.4	18.16	V
2485.01	45.75	-14.17	27.2	32.71	H

802.11n-HT40

Ch3

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17895	36.18	-25.50	43.4	18.28	V
17980.5	36.14	-25.50	43.4	18.24	V
17974.5	36.11	-25.50	43.4	18.21	V
17989.5	36.08	-25.50	43.4	18.18	V
17985	36.05	-25.50	43.4	18.15	V
2389.524	52.01	-14.21	27.2	39.02	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17992.5	36.18	-25.50	43.4	18.28	H
17994	36.09	-25.50	43.4	18.19	V
17983.5	36.07	-25.50	43.4	18.17	V
17985	36.00	-25.50	43.4	18.10	V
17982	35.98	-25.50	43.4	18.08	V
17890.5	35.97	-25.50	43.4	18.07	V

Ch9

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P_{Mea} (dBuV/m)	Polarization
17988	36.13	-25.50	43.4	18.23	V
17991	36.09	-25.50	43.4	18.19	H
17989.5	36.07	-25.50	43.4	18.18	H
17986.5	36.03	-25.50	43.4	18.13	V
17913	36.02	-25.50	43.4	18.12	V
2485.325	47.95	-14.17	27.2	34.92	H

Test graphs as below:

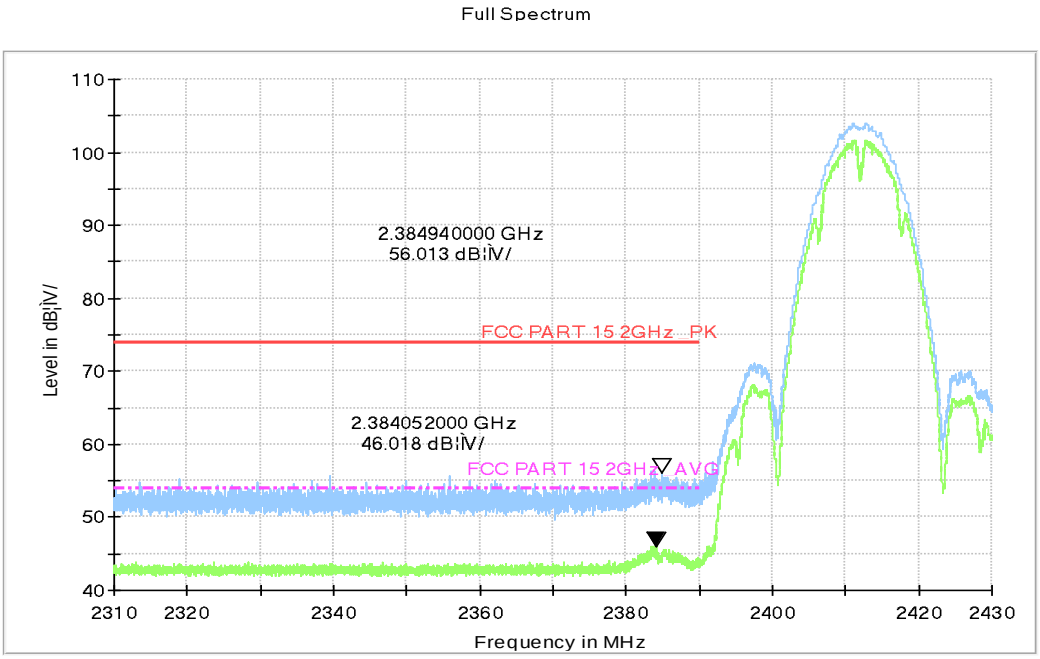

Fig.A.6.2.1 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch1, 2.38 GHz – 2.45GHz

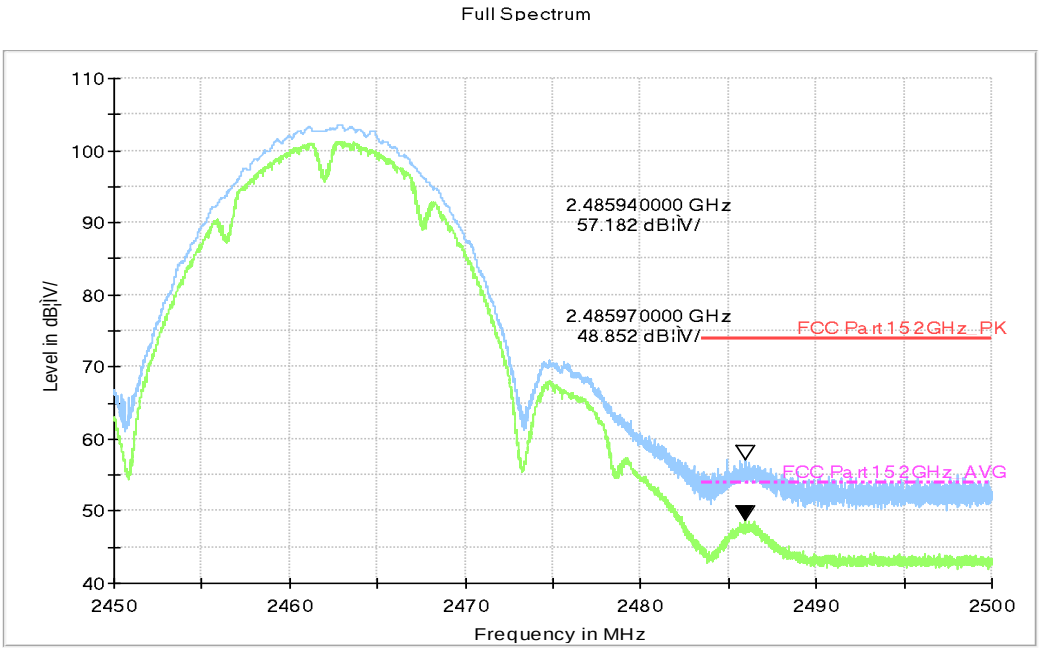

Fig.A.6.2.2 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz

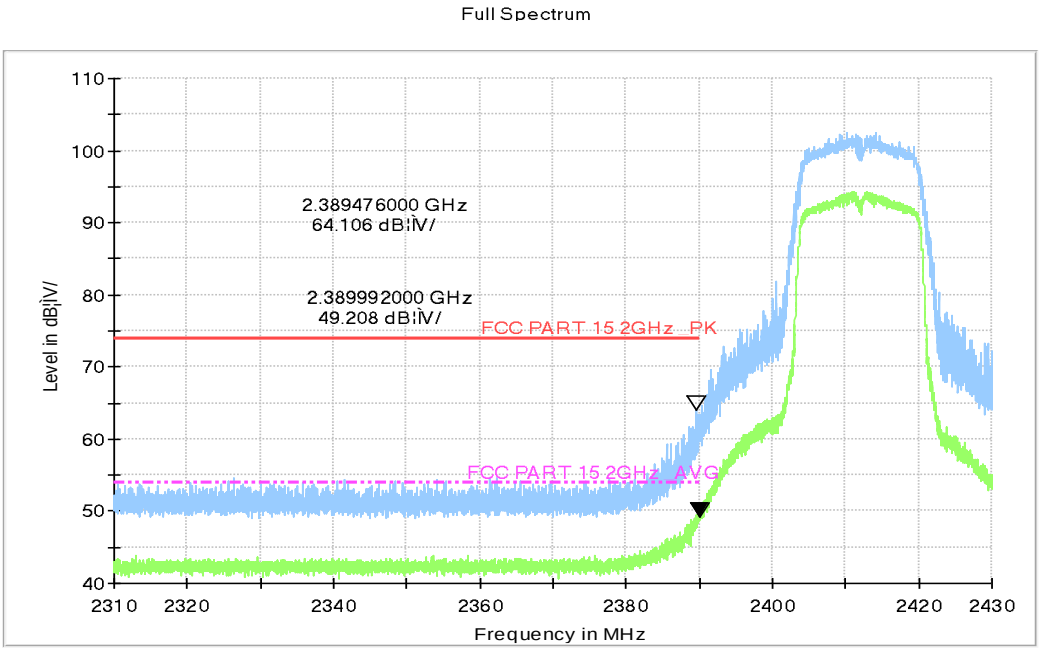

Fig.A.6.2.3 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch1, 2.38 GHz - 2.45GHz

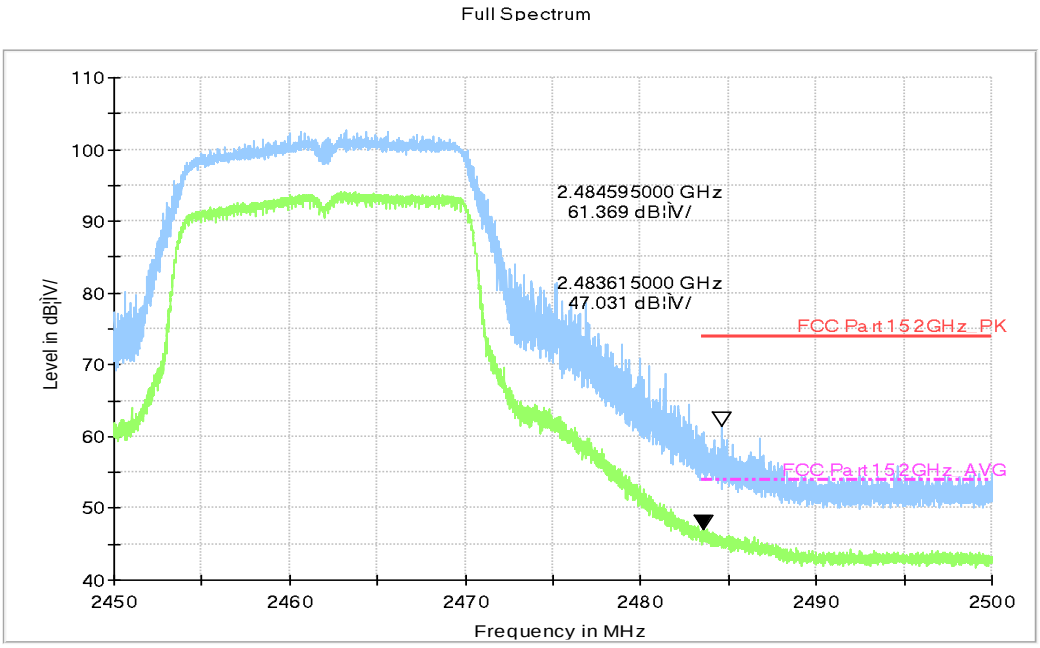

Fig.A.6.2.4 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz

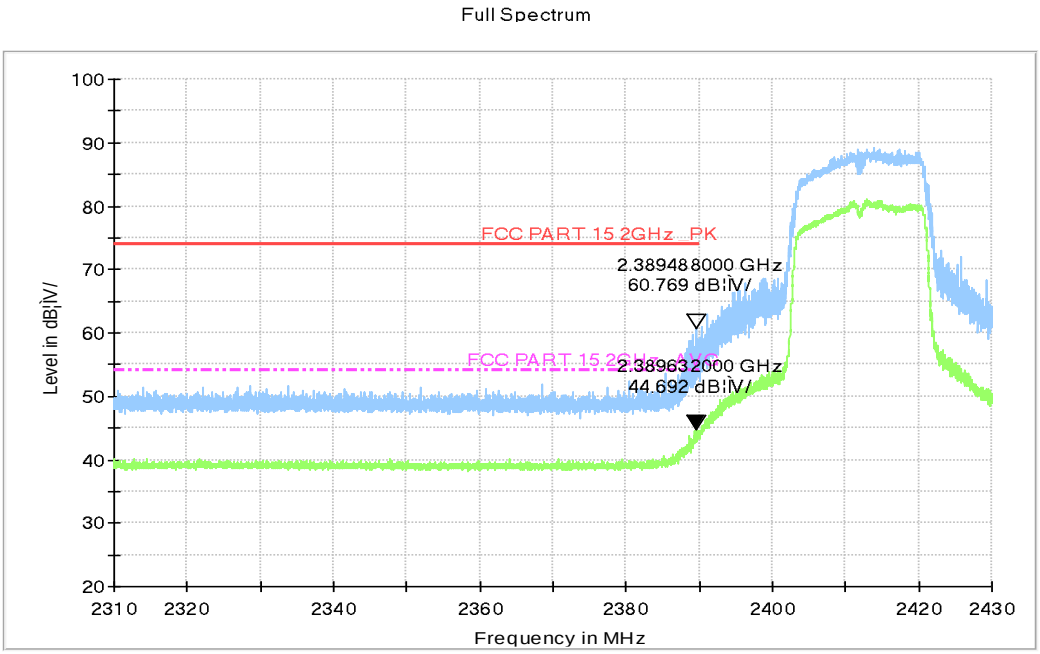

Fig.A.6.2.5 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch1, 2.38 GHz - 2.45GHz

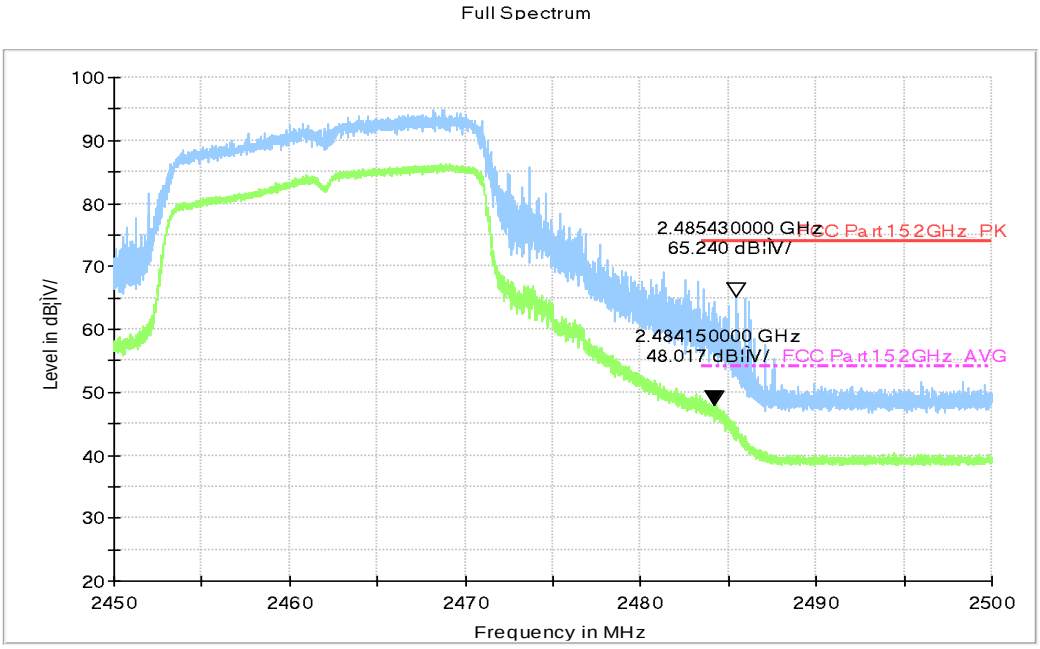

Fig.A.6.2.6 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz

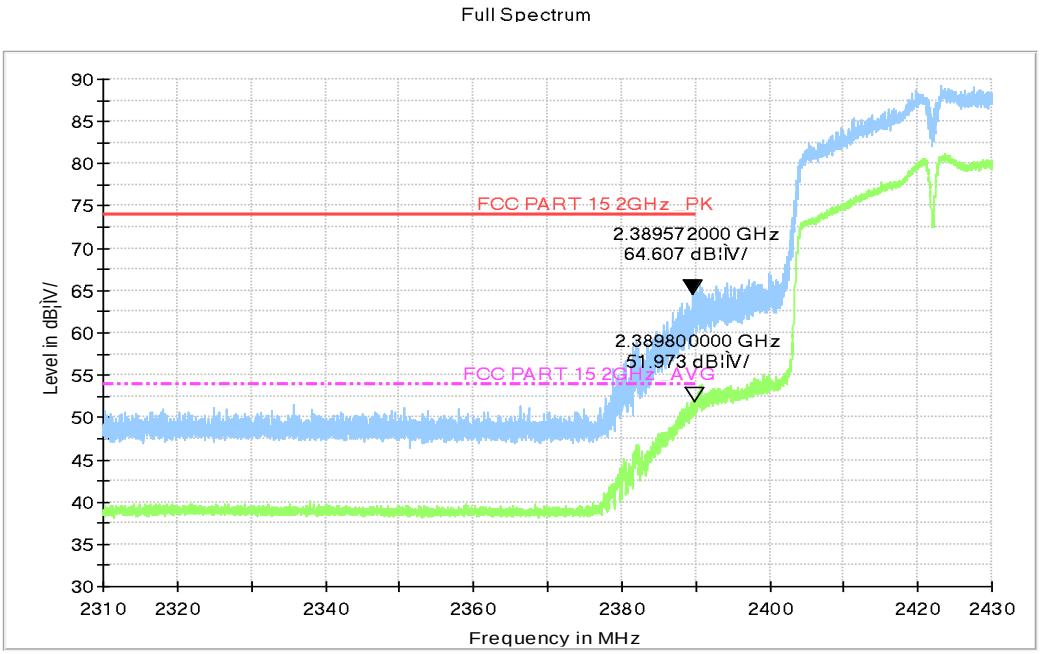

Fig.A.6.2.7 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT40, ch3, 2.38 GHz - 2.45GHz

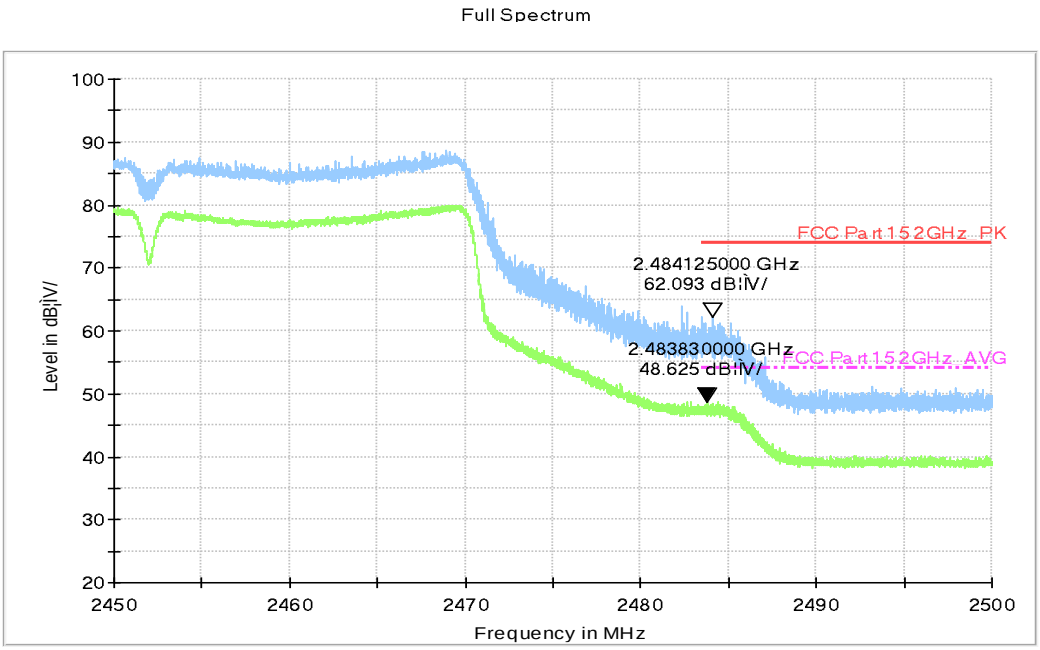

Fig.A.6.2.8 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT40, ch9, 2.45 GHz - 2.50GHz

A.7. AC Power-line Conducted Emission

Method of Measurement: See ANSI C63.10-2013-clause 6.2

1 The one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT.

2 If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed.

3 The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation.

4 If the EUT is comprised of equipment units that have their own separate ac power connections, e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network, each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be separately measured. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.

5 If the EUT uses a detachable antenna, these measurements shall be made with a suitable dummy load connected to the antenna output terminals; otherwise, the tests shall be made with the antenna connected and, if adjustable, fully extended. When measuring the ac conducted emissions from a device that operates between 150 kHz and 30 MHz a non-detachable antenna may be replaced with a dummy load for the measurements within the fundamental emission band of the transmitter, but only for those measurements.36 Record the six highest EUT emissions relative to the limit of each of the current-carrying conductors of the power cords of the equipment that comprises the EUT over the frequency range specified by the procuring or regulatory agency. Diagram or photograph the test setup that was used. See Clause 8 for full reporting requirements.

Test Condition:

Voltage（V）	Frequency（Hz）
120	60

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:

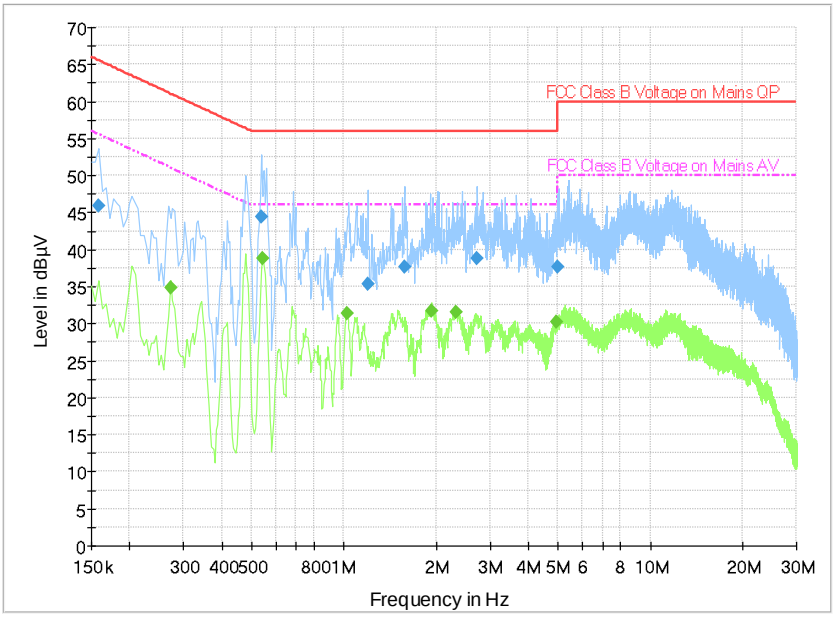

Fig.A.7.1 AC Powerline Conducted Emission-802.11b

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

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.159000	45.9	GND	L1	28.7	19.6	65.5
0.537000	44.3	GND	N	19.8	11.7	56.0
1.198500	35.3	GND	N	19.7	20.7	56.0
1.576500	37.7	GND	N	19.6	18.3	56.0
2.728500	38.7	GND	N	19.6	17.3	56.0
4.969500	37.7	GND	N	19.6	18.3	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.271500	34.8	GND	L1	19.8	16.2	51.1
0.546000	38.8	GND	L1	19.8	7.2	46.0
1.023000	31.3	GND	L1	19.7	14.7	46.0
1.927500	31.7	GND	L1	19.6	14.3	46.0
2.319000	31.5	GND	L1	19.6	14.5	46.0
4.938000	30.2	GND	L1	19.6	15.8	46.0

Note: The measurement result showed here are worst cases of the combinations of different chargers and USB cables.

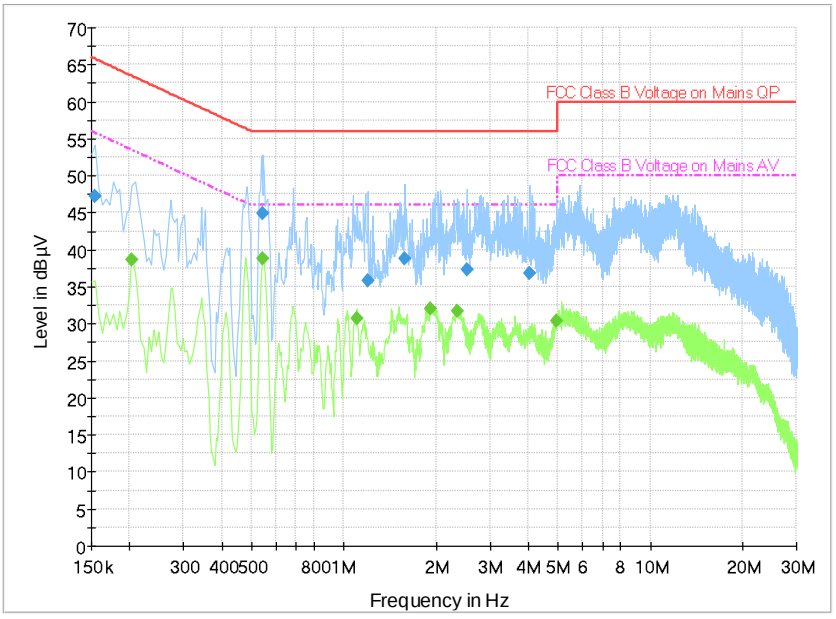

Fig.A.7.2 AC Powerline Conducted Emission-Idle

Note: The graphic result above is the maximum of the measurements for both phase line and

neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.154500	47.3	GND	L1	29.7	18.5	65.8
0.546000	44.9	GND	N	19.8	11.1	56.0
1.198500	35.9	GND	N	19.7	20.1	56.0
1.581000	38.8	GND	N	19.6	17.2	56.0
2.517000	37.3	GND	N	19.6	18.7	56.0
4.033500	36.8	GND	N	19.6	19.2	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.204000	38.6	GND	L1	19.8	14.8	53.4
0.541500	38.7	GND	L1	19.8	7.3	46.0
1.104000	30.8	GND	L1	19.7	15.2	46.0
1.918500	32.0	GND	L1	19.6	14.0	46.0
2.337000	31.7	GND	L1	19.6	14.3	46.0
4.956000	30.3	GND	L1	19.6	15.7	46.0

Note: The measurement result showed here are worst cases of the combinations of different chargers and USB cables.

ANNEX B: Accreditation Certificate

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 600118-0

Telecommunication Technology Labs, CAICT
Beijing
China

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Electromagnetic Compatibility & Telecommunications

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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).

2018-09-28 through 2019-09-30
Effective Dates

For the National Voluntary Laboratory Accreditation Program

*****END OF REPORT*****