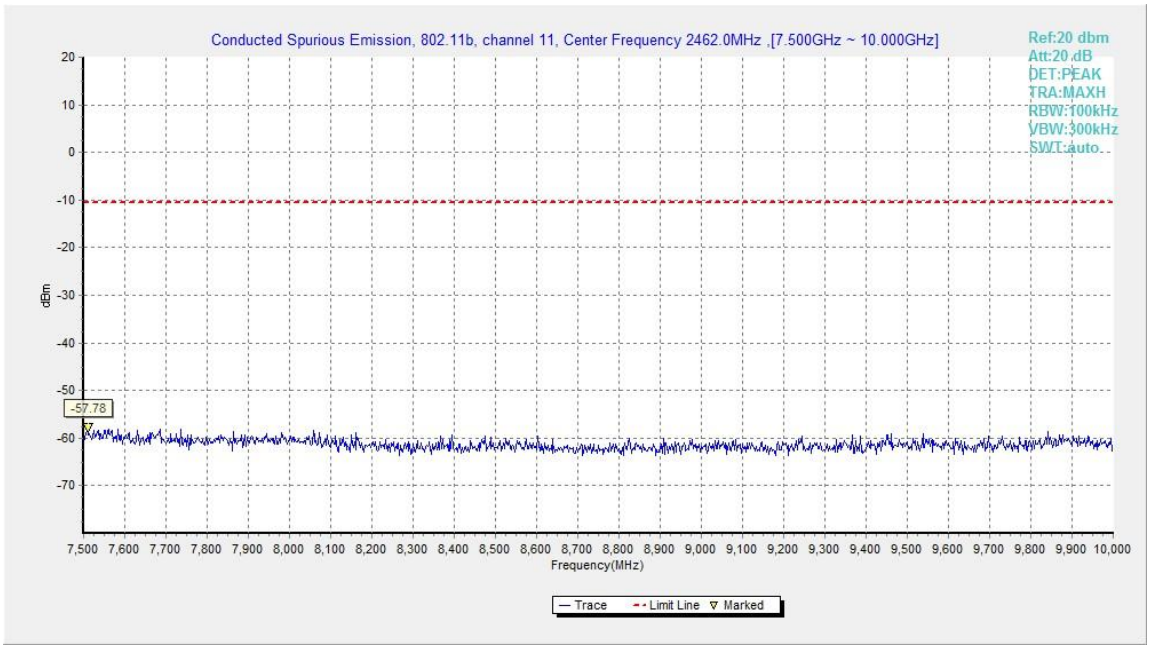


Fig.A.6.1.21 Transmitter Spurious Emission - Conducted (802.11b, Ch11, 7.5 GHz-10 GHz)

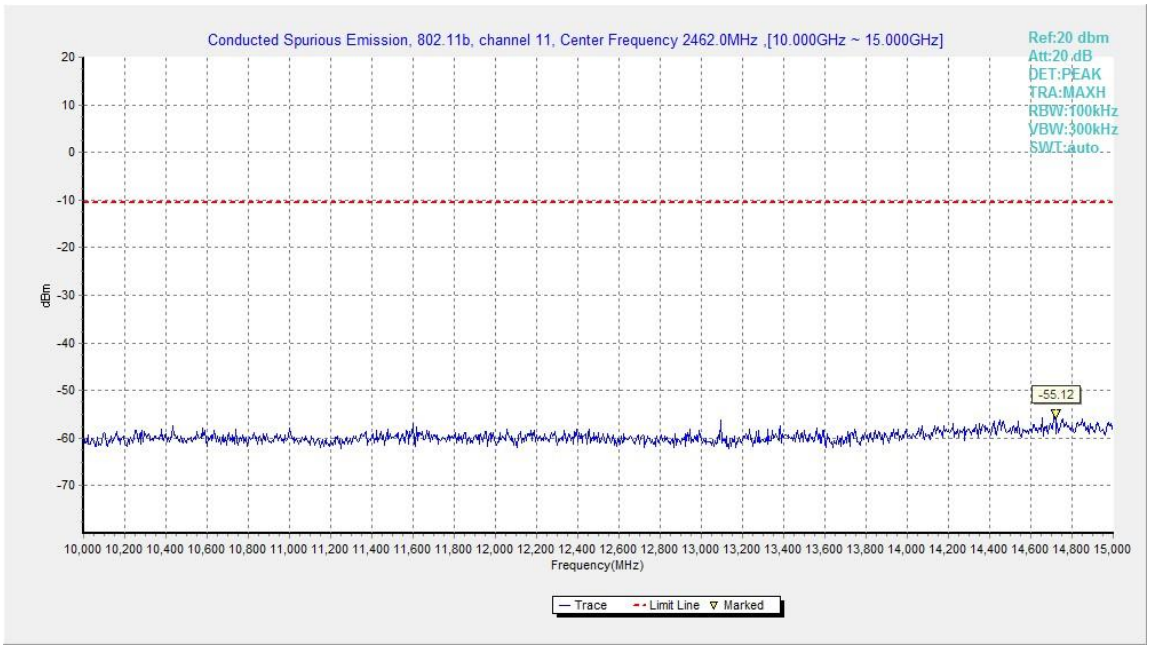


Fig.A.6.1.22 Transmitter Spurious Emission - Conducted (802.11b, Ch11, 10 GHz-15 GHz)

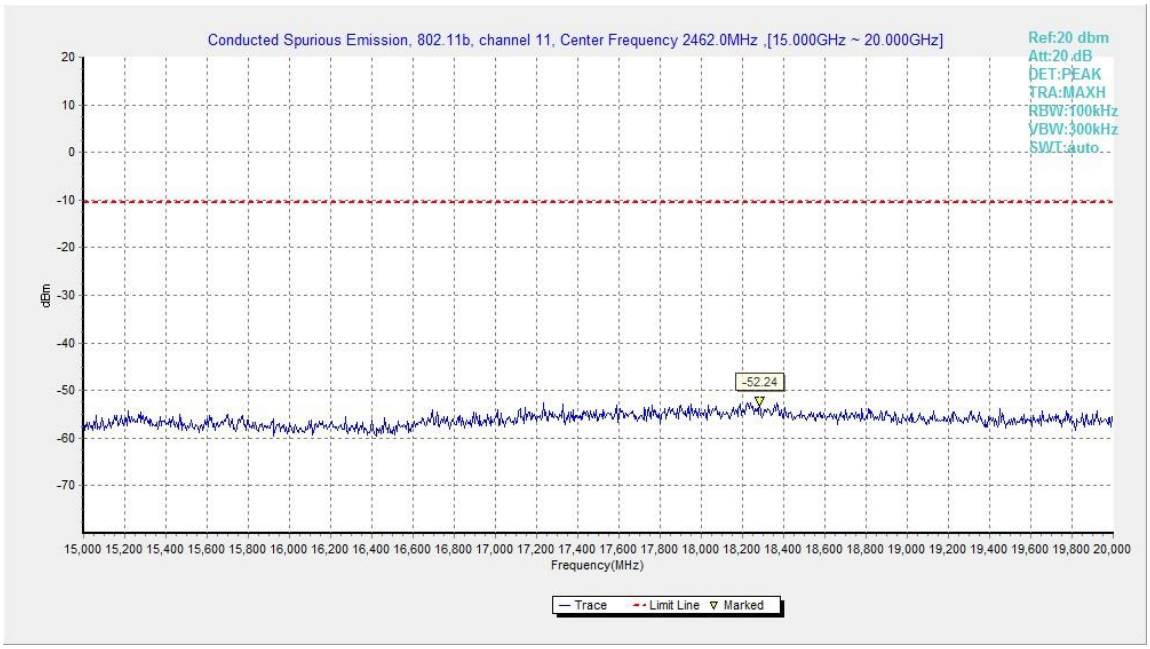


Fig.A.6.1.23 Transmitter Spurious Emission - Conducted (802.11b, Ch11, 15 GHz-20 GHz)

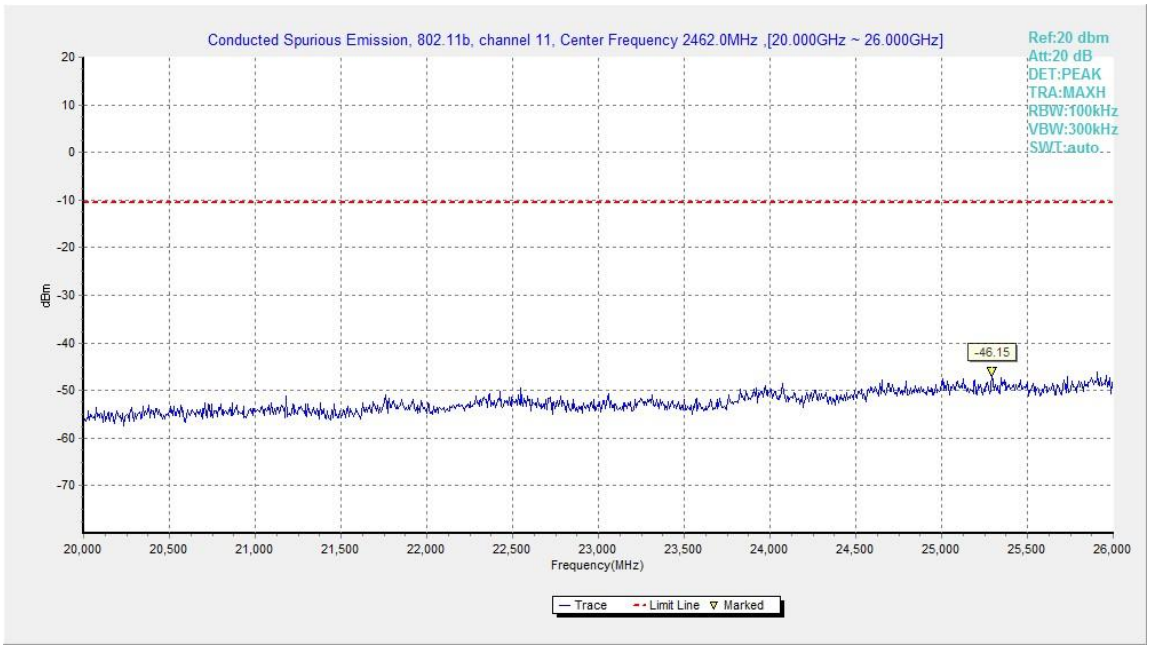


Fig.A.6.1.24 Transmitter Spurious Emission - Conducted (802.11b, Ch11, 20 GHz-26 GHz)

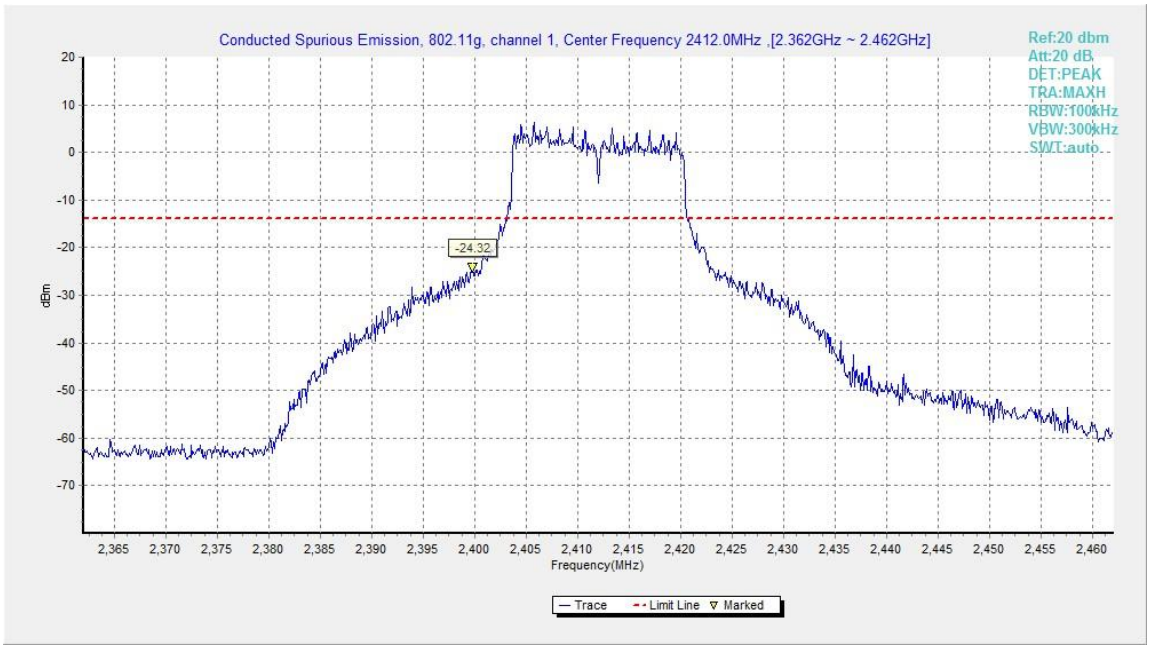


Fig.A.6.1.25 Transmitter Spurious Emission - Conducted (802.11g, Ch1, Center Frequency)

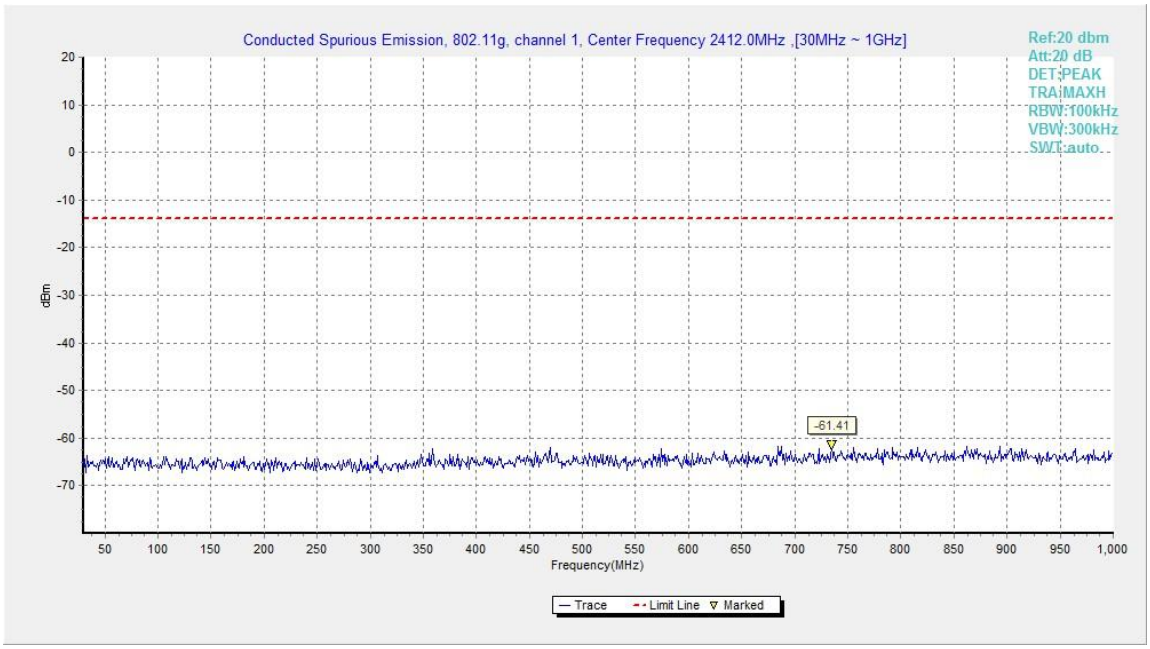


Fig.A.6.1.26 Transmitter Spurious Emission - Conducted (802.11g, Ch1, 30 MHz-1 GHz)

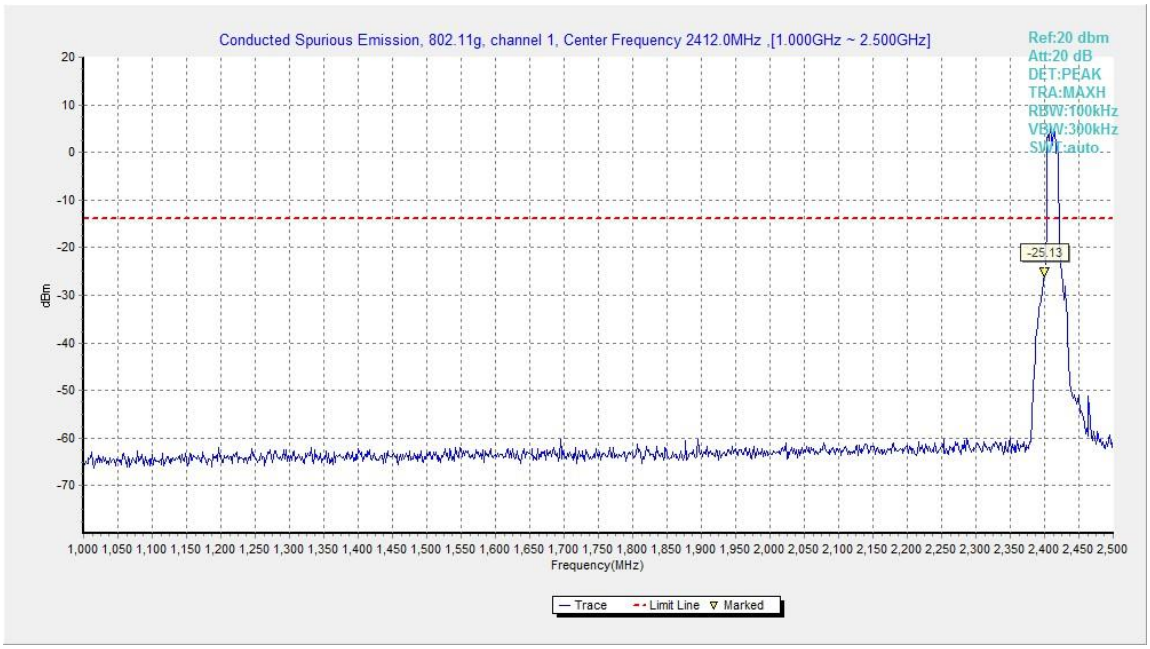


Fig.A.6.1.27 Transmitter Spurious Emission - Conducted (802.11g, Ch1, 1 GHz-2.5 GHz)

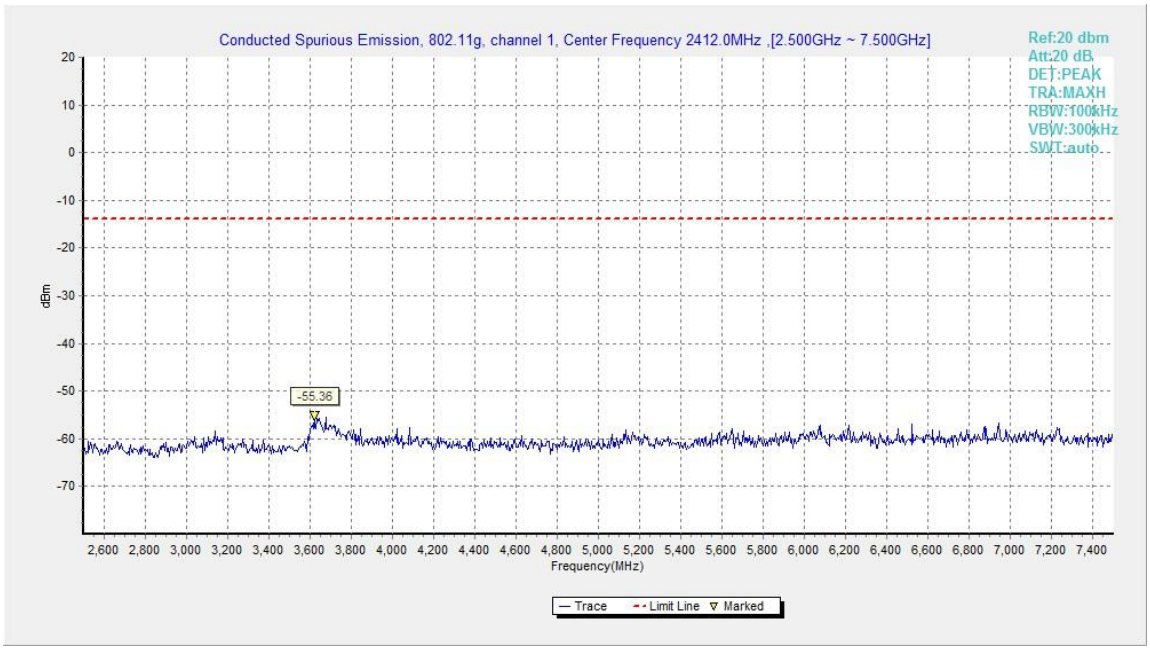


Fig.A.6.1.28 Transmitter Spurious Emission - Conducted (802.11g, Ch1, 2.5 GHz-7.5 GHz)

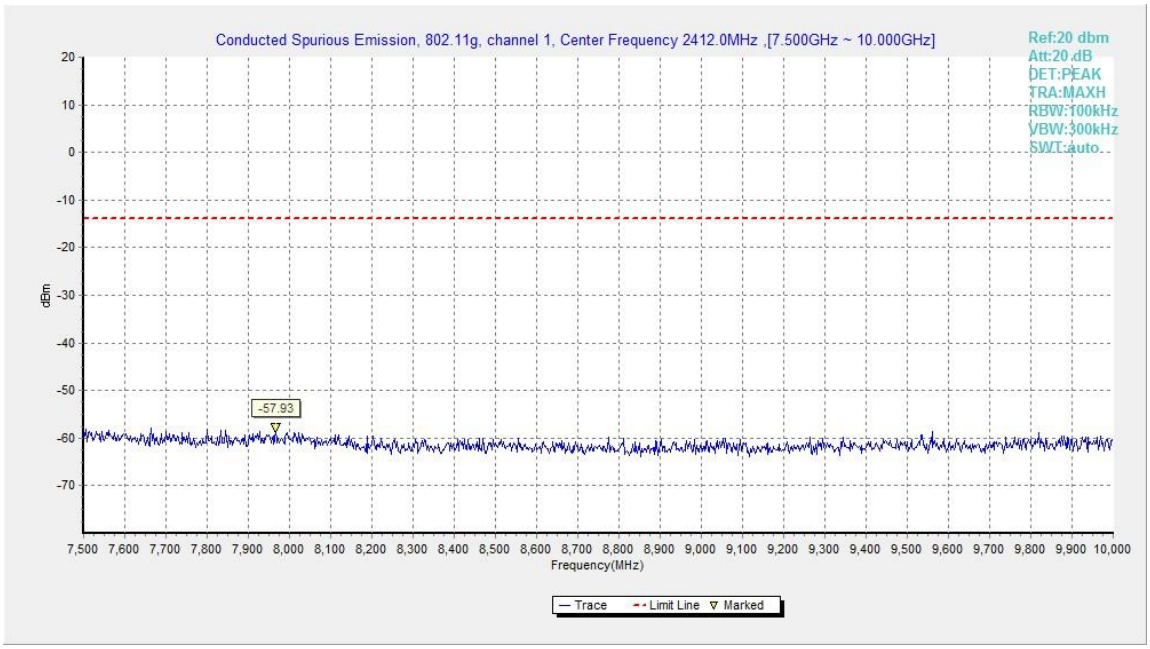


Fig.A.6.1.29 Transmitter Spurious Emission - Conducted (802.11g, Ch1, 7.5 GHz-10 GHz)

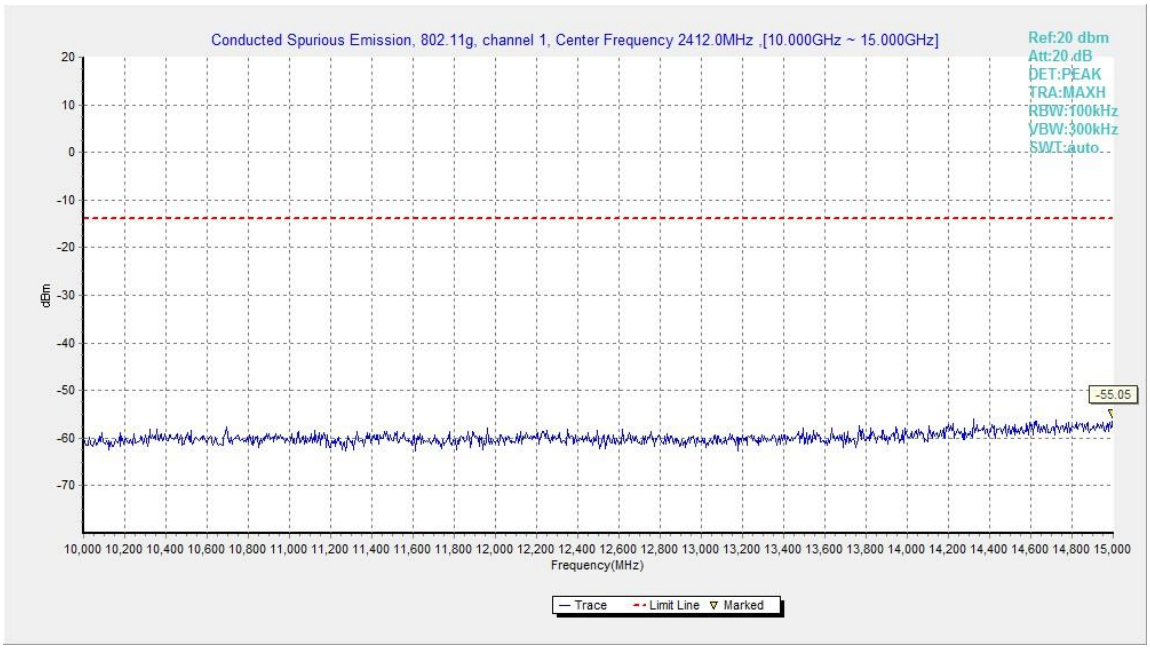


Fig.A.6.1.30 Transmitter Spurious Emission - Conducted (802.11g, Ch1, 10 GHz-15 GHz)

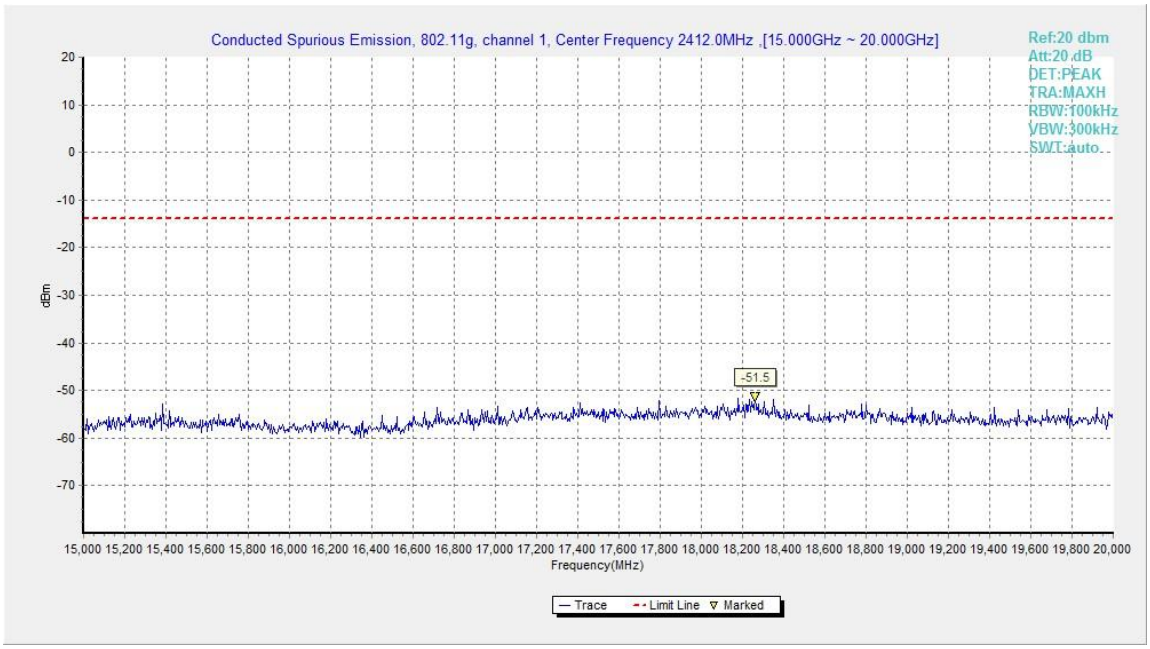


Fig.A.6.1.31 Transmitter Spurious Emission - Conducted (802.11g, Ch1, 15 GHz-20 GHz)

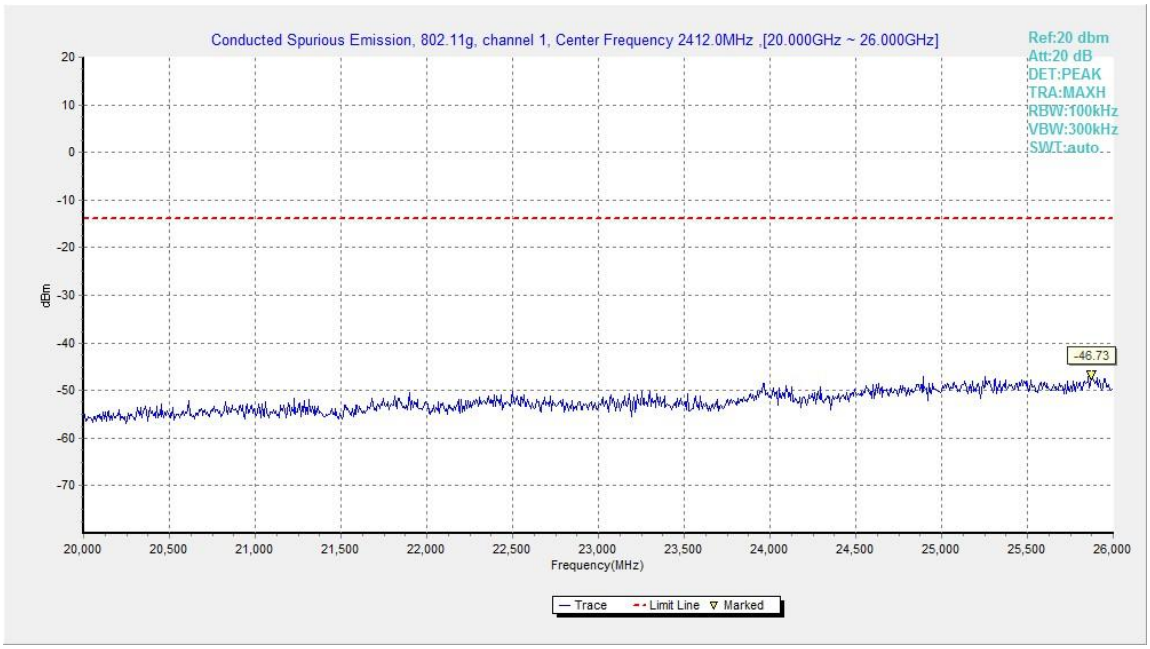


Fig.A.6.1.32 Transmitter Spurious Emission - Conducted (802.11g, Ch1, 20 GHz-26 GHz)

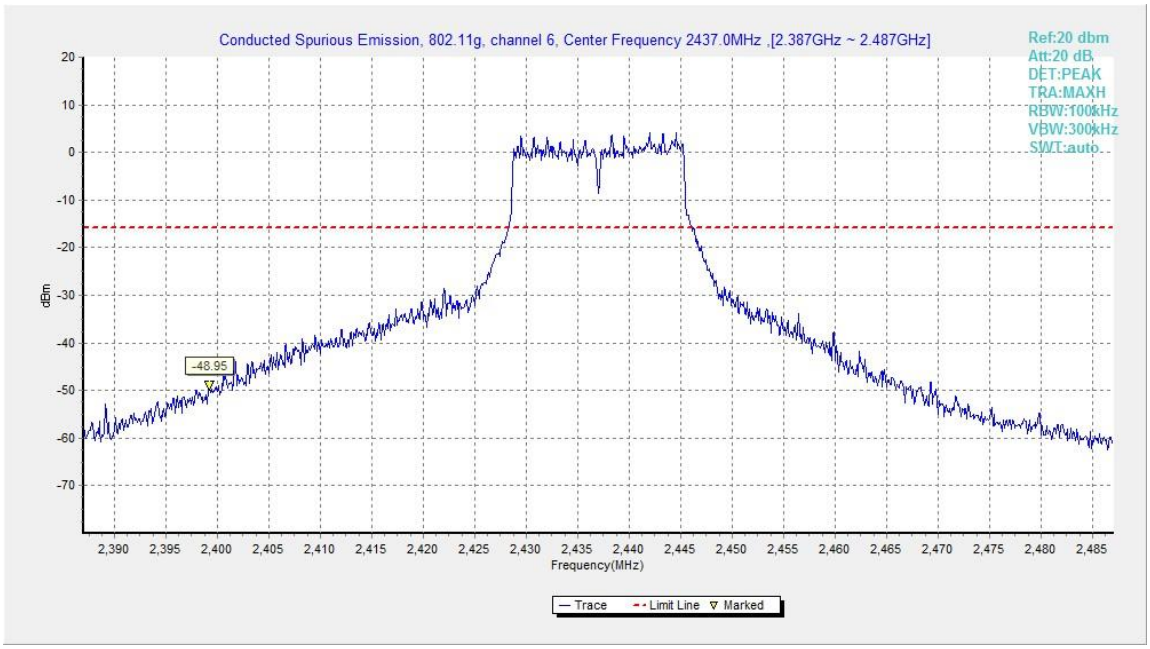


Fig.A.6.1.33 Transmitter Spurious Emission - Conducted (802.11g, Ch6, Center Frequency)

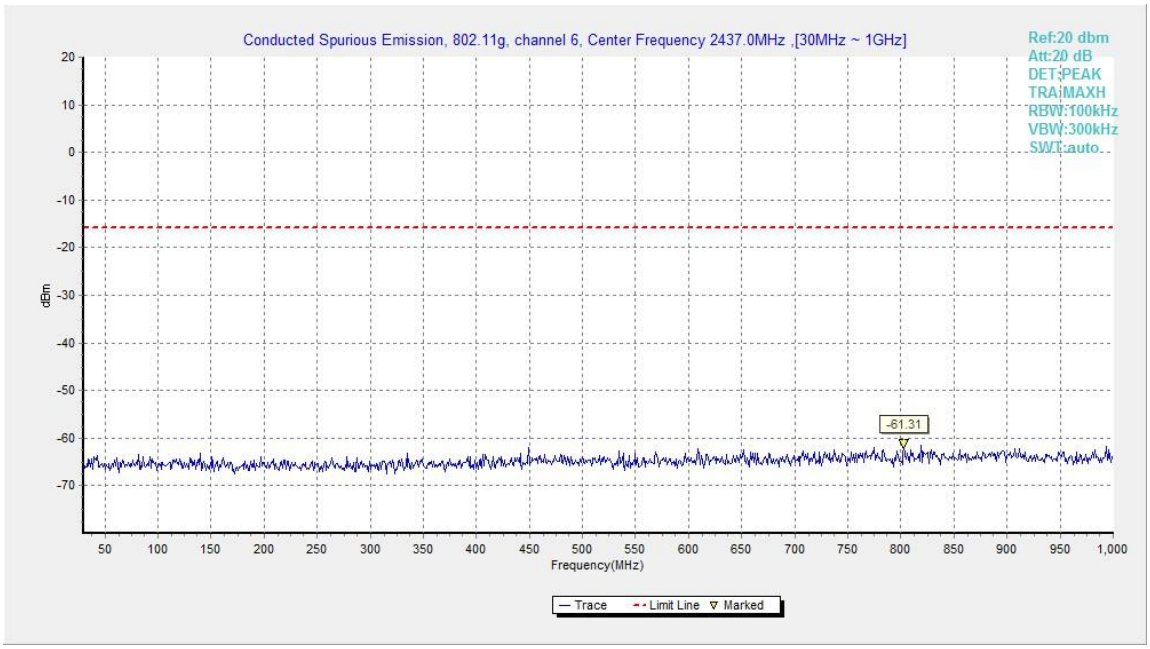


Fig.A.6.1.34 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 30 MHz-1 GHz)

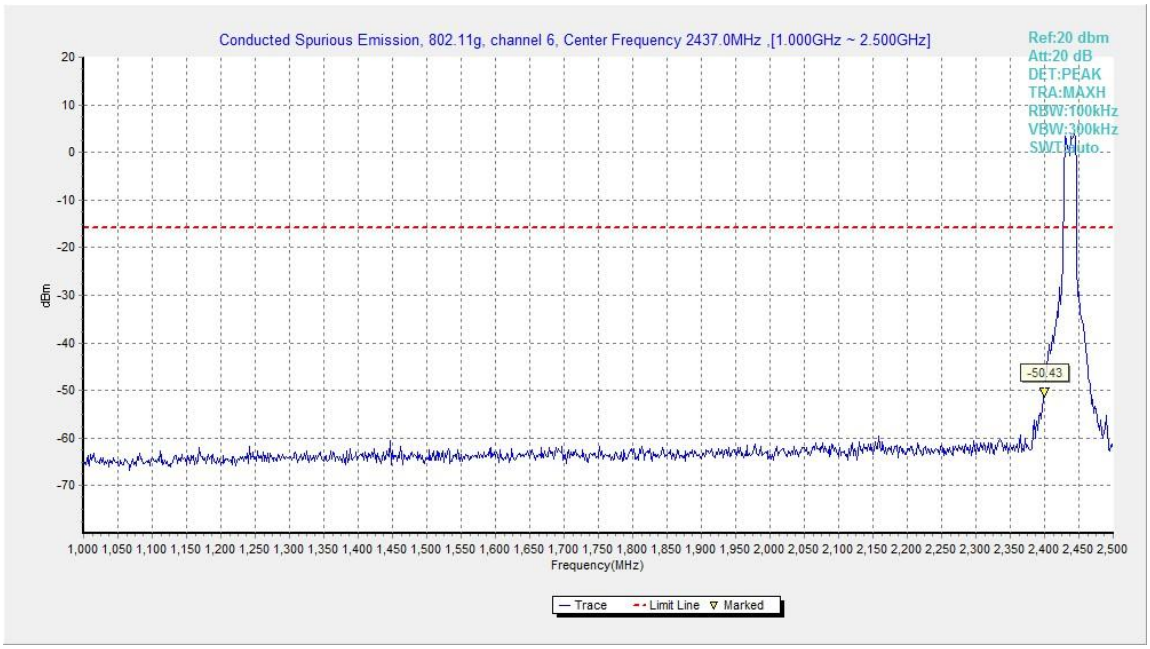


Fig.A.6.1.35 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 1 GHz-2.5 GHz)

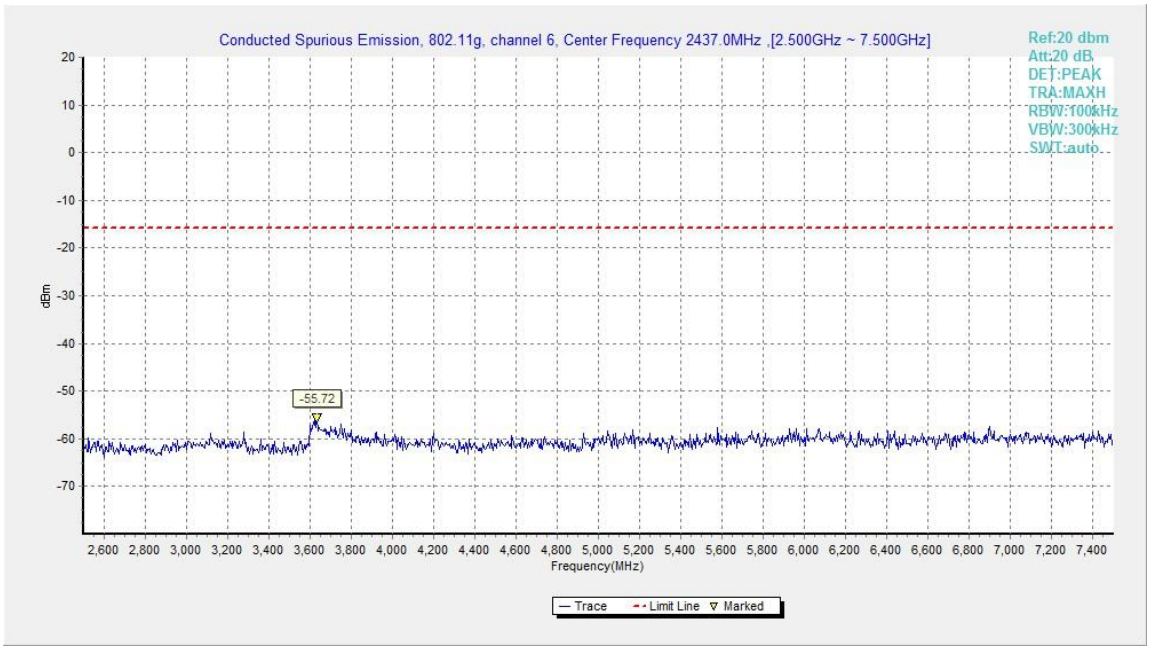


Fig.A.6.1.36 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 2.5 GHz-7.5 GHz)

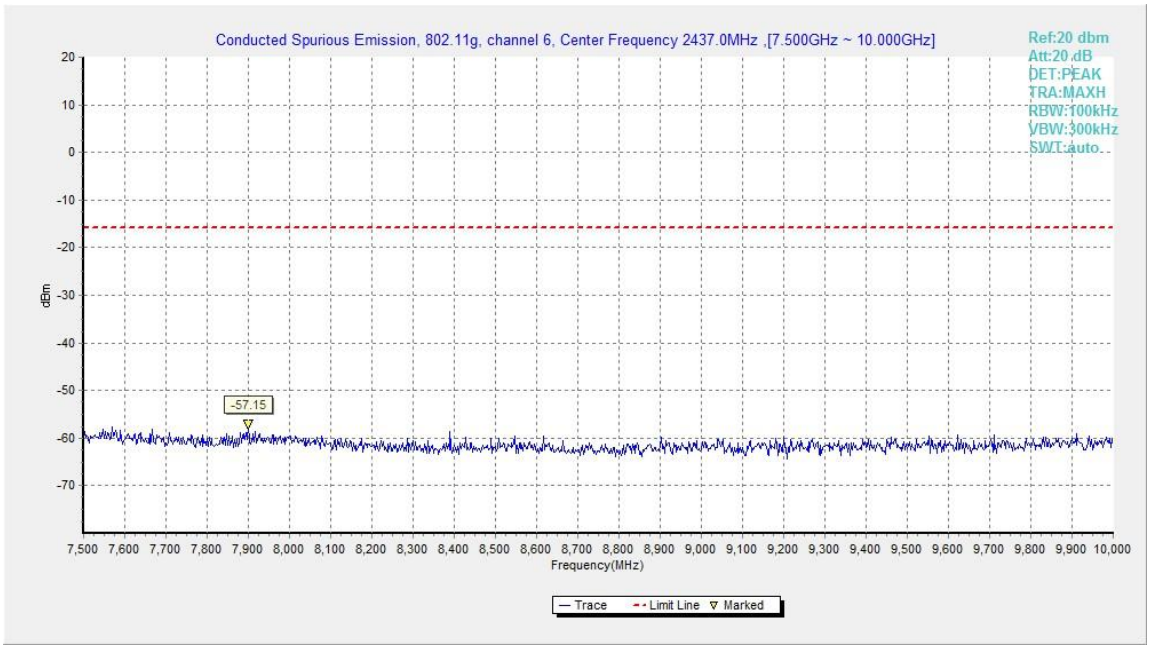


Fig.A.6.1.37 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 7.5 GHz-10 GHz)

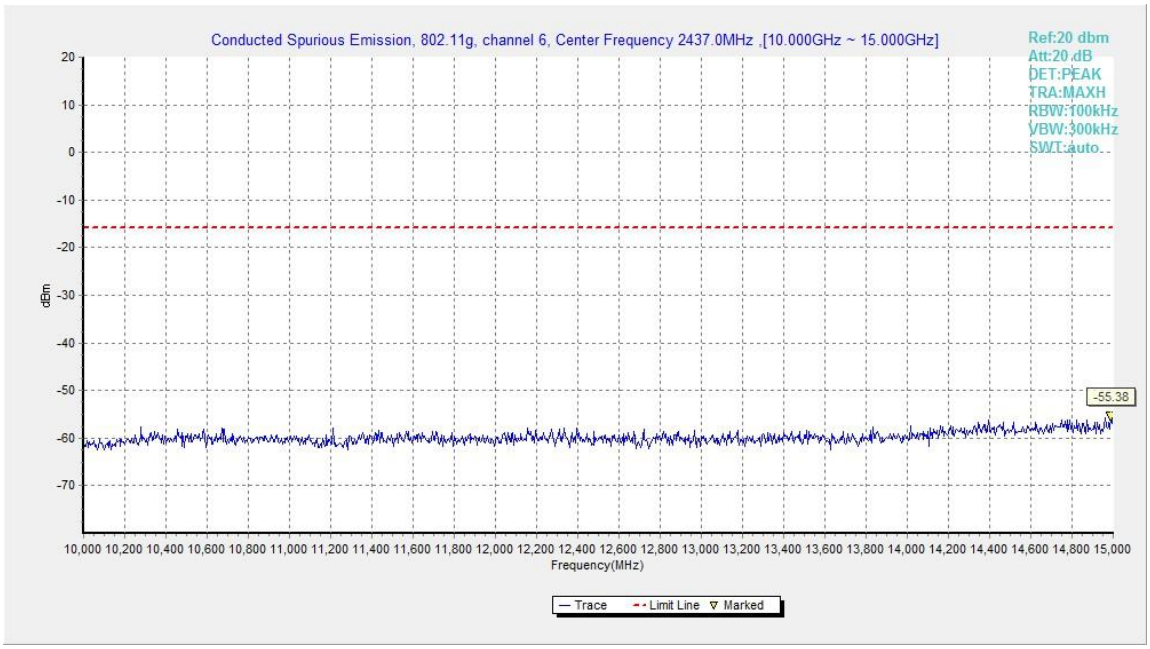


Fig.A.6.1.38 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 10 GHz-15 GHz)

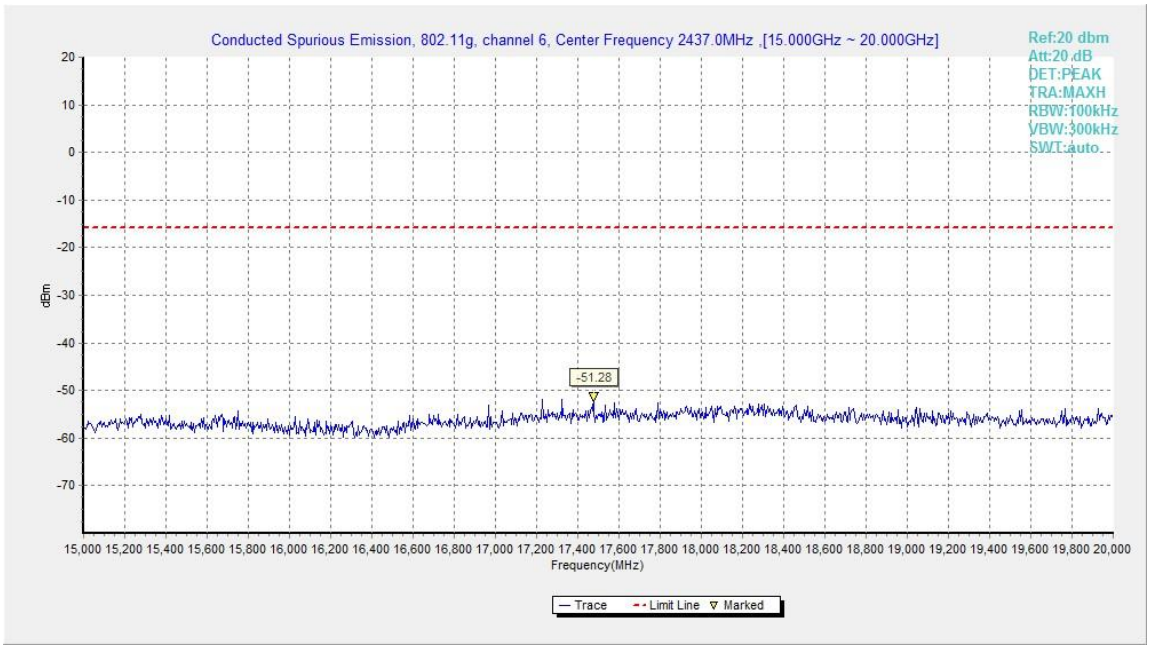


Fig.A.6.1.39 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 15 GHz-20 GHz)

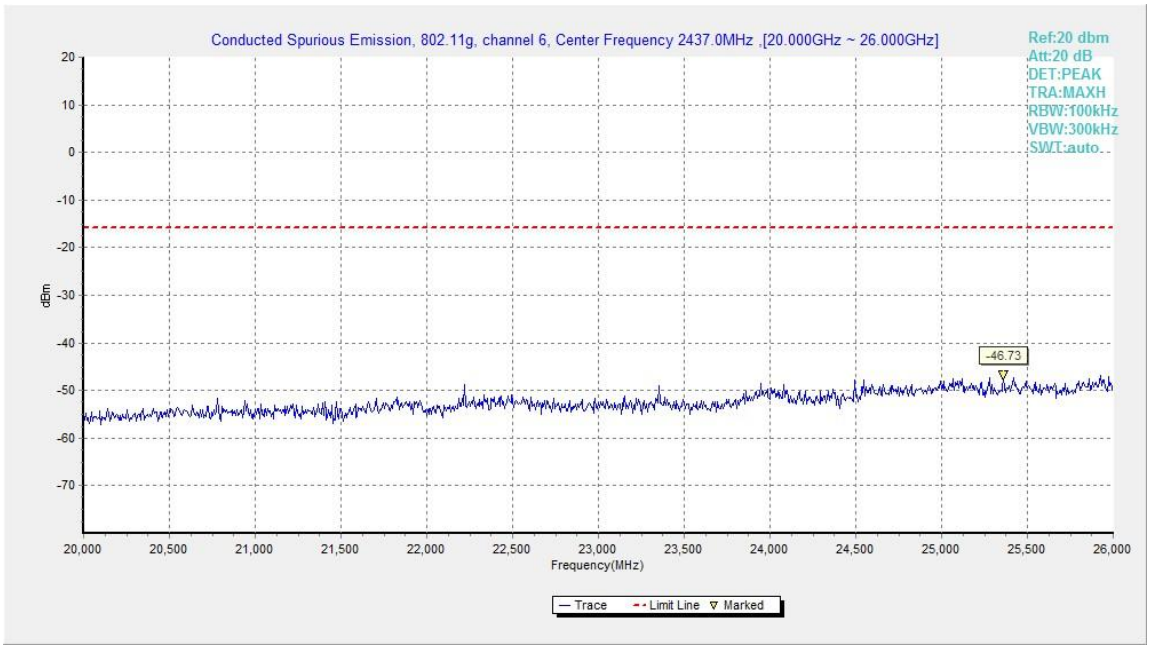


Fig.A.6.1.40 Transmitter Spurious Emission - Conducted (802.11g, Ch6, 20 GHz-26 GHz)

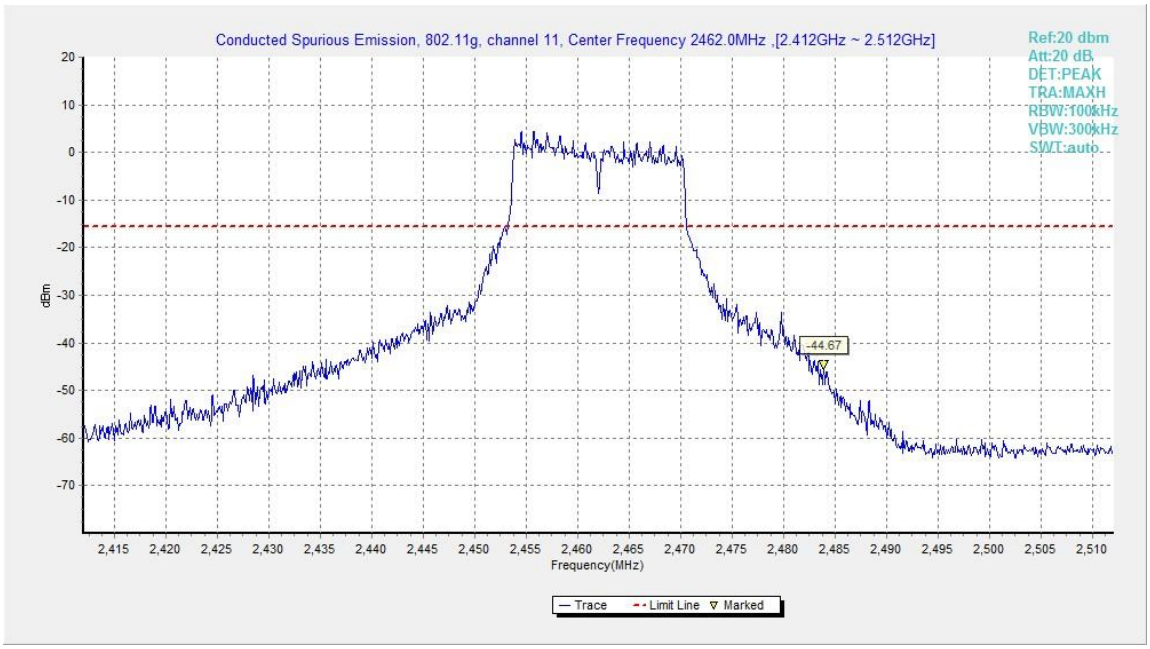


Fig.A.6.1.41 Transmitter Spurious Emission - Conducted (802.11g, Ch11, Center Frequency)

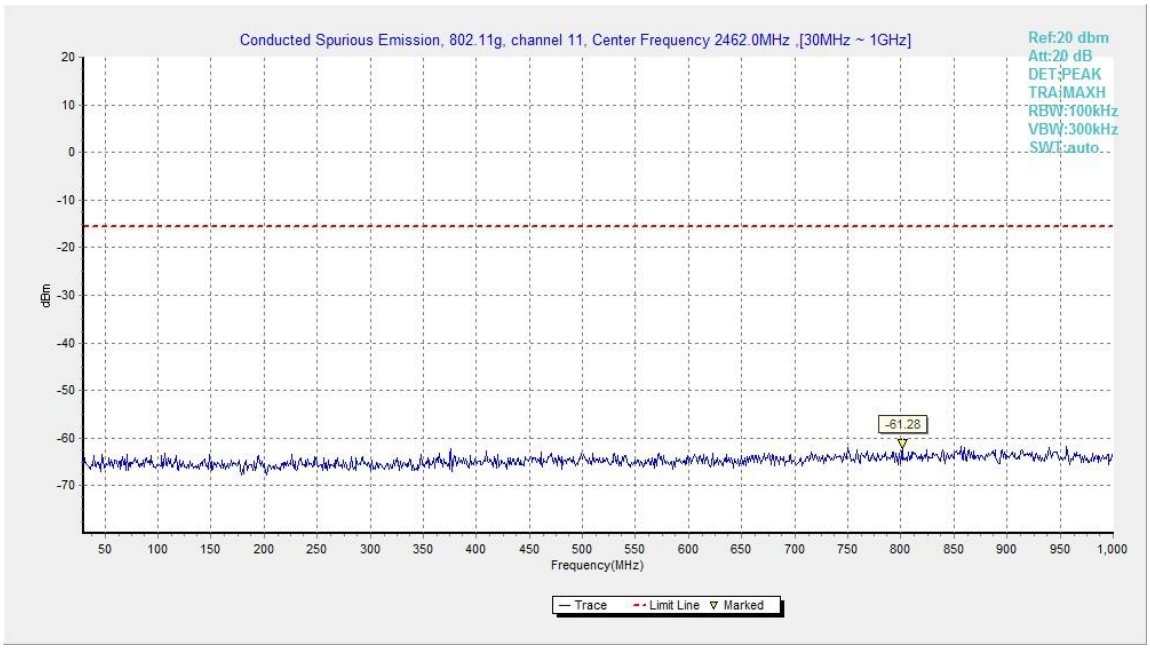


Fig.A.6.1.42 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 30 MHz-1 GHz)

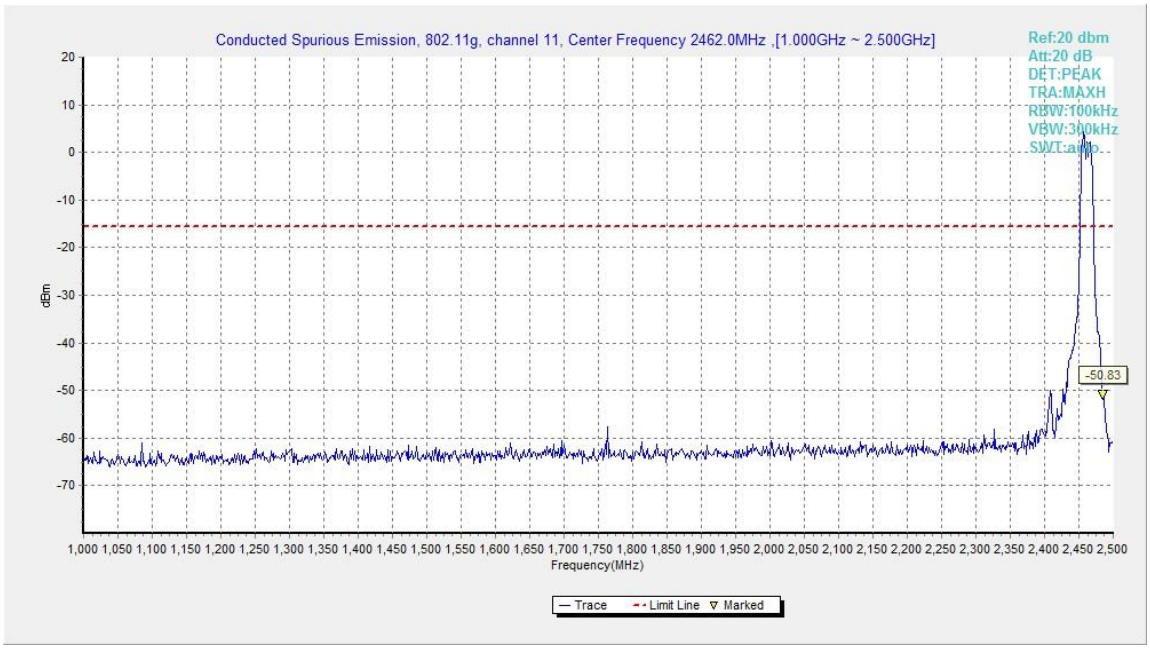


Fig.A.6.1.43 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 1 GHz-2.5 GHz)

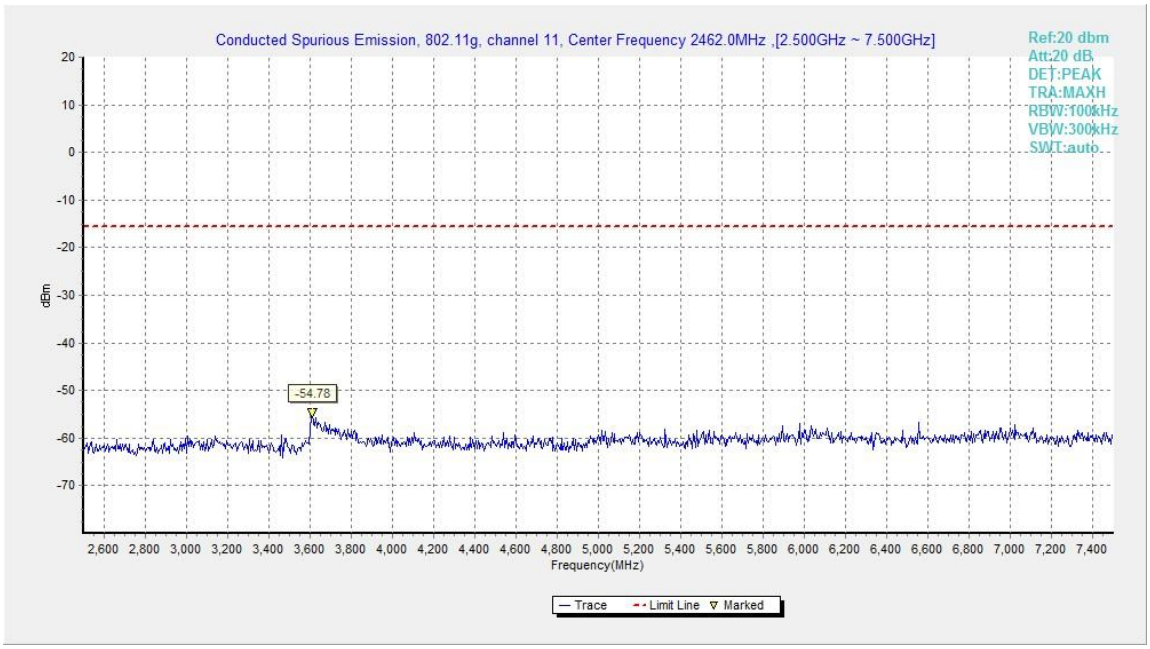


Fig.A.6.1.44 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 2.5 GHz-7.5 GHz)

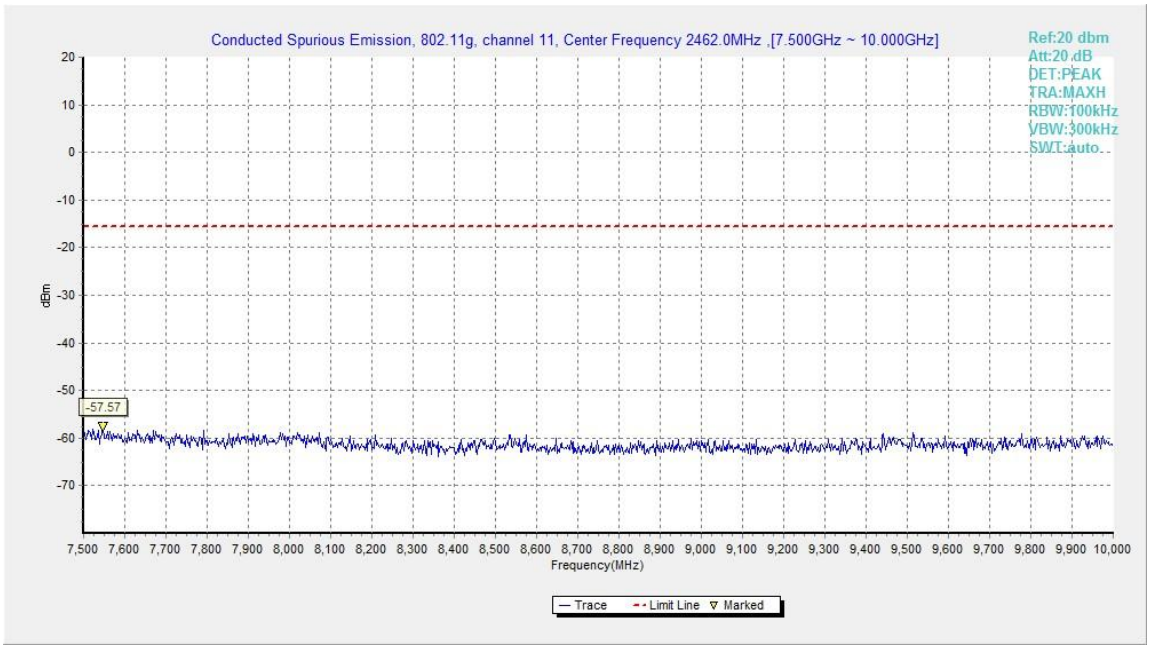


Fig.A.6.1.45 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 7.5 GHz-10 GHz)

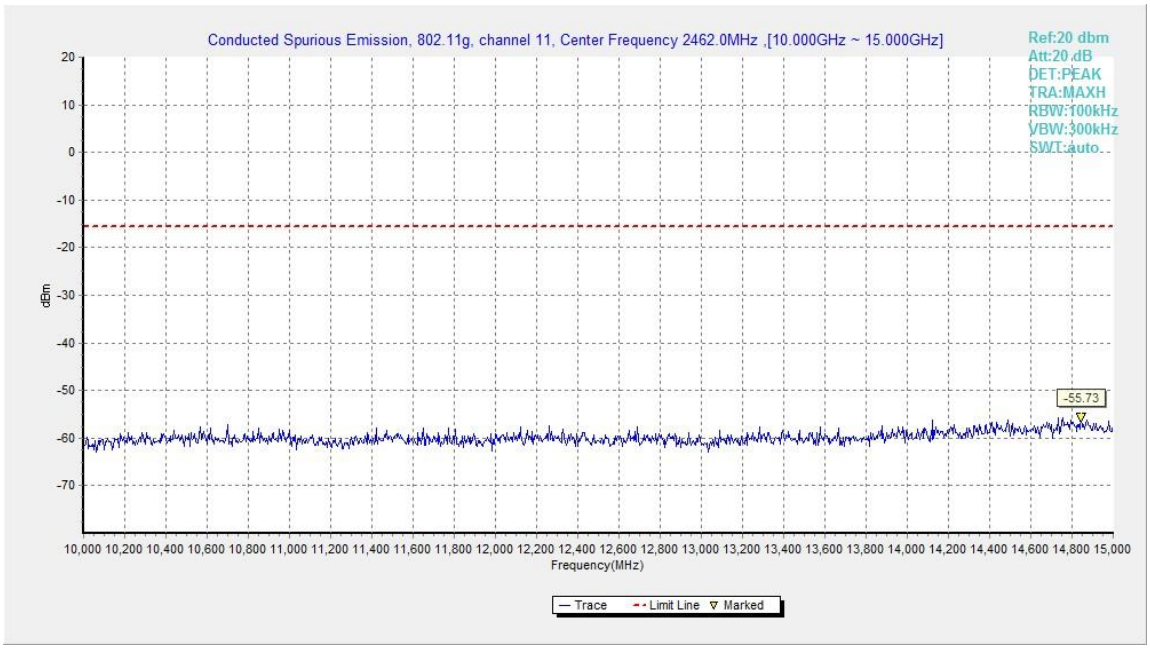


Fig.A.6.1.46 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 10 GHz-15 GHz)

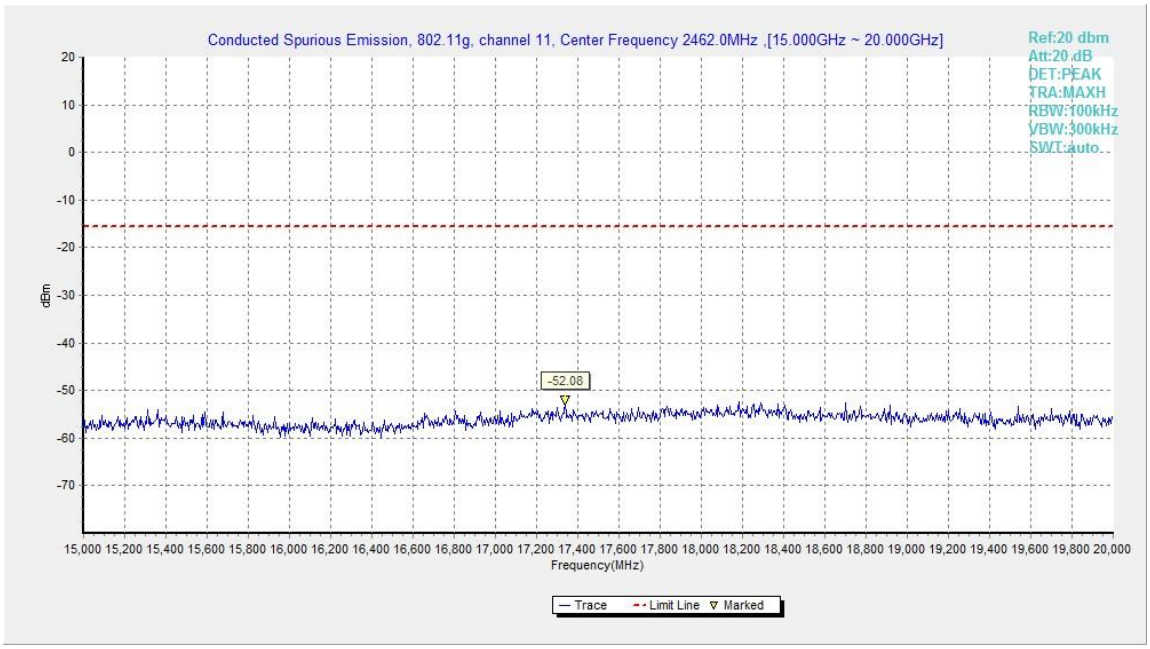


Fig.A.6.1.47 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 15 GHz-20 GHz)

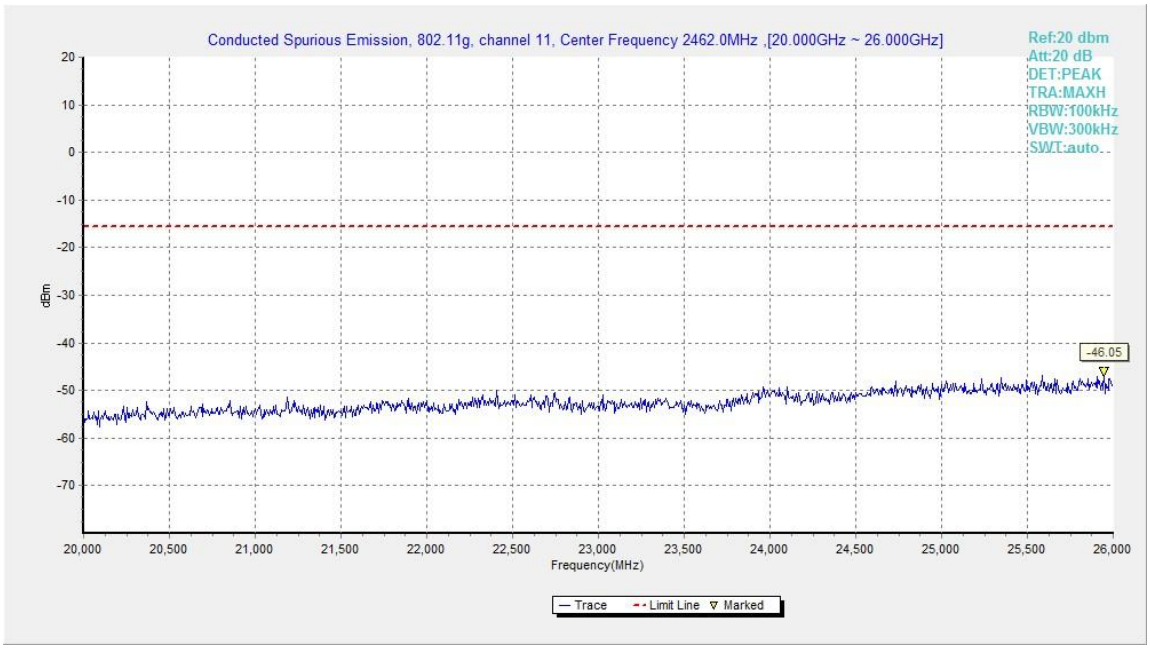


Fig.A.6.1.48 Transmitter Spurious Emission - Conducted (802.11g, Ch11, 20 GHz-26 GHz)

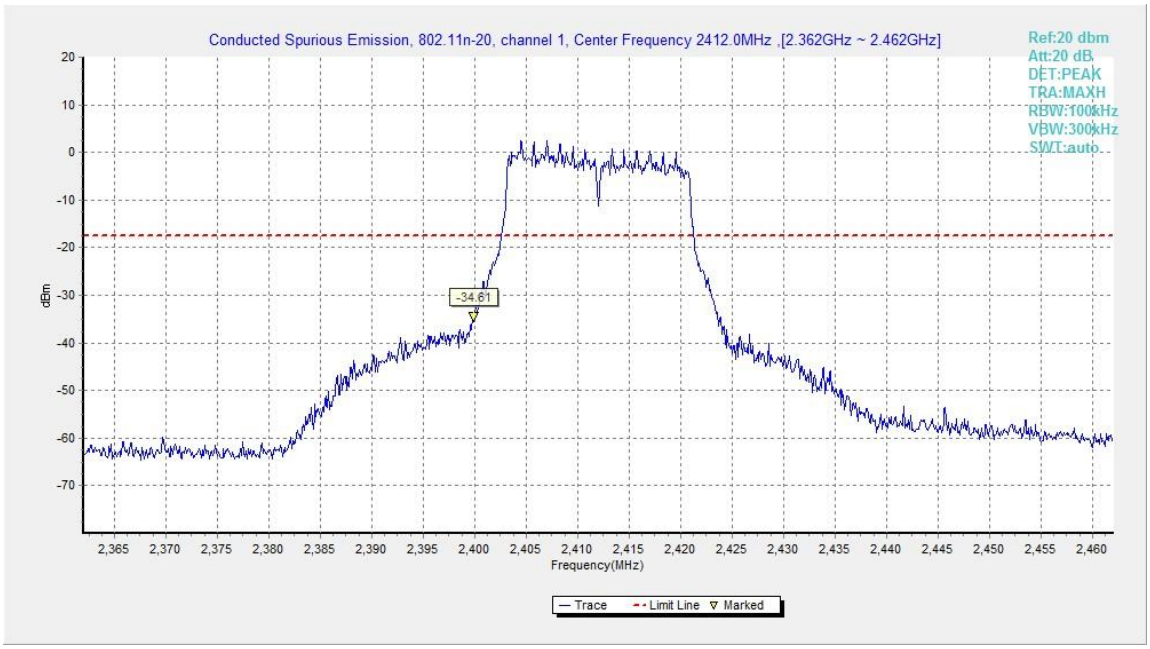


Fig.A.6.1.49 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, Center Frequency)

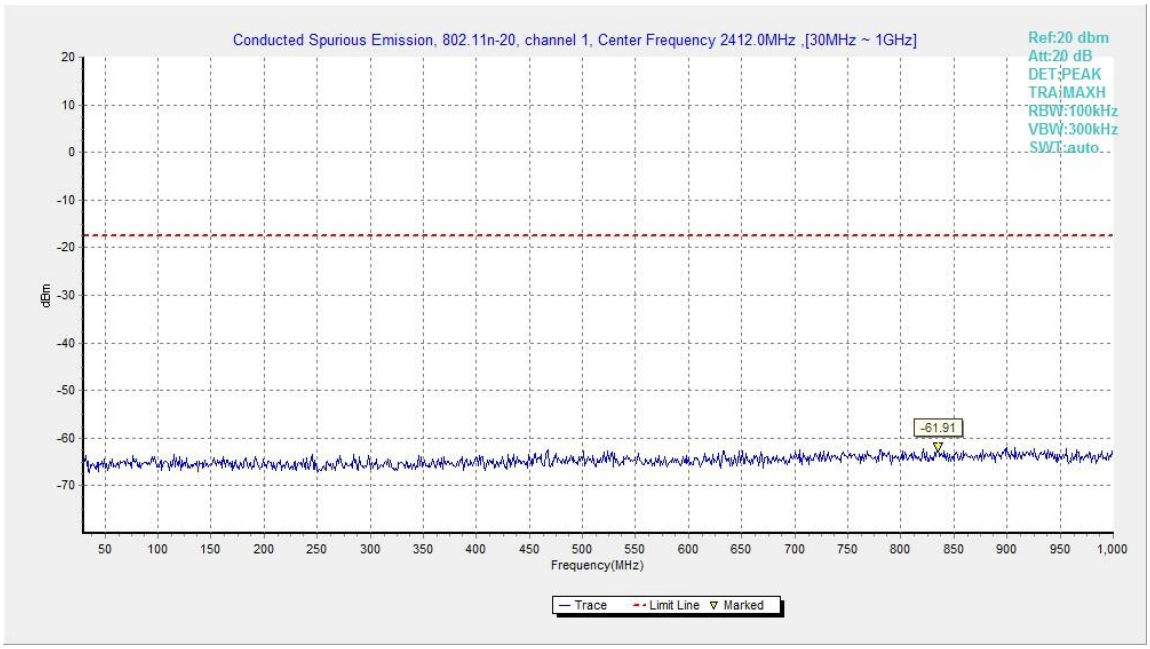


Fig.A.6.1.50 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 30 MHz-1 GHz)

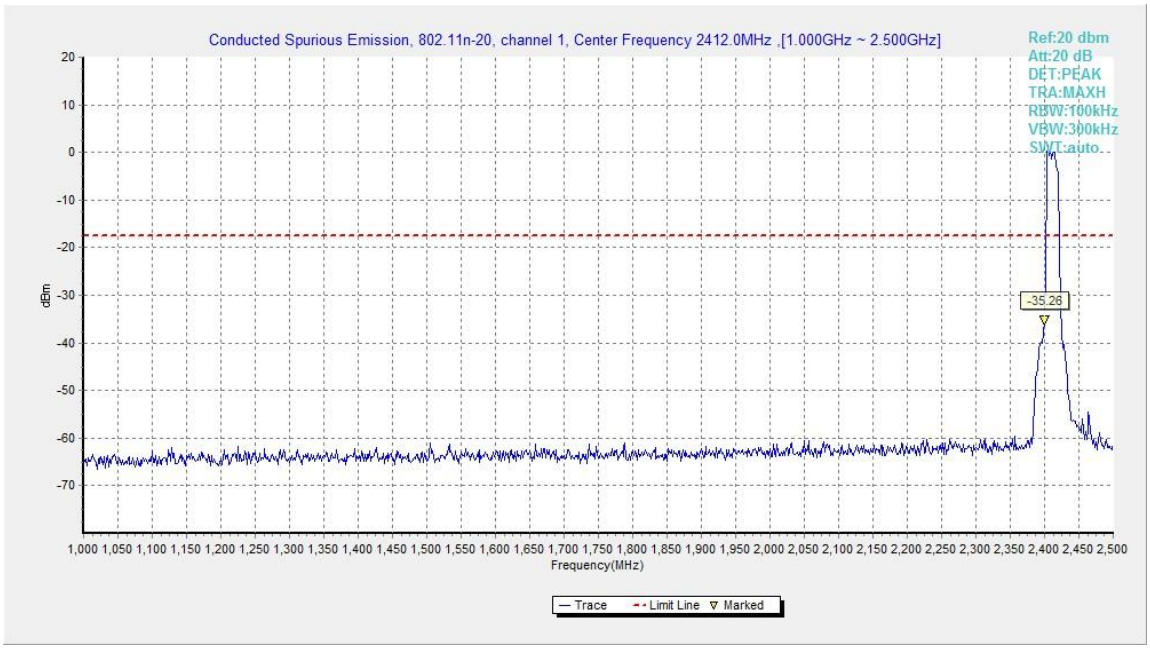


Fig.A.6.1.51 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 1 GHz-2.5 GHz)

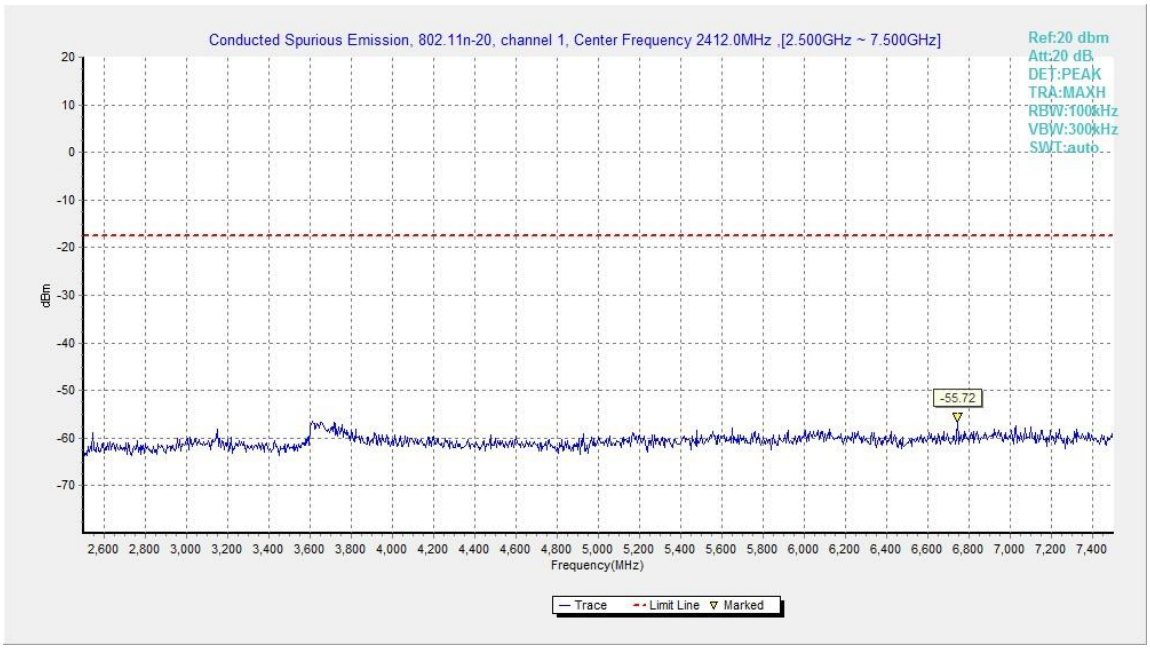


Fig.A.6.1.52 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 2.5 GHz-7.5 GHz)

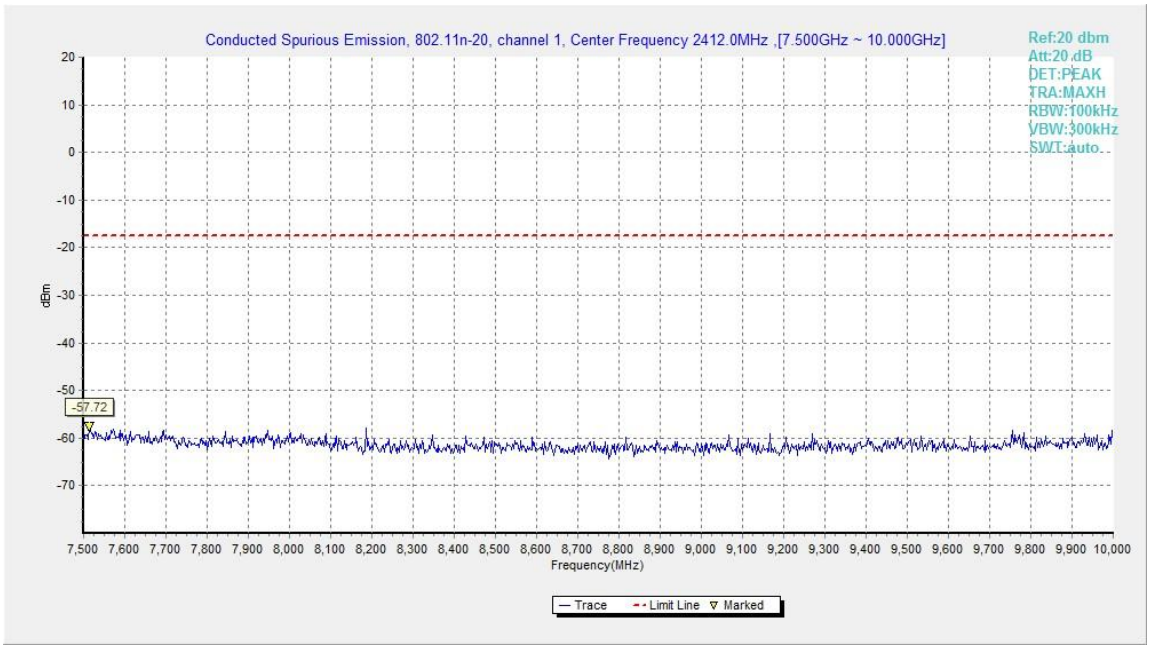


Fig.A.6.1.53 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 7.5 GHz-10 GHz)

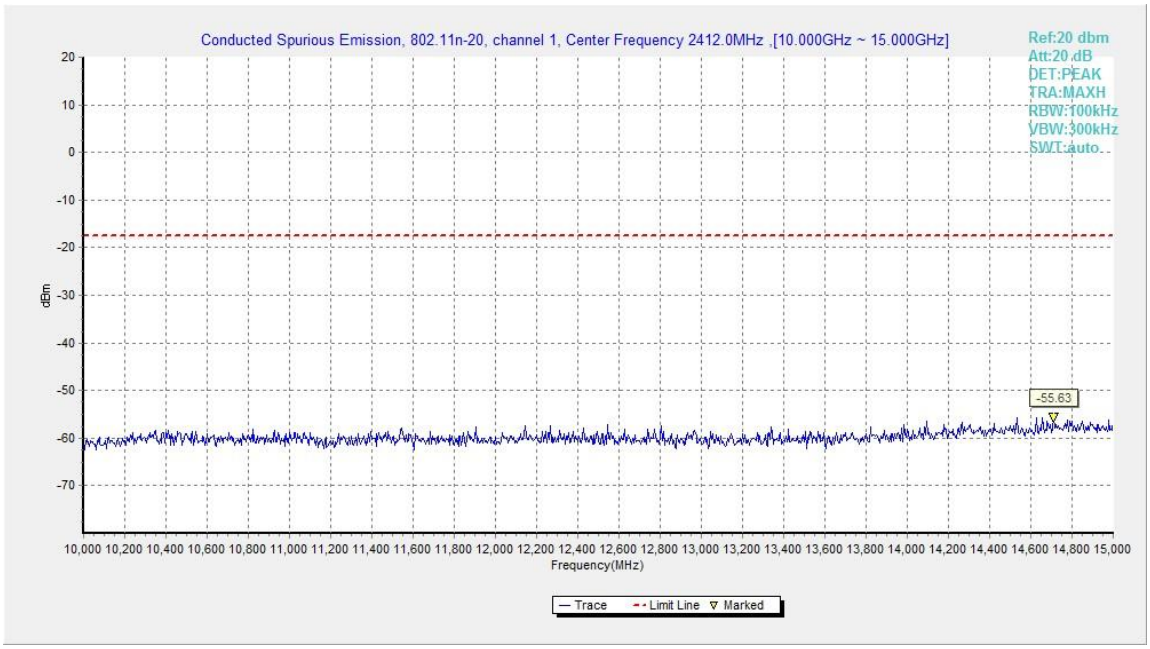


Fig.A.6.1.54 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 10 GHz-15 GHz)

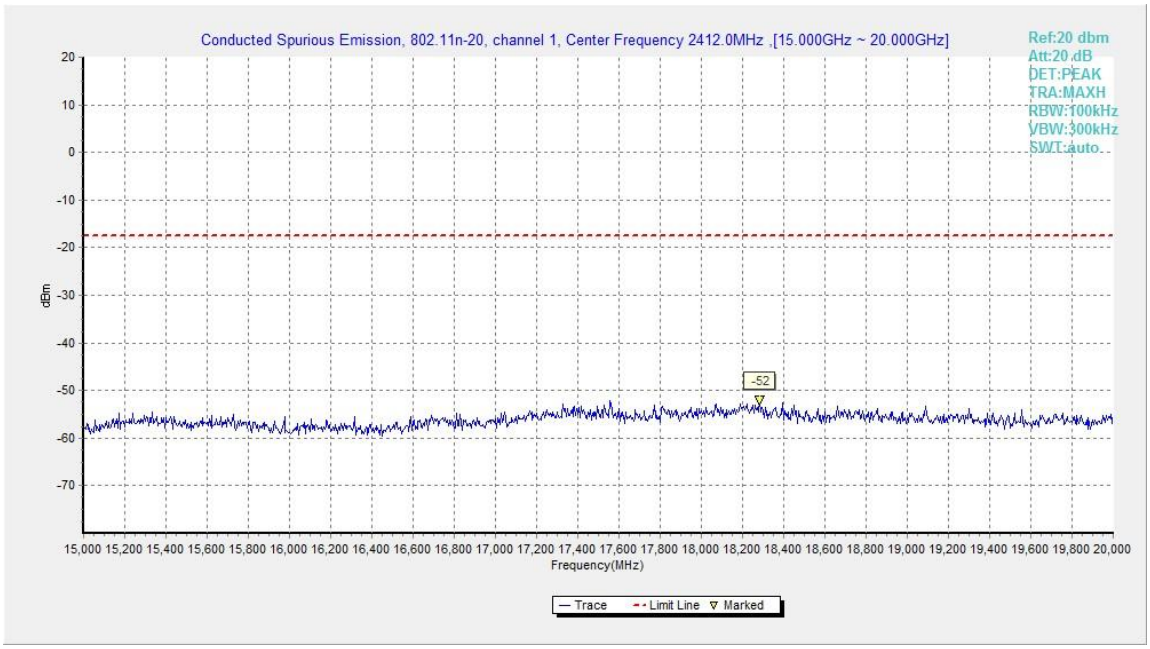


Fig.A.6.1.55 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 15 GHz-20 GHz)

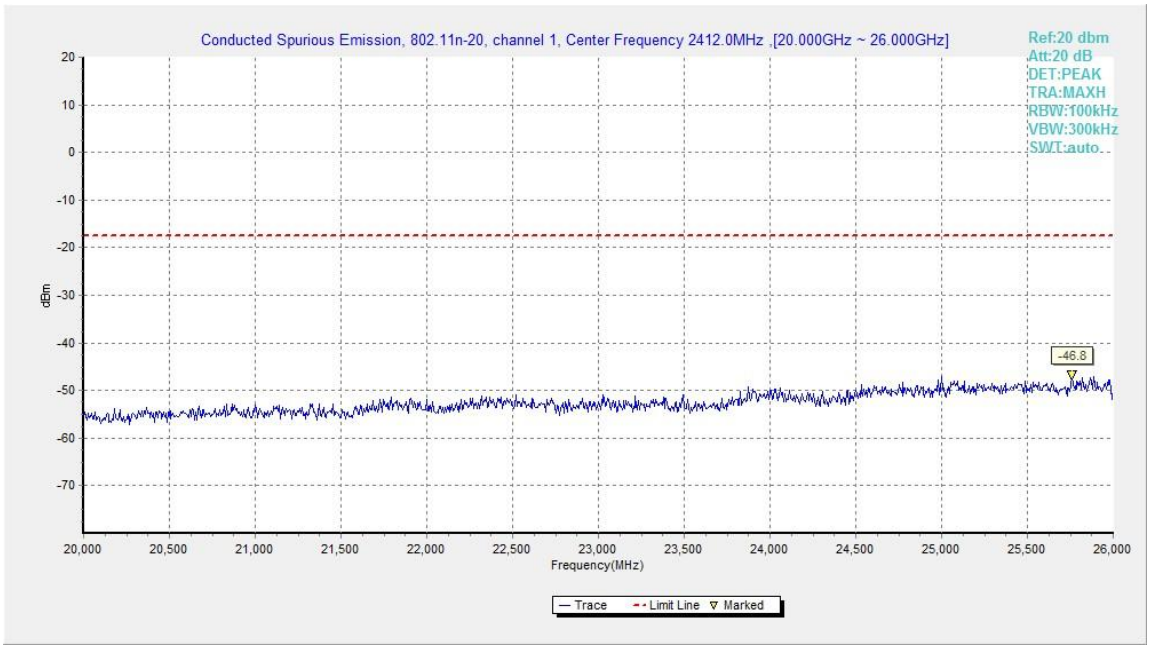


Fig.A.6.1.56 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 20 GHz-26 GHz)

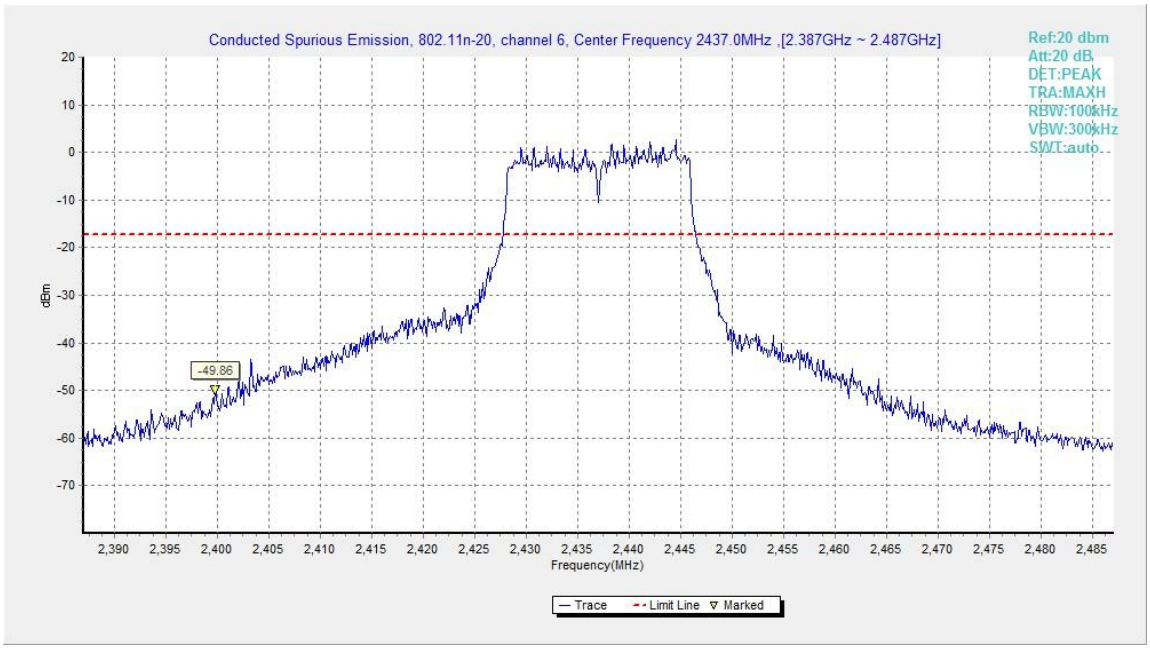


Fig.A.6.1.57 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, Center Frequency)

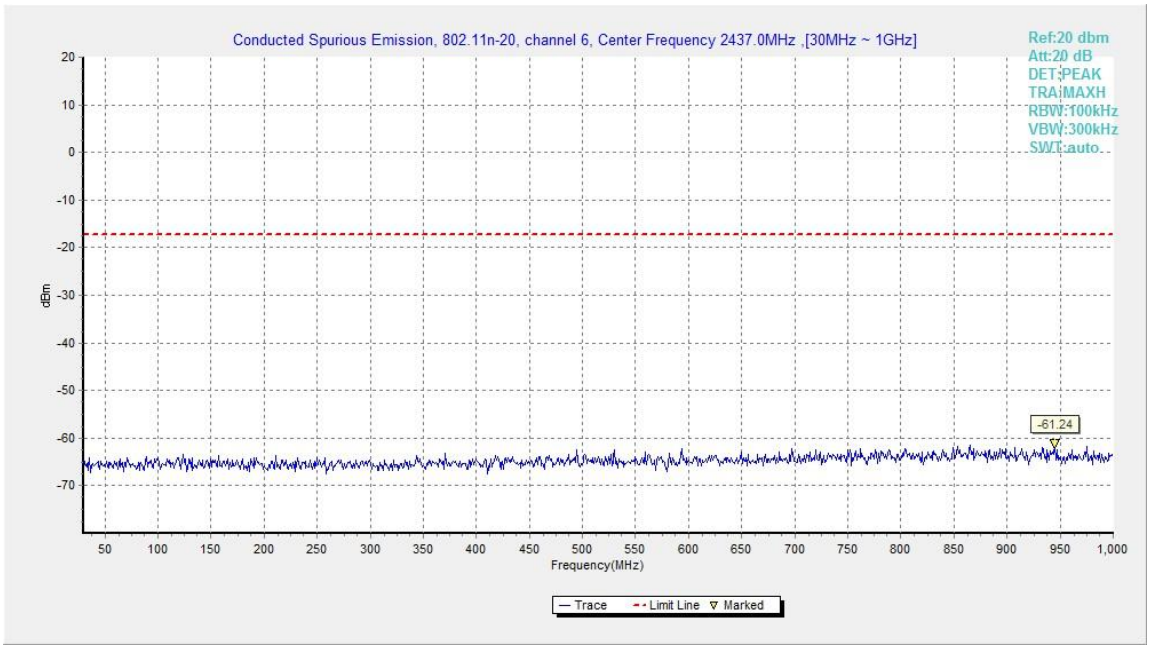


Fig.A.6.1.58 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 30 MHz-1 GHz)

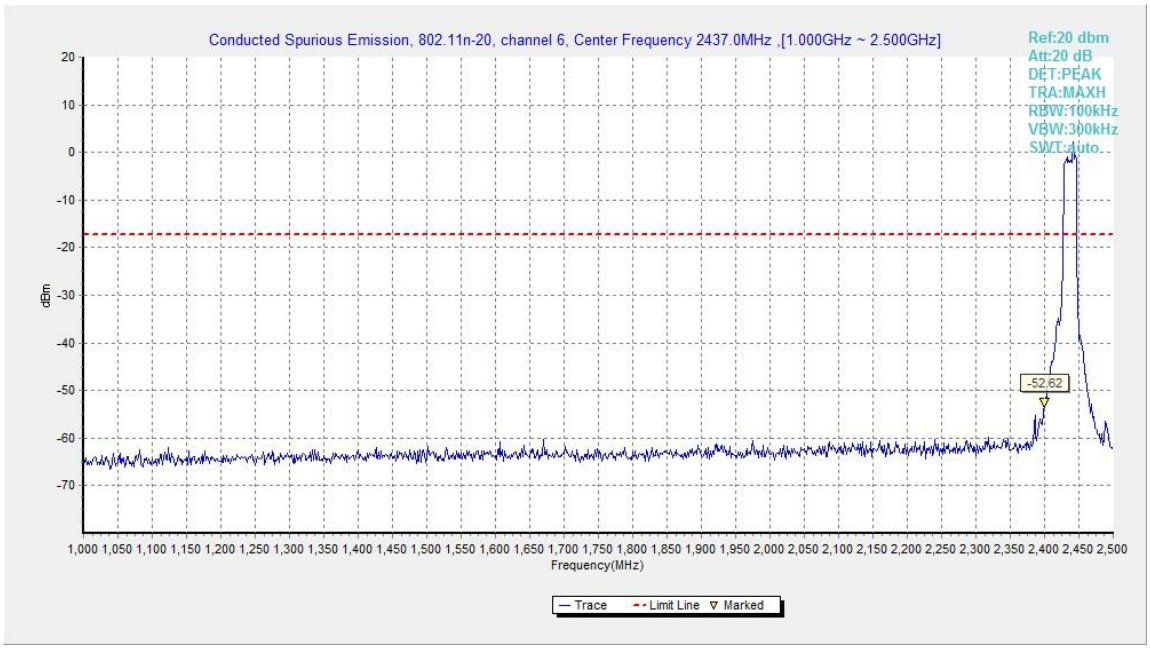


Fig.A.6.1.59 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 1 GHz-2.5 GHz)

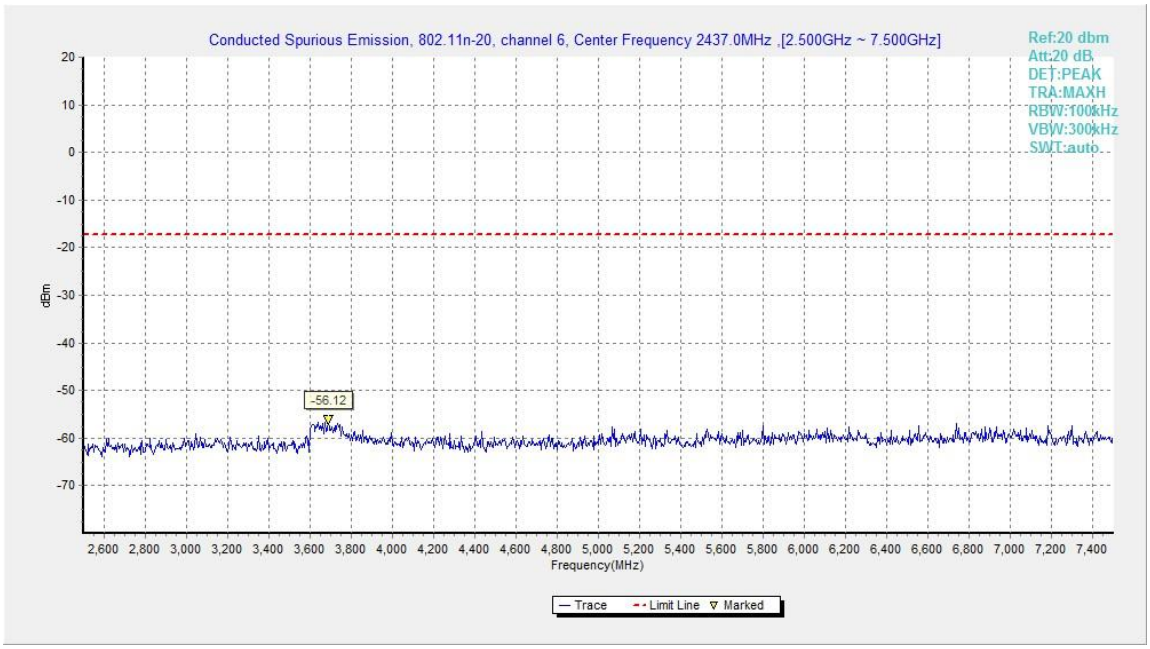


Fig.A.6.1.60 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 2.5 GHz-7.5 GHz)

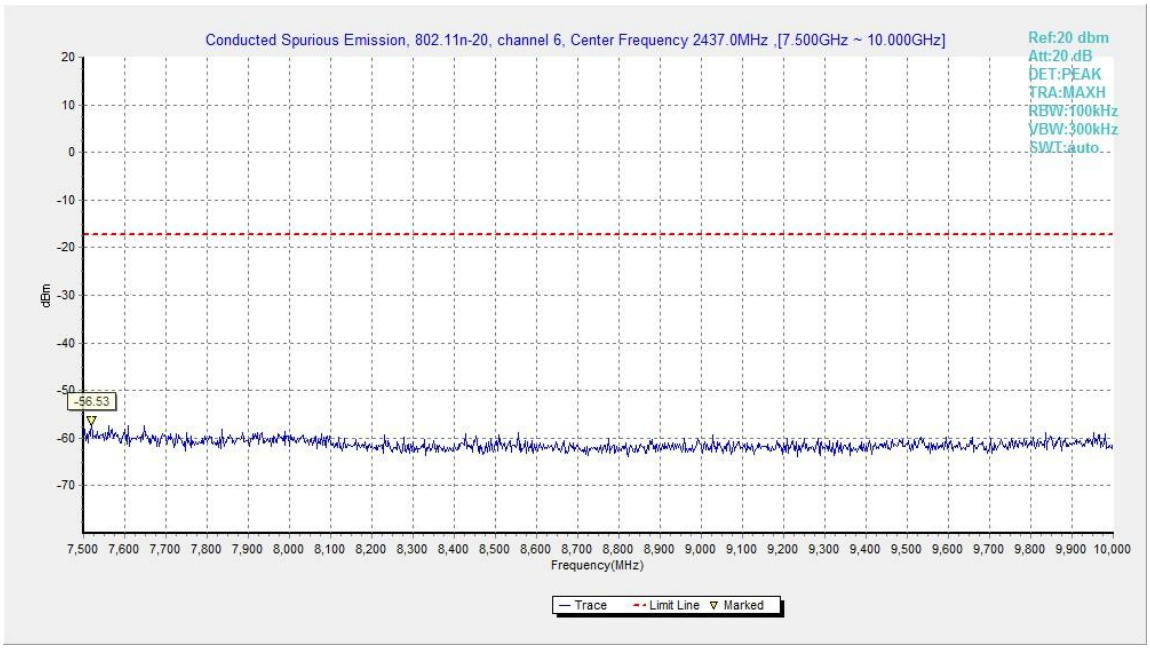


Fig.A.6.1.61 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 7.5 GHz-10 GHz)

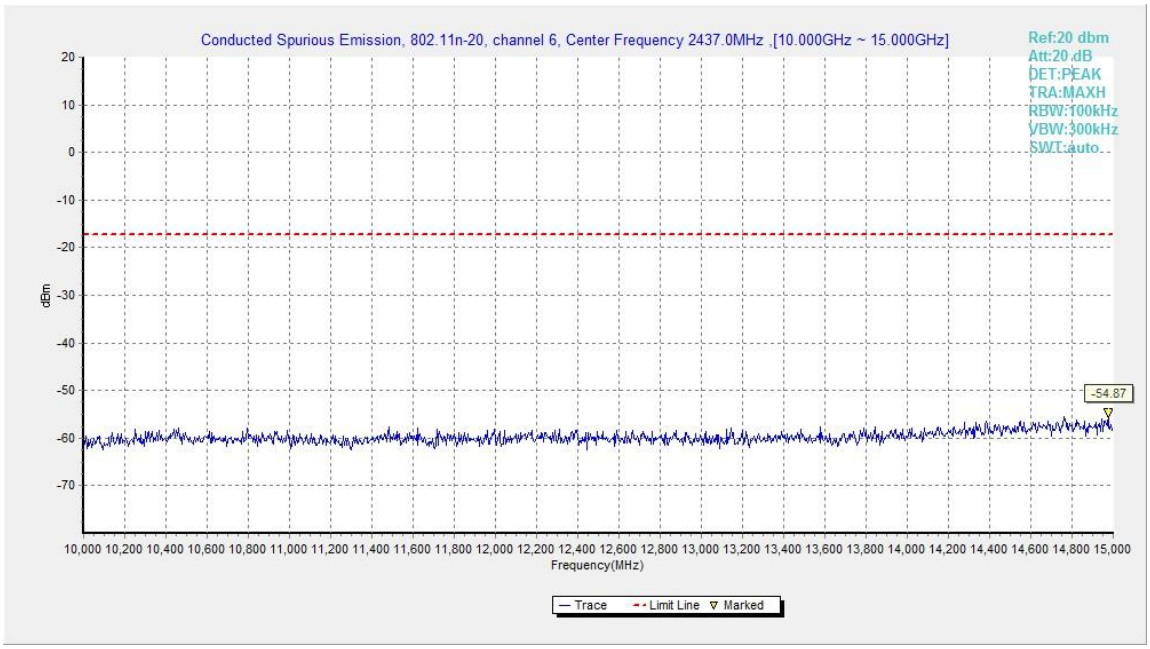


Fig.A.6.1.62 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 10 GHz-15 GHz)

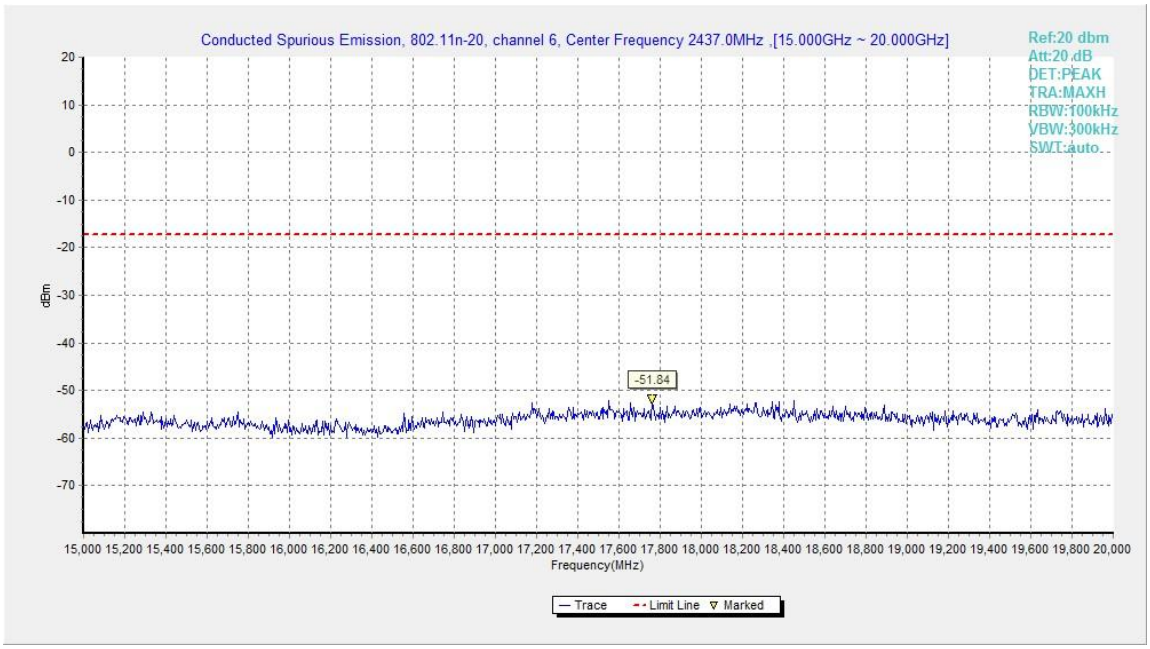


Fig.A.6.1.63 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 15 GHz-20 GHz)

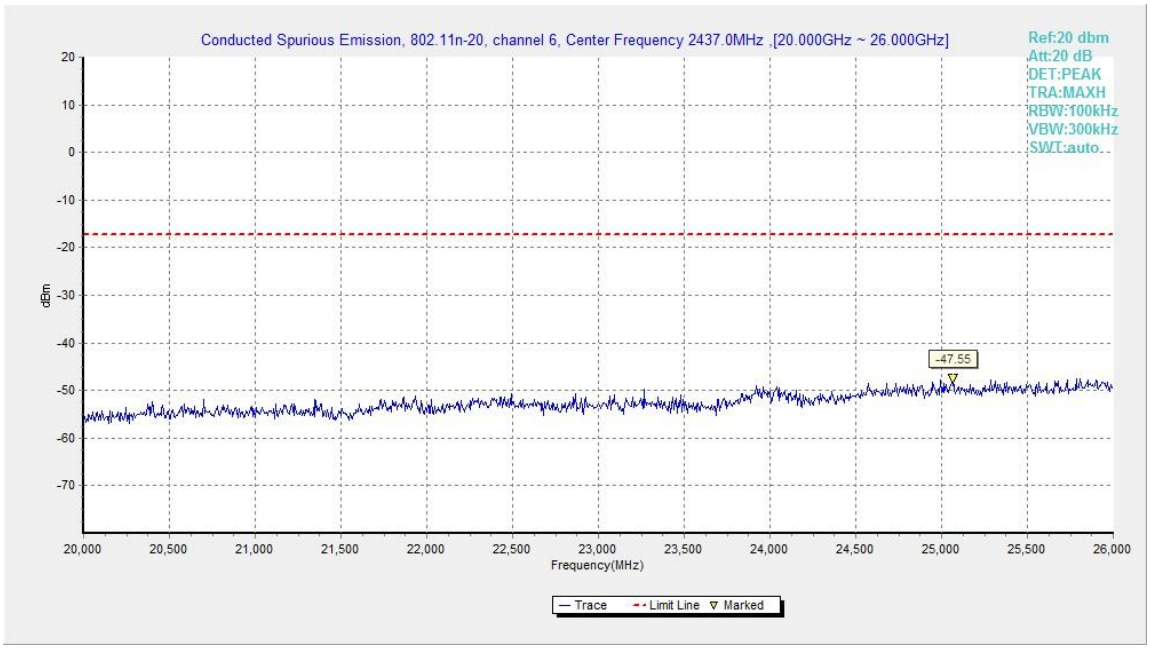


Fig.A.6.1.64 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 20 GHz-26 GHz)

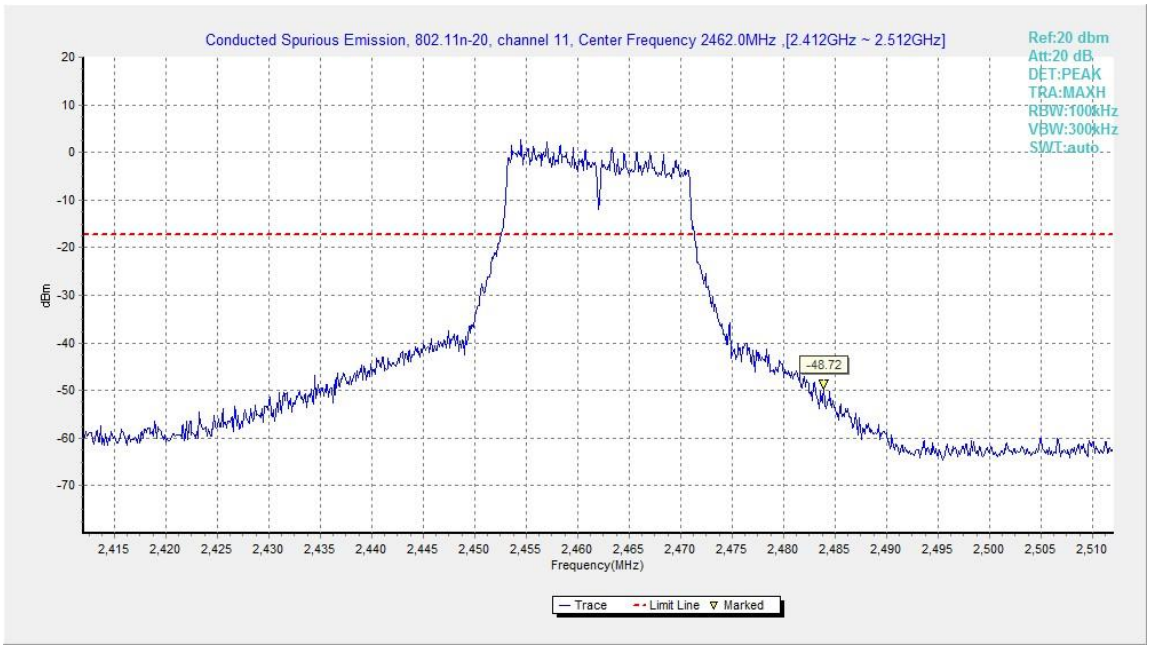


Fig.A.6.1.65 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, Center Frequency)

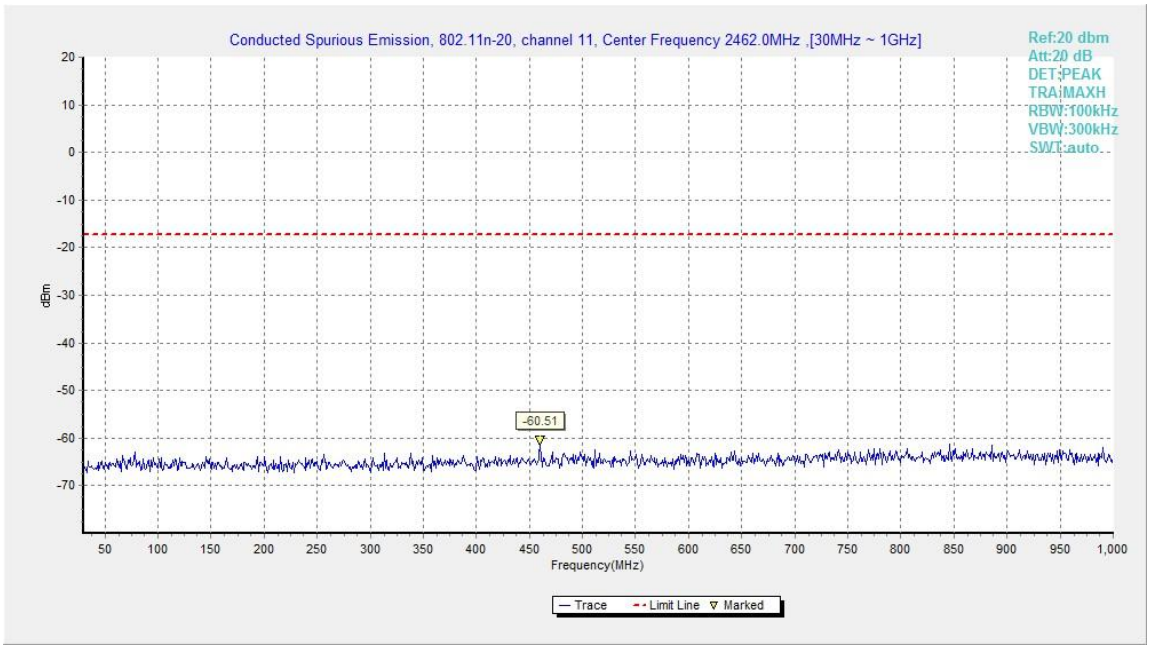


Fig.A.6.1.66 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 30 MHz-1 GHz)

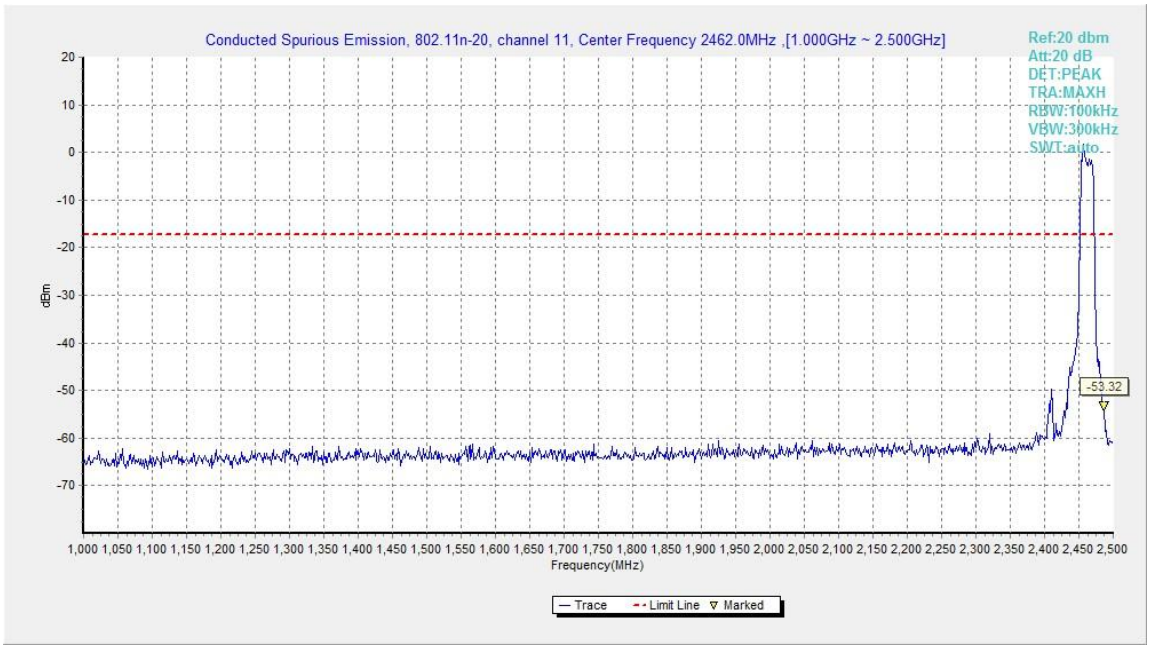


Fig.A.6.1.67 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 1 GHz-2.5 GHz)

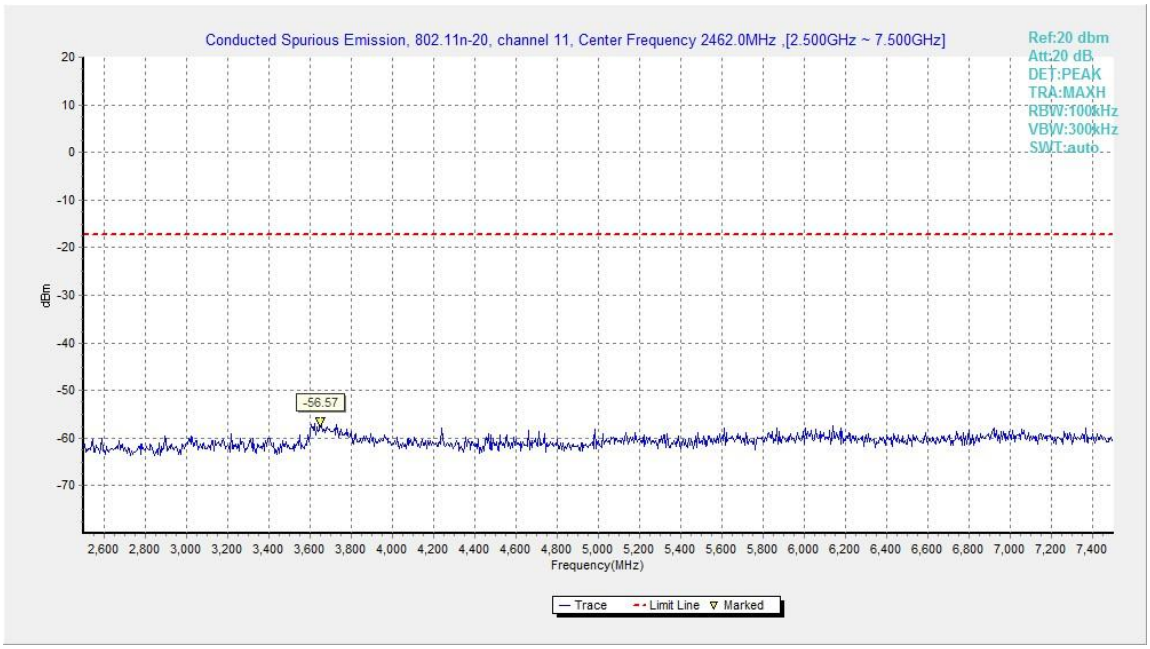


Fig.A.6.1.68 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 2.5 GHz-7.5 GHz)

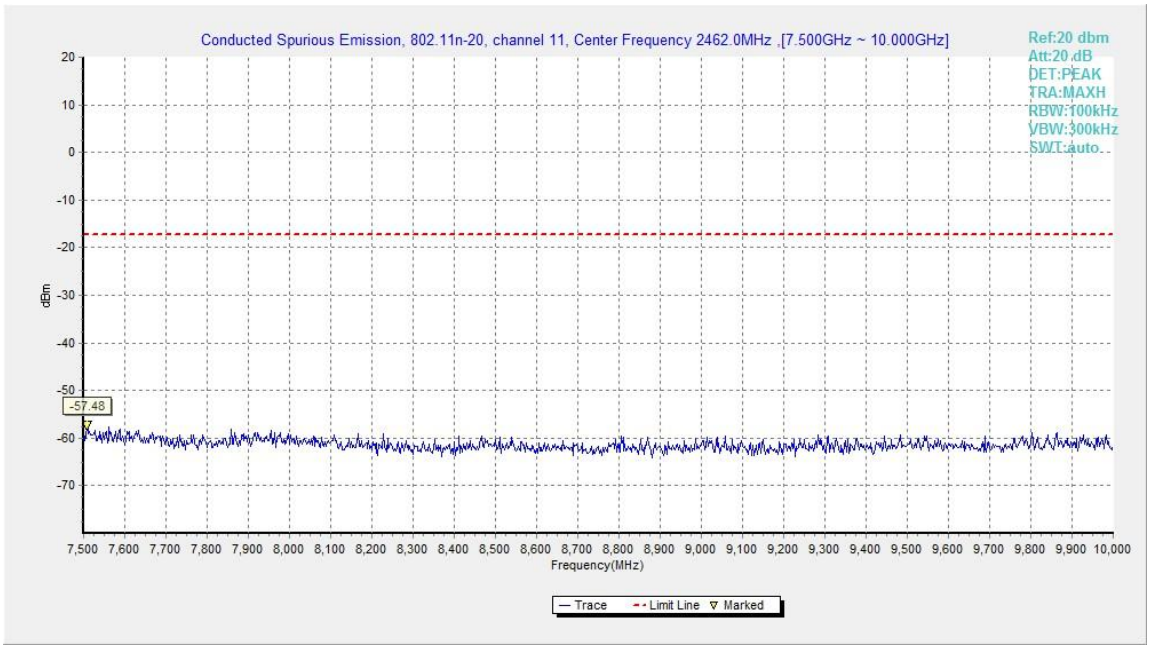


Fig.A.6.1.69 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 7.5 GHz-10 GHz)

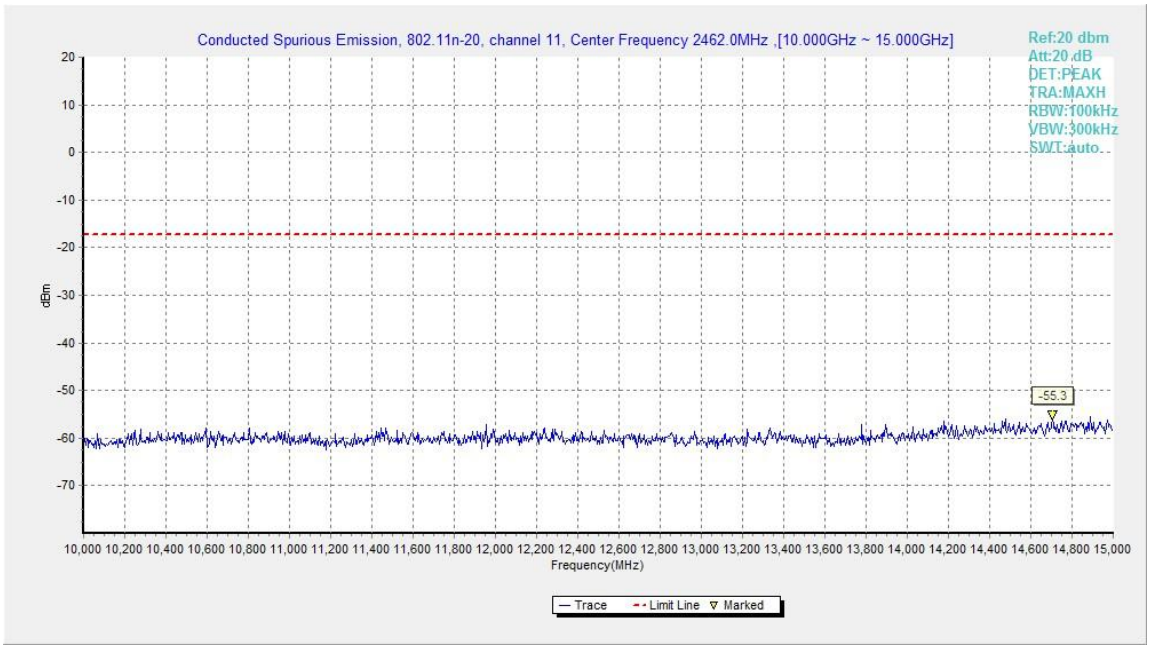


Fig.A.6.1.70 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 10 GHz-15 GHz)

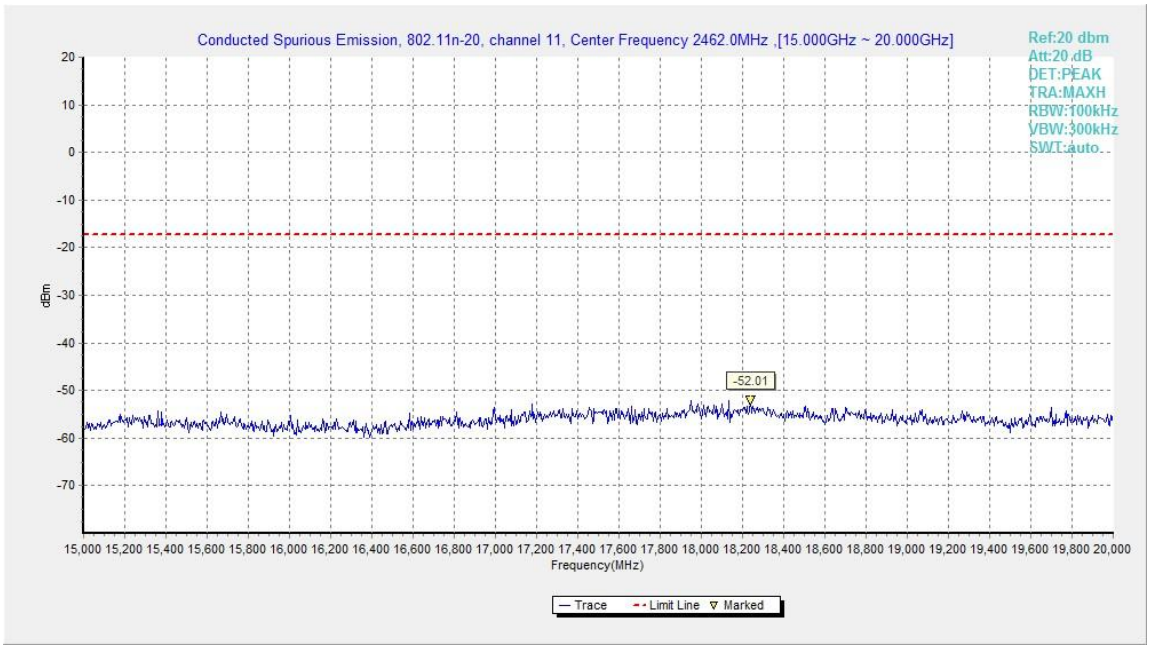


Fig.A.6.1.71 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 15 GHz-20 GHz)

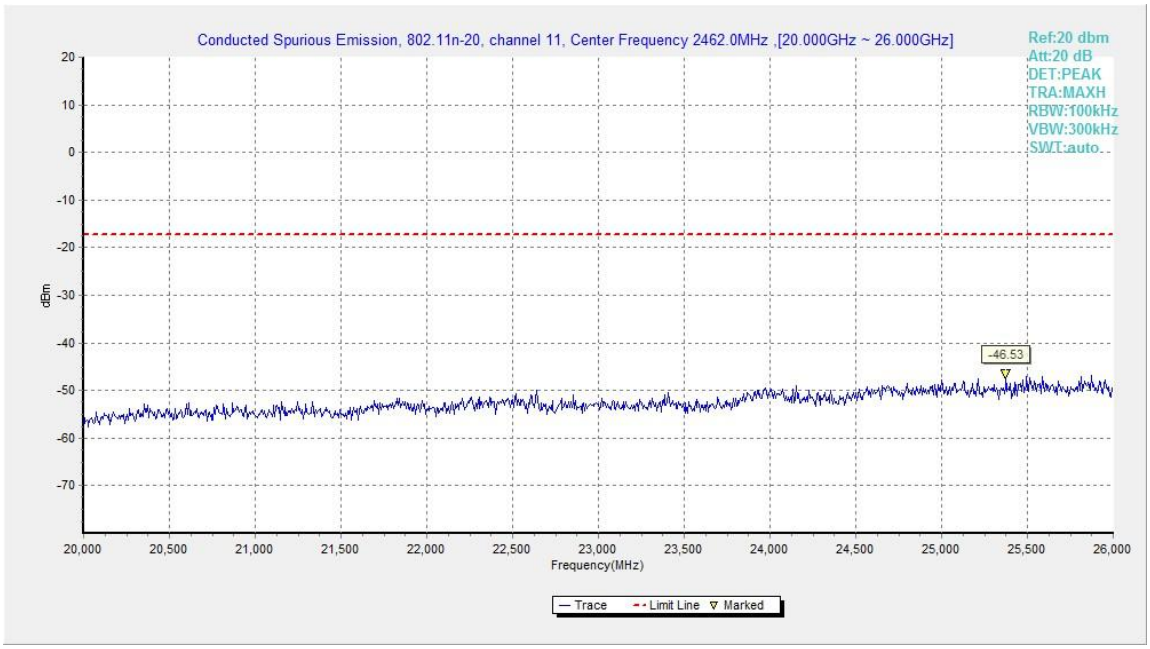


Fig.A.6.1.72 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 20 GHz-26 GHz)

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)
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 for Set.1:

802.11b mode

Mode	Channel	FrequencyRange	Test Results	Conclusion
802.11b	Power	2.38GHz ~2.43GHz	Fig.A.6.2.1	**P**
	1	1 GHz ~ 3 GHz	--	**P**
		3 GHz ~ 18 GHz	--	**P**
	6	9 kHz ~30 MHz	--	**P**
		30 MHz ~1 GHz	--	**P**
		1 GHz ~ 3 GHz	--	**P**
		3 GHz ~ 18 GHz	--	**P**
		18 GHz~ 26.5 GHz	--	**P**
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.2	**P**
	11	1 GHz ~ 3 GHz	--	**P**
		3 GHz ~ 18 GHz	--	**P**

802.11g mode

Mode	Channel	FrequencyRange	Test Results	Conclusion
802.11g	Power	2.38GHz ~2.43GHz	Fig.A.6.2.3	**P**
	1	1 GHz ~ 3 GHz	--	**P**
		3 GHz ~ 18 GHz	--	**P**
	6	30 MHz ~1 GHz	--	**P**
		1 GHz ~ 3 GHz	--	**P**
		3 GHz ~ 18 GHz	--	**P**
		18 GHz~ 26.5 GHz	--	**P**
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.4	**P**
	11	1 GHz ~ 3 GHz	--	**P**
		3 GHz ~ 18 GHz	--	**P**

802.11n-HT20 mode

Mode	Channel	FrequencyRange	Test Results	Conclusion
802.11n (HT20)	Power	2.38GHz ~2.43GHz	Fig.A.6.2.5	**P**
	1	1 GHz ~ 3 GHz	--	**P**
		3 GHz ~ 18 GHz	--	**P**
	6	30 MHz ~1 GHz	--	**P**
		1 GHz ~ 3 GHz	--	**P**
		3 GHz ~ 18 GHz	--	**P**
		18 GHz~ 26.5 GHz	--	**P**
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.6	**P**
	11	1 GHz ~ 3 GHz	--	**P**
		3 GHz ~ 18 GHz	--	**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

802.11b-Average

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2389.850	47.9	-38.8	27.7	59.000	H
17730.000	52.0	-18.5	45.6	12.900	H
17294.000	51.9	-18.5	45.6	12.800	V
17916.500	51.8	-18.5	45.6	12.800	H
17864.000	51.7	-18.5	45.6	12.800	H
17921.500	51.6	-18.5	45.6	12.800	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
17865.000	40.1	-18.5	45.6	13.000	H
17730.000	52.0	-18.5	45.6	13.000	H
17294.000	51.9	-18.5	45.6	12.900	V
17916.500	51.8	-18.5	45.6	12.900	H
17864.000	51.7	-18.5	45.6	12.800	H
17921.500	51.6	-18.5	45.6	12.800	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2483.995	44.9	-38.9	27.7	56.100	H
17730.000	52.0	-18.5	45.6	12.900	H
17294.000	51.9	-18.5	45.6	12.800	V
17916.500	51.8	-18.5	45.6	12.800	H
17864.000	51.7	-18.5	45.6	12.800	H
17921.500	51.6	-18.5	45.6	12.700	H

802.11b-Peak

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2389.450	58.3	-38.8	27.7	69.400	H
17730.000	52.0	-17.7	45.6	24.500	H
17294.000	51.9	-19.5	41.5	29.900	V
17916.500	51.8	-18.5	45.6	24.700	H
17864.000	51.7	-19.2	41.5	29.400	H
17921.500	51.6	-18.5	45.6	24.600	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
17840.500	51.8	-18.5	45.6	24.700	H
17730.000	52.0	-17.7	45.6	23.800	H
17294.000	51.9	-18.5	45.6	24.600	V
17916.500	51.8	-18.5	45.6	24.500	H
17864.000	51.7	-18.9	45.6	24.700	H
17921.500	51.6	-18.5	45.6	24.300	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2484.015	57.1	-38.9	27.7	68.300	H
17730.000	52.0	-19.2	41.5	29.800	H
17294.000	51.9	-18.9	45.6	25.300	V
17916.500	51.8	-18.5	45.6	24.600	H
17864.000	51.7	-19.5	41.5	29.400	H
17921.500	51.6	-19.2	41.5	29.000	H

802.11g- Average

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2389.775	49.4	-38.8	27.7	60.500	H
17730.000	52.0	-18.5	45.6	12.900	H
17294.000	51.9	-18.5	45.6	12.800	V
17916.500	51.8	-18.5	45.6	12.700	H
17864.000	51.7	-18.5	45.6	12.700	H
17921.500	51.6	-18.5	45.6	12.700	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
17854.500	40	-18.5	45.6	12.900	H
17730.000	51.99632	-18.5	45.6	12.800	H
17294.000	51.8802	-18.5	45.6	12.800	V
17916.500	51.75416	-18.5	45.6	12.800	H
17864.000	51.68944	-18.5	45.6	12.700	H
17921.500	51.64669	-18.5	45.6	12.700	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2483.750	51.4	-38.9	27.7	62.600	H
17852.500	40.1	-18.5	45.6	13.000	H
17891.000	39.9	-18.5	45.6	12.800	V
17919.000	39.9	-17.7	45.6	12.000	H
17901.000	39.8	-18.5	45.6	12.700	H
17849.000	39.8	-18.5	45.6	12.700	H

802.11g- Peak

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2389.650	63.7	-38.8	27.7	74.800	H
17730.000	52.0	-19.5	41.5	30.900	H
17294.000	51.9	-19.5	41.5	29.900	V
17916.500	51.8	-18.5	45.6	24.400	H
17864.000	51.7	-19.2	45.6	25.100	H
17921.500	51.6	-18.9	45.6	24.800	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
17814.500	51.8	-18.5	45.6	24.700	H
17730.000	51.99632	-18.9	45.6	24.900	H
17294.000	51.8802	-17.7	45.6	23.700	V
17916.500	51.75416	-18.5	45.6	24.400	H
17864.000	51.68944	-17.7	45.6	23.500	H
17921.500	51.64669	-18.5	45.6	24.300	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2483.730	72.0	-38.9	27.7	83.200	H
17902.500	52.2	-18.5	45.6	25.100	H
17867.000	52.1	-18.5	45.6	25.000	V
17691.000	52.0	-18.9	45.6	25.300	H
17687.500	51.8	-18.9	45.6	25.100	H
17489.500	51.7	-19.2	41.5	29.400	H

802.11n-HT20-Average

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2389.980	49.2	-38.8	27.7	60.300	H
17763.500	40.0	-18.5	45.6	12.900	H
17864.500	39.9	-18.5	45.6	12.800	V
17858.000	39.9	-18.5	45.6	12.800	H
17865.500	39.9	-18.5	45.6	12.800	H
17848.500	39.8	-18.5	45.6	12.700	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
17872.500	40.1	-18.5	45.6	13.000	H
17871.500	40.0	-18.5	45.6	12.900	H
17824.000	39.9	-18.5	45.6	12.800	V
17763.000	39.8	-18.5	45.6	12.700	H
17898.500	39.8	-18.5	45.6	12.700	H
17842.000	39.8	-18.5	45.6	12.700	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2483.540	54.0	-38.9	27.7	65.200	H
17851.500	40.0	-18.5	45.6	12.900	H
17850.500	40.0	-18.5	45.6	12.900	V
17832.500	39.9	-18.5	45.6	12.800	H
17899.500	39.9	-18.5	45.6	12.800	H
17866.500	39.8	-18.5	45.6	12.700	H

802.11n-HT20-Peak

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2389.955	65.2	-38.8	27.7	76.300	H
17325.500	51.9	-19.5	41.5	29.900	H
17678.000	51.7	-18.9	45.6	25.000	V
17451.500	51.7	-19.2	41.5	29.400	H
17776.000	51.6	-18.5	45.6	24.500	H
17833.500	51.4	-18.5	45.6	24.300	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
17895.500	51.7	-18.5	45.6	24.600	H
17803.000	51.5	-18.5	45.6	24.400	H
17386.000	51.4	-19.5	41.5	29.400	V
17879.000	51.4	-18.5	45.6	24.300	H
17414.500	51.3	-19.2	41.5	29.000	H
17435.000	51.3	-19.2	41.5	29.000	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	Receiver Reading (dBμV)	Polarization
2483.655	73.4	-38.9	27.7	84.600	H
17665.000	51.9	-18.9	45.6	25.200	H
17768.000	51.8	-18.5	45.6	24.700	V
17756.000	51.7	-18.5	45.6	24.600	H
17861.500	51.7	-18.5	45.6	24.600	H
17374.500	51.4	-19.5	41.5	29.400	H

Test graphs as below for Set1:

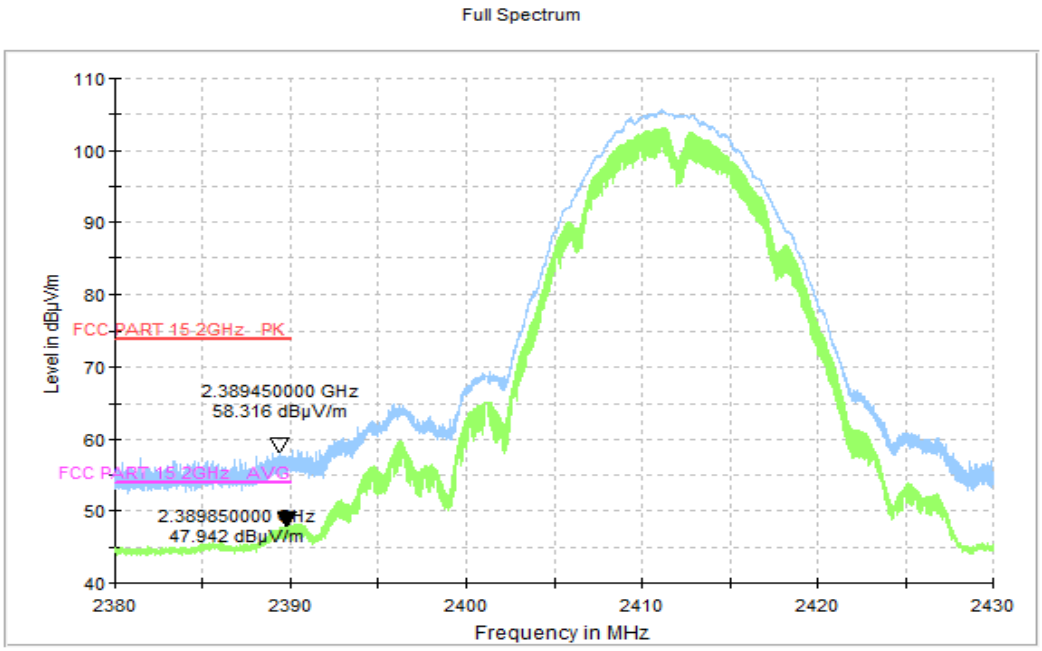


Fig.A.6.2.1 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch1, 2.38 GHz – 2.43GHz

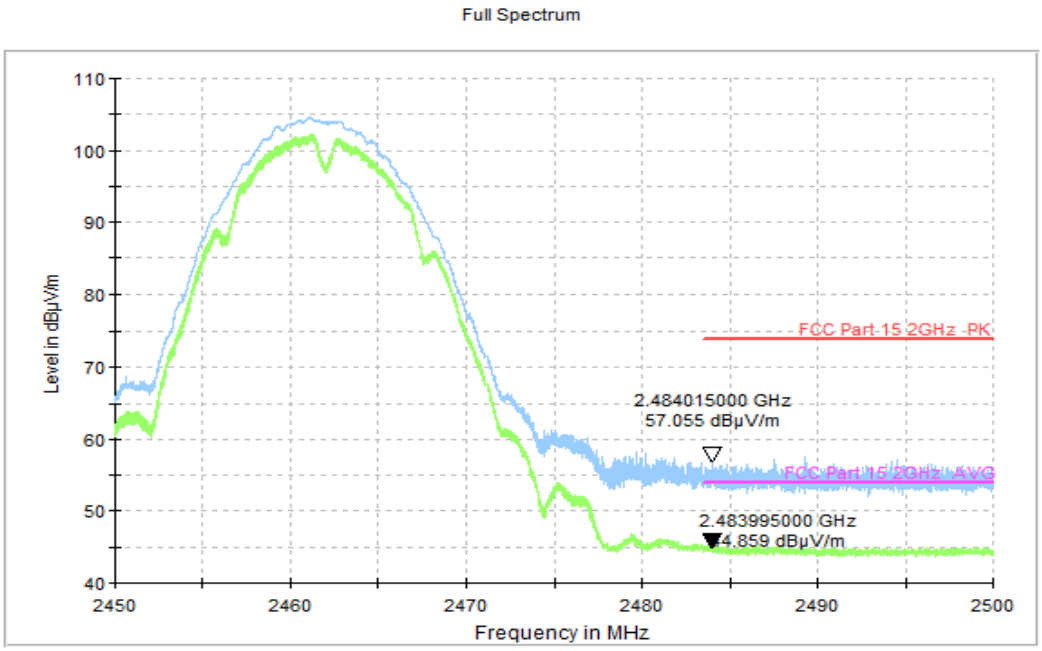


Fig.A.6.2.2 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz

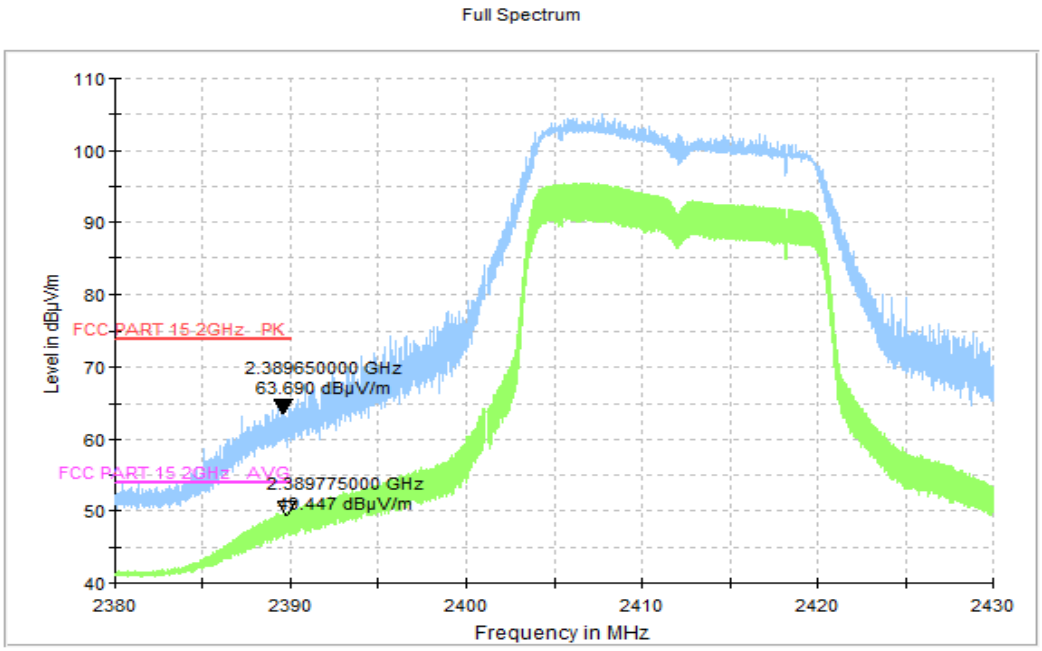
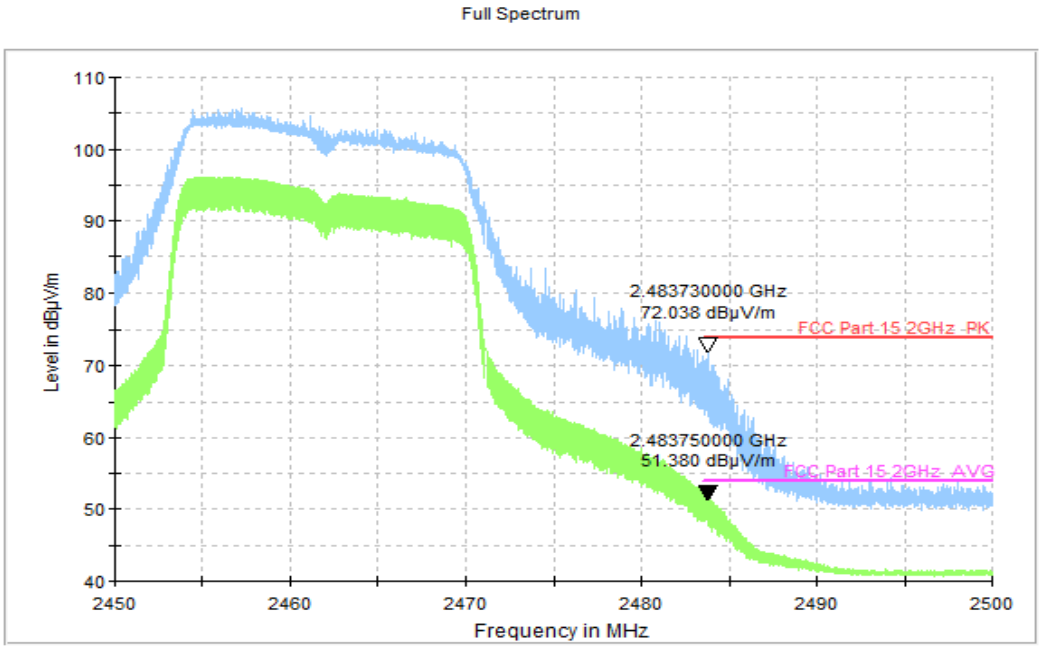


Fig.A.6.2.3 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch1, 2.38 GHz - 2.43GHz



3

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

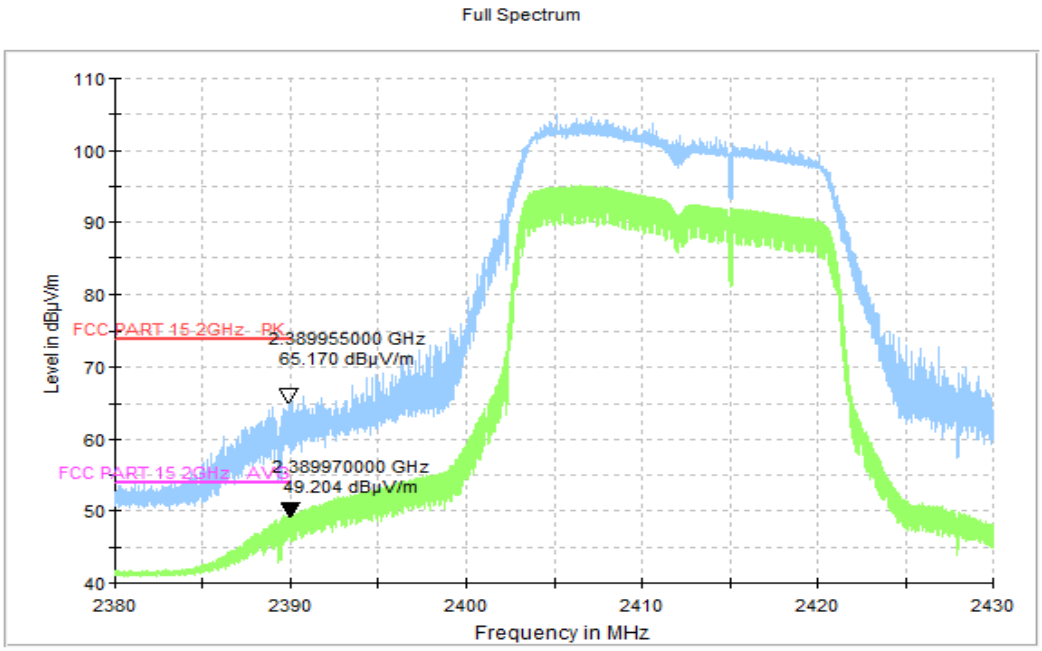


Fig.A.6.2.5 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch1, 2.38 GHz - 2.45GHz

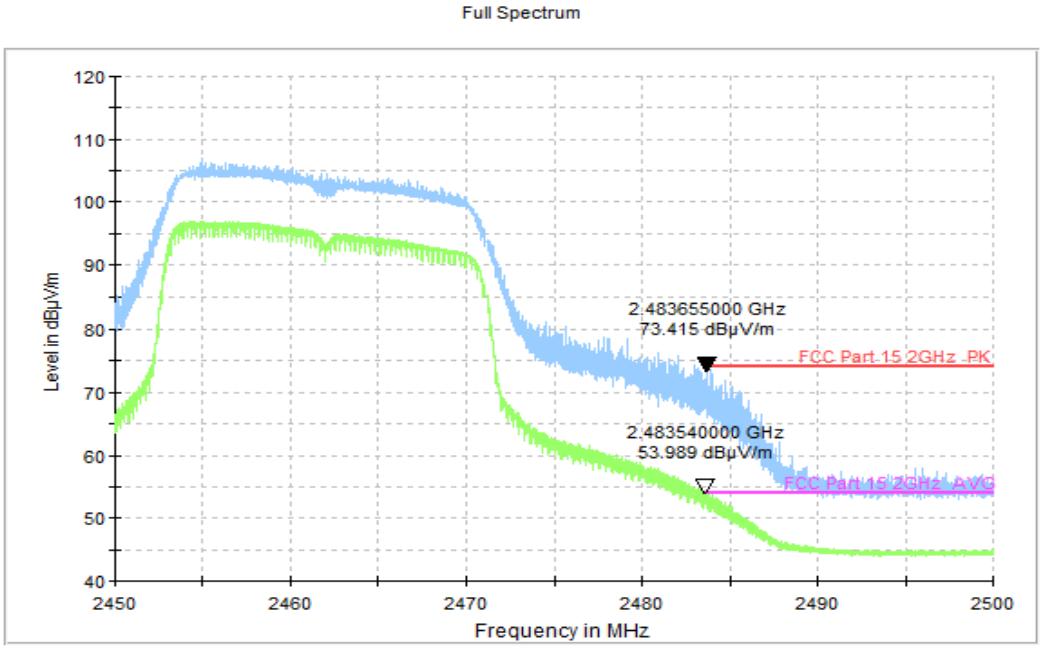


Fig.A.6.2.6 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz

A.7. AC Power-line Conducted Emission

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

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

2 Ifthe EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximizedat the final test location before final ac power-line conducted emission measurements areperformed.

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

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

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

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:

Traffic: Set.1

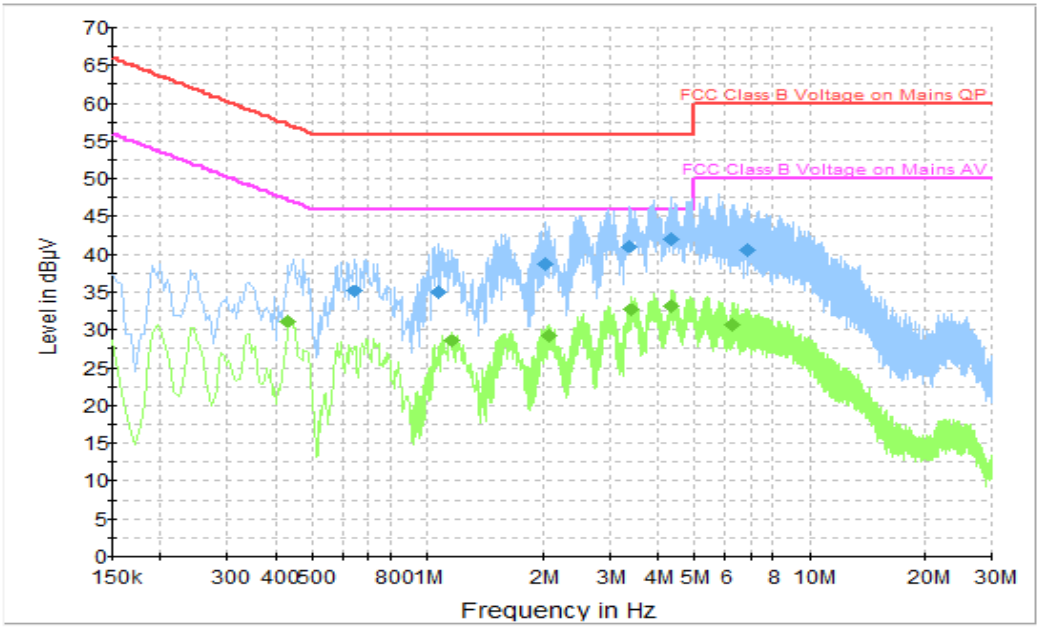


Fig.A.7.1 AC Powerline Conducted Emission-802.11b

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)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.640500	35.2	2000.0	9.000	On	L1	19.9	20.8	56.0
1.068000	35.1	2000.0	9.000	On	L1	19.8	20.9	56.0
2.022000	38.8	2000.0	9.000	On	L1	19.7	17.2	56.0
3.358500	41.1	2000.0	9.000	On	L1	19.7	14.9	56.0
4.353000	42.0	2000.0	9.000	On	L1	19.7	14.0	56.0
6.886500	40.5	2000.0	9.000	On	L1	19.8	19.5	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.433500	31.1	2000.0	9.000	On	L1	19.9	16.1	47.2
1.153500	28.5	2000.0	9.000	On	L1	19.8	17.5	46.0
2.085000	29.3	2000.0	9.000	On	L1	19.7	16.7	46.0
3.430500	32.7	2000.0	9.000	On	L1	19.7	13.3	46.0
4.344000	33.1	2000.0	9.000	On	L1	19.7	12.9	46.0
6.292500	30.8	2000.0	9.000	On	L1	19.8	19.2	50.0

Idle: Set.1

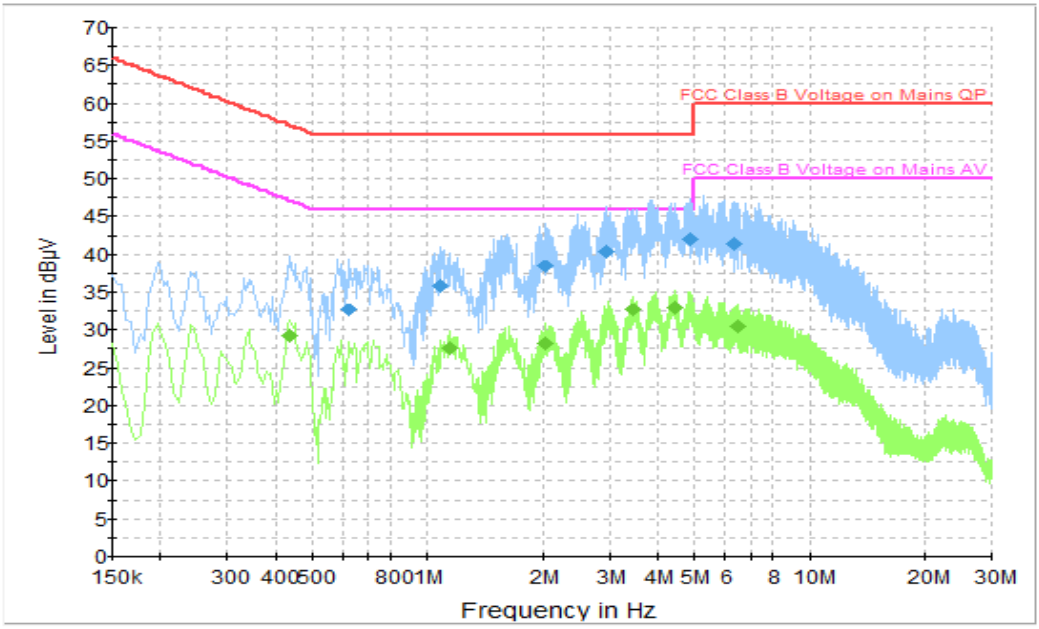


Fig.A.7.2 AC Powerline Conducted Emission-Idle

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)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.627000	32.8	2000.0	9.000	On	L1	19.9	23.2	56.0
1.081500	35.8	2000.0	9.000	On	L1	19.8	20.2	56.0
2.026500	38.4	2000.0	9.000	On	L1	19.7	17.6	56.0
2.926500	40.5	2000.0	9.000	On	L1	19.7	15.5	56.0
4.843500	42.1	2000.0	9.000	On	L1	19.7	13.9	56.0
6.346500	41.5	2000.0	9.000	On	L1	19.8	18.5	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.438000	29.3	2000.0	9.000	On	L1	19.9	17.8	47.1
1.149000	27.6	2000.0	9.000	On	L1	19.8	18.4	46.0
2.026500	28.3	2000.0	9.000	On	L1	19.7	17.7	46.0
3.466500	32.7	2000.0	9.000	On	L1	19.7	13.3	46.0
4.447500	33.0	2000.0	9.000	On	L1	19.7	13.0	46.0
6.459000	30.6	2000.0	9.000	On	L1	19.8	19.4	50.0

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).

2016-09-29 through 2017-09-30
Effective Dates

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

For the National Voluntary Laboratory Accreditation Program

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