

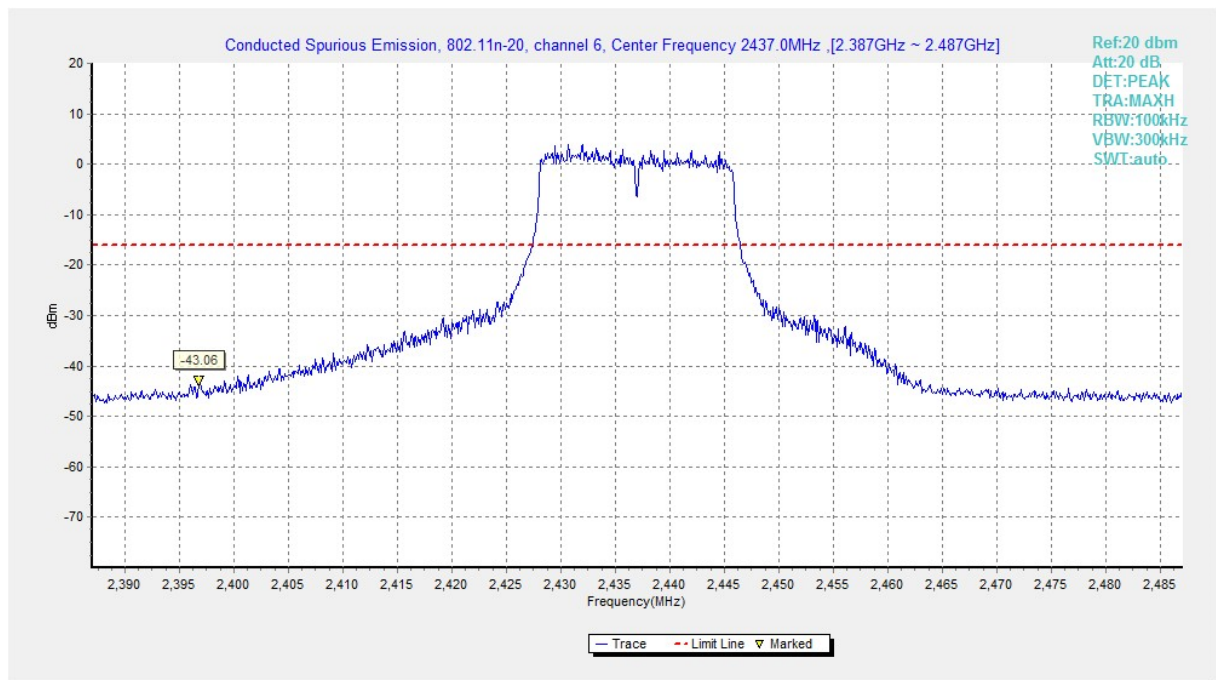


Fig.A.6.1.57 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, Center Frequency)

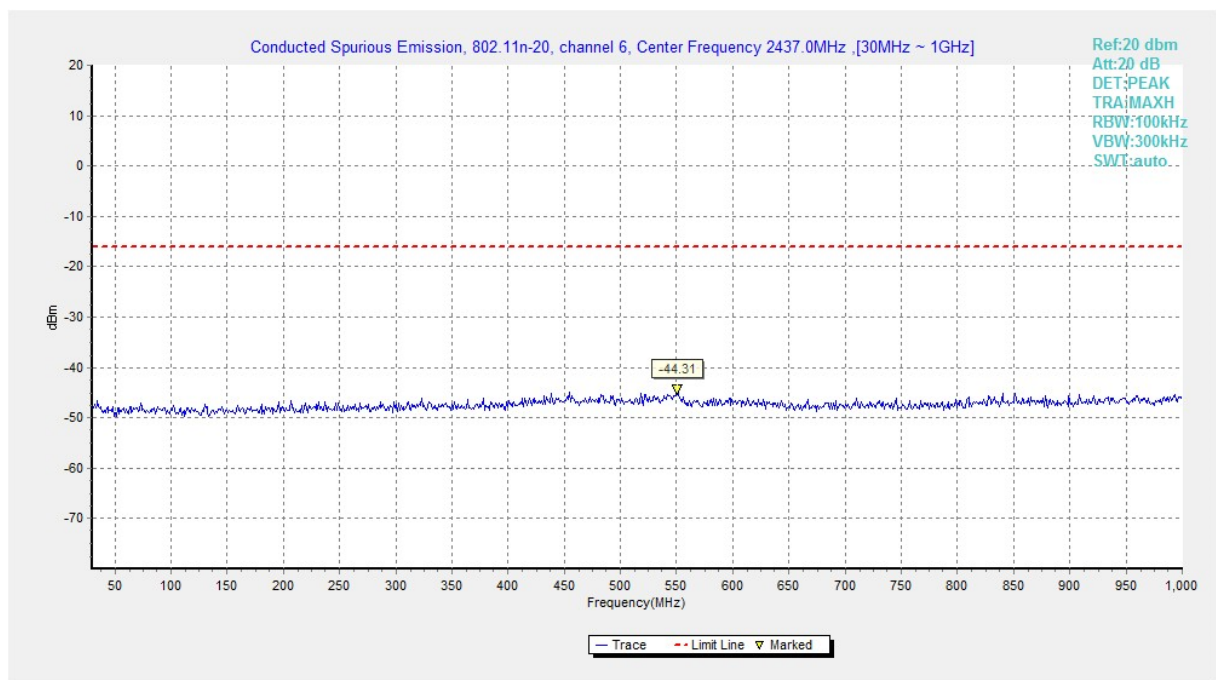


Fig.A.6.1.58 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 30 MHz-1 GHz)

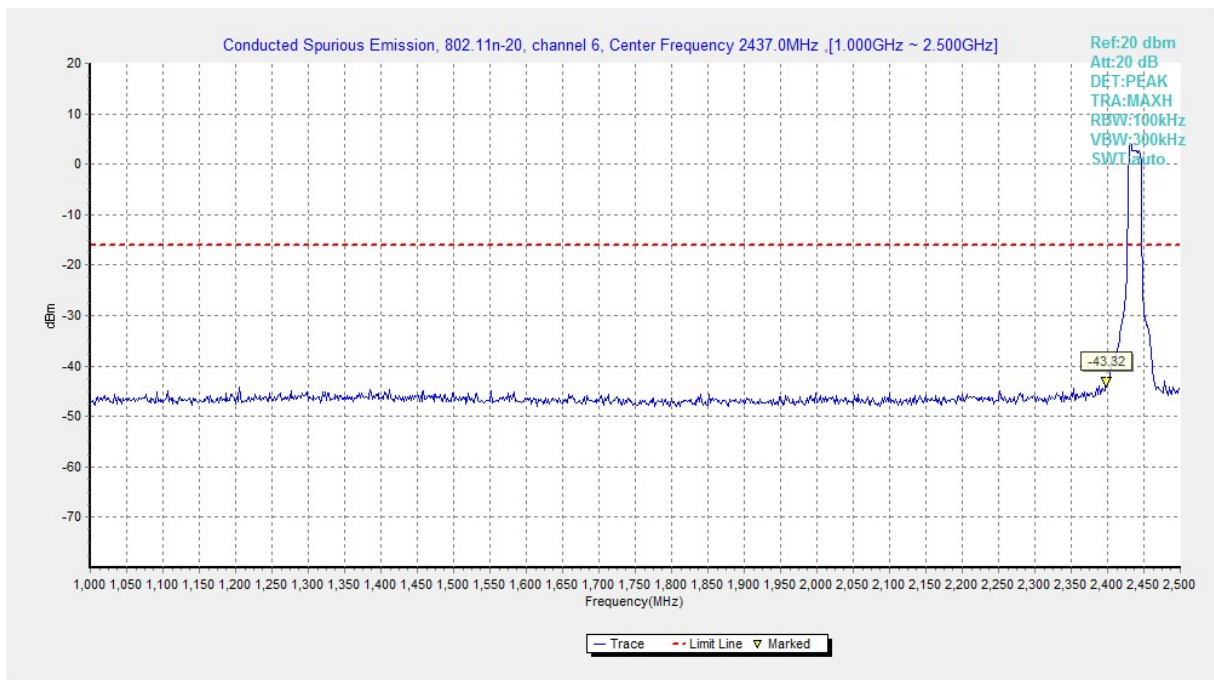


Fig.A.6.1.59 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 1 GHz-2.5 GHz)

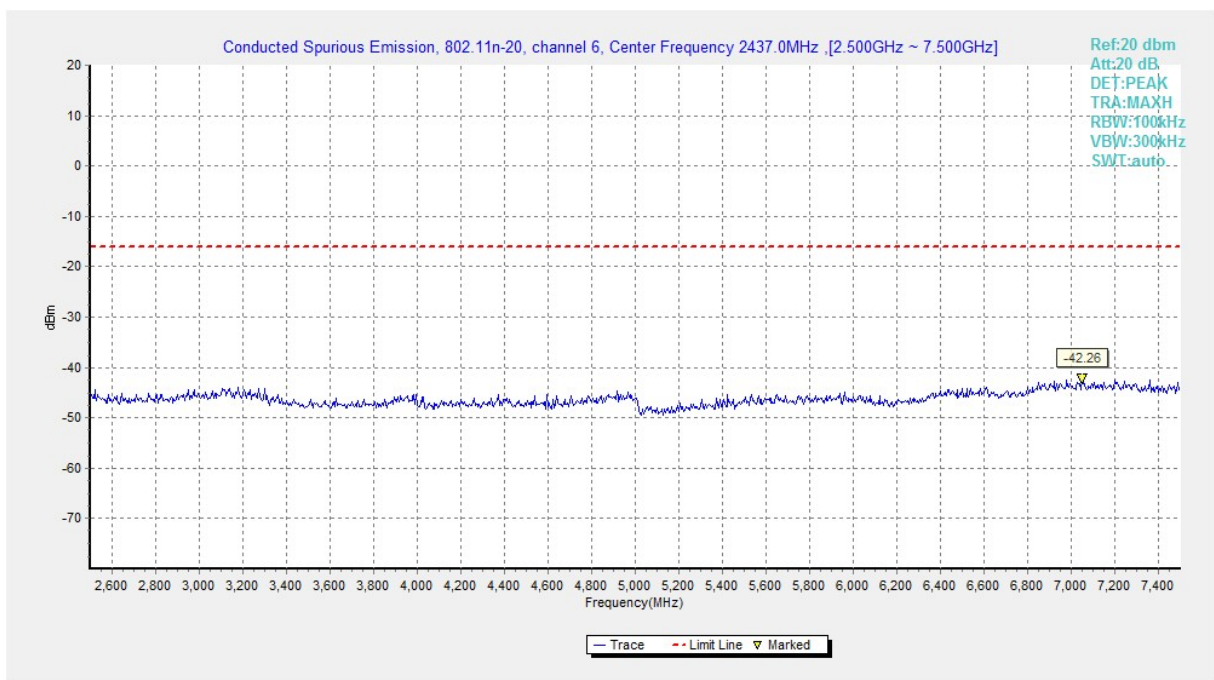


Fig.A.6.1.60 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 2.5 GHz-7.5 GHz)

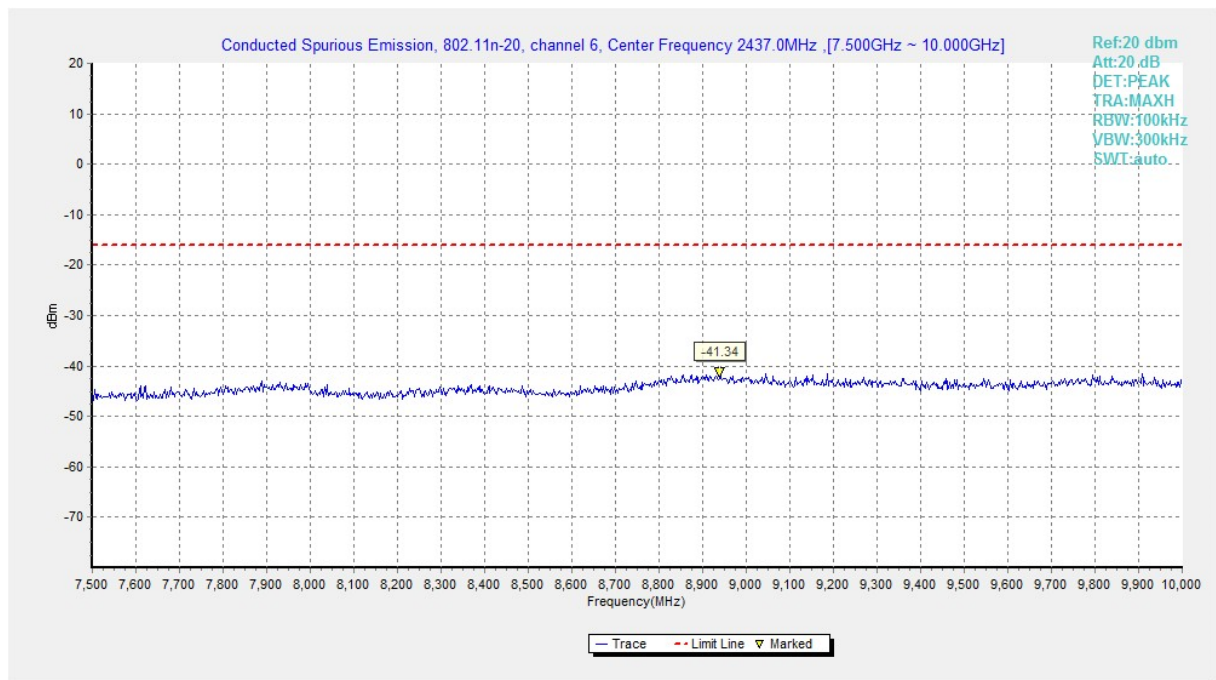


Fig.A.6.1.61 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 7.5 GHz-10 GHz)

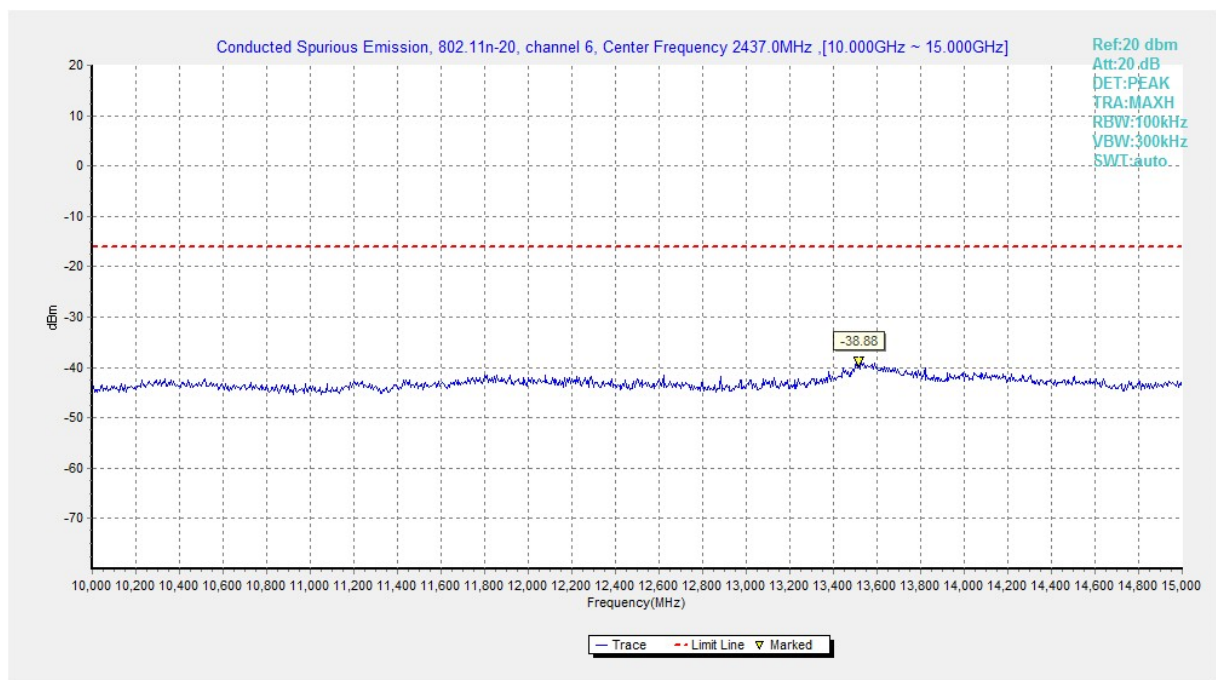


Fig.A.6.1.62 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 10 GHz-15 GHz)

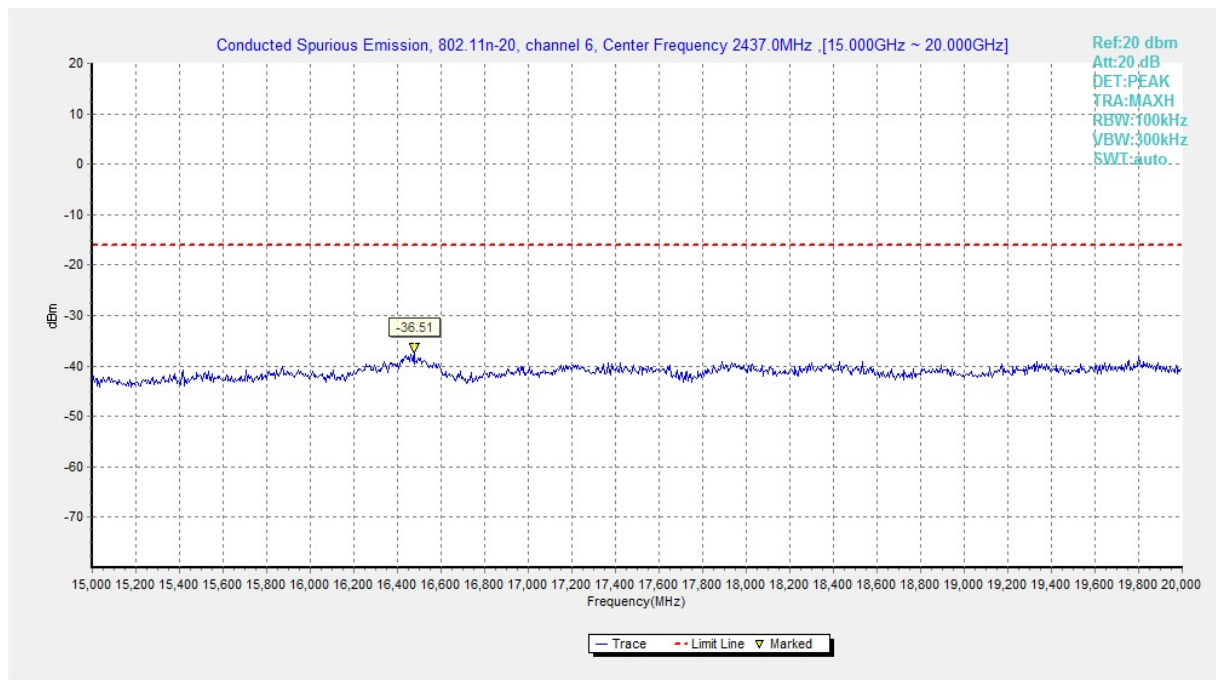


Fig.A.6.1.63 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 15 GHz-20 GHz)

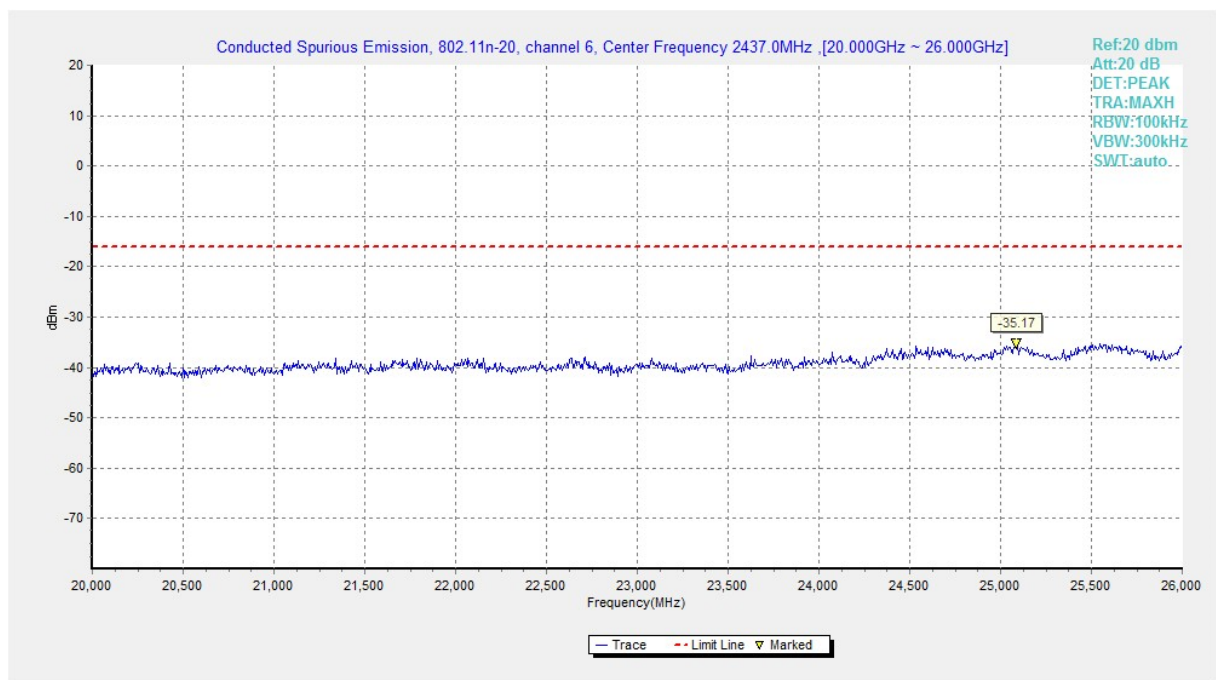


Fig.A.6.1.64 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 20 GHz-26 GHz)

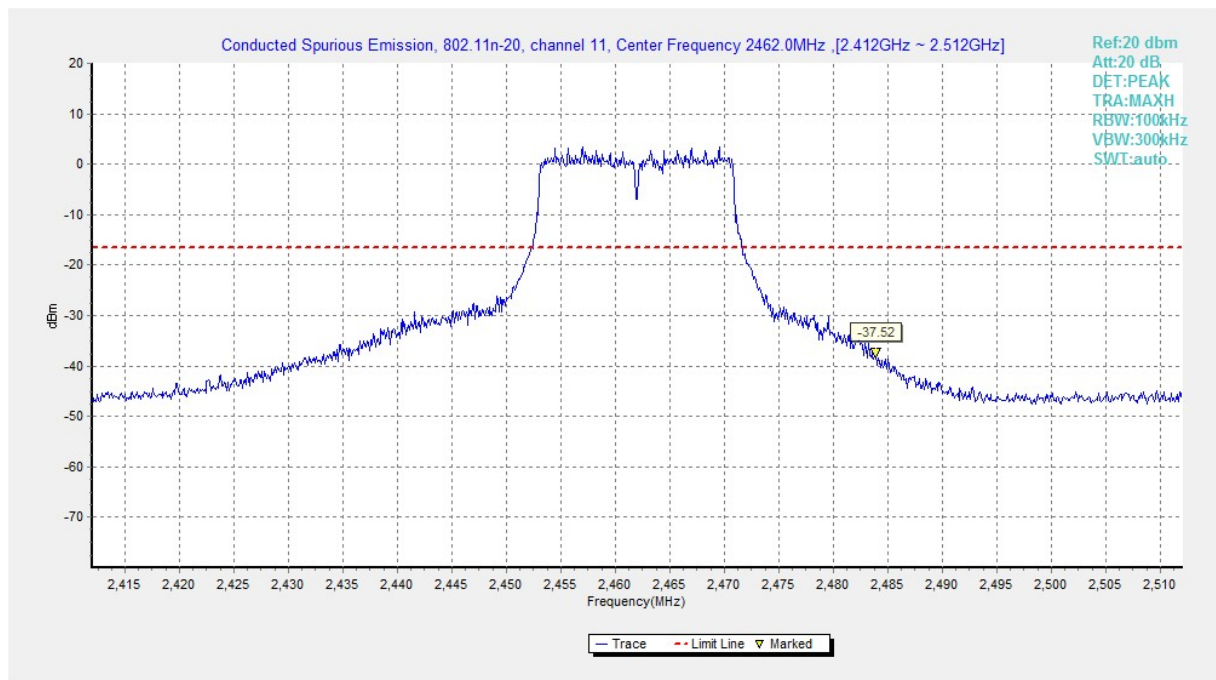


Fig.A.6.1.65 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, Center Frequency)

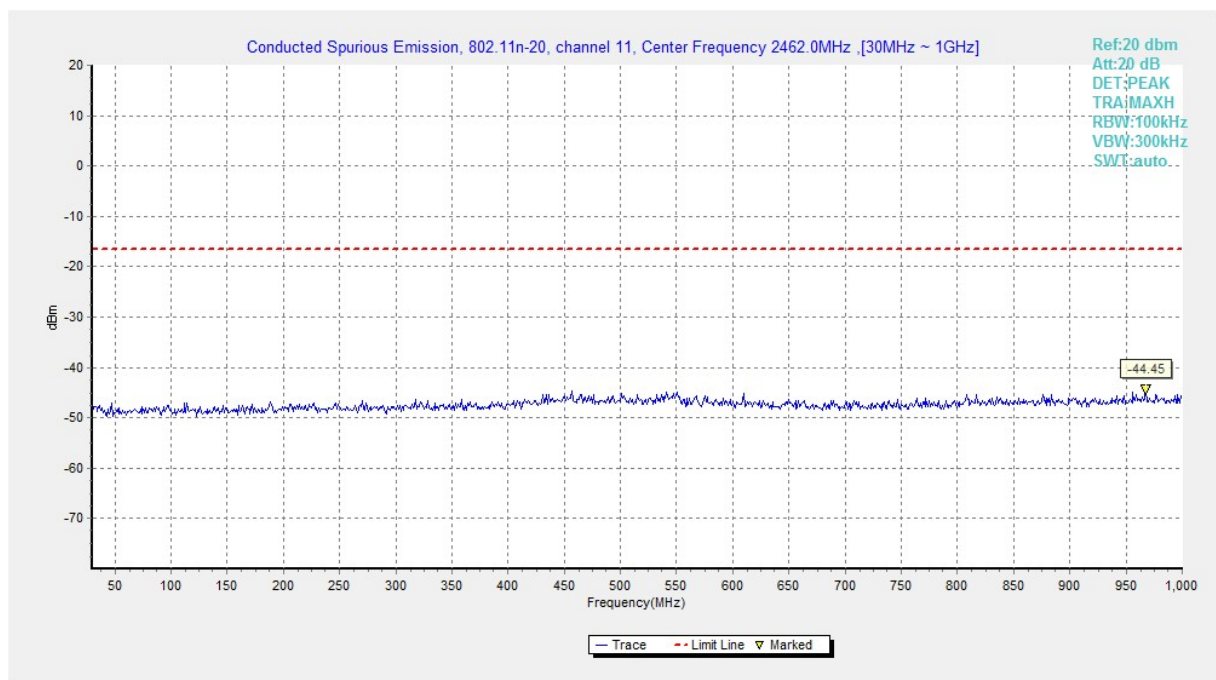


Fig.A.6.1.66 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 30 MHz-1 GHz)

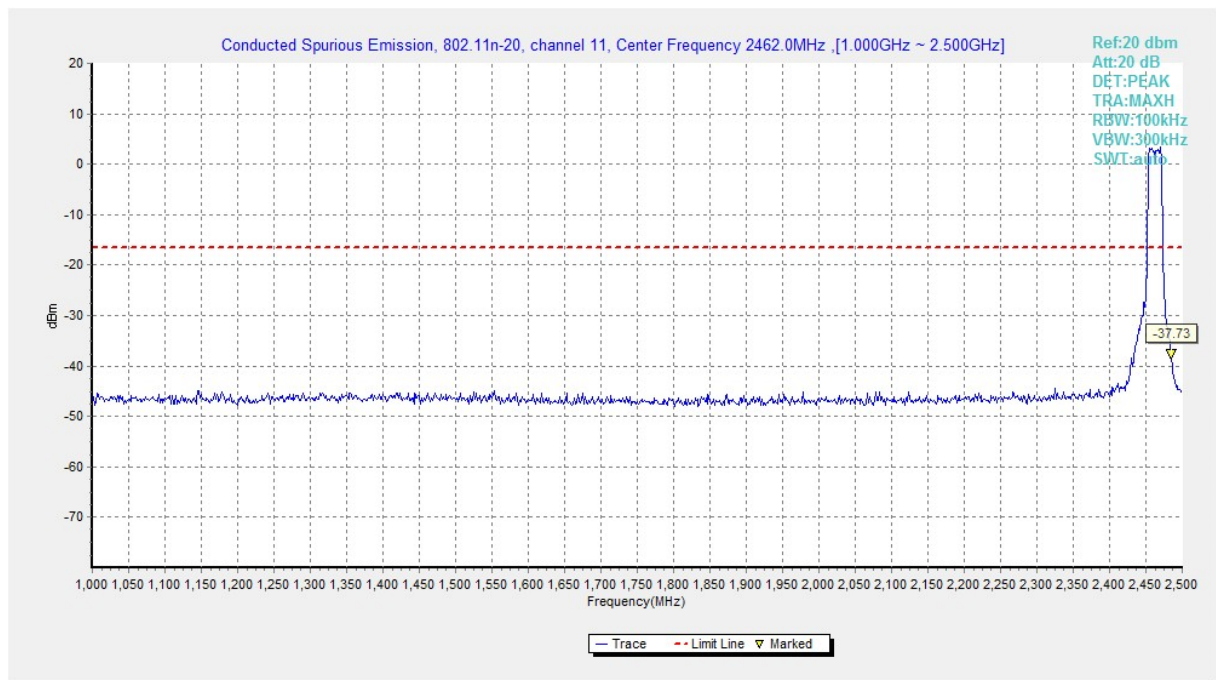


Fig.A.6.1.67 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 1 GHz-2.5 GHz)

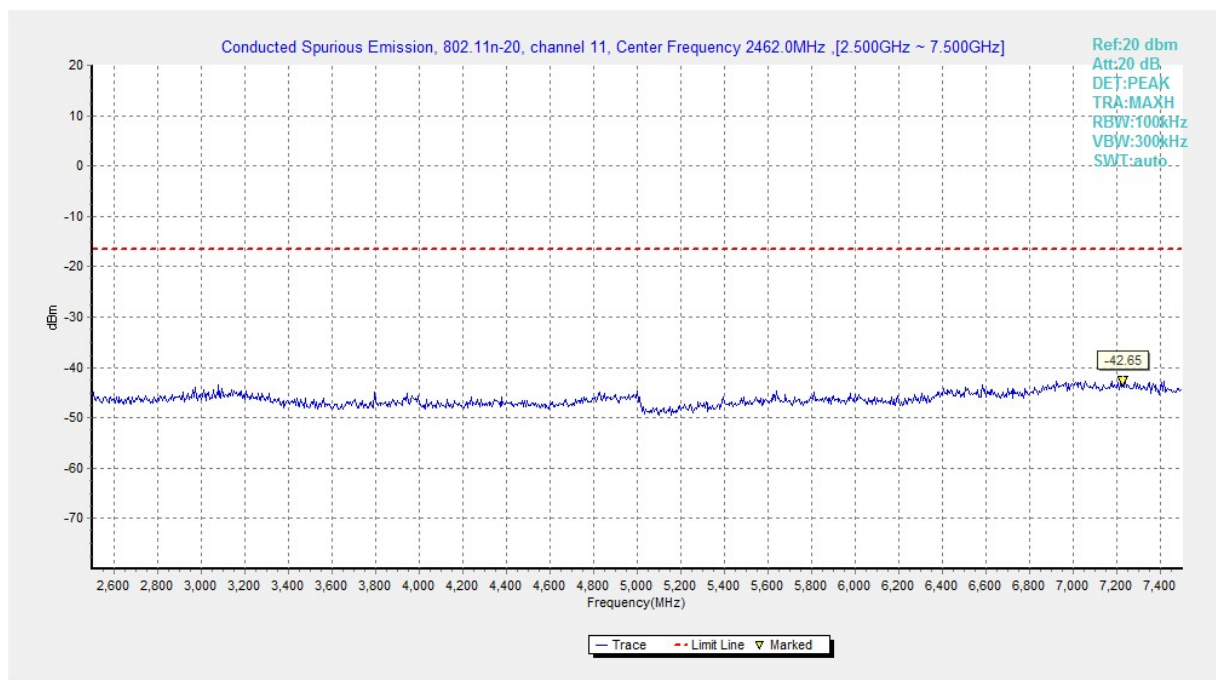


Fig.A.6.1.68 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 2.5 GHz-7.5 GHz)

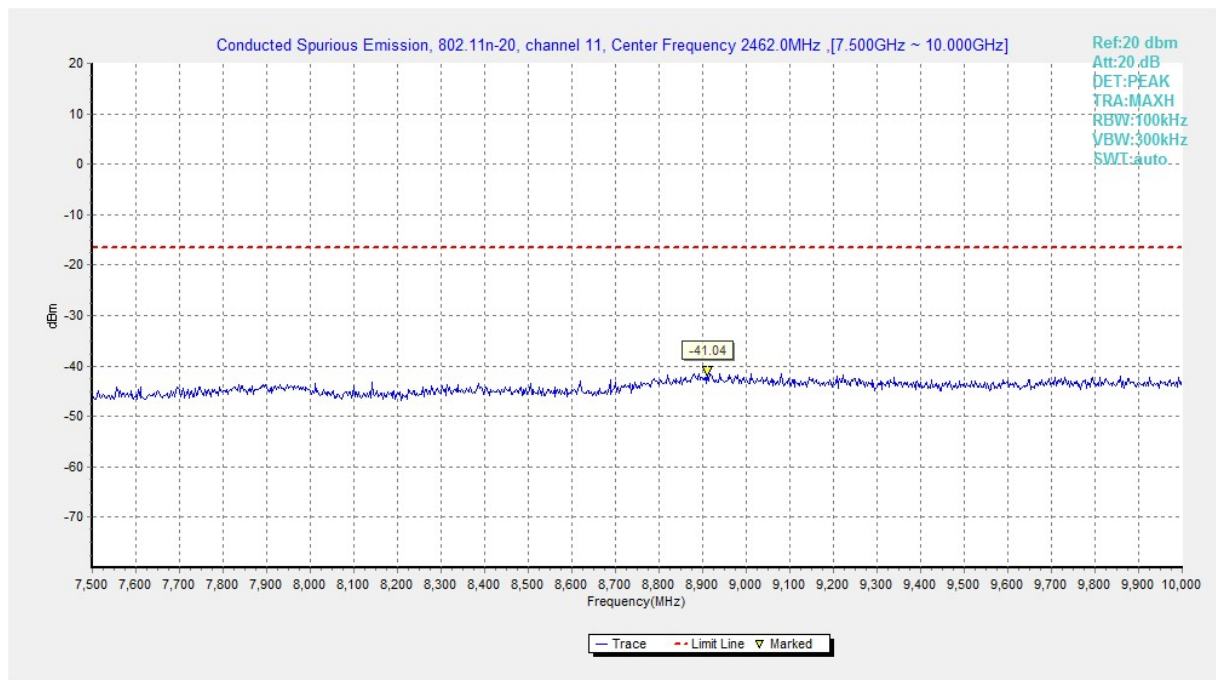


Fig.A.6.1.69 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 7.5 GHz-10 GHz)

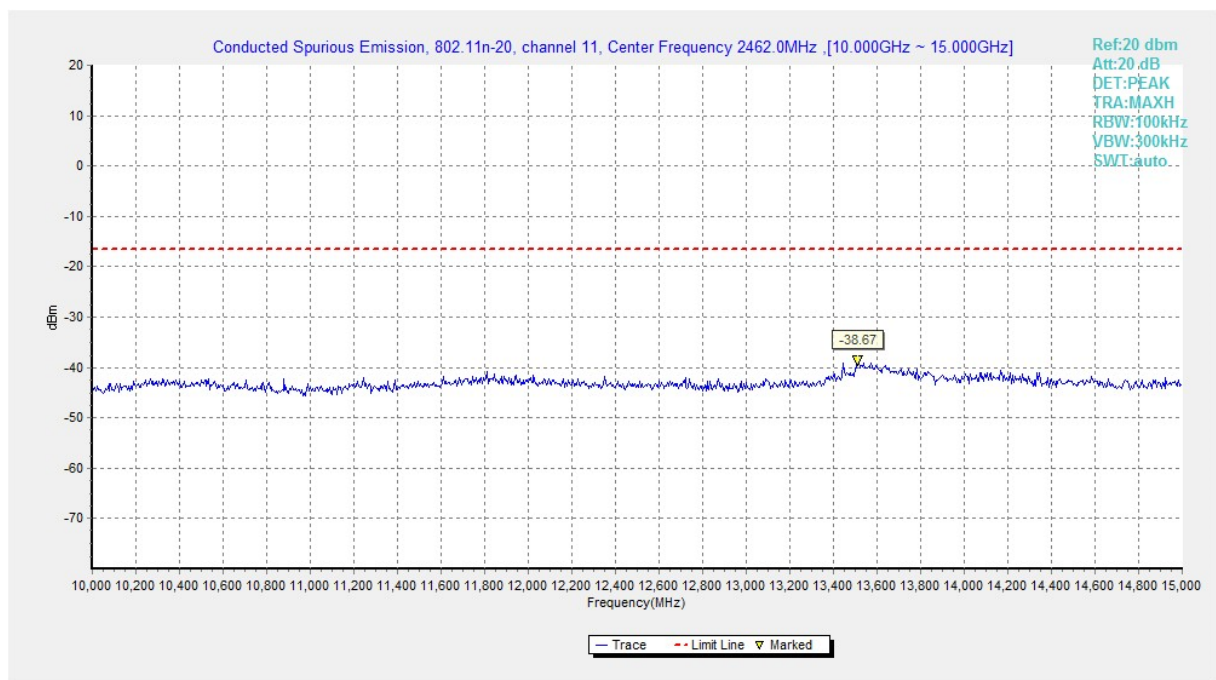


Fig.A.6.1.70 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 10 GHz-15 GHz)

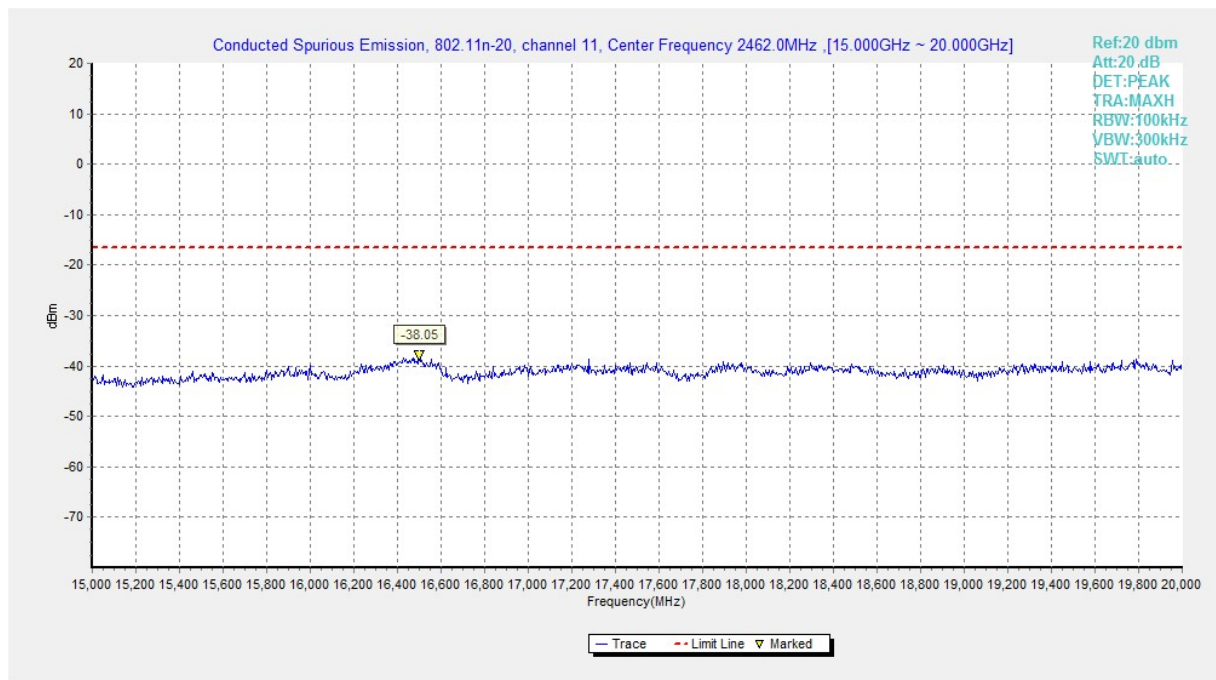


Fig.A.6.1.71 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 15 GHz-20 GHz)

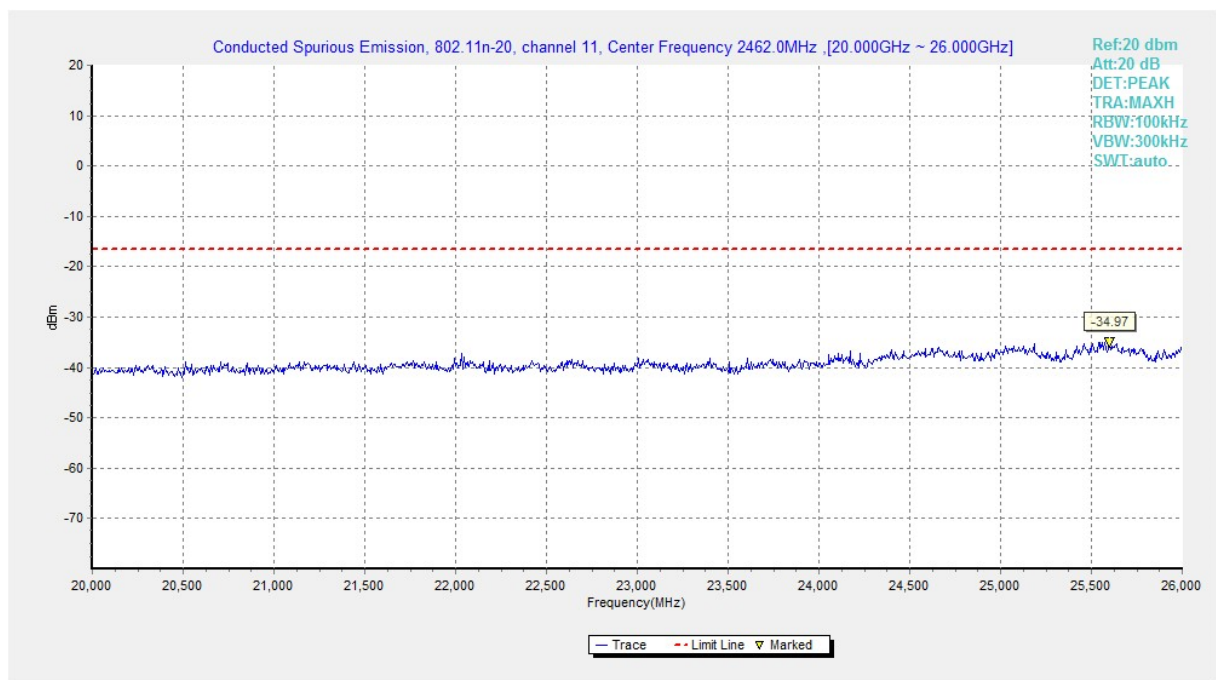


Fig.A.6.1.72 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 20 GHz-26 GHz)

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/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

EUT ID: EUT1

Measurement Results for EUT1:

802.11b mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	Power(ch1)	2.31GHz ~2.43GHz	Fig.A.6.2.1	P
	Power(ch11)	2.45GHz ~2.5GHz	Fig.A.6.2.2	P

802.11g mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11g	Power(ch1)	2.31GHz ~2.43GHz	Fig.A.6.2.3	P
	Power(ch11)	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(ch1)	2.31GHz ~2.43GHz	Fig.A.6.2.5	P
	Power(ch11)	2.45GHz ~2.5GHz	Fig.A.6.2.6	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)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2389.100	46.63	2.9	32.0	11.75	54.0	7.4	H	155	5
2389.700	46.62	2.9	32.0	11.74	54.0	7.4	H	155	25
4824.400	31.96	-32.7	34.1	30.52	54.0	22.0	H	155	356
7236.400	35.74	-29.8	35.7	29.78	54.0	18.3	H	155	350
9648.400	35.94	-29.8	36.8	28.95	54.0	18.1	H	155	185
12060.400	38.66	-28.6	38.9	28.32	54.0	15.3	H	155	187

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2419.400	47.24	2.9	32.1	12.28	54.0	6.8	H	155	8
2452.600	47.23	2.9	32.1	12.19	54.0	6.8	H	155	6
4873.900	31.99	-32.6	34.2	30.46	54.0	22.0	H	155	25
7311.100	35.45	-29.6	35.8	29.31	54.0	18.6	H	155	70
9748.300	36.14	-29.6	36.9	28.83	54.0	17.9	H	155	135
12184.600	38.62	-28.3	38.9	28.03	54.0	15.4	H	155	270

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.500	46.67	2.9	32.2	11.57	54.0	7.3	H	155	25
2483.900	46.65	2.9	32.2	11.54	54.0	7.4	H	155	49
4924.300	32.54	-32.6	34.2	30.93	54.0	21.5	H	155	4
7385.800	34.97	-30.1	35.8	29.30	54.0	19.0	H	155	6
9848.200	36.33	-29.5	37.0	28.79	54.0	17.7	H	155	25
12309.700	39.01	-27.8	39.0	27.89	54.0	15.0	H	155	186

802.11b-Peak
Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2373.532	60.12	2.9	32.0	25.27	74.0	13.9	H	155	0
2383.808	60.24	2.9	32.0	25.37	74.0	13.8	H	155	22
4824.000	42.49	-32.7	34.1	41.05	74.0	31.5	H	155	352
7236.000	46.66	-29.8	35.7	40.71	74.0	27.3	V	155	352
9648.000	46.20	-29.8	36.8	39.21	74.0	27.8	V	155	176
12060.000	48.78	-28.6	38.9	38.44	74.0	25.2	V	155	176

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2372.000	48.08	-26.9	32.0	42.95	74.0	25.9	H	155	0
2496.600	48.83	-25.2	32.2	41.84	74.0	25.2	V	155	0
4874.000	42.61	-32.6	34.2	41.08	74.0	31.4	V	155	22
7311.000	45.88	-29.6	35.8	39.74	74.0	28.1	V	155	66
9748.000	47.76	-29.6	36.9	40.44	74.0	26.2	V	155	132
12185.000	48.85	-28.3	38.9	38.25	74.0	25.1	V	155	274

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2488.875	60.60	2.9	32.2	25.49	74.0	13.4	H	155	22
2495.850	60.61	2.9	32.2	25.48	74.0	13.4	V	155	44
4924.000	43.68	-32.6	34.2	42.08	74.0	30.3	H	155	0
7386.000	47.17	-30.1	35.8	41.50	74.0	26.8	H	155	0
9848.000	46.70	-29.5	37.0	39.15	74.0	27.3	H	155	22
12310.000	48.12	-27.8	39.0	37.00	74.0	25.9	H	155	176

802.11g - Average

Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2389.700	49.96	2.9	32.0	15.08	54.0	4.0	H	155	20
2390.000	50.16	2.9	32.0	15.27	54.0	3.8	H	155	248
4824.400	32.83	-32.7	34.1	31.39	54.0	21.2	H	155	49
7236.400	35.58	-29.8	35.7	29.62	54.0	18.4	H	155	335
9648.400	36.05	-29.8	36.8	29.05	54.0	18.0	H	155	180
12060.400	38.58	-28.6	38.9	28.24	54.0	15.4	H	155	8

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2410.300	47.97	2.9	32.1	13.04	54.0	6.0	H	155	135
2460.700	47.57	2.9	32.1	12.51	54.0	6.4	H	155	160
4873.900	32.78	-32.6	34.2	31.25	54.0	21.2	H	155	92
7311.100	35.41	-29.6	35.8	29.27	54.0	18.6	H	155	115
9748.300	36.35	-29.6	36.9	29.04	54.0	17.7	H	155	112
12184.600	38.57	-28.3	38.9	27.97	54.0	15.4	H	155	85

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.500	48.66	2.9	32.2	13.55	54.0	5.3	H	155	170
2483.700	48.51	2.9	32.2	13.40	54.0	5.5	H	155	150
4924.300	33.16	-32.6	34.2	31.55	54.0	20.8	H	155	20
7385.800	35.02	-30.1	35.8	29.35	54.0	19.0	H	155	180
9848.200	36.41	-29.5	37.0	28.87	54.0	17.6	H	155	202
12309.700	38.98	-27.8	39.0	27.85	54.0	15.0	H	155	8

802.11g - Peak
Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2388.764	66.56	2.9	32.0	31.68	74.0	7.4	H	155	22
2389.604	67.44	2.9	32.0	32.56	74.0	6.6	H	155	242
4824.000	42.54	-32.7	34.1	41.11	74.0	31.5	V	155	44
7236.000	46.77	-29.8	35.7	40.81	74.0	27.2	H	155	330
9648.000	46.51	-29.8	36.8	39.51	74.0	27.5	H	155	176
12060.000	49.54	-28.6	38.9	39.20	74.0	24.5	H	155	0

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2372.600	47.66	-26.8	32.0	42.49	74.0	26.3	H	155	132
2501.800	49.30	-26.3	32.2	43.40	74.0	24.7	H	155	154
4874.000	42.71	-32.6	34.2	41.18	74.0	31.3	V	155	88
7311.000	47.29	-29.6	35.8	41.15	74.0	26.7	H	155	110
9748.000	46.43	-29.6	36.9	39.12	74.0	27.6	V	155	110
12185.000	49.56	-28.3	38.9	38.96	74.0	24.4	V	155	88

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.645	71.13	2.9	32.2	36.02	74.0	2.9	H	155	176
2484.020	69.28	2.9	32.2	34.18	74.0	4.7	H	155	154
4924.000	42.43	-32.6	34.2	40.83	74.0	31.6	V	155	22
7386.000	45.57	-30.1	35.8	39.90	74.0	28.4	V	155	176
9848.000	46.93	-29.5	37.0	39.38	74.0	27.1	H	155	198
12310.000	48.56	-27.8	39.0	37.44	74.0	25.4	H	155	0

802.11n-HT20-Average
Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2389.600	50.28	2.9	32.0	15.40	54.0	3.7	H	155	46
2389.800	50.51	2.9	32.0	15.63	54.0	3.5	H	155	60
4824.600	31.91	-32.7	34.1	30.47	54.0	22.1	H	155	116
7235.400	35.49	-29.8	35.7	29.54	54.0	18.5	H	155	8
9647.600	35.84	-29.8	36.8	28.84	54.0	18.2	H	155	128
12059.800	38.52	-28.6	38.9	28.19	54.0	15.5	H	155	94

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2406.100	47.60	2.9	32.0	12.68	54.0	6.4	H	155	226
2464.600	47.08	2.9	32.1	12.02	54.0	6.9	H	155	92
4873.600	31.99	-32.6	34.2	30.46	54.0	22.0	H	155	70
7311.000	35.32	-29.6	35.8	29.18	54.0	18.7	H	155	8
9748.400	36.19	-29.6	36.9	28.88	54.0	17.8	H	155	48
12184.400	38.52	-28.3	38.9	27.92	54.0	15.5	H	155	246

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.500	49.28	2.9	32.2	14.18	54.0	4.7	H	155	20
2483.600	49.24	2.9	32.2	14.14	54.0	4.8	H	155	45
4924.000	32.37	-32.6	34.2	30.77	54.0	21.6	H	155	240
7386.600	35.03	-30.1	35.8	29.37	54.0	19.0	H	155	180
9847.800	36.31	-29.5	37.0	28.77	54.0	17.7	H	155	85
12310.400	38.96	-27.8	39.0	27.83	54.0	15.0	H	155	25

802.11n-HT20-Peak
Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2388.134	67.80	2.9	32.0	32.92	74.0	6.2	H	155	44
2389.548	69.01	2.9	32.0	34.13	74.0	5.0	H	155	66
4824.000	43.32	-32.7	34.1	41.88	74.0	30.7	V	155	110
7236.000	46.89	-29.8	35.7	40.94	74.0	27.1	V	155	0
9648.000	47.76	-29.8	36.8	40.77	74.0	26.2	H	155	132
12060.000	48.81	-28.6	38.9	38.47	74.0	25.2	H	155	88

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2366.200	47.28	-27.2	32.0	42.53	74.0	26.7	H	155	220
2508.600	48.04	-26.5	32.2	42.30	74.0	26.0	V	155	88
4874.000	43.81	-32.6	34.2	42.28	74.0	30.2	H	155	66
7311.000	46.80	-29.6	35.8	40.66	74.0	27.2	H	155	0
9748.000	46.46	-29.6	36.9	39.15	74.0	27.5	H	155	44
12185.000	48.08	-28.3	38.9	37.48	74.0	25.9	V	155	242

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.895	71.99	2.9	32.2	36.88	74.0	2.0	H	155	22
2484.605	72.14	2.9	32.2	37.03	74.0	1.9	H	155	44
4924.000	43.86	-32.6	34.2	42.26	74.0	30.1	H	155	242
7386.000	45.20	-30.1	35.8	39.53	74.0	28.8	H	155	176
9848.000	47.38	-29.5	37.0	39.83	74.0	26.6	H	155	88
12310.000	49.05	-27.8	39.0	37.92	74.0	25.0	V	155	22

Test graphs as below:

RE - Power-2.31GHz-2.45GHz

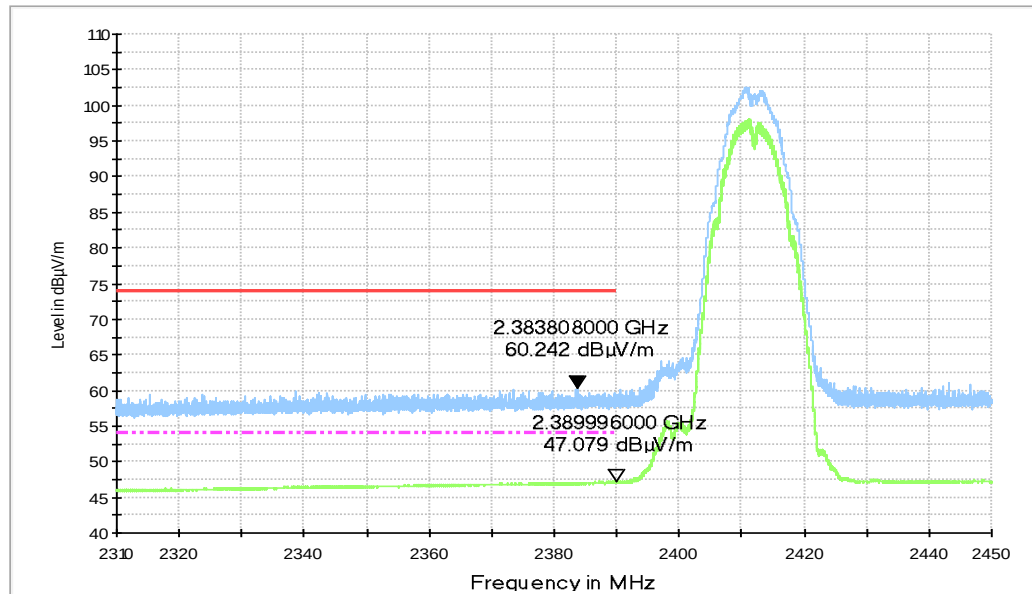


Fig.A.6.2.1 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch1, 2.31 GHz – 2.43GHz

RE - Power-2.45GHz-2.5GHz

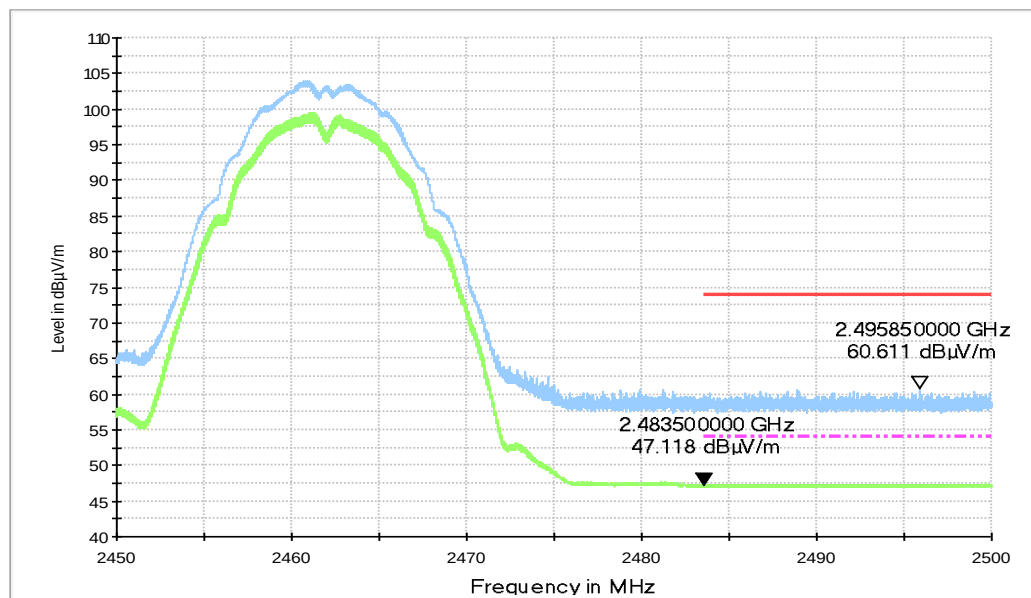


Fig.A.6.2.2 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz

RE - Power-2.31GHz-2.45GHz

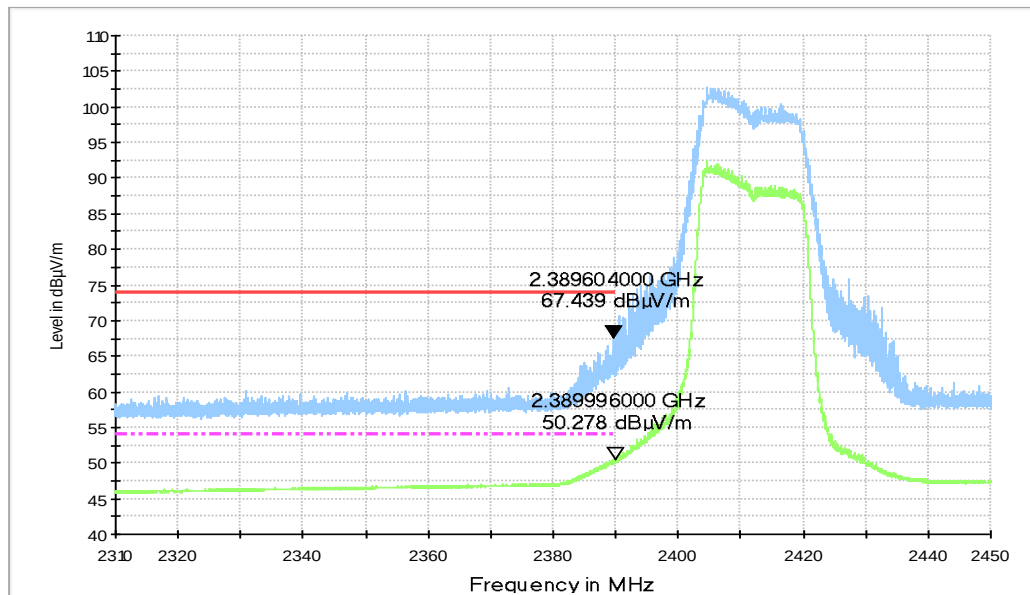


Fig.A.6.2.3 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch1, 2.31 GHz - 2.43GHz

RE - Power-2.45GHz-2.5GHz

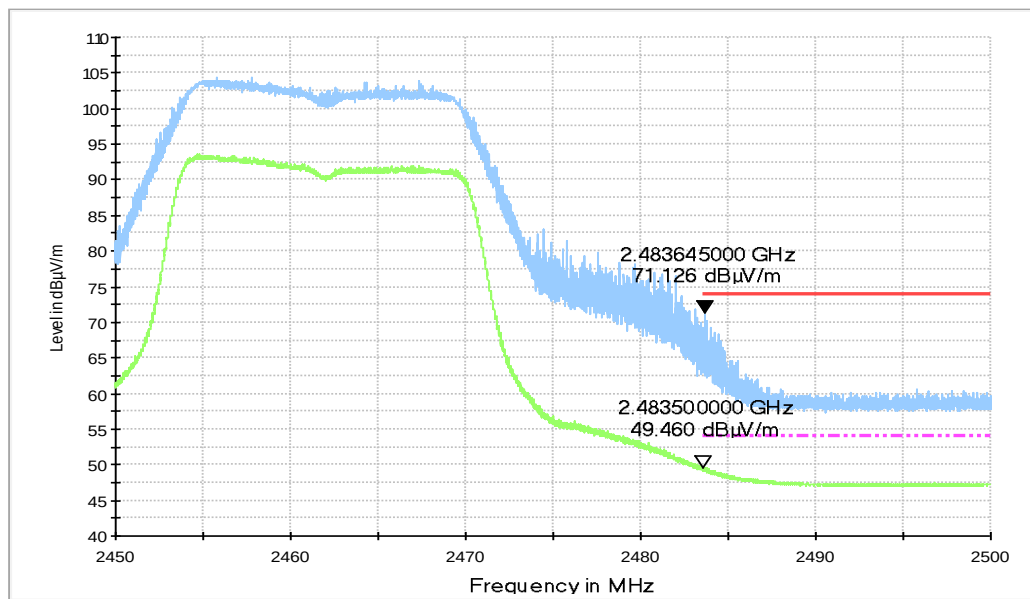


Fig.A.6.2.4 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz

RE - Power-2.31GHz-2.45GHz

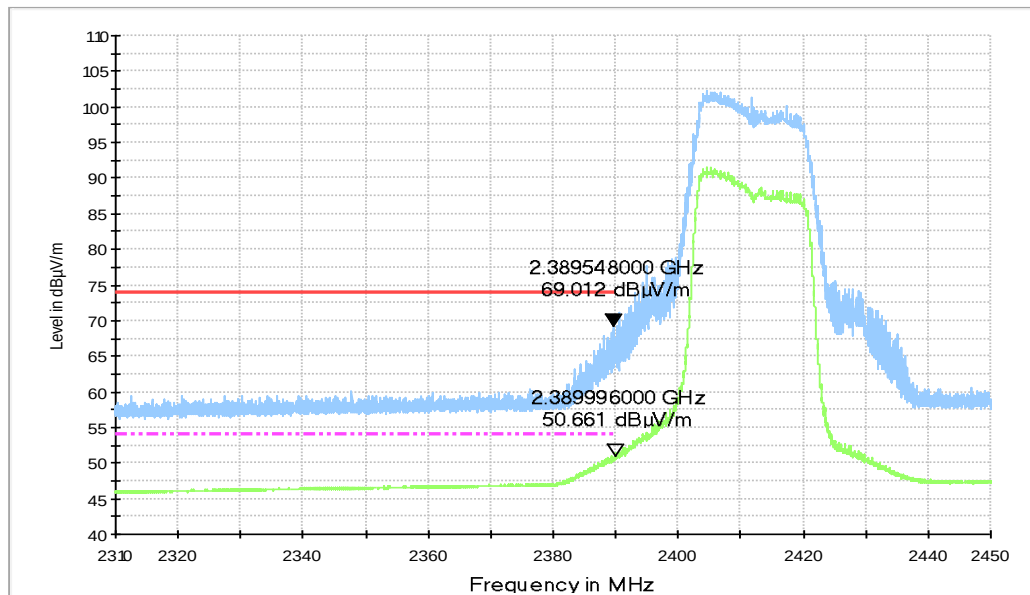


Fig.A.6.2.5 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch1, 2.31GHz - 2.45GHz

RE - Power-2.45GHz-2.5GHz

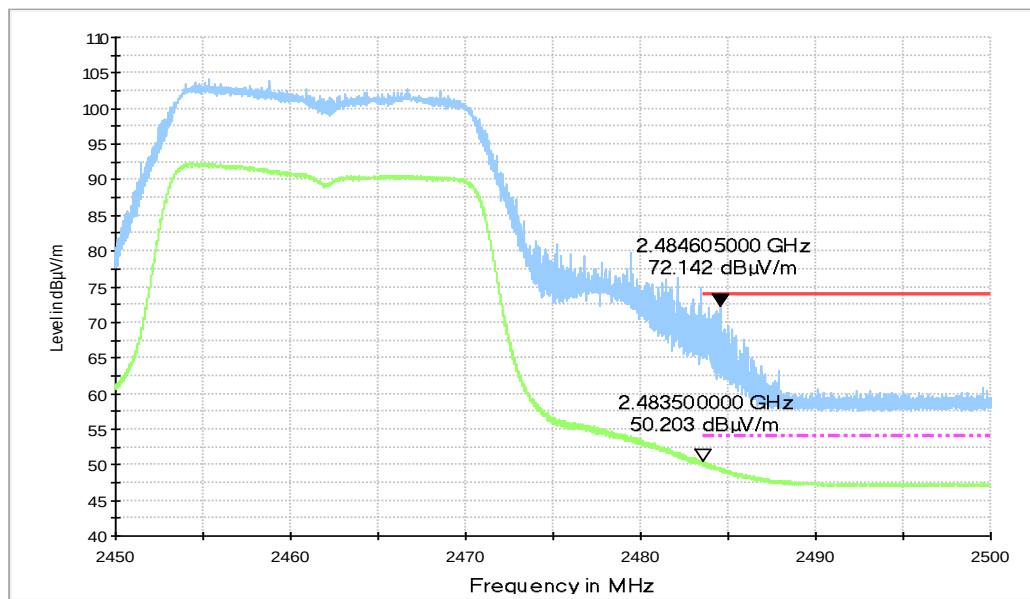


Fig.A.6.2.6 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz

A.7. AC Power-line Conducted Emission

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

- 1 The one EUT cable configuration 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:

Traffic:

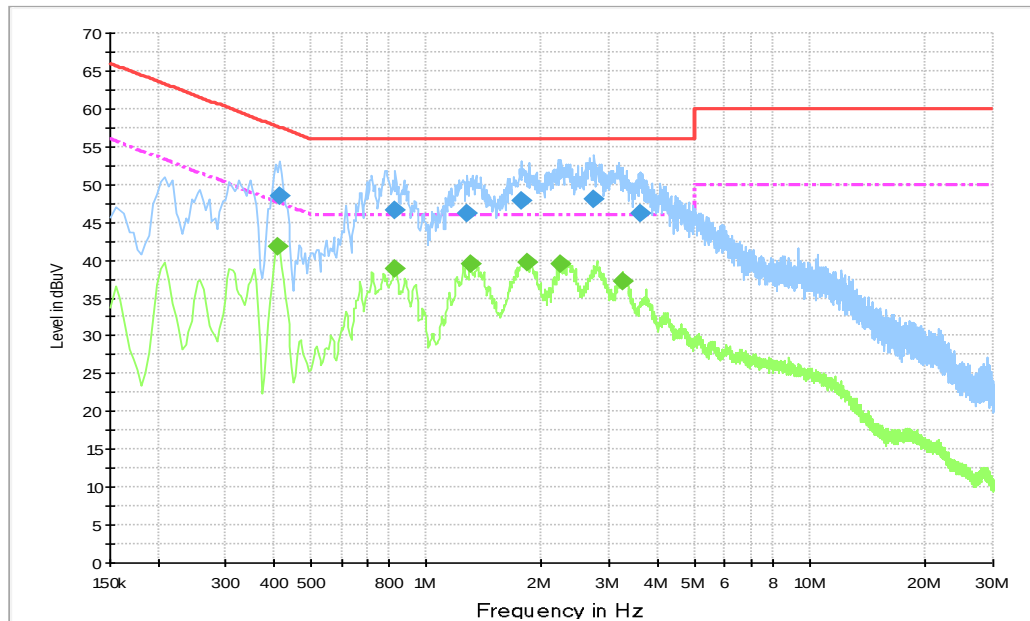


Fig.A.7.1 AC Powerline Conducted Emission-802.11b

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 (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.415500	48.6	10000	9.000	L1	19.8	9.0	57.5
0.829500	46.6	10000	9.000	L1	19.7	9.4	56.0
1.279500	46.1	10000	9.000	L1	19.7	9.9	56.0
1.770000	47.9	10000	9.000	L1	19.7	8.1	56.0
2.742000	48.1	10000	9.000	L1	19.6	7.9	56.0
3.628500	46.1	10000	9.000	L1	19.6	9.9	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.411000	41.7	10000.	9.000	On	19.8	5.9	47.6
0.825000	38.9	10000.	9.000	On	19.7	7.1	46.0
1.302000	39.5	10000.	9.000	On	19.7	6.5	46.0
1.824000	39.8	10000.	9.000	On	19.7	6.2	46.0
2.247000	39.5	10000.	9.000	On	19.5	6.5	46.0
3.241500	37.3	10000.	9.000	On	19.6	8.7	46.0

Idle:

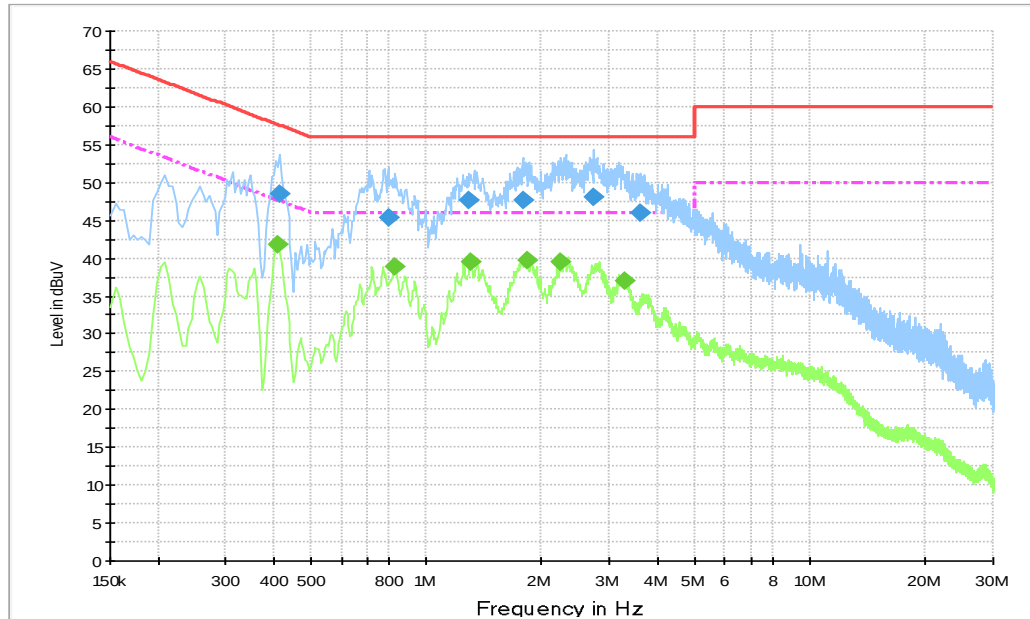


Fig.A.7.2 AC Powerline Conducted Emission-Idle

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

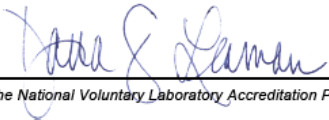
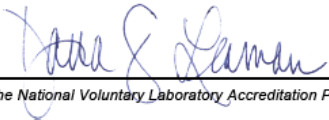
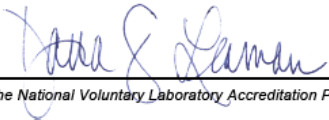
Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.415500	48.5	10000	9.000	L1	19.8	9.0	57.5
0.798000	45.4	10000	9.000	L1	19.7	10.6	56.0
1.297500	47.6	10000	9.000	L1	19.7	8.4	56.0
1.783500	47.7	10000	9.000	L1	19.7	8.3	56.0
2.724000	48.1	10000	9.000	L1	19.6	7.9	56.0
3.624000	46.0	10000	9.000	L1	19.6	10.0	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.411000	41.7	10000.	9.000	L1	19.8	5.9	47.6
0.825000	38.9	10000.	9.000	L1	19.7	7.1	46.0
1.302000	39.5	10000.	9.000	L1	19.7	6.5	46.0
1.824000	39.7	10000.	9.000	L1	19.7	6.3	46.0
2.242500	39.5	10000.	9.000	L1	19.5	6.5	46.0
3.277500	37.0	10000.	9.000	L1	19.6	9.0	46.0

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 <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 17025:2005. 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).</i> <table><tr><td> 2019-09-26 through 2020-09-30 Effective Dates </td><td></td><td>  For the National Voluntary Laboratory Accreditation Program </td></tr></table>		2019-09-26 through 2020-09-30 Effective Dates		 For the National Voluntary Laboratory Accreditation Program
2019-09-26 through 2020-09-30 Effective Dates		 For the National Voluntary Laboratory Accreditation Program		

END OF REPORT