

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

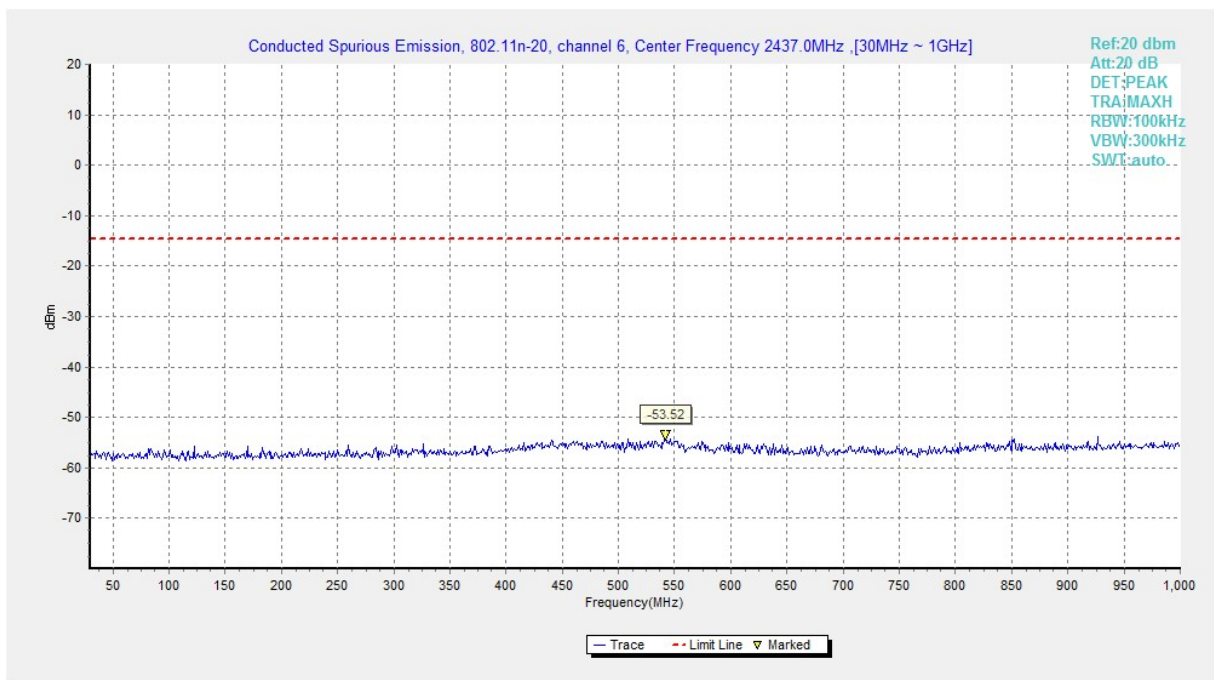


Fig.A.6.1.58 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 30 MHz-1 GHz)

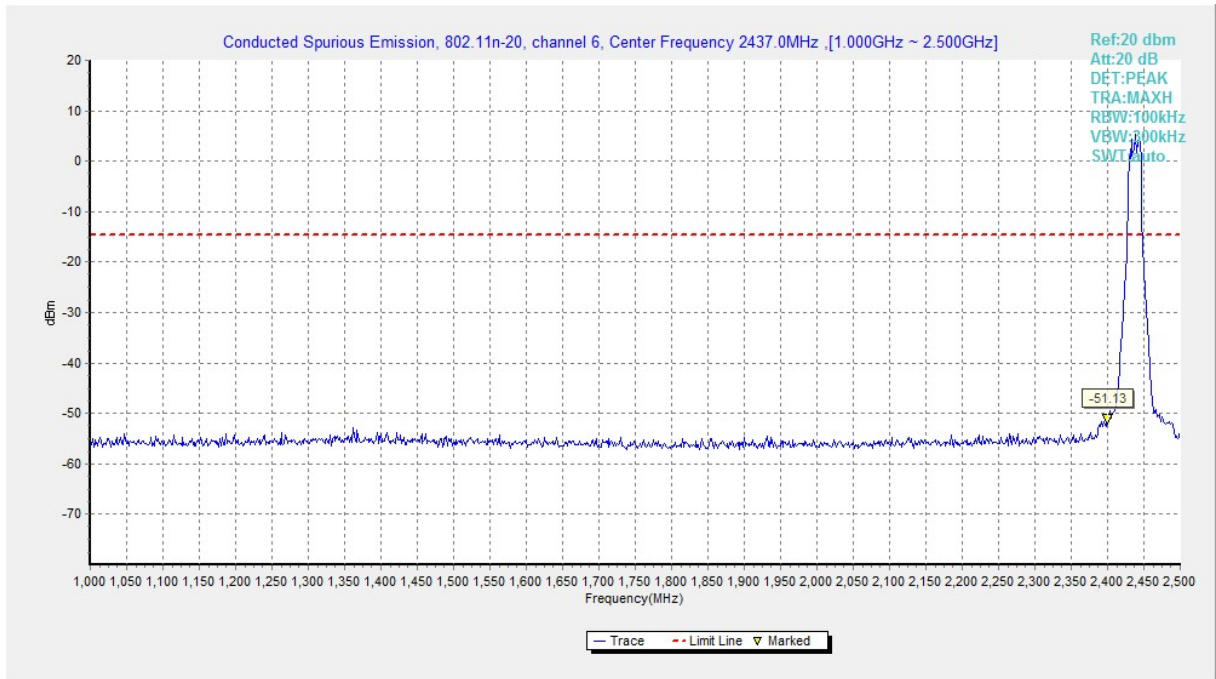


Fig.A.6.1.59 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 1 GHz-2.5 GHz)

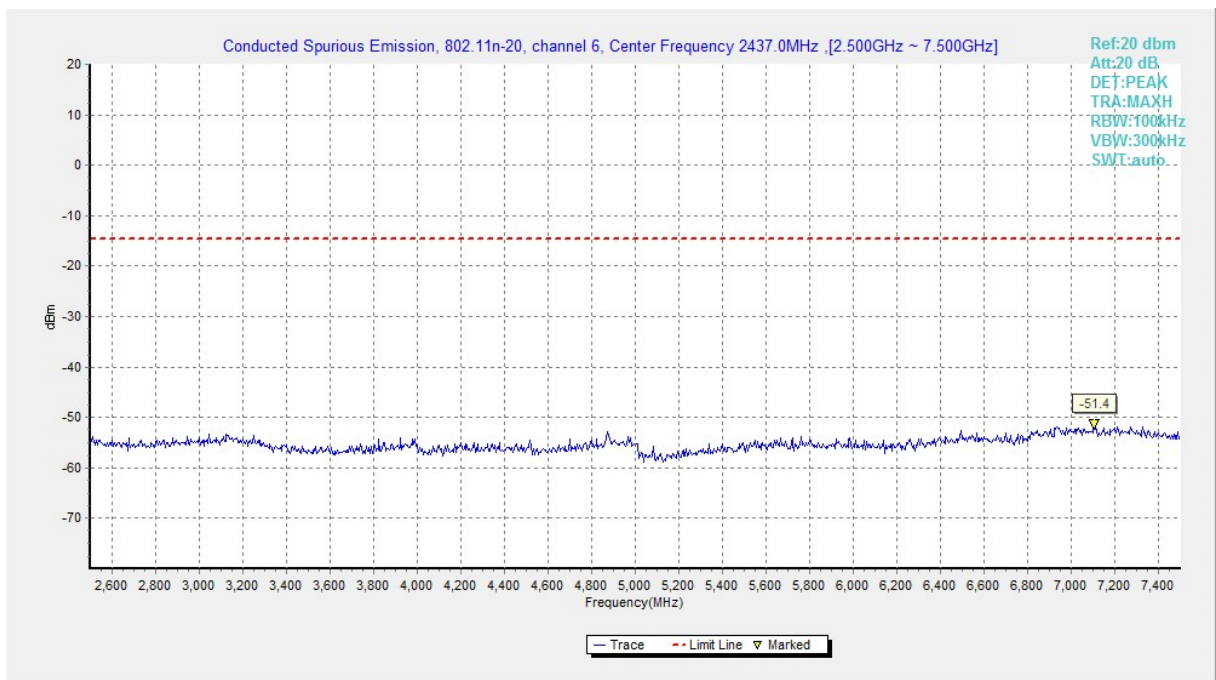


Fig.A.6.1.60 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 2.5 GHz-7.5 GHz)

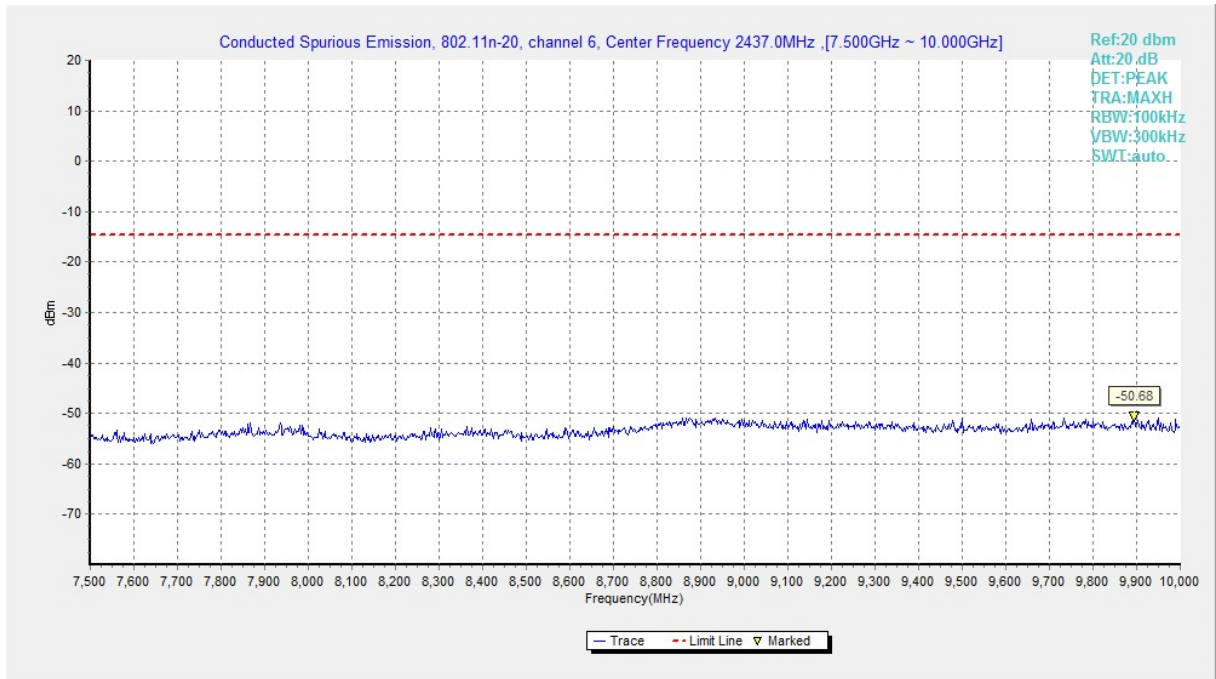


Fig.A.6.1.61 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 7.5 GHz-10 GHz)

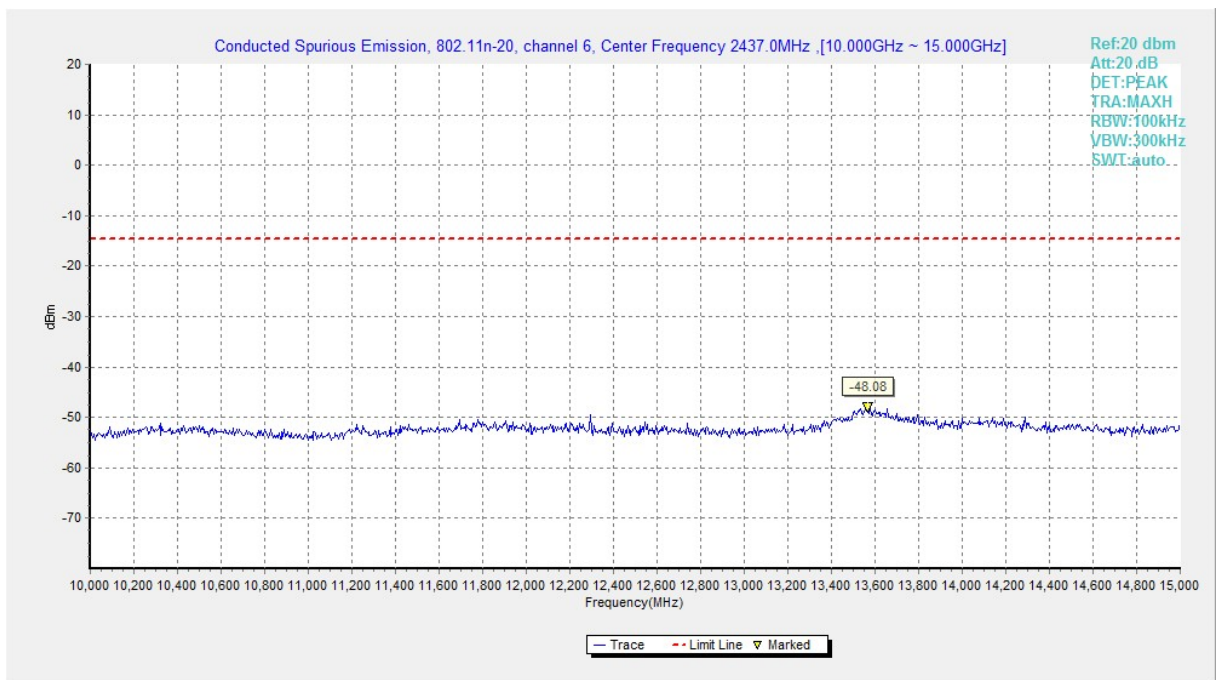


Fig.A.6.1.62 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 10 GHz-15 GHz)

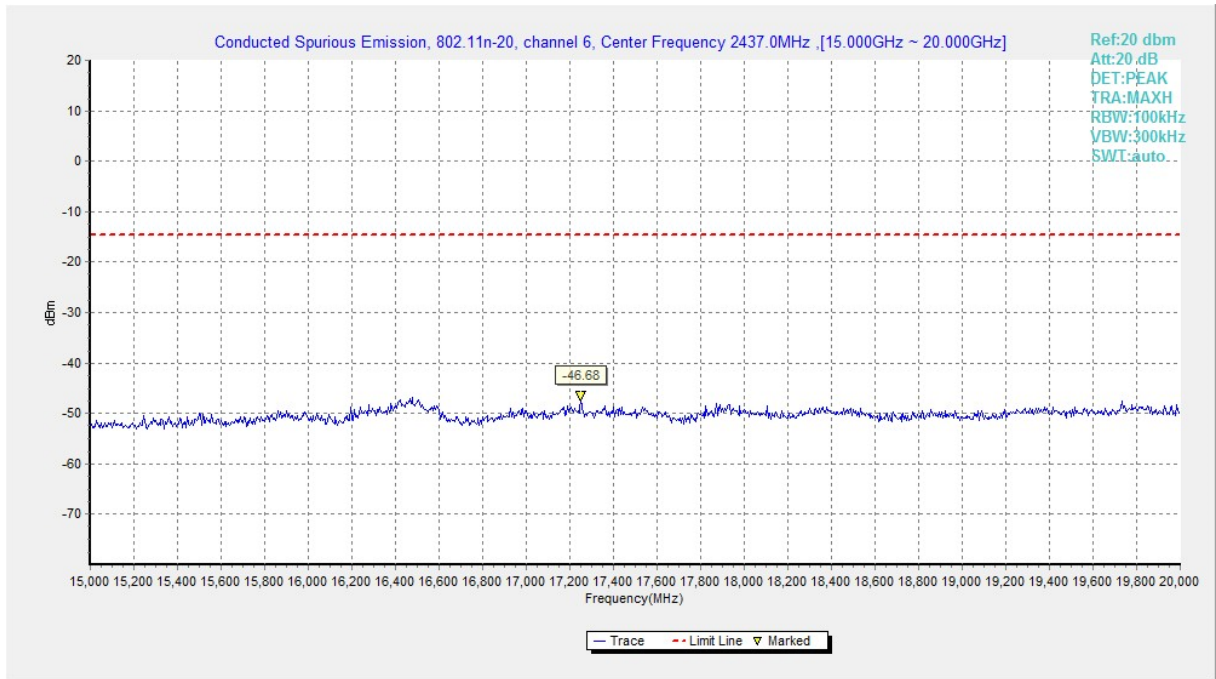


Fig.A.6.1.63 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 15 GHz-20 GHz)

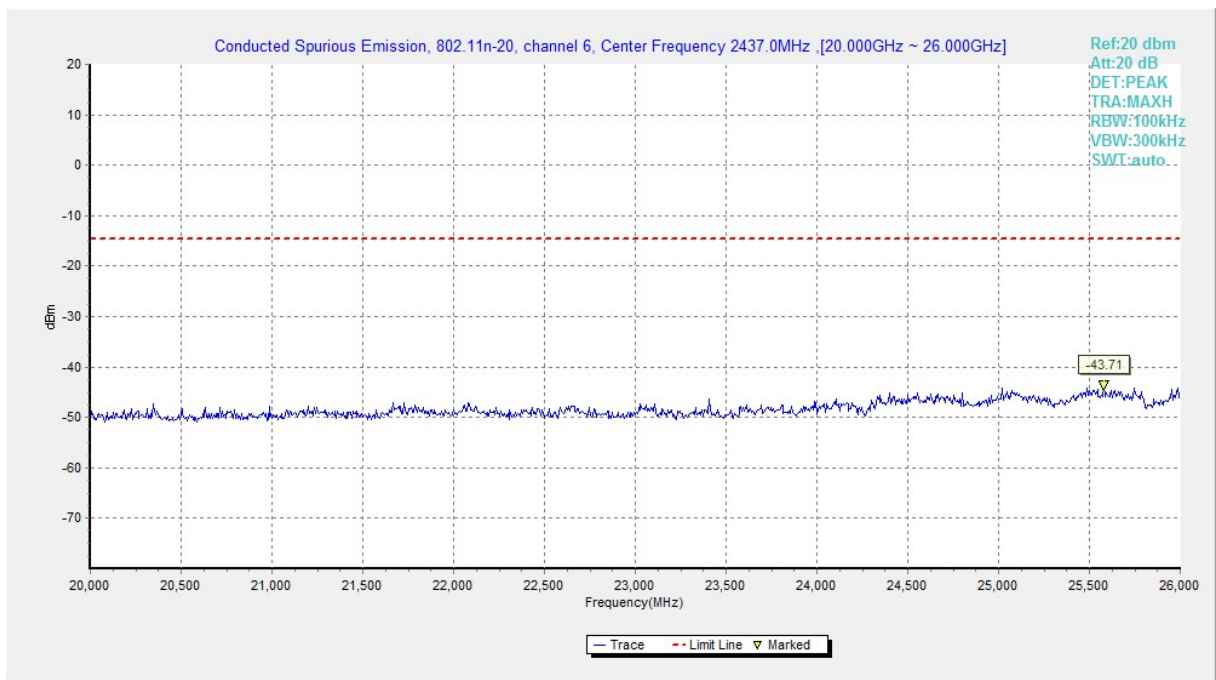


Fig.A.6.1.64 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 20 GHz-26 GHz)

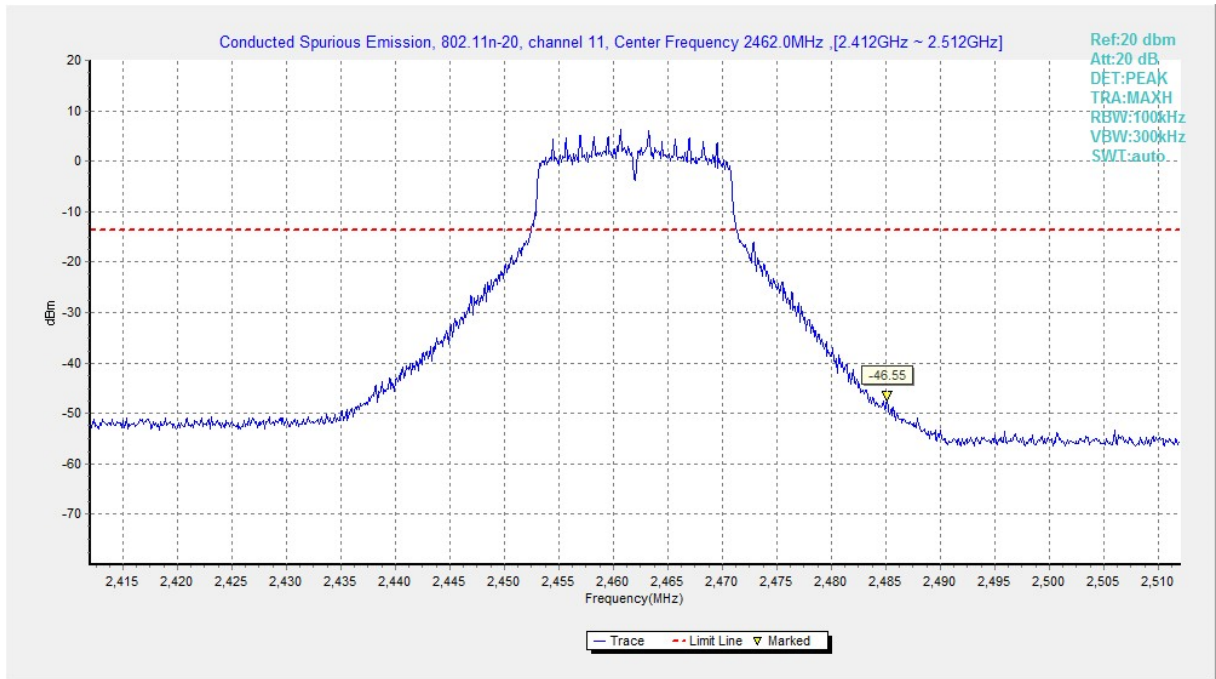


Fig.A.6.1.65 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, Center Frequency)

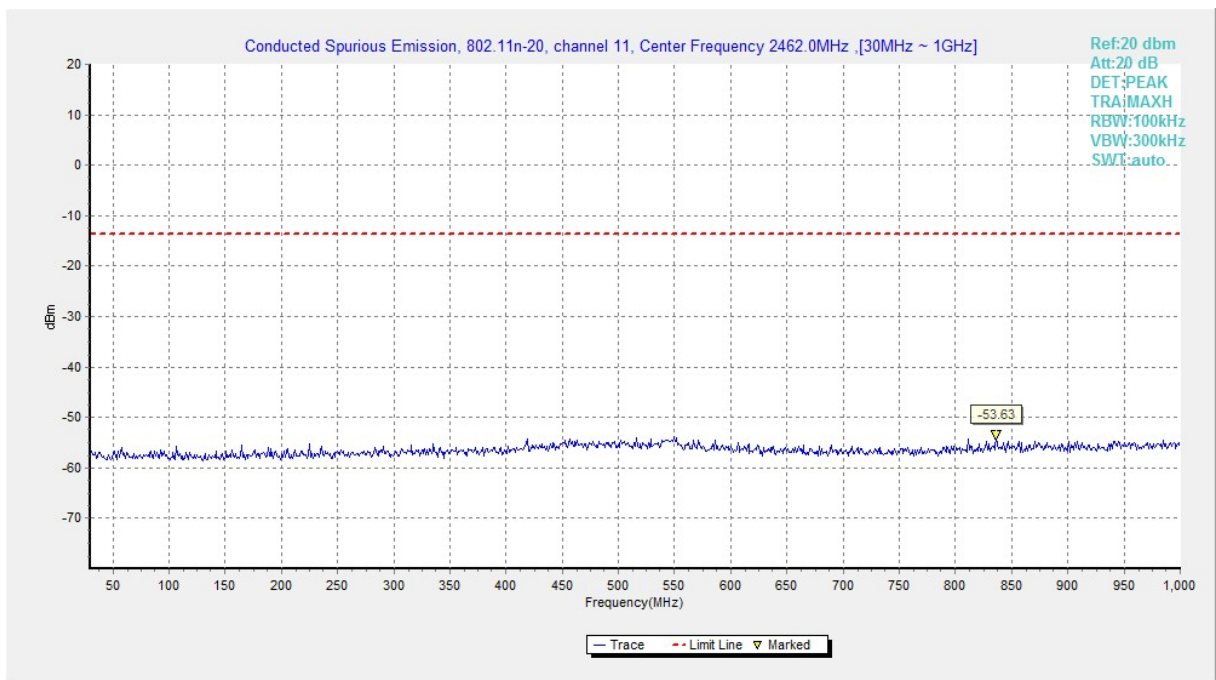


Fig.A.6.1.66 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 30 MHz-1 GHz)

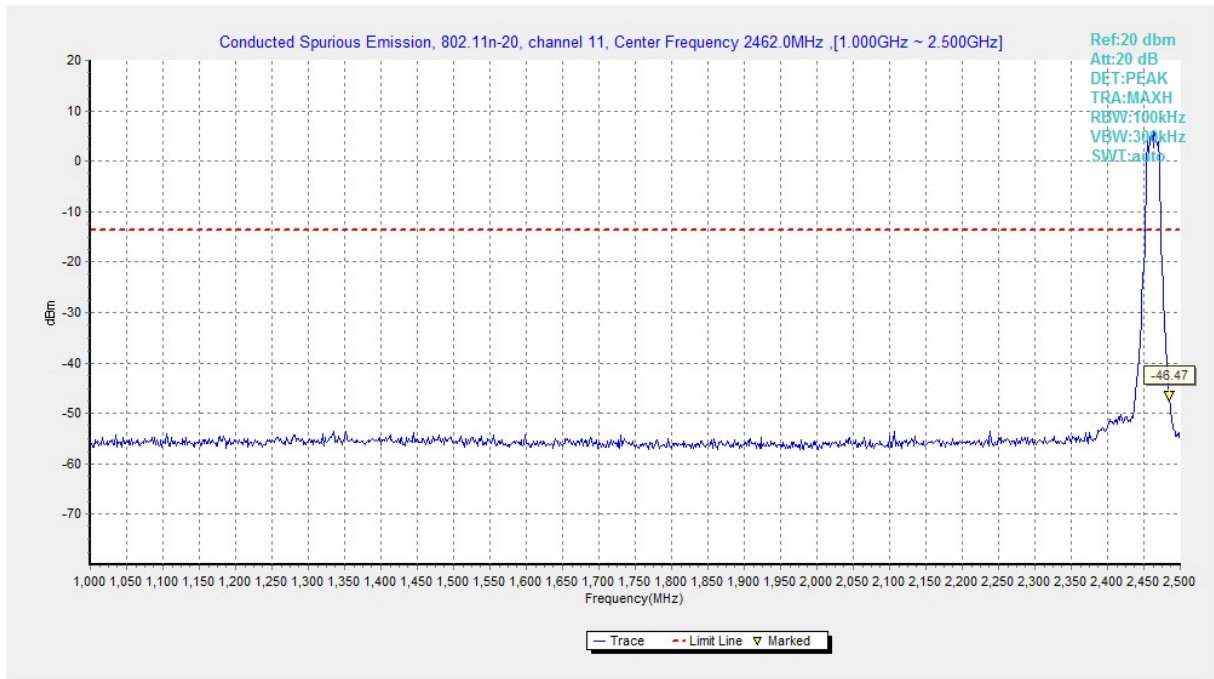


Fig.A.6.1.67 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 1 GHz-2.5 GHz)

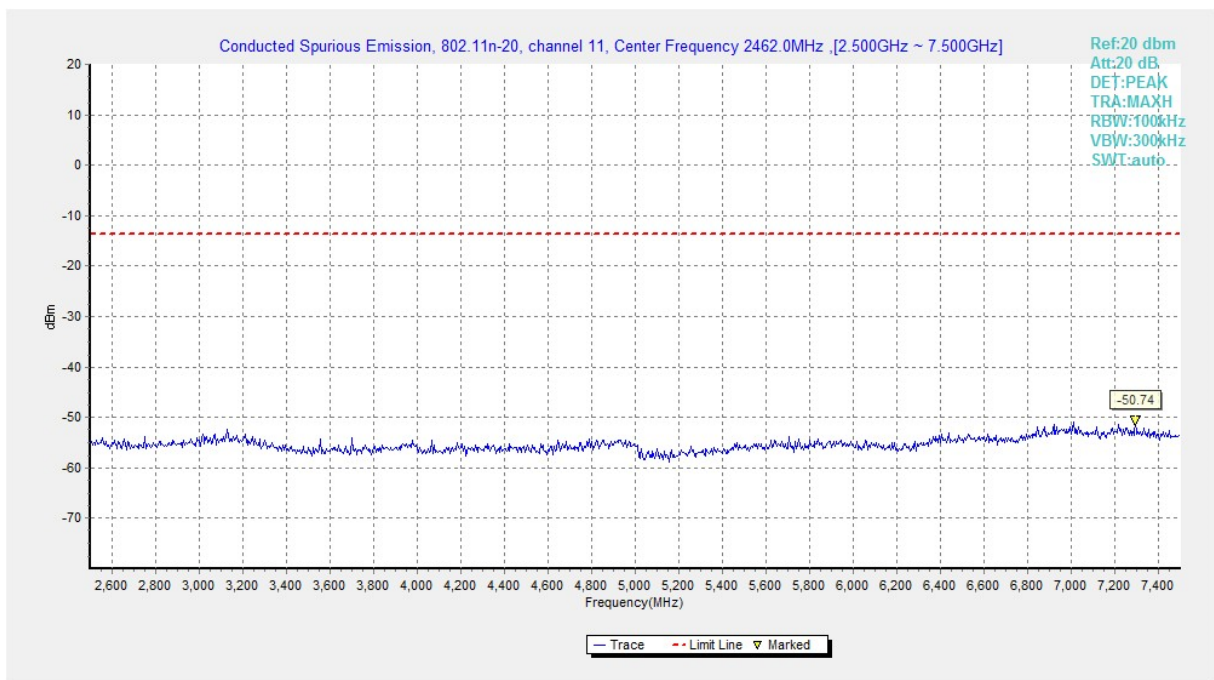


Fig.A.6.1.68 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 2.5 GHz-7.5 GHz)

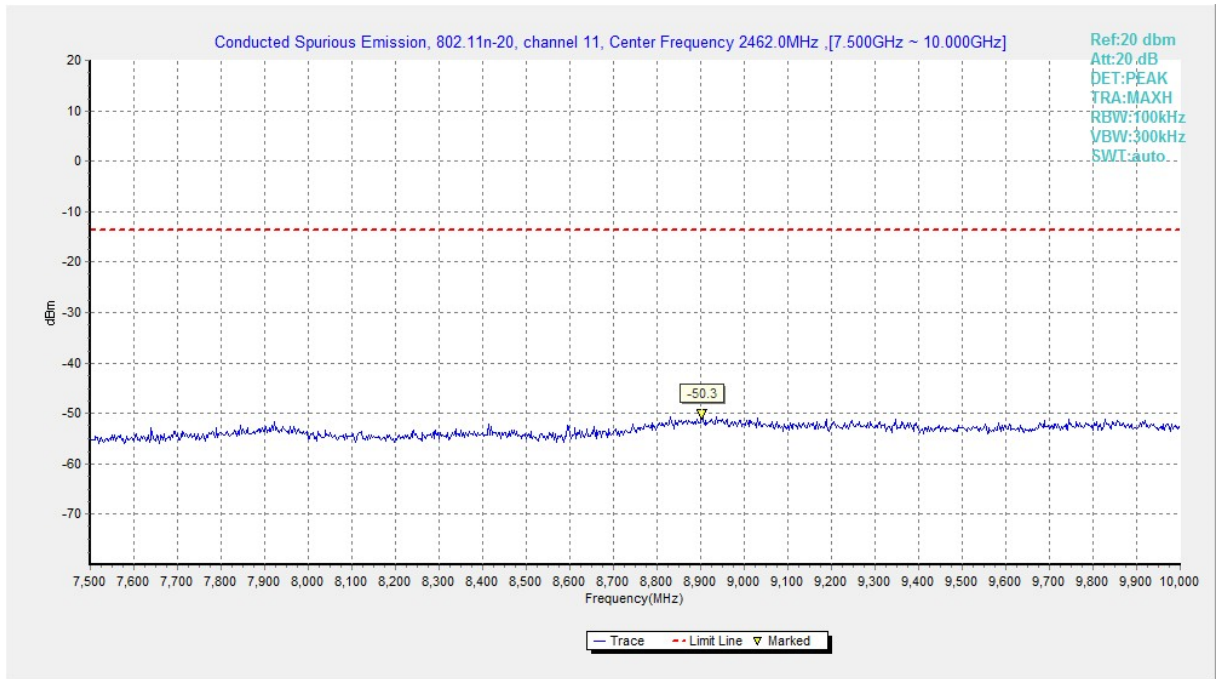


Fig.A.6.1.69 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 7.5 GHz-10 GHz)

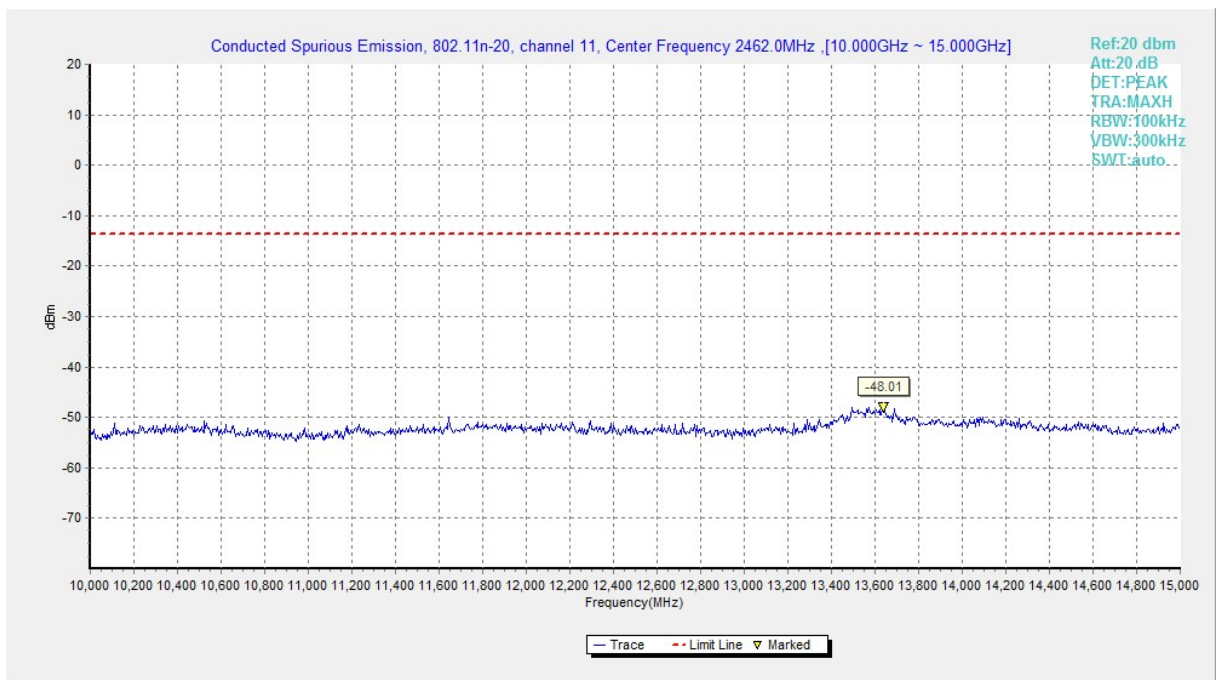


Fig.A.6.1.70 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 10 GHz-15 GHz)

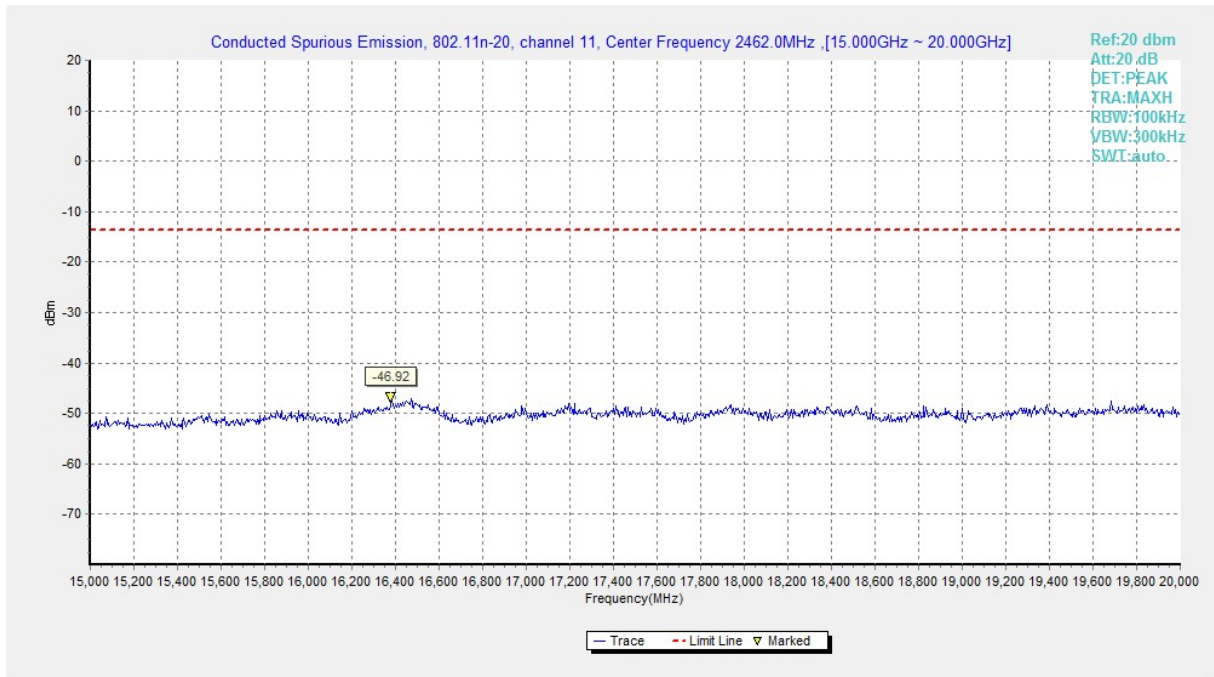


Fig.A.6.1.71 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 15 GHz-20 GHz)

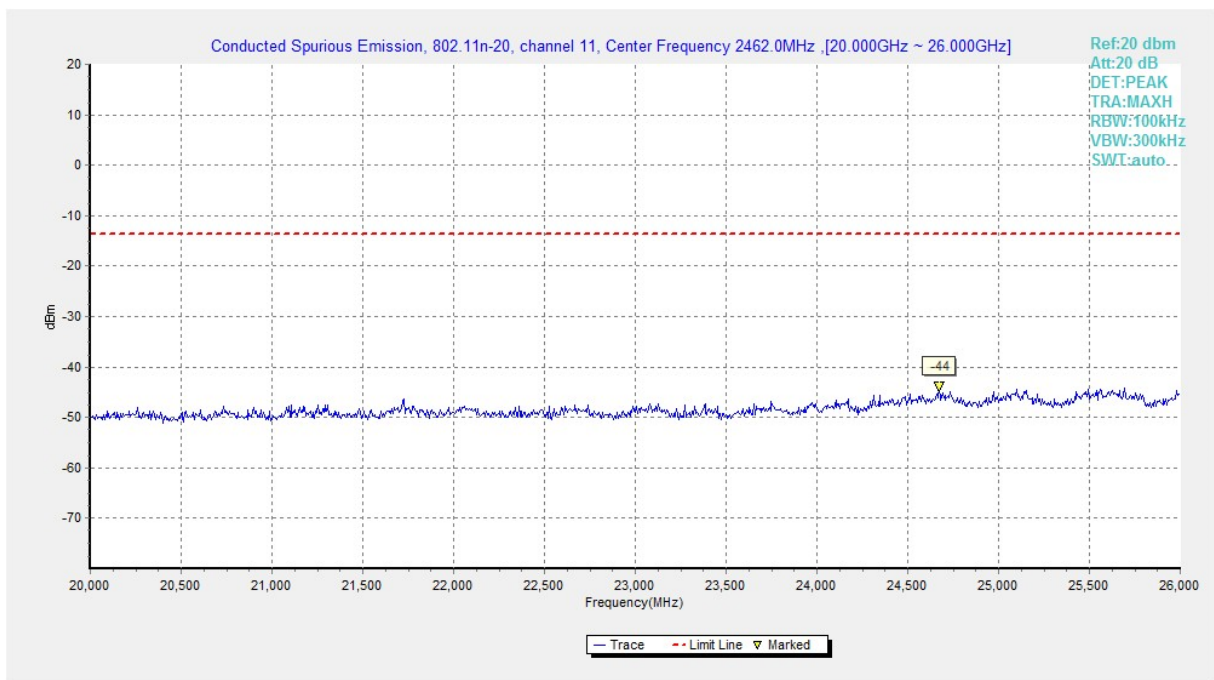


Fig.A.6.1.72 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 20 GHz-26 GHz)

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(μ V/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:

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

802.11b-Average
Ch1

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2389.500	46.47	2.9	32.0	11.59	54.0	7.5	H	155	175
2390.000	46.45	2.9	32.0	11.56	54.0	7.6	H	155	5
4824.000	49.78	-33.2	34.1	48.89	54.0	4.2	H	155	26
7236.000	32.54	-30.9	35.7	27.67	54.0	21.5	H	155	355
9648.000	33.69	-30.5	36.8	27.37	54.0	20.3	H	155	6
12060.000	36.45	-28.7	38.9	26.24	54.0	17.5	H	155	12

Ch6

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2407.700	46.53	2.9	32.0	11.60	54.0	7.5	H	155	4
2458.200	46.54	2.9	32.1	11.50	54.0	7.5	H	155	2
4873.500	48.11	-33.3	34.2	47.26	54.0	5.9	H	155	25
7311.000	32.39	-30.8	35.8	27.44	54.0	21.6	H	155	350
9748.500	33.54	-30.3	36.9	26.97	54.0	20.5	H	155	92
12184.500	36.94	-28.1	38.9	26.11	54.0	17.1	H	155	85

Ch11

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.500	46.59	2.9	32.2	11.48	54.0	7.4	H	155	20
2485.600	46.59	2.9	32.2	11.48	54.0	7.4	H	155	40
4923.000	48.28	-33.5	34.2	47.63	54.0	5.7	H	155	56
7386.000	31.84	-31.5	35.8	27.51	54.0	22.2	H	155	4
9847.500	33.74	-30.2	37.0	26.90	54.0	20.3	H	155	18
12310.500	36.98	-27.8	39.0	25.77	54.0	17.0	H	155	48

802.11b-Peak
Ch1

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2373.574	60.14	2.9	32.0	25.30	74.0	13.9	H	155	176
2378.096	60.12	2.9	32.0	25.26	74.0	13.9	H	155	0
4823.500	52.27	-33.2	34.1	51.38	74.0	21.7	H	155	22
7236.000	43.47	-30.9	35.7	38.60	74.0	30.5	V	155	352
9648.000	44.99	-30.5	36.8	38.67	74.0	29.0	H	155	0
12060.000	45.82	-28.7	38.9	35.61	74.0	28.2	V	155	0

Ch6

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2338.400	44.28	-35.3	31.9	47.65	74.0	29.7	H	155	0
2533.000	44.48	-34.8	32.2	47.00	74.0	29.5	H	155	0
4874.000	51.31	-33.3	34.2	50.46	74.0	22.7	H	155	22
7311.000	42.10	-30.8	35.8	37.15	74.0	31.9	H	155	352
9748.000	44.02	-30.3	36.9	37.45	74.0	30.0	V	155	88
12185.000	48.28	-28.1	38.9	37.45	74.0	25.7	V	155	88

Ch11

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2484.350	60.18	2.9	32.2	25.08	74.0	13.8	H	155	22
2488.855	60.75	2.9	32.2	25.63	74.0	13.3	H	155	44
4924.000	51.49	-33.5	34.2	50.85	74.0	22.5	H	155	66
7386.000	42.52	-31.5	35.8	38.19	74.0	31.5	H	155	0
9848.000	44.04	-30.2	37.0	37.19	74.0	30.0	V	155	22
12310.000	45.23	-27.8	39.0	34.02	74.0	28.8	V	155	44

802.11g - Average
Ch1

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2388.200	46.45	2.9	32.0	11.56	54.0	7.6	H	155	20
2389.800	46.57	2.9	32.0	11.69	54.0	7.4	H	155	45
4824.000	35.79	-33.2	34.1	34.90	54.0	18.2	H	155	240
7236.000	32.55	-30.9	35.7	27.68	54.0	21.5	H	155	180
9648.000	33.54	-30.5	36.8	27.22	54.0	20.5	H	155	85
12060.000	36.32	-28.7	38.9	26.11	54.0	17.7	H	155	25

Ch6

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2389.400	46.54	2.9	32.0	11.66	54.0	7.5	H	155	92
2466.200	46.62	2.9	32.1	11.56	54.0	7.4	H	155	248
4873.500	34.96	-33.3	34.2	34.11	54.0	19.0	H	155	132
7311.000	32.34	-30.8	35.8	27.39	54.0	21.7	H	155	8
9748.500	33.87	-30.3	36.9	27.30	54.0	20.1	H	155	36
12184.500	36.84	-28.1	38.9	26.01	54.0	17.2	H	155	28

Ch11

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.500	46.77	2.9	32.2	11.67	54.0	7.2	H	155	28
2486.500	46.72	2.9	32.2	11.61	54.0	7.3	H	155	48
4923.000	34.97	-33.5	34.2	34.32	54.0	19.0	H	155	92
7386.000	31.71	-31.5	35.8	27.39	54.0	22.3	H	155	72
9847.500	33.68	-30.2	37.0	26.84	54.0	20.3	H	155	226
12310.500	36.99	-27.8	39.0	25.78	54.0	17.0	H	155	4

802.11g - Peak
Ch1

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2376.318	60.10	2.9	32.0	25.24	74.0	13.9	H	155	22
2389.926	60.53	2.9	32.0	25.64	74.0	13.5	H	155	44
2824.000	48.34	3.1	32.5	12.73	74.0	25.7	V	155	242
7236.000	43.64	-30.9	35.7	38.77	74.0	30.4	V	155	176
9648.000	44.58	-30.5	36.8	38.26	74.0	29.4	V	155	88
12060.000	46.27	-28.7	38.9	36.06	74.0	27.7	H	155	22

Ch6

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2330.400	43.11	-35.3	31.9	46.48	74.0	30.9	V	155	88
2539.600	44.26	-34.8	32.2	46.79	74.0	29.7	H	155	242
4871.000	48.75	-33.3	34.2	47.89	74.0	25.3	V	155	110
7311.000	42.63	-30.8	35.8	37.69	74.0	31.4	H	155	0
9748.000	44.02	-30.3	36.9	37.45	74.0	30.0	H	155	44
12185.000	45.19	-28.1	38.9	34.36	74.0	28.8	V	155	22

Ch11

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.990	61.42	2.9	32.2	26.31	74.0	12.6	V	155	22
2490.800	60.57	2.9	32.2	25.45	74.0	13.4	H	155	44
4916.500	47.60	-33.5	34.2	46.92	74.0	26.4	H	155	88
7386.000	42.58	-31.5	35.8	38.26	74.0	31.4	V	155	66
9848.000	44.15	-30.2	37.0	37.31	74.0	29.9	H	155	220
12310.000	47.22	-27.8	39.0	36.01	74.0	26.8	V	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)
2388.300	46.53	2.9	32.0	11.65	54.0	7.5	H	155	8
2389.500	46.58	2.9	32.0	11.69	54.0	7.4	H	155	6
4824.000	35.17	-33.2	34.1	34.27	54.0	18.8	H	155	25
7236.000	32.57	-30.9	35.7	27.70	54.0	21.4	H	155	70
9648.000	33.58	-30.5	36.8	27.26	54.0	20.4	H	155	135
12060.000	36.35	-28.7	38.9	26.14	54.0	17.7	H	155	270

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)
2400.000	46.62	2.9	32.0	11.71	54.0	7.4	H	155	116
2459.700	46.65	2.9	32.1	11.60	54.0	7.3	H	155	139
4872.000	34.31	-33.3	34.2	33.46	54.0	19.7	H	155	94
7311.000	32.42	-30.8	35.8	27.48	54.0	21.6	H	155	49
9748.500	33.67	-30.3	36.9	27.10	54.0	20.3	H	155	4
12184.500	36.86	-28.1	38.9	26.03	54.0	17.1	H	155	28

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	46.79	2.9	32.2	11.68	54.0	7.2	H	155	248
2484.700	46.81	2.9	32.2	11.70	54.0	7.2	H	155	92
4924.500	33.87	-33.5	34.2	33.23	54.0	20.1	H	155	49
7386.000	31.86	-31.5	35.8	27.54	54.0	22.1	H	155	138
9847.500	33.83	-30.2	37.0	26.99	54.0	20.2	H	155	248
12310.50	37.08	-27.8	39.0	25.87	54.0	16.9	H	155	72

802.11n-HT20-Peak
Ch1

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2386.566	60.40	2.9	32.0	25.52	74.0	13.6	H	155	0
2389.982	61.00	2.9	32.0	26.12	74.0	13.0	V	155	0
4824.500	47.74	-33.2	34.1	46.85	74.0	26.3	H	155	22
7236.000	42.81	-30.9	35.7	37.94	74.0	31.2	H	155	66
9648.000	44.84	-30.5	36.8	38.52	74.0	29.2	V	155	132
12060.000	45.68	-28.7	38.9	35.47	74.0	28.3	H	155	274

Ch6

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2323.200	42.74	-35.3	31.9	46.17	74.0	31.3	V	155	110
2527.600	44.04	-34.7	32.2	46.55	74.0	30.0	V	155	132
4874.000	46.37	-33.3	34.2	45.51	74.0	27.6	H	155	88
7311.000	42.44	-30.8	35.8	37.49	74.0	31.6	H	155	44
9748.000	43.60	-30.3	36.9	37.03	74.0	30.4	H	155	0
12185.000	47.10	-28.1	38.9	36.27	74.0	26.9	H	155	22

Ch11

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.690	60.74	2.9	32.2	25.64	74.0	13.3	H	155	242
2484.805	60.56	2.9	32.2	25.45	74.0	13.4	V	155	88
4924.000	46.56	-33.5	34.2	45.92	74.0	27.4	H	155	44
7386.000	43.29	-31.5	35.8	38.97	74.0	30.7	V	155	132
9848.000	43.97	-30.2	37.0	37.12	74.0	30.0	V	155	242
12310.000	47.49	-27.8	39.0	36.28	74.0	26.5	V	155	66

Test graphs as below:

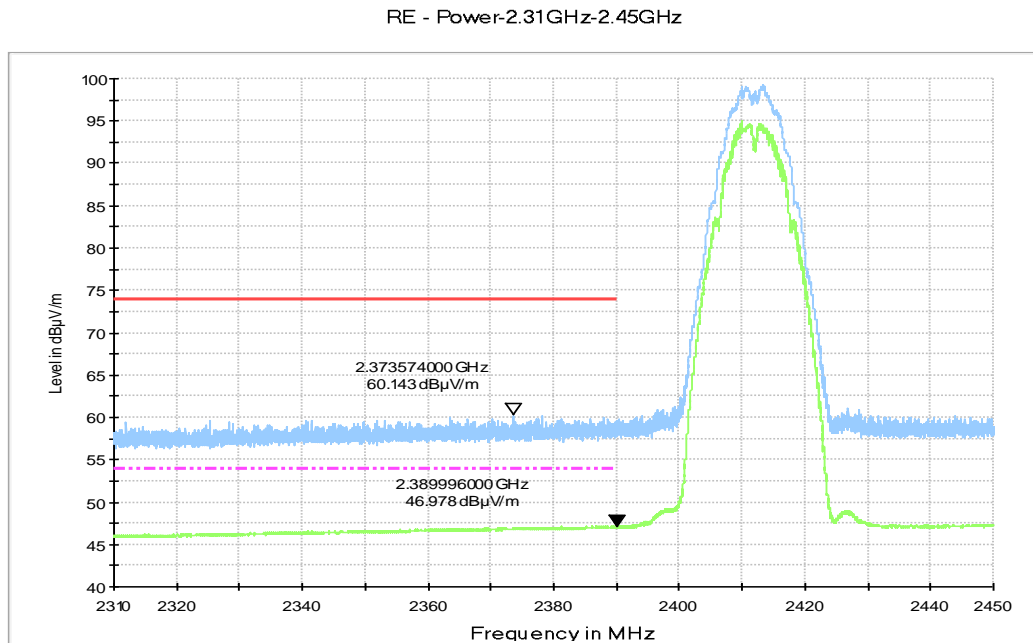


Fig.A.6.2.1 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch1, 2.31 GHz – 2.45GHz

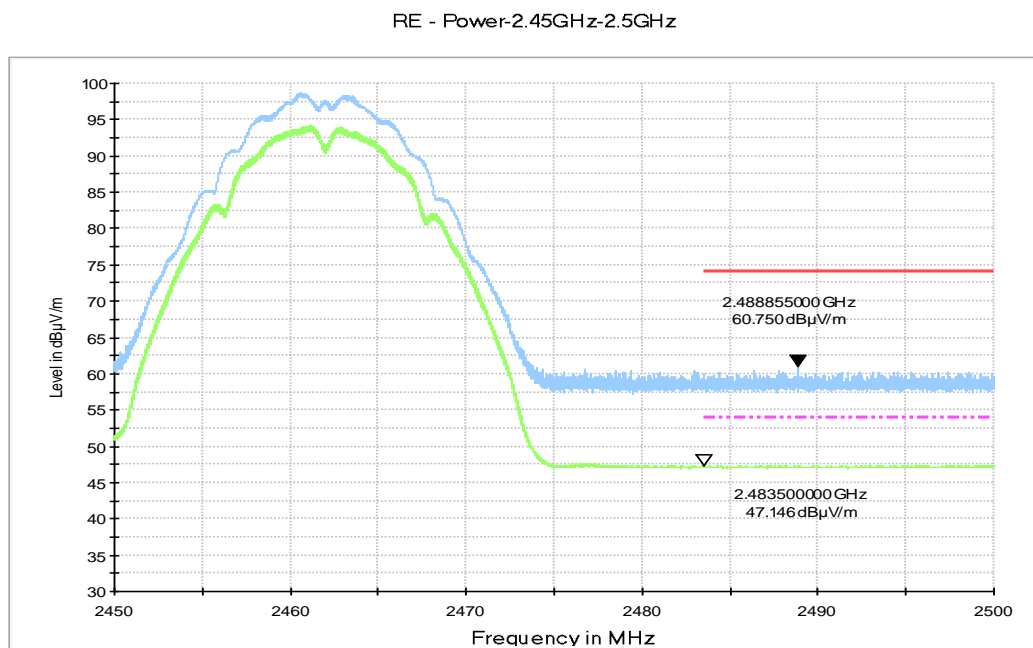


Fig.A.6.2.2 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz

RE - Power-2.31GHz-2.45GHz

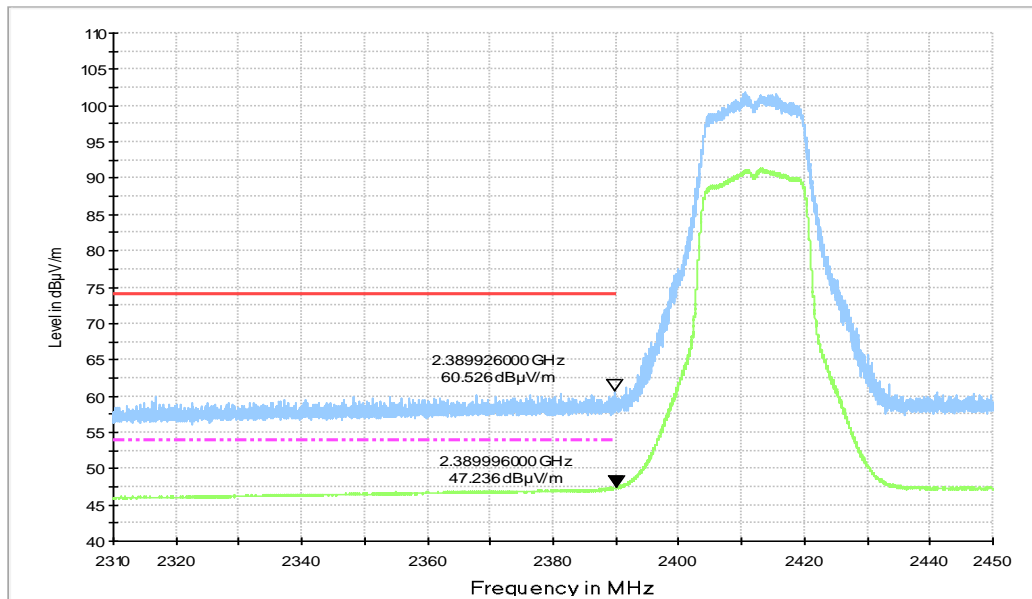


Fig.A.6.2.3 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch1, 2.31 GHz - 2.43GHz

RE - Power-2.45GHz-2.5GHz

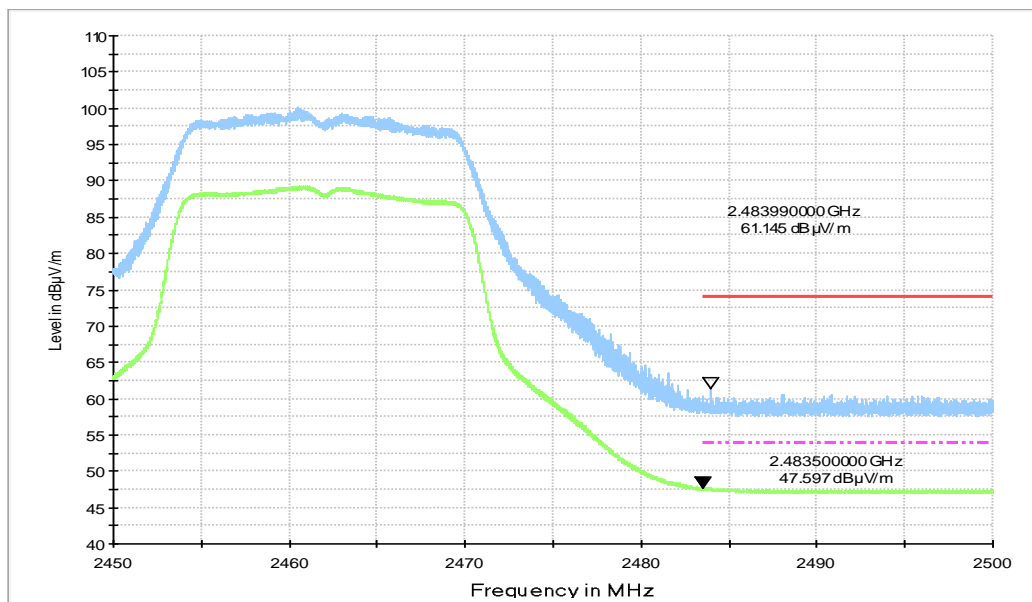


Fig.A.6.2.4 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz

RE - Power-2.31GHz-2.45GHz

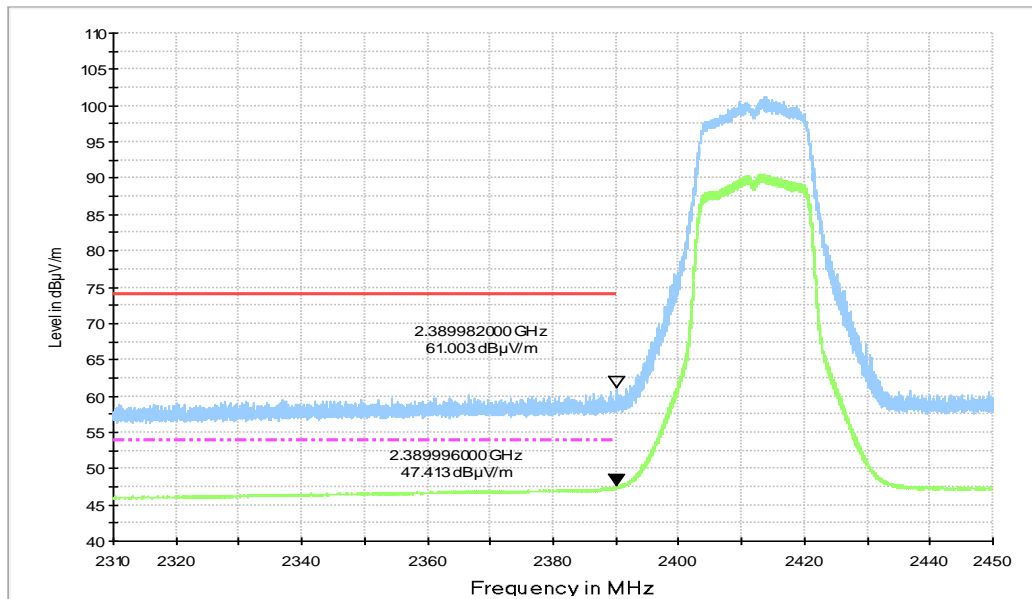


Fig.A.6.2.5 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch1, 2.31GHz - 2.45GHz

RE - Power-2.45GHz-2.5GHz

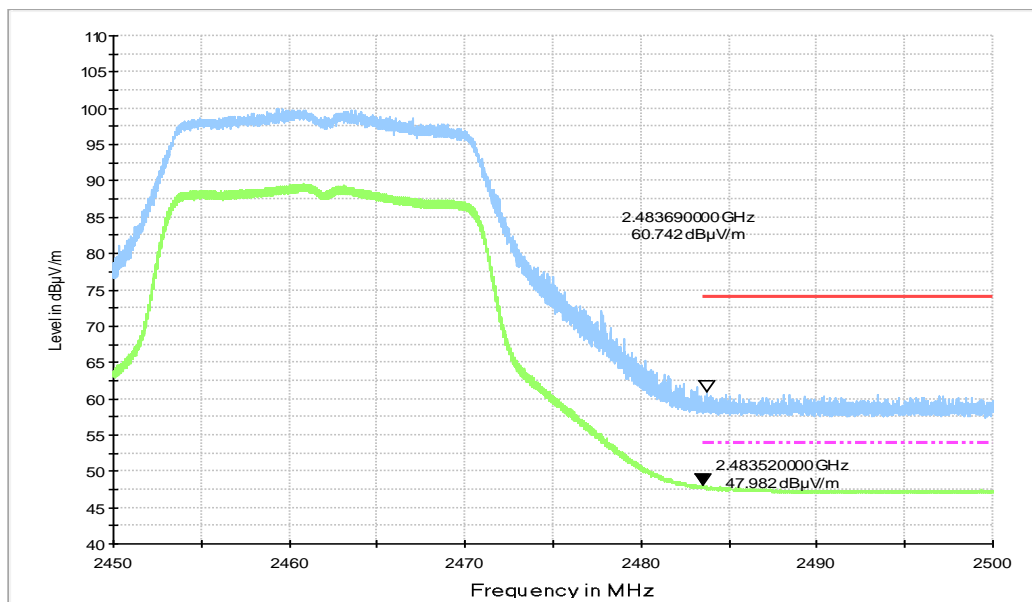


Fig.A.6.2.6 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz

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 (dB μ V)	Result (dB μ V)		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 (dB μ V)	Result (dB μ V)		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:

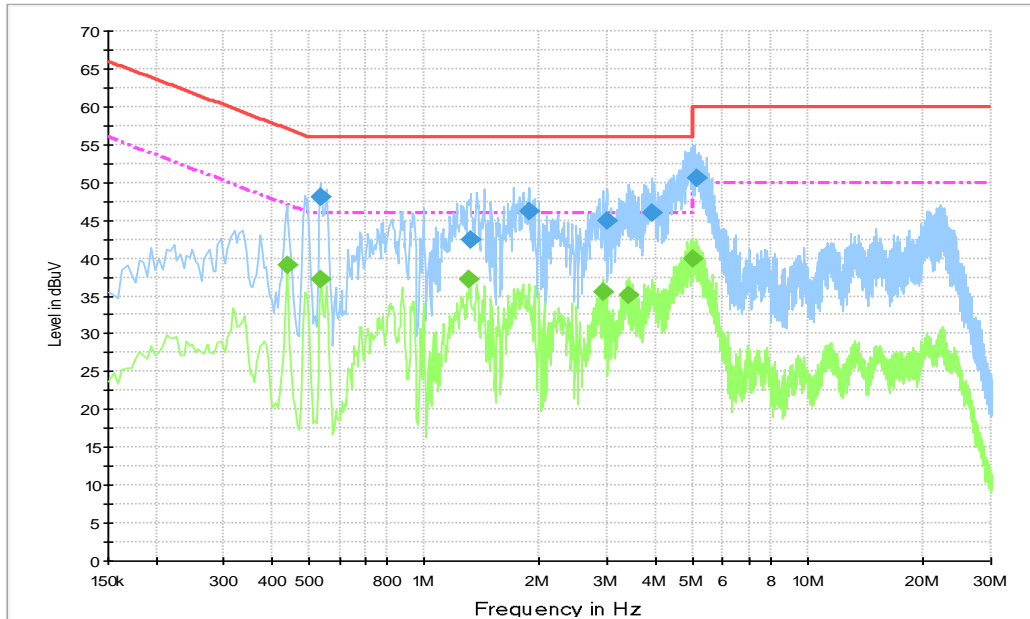


Fig.A.7.1 AC Powerline Conducted Emission-802.11b

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)
0.537000	48.0	10000	9.000	L1	20.0	8.0	56.0
1.320000	42.4	10000	9.000	L1	19.8	13.6	56.0
1.869000	46.1	10000	9.000	L1	19.8	9.9	56.0
2.989500	45.0	10000	9.000	L1	19.8	11.0	56.0
3.925500	45.9	10000	9.000	L1	19.8	10.1	56.0
5.109000	50.6	10000	9.000	L1	19.8	9.4	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.438000	39.0	10000.	9.000	L1	20.0	8.1	47.1
0.537000	37.2	10000.	9.000	L1	20.0	8.8	46.0
1.311000	37.3	10000.	9.000	L1	19.8	8.7	46.0
2.931000	35.4	10000.	9.000	L1	19.8	10.6	46.0
3.426000	35.2	10000.	9.000	L1	19.8	10.8	46.0
4.983000	40.0	10000.	9.000	L1	19.8	6.0	46.0

Note2: The measurement results showed here are worst cases of the combinations of different cables and chargers

Idle:

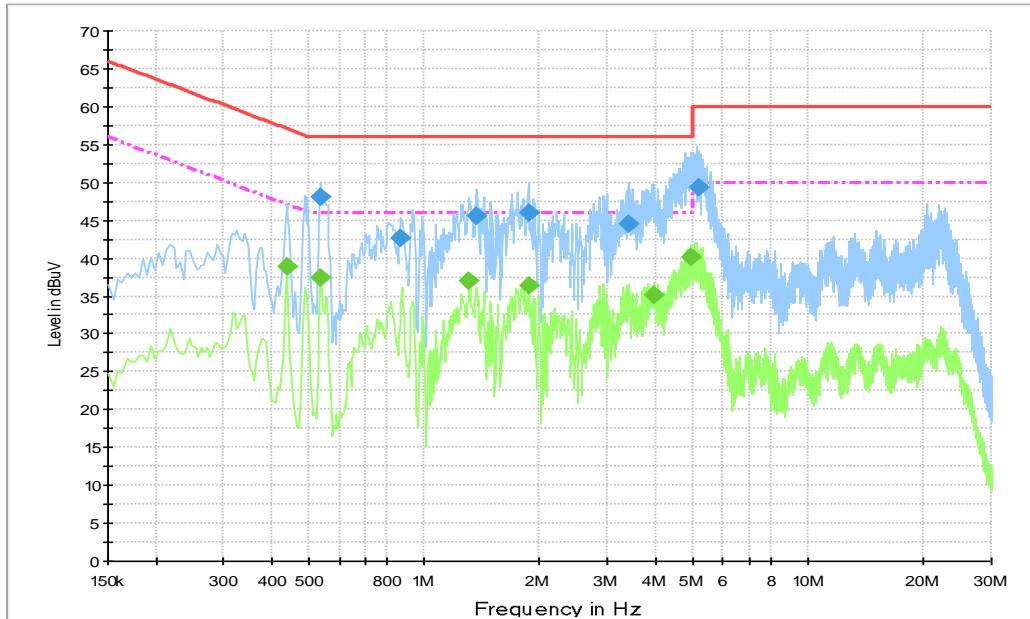


Fig.A.7.2 AC Powerline Conducted Emission-Idle

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)
0.537000	48.1	10000	9.000	L1	20.0	7.9	56.0
0.870000	42.6	10000	9.000	L1	19.8	13.4	56.0
1.374000	45.5	10000	9.000	L1	19.8	10.5	56.0
1.869000	45.9	10000	9.000	L1	19.8	10.1	56.0
3.426000	44.4	10000	9.000	L1	19.8	11.6	56.0
5.167500	49.3	10000	9.000	L1	19.8	10.7	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.438000	39.0	10000.	9.000	L1	20.0	8.1	47.1
0.537000	37.4	10000.	9.000	L1	20.0	8.6	46.0
1.311000	37.0	10000.	9.000	L1	19.8	9.0	46.0
1.869000	36.3	10000.	9.000	L1	19.8	9.7	46.0
3.988500	35.0	10000.	9.000	L1	19.8	11.0	46.0
4.969500	40.1	10000.	9.000	L1	19.8	5.9	46.0

Note2: The measurement results showed here are worst cases of the combinations of different cables and chargers

ANNEX B: Accreditation Certificate

<p>United States Department of Commerce National Institute of Standards and Technology</p> 	
<hr/> <p>Certificate of Accreditation to ISO/IEC 17025:2005</p> <hr/>	
<p>NVLAP LAB CODE: 600118-0</p>	
<p>Telecommunication Technology Labs, CAICT Beijing China</p>	
<p><i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i></p>	
<p>Electromagnetic Compatibility & Telecommunications</p>	
<p><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></p>	
<hr/> <p>2019-09-26 through 2020-09-30 <i>Effective Dates</i></p>	 <hr/> <p><i>[Signature]</i> For the National Voluntary Laboratory Accreditation Program</p>

END OF REPORT