

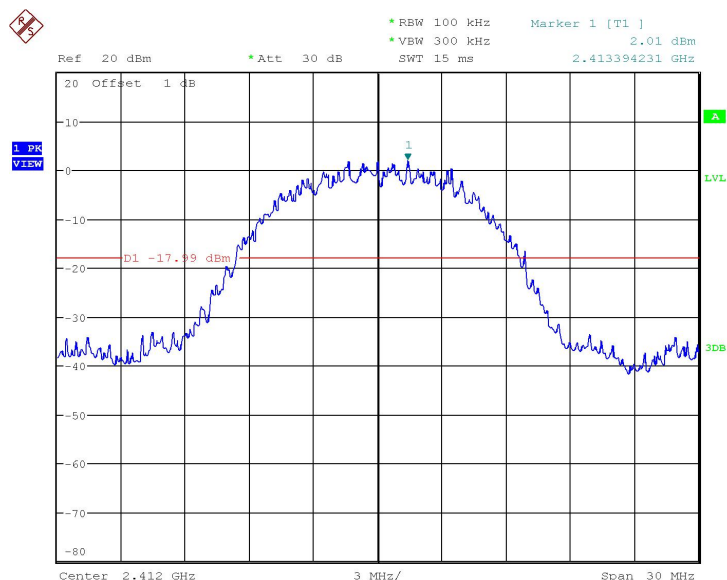
		30MHz~26GHz	Fig 36.	P
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802.11n mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n(20MHz)	1	2.412GHz	Fig 37.	P
		30MHz~26GHz	Fig 38.	P
	6	2.437GHz	Fig 39.	P
		30MHz~26GHz	Fig 40.	P
	11	2.462GHz	Fig 41.	P
		30MHz~26GHz	Fig 42.	P

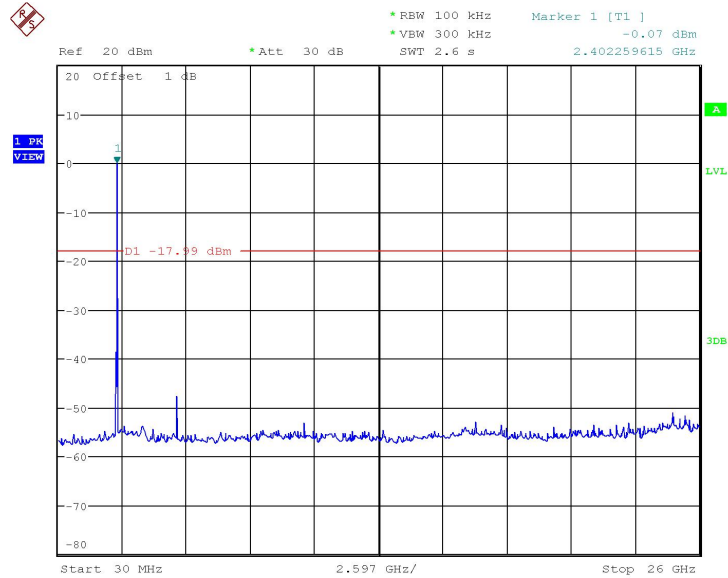
Conclusion: PASS

Test graphs as below:



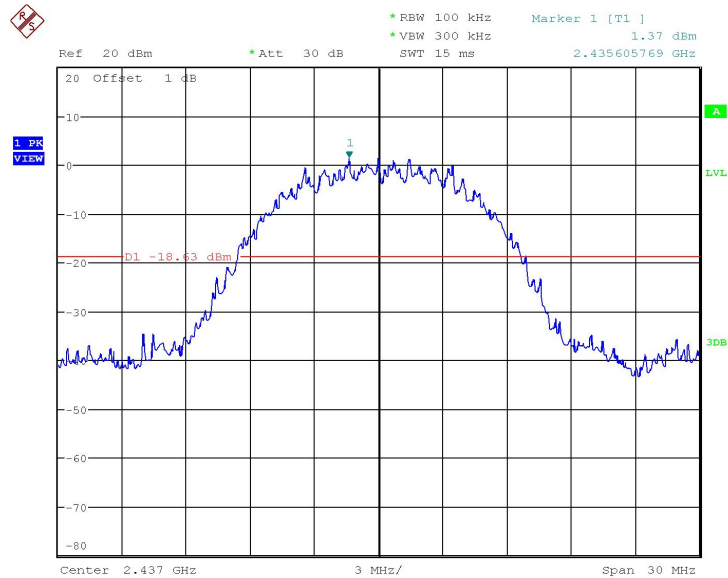
Date: 6.DEC.2018 05:23:56

Fig 25. Conducted Spurious Emission (802.11b, Ch1)



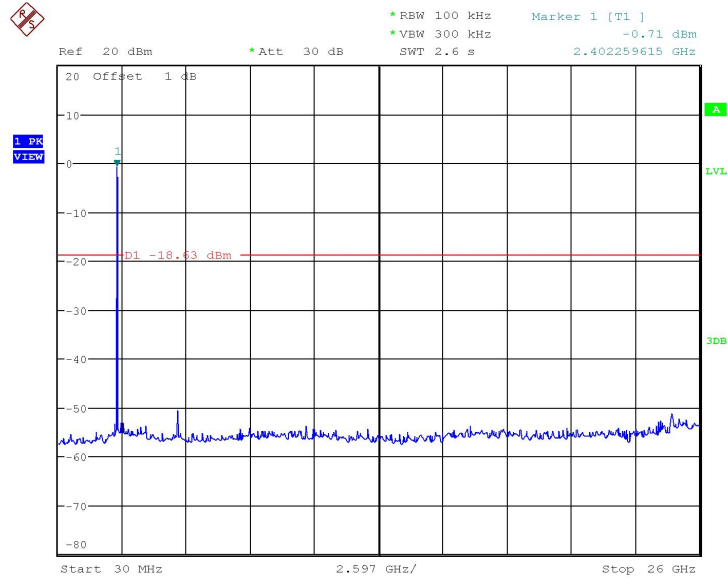
Date: 6.DEC.2018 05:25:06

Fig 26. Conducted Spurious Emission (802.11b, Ch1, 30MHz~26GHz)



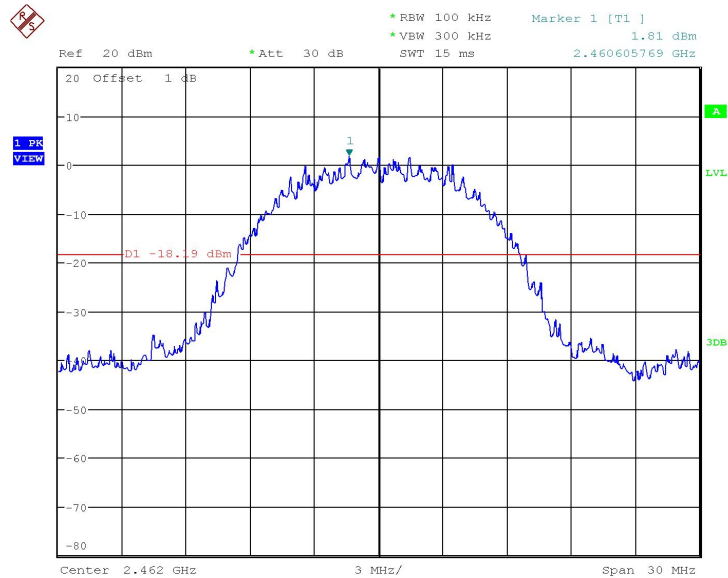
Date: 6.DEC.2018 05:26:03

Fig 27. Conducted Spurious Emission (802.11b, Ch6)



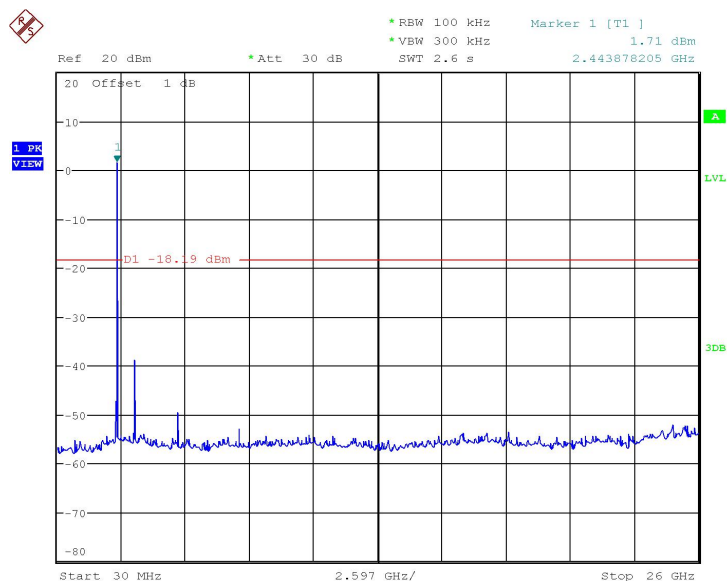
Date: 6.DEC.2018 05:27:19

Fig 28. Conducted Spurious Emission (802.11b, Ch6, 30MHz~26GHz)



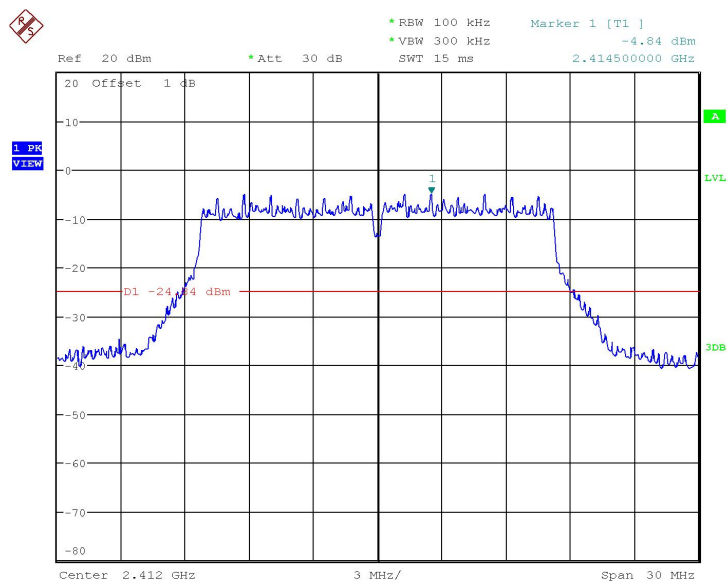
Date: 6.DEC.2018 07:37:01

Fig 29. Conducted Spurious Emission (802.11b, Ch11)



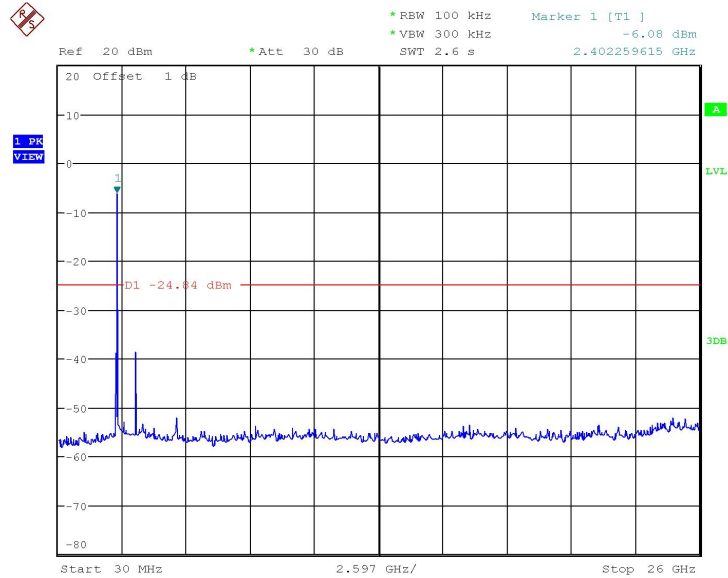
Date: 6.DEC.2018 07:38:11

Fig 30. Conducted Spurious Emission (802.11b, Ch11, 30MHz~26GHz)



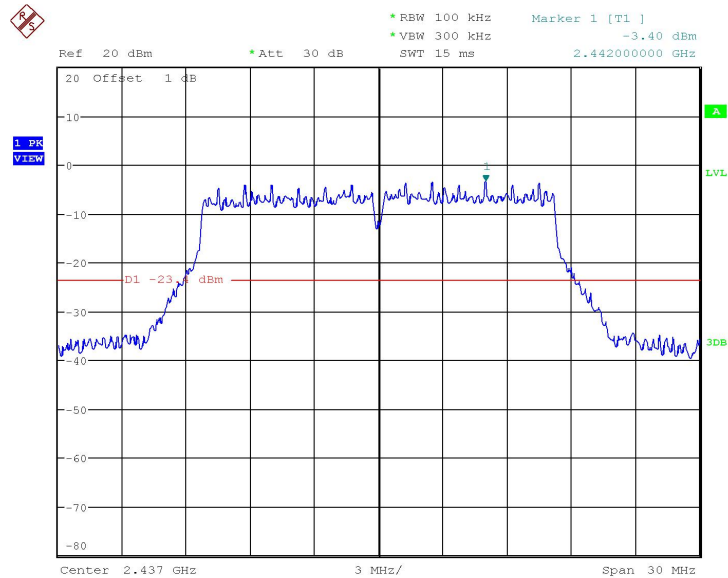
Date: 6.DEC.2018 07:39:51

Fig 31. Conducted Spurious Emission (802.11g, Ch1)



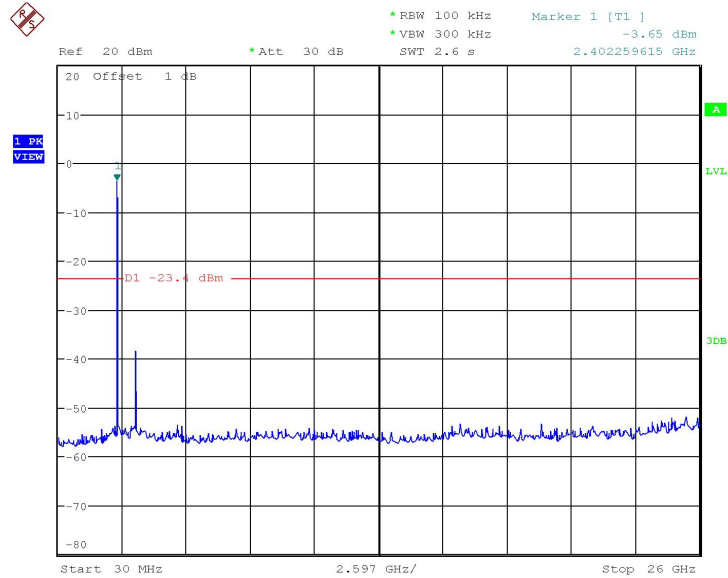
Date: 6.DEC.2018 07:41:01

Fig 32. Conducted Spurious Emission (802.11g, Ch1, 30MHz~26GHz)



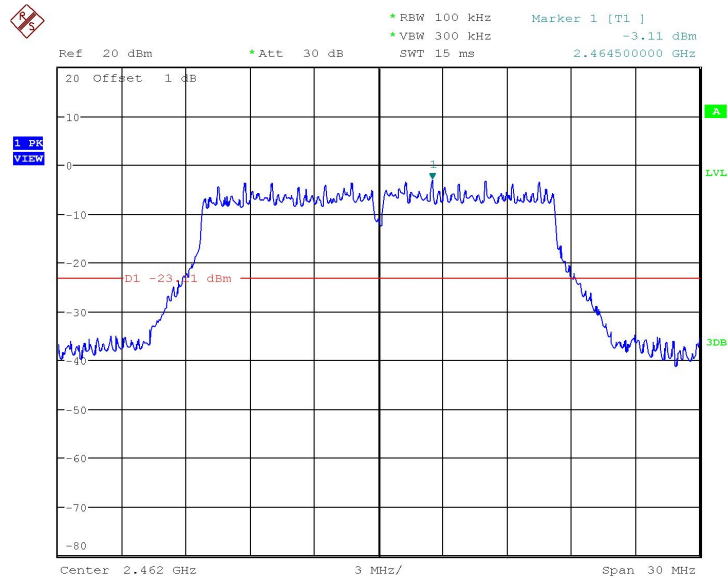
Date: 6.DEC.2018 07:42:29

Fig 33. Conducted Spurious Emission (802.11g, Ch6)



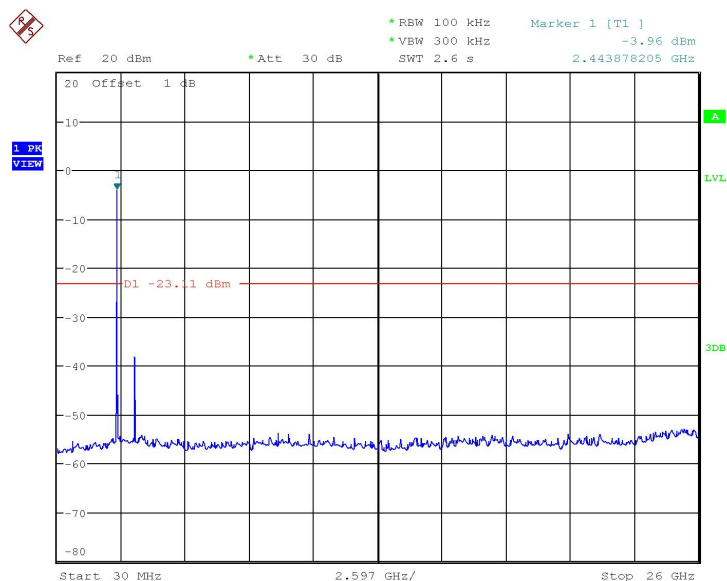
Date: 6.DEC.2018 07:43:46

Fig 34. Conducted Spurious Emission (802.11g, Ch6, 30MHz~26GHz)



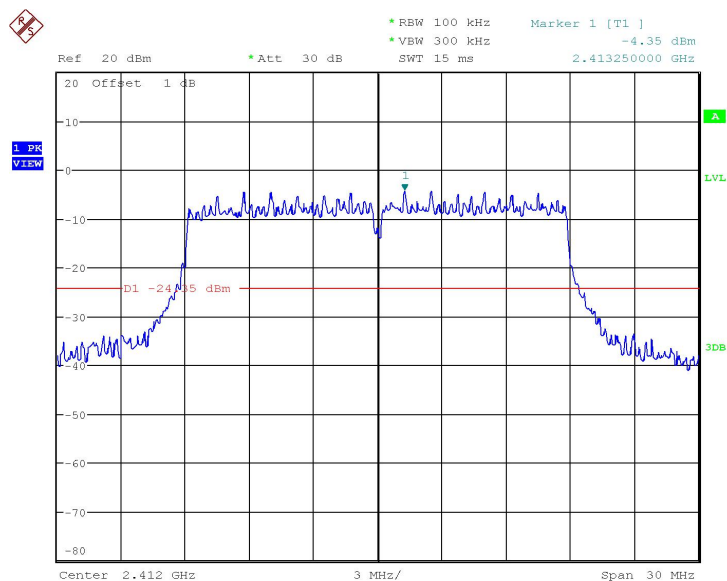
Date: 6.DEC.2018 07:46:08

Fig 35. Conducted Spurious Emission (802.11g, Ch11)



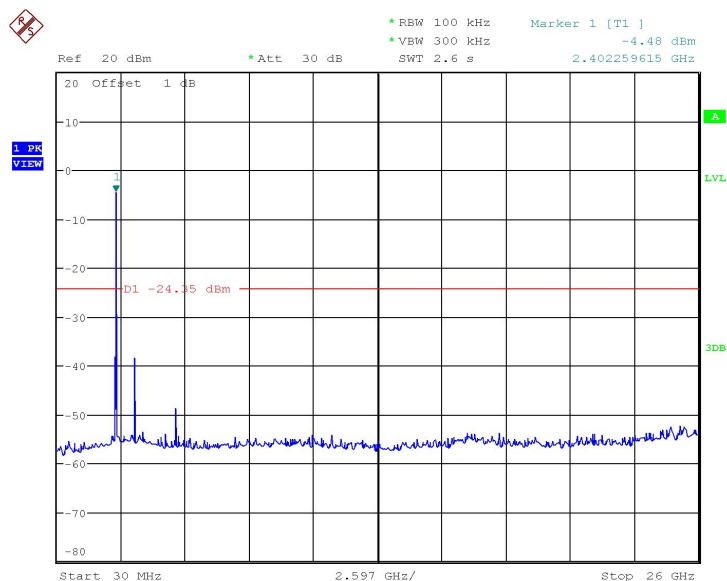
Date: 6.DEC.2018 07:47:18

Fig 36. Conducted Spurious Emission (802.11g, Ch11, 30MHz~26GHz)



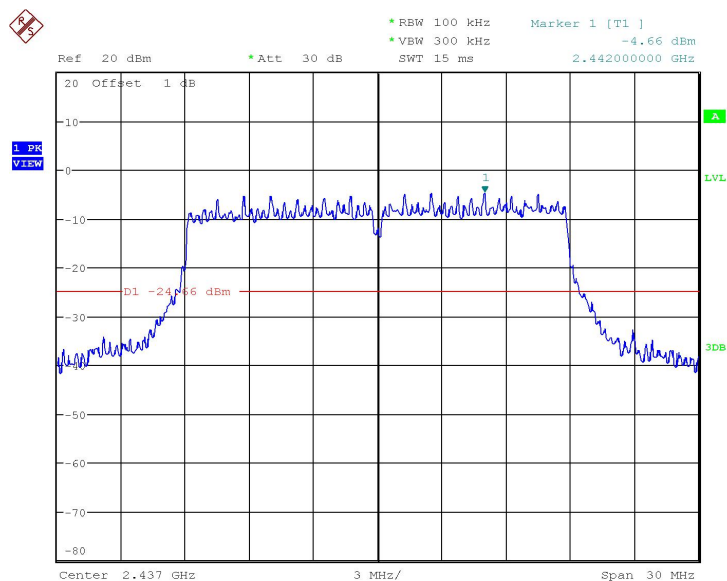
Date: 6.DEC.2018 07:48:36

Fig 37. Conducted Spurious Emission (802.11n-20MHz, Ch1)



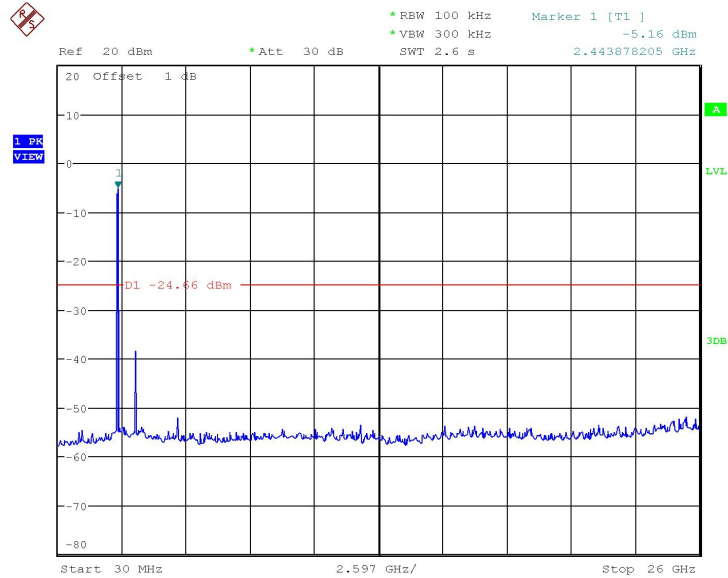
Date: 6.DEC.2018 07:49:46

Fig 38. Conducted Spurious Emission (802.11n-20MHz, Ch1, 30MHz~26GHz)



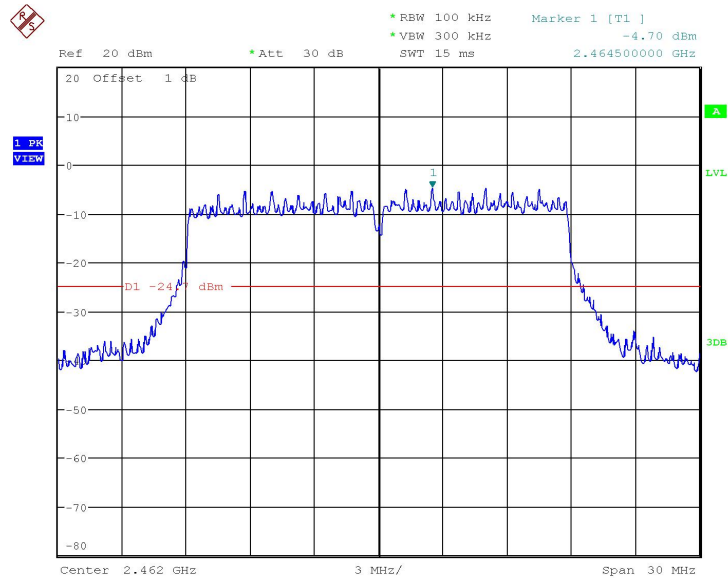
Date: 6.DEC.2018 07:50:58

Fig 39. Conducted Spurious Emission (802.11n-20MHz, Ch6)



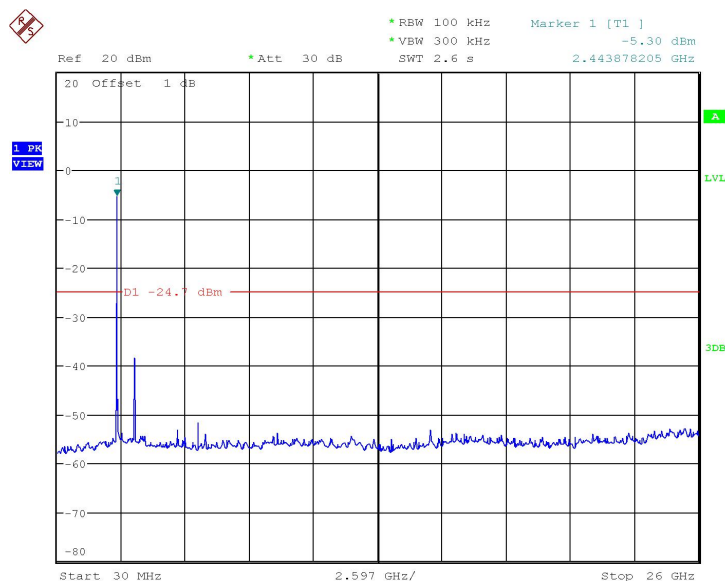
Date: 6.DEC.2018 07:52:15

Fig 40. Conducted Spurious Emission (802.11n-20MHz, Ch6, 30MHz~26GHz)



Date: 6.DEC.2018 07:53:57

Fig 41. Conducted Spurious Emission (802.11n-20MHz, Ch11)



Date: 6.DEC.2018 07:55:07

Fig 42. Conducted Spurious Emission (802.11n-20MHz, Ch11, 30MHz~26GHz)

6.6. Transmitter Spurious Emission-Radiated

6.6.1 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 25.205(a), must also comply with the radiated emission limits specified in 15.209(a)(see 15.205(c)). The measurement is according to ANSI C63.10 clause 11.11 and 11.12.

6.6.2 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

Measurement Uncertainty

Measurement Items	Range	Confidence Level	Calculated Uncertainty
Transmitter Spurious Emission-Radiated	9KHz-30MHz	95%	$\pm 5.66\text{db}$

Transmitter Spurious Emission-Radiated	30MHz-1000MHz	95%	$\pm 4.98\text{db}$
Transmitter Spurious Emission-Radiated	1000MHz -18000MHz	95%	$\pm 5.06\text{db}$
Transmitter Spurious Emission-Radiated	18000MHz -40000MHz	95%	$\pm 5.20\text{db}$

6.6.3 Test procedures

Portable, small, lightweight, or modular devices that may be handheld, worn on the body, or placed on a table during operation shall be positioned on a nonconducting platform, the top of which is 80 cm above the reference ground plane. The preferred area occupied by the EUT arrangement is 1 m by 1.5 m, For emissions testing at or below 1 GHz, the table height shall be 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m but it may be larger or smaller to accommodate various sized EUTs. For testing purposes, ceiling- and wall-mounted devices also shall be positioned on a tabletop (see also ANSI C63.4-2013 section 6.3.4 and 6.3.5). In making any tests involving handheld, body-worn, or ceiling-mounted equipment, it is essential to recognize that the measured levels may be dependent on the orientation (attitude) of the three orthogonal axes of the EUT. Thus, exploratory tests as specified in 8.3.1 shall be carried out for various axes orientations to determine the attitude having maximum or near-maximum emission level.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During testing, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emission 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 Times (s)
30~1000	100KHz/300KHz	5
1000~4000	1MHz/3MHz	15
4000~18000	1MHz/3MHz	40
18000~26500	1MHz/3MHz	20

Main supply

802.11b/g mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	Power (low)	2.31GHz~2.5GHz	Fig 43.	P
	Power (high)	2.31GHz~2.5GHz	Fig 44.	P

	1	30MHz~1GHz	Fig 45.	P
		1GHz~3GHz	Fig 46.	P
		3GHz~18GHz	Fig 47.	P
802.11g	Power (low)	2.31GHz~2.5GHz	Fig 48.	P
	Power (high)	2.31GHz~2.5GHz	Fig 49.	P
	1	30MHz~1GHz	Fig 50.	P
		1GHz~3GHz	Fig 51.	P
		3GHz~18GHz	Fig 52.	P

802.11n mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n(20MHz)	Power (low)	2.31GHz~2.5GHz	Fig 53.	P
	Power (high)	2.31GHz~2.5GHz	Fig 54.	P
	1	30MHz~1GHz	Fig 55.	P
		1GHz~3GHz	Fig 56.	P
		3GHz~18GHz	Fig 57.	P

Conclusion: PASS
Note:

A "reference path loss" is established and AR_{pi} 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:

AR_{pi} = Cable loss + Antenna Gain-Preamplifier gain

Result = P_{Mea} + Cable loss + Antenna Gain-Preamplifier gain = P_{Mea} + AR_{pi} .

Main supply
802.11b mode
Ch1 30MHz~1GHz

Frequency(MHz)	Result(dBuV/m)	AR_{pi} (dB)	P_{Mea} (dBuV/m)	Polarity
34.2	12.93	-22	34.93	V
35.7	15.93	-21.7	37.63	V

52.4	12	-20.4	32.4	V
182.5	8.22	-25	33.22	V
613.3	19.05	-13.8	32.85	H
849.2	22.31	-10.5	32.81	V

Ch1 1GHz~3GHz(Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2561.2	53.65	7.2	46.45	H
2613.4	54.08	7.4	46.68	V
2687.3	55.58	7.8	47.78	H
2756.7	54.25	7.7	46.55	H
2810.9	54.59	8	46.59	V
2871.5	55.62	8.6	47.02	V

Ch1 1GHz~3GHz(Average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2613.4	41.99	7.4	34.59	V
2687.3	42.47	7.8	34.67	H
2756.7	42.36	7.7	34.66	H
2810.9	42.7	8	34.7	V
2871.5	43.28	8.6	34.68	V

Ch1 3GHz~18GHz(Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
4923.9	50.29	0.2	50.09	V
11898.5	51.76	15.3	36.46	H
12884.4	52.52	16.9	35.62	H
13794.6	54.35	18.5	35.85	H
16280.1	58.69	25.6	33.09	V

16862.5	60.69	27.4	33.29	V
---------	-------	------	-------	---

Ch1 3GHz~18GHz(Average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
13794.6	41.41	18.5	22.91	H
16280.1	46.42	25.6	20.82	V
16862.5	47.79	27.4	20.39	V

802.11g
Ch1 30MHz~1GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
33.9	13.24	-22	35.24	V
36.0	13.65	-21.7	35.35	V
220.9	15.08	-24	39.08	V
464.2	15.28	-17.8	33.08	H
603.9	18.69	-14.1	32.79	V
871.7	22.7	-9.9	32.6	V

Ch1 1GHz~3GHz(Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2566.5	53.7	7.2	46.5	V
2652.4	54.08	7.7	46.38	H
2749.3	54.35	7.7	46.65	V
2816.2	54.39	8	46.39	H
2861.3	55.26	8.4	46.86	H
2953.3	55.54	8.7	46.84	V

Ch1 1GHz~3GHz(Average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2652.4	42.5	7.7	34.8	H

2749.3	42.51	7.7	34.81	V
2816.2	42.84	8	34.84	H
2861.3	43.09	8.4	34.69	H
2953.3	43.32	8.7	34.62	V

Ch1 3GHz~18GHz(Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
4818.3	47.71	0	47.71	H
7238.7	55.22	4.7	50.52	H
12435.8	52.07	15.8	36.27	V
13769.9	53.55	18.3	35.25	H
15410.6	56.11	22.7	33.41	H
16978.2	59.87	27.1	32.77	H

Ch1 3GHz~18GHz(Average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
7238.7	41.19	4.7	36.49	H
15410.6	43.81	22.7	21.11	H
16978.2	47.91	27.1	20.81	H

802.11n-20MHz
Ch1 30MHz~1GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
34.4	15.75	-22	37.75	V
36.2	17.06	-21.6	38.66	V
52.8	29.82	-20.5	50.32	V
101.1	22.68	-23.5	46.18	H
248.1	17.68	-22.8	40.48	H
798.0	21.59	-11	32.59	V

Ch1 1GHz~3GHz(Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2212.1	50.73	4	46.73	H
2579.0	53.76	7.3	46.46	V
2667.4	54.55	7.8	46.75	H
2729.8	54.46	7.8	46.66	V
2810.7	54.42	8	46.42	V
2937.6	55.49	8.7	46.79	H

Ch1 1GHz~3GHz(Average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2667.4	42.51	7.8	34.71	H
2729.8	42.28	7.8	34.48	V
2810.7	42.56	8	34.56	V
2937.6	43.55	8.7	34.85	H

Ch1 3GHz~18GHz(Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
4817.9	46.31	0	46.31	V
7233.7	54.63	4.7	49.93	H
14299.2	54.97	20.8	34.17	H
14794.8	54.67	20.5	34.17	H
16874.5	59.9	27.4	32.5	V
17516.7	60.44	27.6	32.84	H

Ch1 3GHz~18GHz(Average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
7233.7	39.99	4.7	35.29	H
14299.2	42.82	20.8	22.02	H

14794.8	42.27	20.5	21.77	H
16874.5	47.75	27.4	20.35	V
17516.7	47.69	27.6	20.09	H

Secondary supply
802.11b/g mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	Power (low)	2.31GHz~2.5GHz	Fig 58.	P
	Power (high)	2.31GHz~2.5GHz	Fig 59.	P
	1	30MHz~1GHz	Fig 60.	P
		1GHz~3GHz	Fig 61.	P
		3GHz~18GHz	Fig 62.	P

802.11b mode
Ch1 30MHz~1GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
35.2	11.14	-21.9	33.04	V
36.4	14.16	-21.6	35.76	V
52.9	11.9	-20.5	32.4	V
98.3	13.71	-23.7	37.41	V
383.7	20.6	-19.5	40.1	H
700.0	20.89	-12.6	33.49	V

Ch1 1GHz~3GHz(Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2536.7	53.91	7	46.91	V
2606.3	54.09	7.4	46.69	H
2686.5	53.95	7.8	46.15	V
2737.6	54.17	7.8	46.37	H

2793.2	55.58	7.8	47.78	H
2911.4	56.13	8.8	47.33	H

Ch1 1GHz~3GHz(Average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2606.3	41.95	7.4	34.55	H
2737.6	42.57	7.8	34.77	H
2793.2	42.6	7.8	34.8	H
2911.4	43.38	8.8	34.58	H

Ch1 3GHz~18GHz(Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
4824.0	56.3	0	56.3	H
7234.4	56.33	4.7	51.63	V
13197.5	52.36	16.8	35.56	H
14332.1	53.67	20.2	33.47	H
15938.0	57.94	24.6	33.34	H
16969.2	60.54	27.1	33.44	V

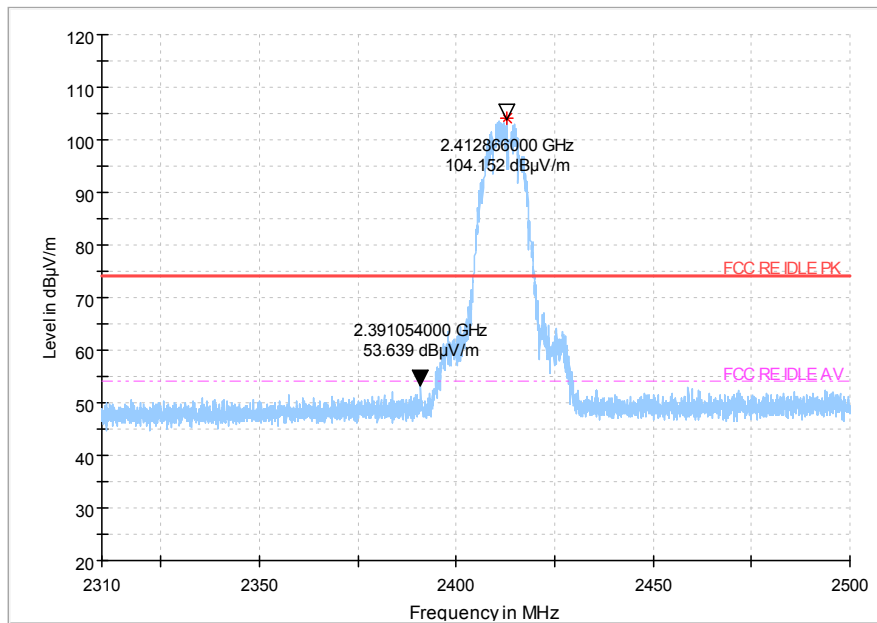
Ch1 3GHz~18GHz(Average)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
4824.0	47.02	0	47.02	H
7234.4	46.01	4.7	41.31	V
15938.0	45.87	24.6	21.27	H
16969.2	47.96	27.1	20.86	V

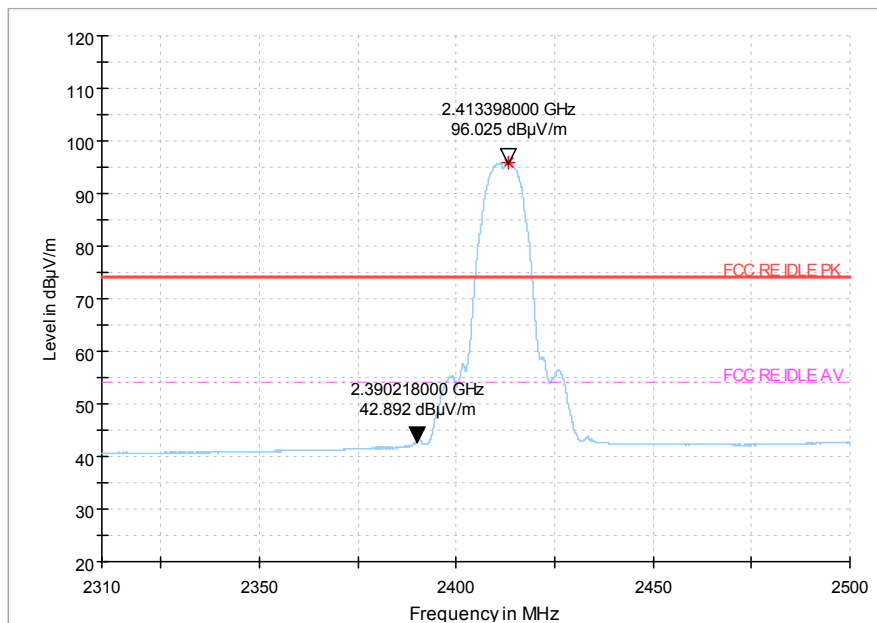
Note: Only the worst case is written in the report.

Test graphs as below:

Main supply

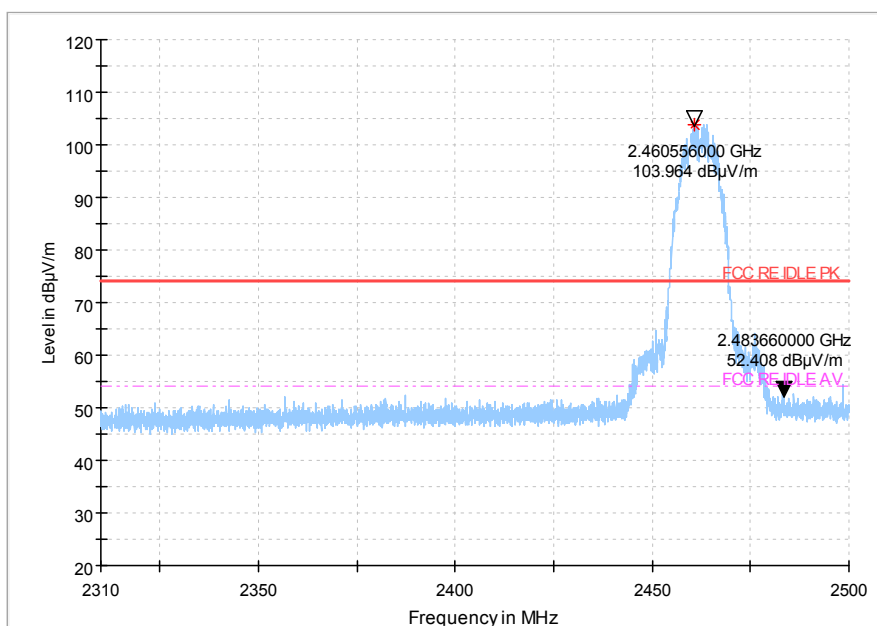


Peak detector

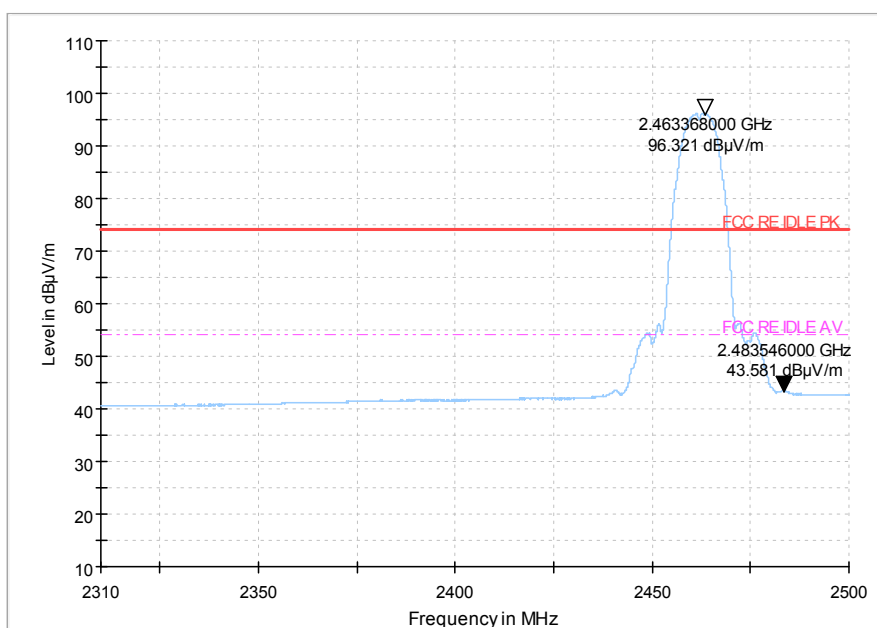


AV detector

Fig 43. Radiated emission (Power): 802.11b, low channel



Peak detector



AV detector

Fig 44. Radiated emission (Power): 802.11b, high channel

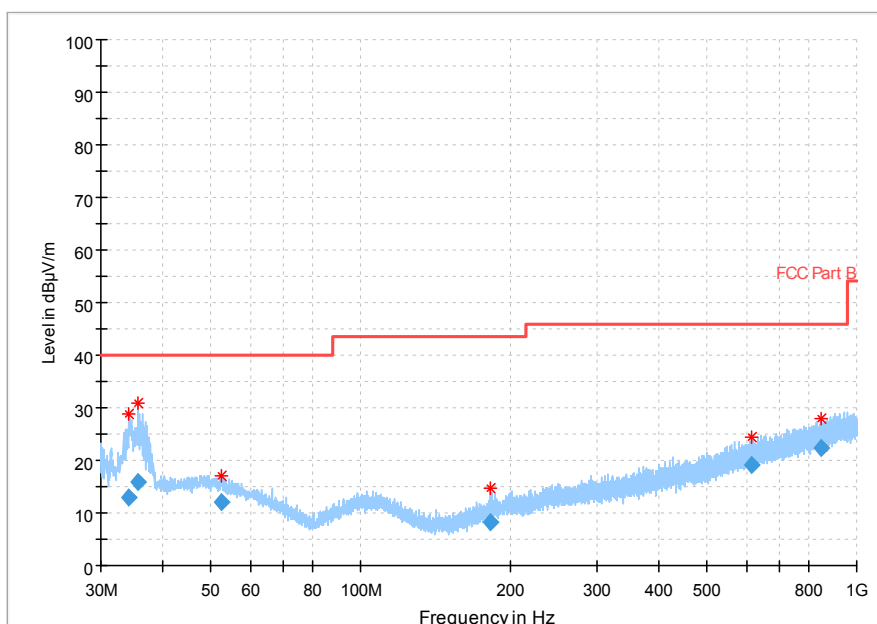


Fig 45. Radiated Spurious Emission (802.11b,Ch1,30MHz~1GHz)

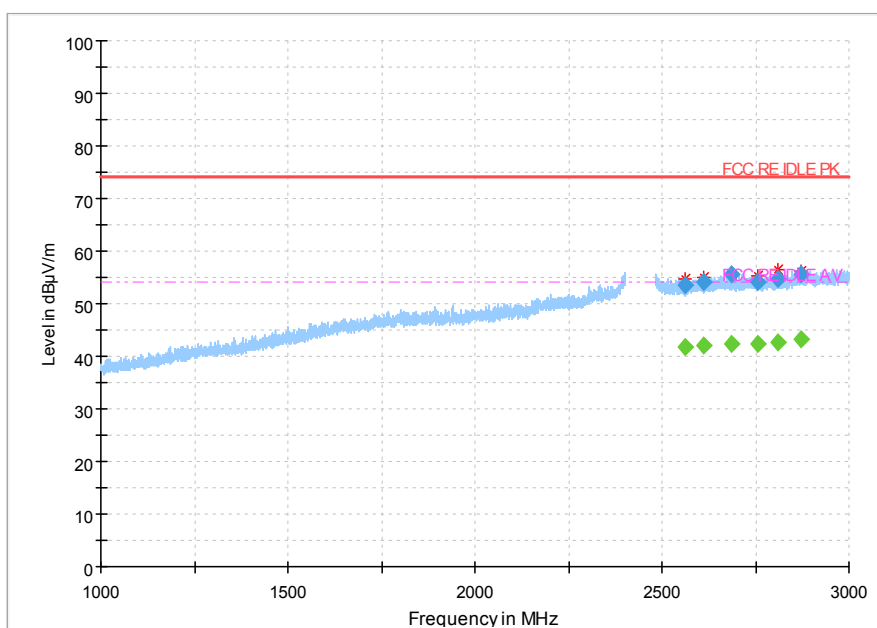


Fig 46. Radiated Spurious Emission (802.11b,Ch1,1GHz~3GHz)

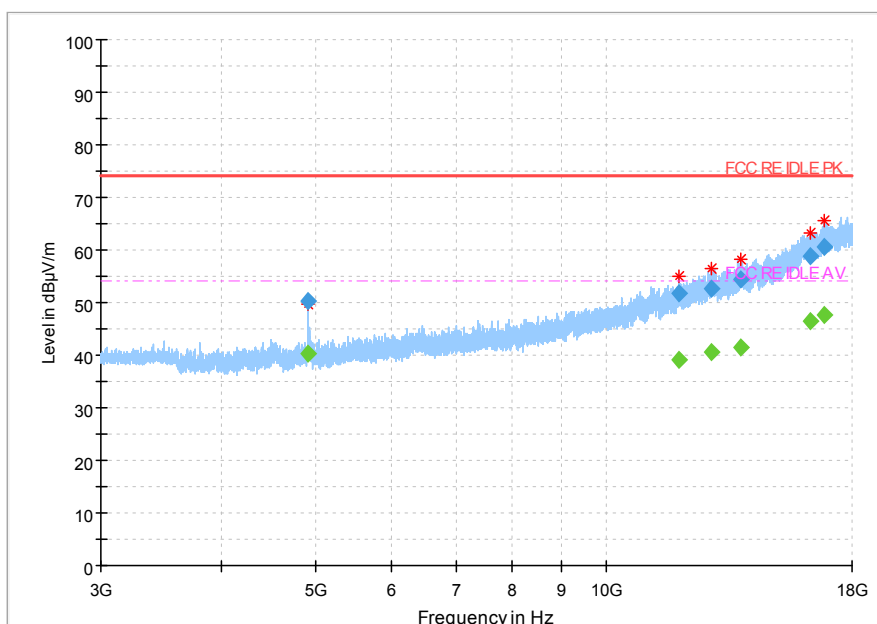
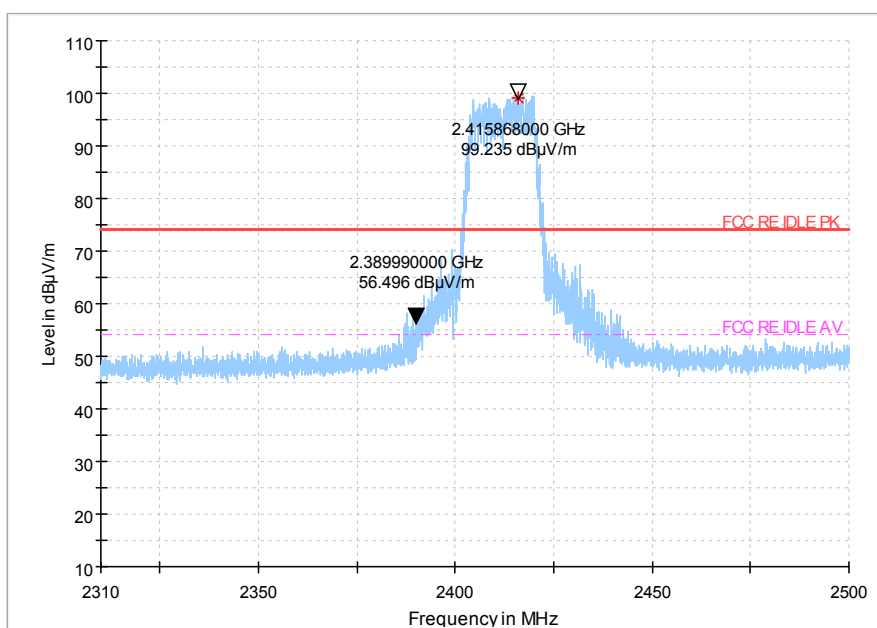
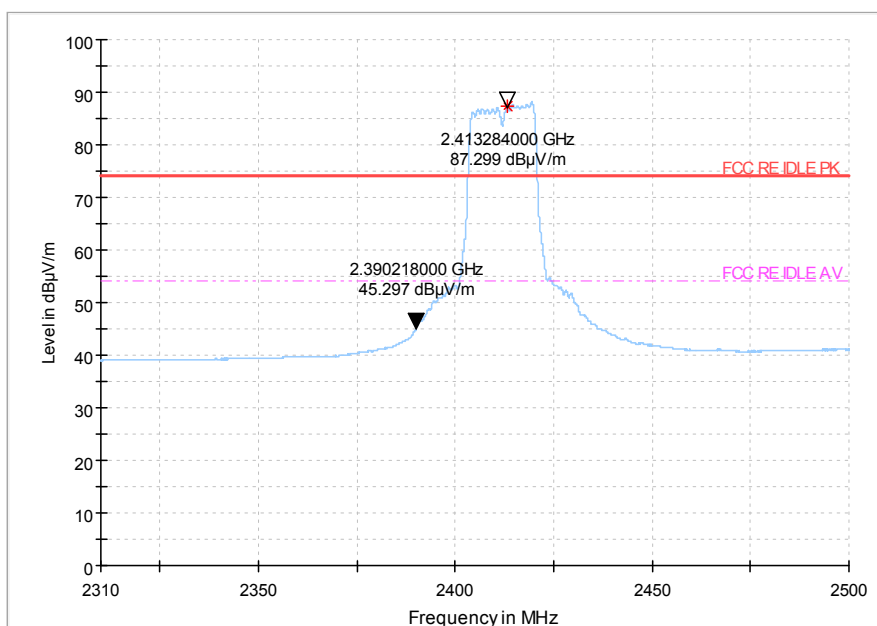


Fig 47. Radiated Spurious Emission (802.11b, Ch1, 3GHz~18GHz)

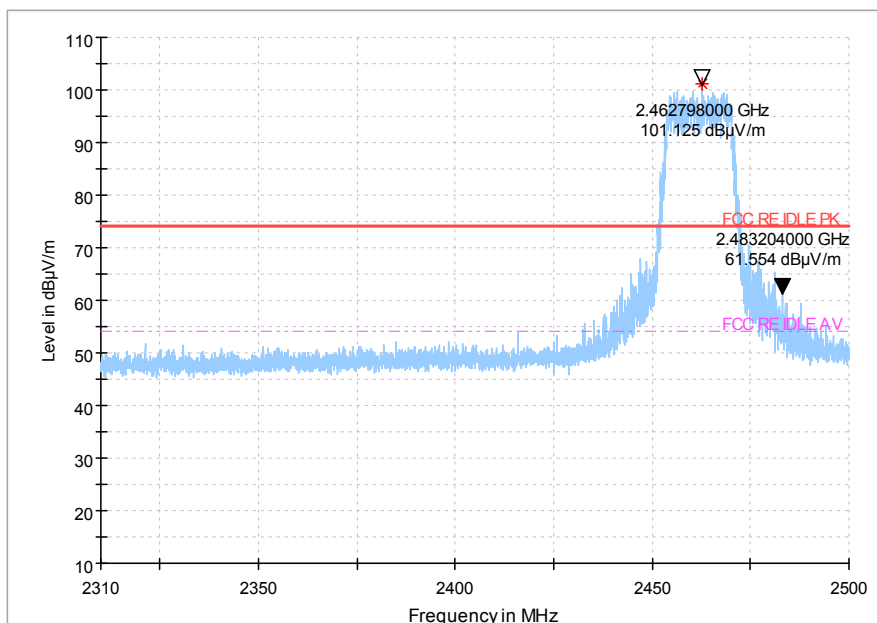


Peak detector

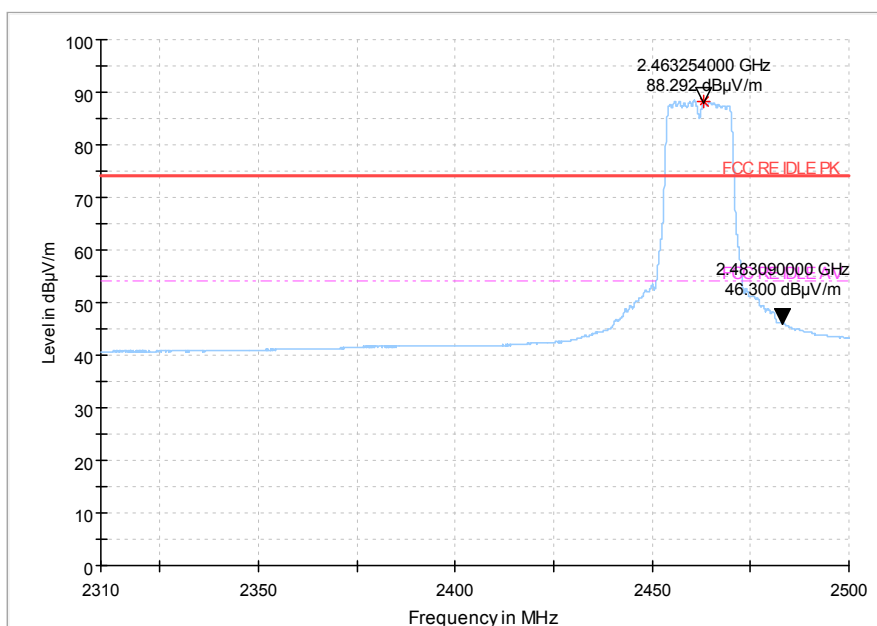


AV detector

Fig 48. Fig.102 Radiated emission (Power): 802.11g, low channel



Peak detector



AV detector

Fig 49. Radiated emission (Power): 802.11g, high channel

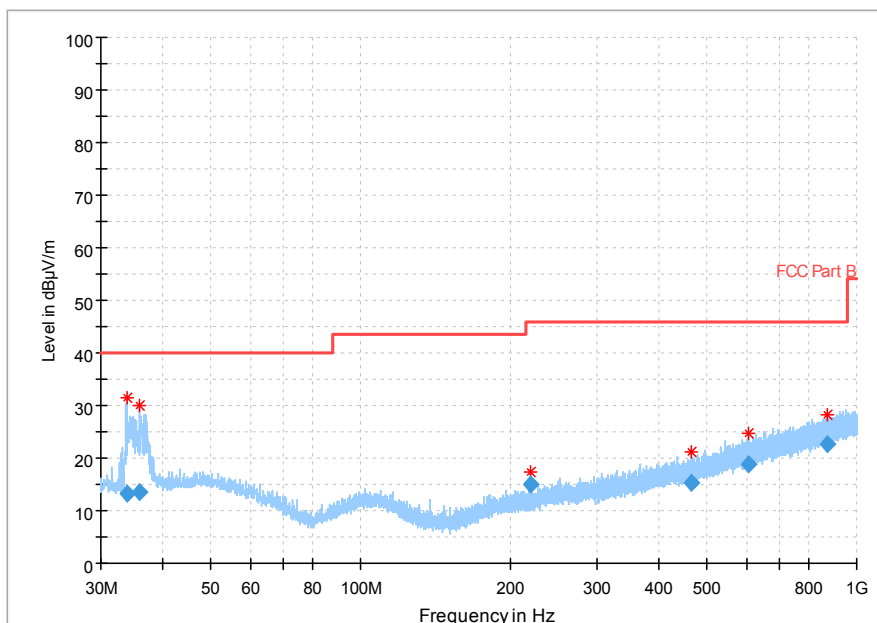


Fig 50. Radiated Spurious Emission (802.11g,Ch1,30MHz~1GHz)

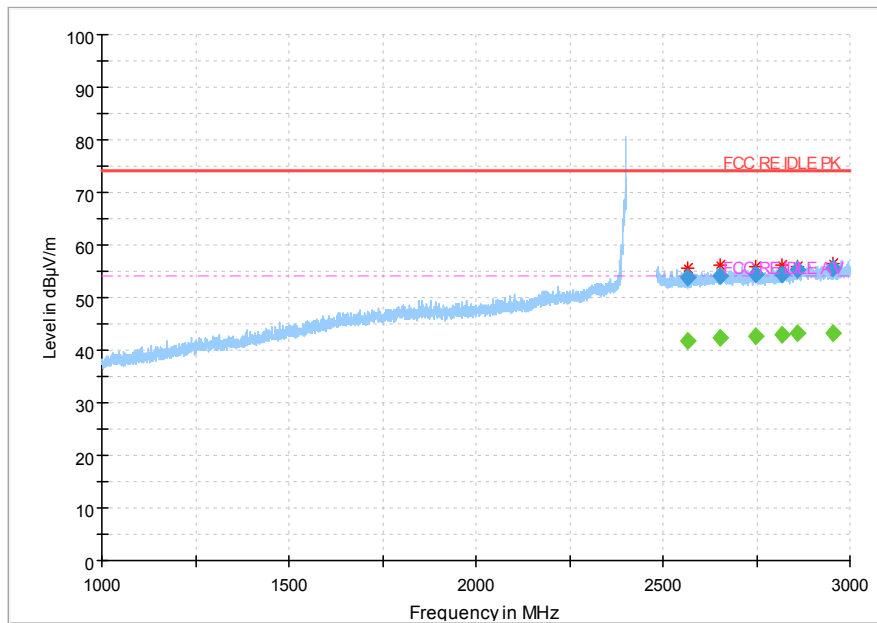


Fig 51. Radiated Spurious Emission (802.11g,Ch1,1GHz~3GHz)

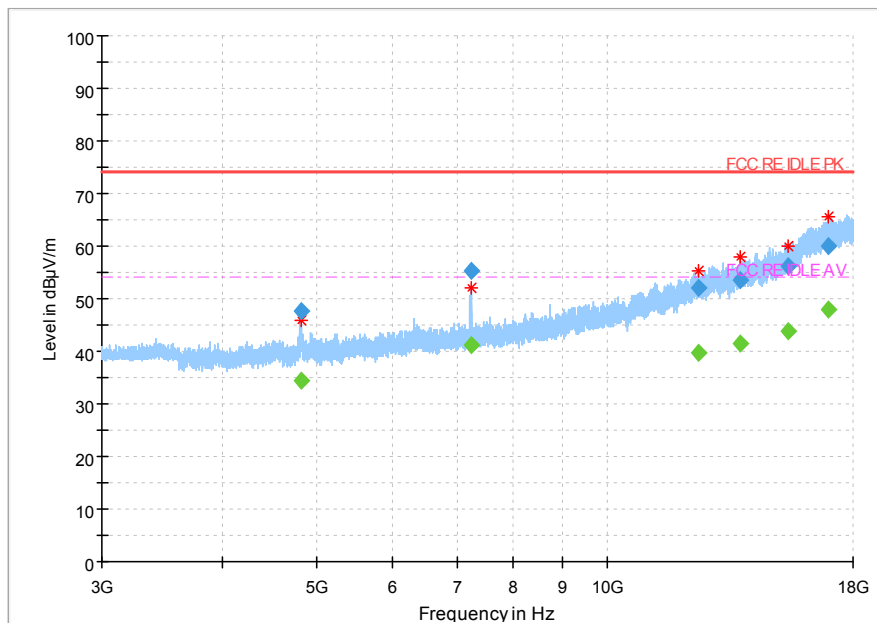
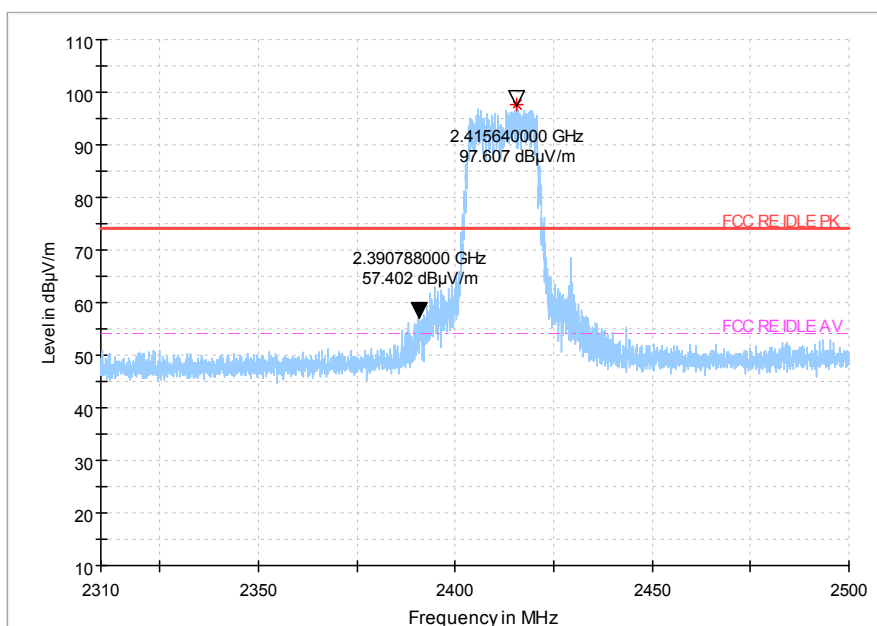
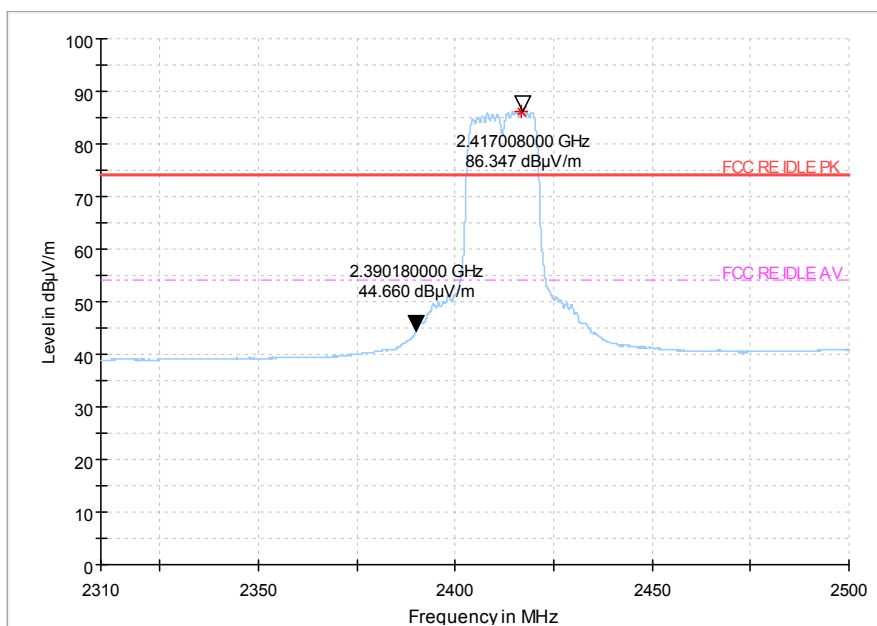


Fig 52. Radiated Spurious Emission (802.11g,Ch1,3GHz~18GHz)

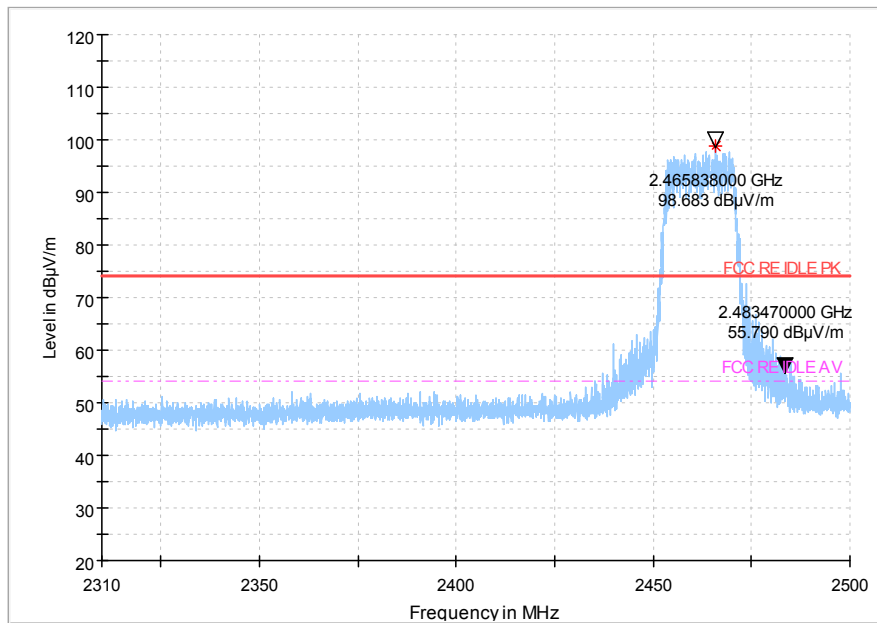


Peak detector

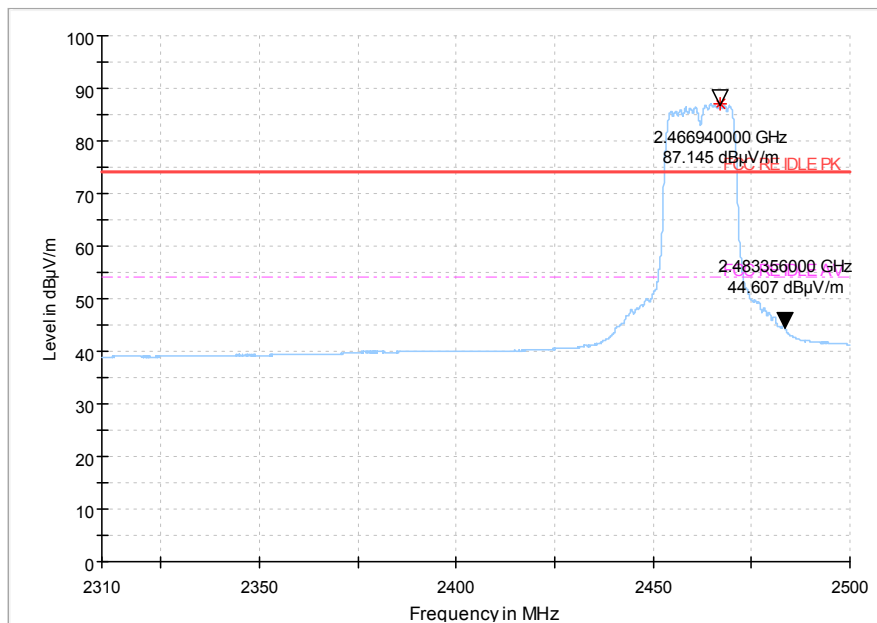


AV detector

Fig 53. Radiated emission (Power): 802.11n, low channel



Peak detector



AV detector

Fig 54. Radiated emission (Power): 802.11n, high channel

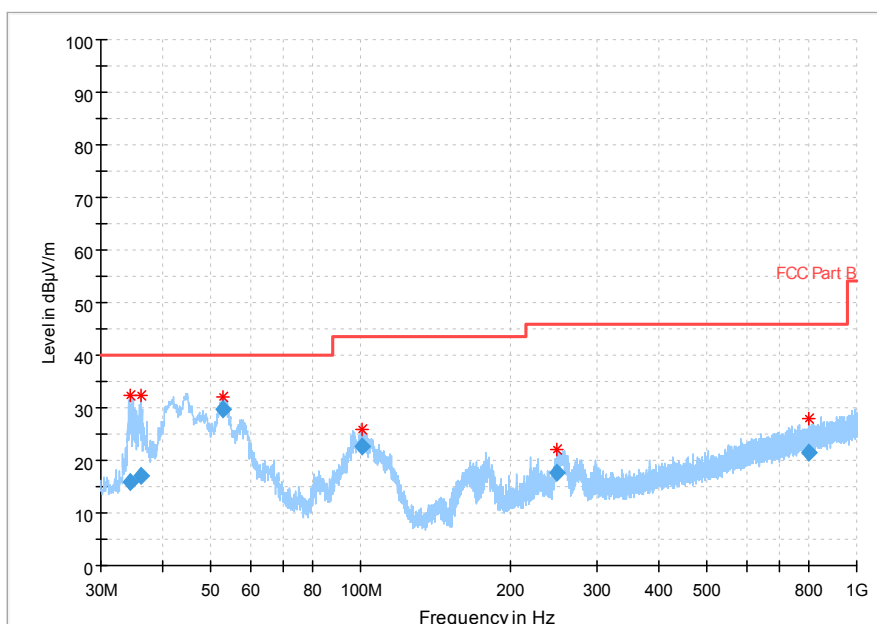


Fig 55. Radiated Spurious Emission (802.11 n-20MHz,Ch1,30MHz~1GHz)

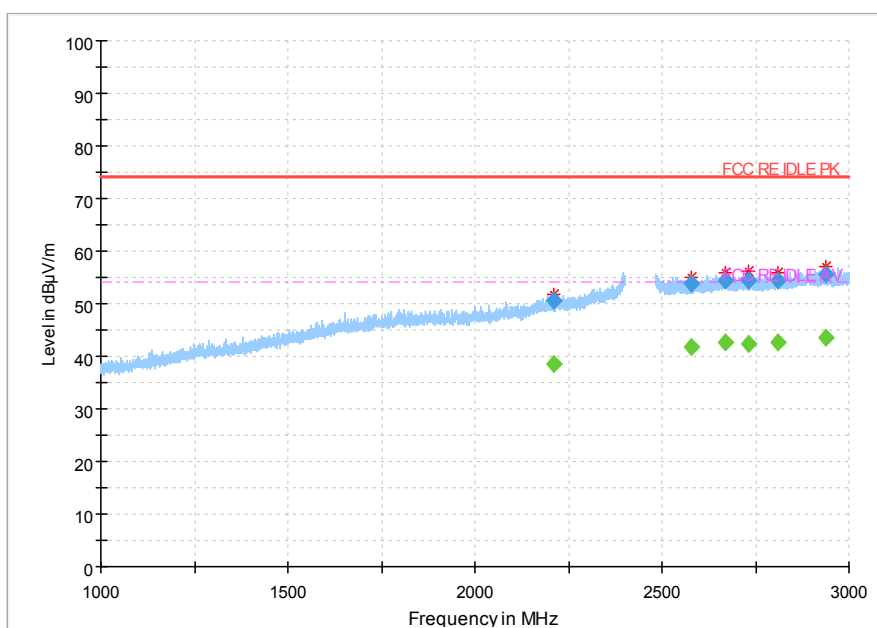


Fig 56. Radiated Spurious Emission (802.11 n-20MHz,Ch1,1GHz~3GHz)

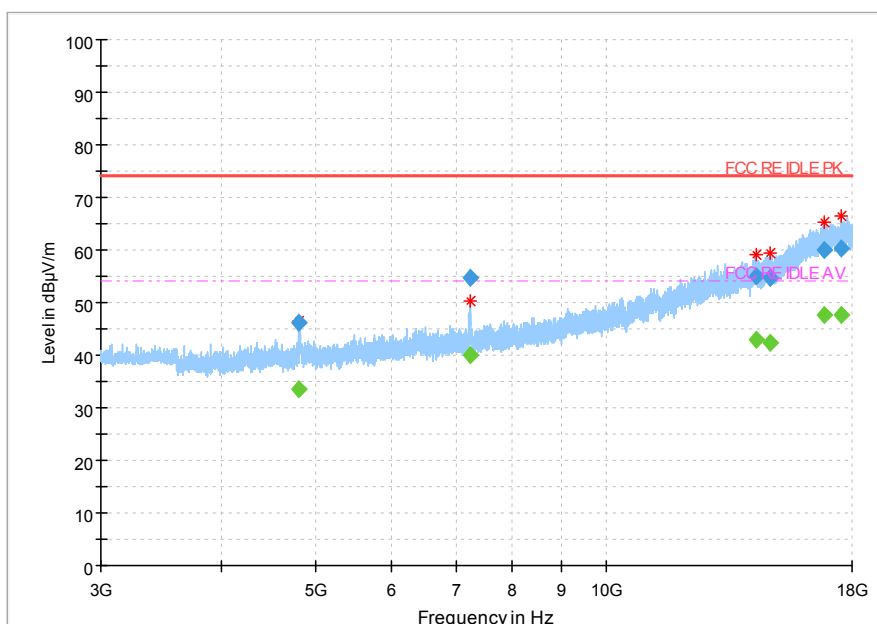
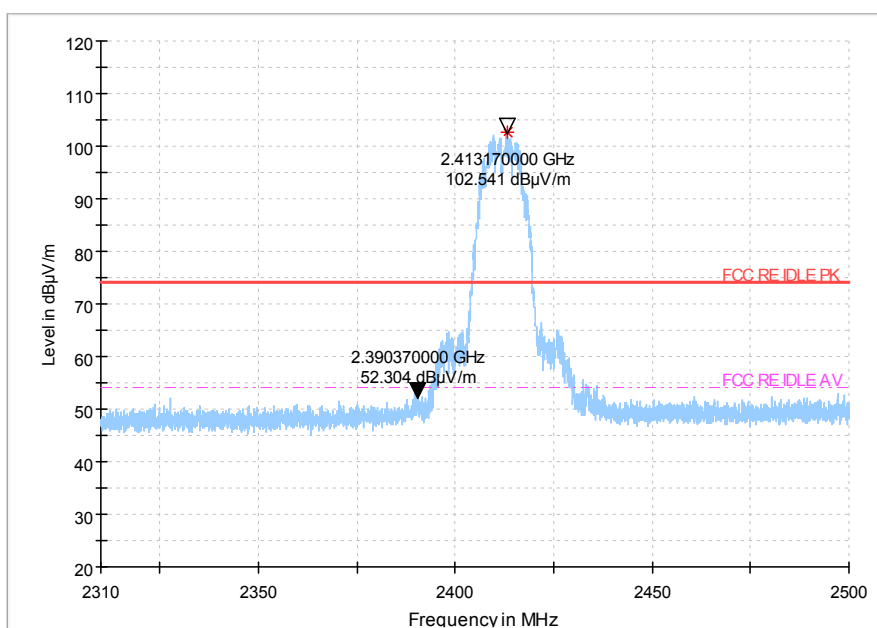
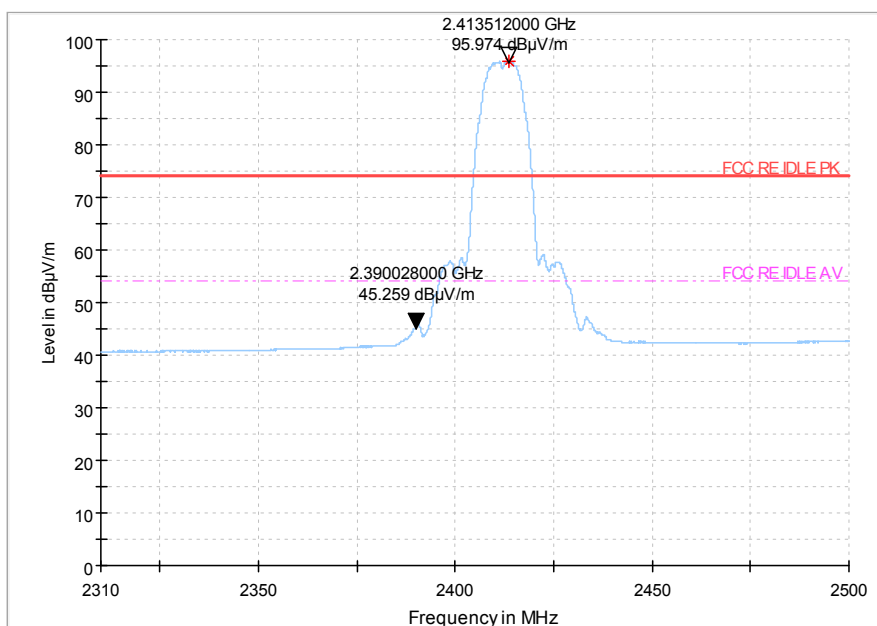


Fig 57. Radiated Spurious Emission (802.11 n-20MHz,Ch1,3GHz~18GHz)

Secondary supply

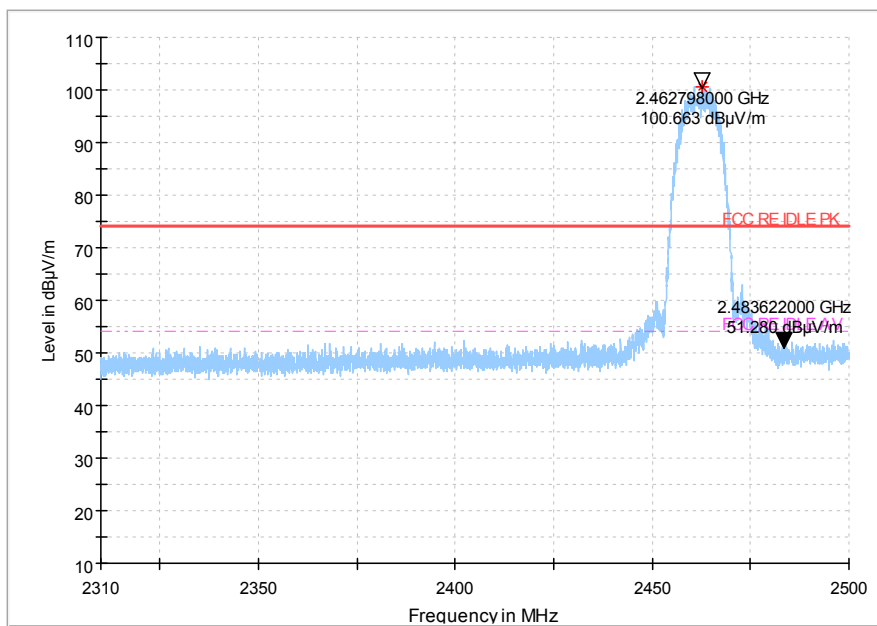


Peak detector

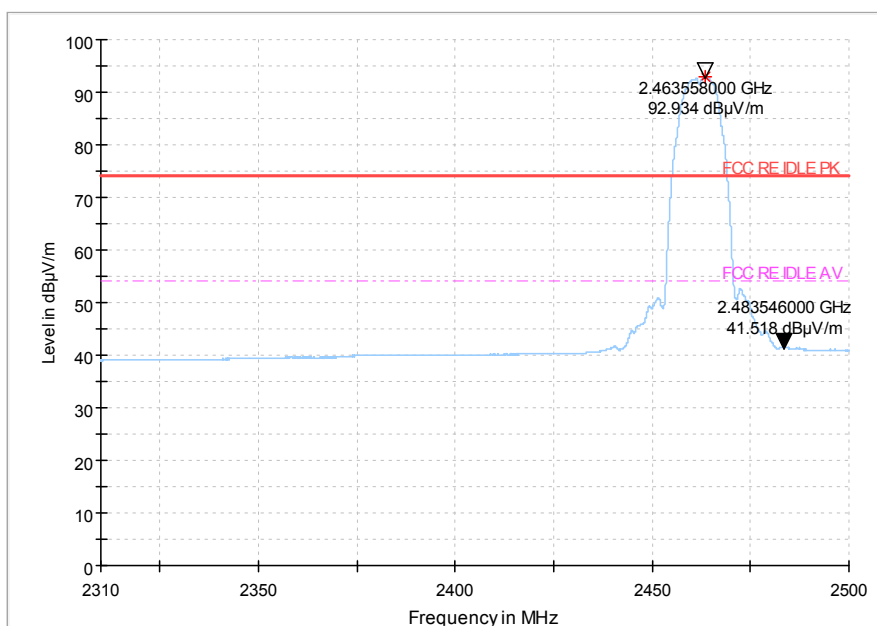


AV detector

Fig 58. Radiated emission (Power): 802.11b, low channel



Peak detector



AV detector

Fig 59. Radiated emission (Power): 802.11b, high channel

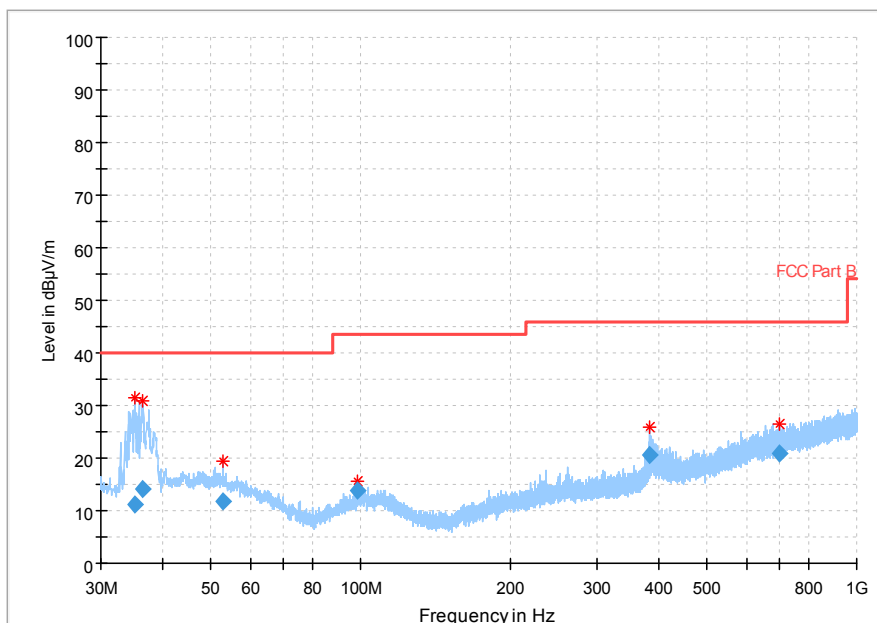


Fig 60. Radiated Spurious Emission (802.11b,Ch1,30MHz~1GHz)

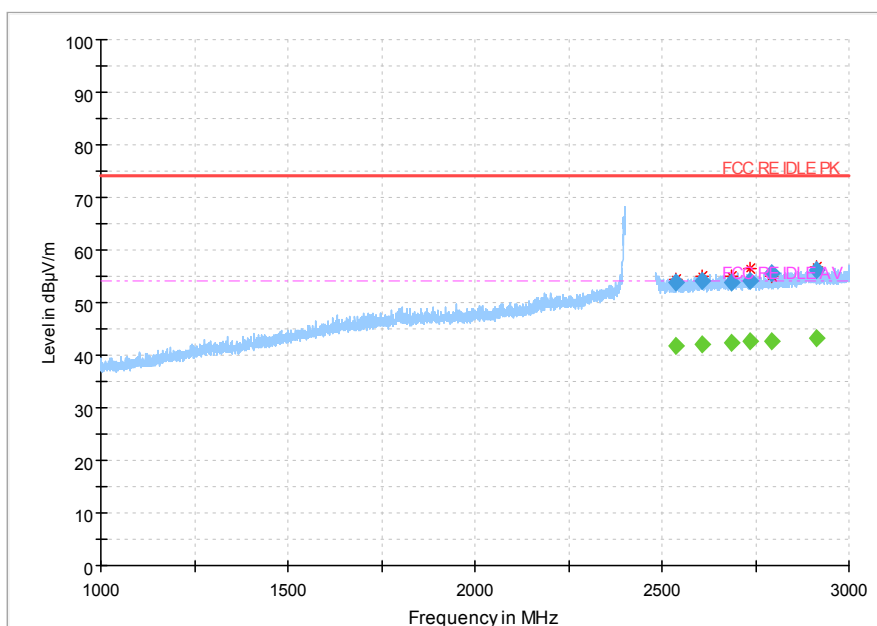


Fig 61. Radiated Spurious Emission (802.11b,Ch1,1GHz~3GHz)

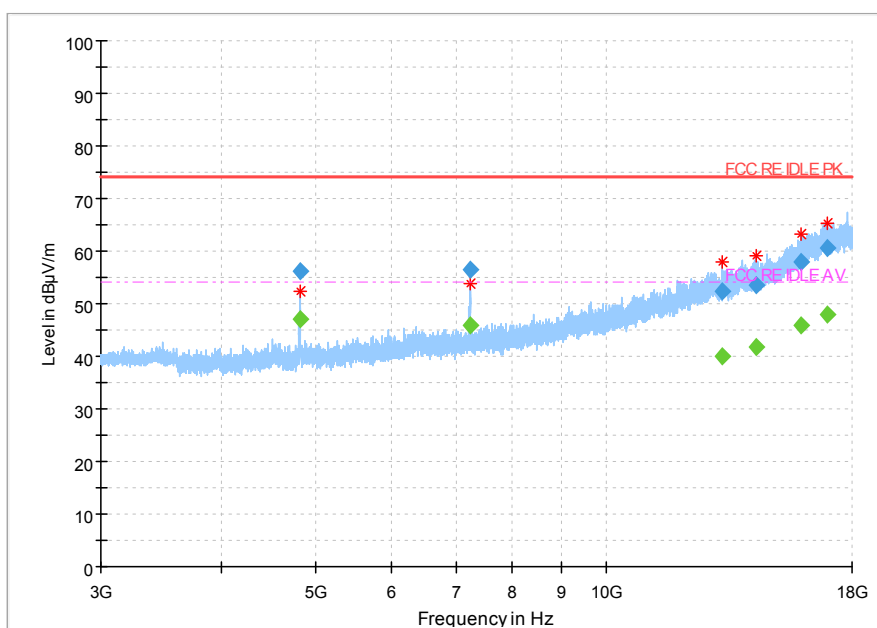
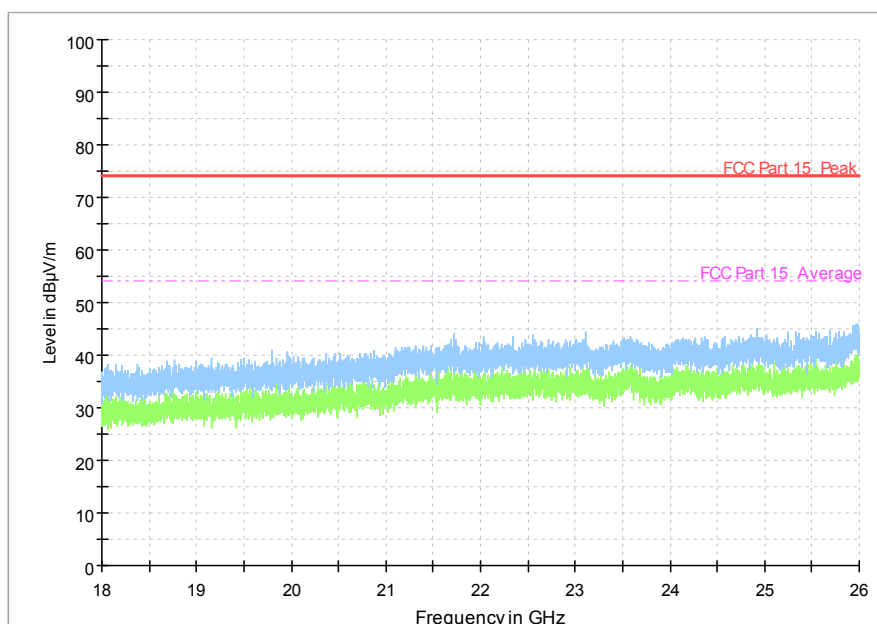


Fig 62. Radiated Spurious Emission (802.11b,Ch1,3GHz~18GHz)



All Channel

6.7. AC Powerline Conducted Emission

Method of Measurement: See ANSI C63.10 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.

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 Uncertainty

Measurement Items	Range	Confidence Level	Calculated Uncertainty
AC Power line Conducted Emission	0.15MHz-30MHz	95%	± 5.66 db

Main supply
Measurement Result and limit:

(Quasi-peak-average Limit)

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			With charger	
			802.11b	
0.15 to 0.5	66 to 56	56 to 46	Fig 77.	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Conclusion: Pass

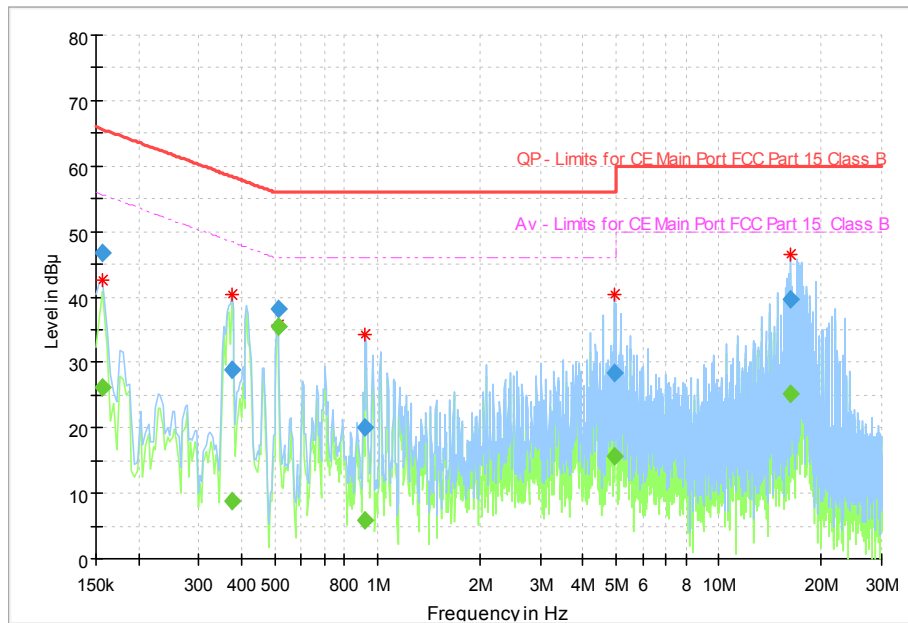


Fig 77. AC Powerline Conducted Emission

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.157463	46.75	---	65.60	18.84	1000.0	9.000	N	ON	9.7
0.157463	---	26.24	55.60	29.36	1000.0	9.000	N	ON	9.7
0.373875	---	8.84	48.41	39.57	1000.0	9.000	N	ON	9.7
0.373875	28.92	---	58.41	29.49	1000.0	9.000	N	ON	9.7
0.511931	---	35.39	46.00	10.61	1000.0	9.000	L1	ON	9.7
0.511931	38.22	---	56.00	17.78	1000.0	9.000	L1	ON	9.7
0.922369	20.00	---	56.00	36.00	1000.0	9.000	L1	ON	9.7
0.922369	---	5.93	46.00	40.07	1000.0	9.000	L1	ON	9.7
4.959581	---	15.60	46.00	30.40	1000.0	9.000	L1	ON	9.8
4.959581	28.41	---	56.00	27.59	1000.0	9.000	L1	ON	9.8
16.265269	---	25.28	50.00	24.72	1000.0	9.000	L1	ON	9.9
16.265269	39.62	---	60.00	20.38	1000.0	9.000	L1	ON	9.9

Secondary supply

Measurement Result and limit:

(Quasi-peak-average Limit)

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			With charger	
			802.11b	
0.15 to 0.5	67 to 56	56 to 46	Fig 78.	P

0.5 to 5	56	46		
5 to 30	60	50		

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

Conclusion: Pass

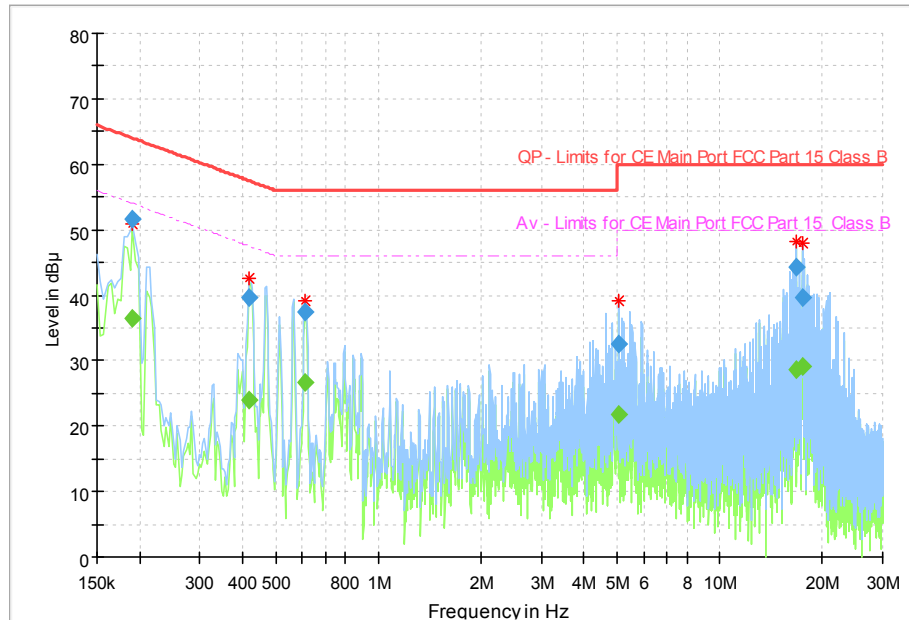


Fig 78. AC Powerline Conducted Emission

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.191044	51.54	---	63.99	12.45	1000.0	9.000	N	ON	9.7
0.191044	---	36.42	53.99	17.57	1000.0	9.000	N	ON	9.7
0.418650	---	24.05	47.48	23.42	1000.0	9.000	N	ON	9.7
0.418650	39.58	---	57.48	17.90	1000.0	9.000	N	ON	9.7
0.612675	---	26.68	46.00	19.32	1000.0	9.000	L1	ON	9.7
0.612675	37.44	---	56.00	18.56	1000.0	9.000	L1	ON	9.7
5.067788	32.63	---	60.00	27.37	1000.0	9.000	L1	ON	9.8
5.067788	---	21.66	50.00	28.34	1000.0	9.000	L1	ON	9.8
16.698094	---	28.53	50.00	21.47	1000.0	9.000	L1	ON	9.9
16.698094	44.31	---	60.00	15.69	1000.0	9.000	L1	ON	9.9
17.537625	---	29.11	50.00	20.89	1000.0	9.000	L1	ON	9.9
17.537625	39.72	---	60.00	20.28	1000.0	9.000	L1	ON	9.9

7. Test Equipment and Ancillaries Used For Tests

The test equipment and ancillaries used are as follows.

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration date	Cal.interval
1	Vector Signal Analyzer	FSQ26	101096	Rohde&Schwarz	2018-05-11	1 Year
2	DC Power Supply	ZUP60-14	LOC-220Z006-0007	TDL-Lambda	2018-05-11	1 Year

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration date	Cal.interval
1	Universal Radio Communication Tester	CMU200	123123	R&S	2018-05-11	1 Year
2	EMI Test Receiver	ESU40	100307	R&S	2018-05-11	1 Year
3	TRILOG Broadband Antenna	VULB9163	VULB9163-515	Schwarzbeck	2017-02-25	3 Year
4	Double-ridged Waveguide Antenna	ETS-3117	00135890	ETS	2017-01-11	3 Year
5	2-Line V-Network	ENV216	101380	R&S	2018-05-11	1 Year

Anechoic chamber

Fully anechoic chamber by Frankonia German.

8. Test Environment

Shielding Room1 (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits along the conducted RF performance testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Ground system resistance	< 0.5

Control room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 25 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 k
Ground system resistance	< 0.5

Fully-anechoic chamber1 (6.9 meters×10.9 meters×5.4 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 25 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 k
Ground system resistance	< 0.5
VSWR	Between 0 and 6 dB, from 1GHz to 18GHz
Site Attenuation Deviation	Between -4 and 4 dB, 30MHz to 1GHz
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

ANNEX A. Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

ANNEX B. Accreditation Certificate

*****End The Report*****