

EMC TEST REPORT – 337515-5TRFWL

Applicant:

BOT Home Automation Inc.

Product name:

Ring

Model:

WL18MODGI

FCC ID: IC Registration number:

2AEUPWL18DBMOD 20271-WL18DBMOD

Specifications:

FCC 47 CFR Part 15 Subpart E, §15.407

Unlicensed National Information Infrastructure Devises

- §15.407(b)(4) Undesirable emission limits (Operating in the band 5.725-5.85 GHz)
- §15.407(a)(3) Power limits (Operating in the band 5.725-5.85 GHz)

RSS-247, Issue 2, Feb 2017, Section 6

Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices, Section 6 Technical requirements for licence-exempt local area network devices and digital transmission systems operating in the 5 GHz band

Section 6.2.4.2 Unwanted emission limits (Operating in the band 5.725-5.85 GHz) Section 6.2.4.1 Power limits (Operating in the band 5.725-5.85 GHz)

Date of issue: September 25, 2017

Test engineer(s): David Duchesne, Senior EMC/Wireless Specialist Signature:

Reviewed by: Andrey Adelberg, Senior Wireless/EMC Specialist Signature:

1 Ded







Lab and test locations

Company name	Nemko Canada Inc.			
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	Fax: +1 613 737 9691		Fax: +1 514 694 3528	Fax: +1 613 256-8848
Test site registration	Organization	Recognition n	umbers and location	
	FCC	CA2040 (Otta	wa); CA2041 (Montreal)	
	ISED	CA2040A-4 (O	ttawa); CA2040G-5 (Montreal); CA2040A-3 (<i>A</i>	Almonte)
Website	www.nemko.com			

Limits of responsibility

Note that the results contained in this report relate only to the items tested and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.

This test report has been completed in accordance with the requirements of ISO/IEC 17025. All results contain in this report are within Nemko Canada's ISO/IEC 17025 accreditation.

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Section 1. Report summary

1.1 Applicant and manufacturer

Company name	BOT Home Automation Inc.
Address	1523 26 th Street, Santa Monica, California United States 90404

1.2 Test specifications

FCC 47 CFR Part 15, Subpart E, Clause 15.407	Unlicensed National Information Infrastructure Devises
RSS-247, Issue 2, Feb 2017	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices

1.3 Test methods

789033 D02 General UNII Test Procedures New Rules v01r04 (May2, 2017)	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
662911 D01 Multiple Transmitter Output v02r01 (October 31, 2013)	Emissions Testing of Transmitters with Multiple Outputs in the Same Band
662911 D02 MIMO with Cross Polarized	Emissions testing of transmitters with multiple outputs in the same band (MIMO) with Cross Polarized
Antenna v01 (October 25, 2011)	Antenna
ANSI C63.10 v2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

1.4 Exclusions

As per Nemko quote Q102124338R1, the EUT was only assessed for FCC 47 CFR Part 15 Subpart E, §15.407 (b)(4), §15.407 (a)(3) and RSS-247, Issue 2, Feb 2017, Section 6.2.4.2, Section 6.2.4.1.

1.5 Statement of compliance

In the configuration tested, the EUT was found compliant.

Testing was completed against all relevant requirements of the test standard or as per detailed in the section 1.4 Exclusions above. Results obtained indicate that the product under test complies in full with the requirements tested. The test results relate only to the items tested.

See "Summary of test results" for full details.

1.6 Test report revision history

Table 1.6-1: Test report revision history

Revision #	Date of issue	Details of changes made to test report
TRF	September 25, 2017	Original report issued



Section 2. Summary of test results

2.1 Testing period

Test start date	September 14, 2017
Test end date	September 14, 2017

2.2 FCC Part 15 Subpart E, test results

Table 2.2-1: Result summary for §15.407

Part	Test description	Verdict
§15.407(a)(3)	Power limits (Operating in the band 5.725-5.85 GHz)	Pass
§15.407(b)(4)	Undesirable emission limits (Operating in the band 5.725-5.85 GHz)	Pass
Notes:	None	-

2.3 RSS-247, Issue 2, test results

Table 2.3-1: Result summary for RSS-247

Section	Test description	Verdict
6.2.4.1	Power limits (Operating in the band 5.725-5.85 GHz)	Pass
6.2.4.2	Undesirable emission limits (Operating in the band 5.725-5.85 GHz)	Pass



Section 3. Equipment under test (EUT) details

3.1 Sample information

Receipt date	August 21, 2017
Nemko sample ID number	Item #3

3.2 EUT information

Product name	Ring
Model	WL18MODGI
Serial number	BHHB11731PG000029

3.3 Technical information

Applicant IC company number	20271
IC UPN number	WL18DBMOD
All used IC test site(s) Reg. number	2040A-4
RSS number and Issue number	RSS-247 Issue 2, Section 6, February 2017
Frequency band	5.725–5.85 GHz
Type of modulation	802.11a, 802.11n HT20, 802.11n HT40
Emission classification (F1D, G1D, D1D)	W7D
Transmitter spurious, Units @ distance	52.0 dBμV/m Peak at 16.158 GHz @ 3m
Power requirements	5 V _{DC} (via external 100-240 VAC, 50/60 Hz power adapter)
Antenna information	Antenna gain: is 4.6 dBi (WI-FI Right side) and 4.6 dBi (WI-FI left side) Inverted F
	The EUT uses a unique antenna coupling/ non-detachable antenna to the intentional radiator.

3.4 Product description and theory of operation

Communications Hub for Home Security Products

3.5 EUT exercise details

The EUT was setup in continuous transmit state.



3.6 EUT setup diagram

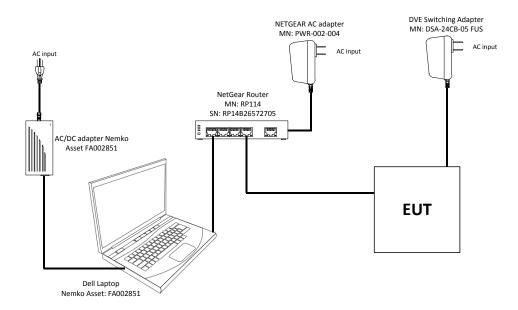


Figure 3.6-1: Setup diagram



Section 4. Engineering considerations

4.1 Modifications incorporated in the EUT for compliance

There were no modifications performed to the EUT during this assessment.

4.2 Technical judgment

None

4.3 Deviations from laboratory tests procedures

No deviations were made from laboratory procedures.



Section 5. Test conditions

5.1 Atmospheric conditions

Temperature	15–30 °C
Relative humidity	20–75 %
Air pressure	86–106 kPa

When it is impracticable to carry out tests under these conditions, a note to this effect stating the ambient temperature and relative humidity during the tests shall be recorded and stated.

5.2 Power supply range

The normal test voltage for equipment to be connected to the mains shall be the nominal mains voltage. For the purpose of the present document, the nominal voltage shall be the declared voltage, or any of the declared voltages ±5 %, for which the equipment was designed.



Section 6. Measurement uncertainty

6.1 Uncertainty of measurement

UKAS Lab 34 and TIA-603-B have been used as guidance for measurement uncertainty reasonable estimations with regards to previous experience and validation of data. Nemko Canada, Inc. follows these test methods in order to satisfy ISO/IEC 17025 requirements for estimation of uncertainty of measurement for wireless products.

Measurement uncertainty budgets for the tests are detailed below. Measurement uncertainty calculations assume a coverage factor of K = 2 with 95% certainty.

Test name	Measurement uncertainty, dB
Radiated spurious emissions	3.78



Section 7. Test equipment

7.1 Test equipment list

Table 7.1-1: Equipment list

Equipment	Manufacturer	Model no.	Asset no.	Cal cycle	Next cal.
Receiver/spectrum analyzer	Rohde & Schwarz	ESU 26	FA002043	1 year	Jan. 31/18
Spectrum analyzer	Rohde & Schwarz	FSU	FA001877	1 year	Jul. 18/18
3 m EMI test chamber	TDK	SAC-3	FA002047	1 year	Dec. 1/17
Horn with Preamp	ETS-Lindgren	3117-PA	FA002840	1 year	Nov. 11/17
Bilog antenna (20–3000 MHz)	Sunol	JB3	FA002108	1 year	June 27/18
Horn antenna (18–40 GHz)	EMCO	3116	FA001847	1 year	June 27/18
Pre-amplifier (18–26 GHz)	Narda	BBS-1826N612	FA001550	_	VOU
50 Ω coax cable	Huber + Suhner	None	FA002830	1 year	May 12/18
50 Ω coax cable	C.C.A.	None	FA002555	1 year	May 2/18
Notch filter 5725-5850 MHz	Microwave Circuits	5725-5850 MHz	FA001921	_	VOU

Notes: VOU - verify on use



Section 8. Testing data

8.1 FCC 15.407(b) and RSS-247 6.2.4.2 Undesirable (unwanted) emissions

8.1.1 Definitions and limits

FCC §15.407 (b):

- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
 - (ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
- (5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.
- (7) The provisions of § 15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency block edges as the design of the equipment permits.

RSS-247 Section 6.2.4.2:

Devices operating in the band 5725-5850 MHz with antenna gain greater than 10 dBi can have unwanted emissions that comply with either the limits in this section or in section 5.5 until six (6) months after the publication date of this standard for certification. Certified devices that do not comply with emission limits in this section shall not be manufactured, imported, distributed, leased, offered for sale or sold after April 1, 2018.

Devices operating in the band 5725-5850 MHz with antenna gain of 10 dBi or less can have unwanted emissions that comply with either the limits in this section or in section 5.5 until April 1, 2018 for certification. Certified devices that do not comply with emission limits in this section shall not be manufactured, imported, distributed, leased, offered for sale or sold after April 1, 2020.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- a. 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b. 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c. 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d. -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

RSS-Gen Section 8.10:

Restricted bands, identified in table 6 of RSS-Gen Section 8.10, are designated primarily for safety-of-life services (distress calling and certain aeronautical bands), certain satellite downlinks, radio astronomy and some government uses. Except where otherwise indicated, the following restrictions apply:

- a. fundamental components of modulation of licence-exempt radio apparatus shall not fall within the restricted bands of below;
- b. unwanted emissions falling into restricted bands of below shall comply with the limits specified in RSS-Gen;
- unwanted emissions not falling within restricted frequency bands shall either comply with the limits specified in the applicable RSS, or with those specified in RSS-Gen.



8.1.2 Definitions and limits, continued

Table 8.1-1: FCC §15.209 and RSS-Gen – Radiated emission limits

Frequency,	Field streng	th of emissions	Measurement distance, m
MHz	μV/m	dBμV/m	
0.009-0.490	2400/F	67.6 – 20 × log ₁₀ (F)	300
0.490-1.705	24000/F	$87.6 - 20 \times \log_{10}(F)$	30
1.705-30.0	30	29.5	30
30–88	100	40.0	3
88–216	150	43.5	3
216–960	200	46.0	3
above 960	500	54.0	3

Notes: In the emission table above, the tighter limit applies at the band edges.

For frequencies above 1 GHz the limit on peak RF emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test

Table 8.1-2: RSS restricted frequency bands

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	399.9–410	5.35-5.46
2.1735-2.1905	12.57675-12.57725	608–614	7.25–7.75
3.020-3.026	13.36-13.41	960–1427	8.025-8.5
4.125-4.128	16.42-16.423	1435-1626.5	9.0-9.2
4.17725-4.17775	16.69475-16.69525	1645.5-1646.5	9.3–9.5
4.20725-4.20775	16.80425-16.80475	1660-1710	10.6-12.7
5.677-5.683	25.5–25.67	1718.8-1722.2	13.25-13.4
6.215-6.218	37.5-38.25	2200-2300	14.47-14.5
6.26775-6.26825	73–74.6	2310–2390	15.35-16.2
6.31175-6.31225	74.8–75.2	2655–2900	17.7-21.4
8.291-8.294	108-138	3260–3267	22.01-23.12
8.362-8.366	156.52475-156.52525	3332–3339	23.6-24.0
8.37625-8.38675	156.7–156.9	3345.8–3358	31.2–31.8
8.41425-8.41475	240–285	3500-4400	36.43-36.5
12.29–12.293	322–335.4	4500-5150	Above 38.6

Notes: None

Table 8.1-3: FCC restricted frequency bands

MHz	MHz	MHz	GHz
0.090-0.110	16.42–16.423	399.9–410	4.5–5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25–7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5–38.25	1435–1626.5	9.0-9.2
4.20725-4.20775	73–74.6	1645.5-1646.5	9.3–9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200–2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5–2500	17.7–21.4
8.37625-8.38675	156.7-156.9	2690–2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260–3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240–285	3345.8-3358	36.43–36.5
12.57675-12.57725	322–335.4	3600-4400	Above 38.6
13.36-13.41			

Notes: None

Section 8 Test name Testing data

FCC 15.407(b) and RSS-247 6.2.4.2 Undesirable (unwanted) emissions

Specification FCC Part 15 Subpart E and RSS-247, Issue 2



8.1.3 Test summary

Verdict	Pass		
Test date	September 14, 2017	Temperature	23.5 °C
Test engineer	David Duchesne	Air pressure	995 mbar
Test location	Ottawa	Relative humidity	53.7 %

8.1.4 Observations, settings and special notes

- The spectrum was searched from 30 MHz to 40 GHz.
- The spectral plots have been corrected with the associated transducer factors (i.e. antenna factors, cable loss, amplifier gains, and attenuators).
- Radiated measurements were performed at a distance of 3 m from 30 MHz to 18 GHz. Radiated measurements above 18 GHz were performed at a distance of 1 m.
- The EUT was tested configured with 802.11a, Data rate 6 Mbps as it was deemed worst case.

Spectrum analyser settings for radiated measurements within restricted bands below 1 GHz:

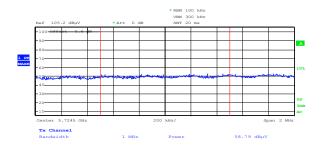
Resolution bandwidth:	100 kHz
Video bandwidth:	300 kHz
Detector mode:	Peak
Trace mode:	Max Hold

Spectrum analyser settings for radiated measurements above 1 GHz:

Resolution bandwidth:	1 MHz
Video bandwidth:	3 MHz
Detector mode:	Peak
Trace mode:	Max Hold



8.1.4 Test data



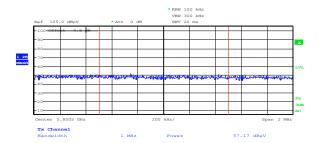


Figure 8.1-1: Radiated – Undesirable (unwanted) emissions at lower band edge peak, (Channel 149 – 5745 MHz)

Figure 8.1-2: Radiated – Undesirable (unwanted) emissions at upper band edge peak, (Channel 165 – 5825 MHz)

Table 8.1-4: Radiated – Undesirable (unwanted) emissions that fall within restricted band

Channel	Frequency, GHz	Measured peak field strength, dBμV/m	Average Field strength limit¹, dBμV/m	Margin, dB
149	16.158	52.0	54.0	2.0
157	16.078	51.7	54.0	2.3
165	16.215	51.6	54.0	2.4

Notes:

Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Table 8.1-5: Radiated – Undesirable (unwanted) emissions that fall outside the band not within restricted bands

Channel	Frequency, GHz	Peak field strength, dBμV/m	Peak field strength Limit¹, dBμV/m	Margin, dB
149	5.725	58.8	68.2	9.4
165	5.850	57.2	68.2	11

Notes:

Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

 $^{^{}m 1}$ The peak limit satisfied the average limit, hence average measurement was not required.

 $^{^1}$ The most stringent limit of the band mask -27 dBm/MHz at 75 MHz was used from the band edge to 75 MHz above and below the band edge. e.i.r.p. of -27 dBm/MHz. = 68.2 dB μ V/m = -27 dBm/MHz. +95.23 dB



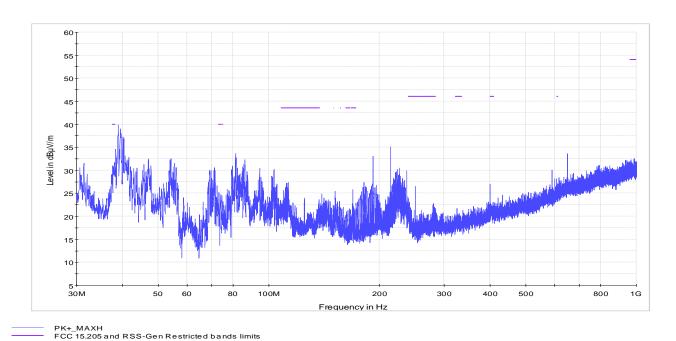


Figure 8.1-3: Radiated – Undesirable (unwanted) emissions below 1 GHz, Channel 149 – 5745 MHz

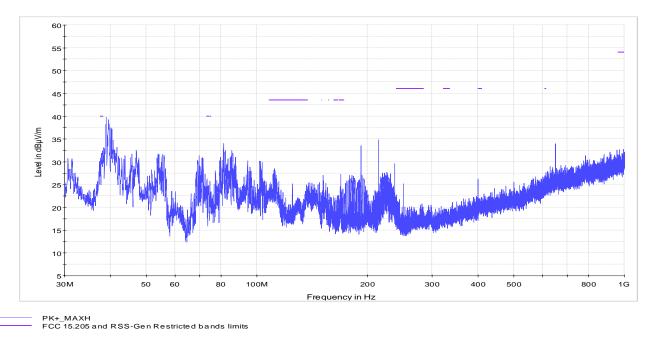


Figure 8.1-4: Radiated – Undesirable (unwanted) emissions below 1 GHz, Channel 157 – 5785 MHz



Test data, continued 8.1.4

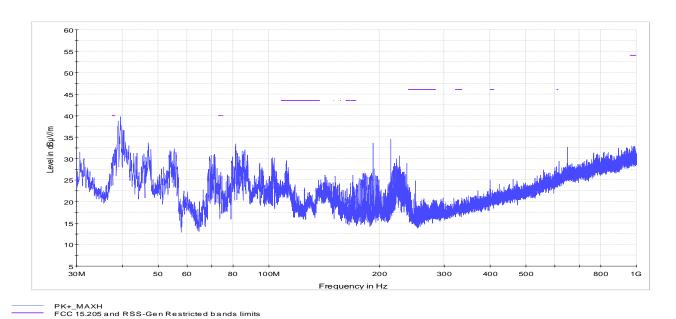


Figure 8.1-5: Radiated – Undesirable (unwanted) emissions below 1 GHz, Channel 165 – 5825 MHz

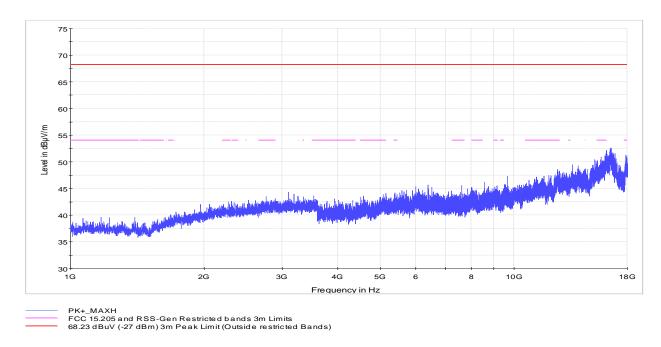


Figure 8.1-6: Radiated – Undesirable (unwanted) emissions 1 to 18 GHz, Channel 149 – 5745 MHz



Test data, continued 8.1.4

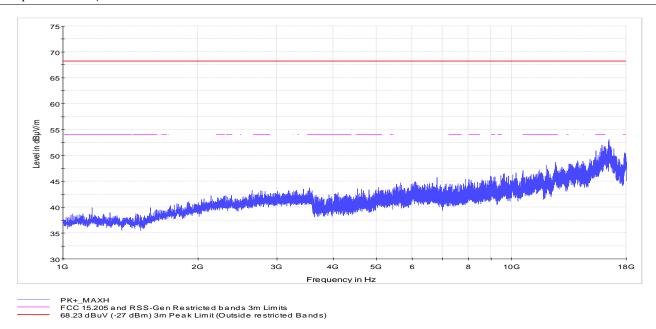


Figure 8.1-7: Radiated – Undesirable (unwanted) emissions 1 to 18 GHz, Channel 157 – 5785 MHz

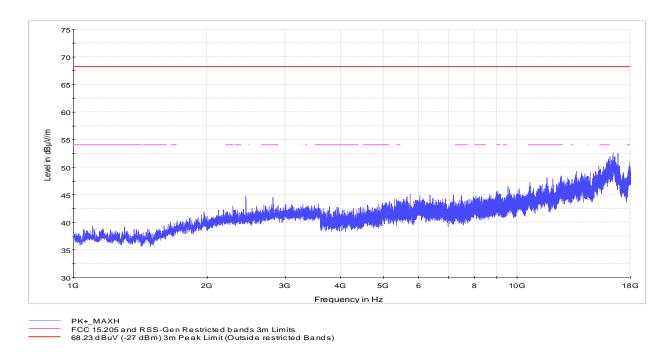


Figure 8.1-8: Radiated – Undesirable (unwanted) emissions 1 to 18 GHz, Channel 165 – 5825 MHz



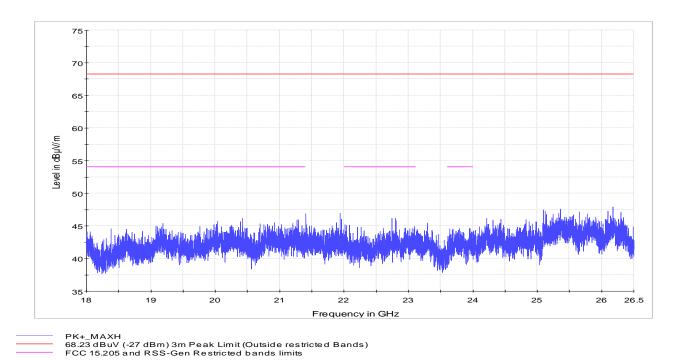


Figure 8.1-9: Radiated – Undesirable (unwanted) emissions 18 to 26 GHz, Channel 149 – 5745 MHz

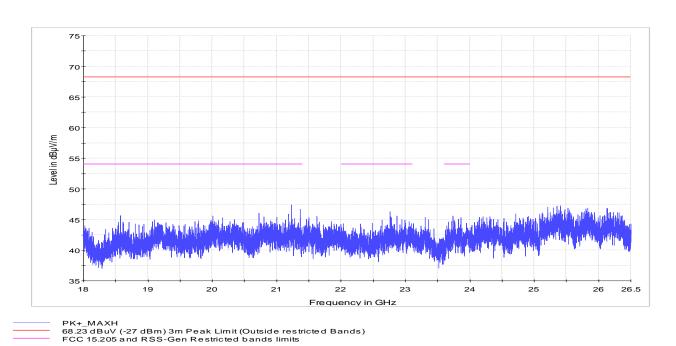


Figure 8.1-10: Radiated – Undesirable (unwanted) emissions 18 to 26 GHz, Channel 157 – 5785 MHz



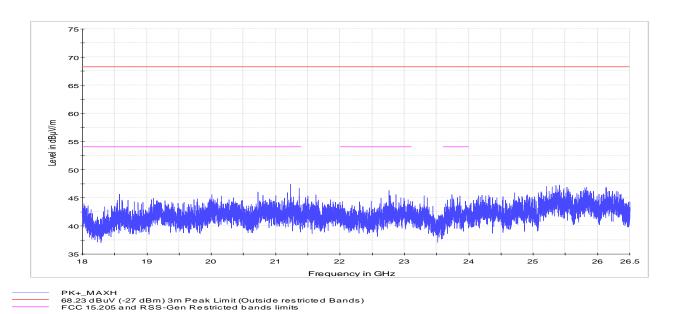


Figure 8.1-11: Radiated – Undesirable (unwanted) emissions 18 to 26 GHz, Channel 165 – 5825 MHz

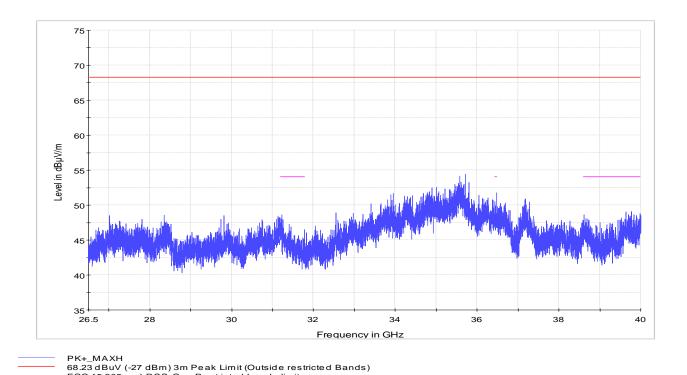


Figure 8.1-12: Radiated – Undesirable (unwanted) emissions 26 to 40 GHz, Channel 149 – 5745 MHz

FCC 15.205 and RSS-Gen Restricted bands limits





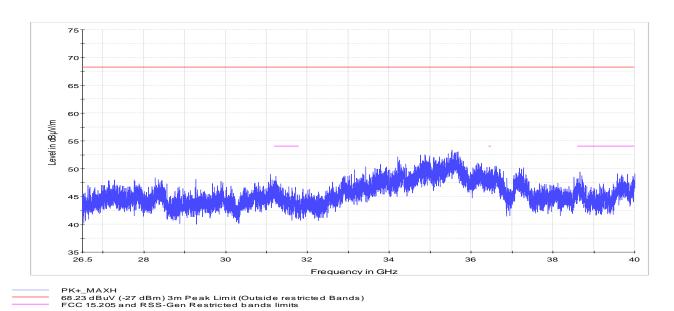


Figure 8.1-13: Radiated – Undesirable (unwanted) emissions 26 to 40 GHz, Channel 157 – 5785 MHz

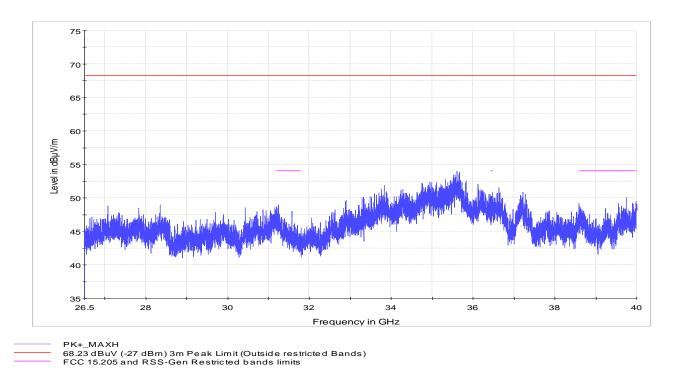


Figure 8.1-14: Radiated – Undesirable (unwanted) emissions 26 to 40 GHz, Channel 165 – 5825 MHz



8.1.5 Setup photos



Figure 8.1-15: Radiated – Undesirable (unwanted) emissions setup photo – below 1 GHz



Figure 8.1-16: Radiated – Undesirable (unwanted) emissions setup photo – below 1 GHz



8.1.5 Setup photos, continued

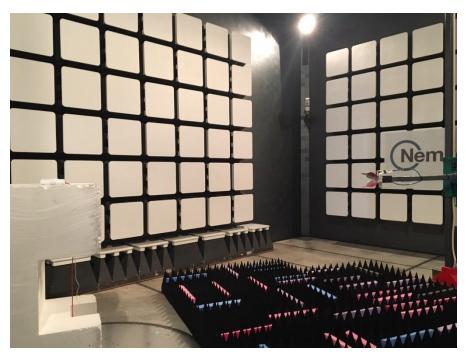


Figure 8.1-17: Radiated – Undesirable (unwanted) emissions setup photo – above 1 GHz

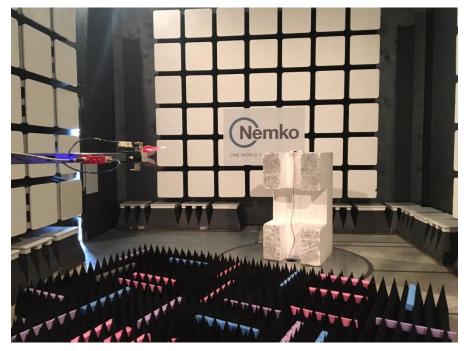


Figure 8.1-18: Radiated – Undesirable (unwanted) emissions setup photo – above 1 GHz



8.2 FCC 15.407(a)(3) and RSS-247 6.2.4.1 Power limits

8.2.1 Definitions and limits

FCC §15.407:

(a) Power limits:

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

RSS-247 Section 6.2.4.1:

For equipment operating in the band 5725-5850 MHz, the minimum 6 dB bandwidth shall be at least 500 kHz.

The maximum conducted output power shall not exceed 1 W. The output power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

8.2.2 Test summary

Verdict Pass

8.2.3 Observations, settings and special notes

Measurement data was taken from Sporton Report No.: FR4O0971E, Form FCC ID: Z64-WL18DBMOD. Client has changed the antenna; new calculations have been performed to demonstrate continued compliance.

8.2.4 Test data

Table 8.2-1: Power and EIRP results

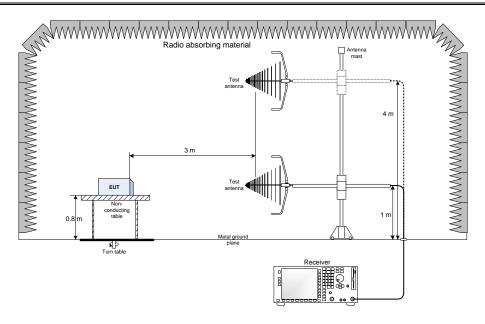
Mod	Data	Chn.	Freq.,	Average	conducted	Conducte	ed power	Marg	gin, dB	Anteni	na gain,	e.i.r.p.	., dBm	e.i.r.p. liı	nit, dBm	e.i.r.p. mar	gin, dBm		
	rate		MHz	Powe	r, dBm	limit,	dBm				dBi		dBi						
				Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6 Mbps	149	5745	12.27	12.82	30.00	30.00	17.73	17.18	4.60	4.60	16.87	17.42	36.00	36.00	19.13	18.58		
11a	6 Mbps	157	5785	17.87	17.88	30.00	30.00	12.13	12.12	4.60	4.60	22.47	22.48	36.00	36.00	13.53	13.52		
11a	6 Mbps	165	5825	13.91	14.03	30.00	30.00	16.09	15.97	4.60	4.60	18.51	18.63	36.00	36.00	17.49	17.37		
HT20	MCS0	149	5745	12.62	12.72	30.00	30.00	17.38	17.28	4.60	4.60	17.22	17.32	36.00	36.00	18.78	18.68		
HT20	MCS0	157	5785	17.55	17.56	30.00	30.00	12.45	12.44	4.60	4.60	22.15	22.16	36.00	36.00	13.85	13.84		
HT20	MCS0	165	5825	13.63	13.87	30.00	30.00	16.37	16.13	4.60	4.60	18.23	18.47	36.00	36.00	17.77	17.53		
HT40	MCS0	151	5755	10.35	10.39	30.00	30.00	19.65	19.61	4.60	4.60	14.95	14.99	36.00	36.00	21.05	21.01		
HT40	MCS0	159	5795	13.63	13.8	30.00	30.00	16.37	16.20	4.60	4.60	18.23	18.40	36.00	36.00	17.77	17.60		

Notes: None



Section 9. Block diagrams of test set-ups

9.1 Radiated emissions set-up for frequencies below 1 GHz



9.2 Radiated emissions set-up for frequencies above 1 GHz

