FCC Test Report

Equipment	:	**Nest Cam Outdoor**
Brand Name	:	**Nest Labs**
Model No.	:	**A0033**
FCC ID	:	**ZQANC21**
Standard	:	**47 CFR FCC Part 15.247**
Frequency	:	**2400 MHz – 2483.5 MHz**
FCC Classification	:	**DTS**
Function	:	☒ **Point-to-multipoint;** ☐ **Point-to-point**
Applicant	:	**Nest Labs Inc.** 3400 Hillview Ave, Pola Alto, CA 94304 USA
Manufacturer	:	**Chicony Electronics (Dong Guan) Co., Ltd.** San Zhong Guan Li Qu, Qingxi Town, Dongguan City Guangdong 523651 China

The product sample received on May 16, 2016 and completely tested on Jul. 04, 2016. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

Kevin Liang / Assistant Manager

Testing Laboratory
1190

Table of Contents

Summary of Test Result

Conformance Test Specifications					
Report Clause	**Ref. Std. Clause**	**Description**	**Measured**	**Limit**	**Result**
1.1.2	15.203	Antenna Requirement	Antenna connector mechanism complied	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	[dBuV]: 0.1863950MHz 49.62 (Margin 14.58dB) - QP 36.22 (Margin 17.98dB) - AV	FCC 15.207	Complied
3.2	15.247(a)	DTS Bandwidth	Refer as Appendix A	≥500kHz	Complied
3.3	15.247(b)	Fundamental Emission Output Power	Refer as Appendix B	Power [dBm]:30	Complied
3.4	15.247(e)	Power Spectral Density	Refer as Appendix C	PSD [dBm/3kHz]:8	Complied
3.5	15.247(d)	Test Result of Transmitter Radiated Bandedge Emissions	Non-Restricted Bands: 2398.928 MHz: 30.56 dB Restricted Bands [dBuV/m at 3m]: 2389.968 MHz 63.93 (Margin 10.07 dB) - PK 48.52 (Margin 5.48 dB) - AV	Non-Restricted Bands:> 20 dBc Bands: FCC 15.209	Complied
3.6	15.247(d)	Transmitter Radiated Unwanted Emissions	Restricted Bands [dBuV/m at 3m]: 30 MHz 36.94 (Margin 3.06dB) - PK	Non-Restricted Bands:> 20 dBc Restricted Bands: FCC 15.209	Complied

Revision History

Report No.	Version	Description	Issued Date
FR650917AC	Rev. 02	Initial issue of report	Jul. 07, 2016

1 General Description

1.1 Information

1.1.1 RF General Information

Band	Mode	BWch (MHz)	Nss-Min	Nant
2.4G	11b	20	1	1
2.4G	11g	20	1	1
2.4G	HT20	20	1,(M0-7)	1

Note:
- 2.4G is the 2.4GHz Band (2.4-2.4835GHz).
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g and HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Antenna Category		
☒	Integral antenna (antenna permanently attached)	
	☒ Temporary RF connector provided	
	☐ No temporary RF connector provided Transmit chains bypass antenna and soldered temporary RF connector provided for connected measurement. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator and correct for all losses in the RF path.	
☐	External antenna (dedicated antennas)	
	☐ Single power level with corresponding antenna(s).	
	☐ Multiple power level and corresponding antenna(s).	
	☐ RF connector provided	
		☐ Unique antenna connector. (e.g., MMCX, U.FL, IPX, and RP-SMA, RP-N type…)
		☐ Standard antenna connector. (e.g., SMA, N, BNC, and TNC type…)

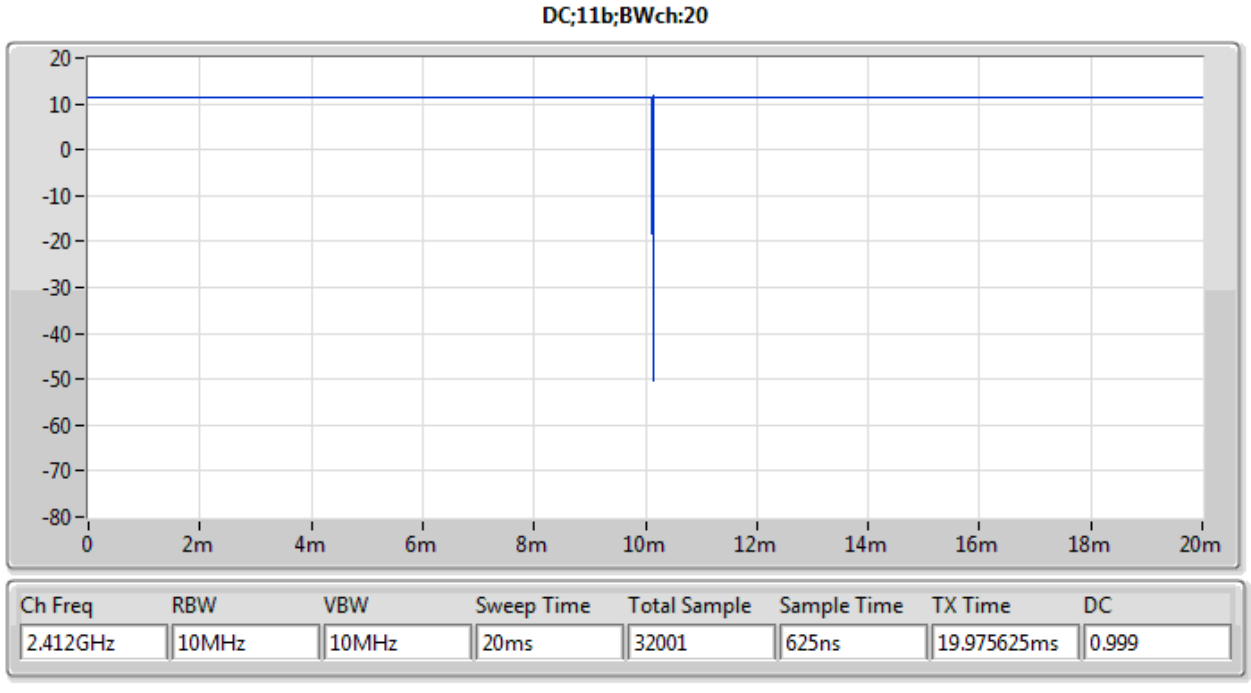
Antenna General Information			
No.	Ant. Cat.	Ant. Type	Gain (dBi)
1	Integral	PIFA	0.84

1.1.3 Type of EUT

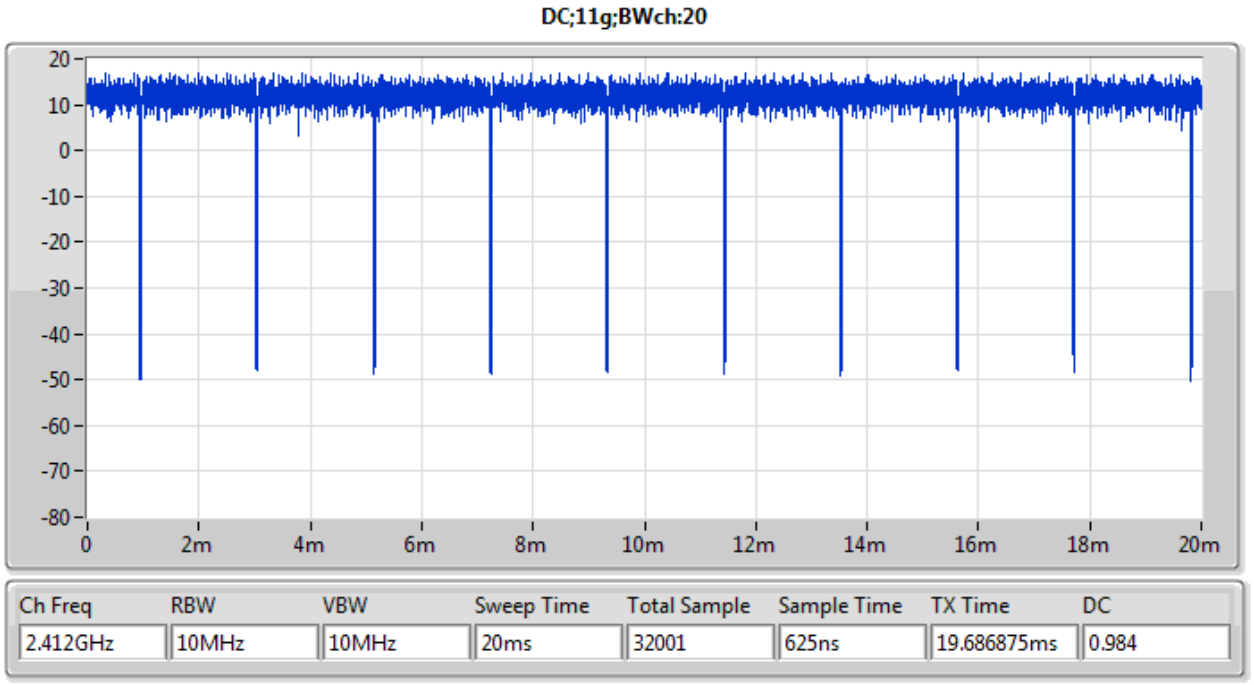
Identify EUT	
EUT Serial Number	N/A
Presentation of Equipment	☒ Production ; ☐ Pre-Production ; ☐ Prototype
Type of EUT	
☒	Stand-alone
☐	Combined (EUT where the radio part is fully integrated within another device) Combined Equipment - Brand Name / Model No.: …
☐	Plug-in radio (EUT intended for a variety of host systems) Host System - Brand Name / Model No.: …
☐	Other:

1.1.4 Mode Test Duty Cycle

Operated Mode for Worst Duty Cycle	
☒ Operated test mode for worst duty cycle	
Test Signal Duty Cycle (x)	**Power Duty Factor [dB] – (10 log 1/x)**
☒ 99.90% - IEEE 802.11b	0.00

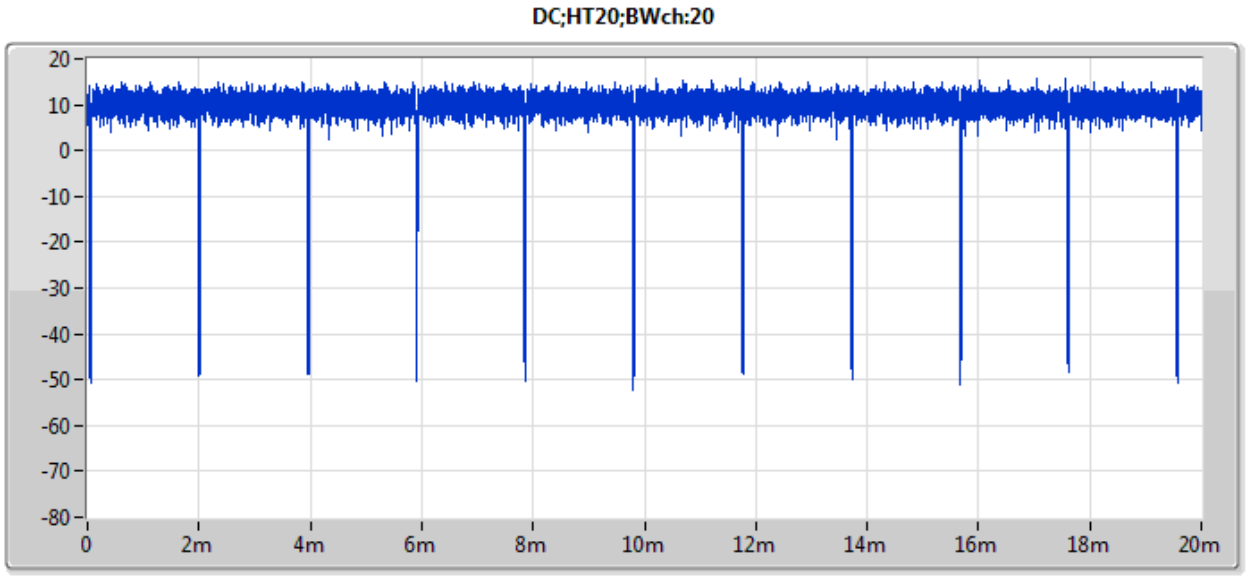


☒ 98.40%- IEEE 802.11g	0.07



Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
2.412GHz	10MHz	10MHz	20ms	32001	625ns	19.686875ms	0.984

☒ 98.30%- IEEE 802.11n (HT20)	0.07



Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC
2.412GHz	10MHz	10MHz	20ms	32001	625ns	19.655ms	0.983

1.1.5 EUT Operational Condition

Supply Voltage	☒ AC mains	☒ DC	
Type of DC Source	☒ External AC adapter	☒ From Host System	☐ Battery

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 558074 D01 v03r05

1.3 Testing Location Information

Testing Location					
☒	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-327-6973			
Test Condition		**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
AC Conduction		CO04-HY	Ryan	24°C / 58%	Jun. 07, 2016
RF Conducted		TH01-HY	Howard	23°C / 63%	Jul. 04, 2016
Radiated		03CH09-HY	Joe	22.2°C / 51.8%	Jun. 02, 2016

Test site registered number [553509] with FCC.

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Measurement Uncertainty		
Test Item		**Uncertainty**
AC power-line conducted emissions		±2.3 dB
Emission bandwidth, 6dB bandwidth		±0.6 %
RF output power, conducted		±0.1 dB
Power density, conducted		±0.6 dB
Unwanted emissions, conducted	9 – 150 kHz	±0.4 dB
	0.15 – 30 MHz	±0.4 dB
	30 – 1000 MHz	±0.6 dB
	1 – 18 GHz	±0.5 dB
	18 – 40 GHz	±0.5 dB
	40 – 200 GHz	N/A
All emissions, radiated	9 – 150 kHz	±2.5 dB
	0.15 – 30 MHz	±2.3 dB
	30 – 1000 MHz	±2.6 dB
	1 – 18 GHz	±3.6 dB
	18 – 40 GHz	±3.8 dB
	40 – 200 GHz	N/A
Temperature		±0.8 °C
Humidity		±5 %
DC and low frequency voltages		±0.9%
Time		±1.4 %
Duty Cycle		±0.6 %

2 Test Configuration of EUT

2.1 The Worst Case Modulation Configuration

Worst Modulation Used for Conformance Testing			
Modulation Mode	**Transmit Chains (N_{TX})**	**Data Rate / MCS**	**Worst Data Rate / MCS**
11b	1	1-11 Mbps	1 Mbps
11g	1	6-54 Mbps	6 Mbps
HT20	1	MCS 0-7	MCS 0
Note 1: IEEE Std. 802.11n modulation consists of HT20 (HT: High Throughput). The EUT support HT20. Worst modulation mode of Guard Interval (GI) is 800ns. Note 2: Modulation modes consist below configuration: 11b: IEEE 802.11b, 11g: IEEE 802.11g, HT20: IEEE 802.11n Note 3: RF output power specifies that Maximum Peak Conducted Output Power.			

2.2 Test Channel Mode

Test Software	DOS

Band	**Mode**	**BWch (MHz)**	**Nss-Min**	**Nant**	**Ch. (MHz)**	**Range**	**Power Setting**
2.4G	11b	20	1	1	2412	L	20
2.4G	11b	20	1	1	2437	M	20
2.4G	11b	20	1	1	2462	H	20
2.4G	11g	20	1	1	2412	L	20
2.4G	11g	20	1	1	2437	M	20
2.4G	11g	20	1	1	2462	H	20
2.4G	HT20	20	1,(M0-7)	1	2412	L	20
2.4G	HT20	20	1,(M0-7)	1	2437	M	20
2.4G	HT20	20	1,(M0-7)	1	2462	H	20

Abbreviation Explanation

Band	**Mode**	**BWch (MHz)**	**Nss-Min**	**Nant**	**Ch. (MHz)**	**Range**	**Test Cond.**	**Abbreviation**
2.4G	HT20	20	1,(M0-15)	2	2412	L	TN,VN	2.4G;HT20;20;1,(M0-15);2;2412;L;TN,VN

Note:
- Test range channel consist of L (Low Ch.), M (Middle Ch.), H (High Ch.), S (Single Ch).

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Operating Mode Description
1	Adapter Mode
2	USB Mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth, Fundamental Emission Output Power, Power Spectral Density, Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
User Position	☐ EUT will be placed in fixed position.		
	☒ EUT will be placed in mobile position and operating multiple positions. EUT shall be performed three orthogonal planes.		
	☐ EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions. EUT shall be performed two or three orthogonal planes.		
Operating Mode < 1GHz	☒ 1. Adapter Mode		
	☒ 2. USB Mode		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT	V		

2.4 Accessories and Support Equipment

Accessories Information				
AC Adapter	Brand Name	I.T.E	Model Name	A0038
	Power Rating	I/P: 100- 240 Vac, 0.35 A, O/P: 5 Vdc, 1.4 A		
	Power Cord	4.4 meter, non-shielded cable, with w/o ferrite core		

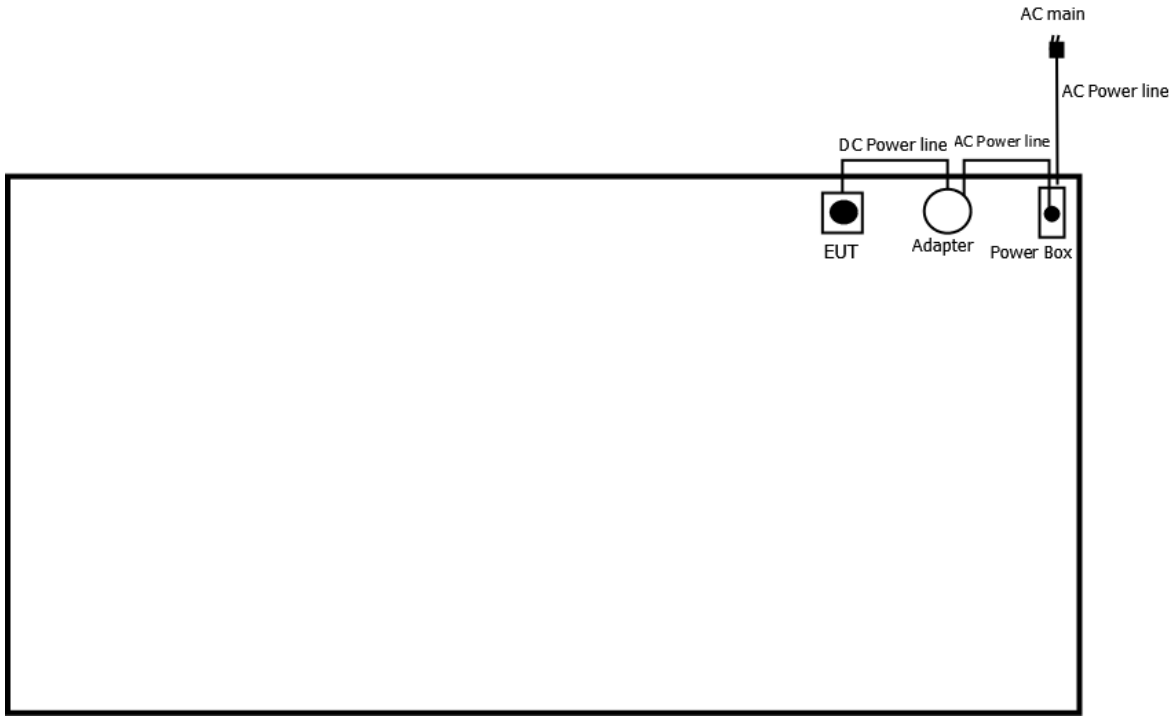
Reminder: Regarding to more detail and other information, please refer to user manual.

Support Equipment - RF Conducted			
No.	**Equipment**	**Brand Name**	**Model Name**
1	Notebook	DELL	E6400
2	AC Adapter for Notebook	DELL	HA65NM130

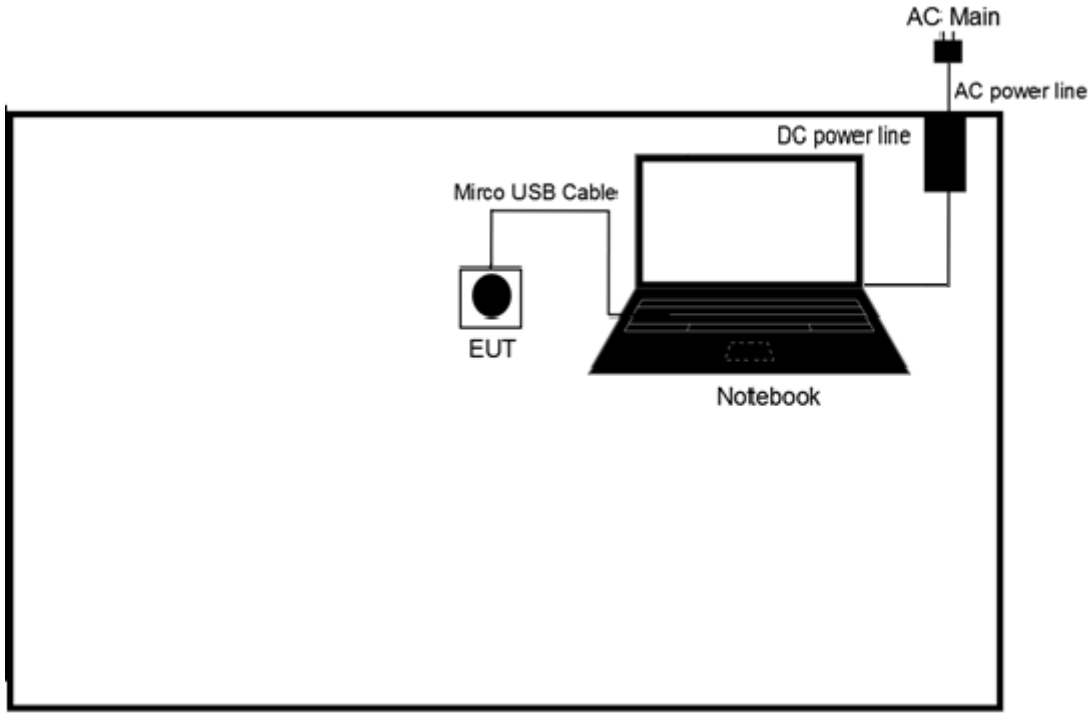
Support Equipment - AC Conduction and Radiated Emission			
No.	**Equipment**	**Brand Name**	**Model Name**
1	Notebook	DELL	E5540
2	AC Adapter for Notebook	DELL	LA65NS2-01

2.6 Test Setup Diagram

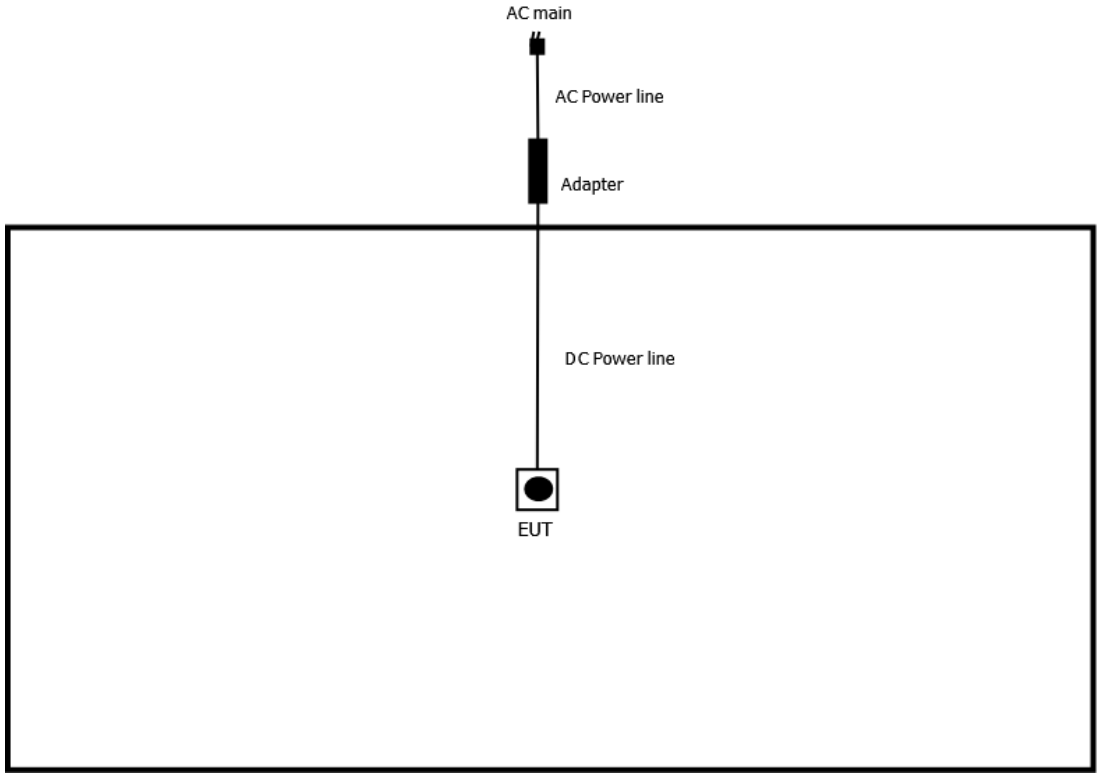
Test Setup Diagram – AC Line Conducted Emission Test (Mode 1)



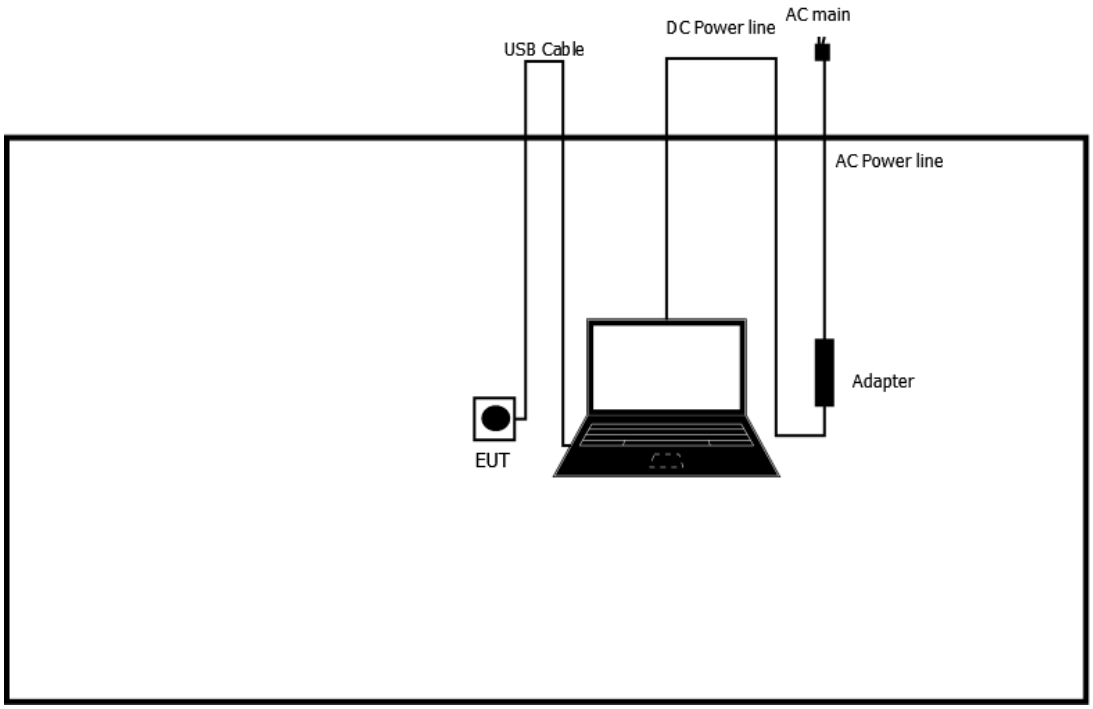
Test Setup Diagram – AC Line Conducted Emission Test (Mode 2)



Test Setup Diagram - Radiated Test (Mode 1)



Test Setup Diagram - Radiated Test (Mode 2)



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

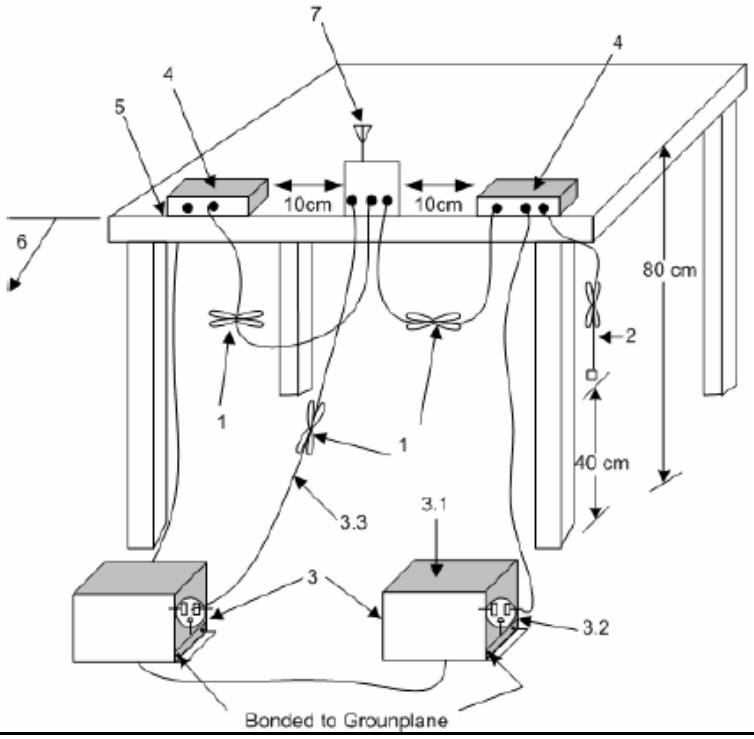
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix I

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

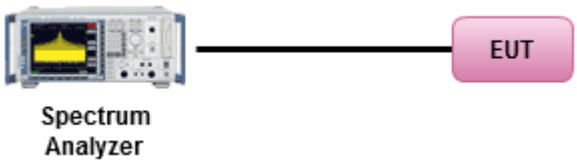
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as FCC KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
	☒ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.3 Fundamental Emission Output Power

3.3.1 Fundamental Emission Output Power Limit

Maximum Peak Conducted Output Power or Maximum Conducted Output Power Limit			
▪ 2400-2483.5 MHz Band:			
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)		
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm		
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm		
	▪ Smart antenna system (SAS):		
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm	
e.i.r.p. Power Limit:			
▪ 2400-2483.5 MHz Band			
	▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)		
	▪ Point-to-point systems (P2P): $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX}])$ dBm		
	▪ Smart antenna system (SAS)		
		- Single beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm	
		- Overlap beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm	
		- Aggregate power on all beams: $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX} + 8])$ dBm	
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi. **P_{eirp}** = e.i.r.p. Power in dBm.			

3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
	☒ Refer as FCC KDB 558074, clause 9.1.2 Option 2 (peak power meter for VBW ≥ DTS BW)
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
	☐ Refer as FCC KDB 558074, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
	RF power meter and average over on/off periods with duty factor or gated trigger
	☒ Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM (using an RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

Note: Duty cycle correction factor already take into account in shown result by adding offset during measurement.

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Peak Conducted Output Power

Refer as Appendix B

3.3.6 Test Result of Maximum Average Conducted Output Power

Refer as Appendix B

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

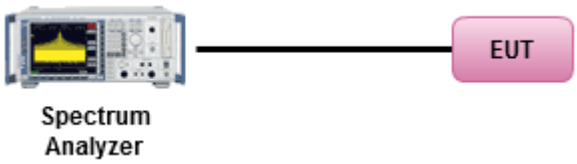
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).		
	☒ Refer as FCC KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).	
	[duty cycle ≥ 98% or external video / power trigger]	
	☐ Refer as FCC KDB 558074, clause 10.3 Method AVGPSD-1 (spectral trace averaging).	
	☐ Refer as FCC KDB 558074, clause 10.4 Method AVGPSD-2 (slow sweep speed)	
	duty cycle < 98% and average over on/off periods with duty factor	
	☐ Refer as FCC KDB 558074, clause 10.5 Method AVGPSD-1 Alt (spectral trace averaging).	
	☐ Refer as FCC KDB 558074, clause 10.6 Method AVGPSD-2 Alt. (slow sweep speed)	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		☐ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the N_{TX} output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup

Power Spectral Density
 Spectrum Analyzer

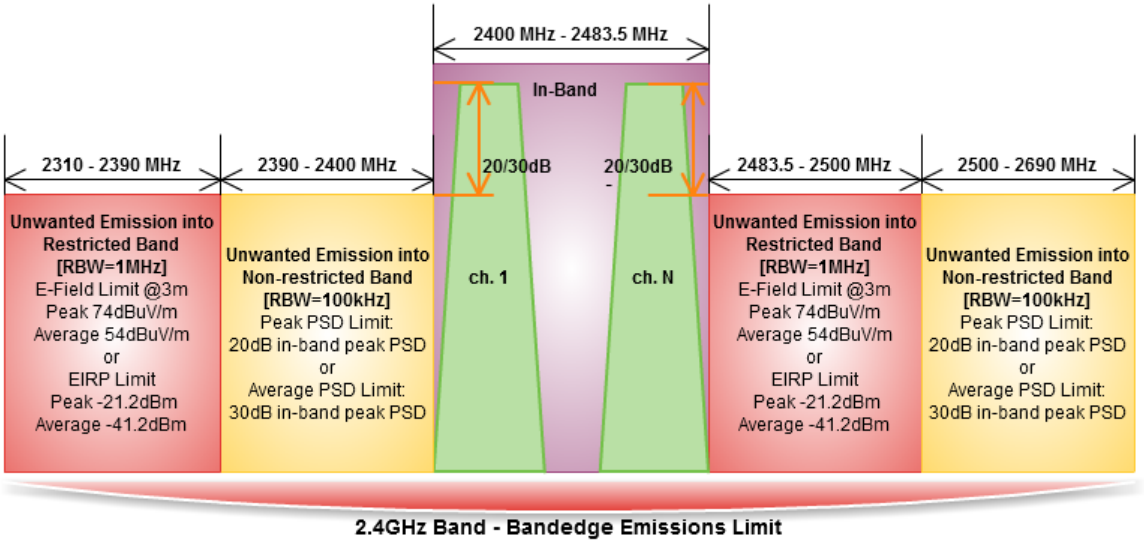
3.4.5 Test Result of Power Spectral Density

Refer as Appendix C

3.5 Transmitter Radiated Bandedge Emissions

3.5.1 Transmitter Radiated Bandedge Emissions Limit

Transmitter Radiated Bandedge Emissions Limit



3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

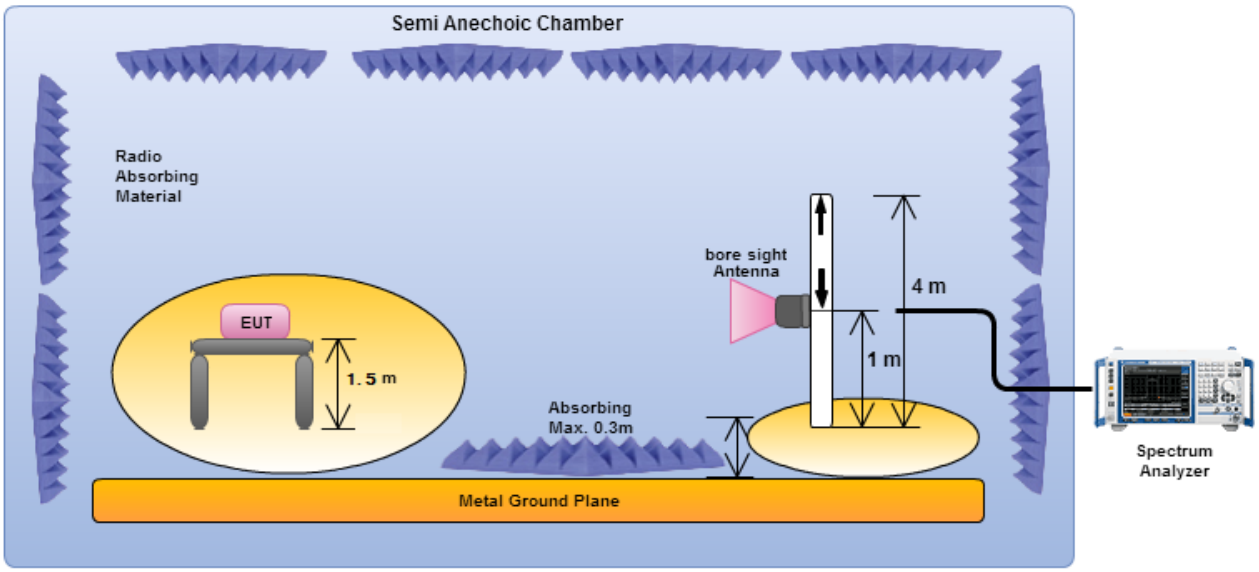
3.5.3 Test Procedures

Test Method			
☒	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
☒	Refer as ANSI C63.10, clause 6.10 bandedge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.		
☒	For the transmitter unwanted emissions shall be measured using following options below:		
	☒	Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.	
	☒	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.	
		☐	Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle ≥98%)
		☐	Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 11.3 and 12.2.4 measurement procedure peak limit.
☒	For the transmitter bandedge emissions shall be measured using following options below:		
	☐	Refer as FCC KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).	
	☒	Refer as ANSI C63.10, clause 6.10 for band-edge testing.	
	☐	Refer as ANSI C63.10, clause 6.10.6.2 for marker-delta method for band-edge measurements.	
☒	For radiated measurement, refer as FCC KDB 558074, clause 12.2.7 and ANSI C63.10, clause 6.6. Test distance is 3m.		

Test setting	
Bandedge Emissions	RBW/VBW
(Non-restricted Band)	100k/300k
(Restricted Band)	Peak : 1M/3M Average : 1M/3k

3.5.4 Test Setup

Transmitter Radiated Bandedge Emissions



Electric field tests shall be performed in transmitter bandedge emissions using a calibrated horn antenna.

3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

3.6 Transmitter Radiated Unwanted Emissions

3.6.1 Transmitter in Radiated Unwanted Emissions Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dB)**
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

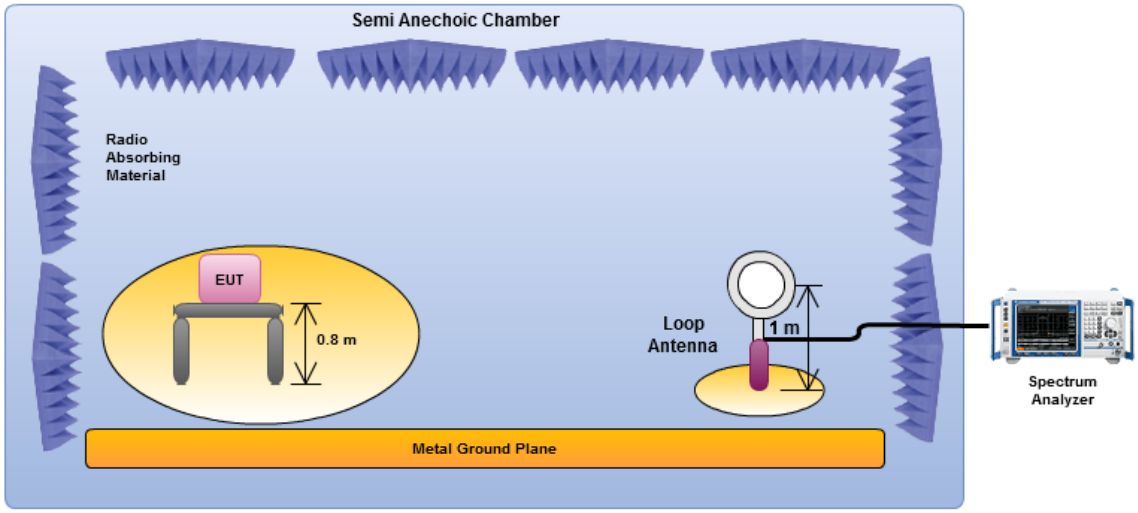
3.6.3 Test Procedures

Test Method			
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).		
☒	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
☒	For the transmitter unwanted emissions shall be measured using following options below:		
	☒	Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.	
	☒	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.	
		☐	Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle ≥98%)
		☐	Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 11.3 and 12.2.4 measurement procedure peak limit.
		☒	Refer as FCC KDB 558074, clause 12.2.3 measurement procedure Quasi-Peak limit.
☒	For radiated measurement, refer as FCC KDB 558074, clause 12.2.7.		
	☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.	
	☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
	☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.	
☒	The any unwanted emissions level shall not exceed the fundamental emission level.		
☒	All amplitude of spurious emissions that are attenuated by more than 30 dB below the permissible value has no need to be reported.		

Test setting	
Unwanted emissions	RBW/VBW
Below 1G	100k/300k
Above 1G	Peak : 1M/3M Average : 1M/3k

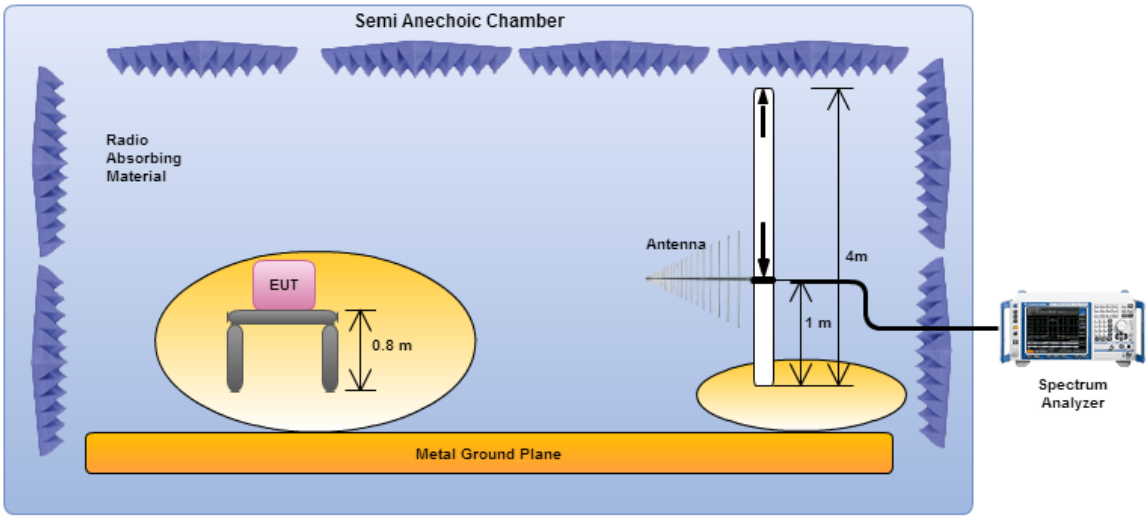
3.6.4 Test Setup

Transmitter Spurious and Out of Band Emissions (9 kHz - 30 MHz)



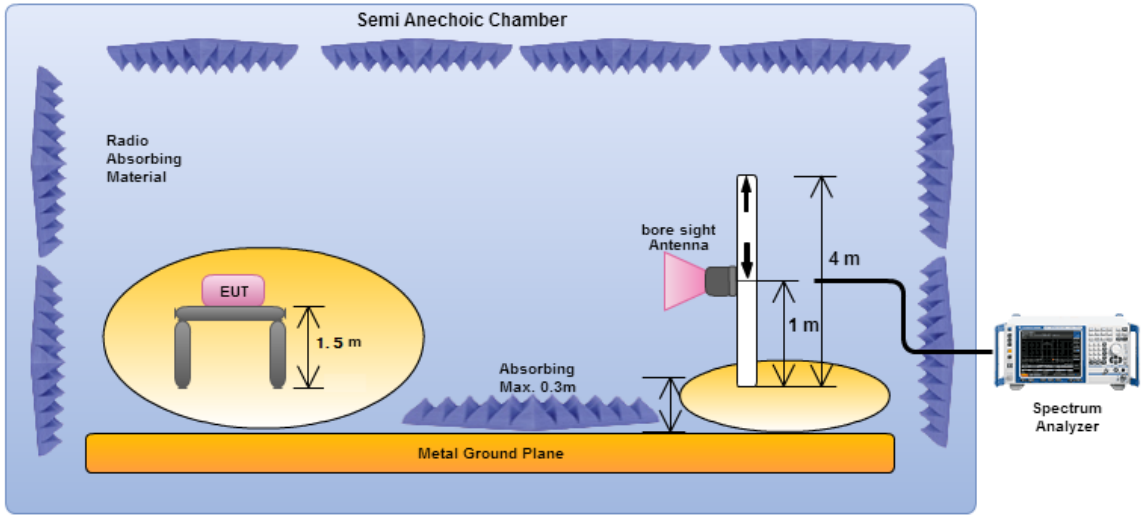
Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna.

Transmitter Radiated Unwanted Emissions (below 1GHz)



Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna.

Transmitter Radiated Unwanted Emissions (above 1GHz)



Electric field tests shall be performed in the frequency range of 1 GHz to 10th harmonic of highest fundamental frequency or 40 GHz using a calibrated horn antenna.

3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.6.6 Transmitter Radiated Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
EMC Receiver	KEYSIGHT	N9038A	MY54130031	20Hz ~ 8.4GHz	Apr. 14, 2016	Apr. 13, 2017
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	Jan. 26, 2016	Jan. 25, 2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	Oct. 30, 2015	Oct. 29, 2016
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	NCR	NCR

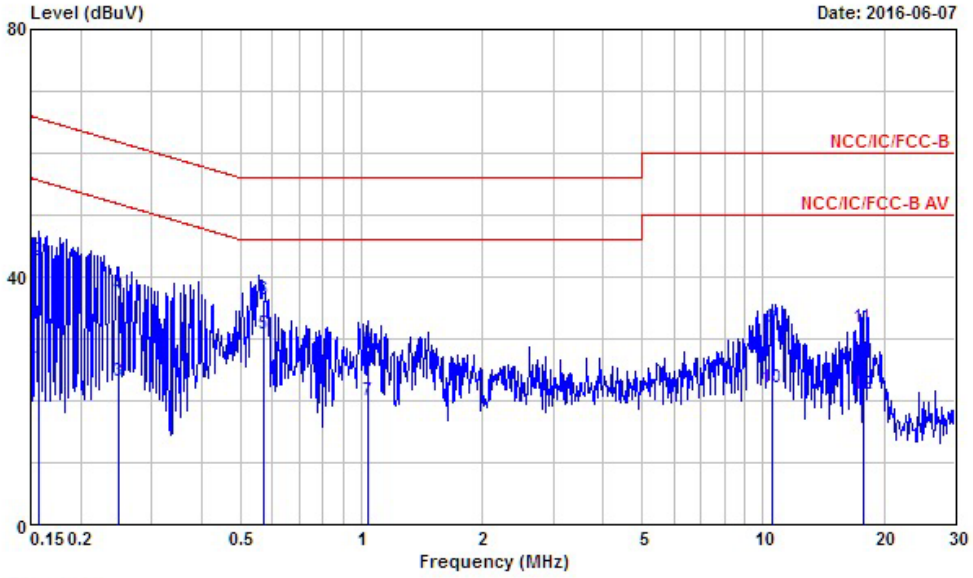
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	9KHz~40GHz	May 12, 2016	May 11, 2017
Power Sensor	Anritsu	MA2411B	917017	300MHz ~ 40GHz	Feb. 04, 2016	Feb. 03, 2017
Power Meter	Anritsu	ML2495A	949003	300MHz ~ 40GHz	Feb. 04, 2016	Feb. 03, 2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Jul. 28, 2015	Jul. 27, 2016

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz 3m	May 14, 2016	May 13, 2017
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz 3m	Jul. 01, 2015	Jun. 30, 2016
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz 3m	Jul. 01, 2016	Jun. 30, 2017
Amplifier	EMC	EMC9135	980232	9kHz ~ 1.0GHz	Jan. 29, 2016	Jan. 28, 2017
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	Apr. 11, 2016	Apr. 10, 2017
Spectrum	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	Jul. 15, 2015	Jul. 14, 2016
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL 6111D & MTJ6102	35418	30MHz ~ 1GHz	Mar. 31, 2016	Mar. 30, 2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1534	1GHz ~ 18GHz	Apr. 22, 2016	Apr. 21, 2017
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170614	18GHz ~ 40GHz	Jan. 04, 2016	Jan. 03, 2017
Amplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz ~ 40GHz	Jun. 02, 2015	Jun. 01, 2017
Loop Antenna	ROHDE&SCHWARZ	HFH2-Z2	100330	9 kHz~30 MHz	Nov. 10, 2014	Nov. 09, 2016

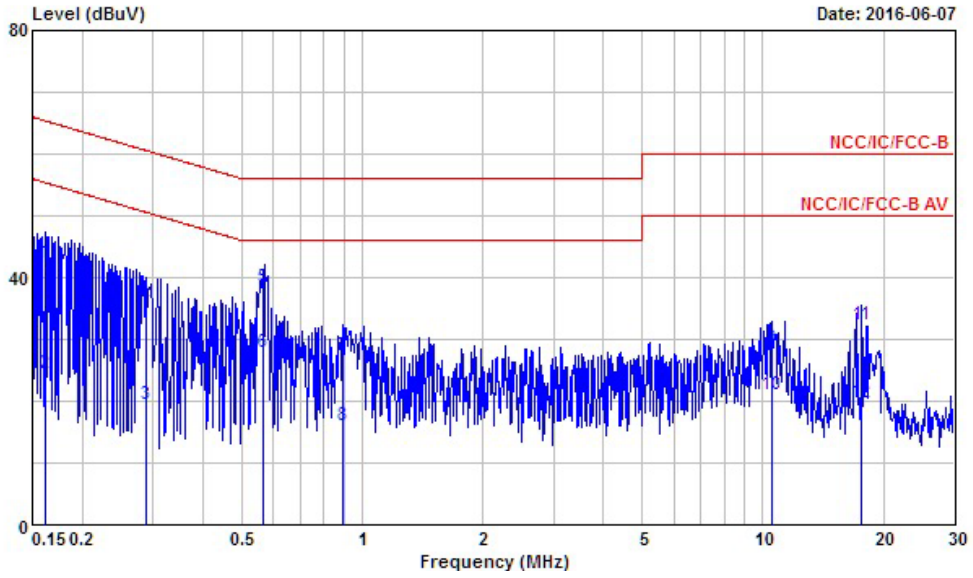
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1564950	25.59	-30.06	55.65	25.26	0.10	0.23	Average
2	0.1564950	42.67	-22.98	65.65	42.34	0.10	0.23	QP
3	0.2494540	23.10	-28.68	51.78	22.76	0.11	0.23	Average
4	0.2494540	37.22	-24.56	61.78	36.88	0.11	0.23	QP
5	0.5691950	30.83	-15.17	46.00	30.61	0.12	0.10	Average
6	0.5691950	36.32	-19.68	56.00	36.10	0.12	0.10	QP
7	1.040	20.03	-25.97	46.00	19.79	0.13	0.11	Average
8	1.040	28.11	-27.89	56.00	27.87	0.13	0.11	QP
9	10.560	31.74	-28.26	60.00	31.25	0.29	0.20	QP
10	10.560	22.05	-27.95	50.00	21.56	0.29	0.20	Average
11	17.750	31.82	-28.18	60.00	31.26	0.36	0.20	QP
12	17.750	21.14	-28.86	50.00	20.58	0.36	0.20	Average

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

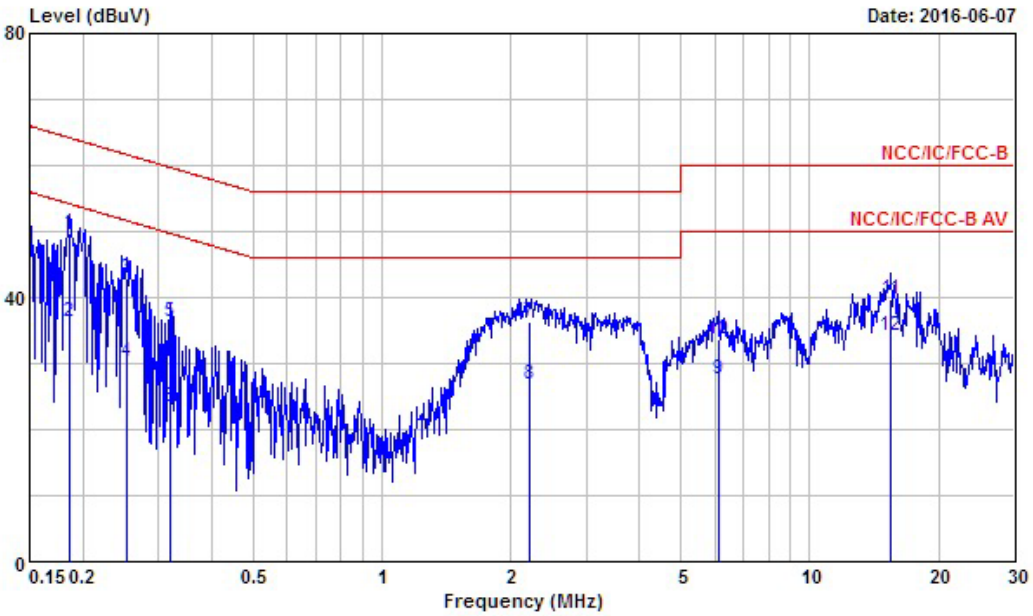
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1615500	42.29	-23.09	65.38	41.94	0.11	0.24	QP
2	0.1615500	24.57	-30.81	55.38	24.22	0.11	0.24	Average
3	0.2893470	19.38	-31.16	50.54	19.07	0.12	0.19	Average
4	0.2893470	35.62	-24.92	60.54	35.31	0.12	0.19	QP
5	0.5663500	38.52	-17.48	56.00	38.30	0.12	0.10	QP
6	0.5663500	27.84	-18.16	46.00	27.62	0.12	0.10	Average
7	0.8944140	27.48	-28.52	56.00	27.25	0.13	0.10	QP
8	0.8944140	15.99	-30.01	46.00	15.76	0.13	0.10	Average
9	10.510	28.74	-31.26	60.00	28.27	0.27	0.20	QP
10	10.510	21.15	-28.85	50.00	20.68	0.27	0.20	Average
11	17.660	32.45	-27.55	60.00	31.92	0.33	0.20	QP
12	17.660	19.84	-30.16	50.00	19.31	0.33	0.20	Average

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

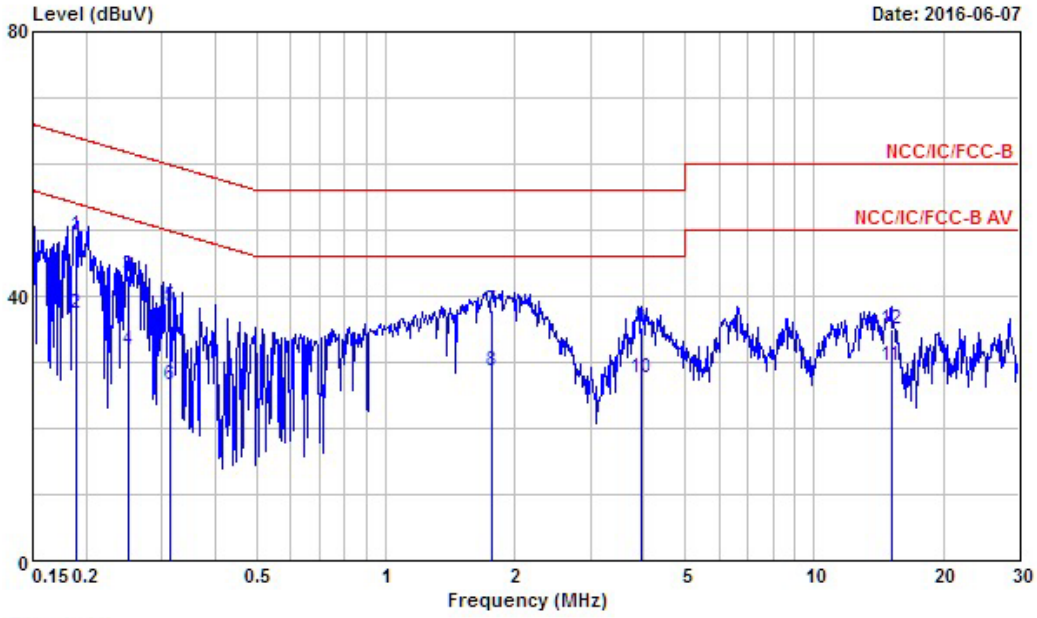
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	USB Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	@0.1863950	49.62	-14.58	64.20	49.23	0.11	0.28	QP
2	0.1863950	36.22	-17.98	54.20	35.83	0.11	0.28	Average
3	0.2521110	42.83	-18.86	61.69	42.49	0.11	0.23	QP
4	0.2521110	30.16	-21.53	51.69	29.82	0.11	0.23	Average
5	0.3199920	36.36	-23.35	59.71	36.07	0.12	0.17	QP
6	0.3199920	23.43	-26.28	49.71	23.14	0.12	0.17	Average
7	2.220	36.33	-19.67	56.00	35.91	0.15	0.27	QP
8	2.220	26.71	-19.29	46.00	26.29	0.15	0.27	Average
9	6.120	27.70	-22.30	50.00	27.34	0.21	0.15	Average
10	6.120	33.62	-26.38	60.00	33.26	0.21	0.15	QP
11	15.470	39.77	-20.23	60.00	39.25	0.32	0.20	QP
12	15.470	34.17	-15.83	50.00	33.65	0.32	0.20	Average

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Line
Operating Function	USB Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	@0.1893810	49.12	-14.94	64.06	48.72	0.11	0.29	QP
2	0.1893810	37.41	-16.65	54.06	37.01	0.11	0.29	Average
3	0.2507790	43.09	-18.64	61.73	42.75	0.11	0.23	QP
4	0.2507790	31.95	-19.78	51.73	31.61	0.11	0.23	Average
5	0.3132810	38.34	-21.54	59.88	38.05	0.12	0.17	QP
6	0.3132810	26.69	-23.19	49.88	26.40	0.12	0.17	Average
7	1.770	37.98	-18.02	56.00	37.57	0.15	0.26	QP
8	1.770	28.63	-17.37	46.00	28.22	0.15	0.26	Average
9	3.940	35.19	-20.81	56.00	34.91	0.18	0.10	QP
10	3.940	27.70	-18.30	46.00	27.42	0.18	0.10	Average
11	15.150	29.51	-20.49	50.00	28.97	0.34	0.20	Average
12	15.150	34.95	-25.05	60.00	34.41	0.34	0.20	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

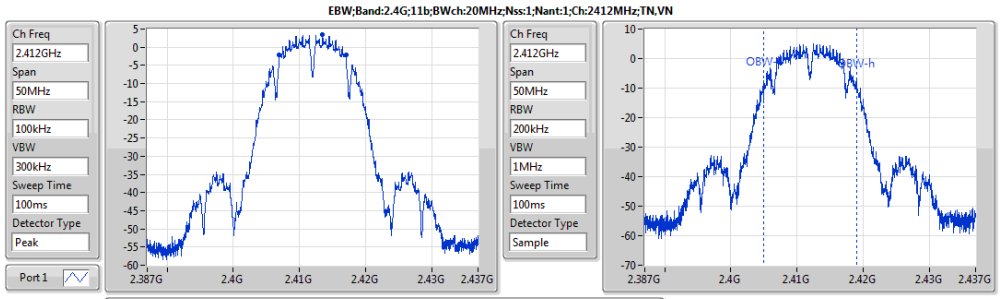
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4G;11b;20;1;1	10.05M	14.118M	14M1G1D	10.05M	13.918M
2.4G;11g;20;1;1	16.3M	16.592M	16M6D1D	16.275M	16.567M
2.4G;HT20;20;1,(M0-7);1	17.3M	17.766M	17M8D1D	16.75M	17.741M

Result

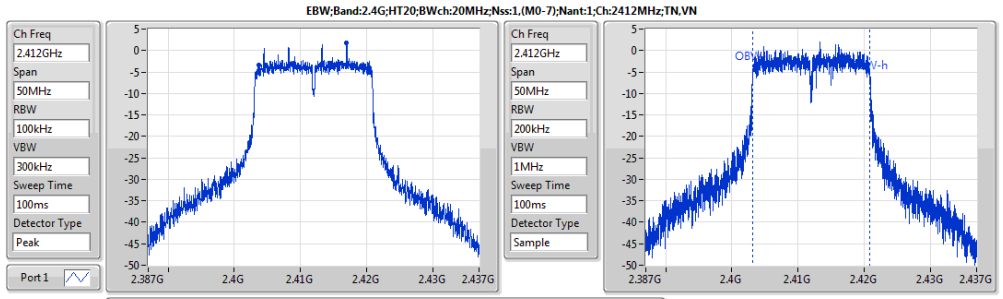
Mode	Result	Limit	P1-N dB	P1-OBW
			(Hz)	(Hz)
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	500k	10.05M	13.968M
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	500k	10.05M	13.918M
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	500k	10.05M	14.118M
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	500k	16.3M	16.592M
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	500k	16.3M	16.592M
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	500k	16.275M	16.567M
2.4G;HT20;20;1,(M0-7);1;2412;L;TN,VN	Pass	500k	16.75M	17.741M
2.4G;HT20;20;1,(M0-7);1;2437;M;TN,VN	Pass	500k	17.3M	17.766M
2.4G;HT20;20;1,(M0-7);1;2462;H;TN,VN	Pass	500k	17.3M	17.766M

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TN,VN



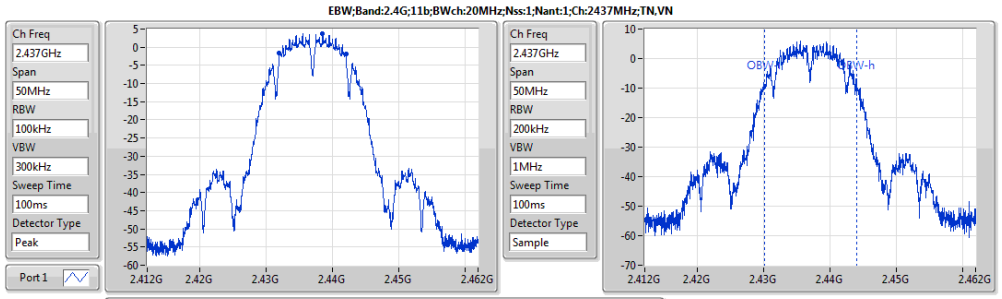
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.406975G	2.417025G	13.968M	2.405028G	2.418997G	500k	1

EBW;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0-7);Nant:1;Ch:2412MHz;TN,VN



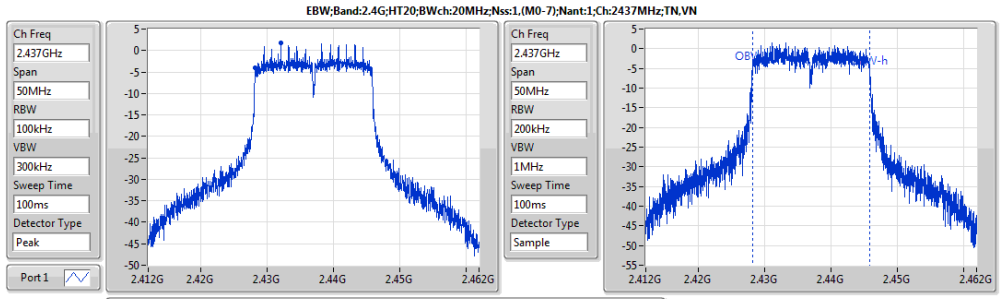
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.75M	2.40365G	2.4204G	17.741M	2.403129G	2.420871G	500k	1

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TN,VN



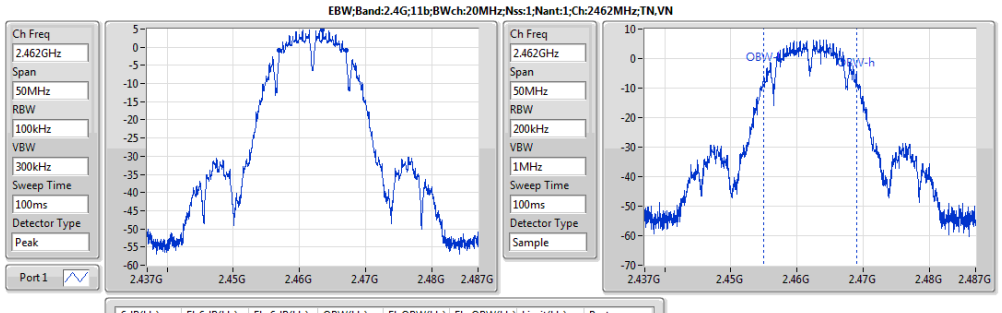
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.431975G	2.442025G	13.918M	2.430053G	2.443972G	500k	1

EBW;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0-7);Nant:1;Ch:2437MHz;TN,VN



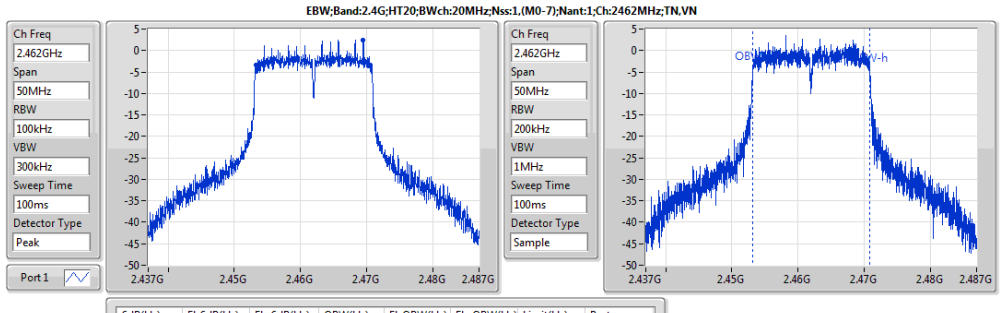
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.3M	2.428225G	2.445525G	17.766M	2.428104G	2.445871G	500k	1

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TN,VN



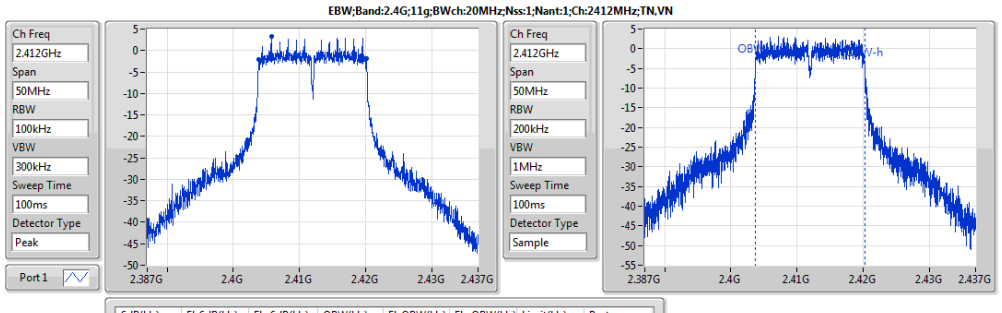
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.456975G	2.467025G	14.118M	2.454954G	2.469071G	500k	1

EBW;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0-7);Nant:1;Ch:2462MHz;TN,VN



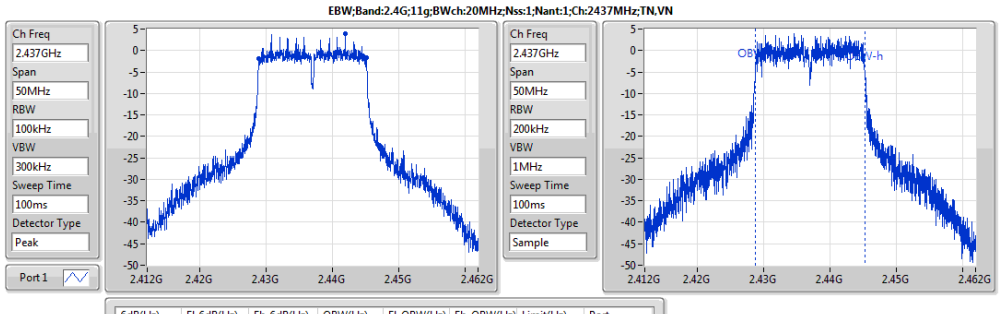
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.3M	2.45325G	2.47055G	17.766M	2.453129G	2.470896G	500k	1

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TN,VN



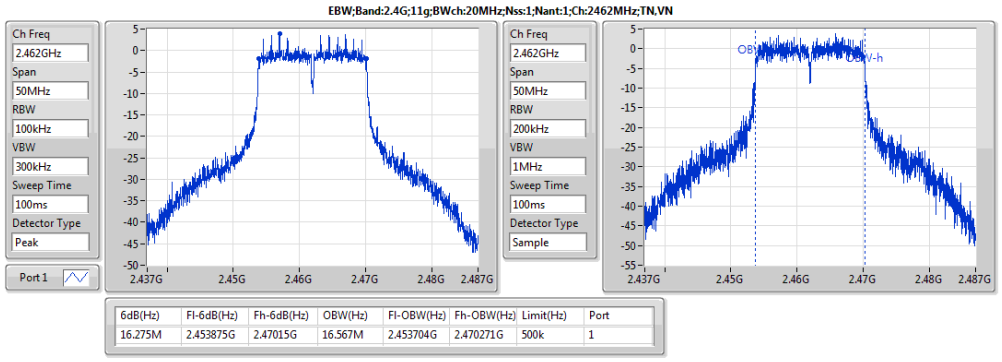
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.40385G	2.42015G	16.592M	2.403704G	2.420296G	500k	1

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TN,VN



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.42885G	2.44515G	16.592M	2.428704G	2.445296G	500k	1

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TN,VN



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.453875G	2.47015G	16.567M	2.453704G	2.470271G	500k	1

Summary

Mode	Sum(dBm)	Sum(W)	EIRP(dBm)	EIRP(W)
2.4G;11b;20;1;1	17.61	0.05768	18.45	0.06998
2.4G;11g;20;1;1	22.89	0.19454	23.73	0.23605
2.4G;HT20;20;1,(M0-7);1	21.71	0.14825	22.55	0.17989

Result

Mode	Result	DG(dBi)	EIRP(dBm)	EIRP Lim. (dBm)	Sum(dBm)	Sum Lim. (dBm)	P1(dBm)
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	0.84	17.83	36.00	16.99	30.00	16.99
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	0.84	17.48	36.00	16.64	30.00	16.64
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	0.84	18.45	36.00	17.61	30.00	17.61
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	0.84	23.73	36.00	22.89	30.00	22.89
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	0.84	23.57	36.00	22.73	30.00	22.73
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	0.84	23.11	36.00	22.27	30.00	22.27
2.4G;HT20;20;1,(M0-7);1;2412;L;TN,VN	Pass	0.84	22.32	36.00	21.48	30.00	21.48
2.4G;HT20;20;1,(M0-7);1;2437;M;TN,VN	Pass	0.84	22.38	36.00	21.54	30.00	21.54
2.4G;HT20;20;1,(M0-7);1;2462;H;TN,VN	Pass	0.84	22.55	36.00	21.71	30.00	21.71

Summary

Mode	Sum(dBm)	Sum(W)	EIRP(dBm)	EIRP(W)
2.4G;11b;20;1;1	15.83	0.03828	16.67	0.04645
2.4G;11g;20;1;1	14.76	0.02992	15.60	0.03631
2.4G;HT20;20;1,(M0-7);1	13.81	0.02404	14.65	0.02917

Result

Mode	Result	DG(dBi)	EIRP(dBm)	EIRP Lim. (dBm)	Sum(dBm)	Sum Lim. (dBm)	P1(dBm)
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	0.84	15.65	36.00	14.81	30.00	14.81
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	0.84	15.38	36.00	14.54	30.00	14.54
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	0.84	16.67	36.00	15.83	30.00	15.83
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	0.84	15.33	36.00	14.49	30.00	14.49
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	0.84	15.60	36.00	14.76	30.00	14.76
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	0.84	15.50	36.00	14.66	30.00	14.66
2.4G;HT20;20;1,(M0-7);1;2412;L;TN,VN	Pass	0.84	13.52	36.00	12.68	30.00	12.68
2.4G;HT20;20;1,(M0-7);1;2437;M;TN,VN	Pass	0.84	13.84	36.00	13.00	30.00	13.00
2.4G;HT20;20;1,(M0-7);1;2462;H;TN,VN	Pass	0.84	14.65	36.00	13.81	30.00	13.81

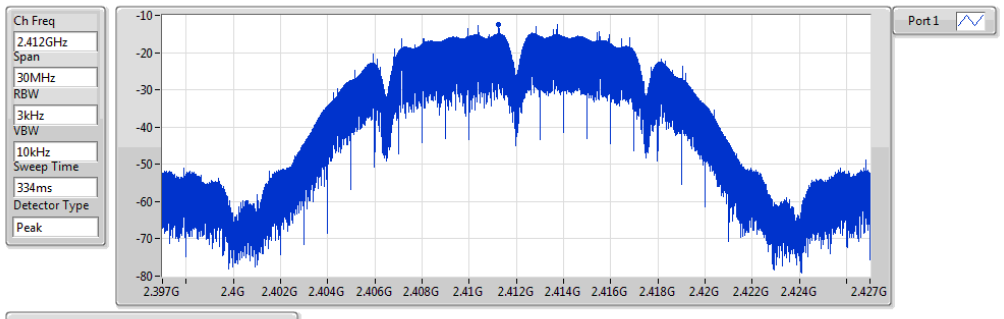
Summary

Mode	PD	EIRP.PD
	(dBm/RBW)	(dBm/RBW)
2.4G;11b;20;1;1	-11.06	-10.22
2.4G;11g;20;1;1	-11.62	-10.78
2.4G;HT20;20;1,(M0-7);1	-12.99	-12.15

Result

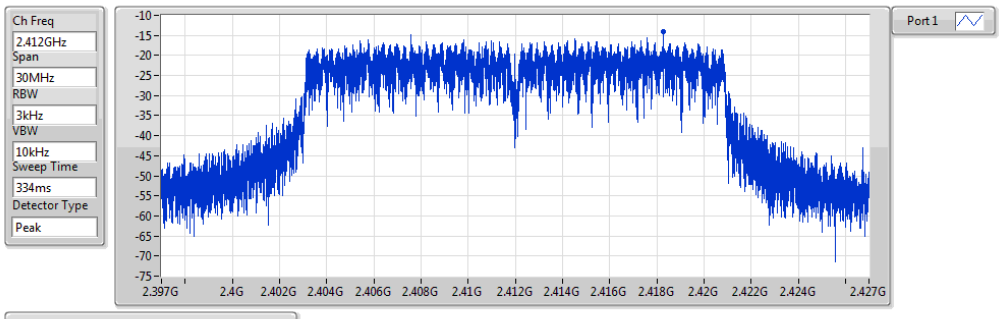
Mode	Result	Meas.RBW (Hz)	Lim.RBW (Hz)	BWCF (dB)	DG (dBi)	Sum.Max (dBm/RBW)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	EIRP.PD (dBm/RBW)	EIRP.PD.Lim (dBm/RBW)	P1 (dBm/RBW)
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	3k	3k	0.00	0.84	-12.45	-12.45	8.00	-11.61	Inf	-12.45
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	3k	3k	0.00	0.84	-11.23	-11.23	8.00	-10.39	Inf	-11.23
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	3k	3k	0.00	0.84	-11.06	-11.06	8.00	-10.22	Inf	-11.06
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	3k	3k	0.00	0.84	-12.31	-12.31	8.00	-11.47	Inf	-12.31
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	3k	3k	0.00	0.84	-12.44	-12.44	8.00	-11.60	Inf	-12.44
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	3k	3k	0.00	0.84	-11.62	-11.62	8.00	-10.78	Inf	-11.62
2.4G;HT20;20;1,(M0-7);1;2412;L;TN,VN	Pass	3k	3k	0.00	0.84	-14.03	-14.03	8.00	-13.19	Inf	-14.03
2.4G;HT20;20;1,(M0-7);1;2437;M;TN,VN	Pass	3k	3k	0.00	0.84	-13.59	-13.59	8.00	-12.75	Inf	-13.59
2.4G;HT20;20;1,(M0-7);1;2462;H;TN,VN	Pass	3k	3k	0.00	0.84	-12.99	-12.99	8.00	-12.15	Inf	-12.99

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TN,VN



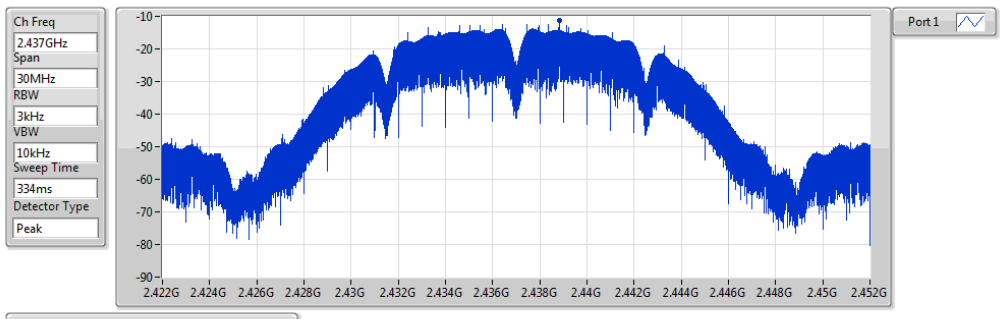
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.45	-12.45	-12.45

PSD;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0-7);Nant:1;Ch:2412MHz;TN,VN



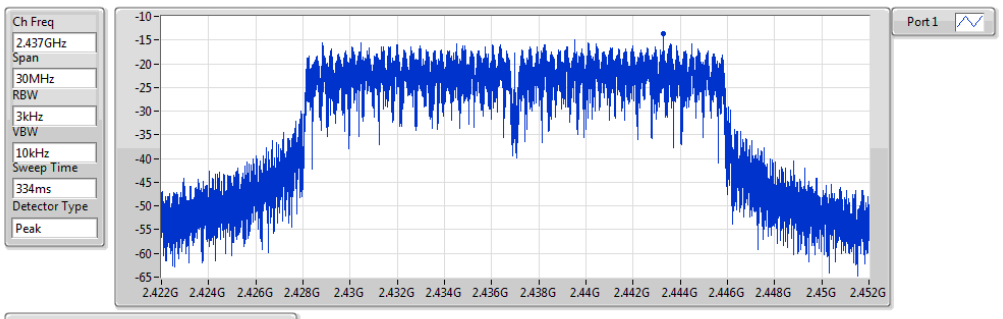
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.03	-14.03	-14.03

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TN,VN



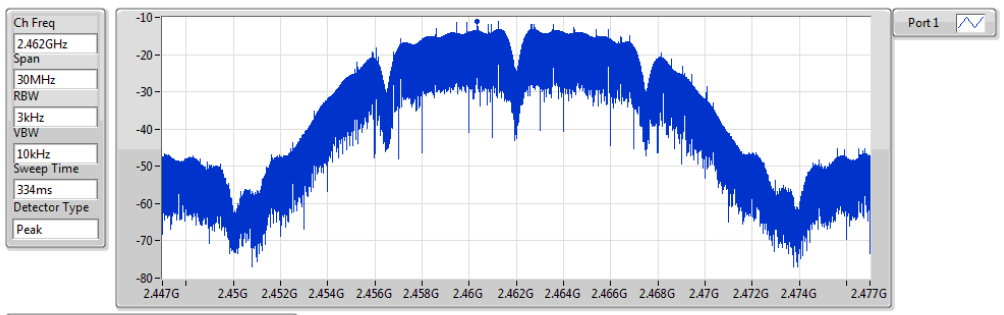
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.23	-11.23	-11.23

PSD;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0-7);Nant:1;Ch:2437MHz;TN,VN



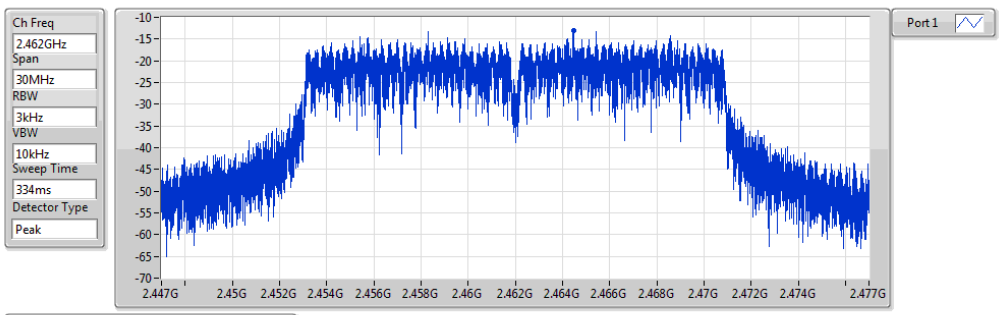
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.59	-13.59	-13.59

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TN,VN



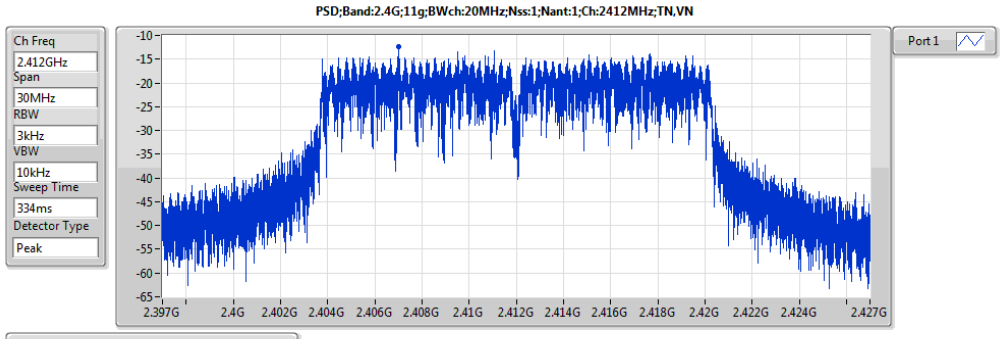
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.06	-11.06	-11.06

PSD;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0-7);Nant:1;Ch:2462MHz;TN,VN



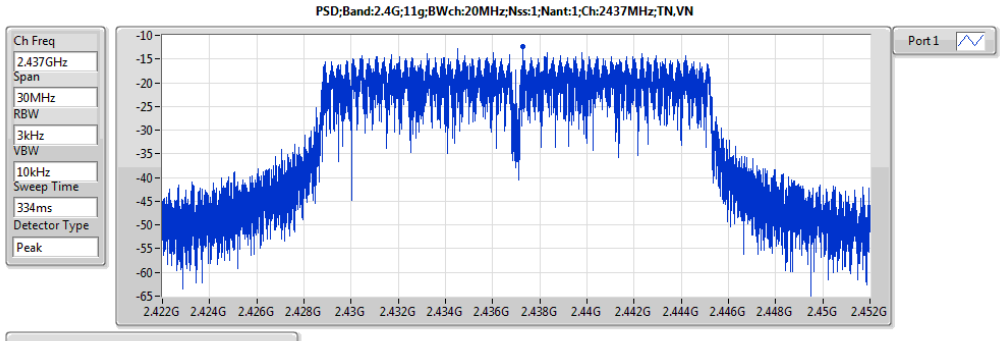
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.99	-12.99	-12.99

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2412MHz;TN,VN



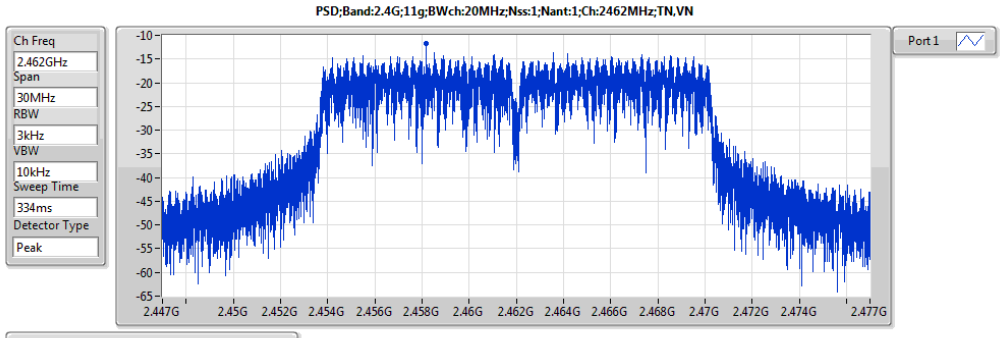
Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.31	-12.31	-12.31

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2437MHz;TN,VN



Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.44	-12.44	-12.44

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:1;Ch:2462MHz;TN,VN

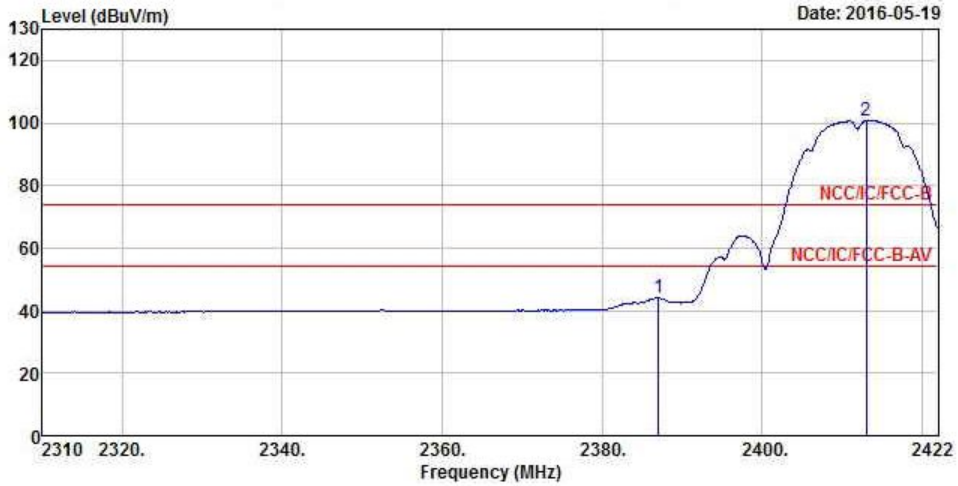


Sum.Max	PD	P1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.62	-11.62	-11.62

2400-2483.5MHz Transmitter Radiated Bandedge Emissions (Non-restricted Band)								
Modulation	**N_{TX}**	**Test Freq. (MHz)**	**In-band PSD [i] (dBuV/100kHz)**	**Freq. (MHz)**	**Out-band PSD [o] (dBuV/100kHz)**	**[i] – [o] (dB)**	**Limit (dB)**	**Pol.**
11b	1	2412	98.48	2397.136	61.84	36.64	20	H
11b	1	2462	98.82	2503.400	41.92	56.90	20	H
11g	1	2412	91.98	2398.928	61.42	30.56	20	H
11g	1	2462	92.86	2507.000	41.77	51.09	20	H
HT20	1	2412	90.92	2399.936	59.72	31.20	20	H
HT20	1	2462	91.49	2545.200	41.76	49.73	20	H
Note 1: Measurement worst emissions of receive antenna polarization								

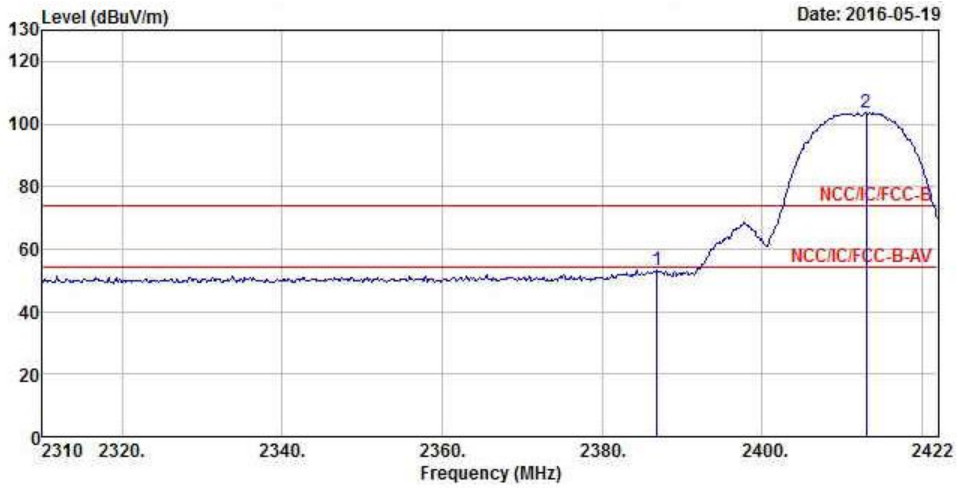
2400-2483.5MHz Transmitter Radiated Bandedge Emissions (Restricted Band)										
Modulation Mode	**N_{TX}**	**Freq. (MHz)**	**Measure Distance (m)**	**Freq. (MHz) PK**	**Level (dBuV/m) PK**	**Limit (dBuV/m) PK**	**Freq. (MHz) AV**	**Level (dBuV/m) AV**	**Limit (dBuV/m) AV**	**Pol.**
11b	1	2412	3	2386.832	53.05	74	2387.056	43.99	54	H
11b	1	2462	3	2489.400	53.72	74	2487.000	43.82	54	H
11g	1	2412	3	2389.968	61.75	74	2389.968	48.40	54	H
11g	1	2462	3	2483.600	61.99	74	2483.600	47.94	54	H
HT20	1	2412	3	2389.968	63.93	74	2389.968	48.52	54	H
HT20	1	2462	3	2484.200	61.75	74	2483.600	47.84	54	H
Note 1: Measurement worst emissions of receive antenna polarization.										

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2412
N_{TX}	1	**Remark**	Average



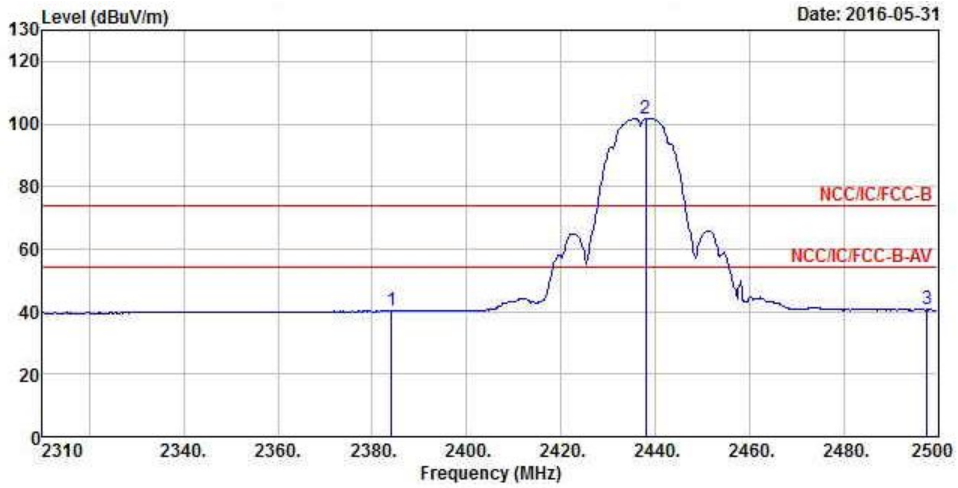
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2387.056	43.99	-10.01	54.00	47.83	27.01	4.28	35.13	Average
2	2413.040	100.72	46.72	54.00	104.51	27.07	4.28	35.14	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2412
N_{TX}	1	**Polarization**	Peak



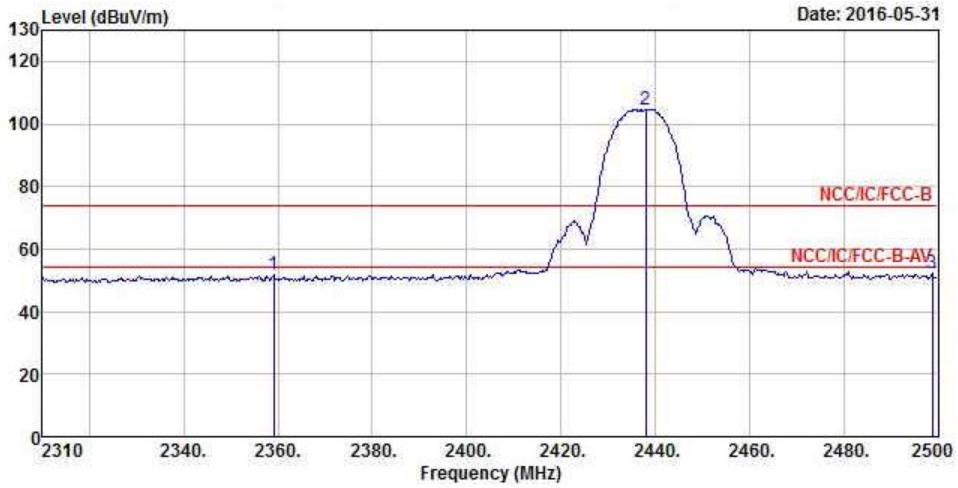
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2386.832	53.05	-20.95	74.00	56.89	27.01	4.28	35.13	Peak
2	2413.040	103.51	29.51	74.00	107.30	27.07	4.28	35.14	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2437
N_{TX}	1	**Remark**	Average



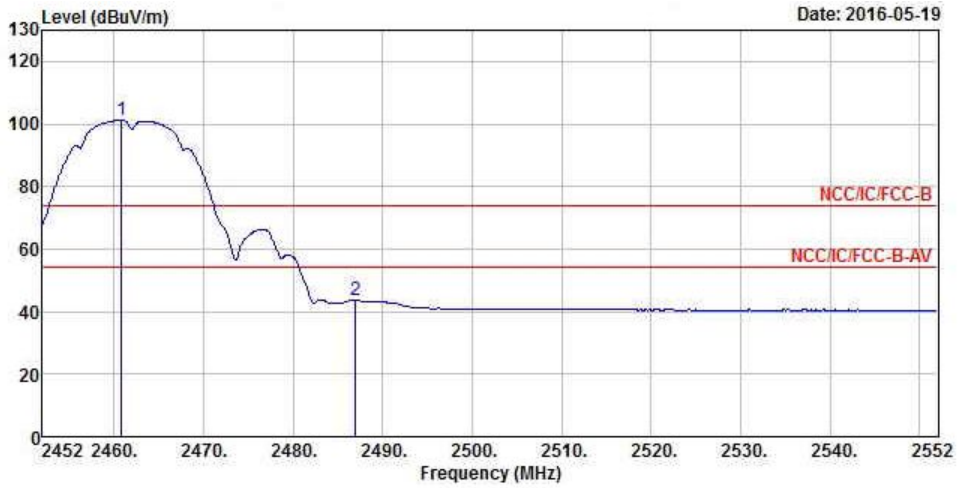
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2384.100	40.25	-13.75	54.00	44.13	27.00	4.25	35.13	Average
2	2438.060	101.92	47.92	54.00	105.61	27.14	4.32	35.15	Average
3	2497.720	40.71	-13.29	54.00	44.24	27.29	4.35	35.17	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2437
N_{TX}	1	**Remark**	Peak



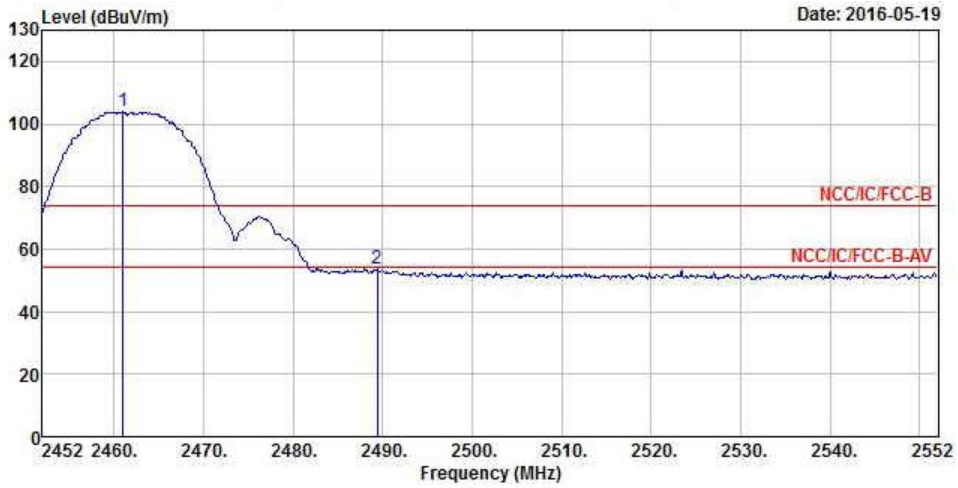
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2359.020	51.61	-22.39	74.00	55.55	26.93	4.25	35.12	Peak
2	2438.060	104.72	30.72	74.00	108.41	27.14	4.32	35.15	Peak
3	2498.860	52.28	-21.72	74.00	55.80	27.30	4.35	35.17	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2462
N_{TX}	1	**Remark**	Average



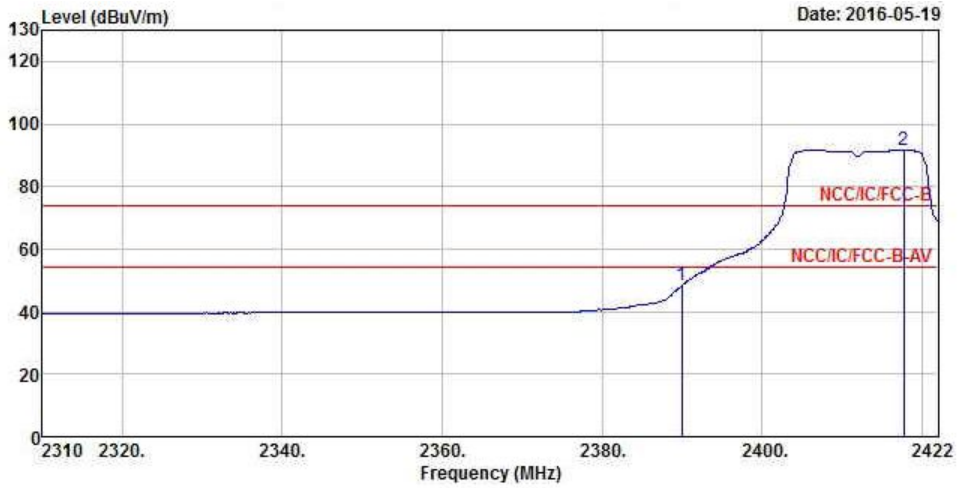
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2460.800	101.06	47.06	54.00	104.70	27.20	4.32	35.16	Average
2	2487.000	43.82	-10.18	54.00	47.37	27.27	4.35	35.17	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2462
N_{TX}	1	**Remark**	Peak



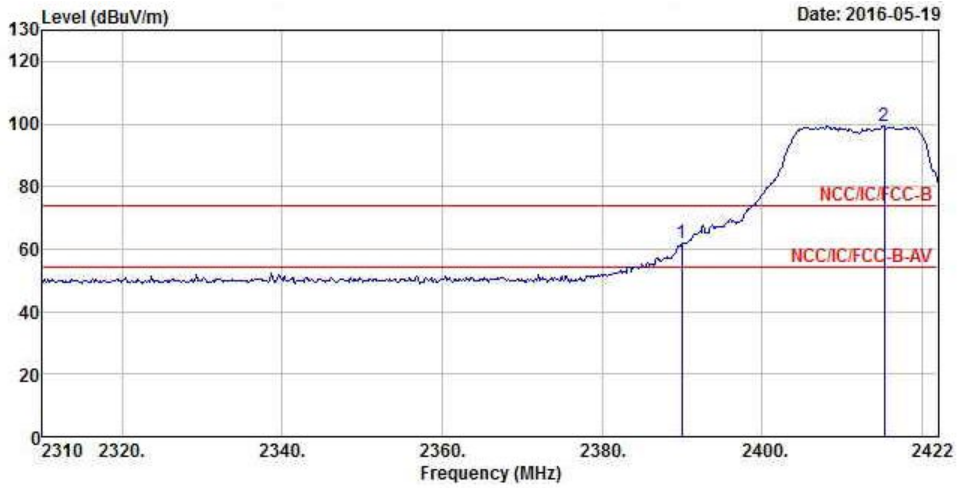
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2461.000	103.88	29.88	74.00	107.52	27.20	4.32	35.16	Peak
2	2489.400	53.72	-20.28	74.00	57.27	27.27	4.35	35.17	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2412
N_{TX}	1	**Remark**	Average



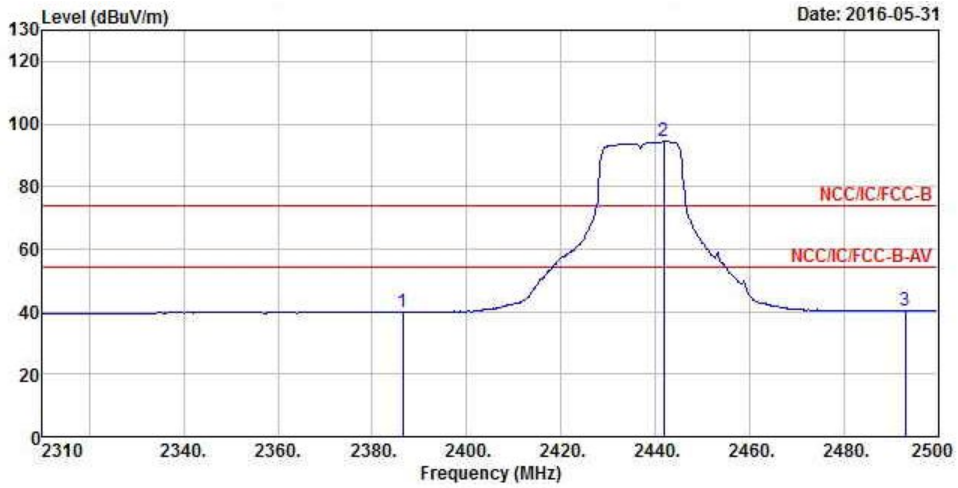
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2389.968	48.40	-5.60	54.00	52.24	27.01	4.28	35.13	Average
2	2417.744	91.55	37.55	54.00	95.32	27.09	4.28	35.14	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2412
N_{TX}	1	**Polarization**	Peak



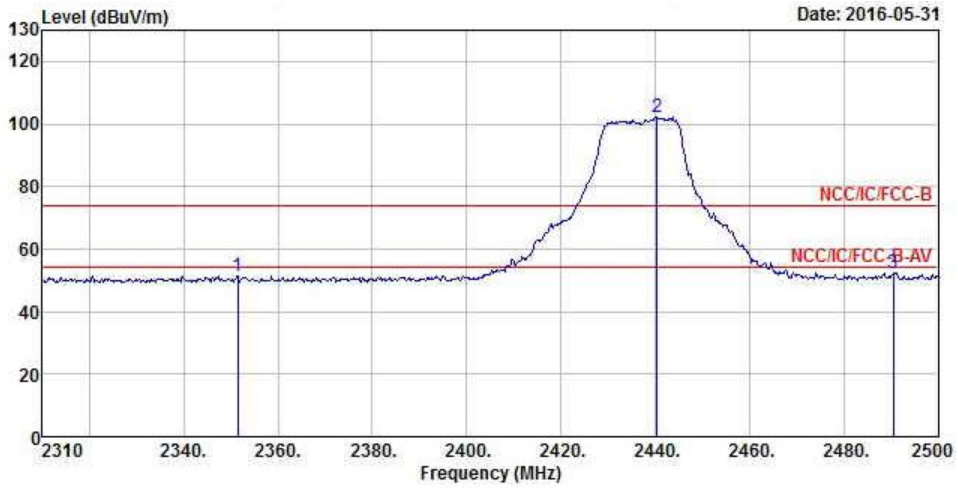
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2389.968	61.75	-12.25	74.00	65.59	27.01	4.28	35.13	Peak
2	2415.280	99.22	25.22	74.00	103.00	27.08	4.28	35.14	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2437
N_{TX}	1	**Remark**	Average



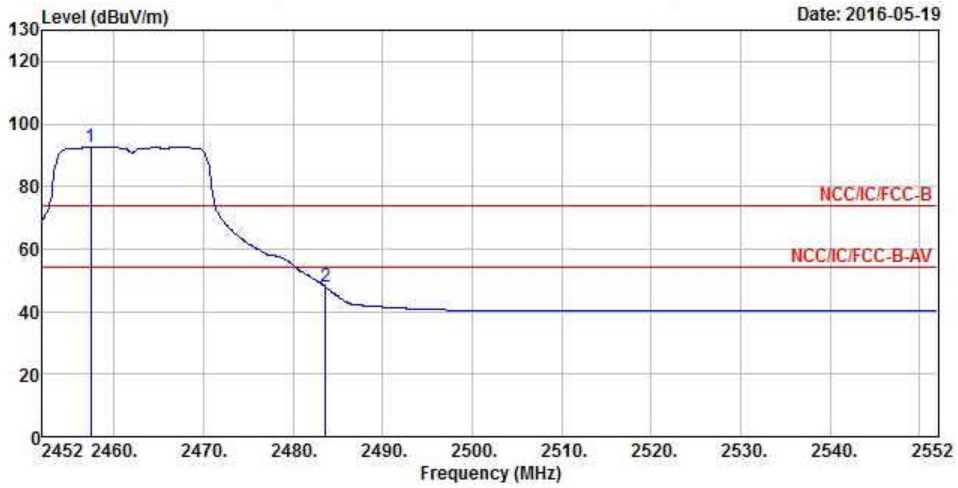
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2386.380	39.97	-14.03	54.00	43.82	27.00	4.28	35.13	Average
2	2441.860	94.32	40.32	54.00	98.00	27.15	4.32	35.15	Average
3	2493.160	40.48	-13.52	54.00	44.02	27.28	4.35	35.17	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2437
N_{TX}	1	**Remark**	Peak



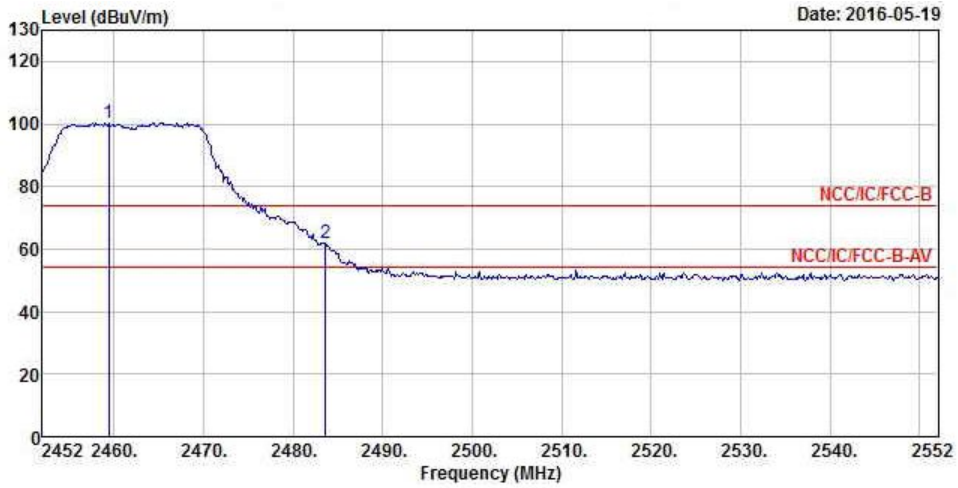
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2351.420	51.48	-22.52	74.00	55.43	26.91	4.25	35.11	Peak
2	2440.340	102.08	28.08	74.00	105.77	27.14	4.32	35.15	Peak
3	2490.500	52.38	-21.62	74.00	55.92	27.28	4.35	35.17	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2462
N_{TX}	1	**Remark**	Average



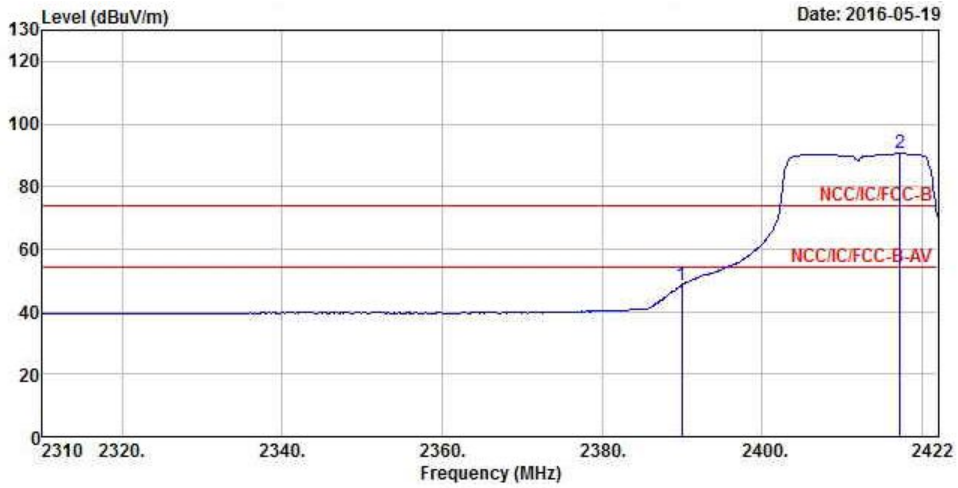
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2457.400	92.44	38.44	54.00	96.08	27.19	4.32	35.15	Average
2	2483.600	47.94	-6.06	54.00	51.49	27.26	4.35	35.16	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2462
N_{TX}	1	**Remark**	Peak



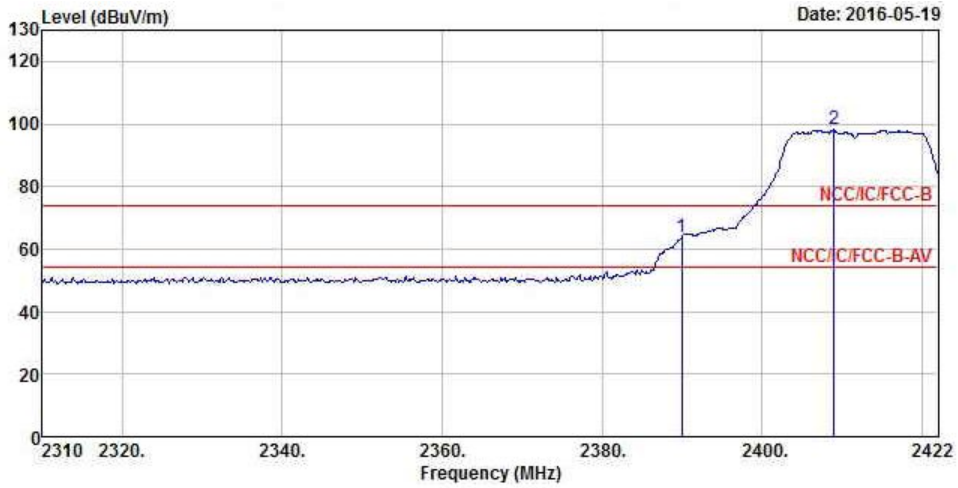
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2459.400	100.47	26.47	74.00	104.11	27.19	4.32	35.15	Peak
2	2483.600	61.99	-12.01	74.00	65.54	27.26	4.35	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2412
N_{TX}	1	**Remark**	Average



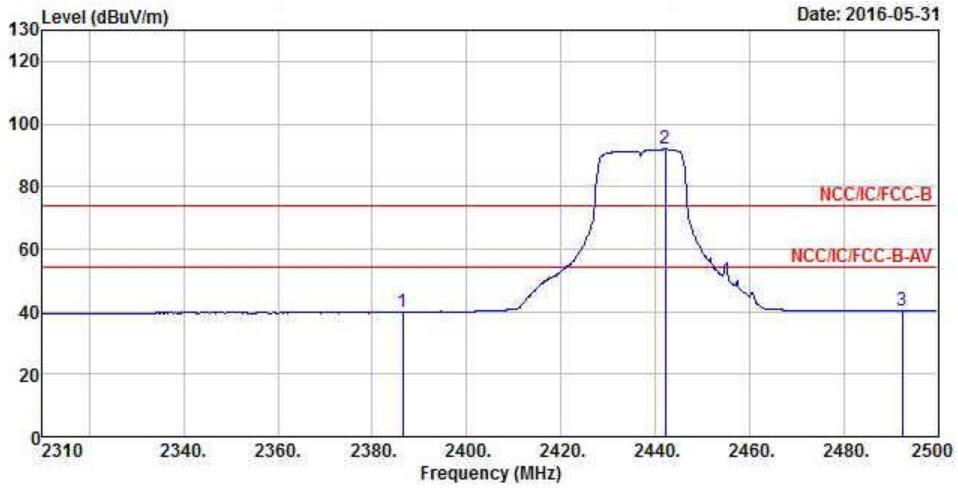
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2389.968	48.52	-5.48	54.00	52.36	27.01	4.28	35.13	Average
2	2417.296	90.51	36.51	54.00	94.29	27.08	4.28	35.14	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2412
N_{TX}	1	**Polarization**	Peak



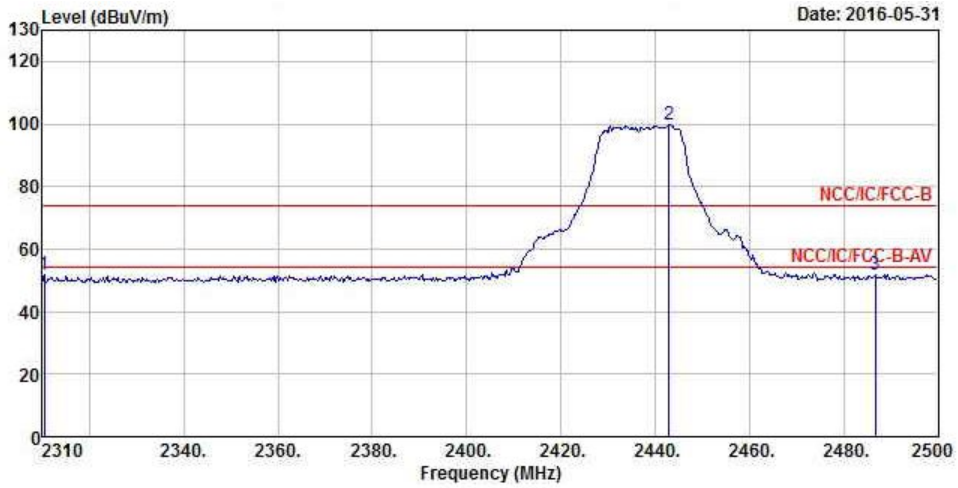
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2389.968	63.93	-10.07	74.00	67.77	27.01	4.28	35.13	Peak
2	2409.008	98.24	24.24	74.00	102.04	27.06	4.28	35.14	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2437
N_{TX}	1	**Remark**	Average



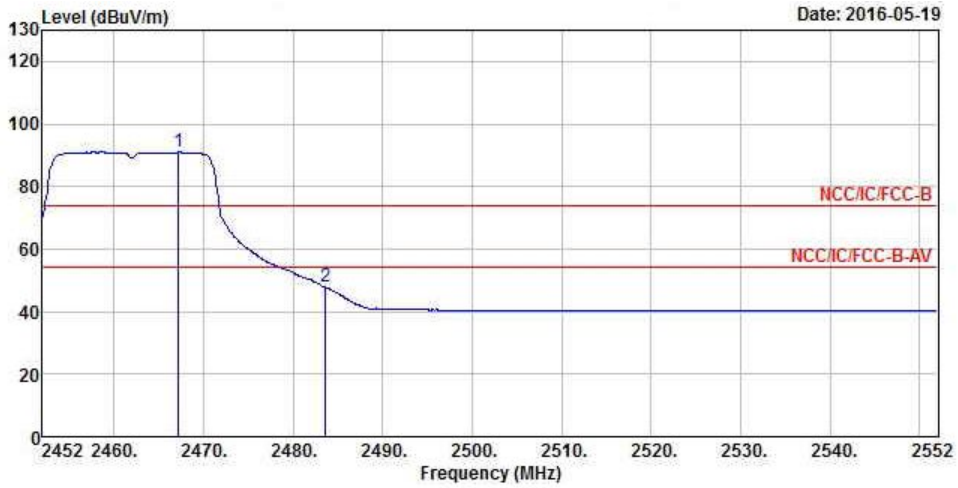
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2386.380	39.92	-14.08	54.00	43.77	27.00	4.28	35.13	Average
2	2442.240	91.91	37.91	54.00	95.59	27.15	4.32	35.15	Average
3	2492.400	40.37	-13.63	54.00	43.91	27.28	4.35	35.17	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2437
N_{TX}	1	**Remark**	Peak



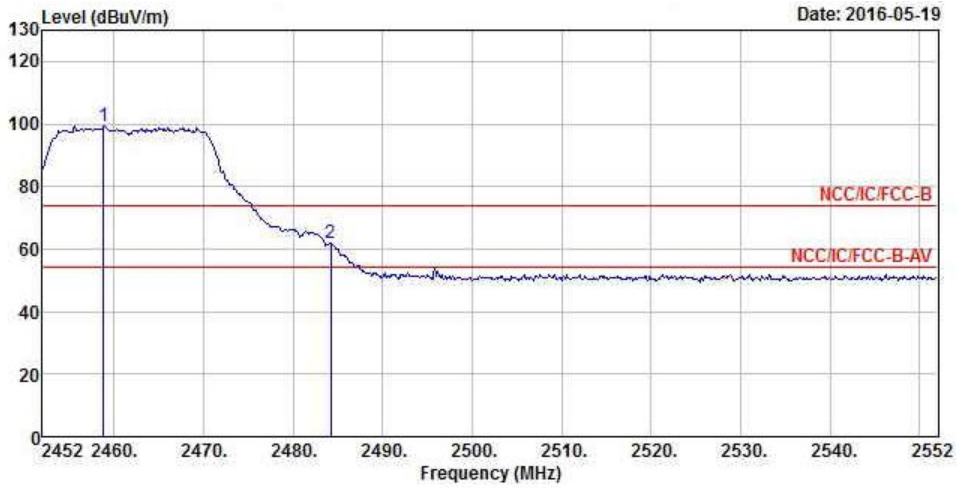
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2310.380	51.58	-22.42	74.00	55.66	26.81	4.21	35.10	Peak
2	2443.000	99.91	25.91	74.00	103.59	27.15	4.32	35.15	Peak
3	2486.700	52.03	-21.97	74.00	55.57	27.27	4.35	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2462
N_{TX}	1	**Remark**	Average



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2467.200	90.92	36.92	54.00	94.52	27.21	4.35	35.16	Average
2	2483.600	47.84	-6.16	54.00	51.39	27.26	4.35	35.16	Average

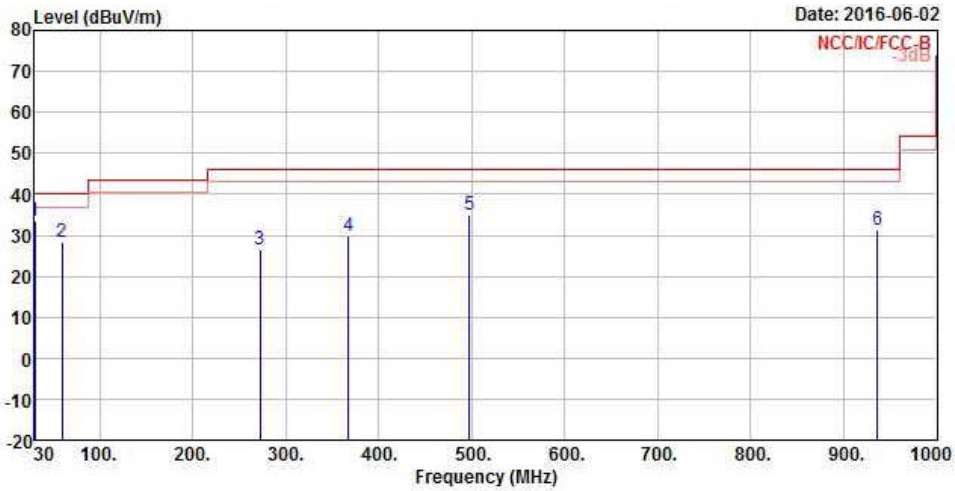
Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2462
N_{TX}	1	**Remark**	Peak



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2458.800	99.10	25.10	74.00	102.74	27.19	4.32	35.15	Peak
2	2484.200	61.75	-12.25	74.00	65.30	27.26	4.35	35.16	Peak

Transmitter Radiated Unwanted Emissions (Below 1GHz)

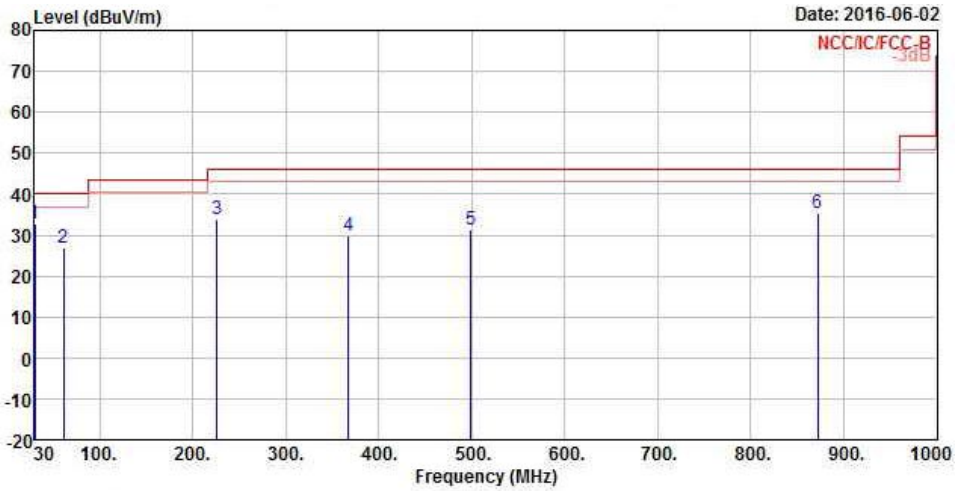
Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	1	**Polarization**	V
Operating Function	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	30.000	33.36	-6.64	40.00	45.56	24.90	0.32	37.42	Peak
2	59.100	28.48	-11.52	40.00	53.85	11.28	0.47	37.12	Peak
3	272.500	26.48	-19.52	46.00	43.41	18.55	0.92	36.40	Peak
4	367.560	29.67	-16.33	46.00	44.45	20.72	1.07	36.57	Peak
5	497.540	34.90	-11.10	46.00	47.32	23.26	1.29	36.97	Peak
6	935.980	31.29	-14.71	46.00	37.37	29.62	1.83	37.53	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

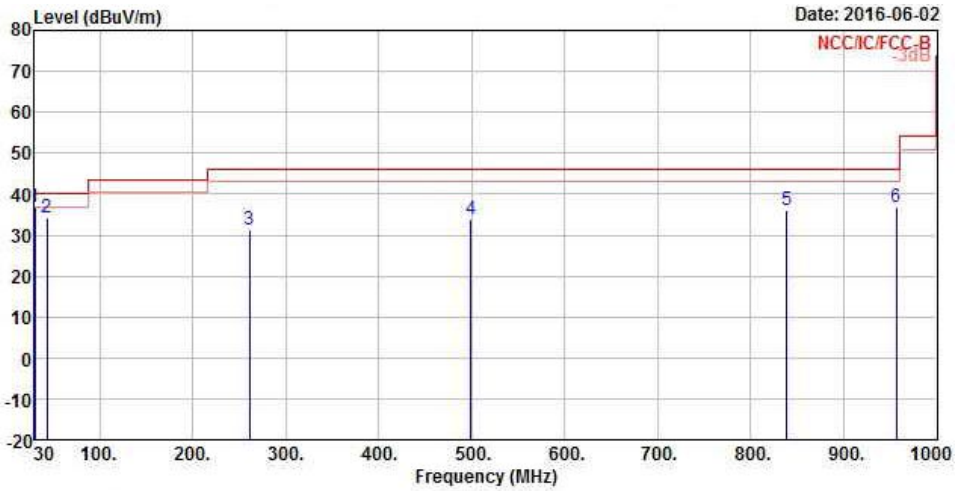
Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	1	**Polarization**	H
Operating Function	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	30.000	32.76	-7.24	40.00	44.96	24.90	0.32	37.42	Peak
2	61.040	26.73	-13.27	40.00	52.32	11.05	0.47	37.11	Peak
3	225.940	34.03	-11.97	46.00	53.85	15.73	0.84	36.39	Peak
4	367.560	29.92	-16.08	46.00	44.70	20.72	1.07	36.57	Peak
5	499.480	31.32	-14.68	46.00	43.72	23.29	1.29	36.98	Peak
6	871.960	35.22	-10.78	46.00	42.82	28.29	1.76	37.65	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

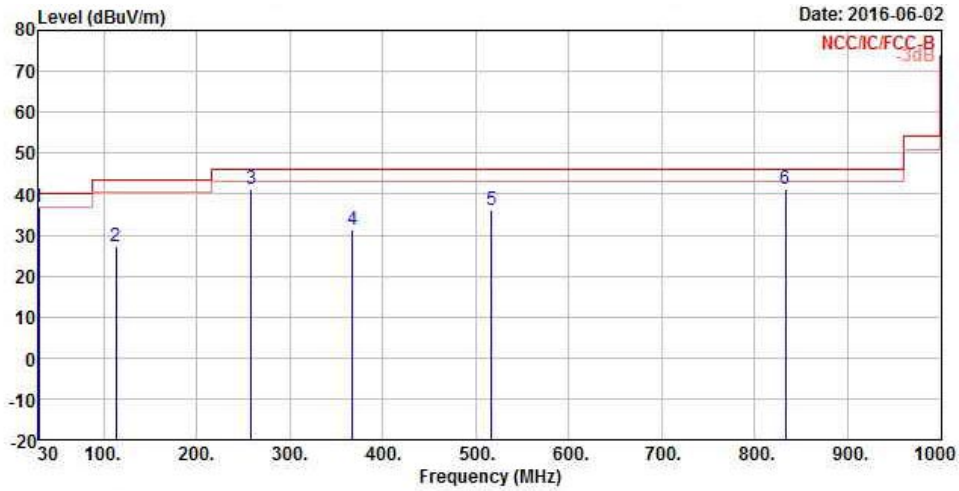
Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	2	**Polarization**	V
Operating Function	USB Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	30.000	36.94	-3.06	40.00	49.14	24.90	0.32	37.42	Peak
2	43.580	34.28	-5.72	40.00	53.77	17.40	0.38	37.27	Peak
3	260.860	31.16	-14.84	46.00	47.69	18.97	0.90	36.40	Peak
4	499.480	33.85	-12.15	46.00	46.25	23.29	1.29	36.98	Peak
5	838.980	36.08	-9.92	46.00	43.94	28.02	1.72	37.60	Peak
6	956.350	36.97	-9.03	46.00	42.51	30.05	1.85	37.44	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	2	**Polarization**	H
Operating Function	USB Mode		

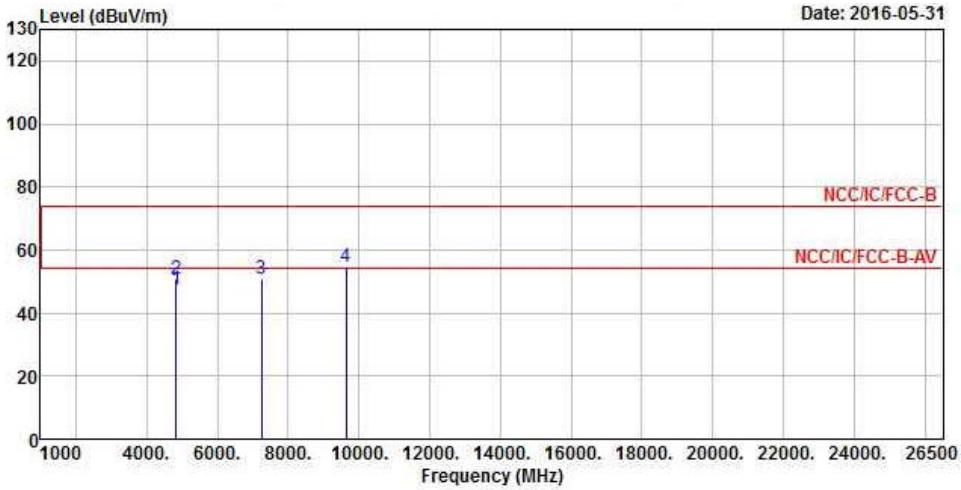


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	30.000	36.92	-3.08	40.00	49.12	24.90	0.32	37.42	Peak
2	113.420	27.10	-16.40	43.50	46.76	16.51	0.59	36.76	Peak
3	258.920	41.15	-4.85	46.00	57.76	18.89	0.90	36.40	Peak
4	367.560	31.34	-14.66	46.00	46.12	20.72	1.07	36.57	Peak
5	516.940	36.09	-9.91	46.00	48.31	23.50	1.31	37.03	Peak
6	833.160	41.11	-4.89	46.00	49.06	27.93	1.71	37.59	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Transmitter Radiated Unwanted Emissions (Above 1GHz)

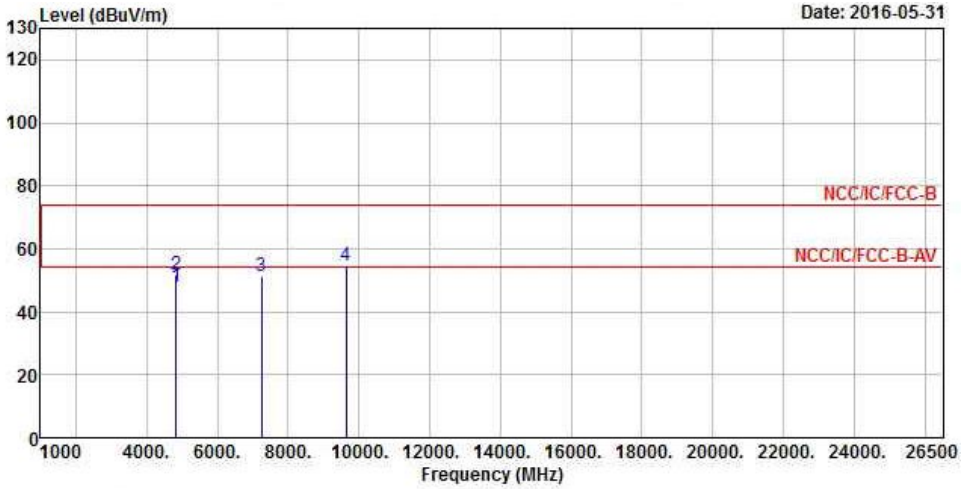
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2412
N_{TX}	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4824.000	47.60	-6.40	54.00	45.50	31.15	6.11	35.16	Average
2	4824.000	50.81	-23.19	74.00	48.71	31.15	6.11	35.16	Peak
3	7236.000	51.04			42.97	35.91	7.57	35.41	Peak
4	9648.000	54.64			43.10	38.69	8.80	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (103.51 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

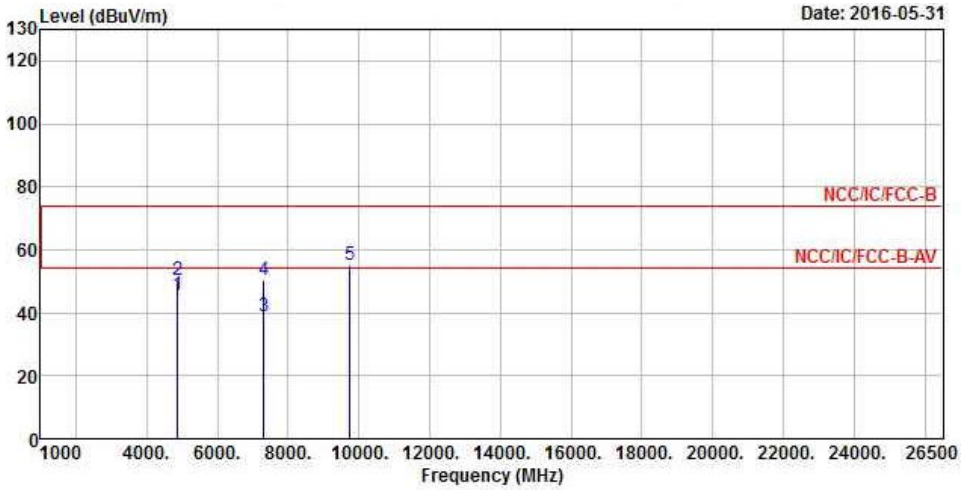
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2412
N_{TX}	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4824.000	47.80	-6.20	54.00	45.70	31.15	6.11	35.16	Average
2	4824.000	51.85	-22.15	74.00	49.75	31.15	6.11	35.16	Peak
3	7236.000	51.21			43.14	35.91	7.57	35.41	Peak
4	9648.000	54.84			43.30	38.69	8.80	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (103.51dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

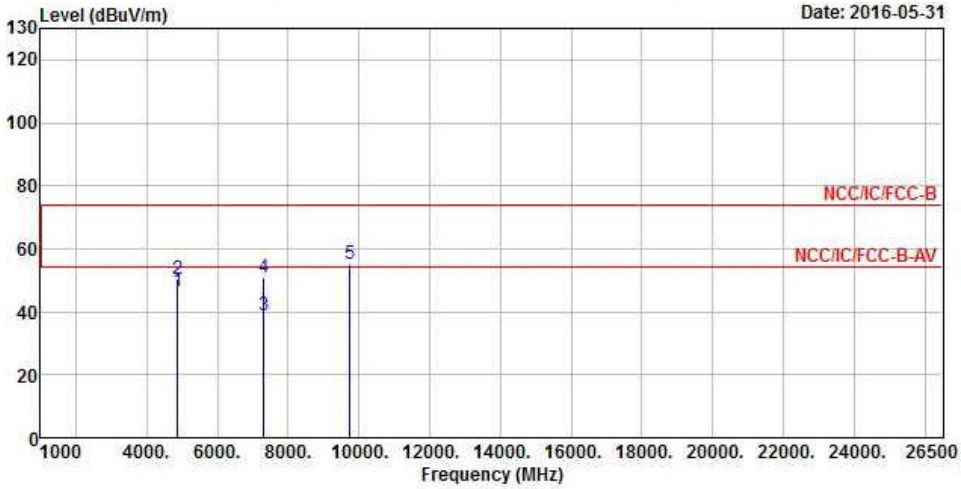
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2437
N_{TX}	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4874.000	45.60	-8.40	54.00	43.41	31.22	6.13	35.16	Average
2	4874.000	50.32	-23.68	74.00	48.13	31.22	6.13	35.16	Peak
3	7311.000	38.96	-15.04	54.00	30.67	36.11	7.60	35.42	Average
4	7311.000	50.56	-23.44	74.00	42.27	36.11	7.60	35.42	Peak
5	9748.000	55.10			43.41	38.75	8.89	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (104.72 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

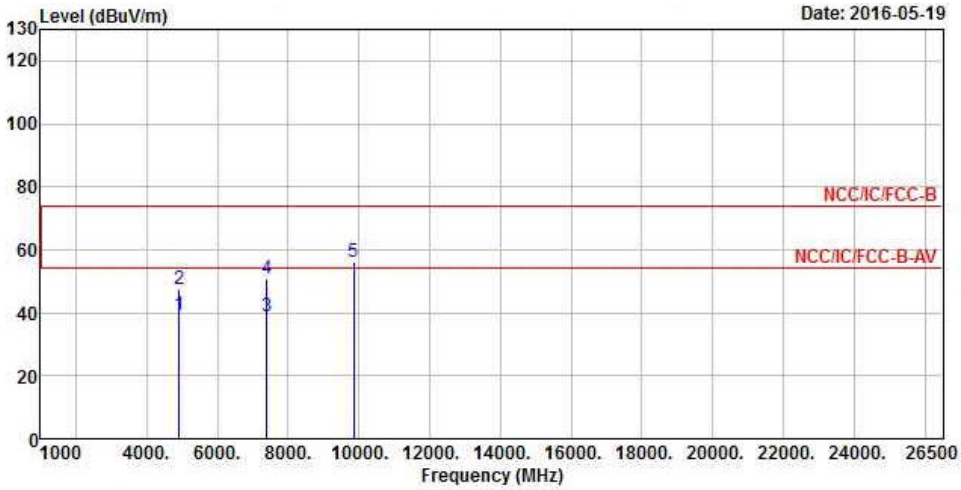
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2437
N_{TX}	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4874.000	46.31	-7.69	54.00	44.12	31.22	6.13	35.16	Average
2	4874.000	50.45	-23.55	74.00	48.26	31.22	6.13	35.16	Peak
3	7311.000	38.95	-15.05	54.00	30.66	36.11	7.60	35.42	Average
4	7311.000	50.84	-23.16	74.00	42.55	36.11	7.60	35.42	Peak
5	9748.000	55.19			43.50	38.75	8.89	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (104.72 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

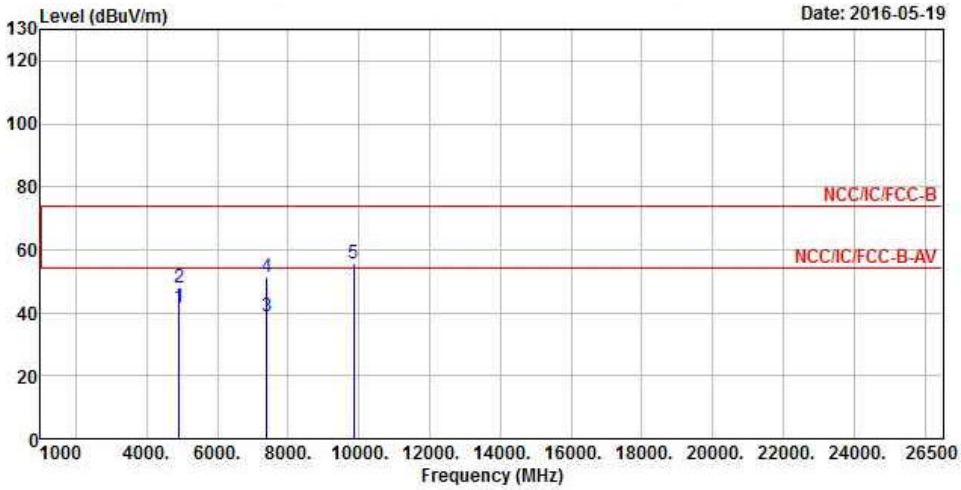
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2462
N_{TX}	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4924.000	39.32	-14.68	54.00	37.01	31.29	6.17	35.15	Average
2	4924.000	47.67	-26.33	74.00	45.36	31.29	6.17	35.15	Peak
3	7386.000	38.95	-15.05	54.00	30.45	36.30	7.63	35.43	Average
4	7386.000	50.77	-23.23	74.00	42.27	36.30	7.63	35.43	Peak
5	9848.000	55.98			44.10	38.81	9.03	35.96	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least **20** dB relative to the maximum measured in-band level (103.88 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

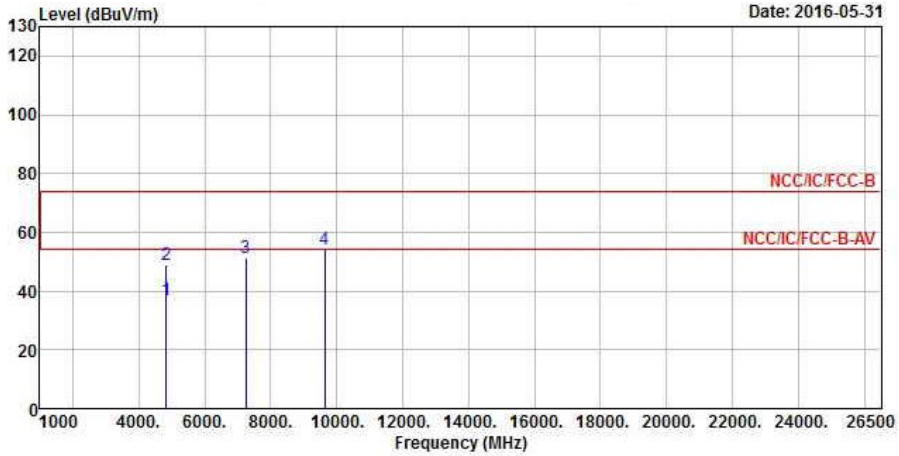
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2462
N_{TX}	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4924.000	41.66	-12.34	54.00	39.35	31.29	6.17	35.15	Average
2	4924.000	47.82	-26.18	74.00	45.51	31.29	6.17	35.15	Peak
3	7386.000	38.80	-15.20	54.00	30.30	36.30	7.63	35.43	Average
4	7386.000	51.11	-22.89	74.00	42.61	36.30	7.63	35.43	Peak
5	9848.000	55.65			43.77	38.81	9.03	35.96	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (103.88dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

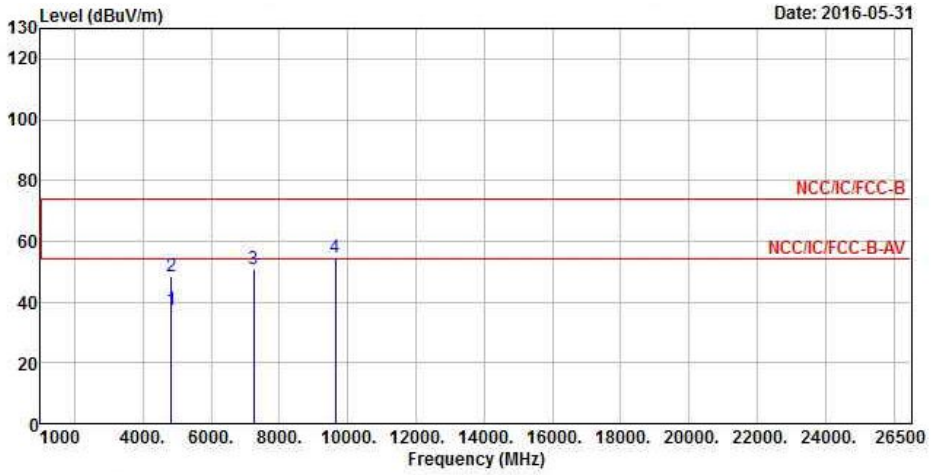
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2412
N_{TX}	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4824.000	36.73	-17.27	54.00	34.63	31.15	6.11	35.16	Average
2	4824.000	48.81	-25.19	74.00	46.71	31.15	6.11	35.16	Peak
3	7236.000	51.19			43.12	35.91	7.57	35.41	Peak
4	9648.000	54.44			42.90	38.69	8.80	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (99.22dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

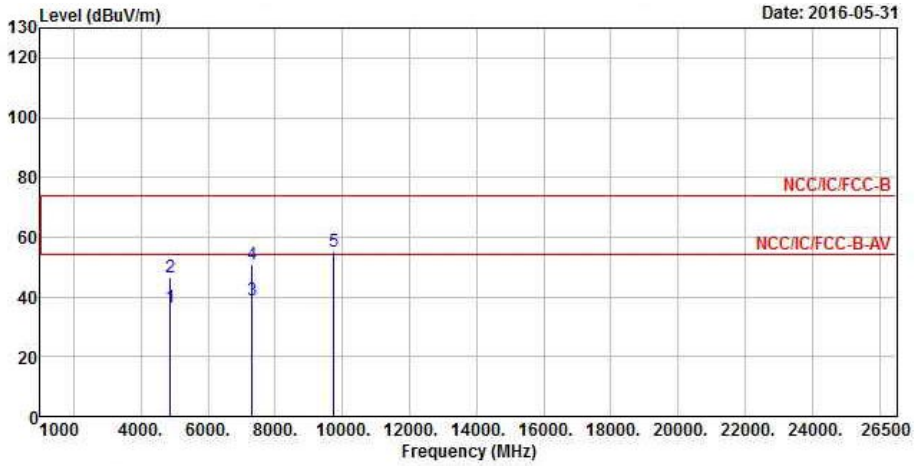
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2412
N_{TX}	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4824.000	37.33	-16.67	54.00	35.23	31.15	6.11	35.16	Average
2	4824.000	48.57	-25.43	74.00	46.47	31.15	6.11	35.16	Peak
3	7236.000	50.93			42.86	35.91	7.57	35.41	Peak
4	9648.000	54.90			43.36	38.69	8.80	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (99.22 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

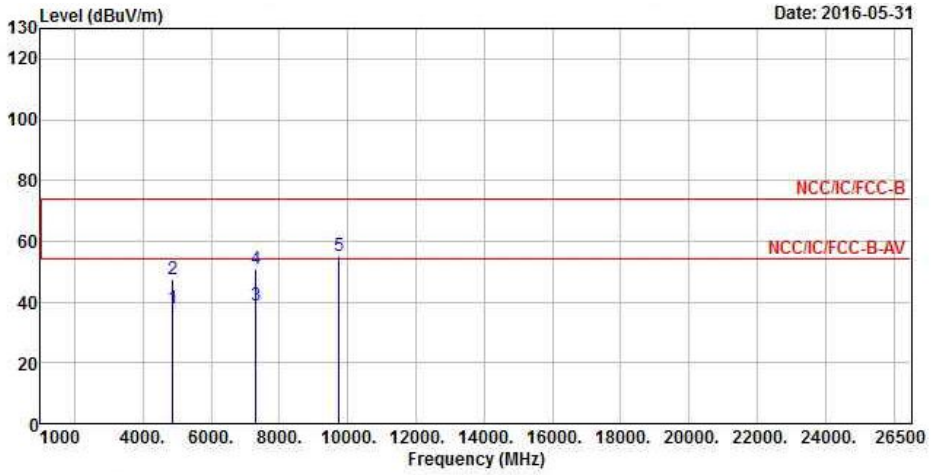
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2437
N_{TX}	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4874.000	36.45	-17.55	54.00	34.26	31.22	6.13	35.16	Average
2	4874.000	46.71	-27.29	74.00	44.52	31.22	6.13	35.16	Peak
3	7311.000	39.00	-15.00	54.00	30.71	36.11	7.60	35.42	Average
4	7311.000	51.02	-22.98	74.00	42.73	36.11	7.60	35.42	Peak
5	9748.000	55.24			43.55	38.75	8.89	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (102.08 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

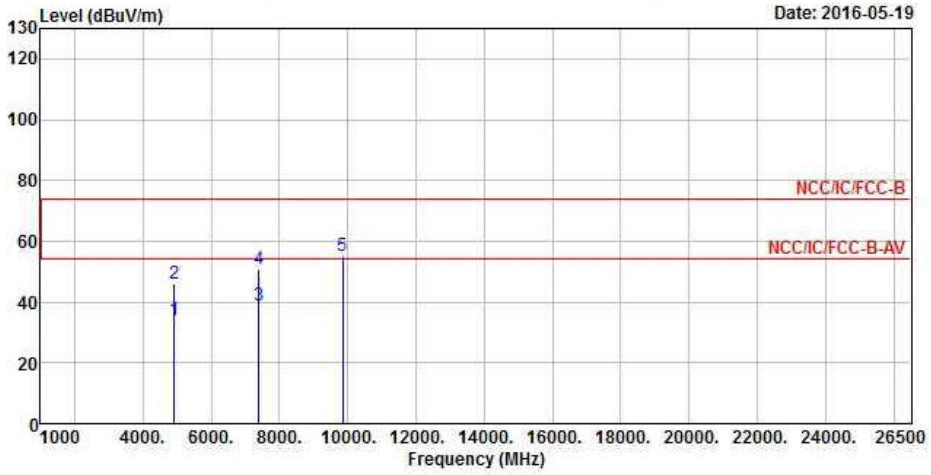
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2437
N_{TX}	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4874.000	37.92	-16.08	54.00	35.73	31.22	6.13	35.16	Average
2	4874.000	47.50	-26.50	74.00	45.31	31.22	6.13	35.16	Peak
3	7311.000	39.07	-14.93	54.00	30.78	36.11	7.60	35.42	Average
4	7311.000	50.90	-23.10	74.00	42.61	36.11	7.60	35.42	Peak
5	9748.000	55.36			43.67	38.75	8.89	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (102.08 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

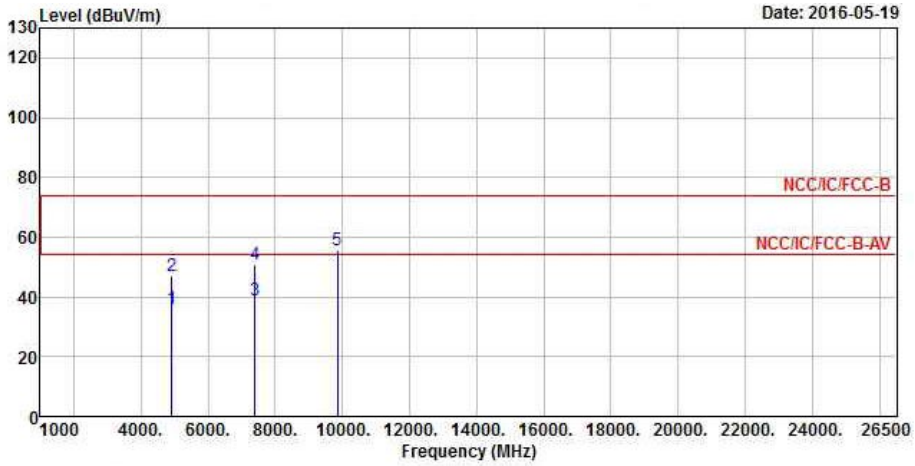
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2462
N_{TX}	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4924.000	33.86	-20.14	54.00	31.55	31.29	6.17	35.15	Average
2	4924.000	45.86	-28.14	74.00	43.55	31.29	6.17	35.15	Peak
3	7386.000	38.95	-15.05	54.00	30.45	36.30	7.63	35.43	Average
4	7386.000	51.05	-22.95	74.00	42.55	36.30	7.63	35.43	Peak
5	9848.000	55.28			43.40	38.81	9.03	35.96	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (100.47 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

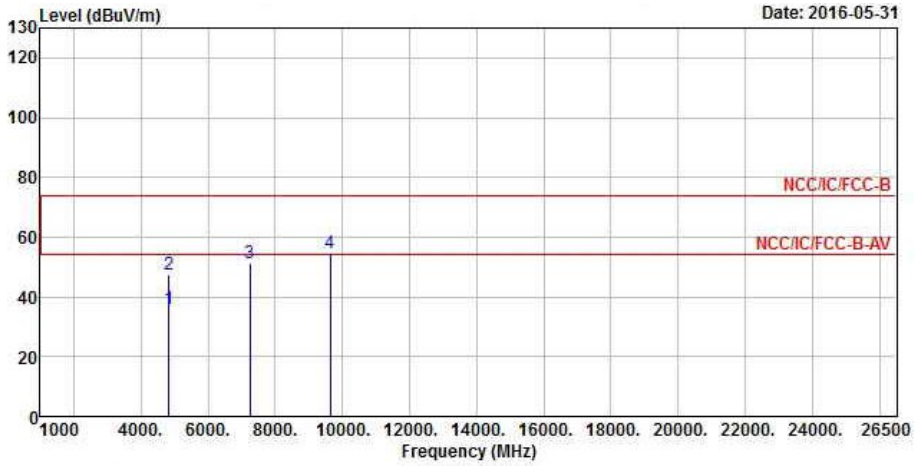
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2462
N_{TX}	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4924.000	36.06	-17.94	54.00	33.75	31.29	6.17	35.15	Average
2	4924.000	47.17	-26.83	74.00	44.86	31.29	6.17	35.15	Peak
3	7386.000	38.91	-15.09	54.00	30.41	36.30	7.63	35.43	Average
4	7386.000	50.83	-23.17	74.00	42.33	36.30	7.63	35.43	Peak
5	9848.000	55.78			43.90	38.81	9.03	35.96	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level ((100.47 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

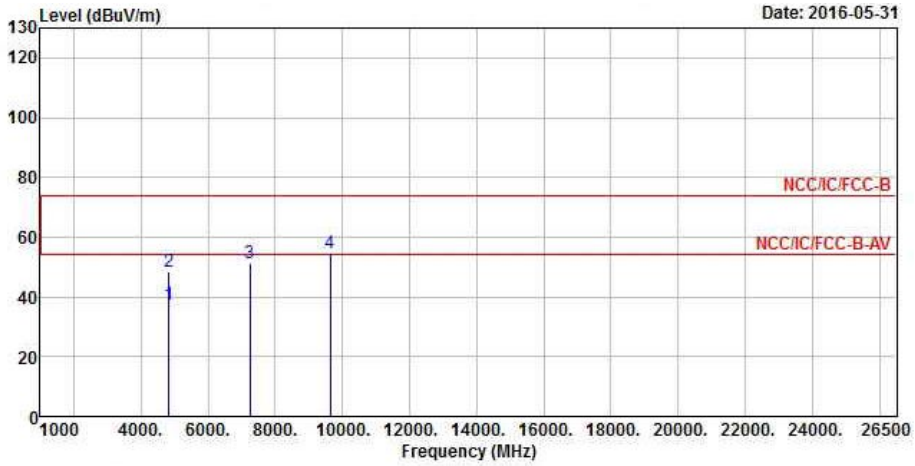
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2412
N_{TX}	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4824.000	36.21	-17.79	54.00	34.11	31.15	6.11	35.16	Average
2	4824.000	47.61	-26.39	74.00	45.51	31.15	6.11	35.16	Peak
3	7236.000	51.35			43.28	35.91	7.57	35.41	Peak
4	9648.000	54.78			43.24	38.69	8.80	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (98.24 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

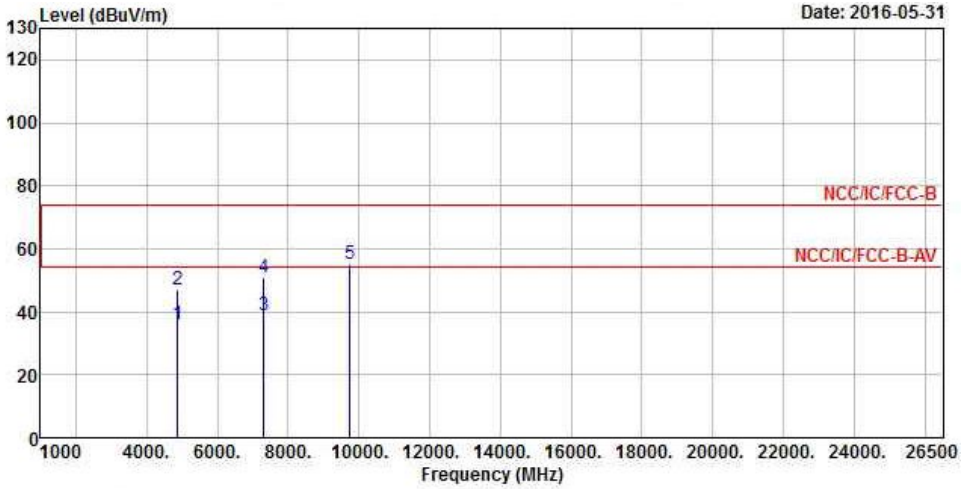
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2412
N_{TX}	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4824.000	37.57	-16.43	54.00	35.47	31.15	6.11	35.16	Average
2	4824.000	48.58	-25.42	74.00	46.48	31.15	6.11	35.16	Peak
3	7236.000	51.36			43.29	35.91	7.57	35.41	Peak
4	9648.000	54.90			43.36	38.69	8.80	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (98.24 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

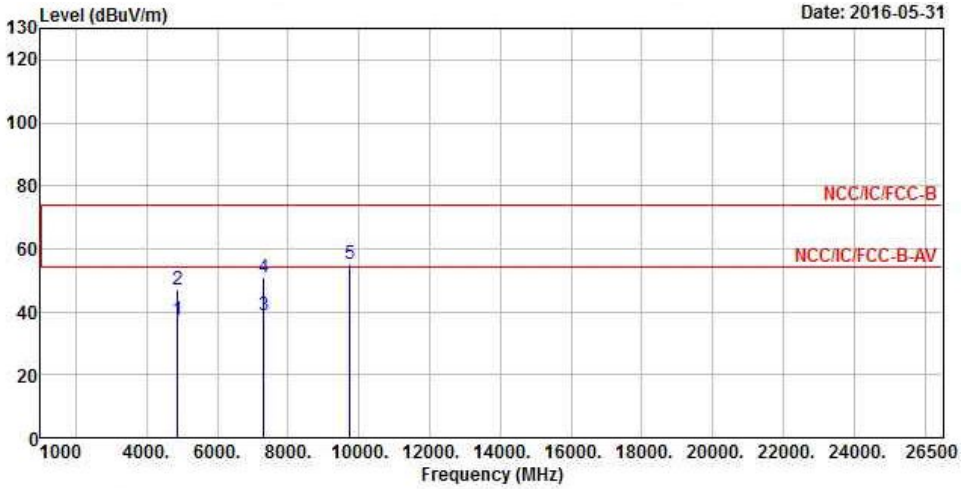
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2437
N_{TX}	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4874.000	35.95	-18.05	54.00	33.76	31.22	6.13	35.16	Average
2	4874.000	47.05	-26.95	74.00	44.86	31.22	6.13	35.16	Peak
3	7311.000	38.96	-15.04	54.00	30.67	36.11	7.60	35.42	Average
4	7311.000	50.99	-23.01	74.00	42.70	36.11	7.60	35.42	Peak
5	9748.000	55.39			43.70	38.75	8.89	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (99.91 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

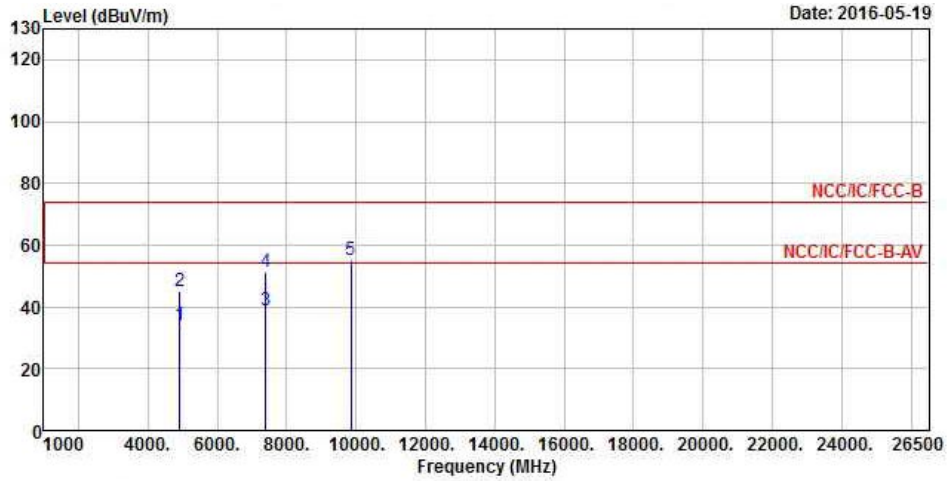
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2437
N_{TX}	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4874.000	37.40	-16.60	54.00	35.21	31.22	6.13	35.16	Average
2	4874.000	46.89	-27.11	74.00	44.70	31.22	6.13	35.16	Peak
3	7311.000	39.02	-14.98	54.00	30.73	36.11	7.60	35.42	Average
4	7311.000	50.66	-23.34	74.00	42.37	36.11	7.60	35.42	Peak
5	9748.000	54.97			43.28	38.75	8.89	35.95	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (99.91 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

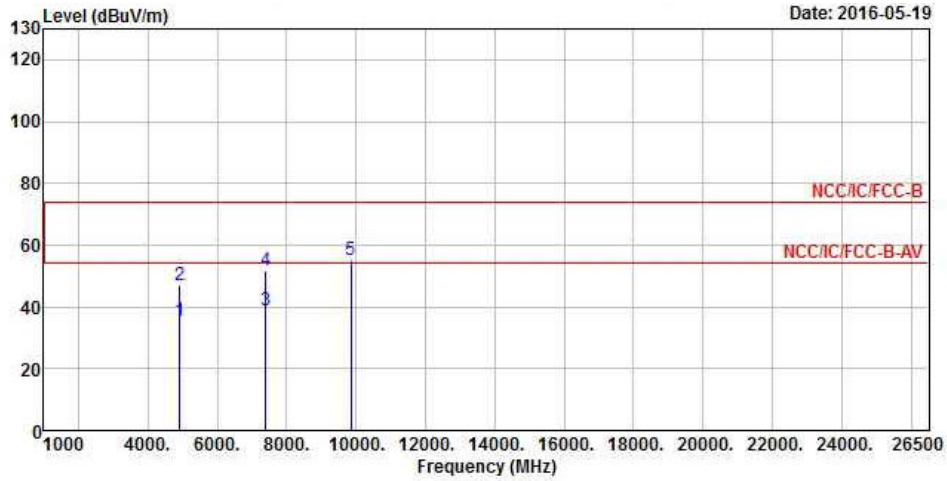
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2462
N_{TX}	1	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4924.000	33.86	-20.14	54.00	31.55	31.29	6.17	35.15	Average
2	4924.000	45.13	-28.87	74.00	42.82	31.29	6.17	35.15	Peak
3	7386.000	39.09	-14.91	54.00	30.59	36.30	7.63	35.43	Average
4	7386.000	51.11	-22.89	74.00	42.61	36.30	7.63	35.43	Peak
5	9848.000	55.38			43.50	38.81	9.03	35.96	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (n20_2462 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2462
N_{TX}	1	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4924.000	35.66	-18.34	54.00	33.35	31.29	6.17	35.15	Average
2	4924.000	46.81	-27.19	74.00	44.50	31.29	6.17	35.15	Peak
3	7386.000	38.79	-15.21	54.00	30.29	36.30	7.63	35.43	Average
4	7386.000	51.70	-22.30	74.00	43.20	36.30	7.63	35.43	Peak
5	9848.000	55.27			43.39	38.81	9.03	35.96	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (n20_2462 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.