FCC Test Report

Equipment	:	**GRAPHICS TABLET COMPUTER**
Brand Name	:	**Wacom**
Model No.	:	**DTH-W1620**
FCC ID	:	**HV4DTHW1620**
Standard	:	**47 CFR FCC Part 15.247**
RF Specification	:	**Wi-Fi**
Frequency	:	**2400 MHz – 2483.5 MHz**
FCC Classification	:	**DTS**
Applicant / Manufacturer	:	**Wacom Co., Ltd.** 2-510-1 Toyonodai, Kazo-shi, Saitama 349-1148 Japan

The product sample received on Jul. 13, 2016 and completely tested on Sep. 22, 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

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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]: 0.158270MHz 61.53 (Margin 4.42dB) - QP 50.34 (Margin 5.61dB) - AV	FCC 15.203	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: 2399.892 MHz: 26.12 dB Restricted Bands [dBuV/m at 3m]: 2491.00 MHz 67.82 (Margin 6.18 dB) – PK Restricted Bands [dBuV/m at 3m]: 2485.28 MHz 52.97 (Margin 1.03 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]: 7311.000MHz 51.42 (Margin 2.58 dB) - AV 57.07 (Margin 16.93 dB) - PK	Non-Restricted Bands:> 20 dBc Restricted Bands: FCC 15.209	Complied

Revision History

Report No.	Version	Description	Issued Date
FR662241AC	Rev. 01	Initial issue of report	Oct. 03, 2016
FR662241AC	Rev. 02	Revise the description of operating mode Update Photographs of EUT	Oct. 15, 2016

1 General Description

1.1 Information

1.1.1 RF General Information

Band	Mode	BWch (MHz)	Channel Number	Nss-Min	Nant
2.4G	11b	20	1-11[11]	1	2
2.4G	11g	20	1-11[11]	1	2
2.4G	HT20	20	1-11[11]	1,(M0-15)	2
2.4G	HT40	40	3-9[7]	1,(M0-15)	2

Note:
- 2.4G is the 2.4GHz Band (2.4-2.4835GHz).
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 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).

No.	Ant. Cat.	Ant. Type	Gain (dBi)
1	Integral	PIFA	0.9
2	Integral	PIFA	-1.76

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)**
☒ 99.3% - IEEE 802.11b	0.03
☒ 94.7% - IEEE 802.11g	0.24
☒ 95.4% - IEEE 802.11n (HT20)	0.20
☒ 84.2% - IEEE 802.11n (HT40)	0.75

1.1.5 EUT Operational Condition

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

1.1.6 EUT Operate Information

Items	Description			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Operate Condition	☒	Point-to-multipoint (P2M)	☐	Point-to-point (P2P)

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
- KDB 558074 D01 v03r05
- KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location						
☒	HWA YA	ADD :	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.			
		TEL :	886-3-327-3456	FAX :	886-3-327-0973	
Test Condition		**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**	
AC Conduction		CO04-HY	Ryan	22°C / 54%	09/08/2016	
RF Conducted		TH01-HY	Ryan	24.5°C / 66.5%	22/09/2016	
Radiated		03CH09-HY	Thor Wei	24.4°C / 61.3%	18/08/2016	

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	2	1-11 Mbps	1 Mbps
11g	2	6-54 Mbps	6 Mbps
HT20	2	MCS 0-15	MCS 0
HT40	2	MCS 0-15	MCS 0

Note 1: IEEE Std. 802.11n modulation consists of HT20 and HT40 (HT: High Throughput). The EUT support HT20 and HT40. 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/HT40: IEEE 802.11n

2.2 Test Channel Mode

Test Software Version	DRTU V1.8.3

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
2.4G	11b	20	1	2	2412	L	11.5
2.4G	11b	20	1	2	2437	M	11.5
2.4G	11b	20	1	2	2462	H	11.5
2.4G	11g	20	1	2	2412	L	10.75
2.4G	11g	20	1	2	2437	M	10.625
2.4G	11g	20	1	2	2462	H	10.75
2.4G	HT20	20	1,(M0)	2	2412	L	10.75
2.4G	HT20	20	1,(M0)	2	2437	M	10.75
2.4G	HT20	20	1,(M0)	2	2462	H	10.875
2.4G	HT40	40	1,(M0)	2	2422	L	11.25
2.4G	HT40	40	1,(M0)	2	2437	M	11.25
2.4G	HT40	40	1,(M0)	2	2452	H	11.125

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
2.4G	HT40	40	1,(M0-15)	2	2437	M	TN,VN	2.4G;HT40;40;1,(M0-15);2;2437;M;TN,VN

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

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	HT40 2437MHz, Adapter with charging mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth, Fundamental Emission Output Power, Power Spectral Density
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Non-restricted Frequency Bands 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 will be a hand-held or body-worn battery-powered devices and operating multiple positions.		
Operating Mode < 1GHz	☒ 1. HT40 2437MHz, Adapter with charging mode		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
Worst Planes of EUT		V	

2.4 Accessories and Support Equipment

Accessories				
AC Adapter	Brand Name	DELTA	Model Name	ADP-100PB B
	Power Rating	I/P: 100 - 240Vac, 1.8A, O/P: 5V/3A or 20V/5A		
Touch Pen	Brand Name	Wacom	Model Name	KP-504E
WLAN/BT Module	Brand Name	Intel	Model Name	8260NGW
GPS chip	Brand Name	BROADCOM	Model Name	BCM4752IFBG

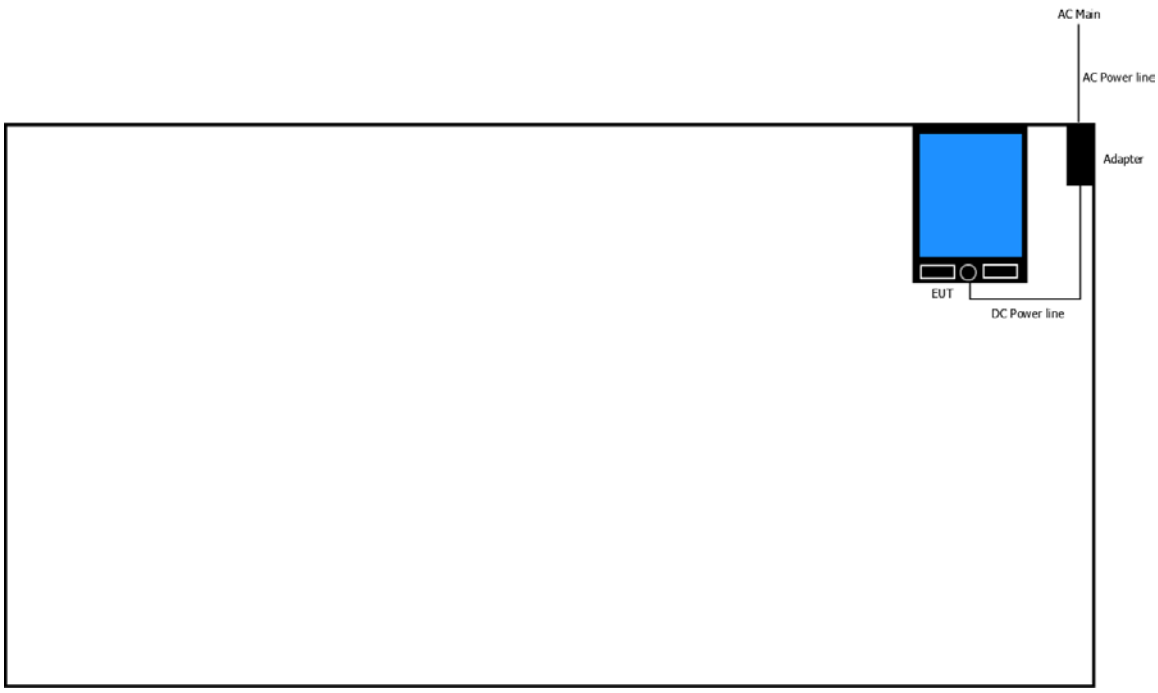
Reminder: Regarding to more detail and other information, please refer to user manual.

Support Equipment - RF Conducted			
No.	**Equipment**	**Brand Name**	**Model Name**
1	-	-	-

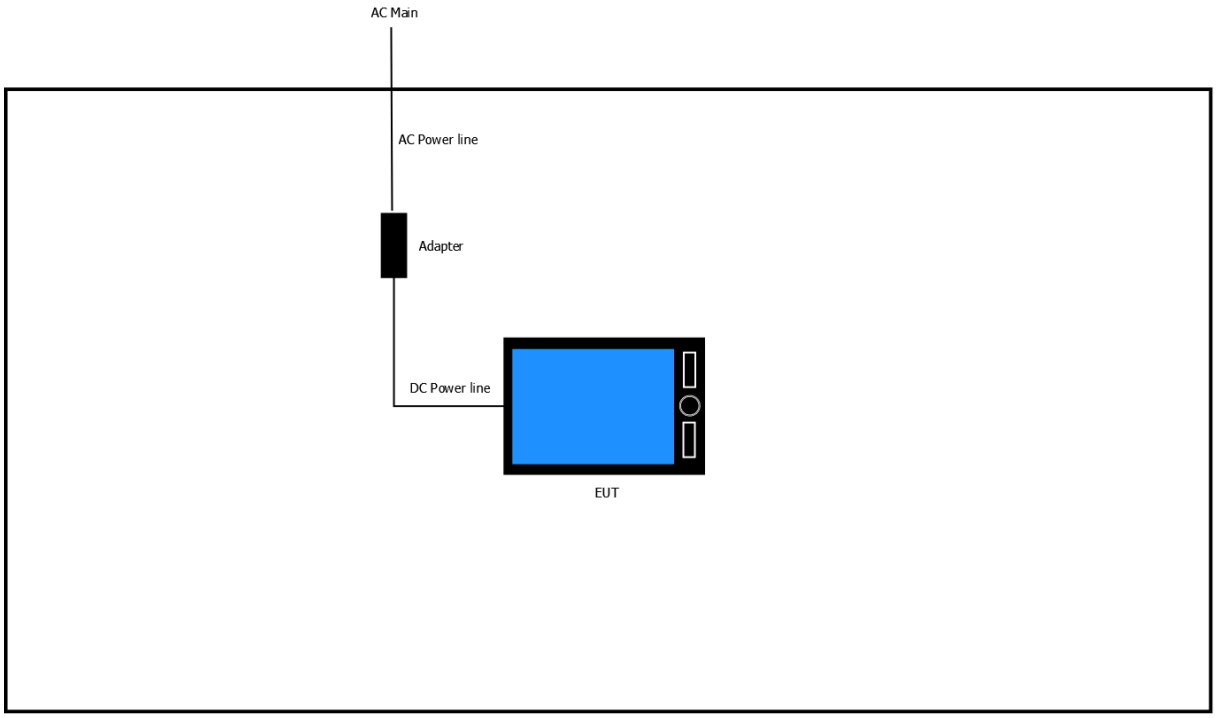
Support Equipment - AC Conduction and Radiated Emission			
No.	**Equipment**	**Brand Name**	**Model Name**
1	-	-	-

2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Test Setup Diagram - Radiated Test



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

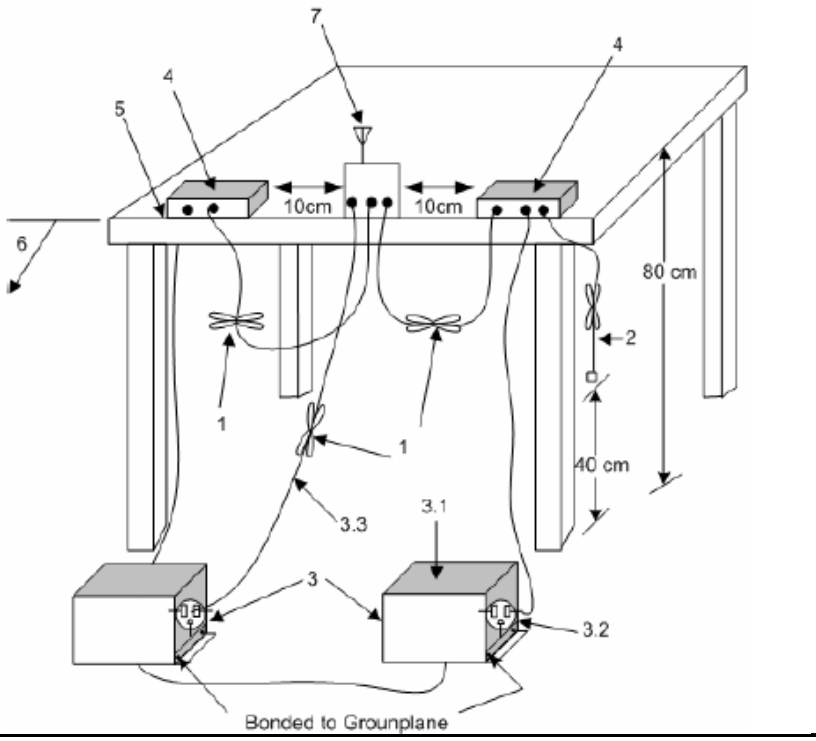
Refer a test equipment and calibration data table in this test report.

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.

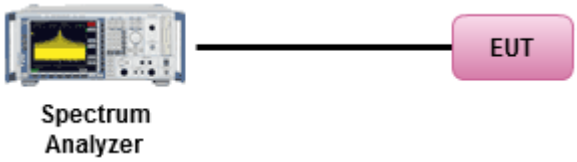
3.2.2 Measuring Instruments

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 KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as 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 KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
	☒ Refer as KDB 558074, clause 9.1.2 Option 2 (peak power meter for VBW ≥ DTS BW)
▪ Maximum Conducted Output Power	
	Duty cycle ≥ 98%
	☐ Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
	Duty cycle < 98%
	☐ Refer as 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 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]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power

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

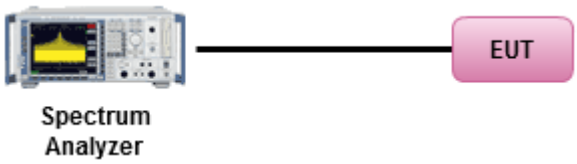
3.4.2 Measuring Instruments

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 KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).		
	Duty cycle ≥ 98%		
	☐ Refer as KDB 558074, clause 10.5 Method AVGPSD-2 (spectral trace averaging).		
	Duty cycle < 98%		
	☐ Refer as 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


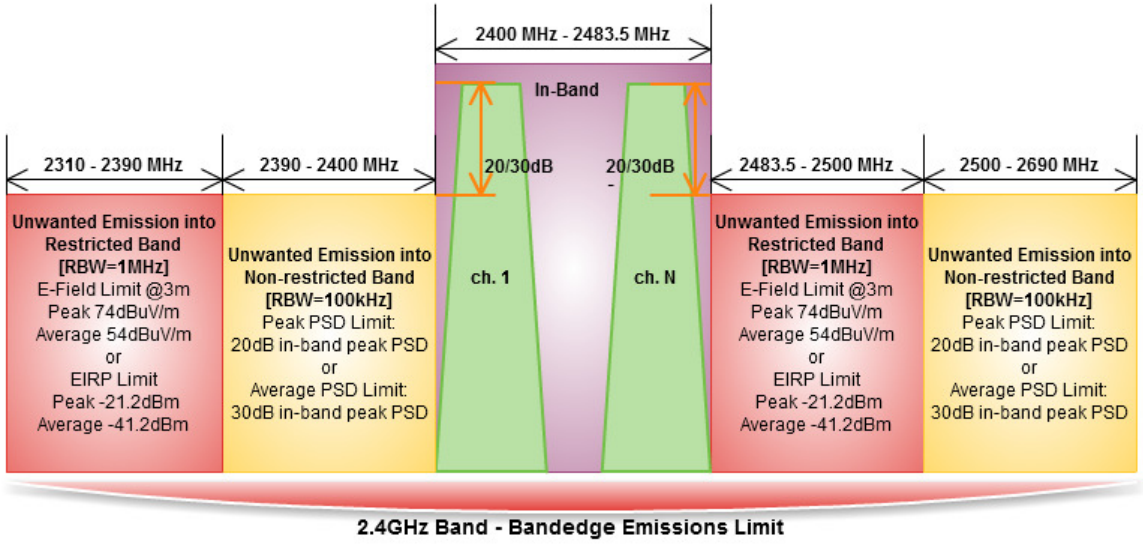
3.4.5 Test Result of Power Spectral Density

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

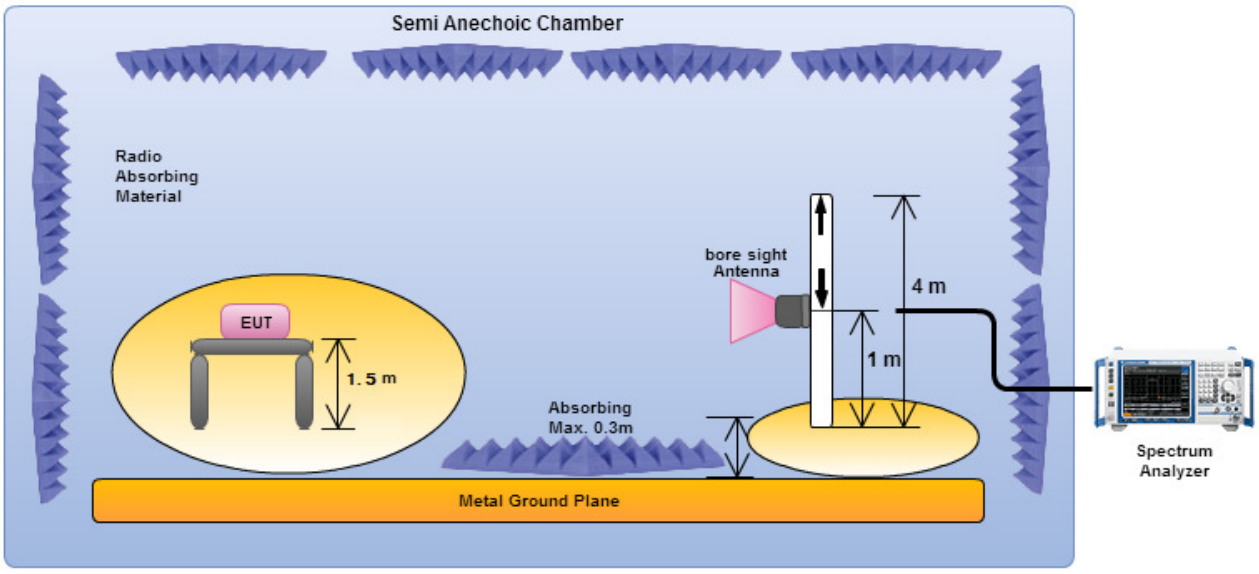
Refer a test equipment and calibration data table in this test report.

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 KDB 558074, clause 11 for unwanted emissions into non-restricted bands.	
	☒	Refer as KDB 558074, clause 12 for unwanted emissions into restricted bands.	
		☐	Refer as KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle ≥98%)
		☐	Refer as KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
		☒	Refer as 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 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 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 KDB 558074, clause 12.2.7 and ANSI C63.10, clause 6.6. Test distance is 3m.		

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

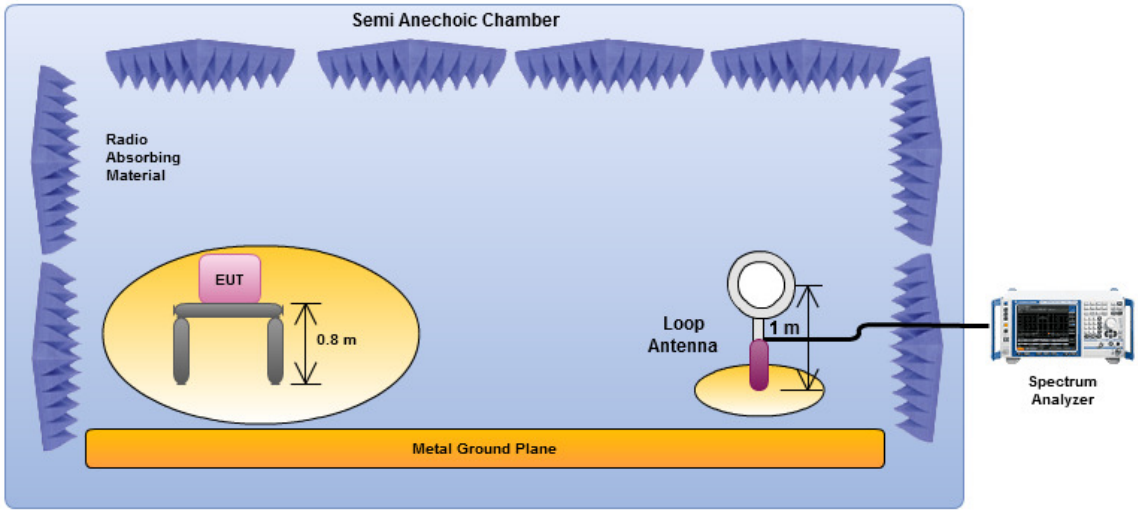
Refer a test equipment and calibration data table in this test report.

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 KDB 558074, clause 11 for unwanted emissions into non-restricted bands.	
	☒	Refer as KDB 558074, clause 12 for unwanted emissions into restricted bands.	
		☐	Refer as KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle ≥98%)
		☐	Refer as KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
		☒	Refer as 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 KDB 558074, clause 11.3 and 12.2.4 measurement procedure peak limit.
		☒	Refer as KDB 558074, clause 12.2.3 measurement procedure Quasi-Peak limit.
☒	For radiated measurement, refer as 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.		

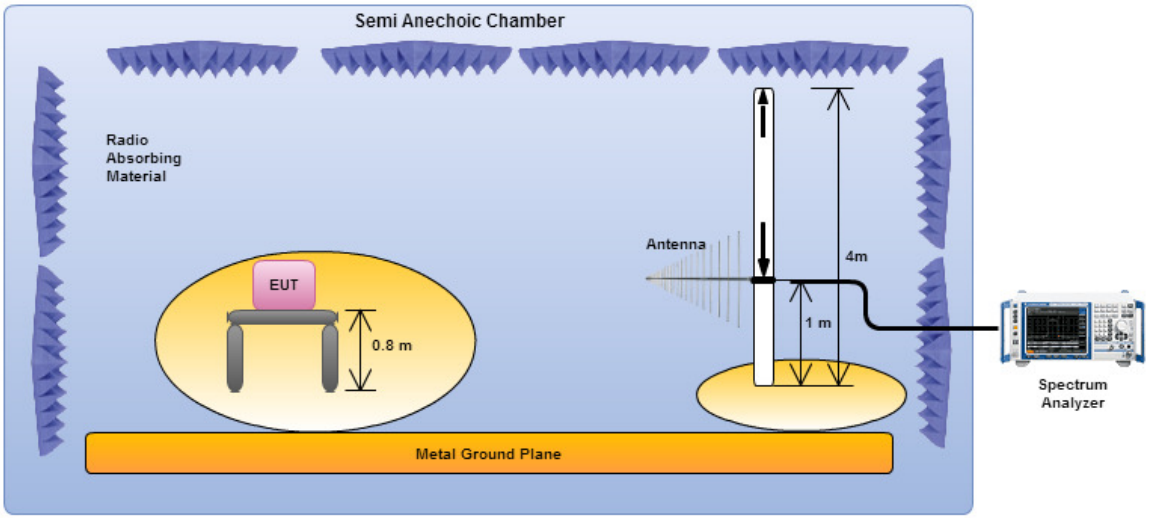
3.6.4 Test Setup

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



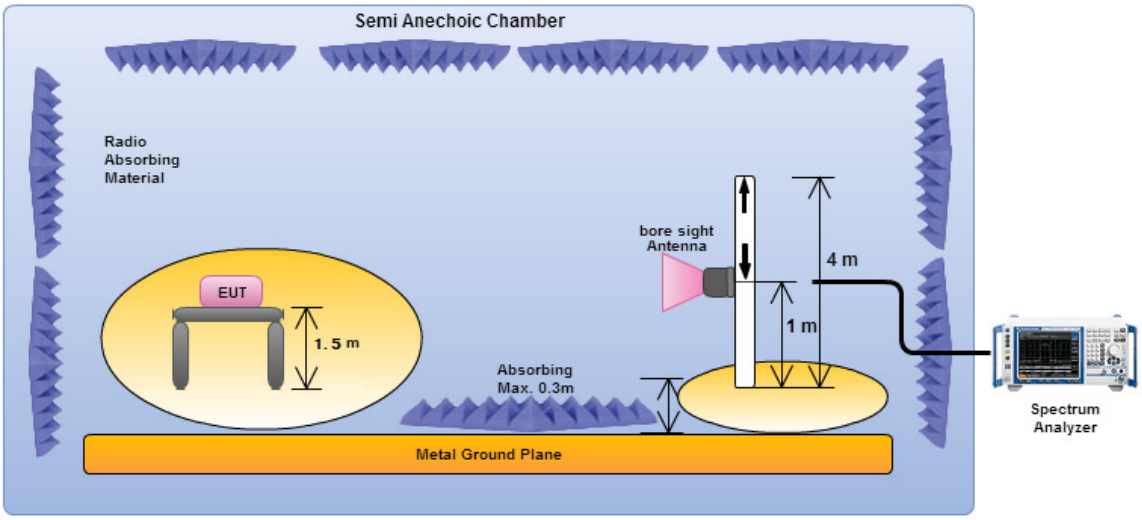
Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna.

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)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. Any spurious which has more than 20 dB of margin compared to the applicable limit is not necessarily 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	20 Hz ~ 8.4 GHz	14/04/2016	13/04/2017
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9 kHz ~ 30 MHz	26/01/2016	25/01/2017
LISN (Support Unit)	R&S	ENV216	101295	9 kHz ~ 30 MHz	04/11/2015	03/11/2016
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9 kHz ~ 30 MHz	30/10/2015	29/10/2016
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	NCR	NCR

NCR: No Calibration Require.

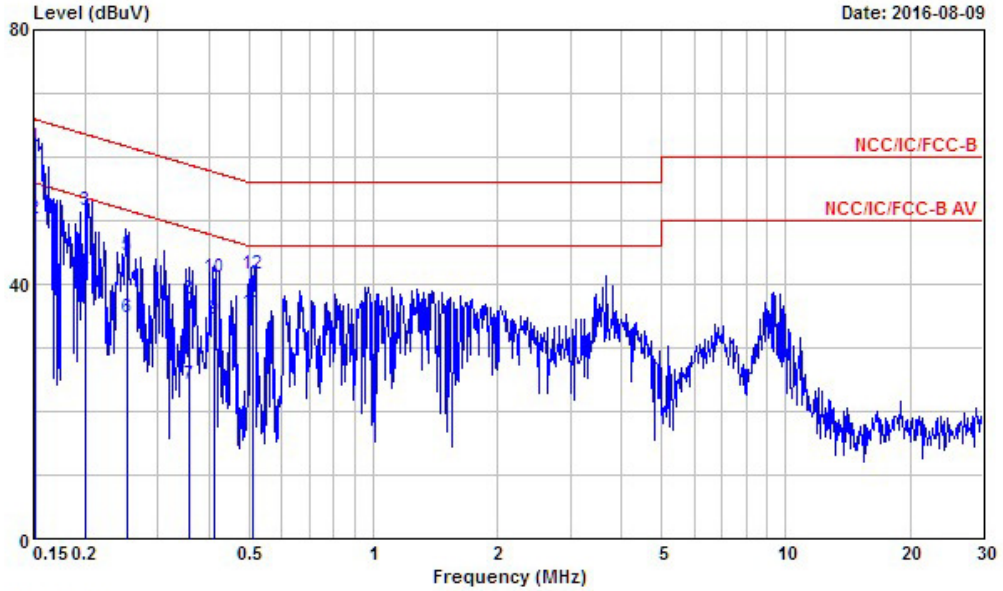
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9KHz~40GHz	16/02/2016	15/02/2017
Power Sensor	Anritsu	MA2411B	917017	300MHz ~ 40GHz	04/02/2016	03/02/2017
Power Meter	Anritsu	ML2495A	949003	300MHz ~ 40GHz	04/02/2016	03/02/2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	21/07/2016	20/07/2017

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	25/04/2016	24/04/2017
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz 3m	30/06/2016	29/06/2017
Amplifier	EMC	EMC9135	980232	9kHz ~ 1.0GHz	29/01/2016	28/01/2017
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	11/04/2016	10/04/2017
Spectrum	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	04/07/2016	03/07/2017
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL 6111D & MTJ6102	35418	30MHz ~ 1GHz	31/03/2016	30/03/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1534	1GHz ~ 18GHz	22/04/2016	21/04/2017
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170614	18GHz ~ 40GHz	04/01/2016	03/01/2017
Amplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz ~ 40GHz	02/06/2015	01/06/2017
Loop Antenna	ROHDE&SCHWARZ	HFH2-Z2	100330	9 kHz~30 MHz	10/11/2014	09/11/2016

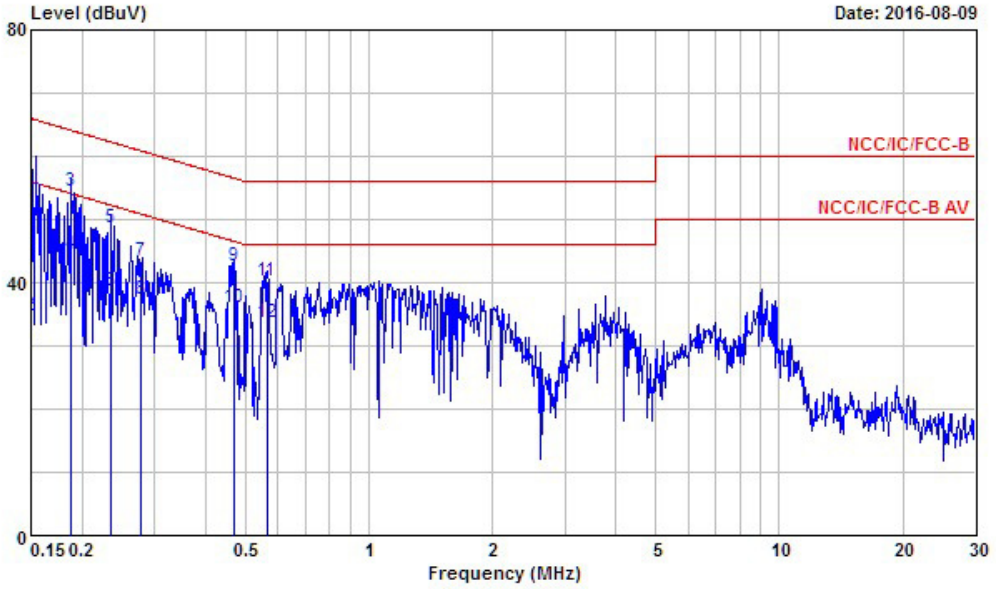
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	HT40 2437MHz, Adapter with charging mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	@0.1508270	61.53	-4.42	65.95	61.20	0.11	0.22	QP
2	@0.1508270	50.34	-5.61	55.95	50.01	0.11	0.22	Average
3	0.2007470	51.57	-12.01	63.58	51.16	0.11	0.30	QP
4	0.2007470	41.87	-11.71	53.58	41.46	0.11	0.30	Average
5	0.2523790	44.39	-17.29	61.68	44.05	0.11	0.23	QP
6	0.2523790	34.81	-16.87	51.68	34.47	0.11	0.23	Average
7	0.3576520	24.20	-24.58	48.78	23.95	0.12	0.13	Average
8	0.3576520	37.58	-21.20	58.78	37.33	0.12	0.13	QP
9	0.4104750	34.54	-13.10	47.64	34.32	0.12	0.10	Average
10	0.4104750	41.13	-16.51	57.64	40.91	0.12	0.10	QP
11	0.5100690	35.44	-10.56	46.00	35.22	0.12	0.10	Average
12	0.5100690	41.64	-14.36	56.00	41.42	0.12	0.10	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.)

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	HT40 2437MHz, Adapter with charging mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1500000	53.54	-12.46	66.00	53.22	0.10	0.22	QP
2	0.1500000	34.77	-21.23	56.00	34.45	0.10	0.22	Average
3	0.1868450	54.43	-9.75	64.18	54.04	0.11	0.28	QP
4	0.1868450	44.53	-9.65	54.18	44.14	0.11	0.28	Average
5	0.2353310	48.66	-13.60	62.26	48.30	0.11	0.25	QP
6	0.2353310	38.72	-13.54	52.26	38.36	0.11	0.25	Average
7	0.2782930	43.39	-17.48	60.87	43.08	0.11	0.20	QP
8	0.2782930	37.26	-13.61	50.87	36.95	0.11	0.20	Average
9	0.4686110	42.64	-13.90	56.54	42.42	0.12	0.10	QP
10	0.4686110	36.02	-10.52	46.54	35.80	0.12	0.10	Average
11	0.5640910	40.27	-15.73	56.00	40.05	0.12	0.10	QP
12	0.5640910	33.76	-12.24	46.00	33.54	0.12	0.10	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.)

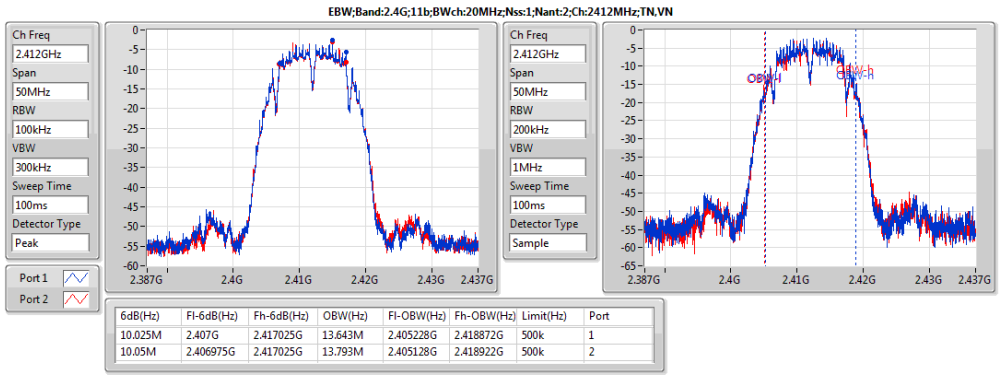
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4G;11b;20;1;2	10.1M	13.793M	13M8G1D	10.025M	13.593M
2.4G;11g;20;1;2	15.325M	16.417M	16M4D1D	12.275M	16.367M
2.4G;HT20;20;1,(M0);2	15.625M	17.616M	17M6D1D	12.275M	17.591M
2.4G;HT40;40;1,(M0);2	35.05M	36.182M	36M2D1D	32.45M	35.932M

Result

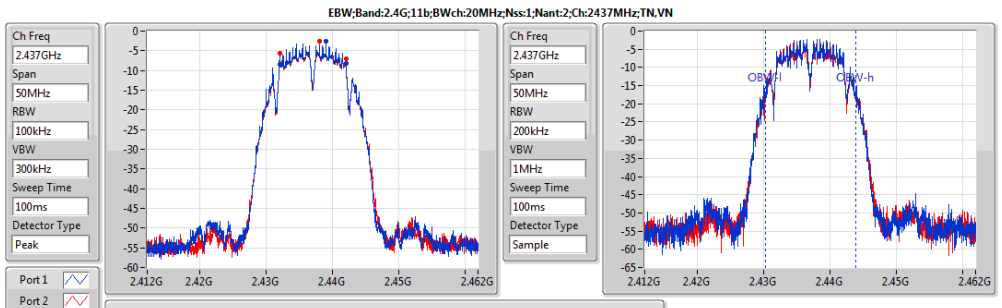
Mode	Result	Limit	P1-N dB (Hz)	P1-OBW (Hz)	P2-N dB (Hz)	P2-OBW (Hz)
2.4G;11b;20;1;2;2412;L;TN,VN	Pass	500k	10.025M	13.643M	10.05M	13.793M
2.4G;11b;20;1;2;2437;M;TN,VN	Pass	500k	10.025M	13.668M	10.05M	13.668M
2.4G;11b;20;1;2;2462;H;TN,VN	Pass	500k	10.05M	13.593M	10.1M	13.693M
2.4G;11g;20;1;2;2412;L;TN,VN	Pass	500k	15.325M	16.417M	12.275M	16.392M
2.4G;11g;20;1;2;2437;M;TN,VN	Pass	500k	14.9M	16.392M	14.35M	16.417M
2.4G;11g;20;1;2;2462;H;TN,VN	Pass	500k	15.3M	16.417M	12.525M	16.367M
2.4G;HT20;20;1,(M0);2;2412;L;TN,VN	Pass	500k	14.95M	17.616M	15.625M	17.616M
2.4G;HT20;20;1,(M0);2;2437;M;TN,VN	Pass	500k	15.075M	17.616M	15.075M	17.616M
2.4G;HT20;20;1,(M0);2;2462;H;TN,VN	Pass	500k	12.275M	17.616M	15.05M	17.591M
2.4G;HT40;40;1,(M0);2;2422;L;TN,VN	Pass	500k	35M	36.032M	34.95M	36.182M
2.4G;HT40;40;1,(M0);2;2437;M;TN,VN	Pass	500k	32.45M	36.032M	35M	36.082M
2.4G;HT40;40;1,(M0);2;2452;H;TN,VN	Pass	500k	35.05M	36.082M	32.55M	35.932M

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:2;Ch:2412MHz;TN,VN



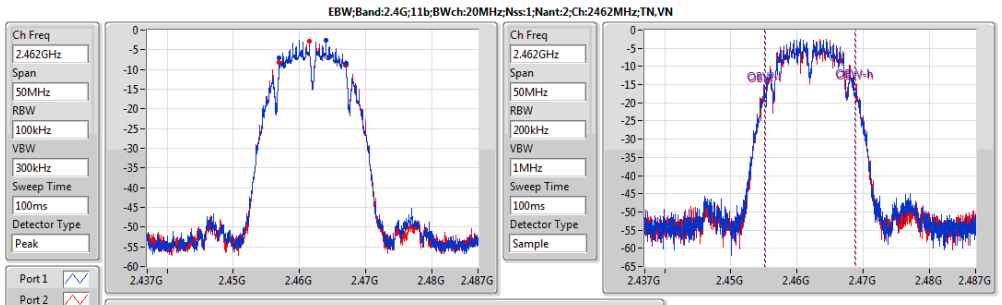
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.025M	2.407G	2.417025G	13.643M	2.405228G	2.418872G	500k	1
10.05M	2.406975G	2.417025G	13.793M	2.405128G	2.418922G	500k	2

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:2;Ch:2437MHz;TN,VN



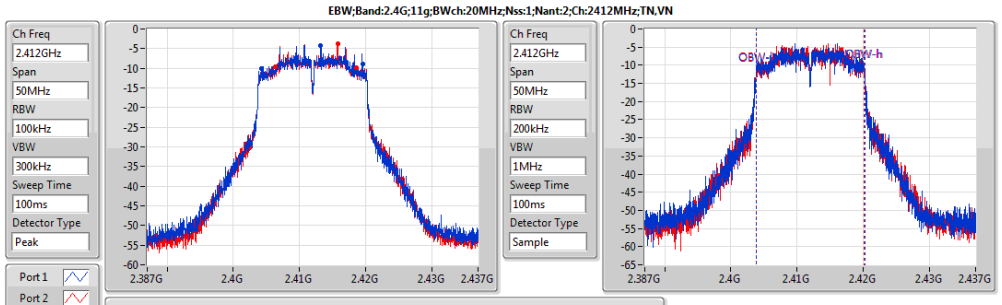
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.025M	2.432G	2.442025G	13.668M	2.430178G	2.443847G	500k	1
10.05M	2.432G	2.44205G	13.668M	2.430203G	2.443872G	500k	2

EBW;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:2;Ch:2462MHz;TN,VN



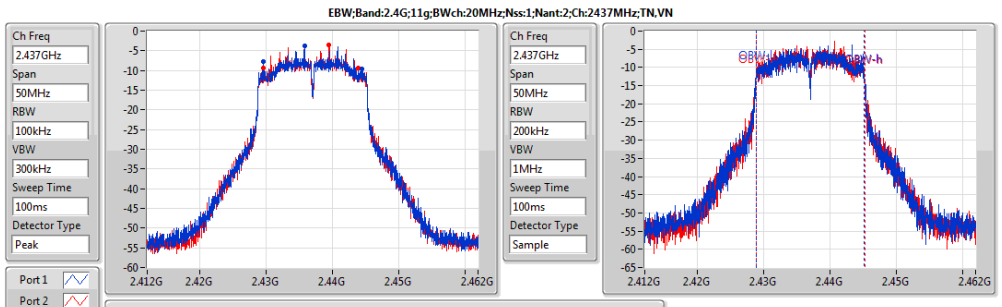
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.456975G	2.467025G	13.593M	2.455153G	2.468747G	500k	1
10.1M	2.45695G	2.46705G	13.693M	2.455178G	2.468872G	500k	2

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:2;Ch:2412MHz;TN,VN



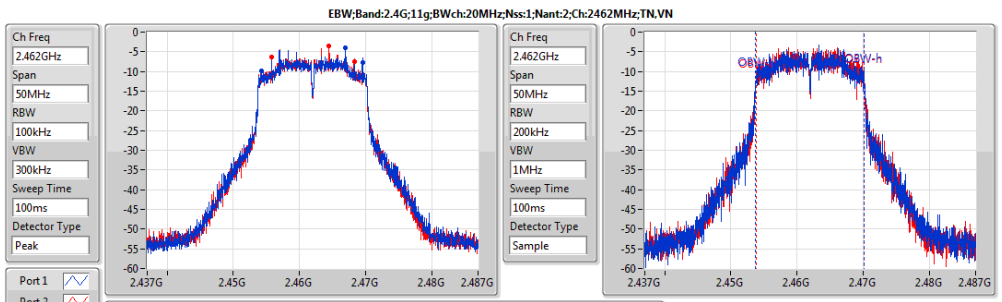
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.325M	2.40425G	2.419575G	16.417M	2.403804G	2.420221G	500k	1
12.275M	2.406375G	2.41865G	16.392M	2.403804G	2.420196G	500k	2

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:2;Ch:2437MHz;TN,VN



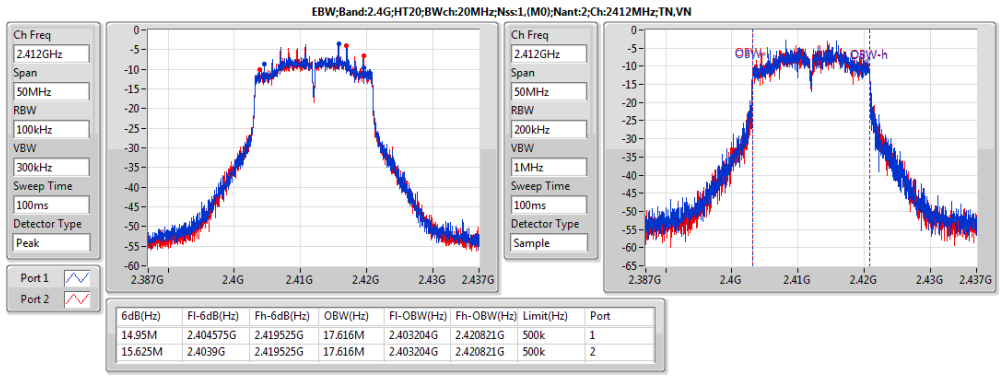
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.9M	2.42955G	2.44445G	16.392M	2.428804G	2.445196G	500k	1
14.35M	2.429575G	2.443925G	16.417M	2.428804G	2.445221G	500k	2

EBW;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:2;Ch:2462MHz;TN,VN



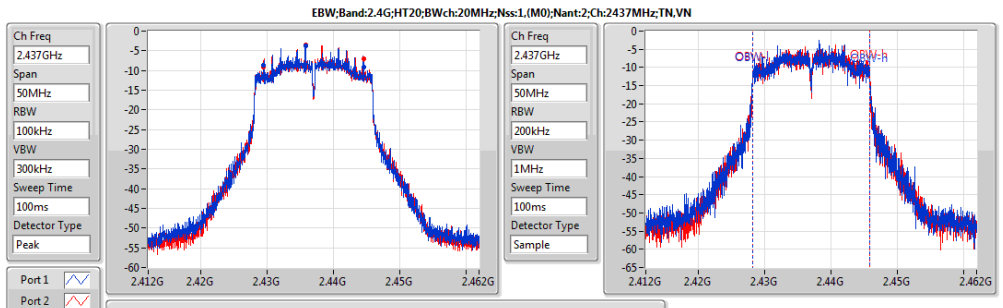
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.3M	2.45425G	2.46955G	16.417M	2.453779G	2.470196G	500k	1
12.525M	2.455775G	2.4683G	16.367M	2.453804G	2.470171G	500k	2

EBW;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TN,VN



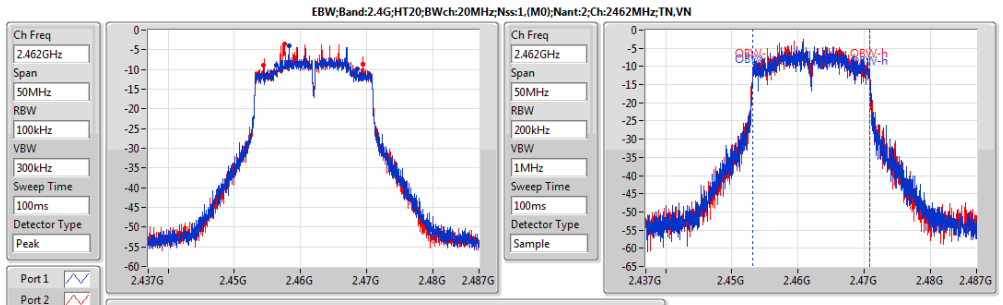
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.95M	2.404575G	2.419525G	17.616M	2.403204G	2.420821G	500k	1
15.625M	2.4039G	2.419525G	17.616M	2.403204G	2.420821G	500k	2

EBW;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TN,VN



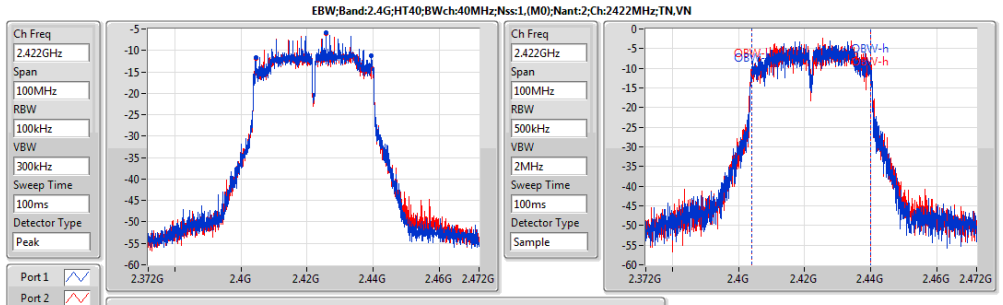
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.42945G	2.444525G	17.616M	2.428204G	2.445821G	500k	1
15.075M	2.42945G	2.444525G	17.616M	2.428204G	2.445821G	500k	2

EBW;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2462MHz;TN,VN



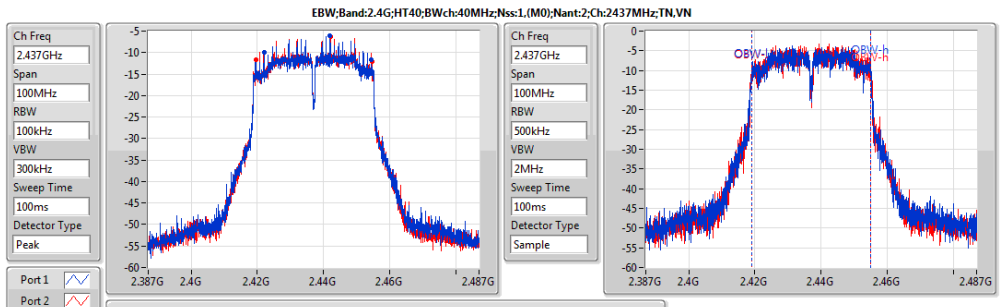
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.275M	2.456375G	2.46865G	17.616M	2.453179G	2.470796G	500k	1
15.05M	2.45445G	2.4695G	17.591M	2.453204G	2.470796G	500k	2

EBW;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2422MHz;TN,VN



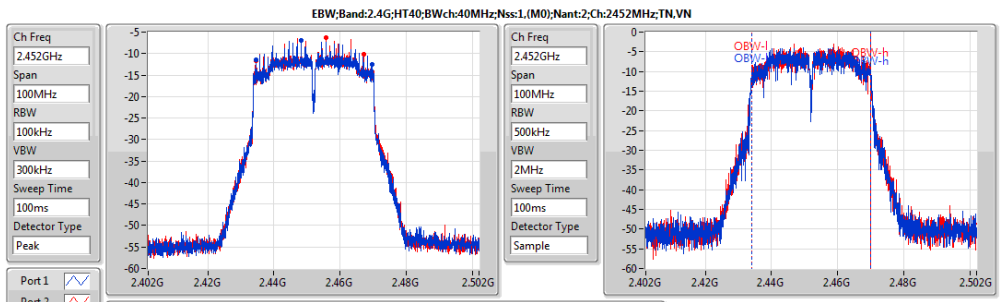
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35M	2.4045G	2.4395G	36.032M	2.404009G	2.440041G	500k	1
34.95M	2.40455G	2.4395G	36.182M	2.403909G	2.440091G	500k	2

EBW;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TN,VN



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.45M	2.422G	2.45445G	36.032M	2.419009G	2.455041G	500k	1
35M	2.41955G	2.45455G	36.082M	2.418959G	2.455041G	500k	2

EBW;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2452MHz;TN,VN



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.4345G	2.46955G	36.082M	2.434009G	2.470091G	500k	1
32.55M	2.4345G	2.46705G	35.932M	2.434059G	2.469991G	500k	2

Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
2.4G;11b;20;1;2	17.06	0.05082	17.96	0.06252
2.4G;11g;20;1;2	19.48	0.08872	20.38	0.10914
2.4G;HT20;20;1,(M0);2	19.45	0.0881	20.35	0.10839
2.4G;HT40;40;1,(M0);2	19.64	0.09204	20.54	0.11324

Result

Mode	Result	DG (dBi)	Sum (dBm)	Sum Lim. (dBm)	EIRP (dBm)	EIRP Lim. (dBm)	P1 (dBm)	P2 (dBm)
2.4G;11b;20;1;2;2412;L;TN,VN	Pass	0.90	17.06	30.00	17.96	36.00	14.21	13.88
2.4G;11b;20;1;2;2437;M;TN,VN	Pass	0.90	17.03	30.00	17.93	36.00	14.10	13.94
2.4G;11b;20;1;2;2462;H;TN,VN	Pass	0.90	16.92	30.00	17.82	36.00	13.99	13.83
2.4G;11g;20;1;2;2412;L;TN,VN	Pass	0.90	19.48	30.00	20.38	36.00	16.61	16.33
2.4G;11g;20;1;2;2437;M;TN,VN	Pass	0.90	19.39	30.00	20.29	36.00	16.51	16.24
2.4G;11g;20;1;2;2462;H;TN,VN	Pass	0.90	19.47	30.00	20.37	36.00	16.42	16.49
2.4G;HT20;20;1,(M0);2;2412;L;TN,VN	Pass	0.90	19.38	30.00	20.28	36.00	16.57	16.15
2.4G;HT20;20;1,(M0);2;2437;M;TN,VN	Pass	0.90	19.38	30.00	20.28	36.00	16.52	16.21
2.4G;HT20;20;1,(M0);2;2462;H;TN,VN	Pass	0.90	19.45	30.00	20.35	36.00	16.47	16.40
2.4G;HT40;40;1,(M0);2;2422;L;TN,VN	Pass	0.90	19.64	30.00	20.54	36.00	16.70	16.55
2.4G;HT40;40;1,(M0);2;2437;M;TN,VN	Pass	0.90	19.59	30.00	20.49	36.00	16.65	16.50
2.4G;HT40;40;1,(M0);2;2452;H;TN,VN	Pass	0.90	19.64	30.00	20.54	36.00	16.64	16.61

Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
2.4G;11b;20;1;2	13.95	0.02483	14.85	0.03055
2.4G;11g;20;1;2	13.93	0.02472	14.83	0.03041
2.4G;HT20;20;1,(M0);2	13.93	0.02472	14.83	0.03041
2.4G;HT40;40;1,(M0);2	13.89	0.02449	14.79	0.03013

Result

Mode	Result	DG (dBi)	Sum (dBm)	Sum Lim. (dBm)	EIRP (dBm)	EIRP Lim. (dBm)	P1 (dBm)	P2 (dBm)
2.4G;11b;20;1;2;2412;L;TN,VN	Pass	0.90	13.95	30.00	14.85	36.00	11.13	10.75
2.4G;11b;20;1;2;2437;M;TN,VN	Pass	0.90	13.93	30.00	14.83	36.00	11.07	10.77
2.4G;11b;20;1;2;2462;H;TN,VN	Pass	0.90	13.93	30.00	14.83	36.00	10.98	10.85
2.4G;11g;20;1;2;2412;L;TN,VN	Pass	0.90	13.93	30.00	14.83	36.00	11.08	10.75
2.4G;11g;20;1;2;2437;M;TN,VN	Pass	0.90	13.86	30.00	14.76	36.00	10.96	10.74
2.4G;11g;20;1;2;2462;H;TN,VN	Pass	0.90	13.91	30.00	14.81	36.00	10.89	10.91
2.4G;HT20;20;1,(M0);2;2412;L;TN,VN	Pass	0.90	13.86	30.00	14.76	36.00	11.01	10.68
2.4G;HT20;20;1,(M0);2;2437;M;TN,VN	Pass	0.90	13.85	30.00	14.75	36.00	10.96	10.71
2.4G;HT20;20;1,(M0);2;2462;H;TN,VN	Pass	0.90	13.93	30.00	14.83	36.00	10.96	10.88
2.4G;HT40;40;1,(M0);2;2422;L;TN,VN	Pass	0.90	13.88	30.00	14.78	36.00	10.98	10.76
2.4G;HT40;40;1,(M0);2;2437;M;TN,VN	Pass	0.90	13.86	30.00	14.76	36.00	10.95	10.74
2.4G;HT40;40;1,(M0);2;2452;H;TN,VN	Pass	0.90	13.89	30.00	14.79	36.00	10.91	10.84

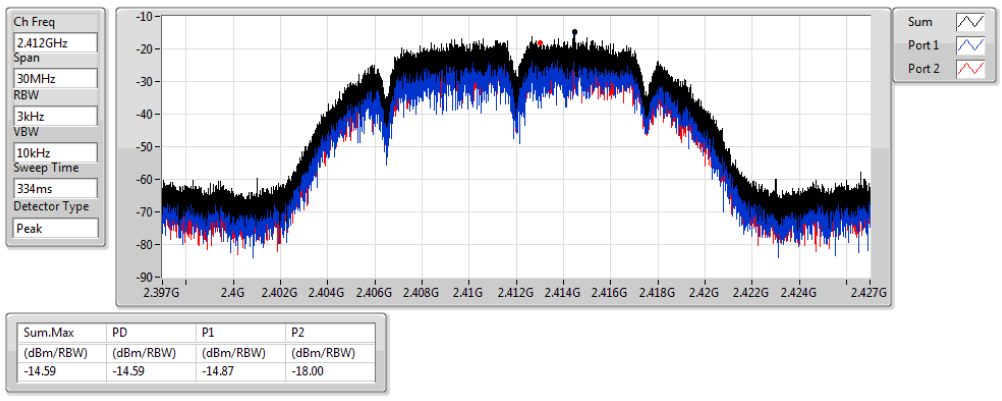
Summary

Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
2.4G;11b;20;1;2	-14.59	-11.91
2.4G;11g;20;1;2	-16.90	-14.22
2.4G;HT20;20;1,(M0);2	-16.75	-14.07
2.4G;HT40;40;1,(M0);2	-19.04	-16.36

Result

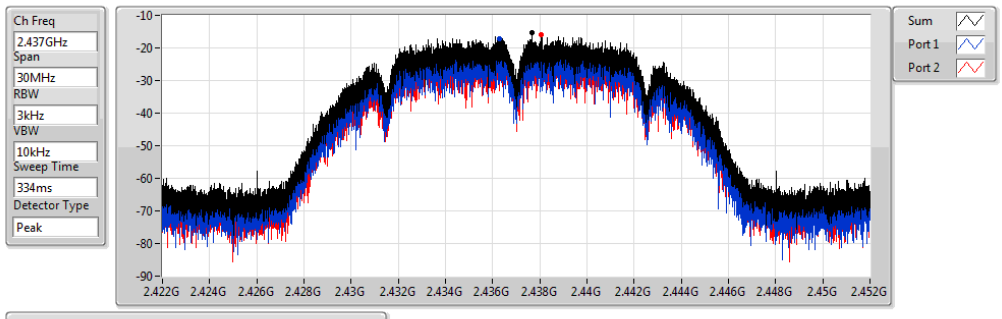
Mode	Result	Meas.RBW (Hz)	Lim.RBW (Hz)	BWCF (dB)	DG (dBi)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	EIRP.PD (dBm/RBW)	EIRP.PD.Lim (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)
2.4G;11b;20;1;2;2412;L;TN,VN	Pass	3k	3k	0.00	2.68	-14.59	8.00	-11.91	Inf	-14.87	-18.00
2.4G;11b;20;1;2;2437;M;TN,VN	Pass	3k	3k	0.00	2.68	-15.37	8.00	-12.69	Inf	-17.24	-16.04
2.4G;11b;20;1;2;2462;H;TN,VN	Pass	3k	3k	0.00	2.68	-15.21	8.00	-12.53	Inf	-17.69	-15.81
2.4G;11g;20;1;2;2412;L;TN,VN	Pass	3k	3k	0.00	2.68	-16.90	8.00	-14.22	Inf	-18.56	-19.07
2.4G;11g;20;1;2;2437;M;TN,VN	Pass	3k	3k	0.00	2.68	-17.43	8.00	-14.75	Inf	-19.19	-19.39
2.4G;11g;20;1;2;2462;H;TN,VN	Pass	3k	3k	0.00	2.68	-17.30	8.00	-14.62	Inf	-19.71	-18.90
2.4G;HT20;20;1,(M0);2;2412;L;TN,VN	Pass	3k	3k	0.00	2.68	-16.75	8.00	-14.07	Inf	-19.08	-18.97
2.4G;HT20;20;1,(M0);2;2437;M;TN,VN	Pass	3k	3k	0.00	2.68	-17.48	8.00	-14.80	Inf	-18.64	-18.05
2.4G;HT20;20;1,(M0);2;2462;H;TN,VN	Pass	3k	3k	0.00	2.68	-17.94	8.00	-15.26	Inf	-18.25	-19.63
2.4G;HT40;40;1,(M0);2;2422;L;TN,VN	Pass	3k	3k	0.00	2.68	-19.58	8.00	-16.90	Inf	-22.29	-21.54
2.4G;HT40;40;1,(M0);2;2437;M;TN,VN	Pass	3k	3k	0.00	2.68	-19.08	8.00	-16.40	Inf	-22.54	-21.68
2.4G;HT40;40;1,(M0);2;2452;H;TN,VN	Pass	3k	3k	0.00	2.68	-19.04	8.00	-16.36	Inf	-22.27	-21.20

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:2;Ch:2412MHz;TN,VN



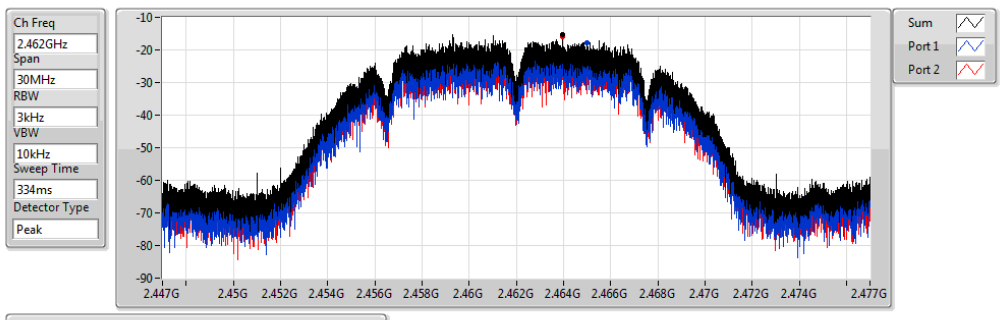
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.59	-14.59	-14.87	-18.00

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:2;Ch:2437MHz;TN,VN



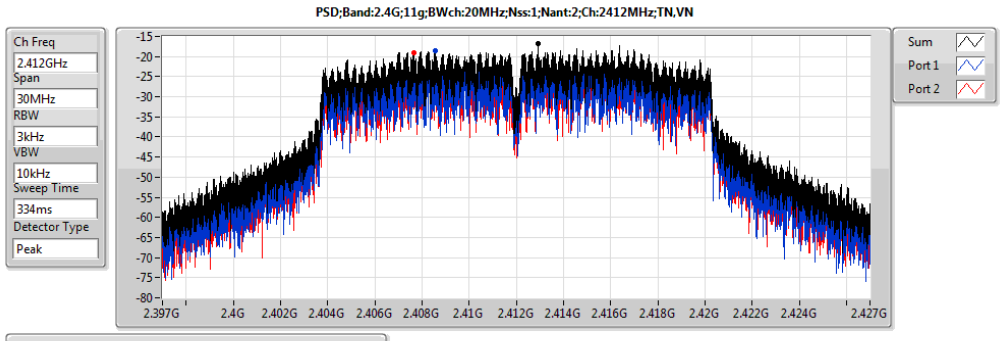
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.37	-15.37	-17.24	-16.04

PSD;Band:2.4G;11b;BWch:20MHz;Nss:1;Nant:2;Ch:2462MHz;TN,VN



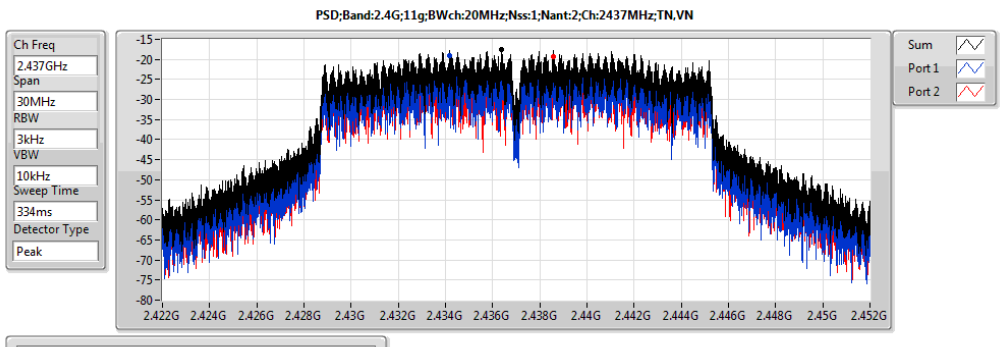
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.21	-15.21	-17.69	-15.81

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:2;Ch:2412MHz;TN,VN



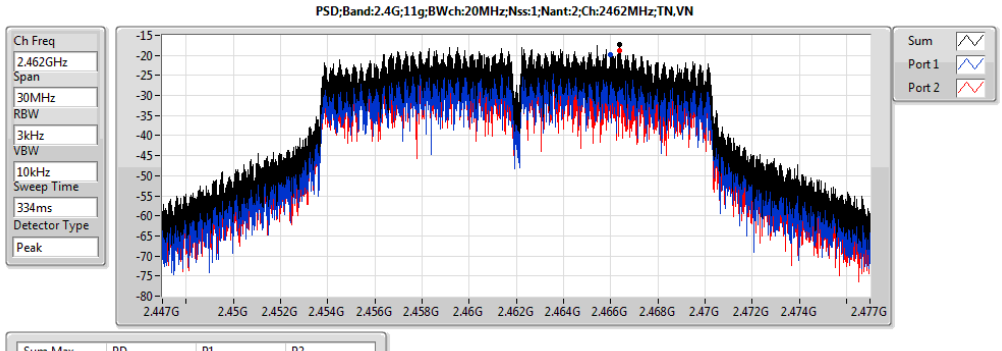
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.90	-16.90	-18.56	-19.07

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:2;Ch:2437MHz;TN,VN



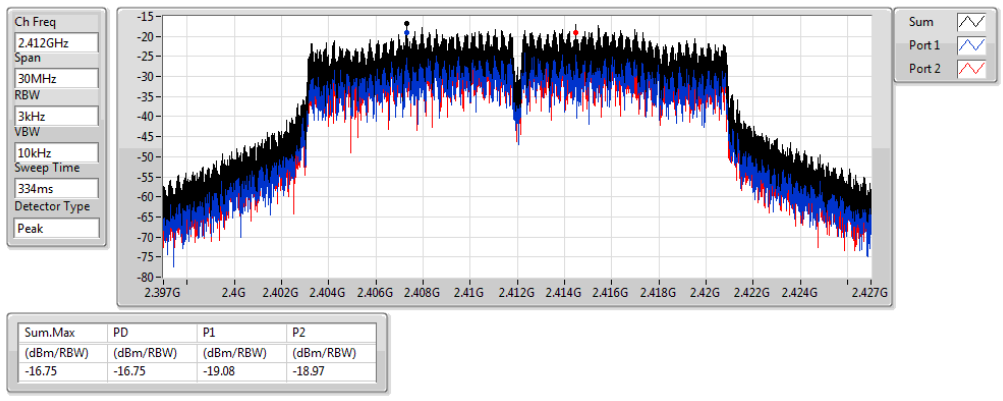
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.43	-17.43	-19.19	-19.39

PSD;Band:2.4G;11g;BWch:20MHz;Nss:1;Nant:2;Ch:2462MHz;TN,VN



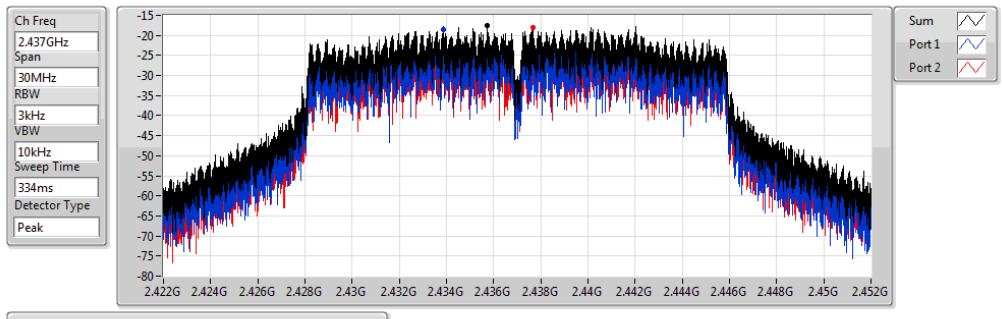
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.30	-17.30	-19.71	-18.90

PSD;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2412MHz;TN,VN



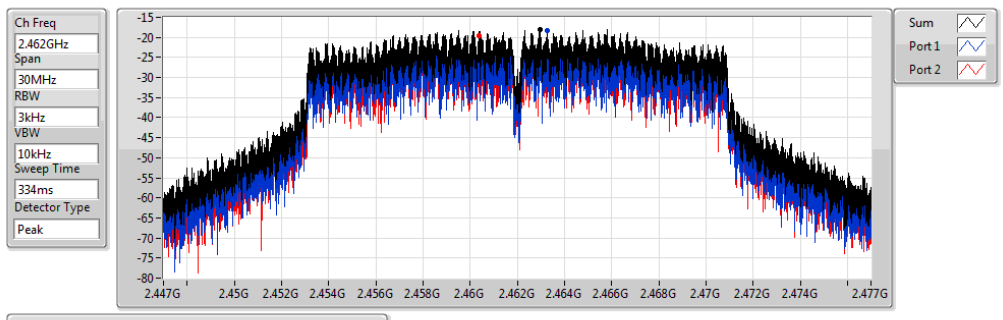
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.75	-16.75	-19.08	-18.97

PSD;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TN,VN



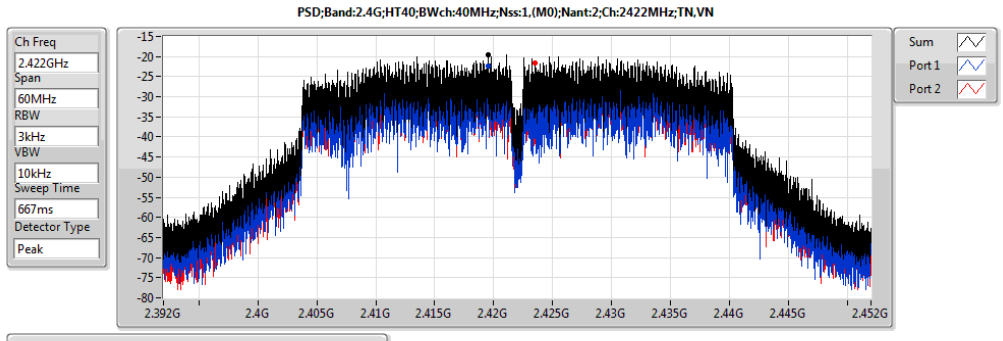
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.48	-17.48	-18.64	-18.05

PSD;Band:2.4G;HT20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:2462MHz;TN,VN



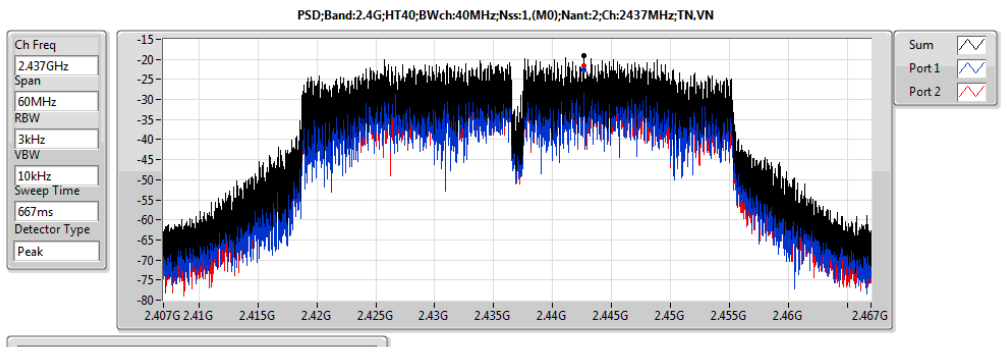
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.94	-17.94	-18.25	-19.63

PSD;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2422MHz;TN,VN



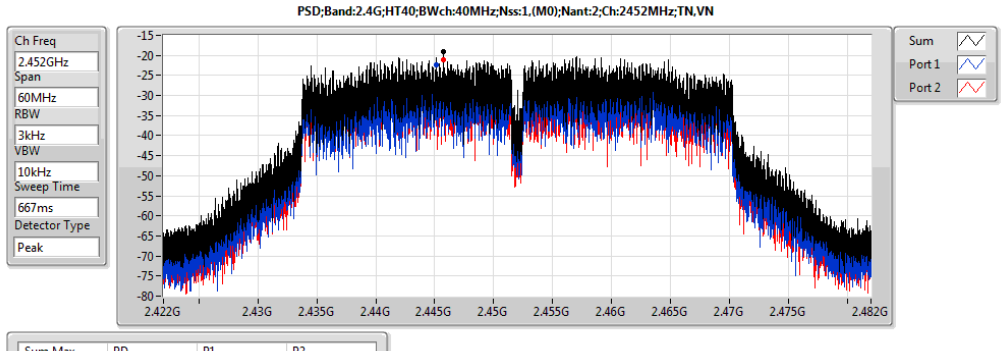
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.58	-19.58	-22.29	-21.54

PSD;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2437MHz;TN,VN



Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.08	-19.08	-22.54	-21.68

PSD;Band:2.4G;HT40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:2452MHz;TN,VN



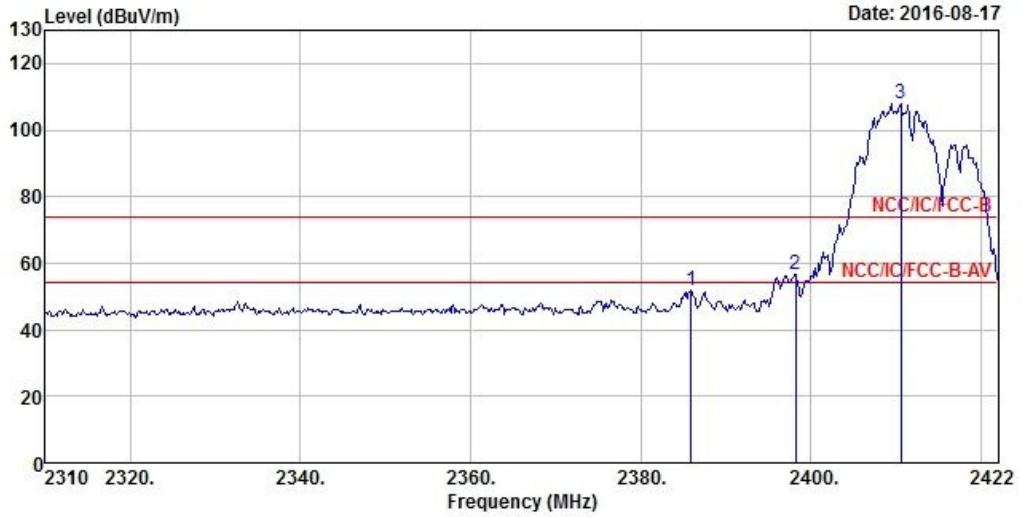
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.04	-19.04	-22.27	-21.20

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	2	2412	107.94	2398.256	56.64	51.30	20	V
11b	2	2462	107.21	2507.800	50.36	56.85	20	V
11g	2	2412	102.28	2399.936	70.14	32.14	20	V
11g	2	2462	103.29	2511.800	48.60	54.69	20	V
HT20	2	2412	101.50	2399.824	72.89	28.61	20	V
HT20	2	2462	103.90	2529.800	49.71	54.19	20	V
HT40	2	2422	98.56	2399.892	72.44	26.12	20	V
HT40	2	2452	98.02	2500.640	49.60	48.42	20	V
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	2	2412	3	2386.160	60.64	74	2385.712	52.55	54	V
11b	2	2462	3	2488.000	61.20	74	2488.000	52.89	54	V
11g	2	2412	3	2385.936	66.43	74	2389.296	52.82	54	V
11g	2	2462	3	2491.000	67.82	74	2483.600	52.46	54	V
HT20	2	2412	3	2389.296	65.35	74	2389.968	52.70	54	V
HT20	2	2462	3	2484.600	66.30	74	2483.600	52.70	54	V
HT40	2	2422	3	2389.992	64.55	74	2389.992	52.75	54	V
HT40	2	2452	3	2492.960	64.97	74	2485.280	52.97	54	V
Note 1: Measurement worst emissions of receive antenna polarization.										

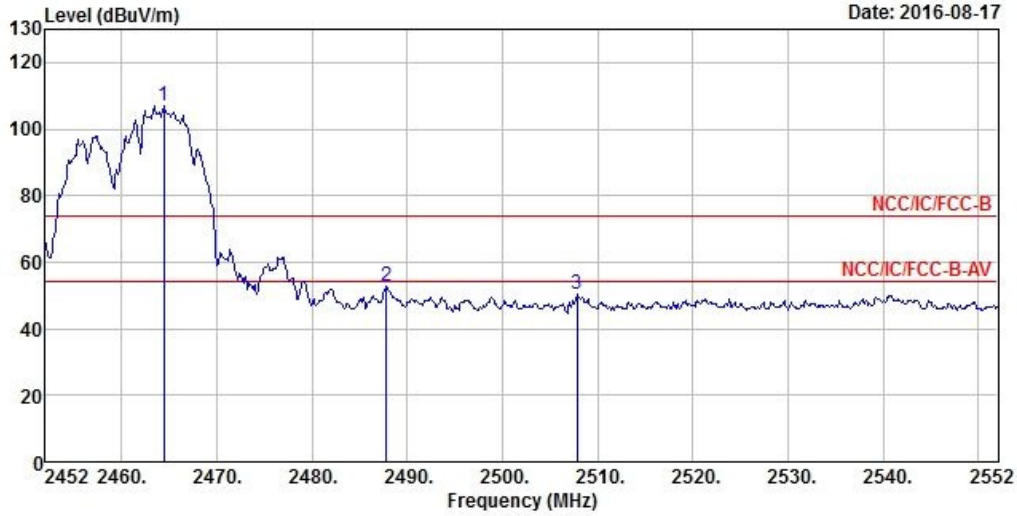
Transmitter Radiated Bandedge Emissions (Non-restricted Band)

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



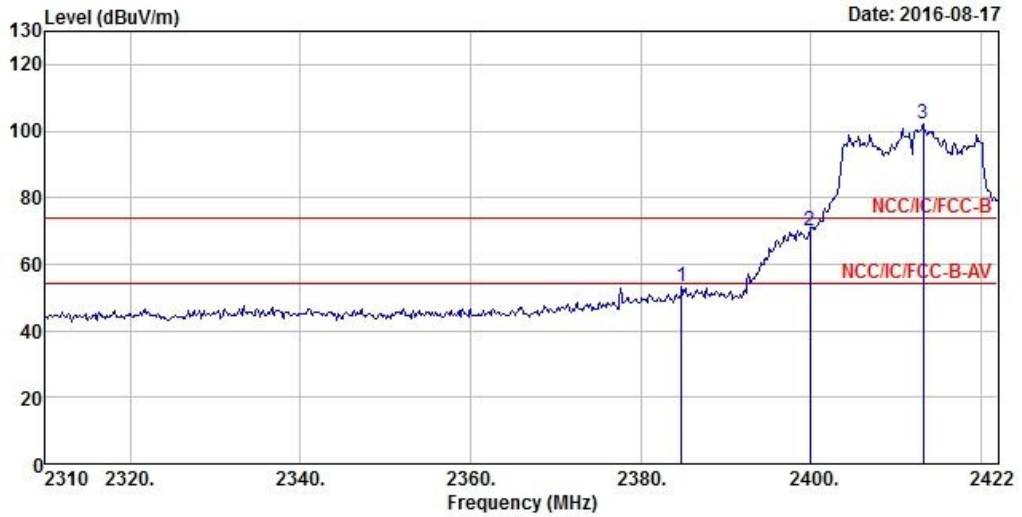
	Freq	Level	Over Limit	Limit Line	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2385.936	51.90			20.62	27.00	4.28	0.00	Peak
2	2398.256	56.64			25.32	27.04	4.28	0.00	Peak
3	2410.576	107.94			76.59	27.07	4.28	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



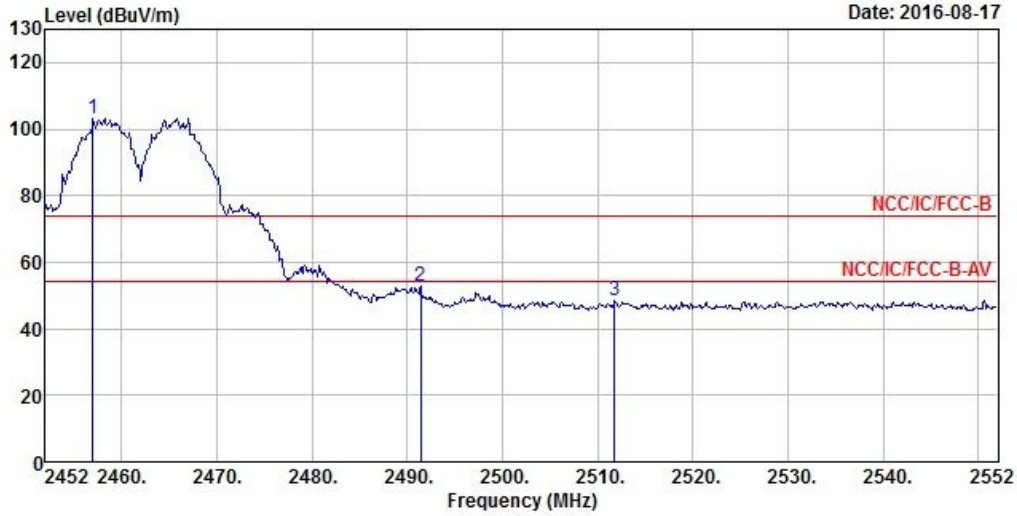
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2464.400	107.21			75.65	27.21	4.35	0.00	Peak
2	2487.800	52.79			21.17	27.27	4.35	0.00	Peak
3	2507.800	50.36			18.66	27.32	4.38	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



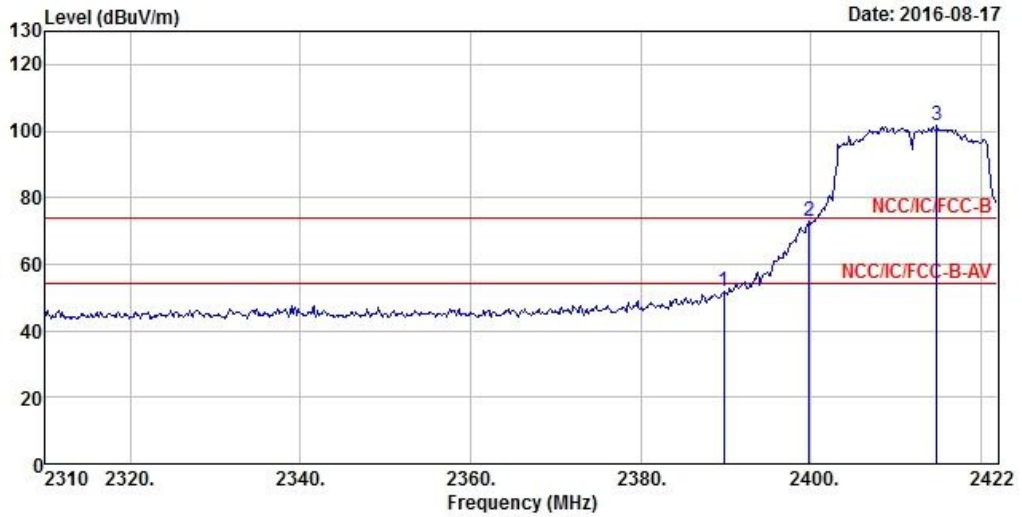
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2384.816	53.03			21.75	27.00	4.28	0.00	Peak
2	2399.936	70.14			38.82	27.04	4.28	0.00	Peak
3	2413.264	102.28			70.93	27.07	4.28	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



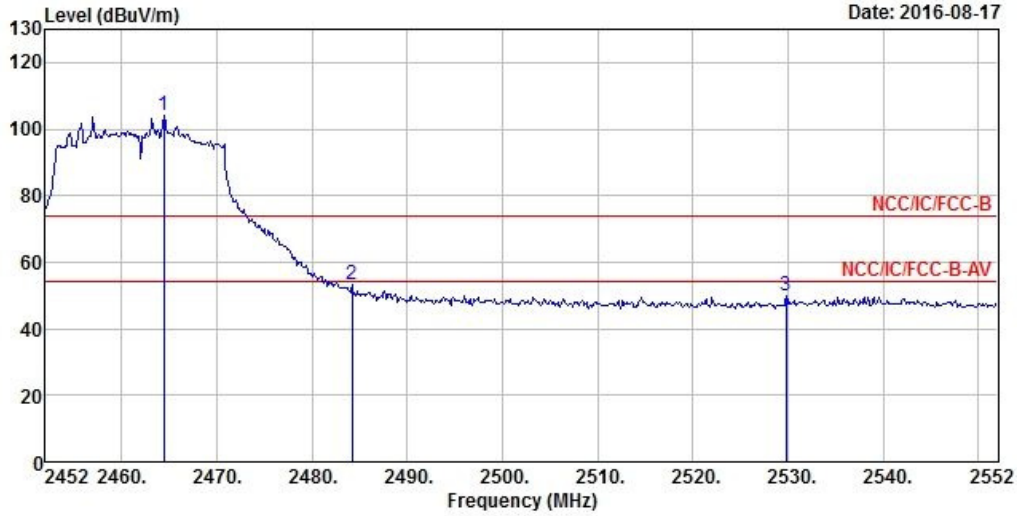
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2457.000	103.29			71.78	27.19	4.32	0.00	Peak
2	2491.400	52.99			21.36	27.28	4.35	0.00	Peak
3	2511.800	48.60			16.89	27.33	4.38	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



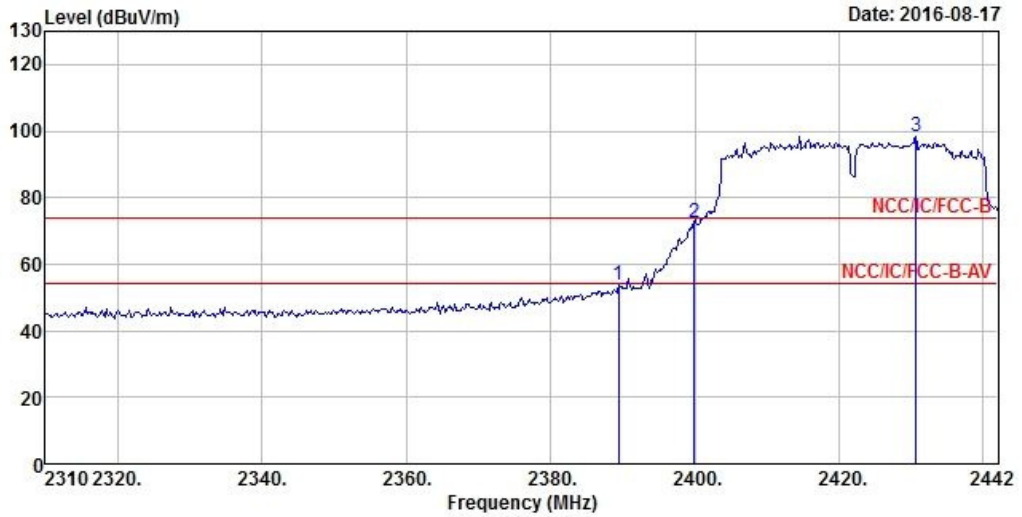
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2389.744	51.89			20.60	27.01	4.28	0.00	Peak
2	2399.824	72.89			41.57	27.04	4.28	0.00	Peak
3	2414.832	101.50			70.14	27.08	4.28	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



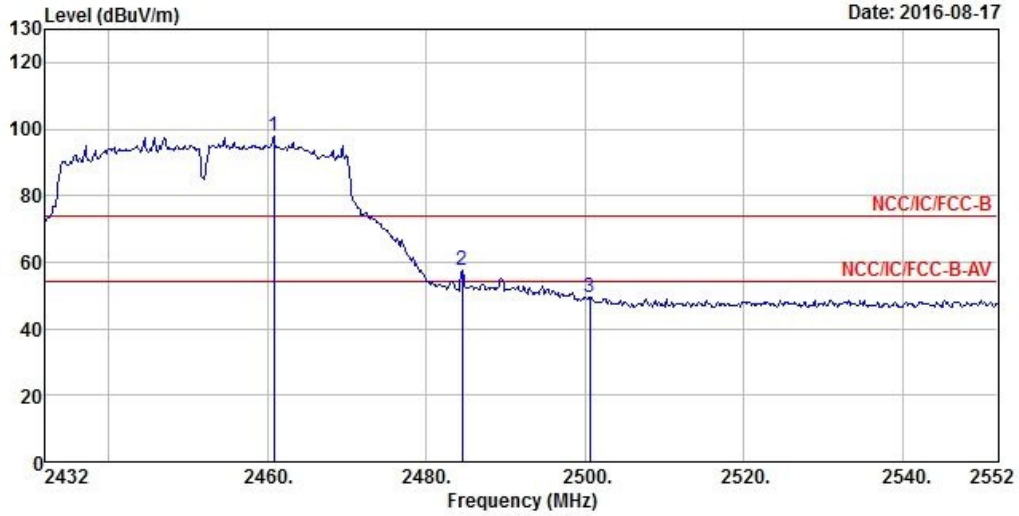
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2464.400	103.90			72.34	27.21	4.35	0.00	Peak
2	2484.200	53.08			21.47	27.26	4.35	0.00	Peak
3	2529.800	49.71			17.96	27.37	4.38	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT40	**Test Freq. (MHz)**	2422
N_{TX}	2	**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	2389.464	53.58			22.29	27.01	4.28	0.00	Peak
2	2399.892	72.44			41.12	27.04	4.28	0.00	Peak
3	2430.648	98.56			67.12	27.12	4.32	0.00	Peak

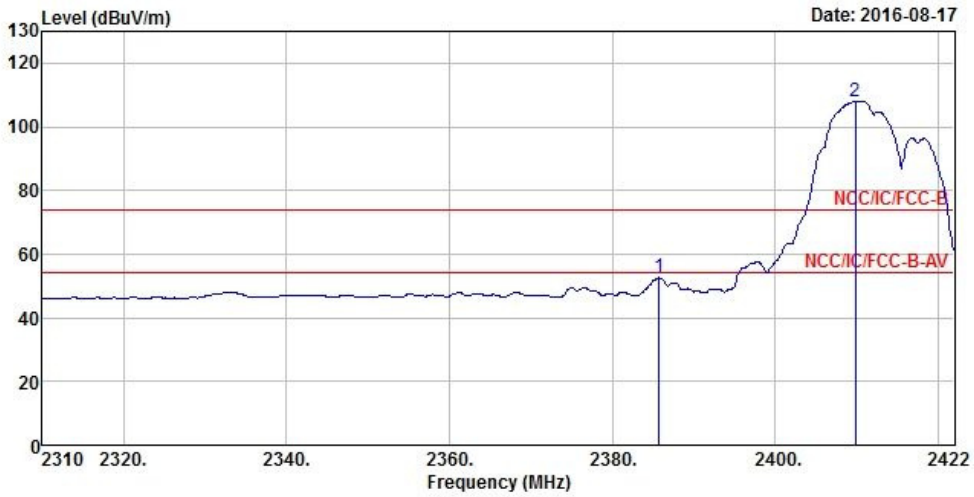
Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT40	**Test Freq. (MHz)**	2452
N_{TX}	2	**Polarization**	H



	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	2460.800	98.02			66.50	27.20	4.32	0.00	Peak
2	2484.560	57.33			25.72	27.26	4.35	0.00	Peak
3	2500.640	49.60			17.95	27.30	4.35	0.00	Peak

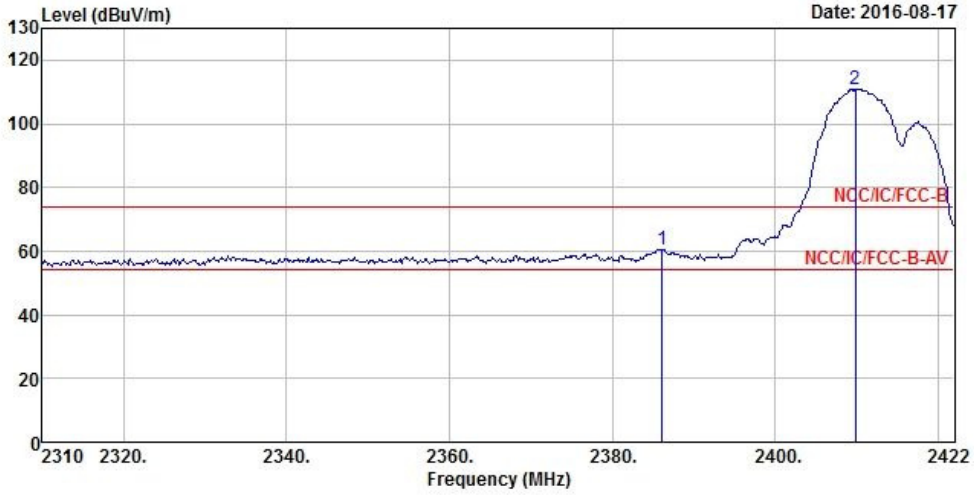
Transmitter Radiated Bandedge Emissions (Restricted Band)

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



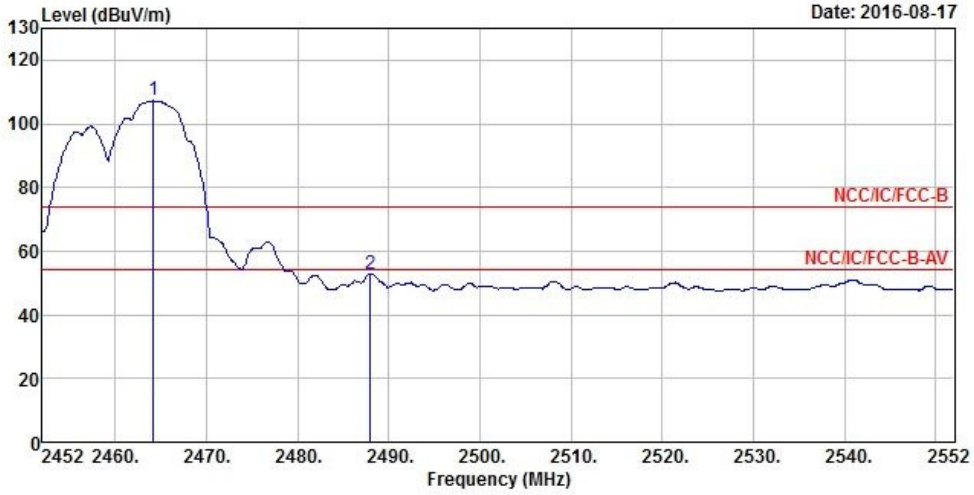
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2385.712	52.55	-1.45	54.00	21.27	27.00	4.28	0.00	Average
2	2409.904	107.94			76.59	27.07	4.28	0.00	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



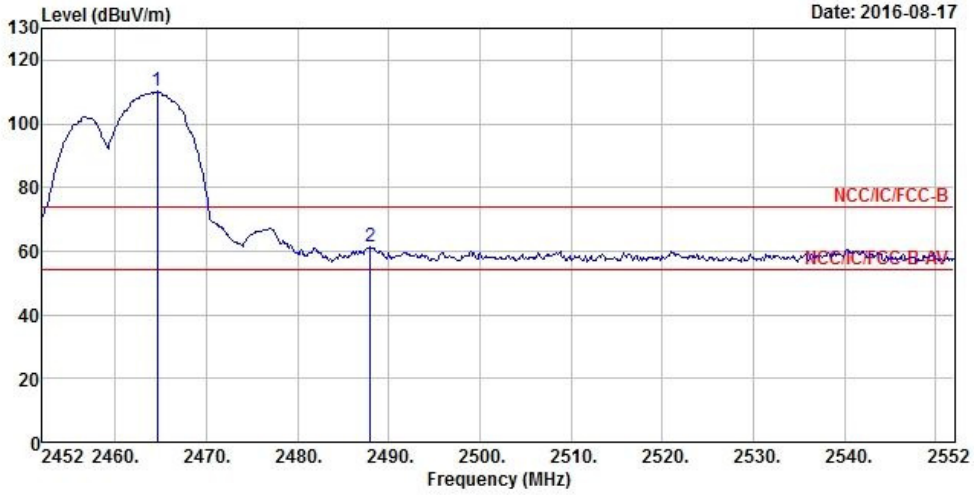
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2386.160	60.64	-13.36	74.00	29.36	27.00	4.28	0.00	Peak
2	2409.904	110.77			79.42	27.07	4.28	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



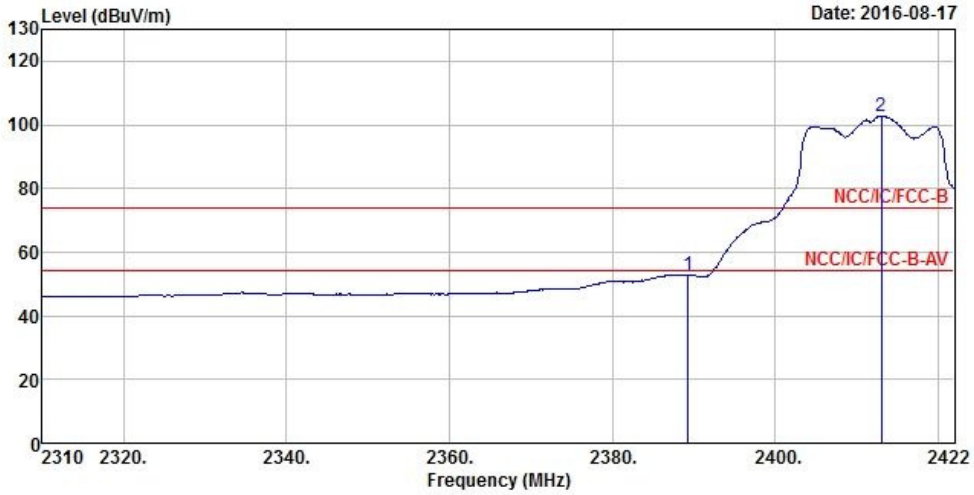
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2464.200	107.22			75.66	27.21	4.35	0.00	Average
2	2488.000	52.89	-1.11	54.00	21.27	27.27	4.35	0.00	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11b	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



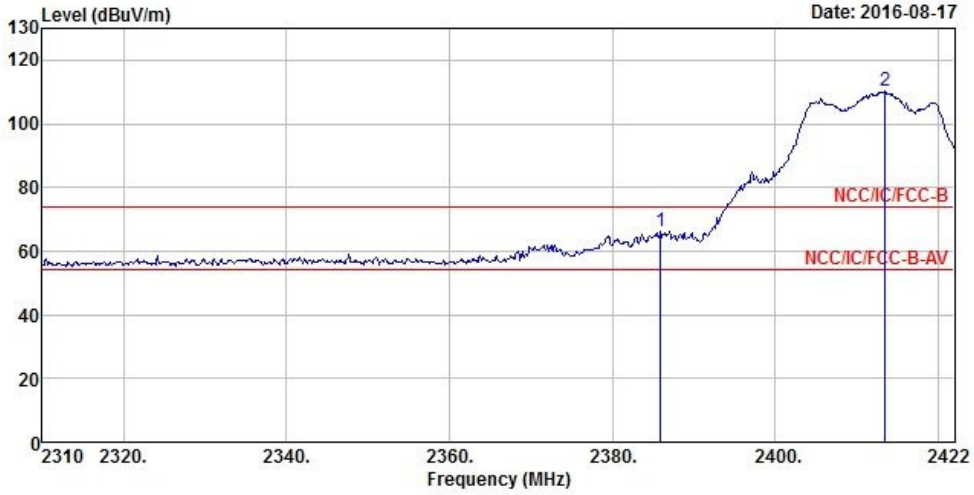
	Freq	Level	Over Limit	Limit Line	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2464.600	110.10			78.54	27.21	4.35	0.00	Peak
2	2488.000	61.20	-12.80	74.00	29.58	27.27	4.35	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



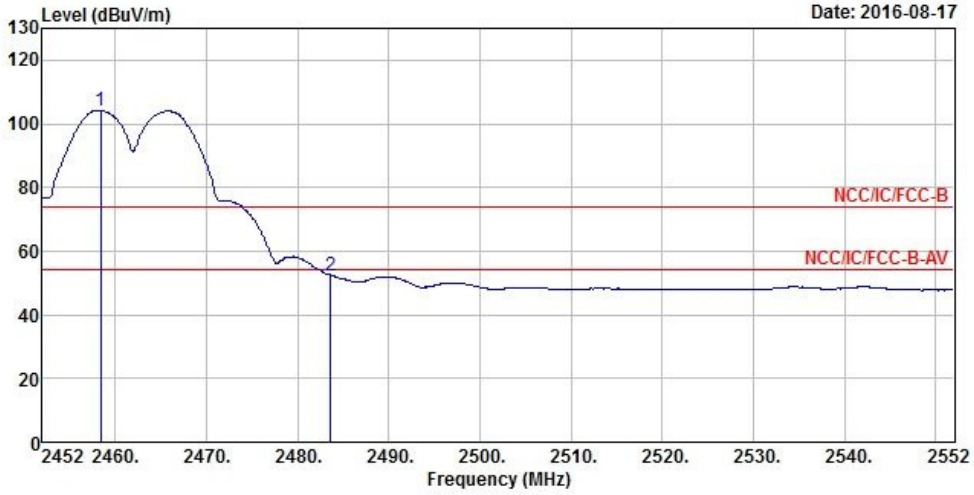
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2389.296	52.82	-1.18	54.00	21.53	27.01	4.28	0.00	Average
2	2413.040	102.74			71.39	27.07	4.28	0.00	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



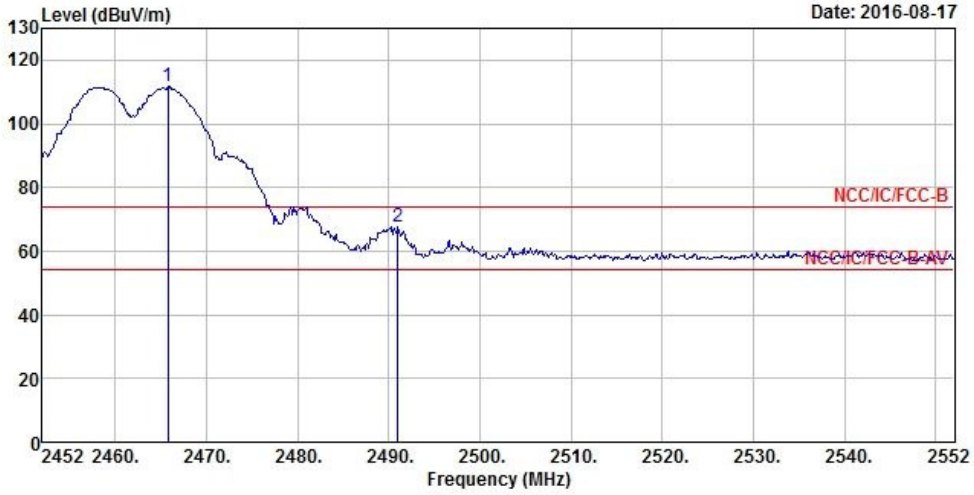
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2385.936	66.43	-7.57	74.00	35.15	27.00	4.28	0.00	Peak
2	2413.488	110.32			78.96	27.08	4.28	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



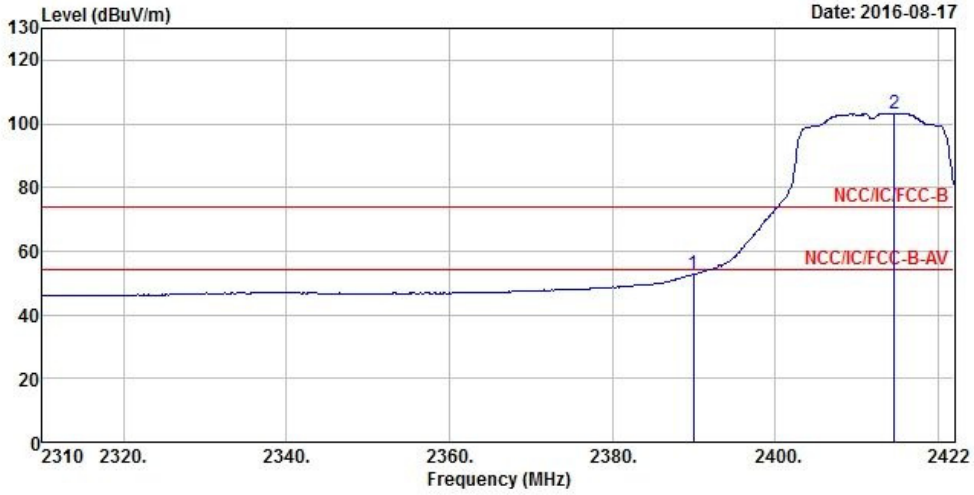
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2458.400	104.16			72.65	27.19	4.32	0.00	Average
2	2483.600	52.46	-1.54	54.00	20.85	27.26	4.35	0.00	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11g	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



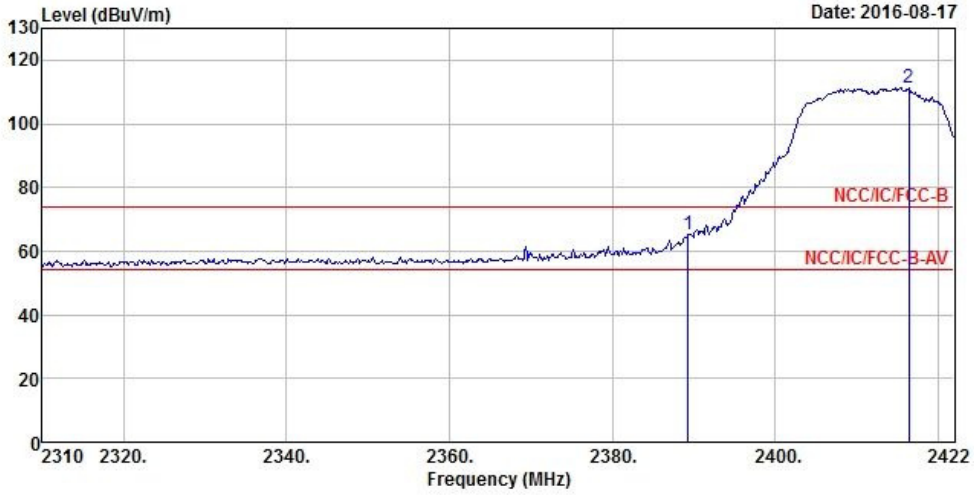
	Freq	Level	Over Limit	Limit Line	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2465.800	111.66			80.10	27.21	4.35	0.00	Peak
2	2491.000	67.82	-6.18	74.00	36.19	27.28	4.35	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



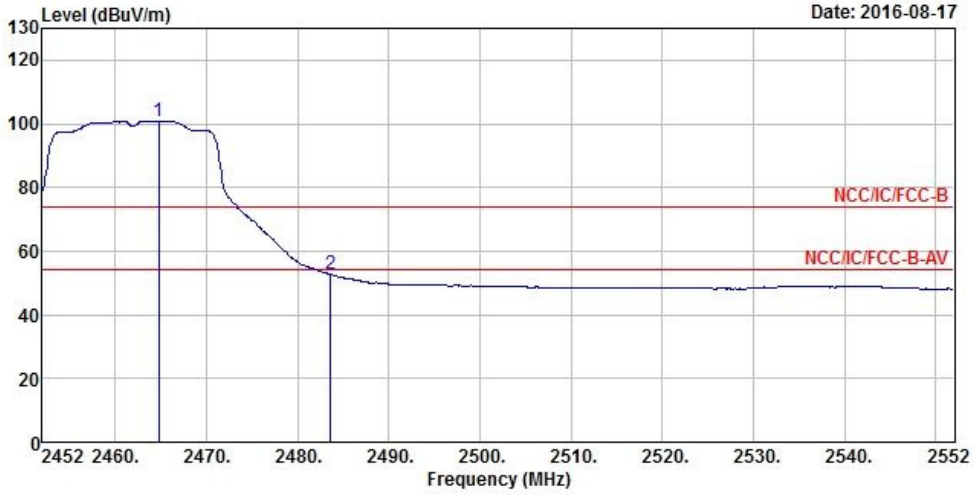
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2389.968	52.70	-1.30	54.00	21.41	27.01	4.28	0.00	Average
2	2414.608	103.13			71.77	27.08	4.28	0.00	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



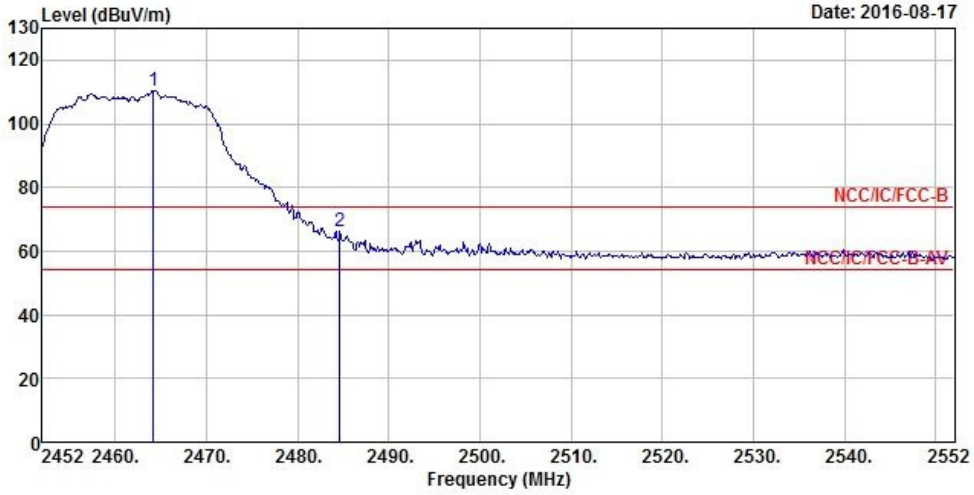
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2389.296	65.35	-8.65	74.00	34.06	27.01	4.28	0.00	Peak
2	2416.400	111.24			79.88	27.08	4.28	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



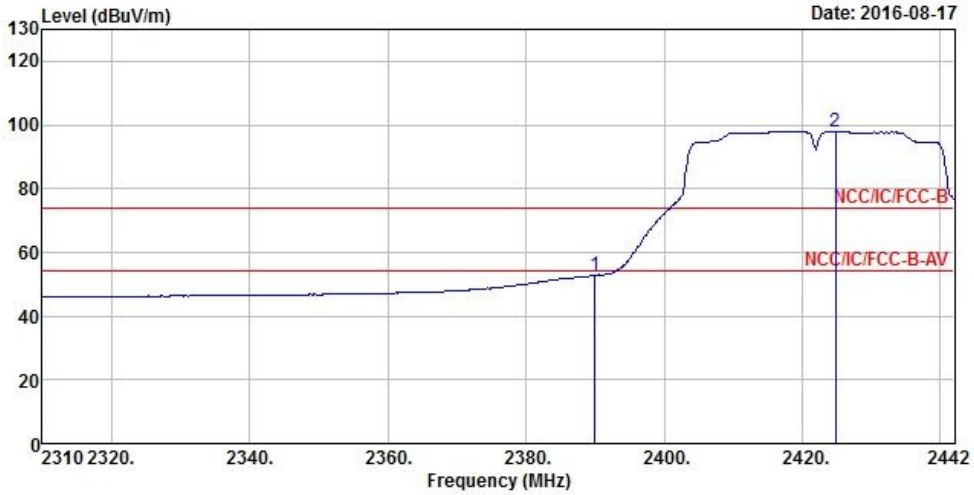
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2464.800	100.74			69.18	27.21	4.35	0.00	Average
2	2483.600	52.70	-1.30	54.00	21.09	27.26	4.35	0.00	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT20	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



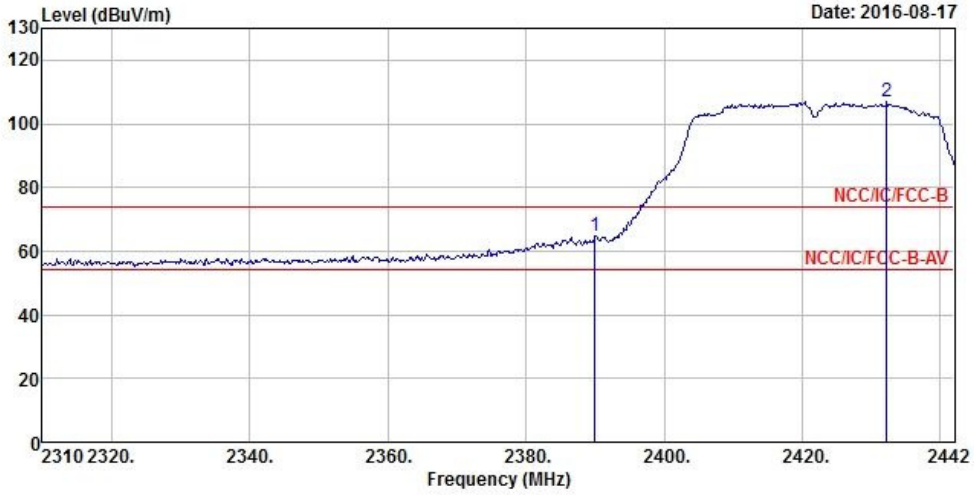
	Freq	Level	Over Limit	Limit Line	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2464.200	110.55			78.99	27.21	4.35	0.00	Peak
2	2484.600	66.30	-7.70	74.00	34.69	27.26	4.35	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT40	**Test Freq. (MHz)**	2422
N_{TX}	2	**Polarization**	H



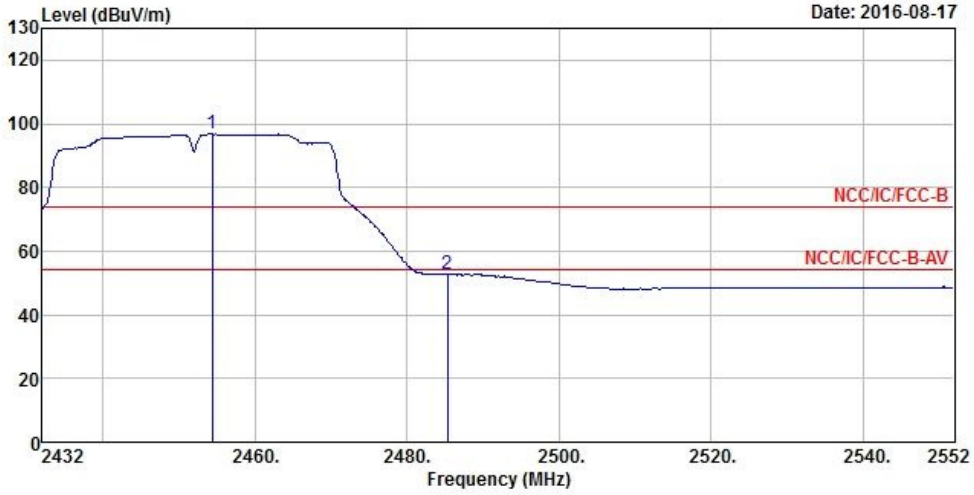
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2389.992	52.75	-1.25	54.00	21.46	27.01	4.28	0.00	Average
2	2424.840	97.85			66.43	27.10	4.32	0.00	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT40	**Test Freq. (MHz)**	2422
N_{TX}	2	**Polarization**	H



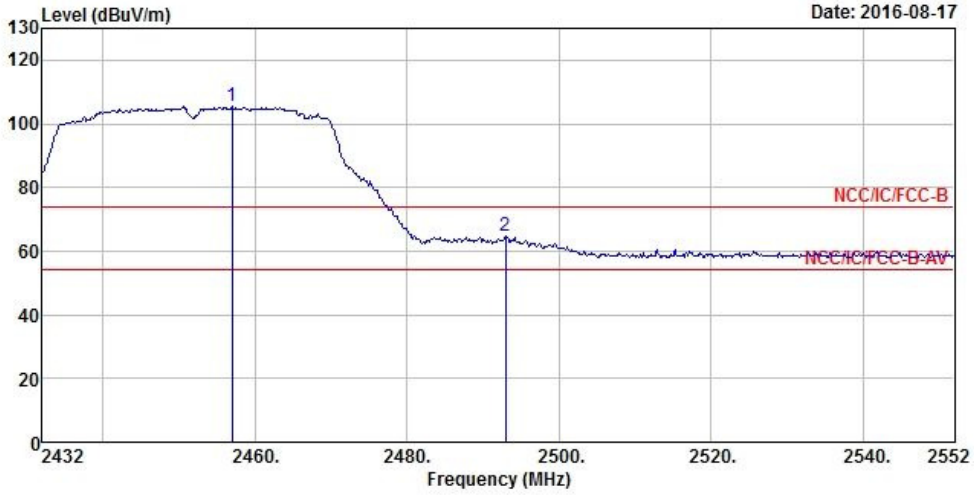
	Freq	Level	Over Limit	Limit Line	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2389.992	64.55	-9.45	74.00	33.26	27.01	4.28	0.00	Peak
2	2432.232	106.78			75.34	27.12	4.32	0.00	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT40	**Test Freq. (MHz)**	2452
N_{TX}	2	**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	2454.320	96.72			65.22	27.18	4.32	0.00	Average
2	2485.280	52.97	-1.03	54.00	21.36	27.26	4.35	0.00	Average

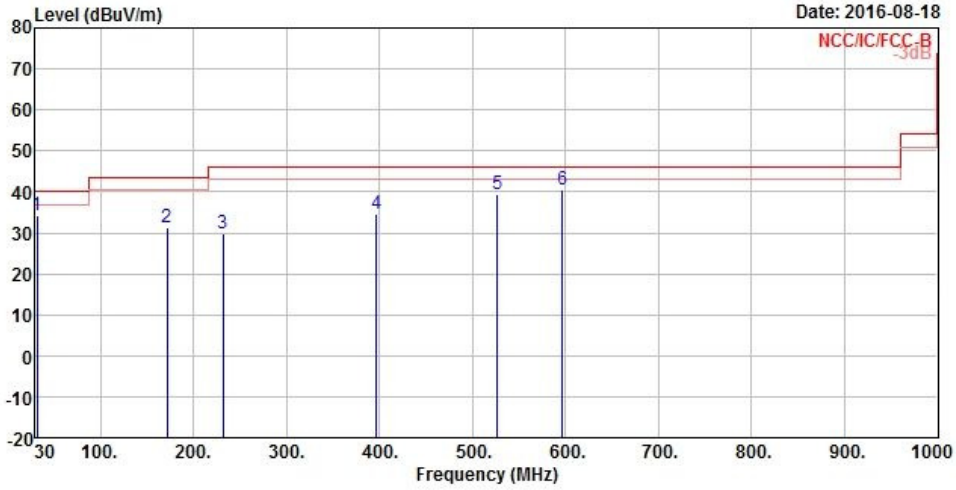
Transmitter Radiated Bandedge Emissions			
Modulation Mode	HT40	**Test Freq. (MHz)**	2452
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	2456.960	105.53			74.02	27.19	4.32	0.00	Peak
2	2492.960	64.97	-9.03	74.00	33.34	27.28	4.35	0.00	Peak

Transmitter Radiated Unwanted Emissions (Below 1GHz)

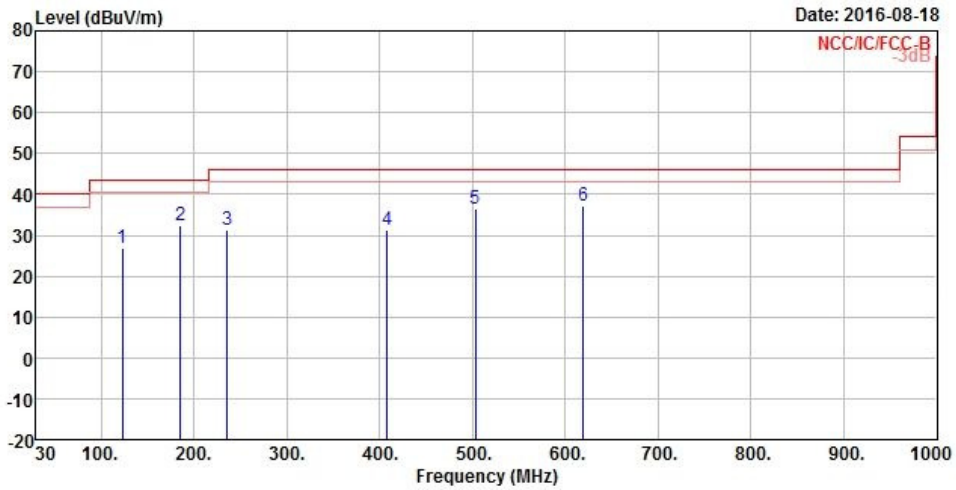
Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	1	**Polarization**	V
Operating Function	HT40 2437MHz, Adapter with charging mode		



	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	31.940	34.13	-5.87	40.00	47.34	23.85	0.33	37.39	Peak
2	171.620	31.30	-12.20	43.50	52.08	15.00	0.73	36.51	Peak
3	231.760	29.91	-16.09	46.00	49.19	16.26	0.85	36.39	Peak
4	396.660	34.51	-11.49	46.00	48.63	21.42	1.11	36.65	Peak
5	526.640	39.25	-6.75	46.00	51.37	23.62	1.32	37.06	QP
6	596.480	40.34	-5.66	46.00	51.64	24.55	1.41	37.26	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	HT40 2437MHz, Adapter with charging mode		

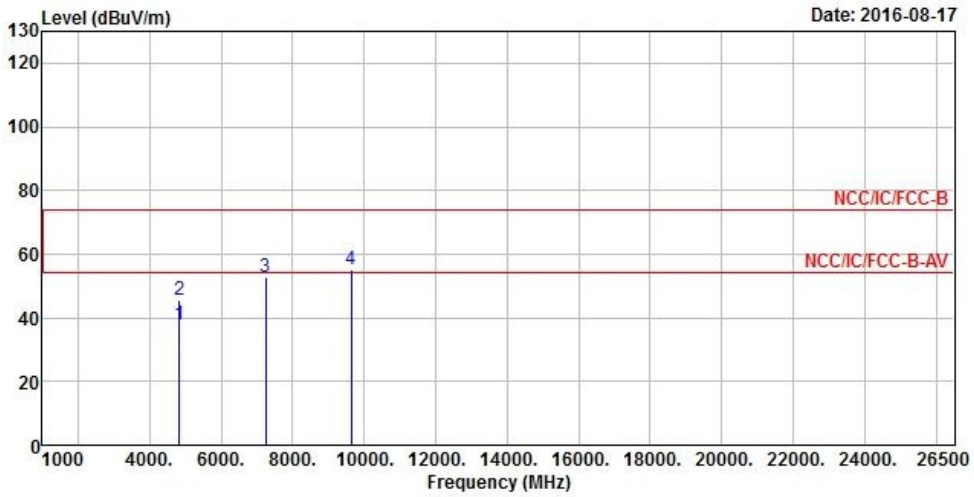


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	123.120	27.04	-16.46	43.50	46.18	16.96	0.62	36.72	Peak
2	185.200	32.46	-11.04	43.50	53.59	14.55	0.77	36.45	Peak
3	235.640	31.38	-14.62	46.00	50.31	16.61	0.85	36.39	Peak
4	408.300	31.34	-14.66	46.00	45.25	21.65	1.13	36.69	Peak
5	503.360	36.53	-9.47	46.00	48.89	23.34	1.29	36.99	Peak
6	619.760	37.23	-8.77	46.00	48.18	24.92	1.44	37.31	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)

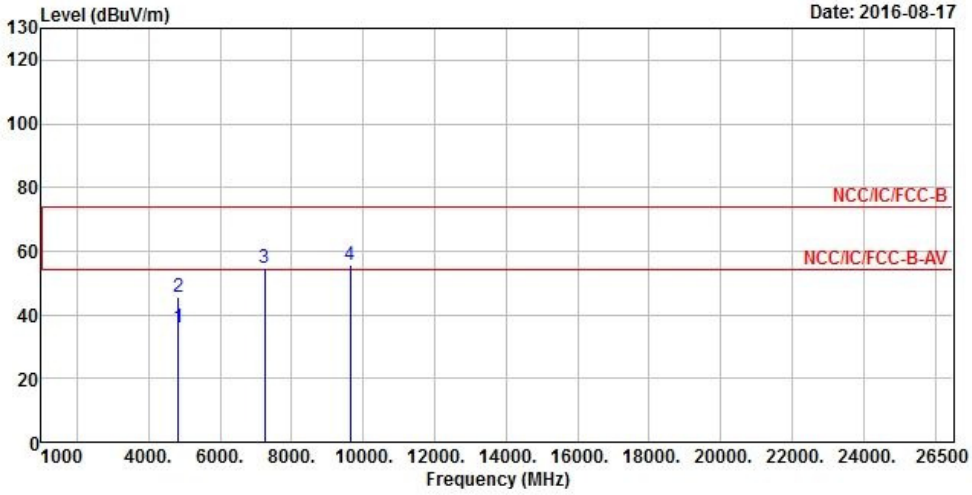
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	V



	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	37.70	-16.30	54.00	35.60	31.15	6.11	35.16	Average
2	4824.000	45.70	-28.30	74.00	43.60	31.15	6.11	35.16	Peak
3	7236.000	52.97			44.90	35.91	7.57	35.41	Peak
4	9648.000	55.28			43.74	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 (110.77 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

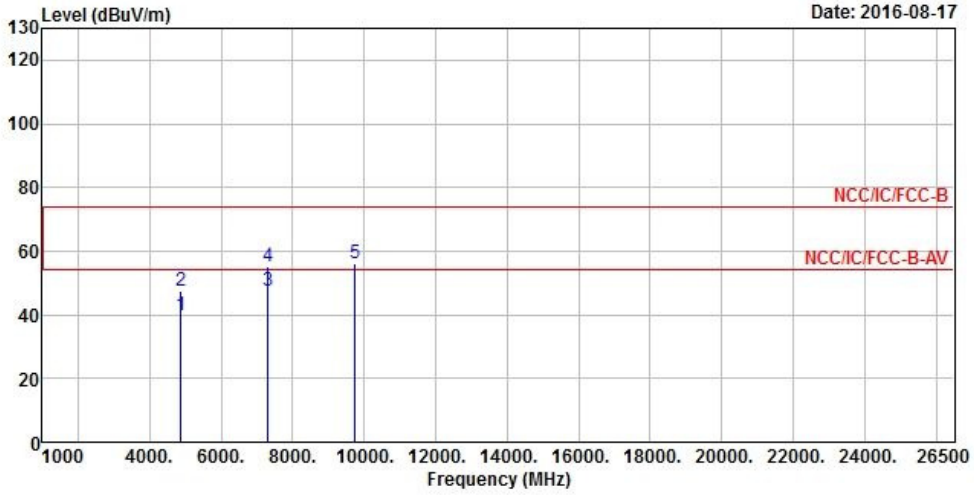
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



	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	36.20	-17.80	54.00	34.10	31.15	6.11	35.16	Average
2	4824.000	45.71	-28.29	74.00	43.61	31.15	6.11	35.16	Peak
3	7236.000	54.57			46.50	35.91	7.57	35.41	Peak
4	9648.000	55.43			43.89	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 (110.77dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

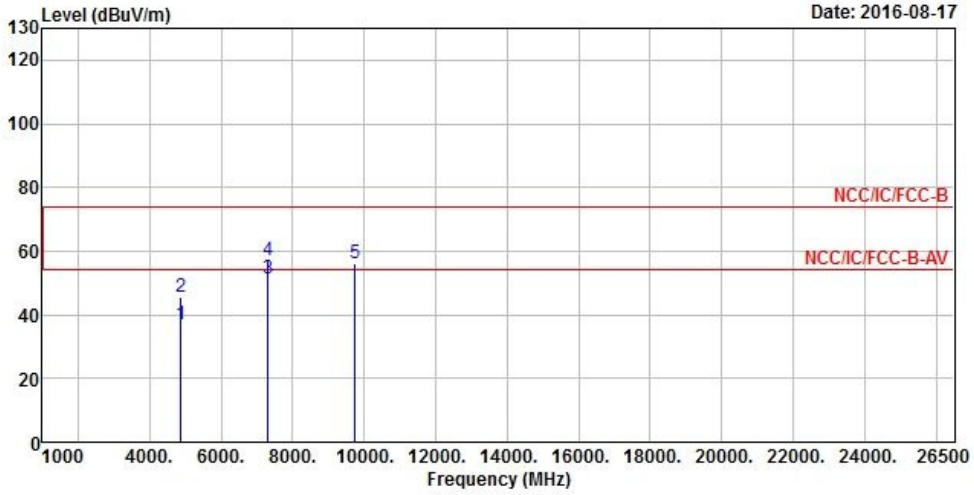
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2437
N_{TX}	2	**Polarization**	V



	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	39.61	-14.39	54.00	37.42	31.22	6.13	35.16	Average
2	4874.000	47.32	-26.68	74.00	45.13	31.22	6.13	35.16	Peak
3	7311.000	47.65	-6.35	54.00	39.36	36.11	7.60	35.42	Average
4	7311.000	55.08	-18.92	74.00	46.79	36.11	7.60	35.42	Peak
5	9748.000	55.99			44.30	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 (110.01 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

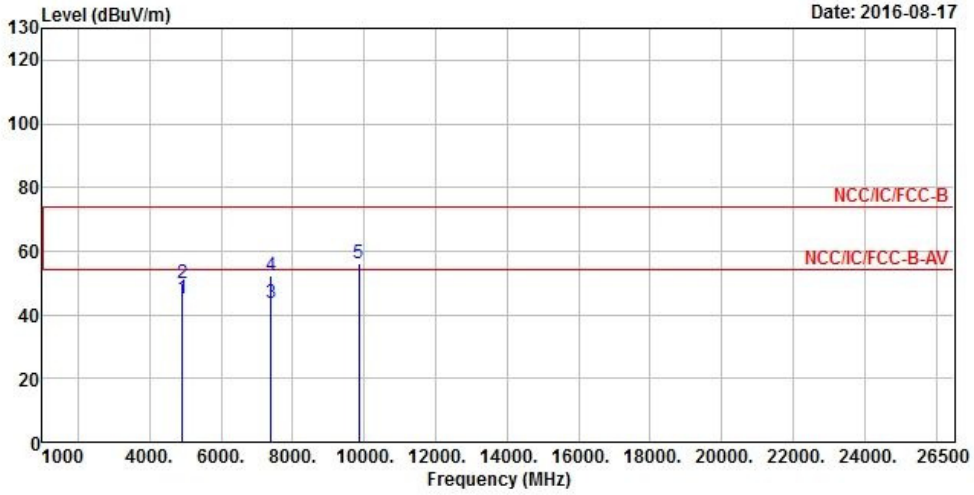
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2437
N_{TX}	2	**Polarization**	H



	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	36.98	-17.02	54.00	34.79	31.22	6.13	35.16	Average
2	4874.000	45.76	-28.24	74.00	43.57	31.22	6.13	35.16	Peak
3	7311.000	51.42	-2.58	54.00	43.13	36.11	7.60	35.42	Average
4	7311.000	57.07	-16.93	74.00	48.78	36.11	7.60	35.42	Peak
5	9748.000	55.91			44.22	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 (110.01 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

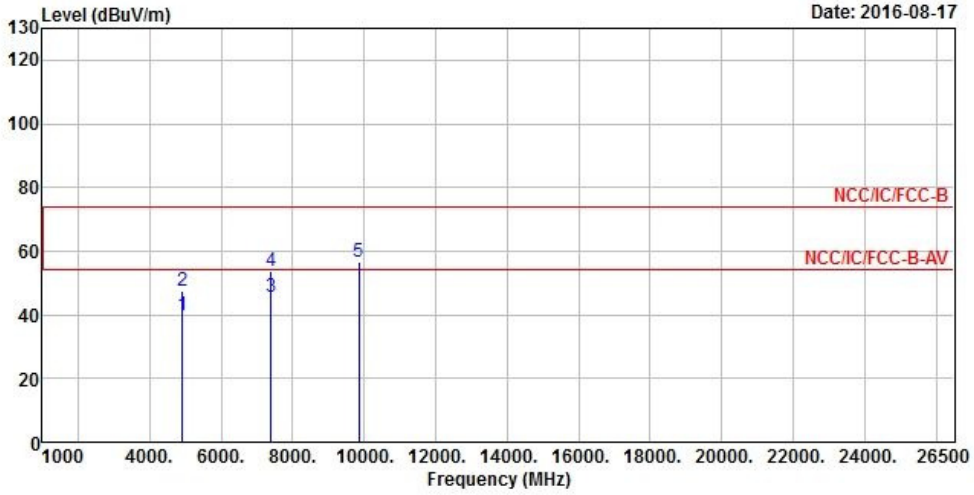
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	V



	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	45.08	-8.92	54.00	42.77	31.29	6.17	35.15	Average
2	4924.000	50.02	-23.98	74.00	47.71	31.29	6.17	35.15	Peak
3	7386.000	43.75	-10.25	54.00	35.25	36.30	7.63	35.43	Average
4	7386.000	52.52	-21.48	74.00	44.02	36.30	7.63	35.43	Peak
5	9848.000	55.91			44.03	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 (110.10 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

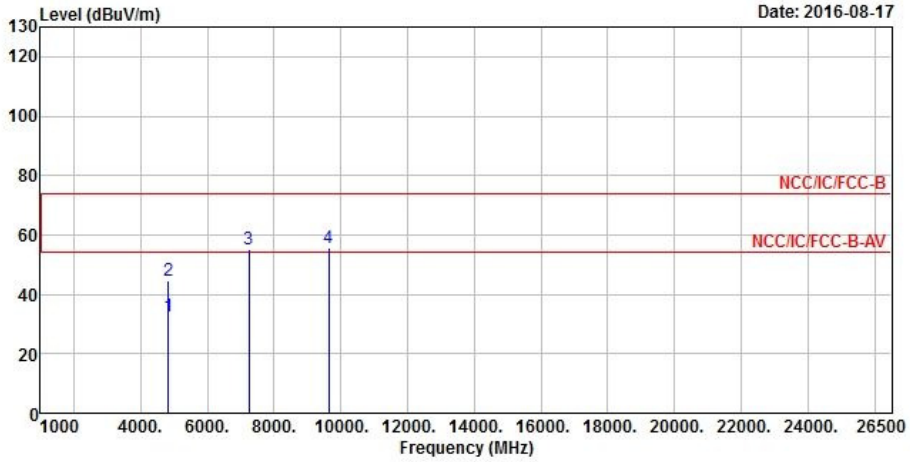
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11b	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



	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	39.87	-14.13	54.00	37.56	31.29	6.17	35.15	Average
2	4924.000	47.30	-26.70	74.00	44.99	31.29	6.17	35.15	Peak
3	7386.000	45.73	-8.27	54.00	37.23	36.30	7.63	35.43	Average
4	7386.000	53.90	-20.10	74.00	45.40	36.30	7.63	35.43	Peak
5	9848.000	56.75			44.87	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 (110.10dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

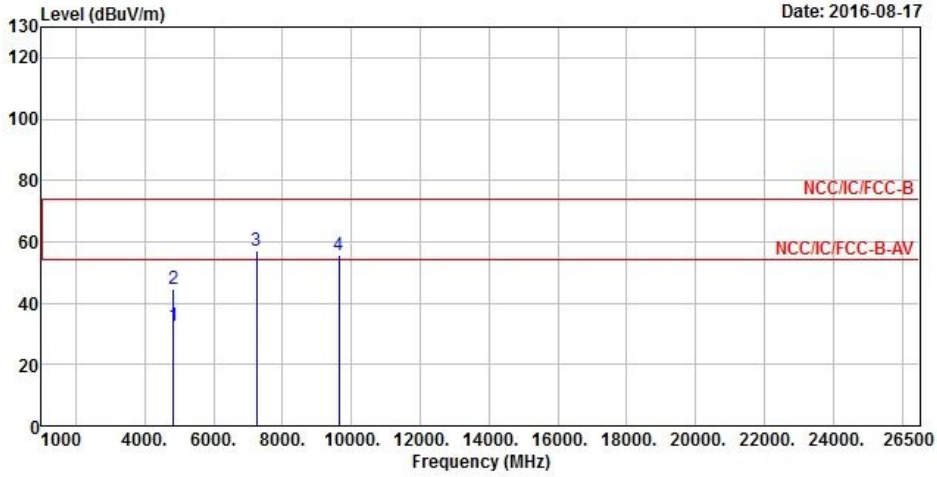
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	V



	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	32.65	-21.35	54.00	30.55	31.15	6.11	35.16	Average
2	4824.000	44.46	-29.54	74.00	42.36	31.15	6.11	35.16	Peak
3	7236.000	54.94			46.87	35.91	7.57	35.41	Peak
4	9648.000	55.60			44.06	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 (110.32dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

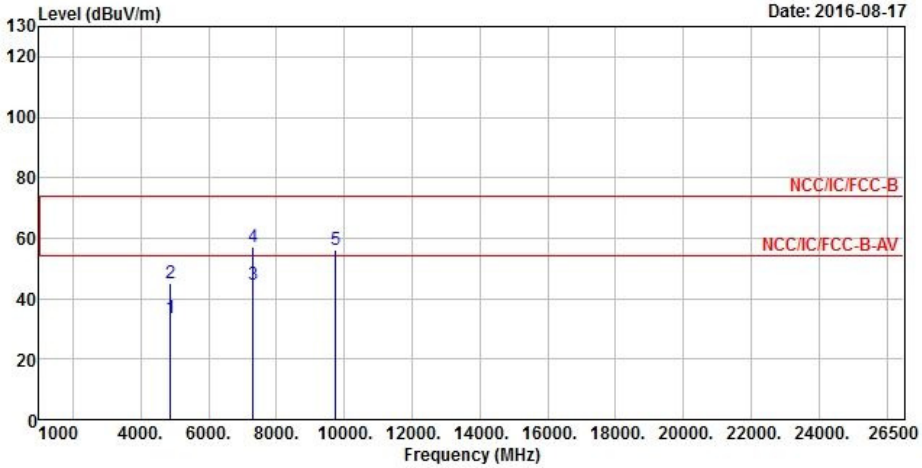
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



	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	32.62	-21.38	54.00	30.52	31.15	6.11	35.16	Average
2	4824.000	44.49	-29.51	74.00	42.39	31.15	6.11	35.16	Peak
3	7236.000	57.31			49.24	35.91	7.57	35.41	Peak
4	9648.000	55.55			44.01	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 (110.32 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

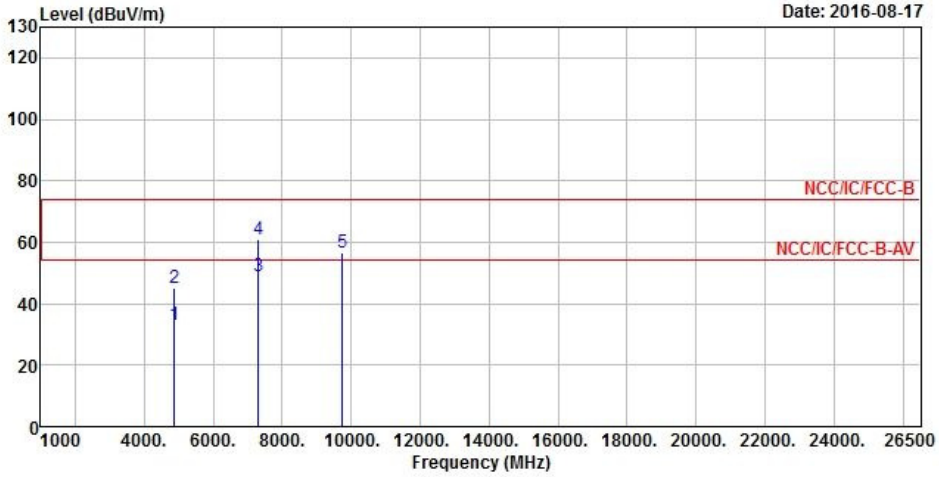
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2437
N_{TX}	2	**Polarization**	V



	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	33.49	-20.51	54.00	31.30	31.22	6.13	35.16	Average
2	4874.000	45.17	-28.83	74.00	42.98	31.22	6.13	35.16	Peak
3	7311.000	44.80	-9.20	54.00	36.51	36.11	7.60	35.42	Average
4	7311.000	56.97	-17.03	74.00	48.68	36.11	7.60	35.42	Peak
5	9748.000	56.36			44.67	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 (114.53 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

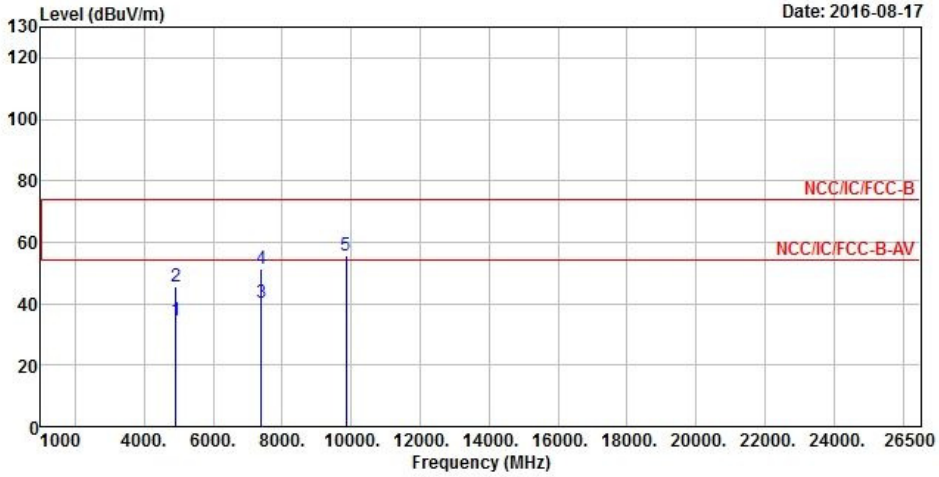
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2437
N_{TX}	2	**Polarization**	H



	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	33.31	-20.69	54.00	31.12	31.22	6.13	35.16	Average
2	4874.000	45.32	-28.68	74.00	43.13	31.22	6.13	35.16	Peak
3	7311.000	48.77	-5.23	54.00	40.48	36.11	7.60	35.42	Average
4	7311.000	61.00	-13.00	74.00	52.71	36.11	7.60	35.42	Peak
5	9748.000	56.52			44.83	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 (114.53 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

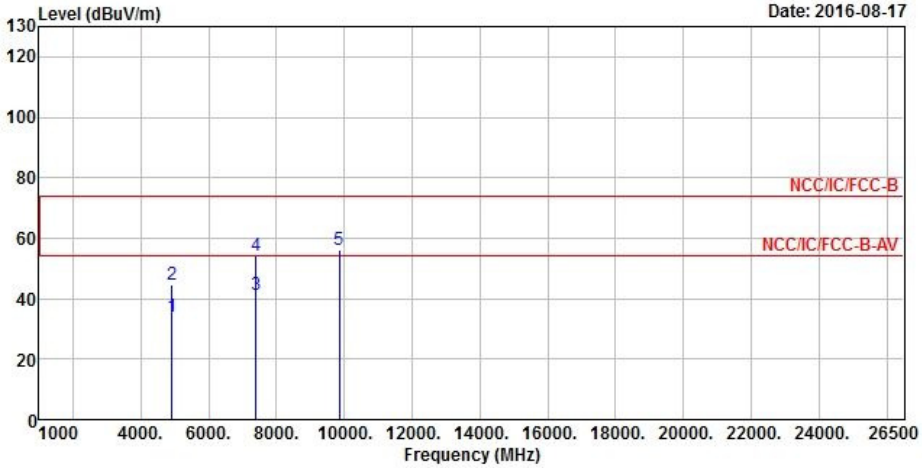
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	V



	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	34.53	-19.47	54.00	32.22	31.29	6.17	35.15	Average
2	4924.000	45.57	-28.43	74.00	43.26	31.29	6.17	35.15	Peak
3	7386.000	40.42	-13.58	54.00	31.92	36.30	7.63	35.43	Average
4	7386.000	51.53	-22.47	74.00	43.03	36.30	7.63	35.43	Peak
5	9848.000	55.77			43.89	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 (111.16 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

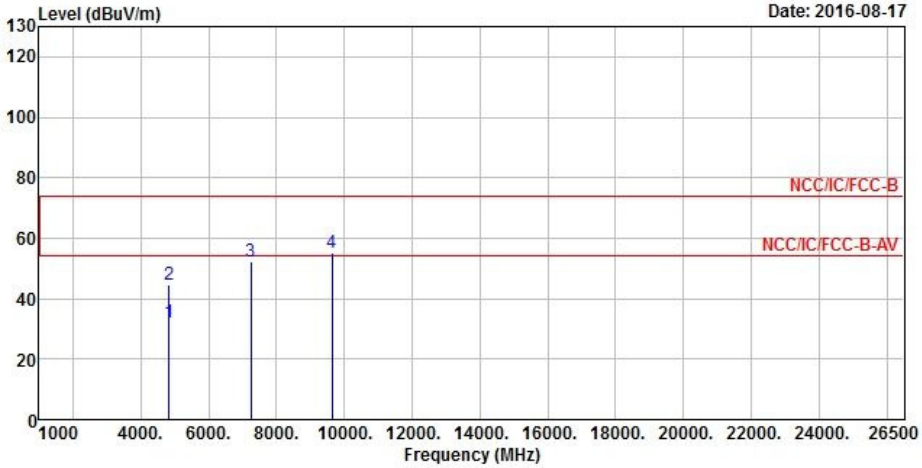
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11g	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



	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	34.06	-19.94	54.00	31.75	31.29	6.17	35.15	Average
2	4924.000	44.84	-29.16	74.00	42.53	31.29	6.17	35.15	Peak
3	7386.000	41.38	-12.62	54.00	32.88	36.30	7.63	35.43	Average
4	7386.000	54.15	-19.85	74.00	45.65	36.30	7.63	35.43	Peak
5	9848.000	56.07			44.19	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 ((111.16 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

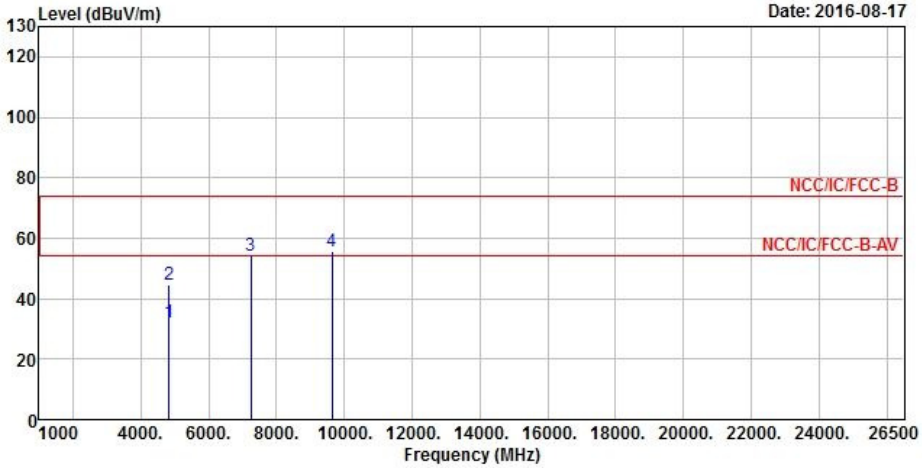
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	V



	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	32.22	-21.78	54.00	30.12	31.15	6.11	35.16	Average
2	4824.000	44.54	-29.46	74.00	42.44	31.15	6.11	35.16	Peak
3	7236.000	52.29			44.22	35.91	7.57	35.41	Peak
4	9648.000	55.35			43.81	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 (111.24 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

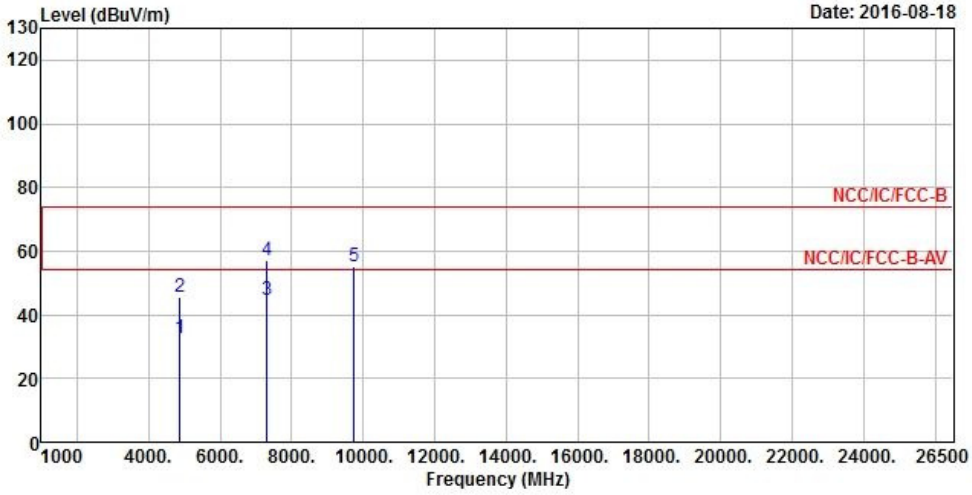
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2412
N_{TX}	2	**Polarization**	H



	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	32.22	-21.78	54.00	30.12	31.15	6.11	35.16	Average
2	4824.000	44.69	-29.31	74.00	42.59	31.15	6.11	35.16	Peak
3	7236.000	54.43			46.36	35.91	7.57	35.41	Peak
4	9648.000	55.54			44.00	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 (111.24 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

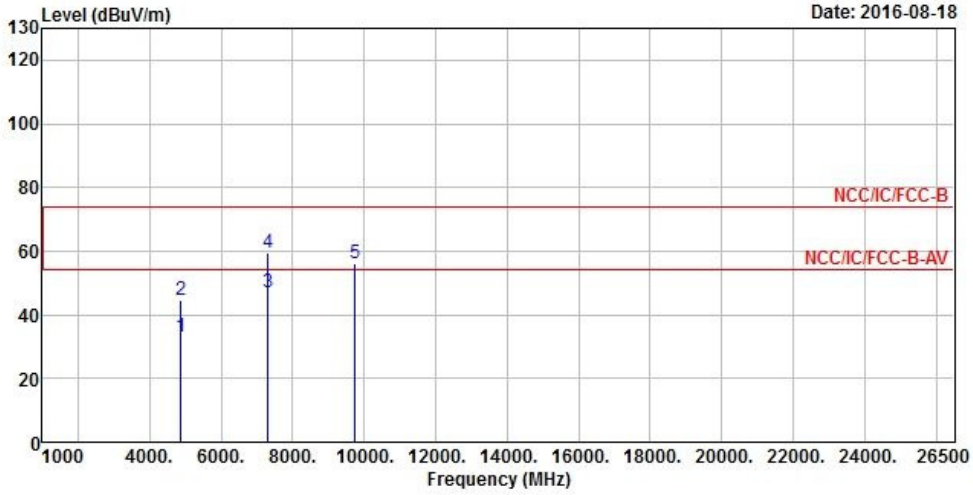
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2437
N_{TX}	2	**Polarization**	V



	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	32.77	-21.23	54.00	30.58	31.22	6.13	35.16	Average
2	4874.000	45.66	-28.34	74.00	43.47	31.22	6.13	35.16	Peak
3	7311.000	44.41	-9.59	54.00	36.12	36.11	7.60	35.42	Average
4	7311.000	57.14	-16.86	74.00	48.85	36.11	7.60	35.42	Peak
5	9748.000	55.28			43.59	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 (113.58 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

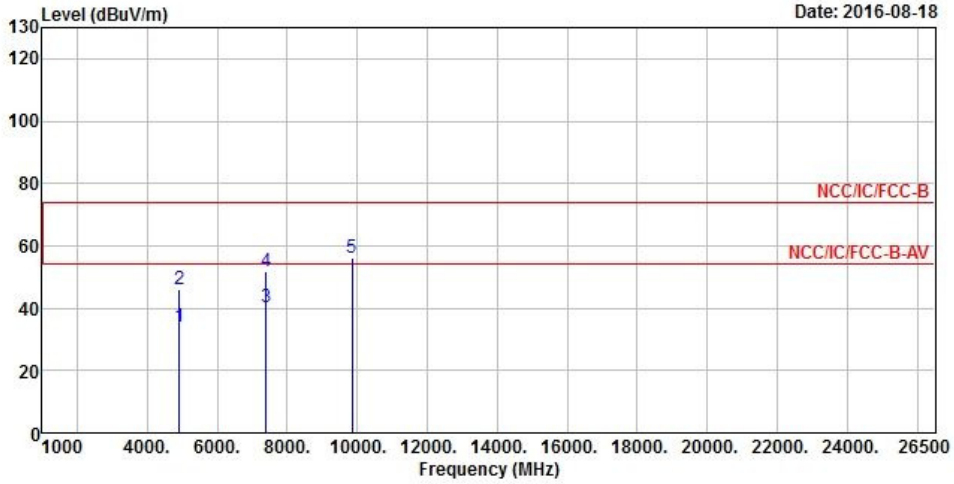
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2437
N_{TX}	2	**Polarization**	H



	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	32.94	-21.06	54.00	30.75	31.22	6.13	35.16	Average
2	4874.000	44.72	-29.28	74.00	42.53	31.22	6.13	35.16	Peak
3	7311.000	47.20	-6.80	54.00	38.91	36.11	7.60	35.42	Average
4	7311.000	59.61	-14.39	74.00	51.32	36.11	7.60	35.42	Peak
5	9748.000	55.91			44.22	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 (113.58 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

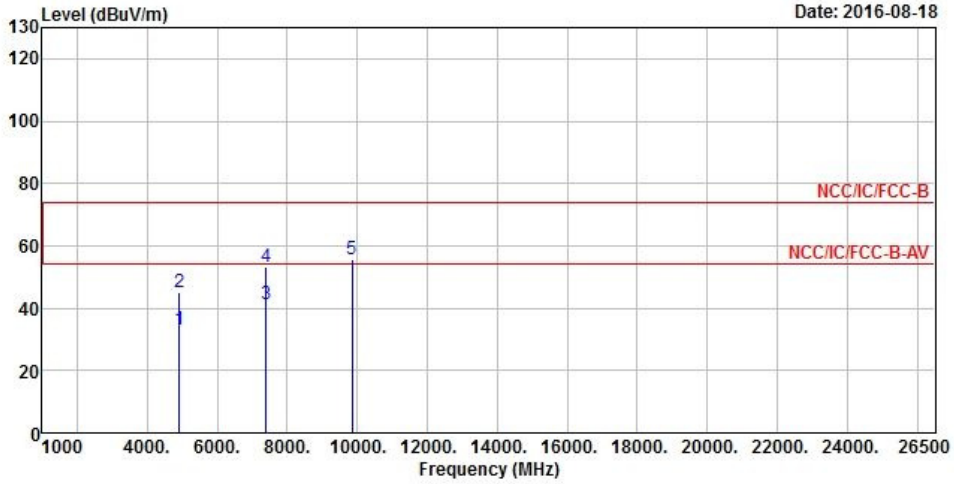
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4924.000	34.12	-19.88	54.00	31.81	31.29	6.17	35.15	Average
2	4924.000	45.89	-28.11	74.00	43.58	31.29	6.17	35.15	Peak
3	7386.000	40.06	-13.94	54.00	31.56	36.30	7.63	35.43	Average
4	7386.000	51.66	-22.34	74.00	43.16	36.30	7.63	35.43	Peak
5	9848.000	56.05			44.17	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 (110.55 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

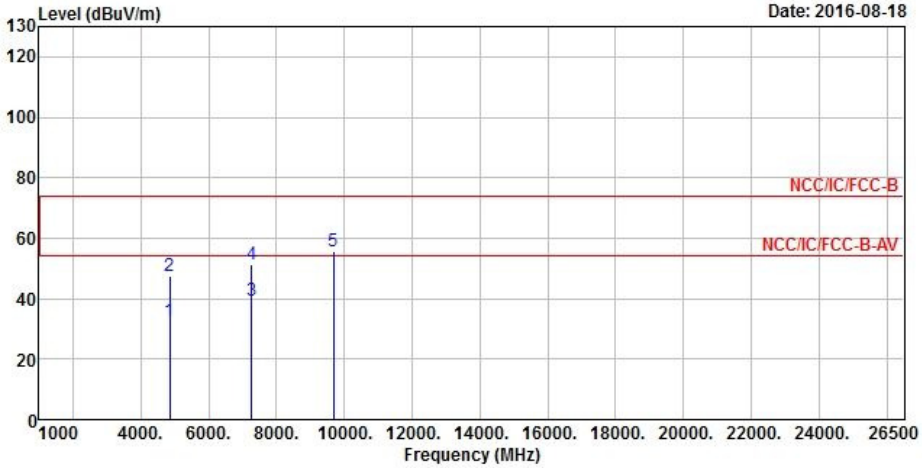
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT20	**Test Freq. (MHz)**	2462
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4924.000	33.13	-20.87	54.00	30.82	31.29	6.17	35.15	Average
2	4924.000	45.26	-28.74	74.00	42.95	31.29	6.17	35.15	Peak
3	7386.000	41.17	-12.83	54.00	32.67	36.30	7.63	35.43	Average
4	7386.000	53.18	-20.82	74.00	44.68	36.30	7.63	35.43	Peak
5	9848.000	55.81			43.93	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 (110.55 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

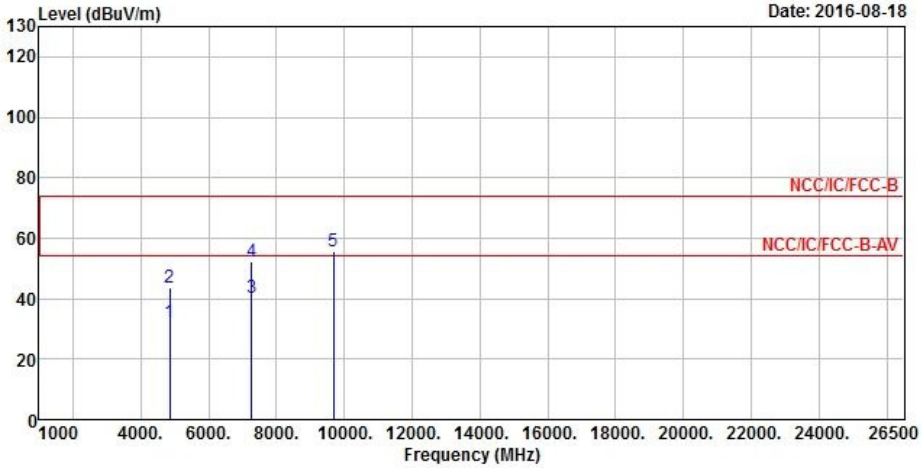
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (MHz)**	2422
N_{TX}	2	**Polarization**	V



	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	4844.000	32.53	-21.47	54.00	30.38	31.18	6.13	35.16	Average
2	4844.000	47.39	-26.61	74.00	45.24	31.18	6.13	35.16	Peak
3	7266.000	39.50	-14.50	54.00	31.34	35.99	7.59	35.42	Average
4	7266.000	51.30	-22.70	74.00	43.14	35.99	7.59	35.42	Peak
5	9688.000	55.51			43.91	38.71	8.84	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 (106.78dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

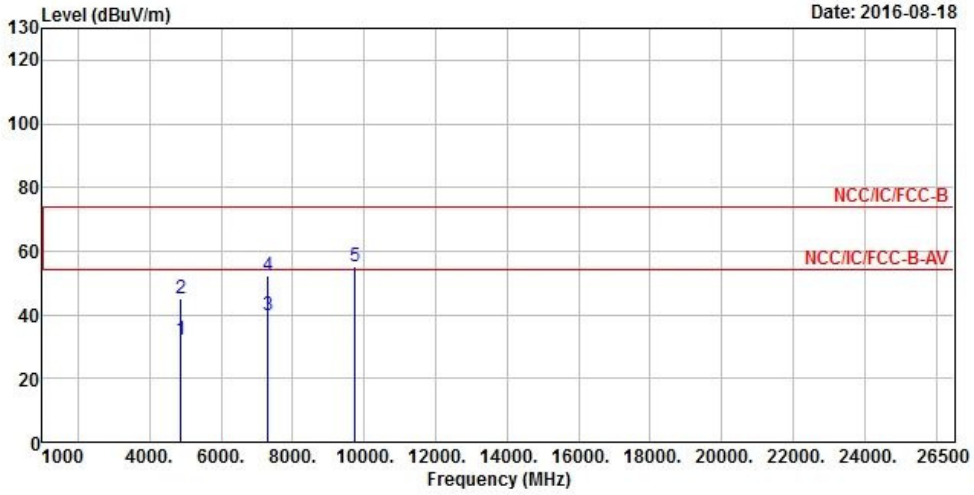
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (MHz)**	2422
N_{TX}	2	**Polarization**	H



	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	4844.000	31.97	-22.03	54.00	29.82	31.18	6.13	35.16	Average
2	4844.000	43.48	-30.52	74.00	41.33	31.18	6.13	35.16	Peak
3	7266.000	40.33	-13.67	54.00	32.17	35.99	7.59	35.42	Average
4	7266.000	52.33	-21.67	74.00	44.17	35.99	7.59	35.42	Peak
5	9688.000	55.66			44.06	38.71	8.84	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 (106.78 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

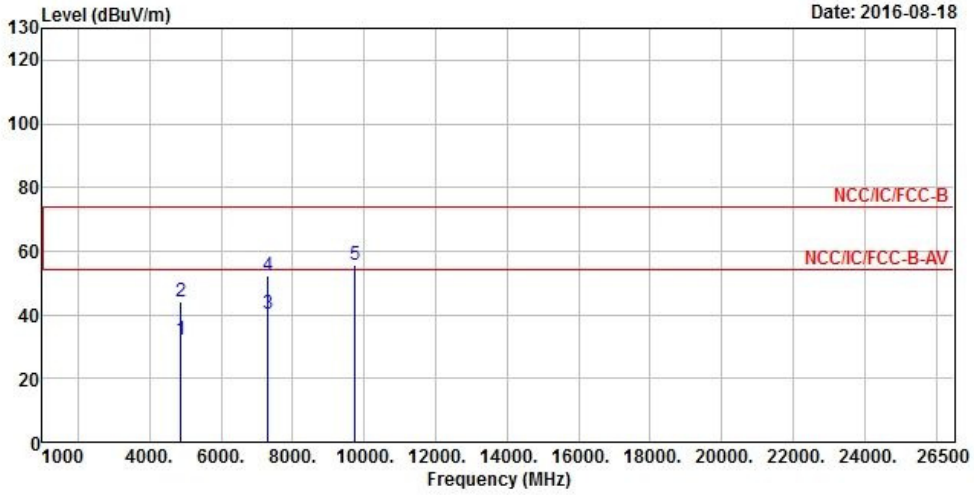
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (MHz)**	2437
N_{TX}	2	**Polarization**	V



	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	32.37	-21.63	54.00	30.18	31.22	6.13	35.16	Average
2	4874.000	45.03	-28.97	74.00	42.84	31.22	6.13	35.16	Peak
3	7311.000	39.66	-14.34	54.00	31.37	36.11	7.60	35.42	Average
4	7311.000	52.14	-21.86	74.00	43.85	36.11	7.60	35.42	Peak
5	9748.000	55.40			43.71	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 (107.43dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

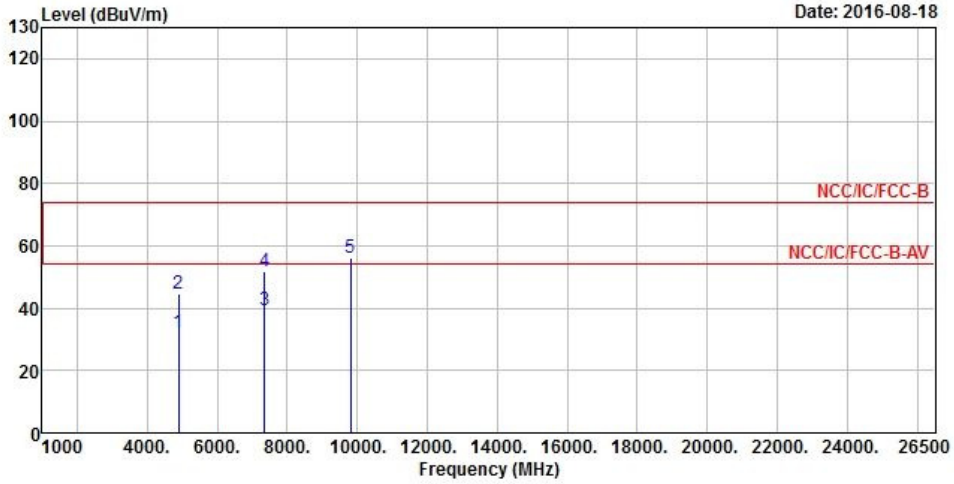
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (MHz)**	2437
N_{TX}	2	**Polarization**	H



	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	32.17	-21.83	54.00	29.98	31.22	6.13	35.16	Average
2	4874.000	44.04	-29.96	74.00	41.85	31.22	6.13	35.16	Peak
3	7311.000	40.46	-13.54	54.00	32.17	36.11	7.60	35.42	Average
4	7311.000	52.18	-21.82	74.00	43.89	36.11	7.60	35.42	Peak
5	9748.000	55.71			44.02	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 (107.43 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

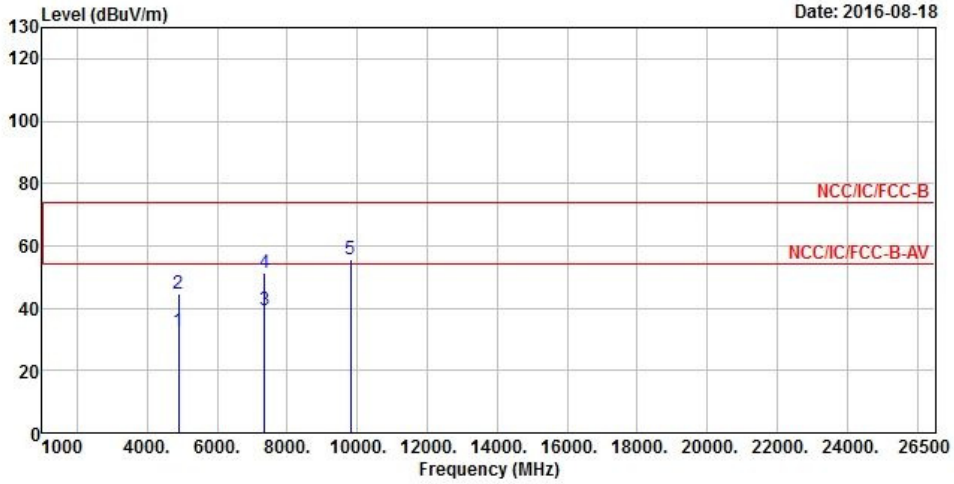
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (MHz)**	2452
N_{TX}	2	**Polarization**	V



	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	4904.000	32.29	-21.71	54.00	30.02	31.27	6.15	35.15	Average
2	4904.000	44.63	-29.37	74.00	42.36	31.27	6.15	35.15	Peak
3	7356.000	39.25	-14.75	54.00	30.84	36.23	7.61	35.43	Average
4	7356.000	51.68	-22.32	74.00	43.27	36.23	7.61	35.43	Peak
5	9808.000	55.91			44.10	38.78	8.99	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 (105.53 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	HT40	**Test Freq. (MHz)**	2452
N_{TX}	2	**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	4904.000	32.42	-21.58	54.00	30.15	31.27	6.15	35.15	Average
2	4904.000	44.45	-29.55	74.00	42.18	31.27	6.15	35.15	Peak
3	7356.000	39.37	-14.63	54.00	30.96	36.23	7.61	35.43	Average
4	7356.000	51.24	-22.76	74.00	42.83	36.23	7.61	35.43	Peak
5	9808.000	55.76			43.95	38.78	8.99	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 (105.53 dBuV/m).
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.