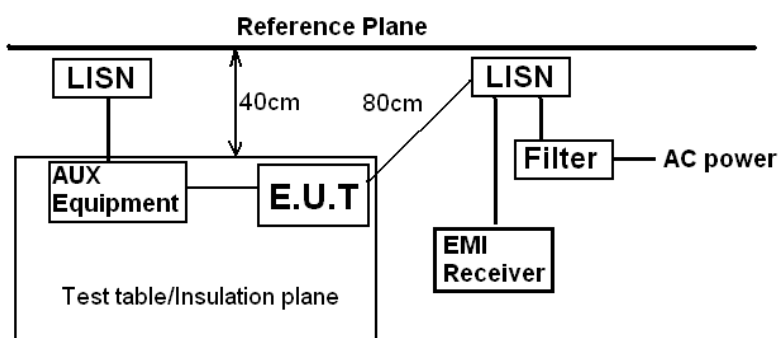
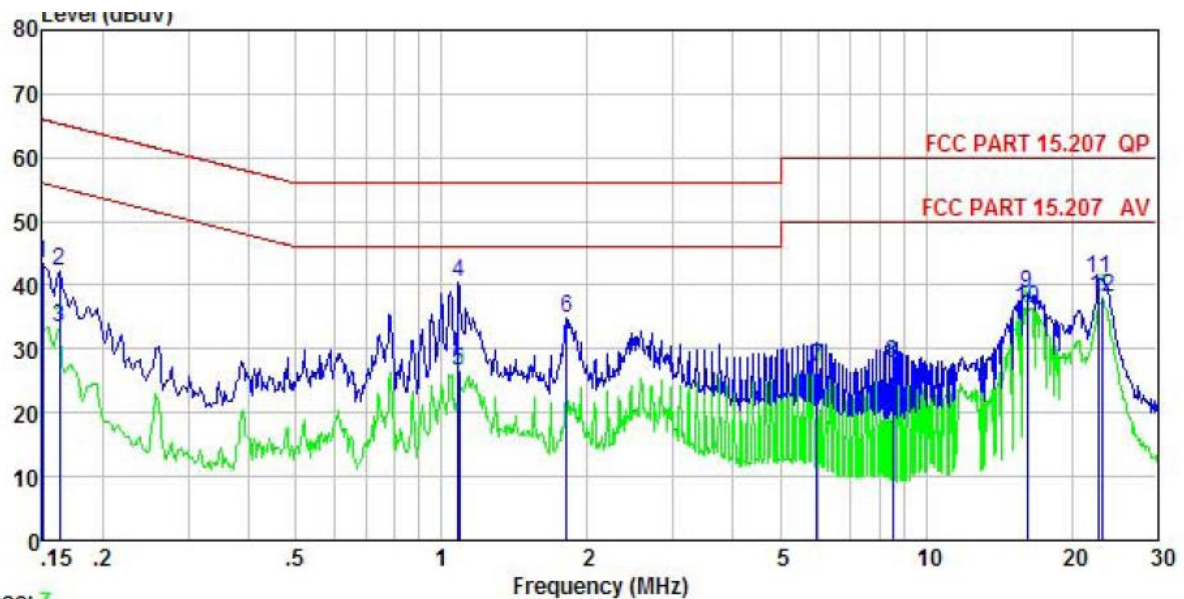


6.2 Conducted Emission

Test Requirement:	FCC Part 15 C Section 15.207		
Test Method:	ANSI C63.10: 2013		
Test Frequency Range:	150 kHz to 30 MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9 kHz, VBW=30 kHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
* Decreases with the logarithm of the frequency.			
Test procedure	- The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment. - The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). - Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.		
Test setup:	 Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m		
Test Instruments:	Refer to section 5.8 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Passed		

Measurement Data:

Test Phase: Neutral



Trace: 7

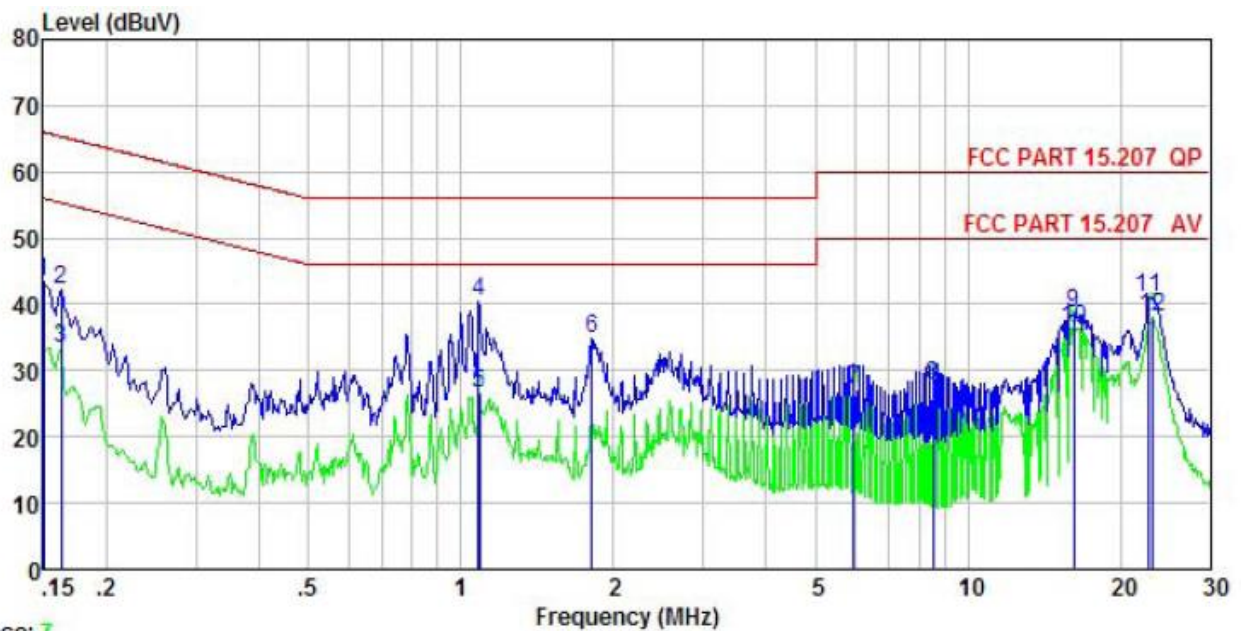
Site : CCIS Shielding Room
 Condition : FCC PART 15.207 QP LISN(RS) NEUTRAL
 EUT : 2.4GHz ITIR USB Module
 Model : UMO1C-7601-V1.0
 Test Mode : WIFI mode
 Power Rating : AC 230V/50Hz
 Environment : Temp: 23 °C Humi:56% Atmos:101KPa
 Test Engineer: Mike
 Remark :

	Freq	Read	LISN	Cable	Level	Limit	Over	
	MHz	Level	Factor	Loss	Line	Limit	Limit	Remark
		dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	31.86	0.70	10.78	43.34	66.00	-22.66	QP
2	0.162	30.86	0.70	10.77	42.33	65.34	-23.01	QP
3	0.162	22.03	0.70	10.77	33.50	55.34	-21.84	Average
4	1.082	28.80	0.67	10.88	40.35	56.00	-15.65	QP
5	1.088	15.04	0.67	10.88	26.59	46.00	-19.41	Average
6	1.810	23.08	0.67	10.95	34.70	56.00	-21.30	QP
7	5.961	15.72	0.70	10.82	27.24	50.00	-22.76	Average
8	8.546	16.20	0.69	10.88	27.77	50.00	-22.23	Average
9	16.140	27.00	0.69	10.91	38.60	60.00	-21.40	QP
10	16.226	24.79	0.69	10.91	36.39	50.00	-13.61	Average
11	22.775	29.54	0.69	10.90	41.13	60.00	-18.87	QP
12	23.140	26.52	0.69	10.89	38.10	50.00	-11.90	Average

Notes:

1. An initial pre-scan was performed on the live and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss.

Test Phase: Line



Trace: 7

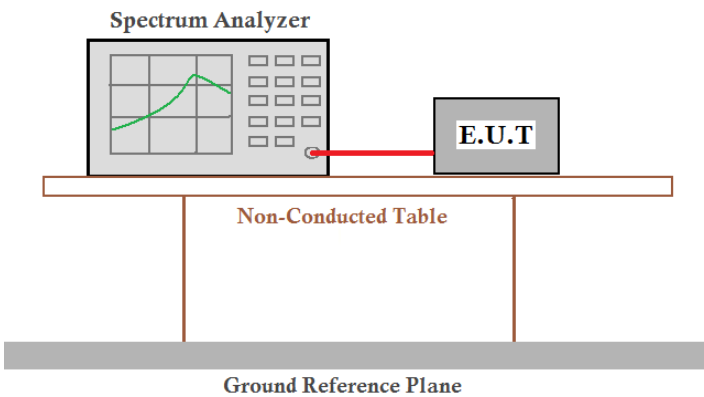
Site : CCIS Shielding Room
 Condition : FCC PART 15.207 QP LISN(RS) NEUTRAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test Mode : WIFI mode
 Power Rating : AC 120V/60Hz
 Environment : Temp: 23 °C Humi:56% Atmos:101KPa
 Test Engineer: Mike
 Remark :

	Read	LISN	Cable		Limit	Over	
Freq	Level	Factor	Loss	Level	Line	Limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	31.86	0.70	10.78	43.34	66.00	-22.66 QP
2	0.162	30.86	0.70	10.77	42.33	65.34	-23.01 QP
3	0.162	22.03	0.70	10.77	33.50	55.34	-21.84 Average
4	1.082	28.80	0.67	10.88	40.35	56.00	-15.65 QP
5	1.088	15.04	0.67	10.88	26.59	46.00	-19.41 Average
6	1.810	23.08	0.67	10.95	34.70	56.00	-21.30 QP
7	5.961	15.72	0.70	10.82	27.24	50.00	-22.76 Average
8	8.546	16.20	0.69	10.88	27.77	50.00	-22.23 Average
9	16.140	27.00	0.69	10.91	38.60	60.00	-21.40 QP
10	16.226	24.79	0.69	10.91	36.39	50.00	-13.61 Average
11	22.775	29.54	0.69	10.90	41.13	60.00	-18.87 QP
12	23.140	26.52	0.69	10.89	38.10	50.00	-11.90 Average

Notes:

1. An initial pre-scan was performed on the live and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss.

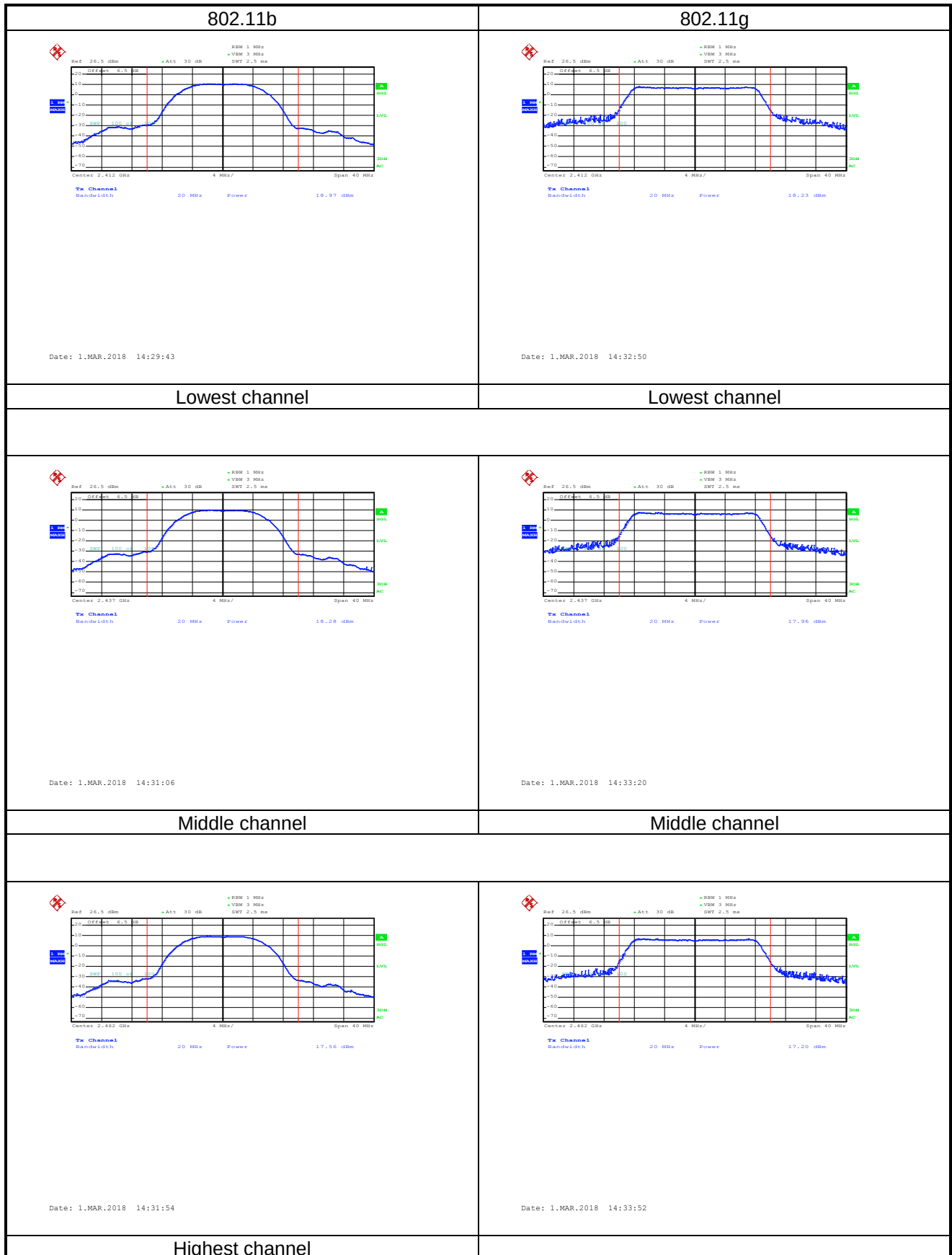
6.3 Conducted Output Power

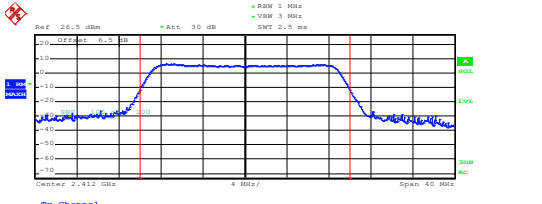
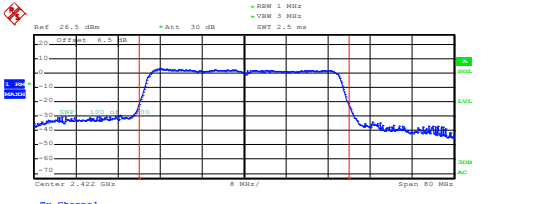
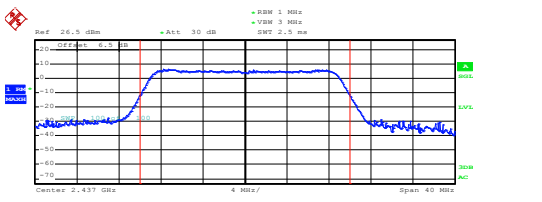
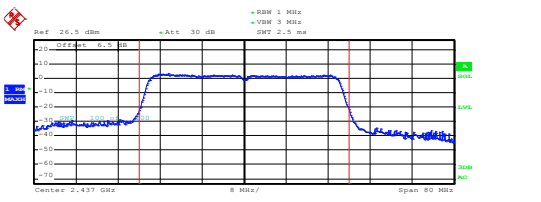
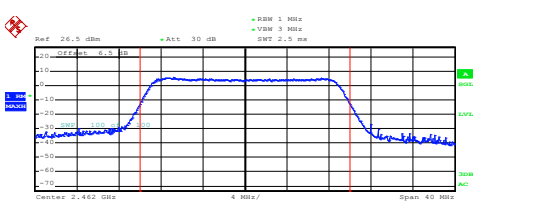
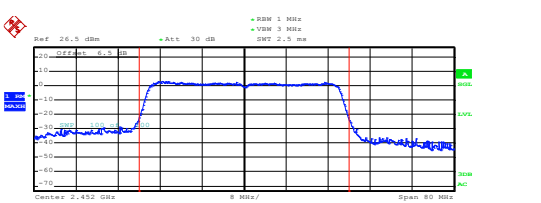
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	30dBm
Test setup:	
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

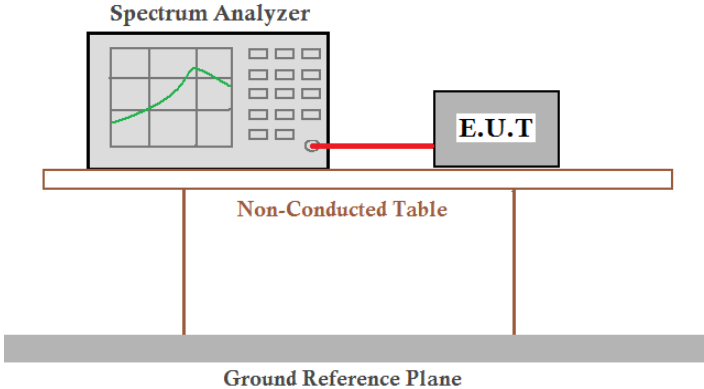
Test CH	Maximum Conducted Output Power (dBm)				Limit(dBm)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	18.97	18.23	16.87	16.32	30.00	Pass
Middle	18.28	17.96	16.57	16.35		
Highest	17.56	17.20	15.87	15.97		

Test plot as follows:



802.11n(HT20)  Date: 1.MAR.2018 14:36:33	802.11n(HT40)  Date: 1.MAR.2018 14:38:48
Lowest channel	Lowest channel
 Date: 1.MAR.2018 14:36:51	 Date: 1.MAR.2018 14:39:16
Middle channel	Middle channel
 Date: 1.MAR.2018 14:37:11	 Date: 1.MAR.2018 14:39:55
Highest channel	Highest channel

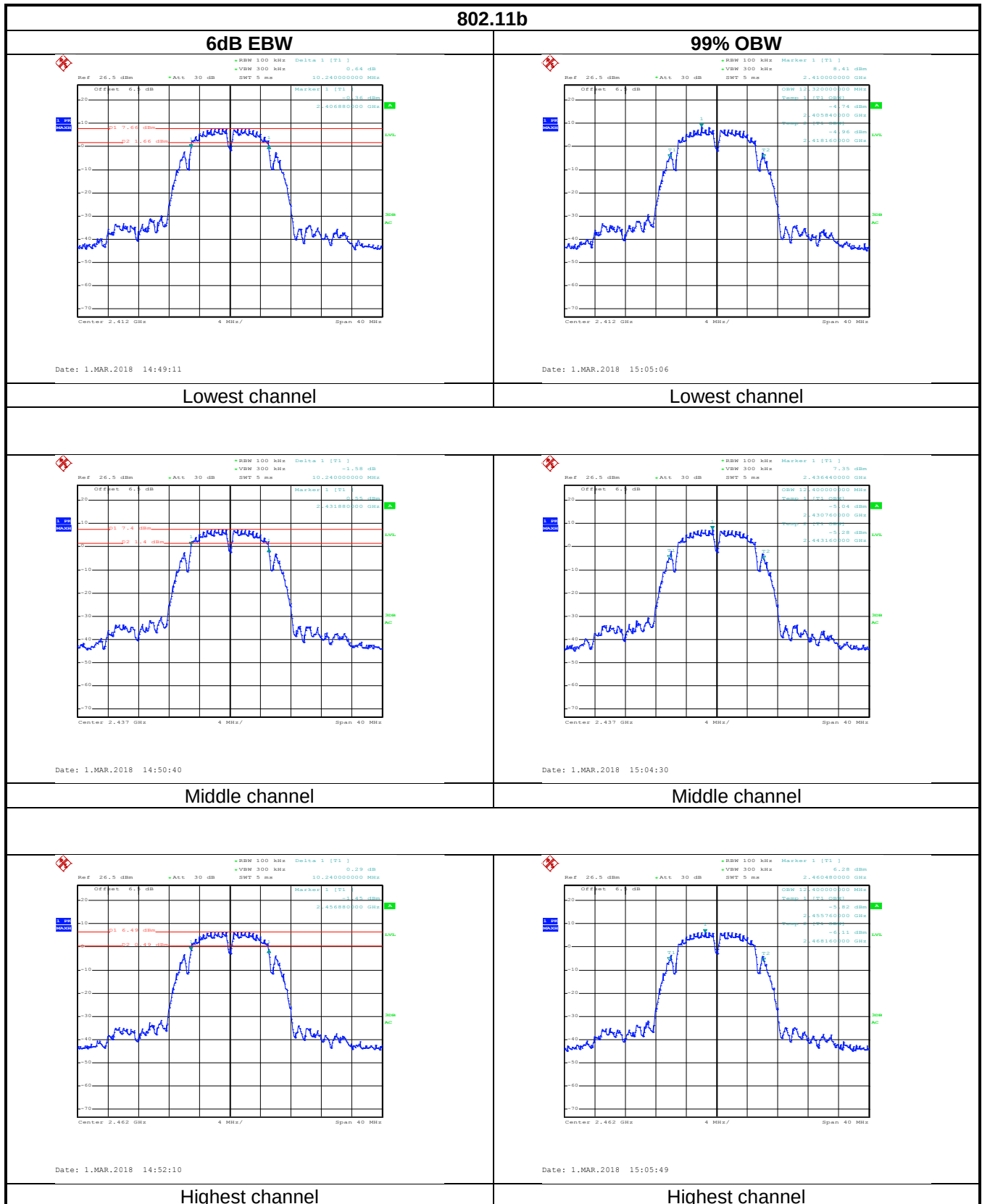
6.4 Occupy Bandwidth

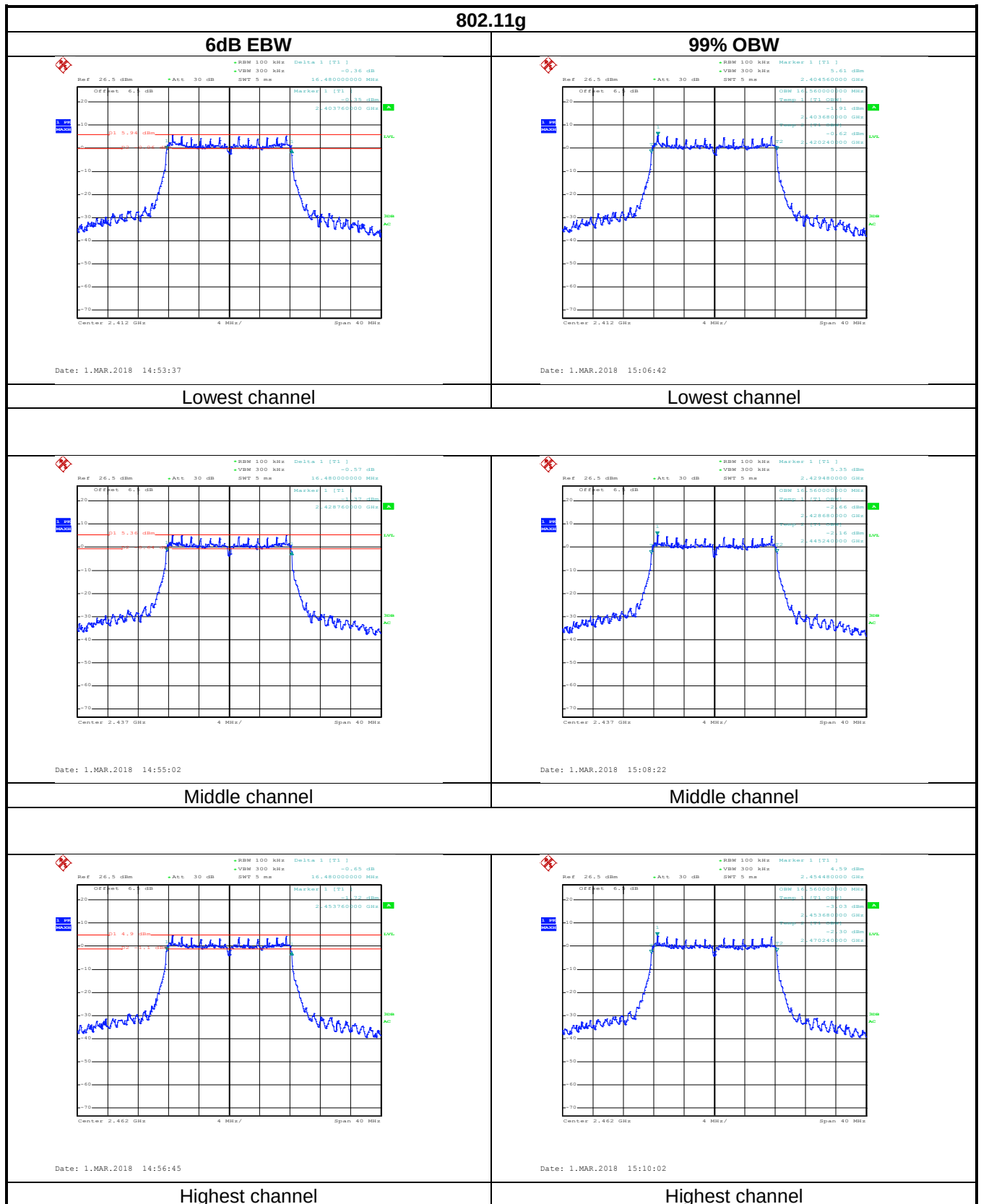
Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	>500kHz
Test setup:	
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

Test CH	6dB Emission Bandwidth (MHz)				Limit(kHz)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	10.24	16.48	17.20	35.52	>500	Pass
Middle	10.24	16.48	17.28	35.52		
Highest	10.24	16.48	17.28	35.52		
Test CH	99% Occupy Bandwidth (MHz)				Limit(kHz)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	12.32	16.56	17.60	36.00	N/A	N/A
Middle	12.40	16.56	17.60	36.00		
Highest	12.40	16.56	17.60	36.00		

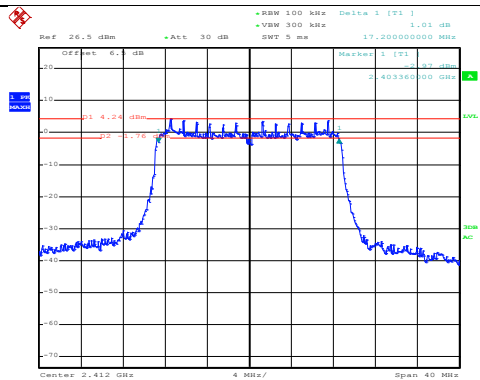
Test plot as follows:





802.11n(H20)

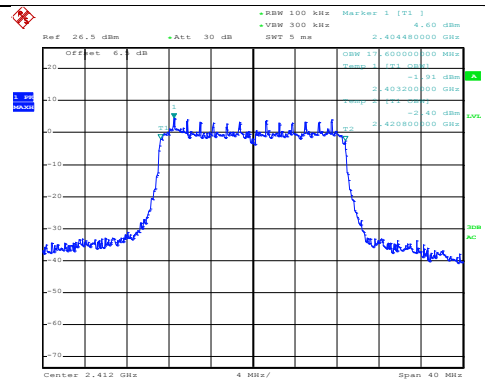
6dB EBW



Date: 1.MAR.2018 14:59:04

Lowest channel

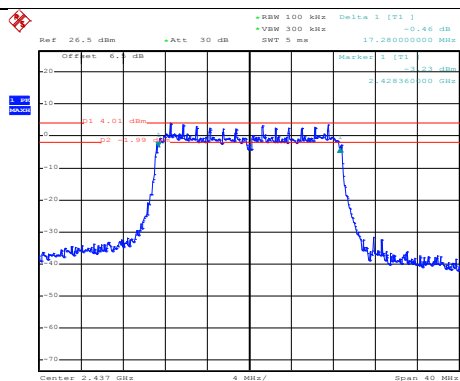
99% OBW



Date: 1.MAR.2018 15:14:33

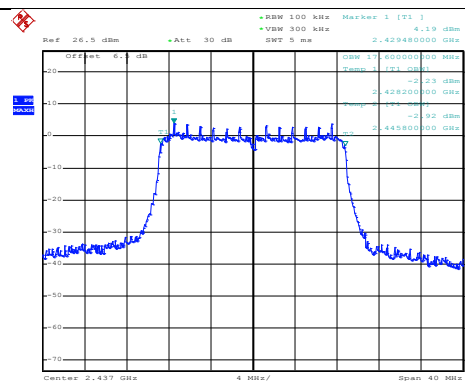
Lowest channel

Middle channel



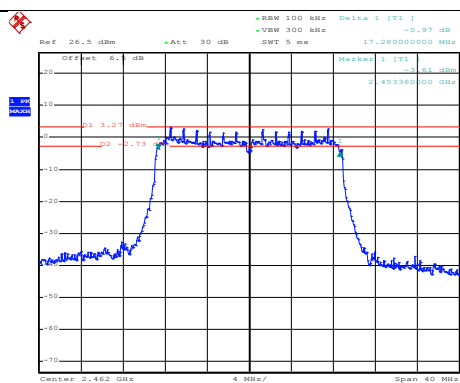
Date: 1.MAR.2018 15:00:20

Middle channel



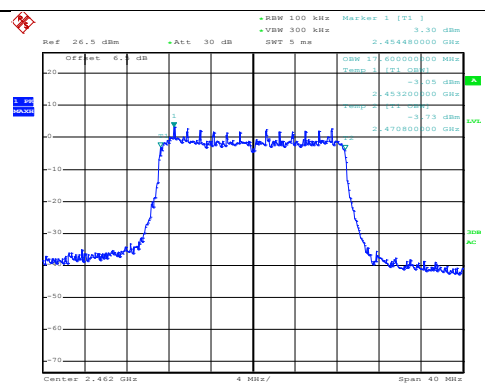
Date: 1.MAR.2018 15:15:44

Highest channel

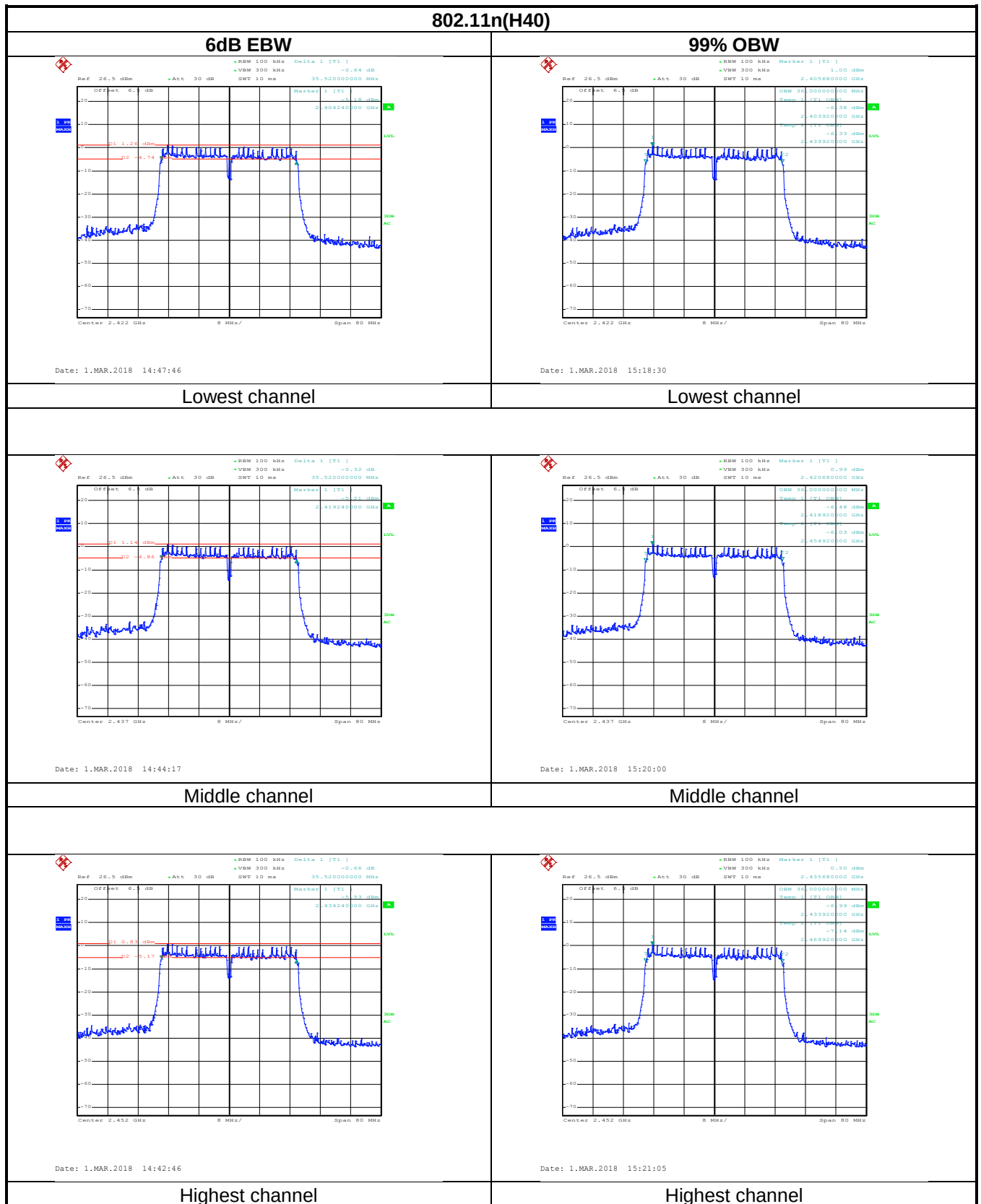


Date: 1.MAR.2018 15:02:03

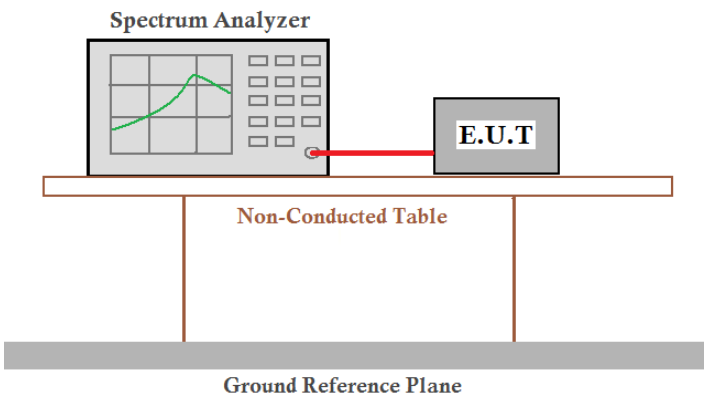
Highest channel



Date: 1.MAR.2018 15:17:17



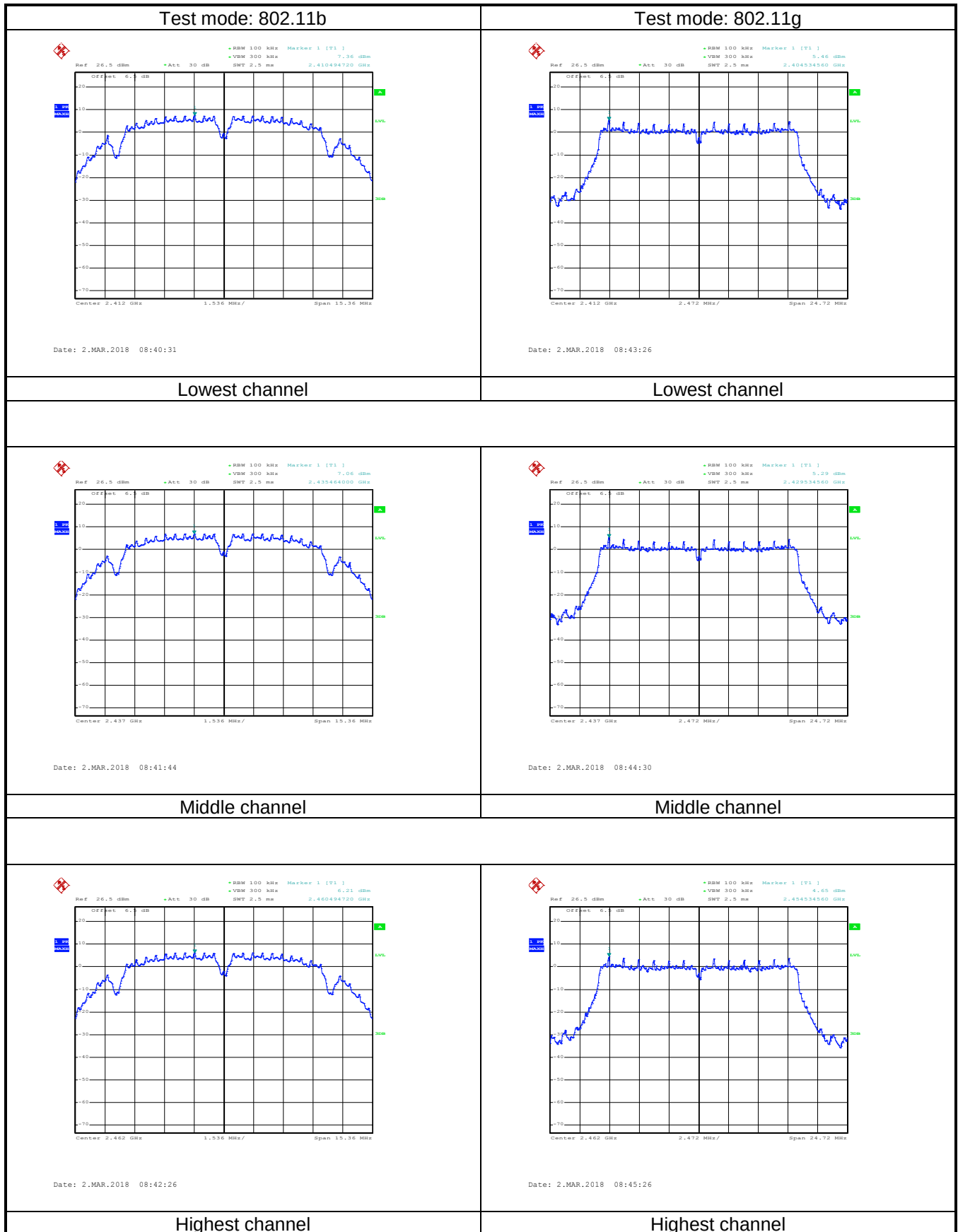
6.5 Power Spectral Density

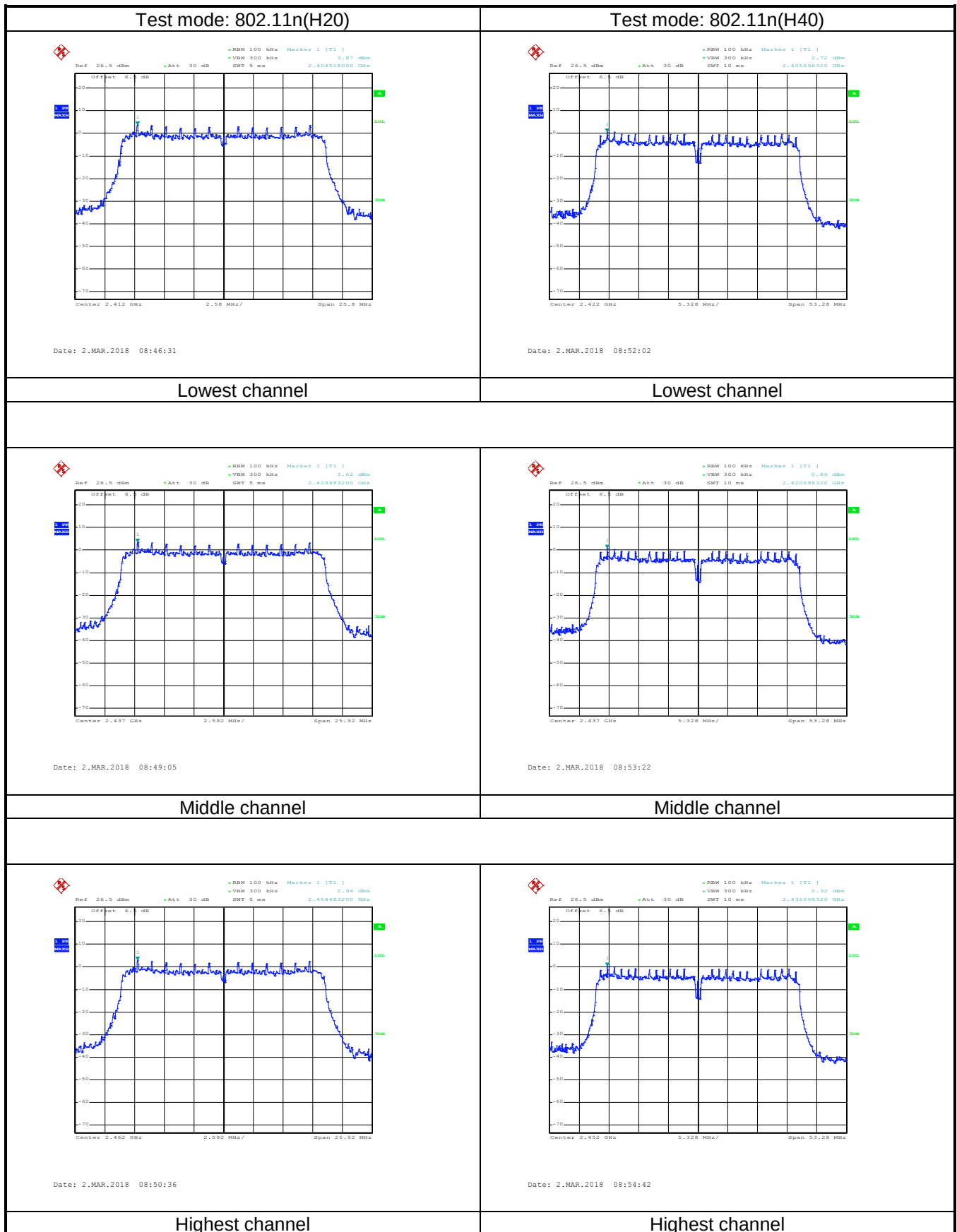
Test Requirement:	FCC Part 15 C Section 15.247 (e)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	8dBm
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

Test CH	Power Spectral Density (dBm)				Limit(dBm)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	7.36	5.46	3.87	0.72	8.00	Pass
Middle	7.06	5.29	3.62	0.86		
Highest	6.21	4.65	2.94	0.32		

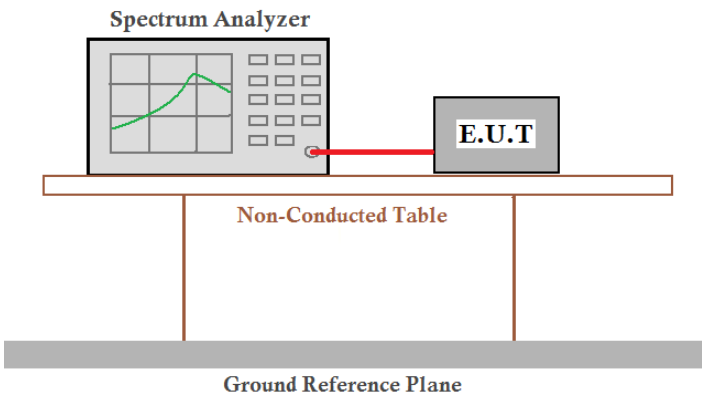
Test plot as follows:



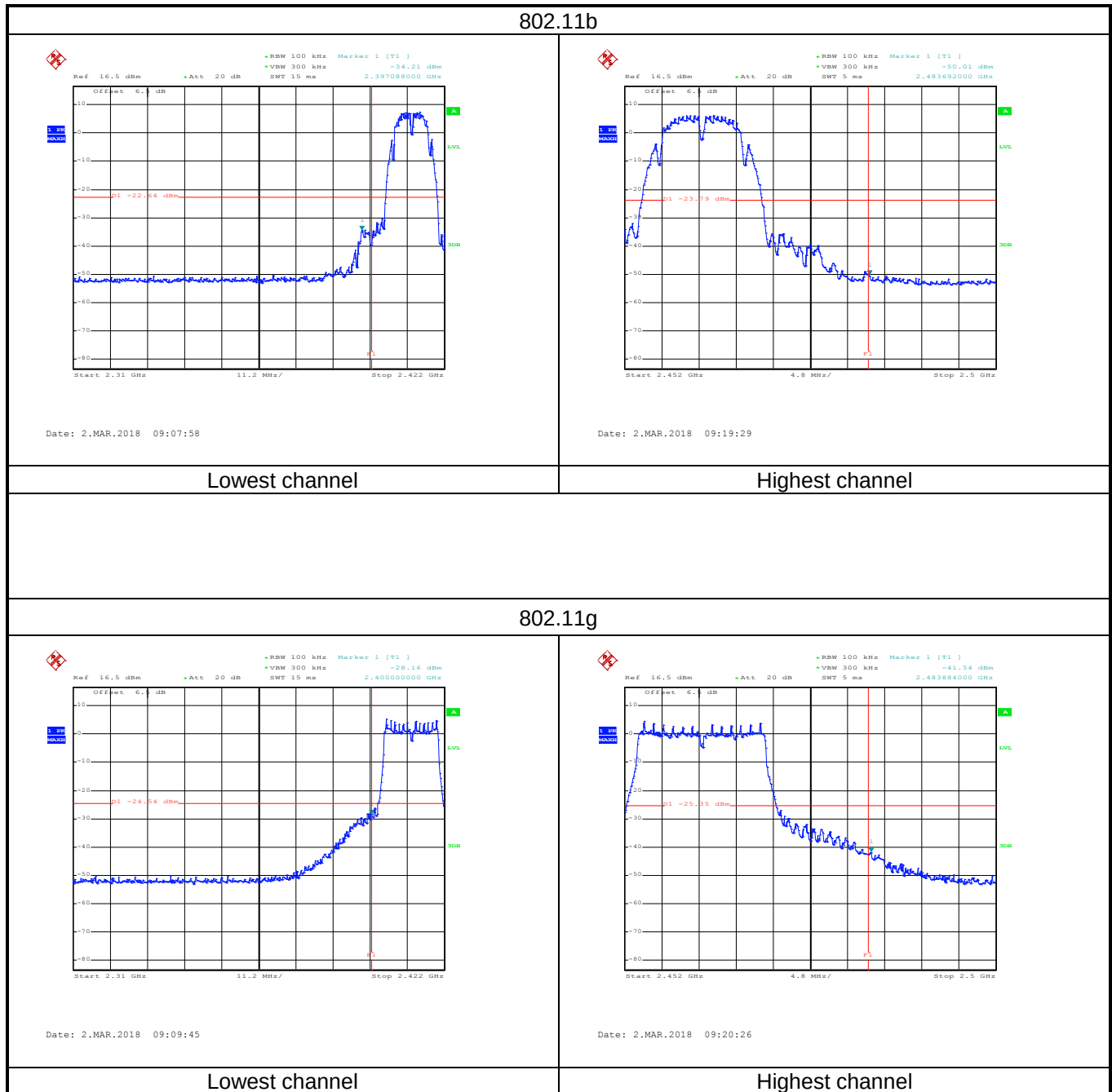


6.6 Band Edge

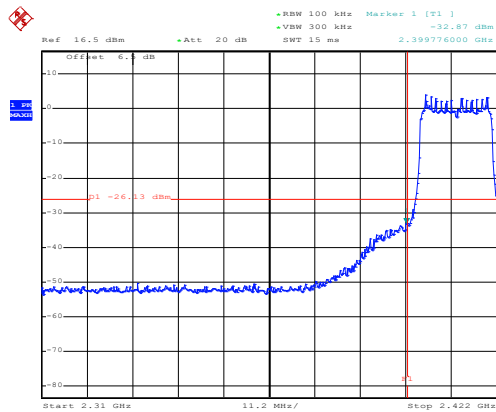
6.6.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Test plot as follows:

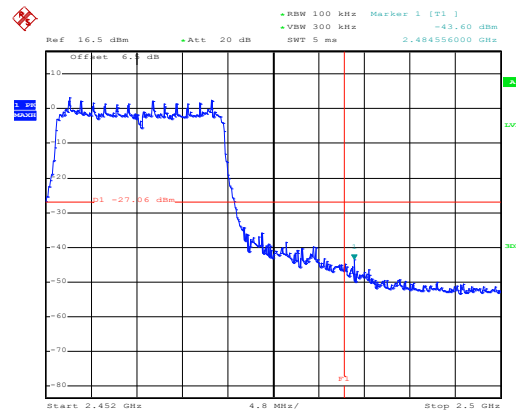


802.11n(H20)



Date: 2.MAR.2018 09:50:19

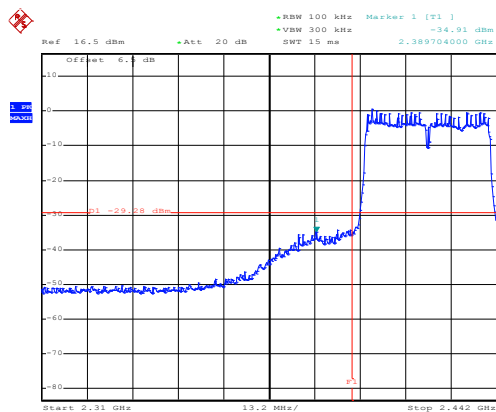
Lowest channel



Date: 2.MAR.2018 09:22:17

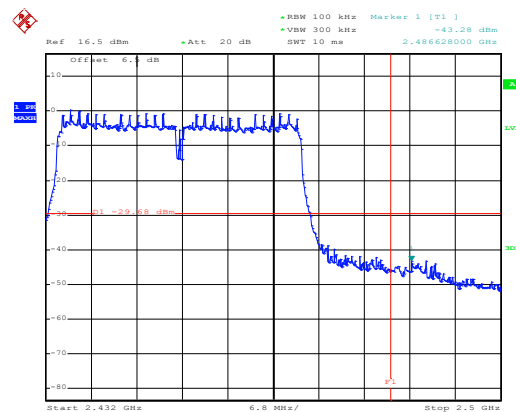
Highest channel

802.11n(H40)



Date: 2.MAR.2018 09:16:18

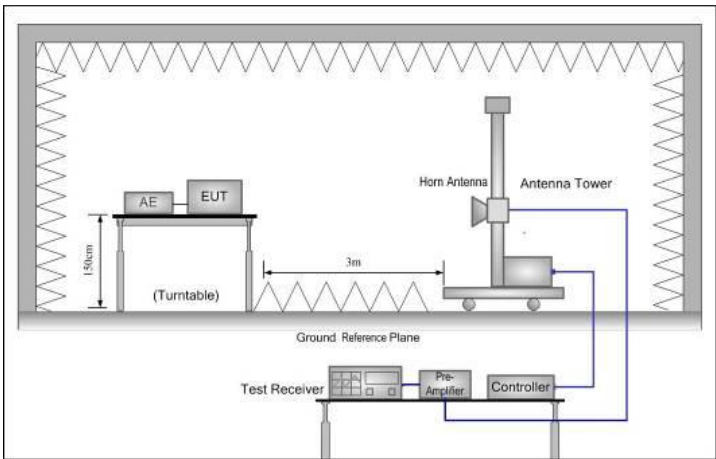
Lowest channel



Date: 2.MAR.2018 09:48:25

Highest channel

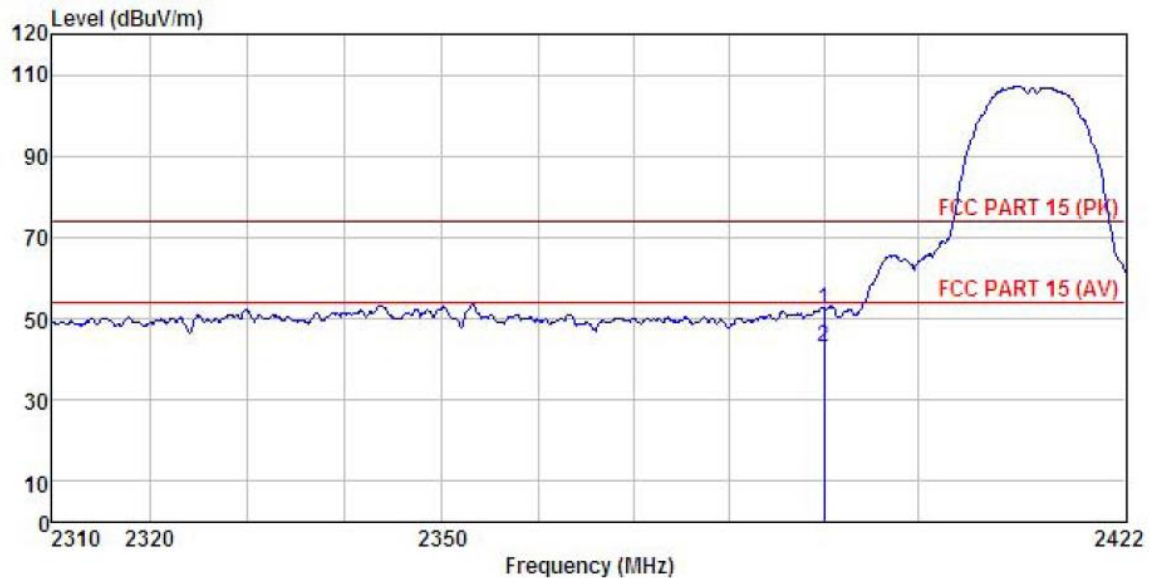
6.6.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10: 2013 and KDB 558074				
Test Frequency Range:	2.3GHz to 2.5GHz				
Test Distance:	3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		RMS	1MHz	3MHz	Average Value
Limit:	Frequency	Limit (dBuV/m @3m)		Remark	
	Above 1GHz	54.00		Average Value	
		74.00		Peak Value	
Test Procedure:	1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.				
Test setup:					
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

802.11b

Test channel: Lowest channel

Test Polarization: Horizontal



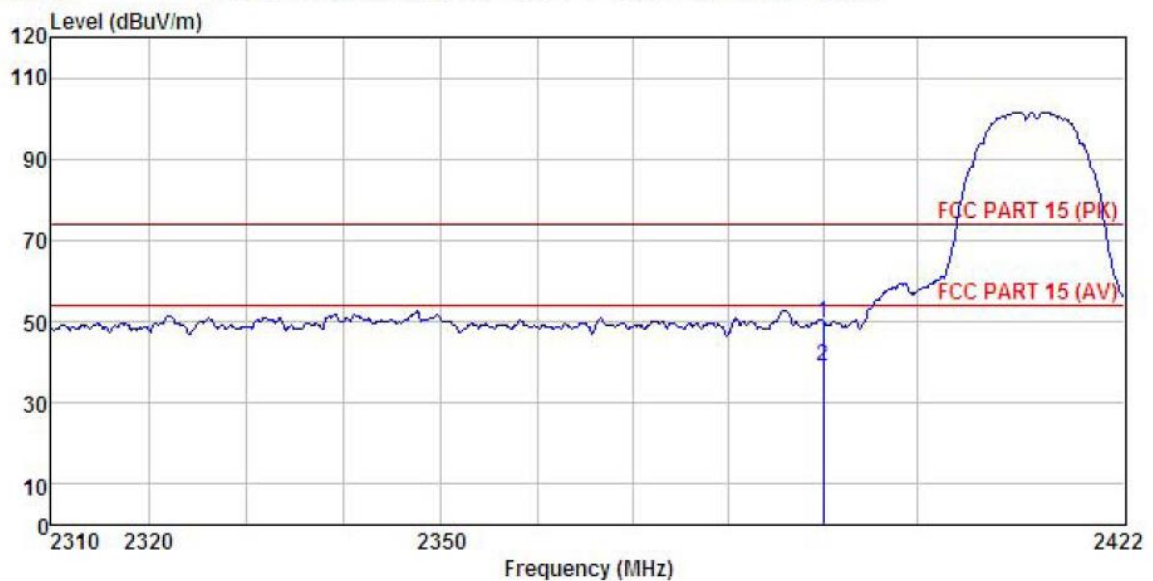
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11b-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
		dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	22.10	25.45	4.69	0.00	52.24	74.00	-21.76	Peak
2	2390.000	12.81	25.45	4.69	0.00	42.95	54.00	-11.05	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test Polarization: Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11b-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

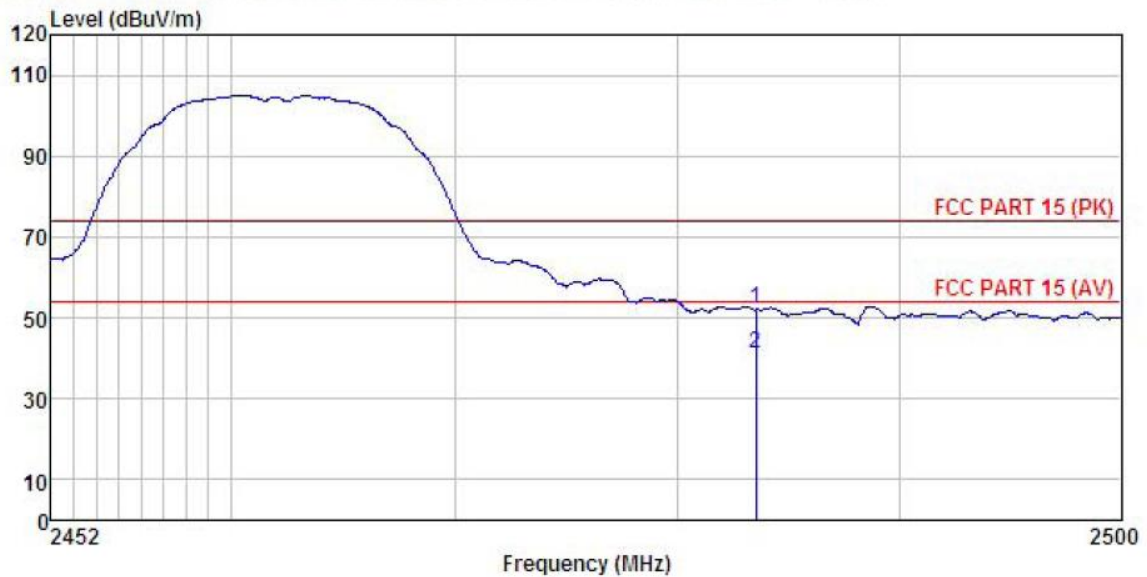
	ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 2390.000	19.46	25.45	4.69	0.00	49.60	74.00	-24.40 Peak
2 2390.000	8.95	25.45	4.69	0.00	39.09	54.00	-14.91 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest channel

Test Polarization: Horizontal



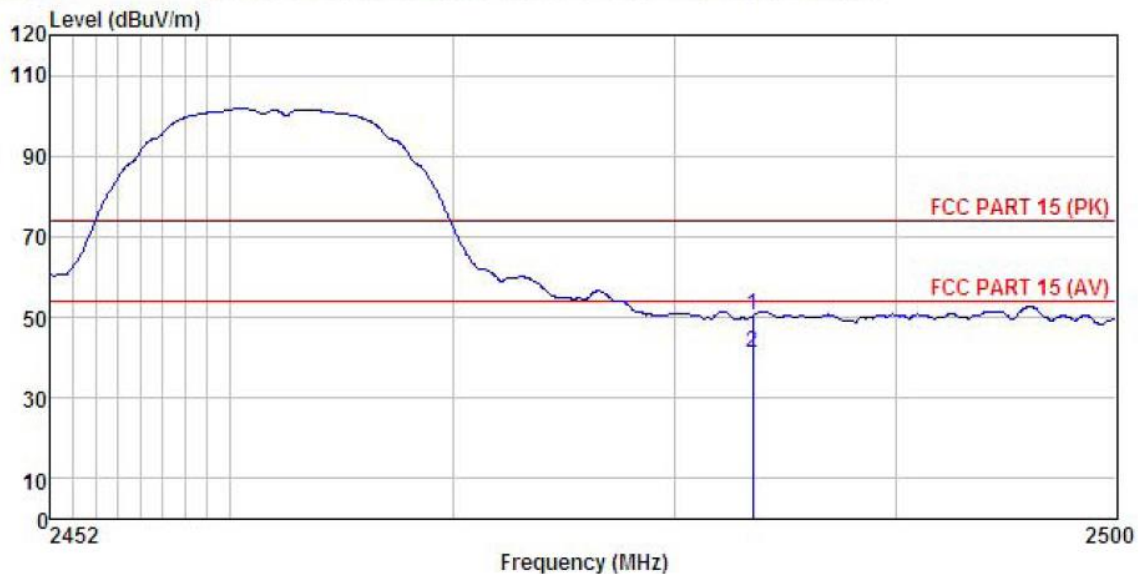
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11b-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

		ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	21.58	25.66	4.81	0.00	52.05	74.00	-21.95 Peak
2	2483.500	10.72	25.66	4.81	0.00	41.19	54.00	-12.81 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test Polarization: Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11b-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 2483.500	19.85	25.66	4.81	0.00	50.32	74.00	-23.68 Peak
2 2483.500	10.62	25.66	4.81	0.00	41.09	54.00	-12.91 Average

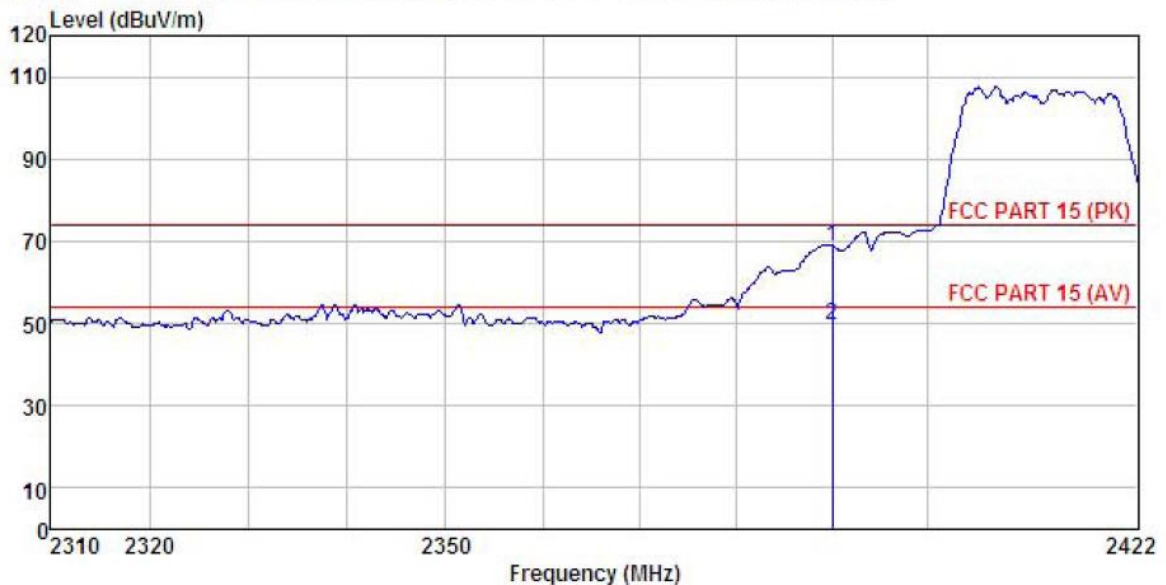
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11g

Test channel: Lowest channel

Test Polarization: Horizontal



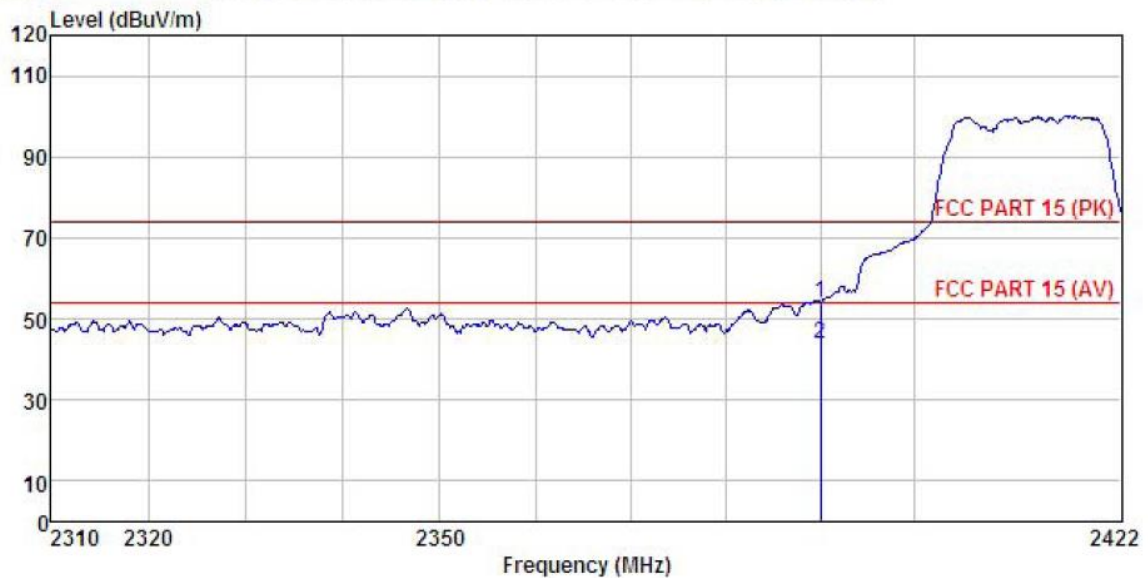
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11g-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

		ReadAntenna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	38.70	25.45	4.69	0.00	68.84	74.00	-5.16 Peak
2	2390.000	19.42	25.45	4.69	0.00	49.56	54.00	-4.44 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test Polarization: Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UMO1C-7601-V1.0
 Test mode : 802.11g-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

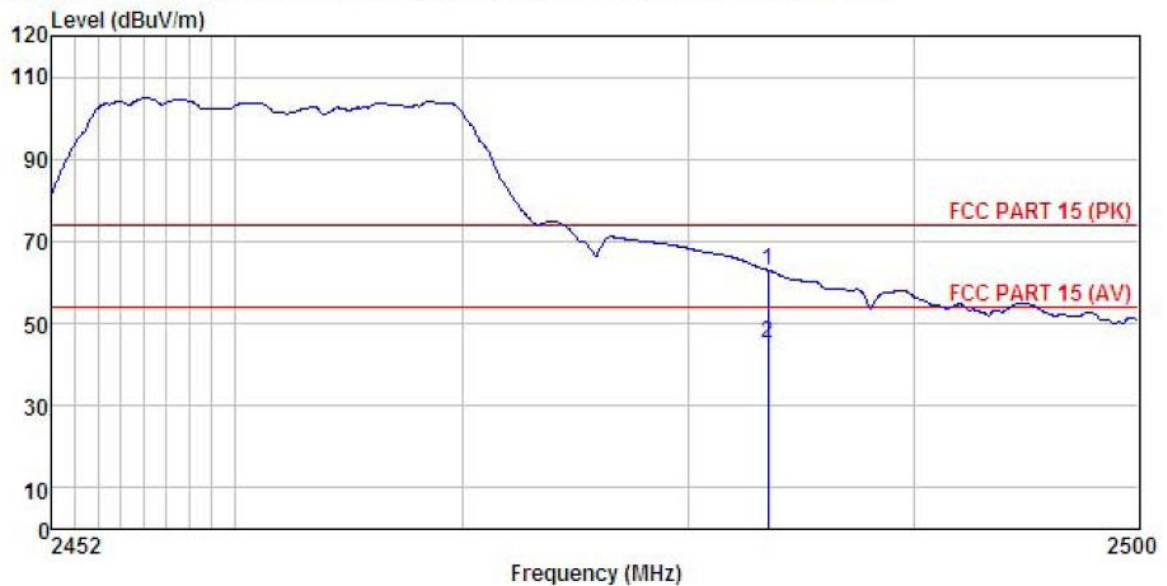
	Read	Antenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 2390.000	24.04	25.45	4.69	0.00	54.18	74.00	-19.82	Peak
2 2390.000	13.59	25.45	4.69	0.00	43.73	54.00	-10.27	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest channel

Test Polarization: Horizontal



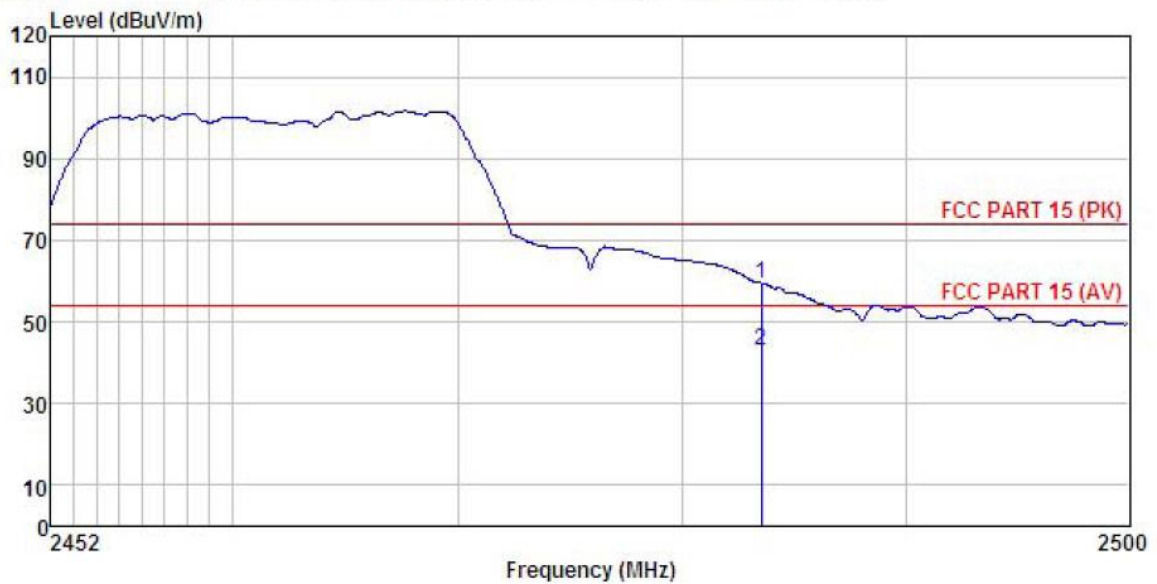
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UMO1C-7601-V1.0
 Test mode : 802.11g-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	32.51	25.66	4.81	0.00	62.98	74.00	-11.02	Peak
2	2483.500	14.64	25.66	4.81	0.00	45.11	54.00	-8.89	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test Polarization: Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11g-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

		ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	29.06	25.66	4.81	0.00	59.53	74.00	-14.47 Peak
2	2483.500	12.39	25.66	4.81	0.00	42.86	54.00	-11.14 Average

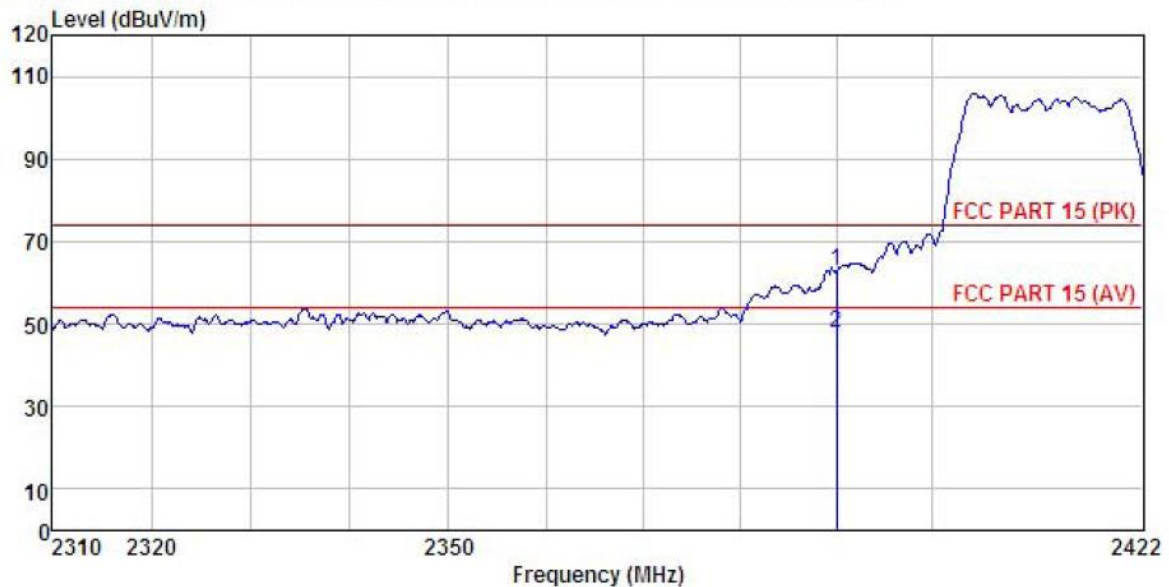
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n (H20)

Test channel: Lowest channel

Test Polarization: Horizontal



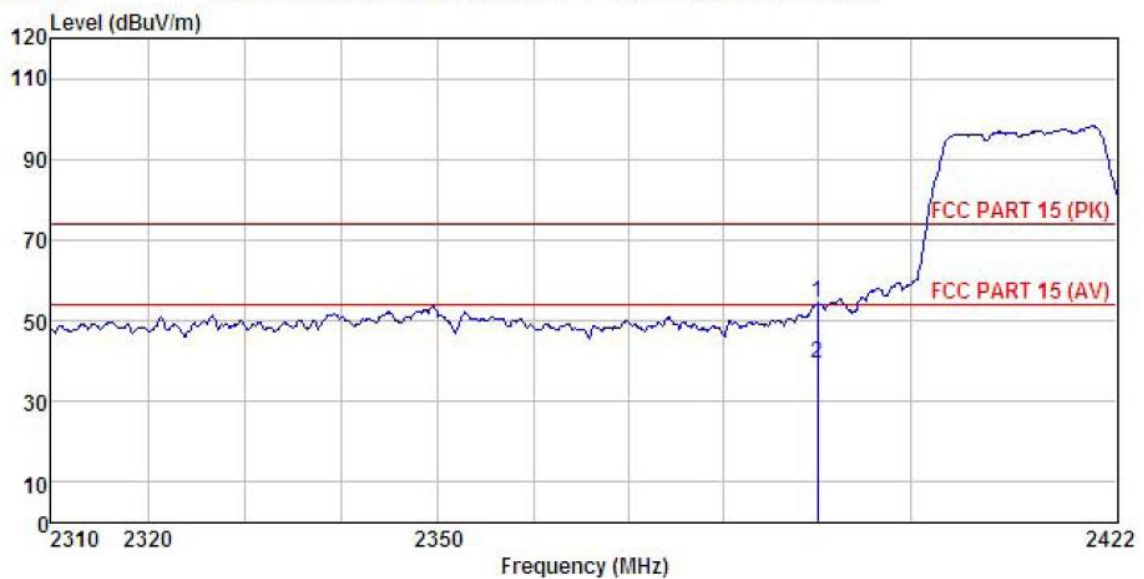
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11n20-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Level	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	32.81	25.45	4.69	0.00	62.95	74.00	-11.05 Peak
2	2390.000	17.75	25.45	4.69	0.00	47.89	54.00	-6.11 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test Polarization: Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11n20-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

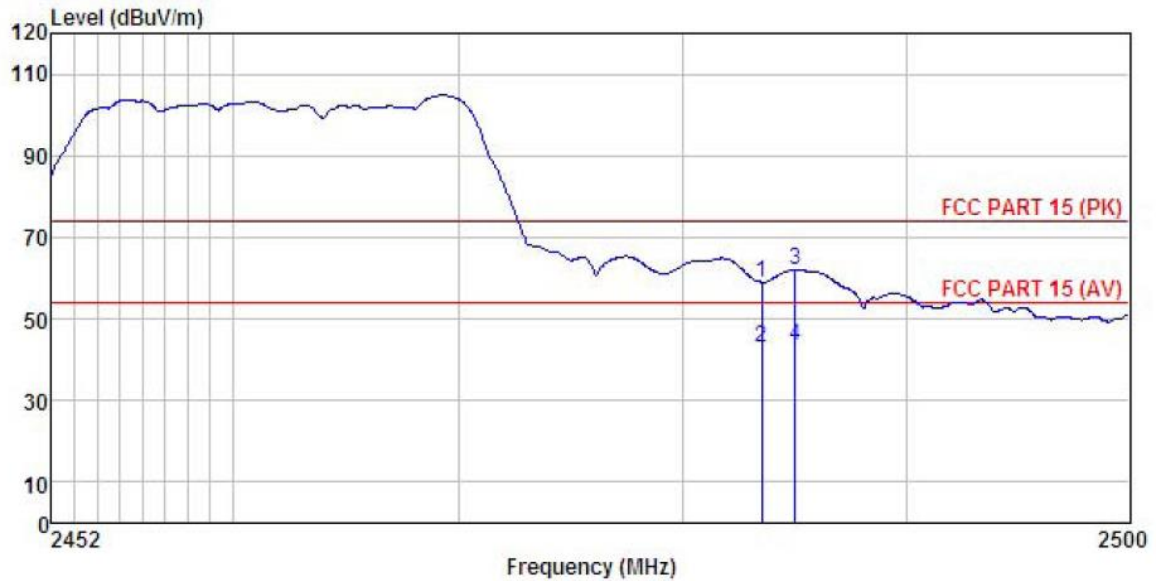
	ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
-----MHz-----	-----dBuV-----	-----dB/m-----	-----dB-----	-----dB-----	-----dBuV/m-----	-----dBuV/m-----	-----dB-----
1 2390.000	24.11	25.45	4.69	0.00	54.25	74.00	-19.75 Peak
2 2390.000	9.29	25.45	4.69	0.00	39.43	54.00	-14.57 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest channel

Test Polarization: Horizontal



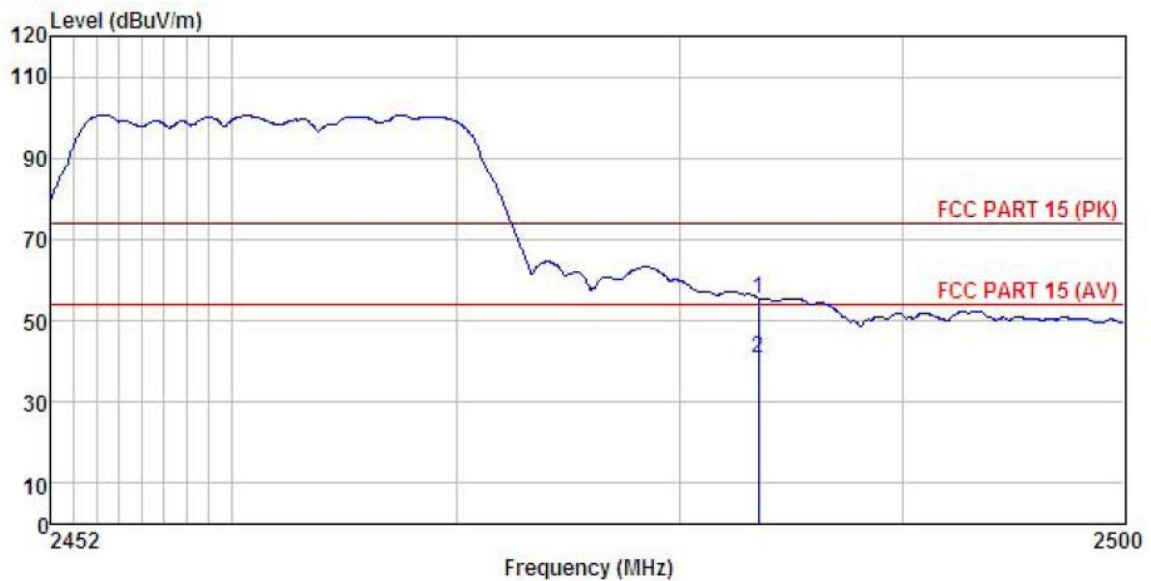
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11n20-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 2483.500	28.38	25.66	4.81	0.00	58.85	74.00	-15.15 Peak
2 2483.500	12.70	25.66	4.81	0.00	43.17	54.00	-10.83 Average
3 2485.020	31.56	25.66	4.81	0.00	62.03	74.00	-11.97 Peak
4 2485.020	12.98	25.66	4.81	0.00	43.45	54.00	-10.55 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test Polarization: Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11n20-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

	Read	Antenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	24.86	25.66	4.81	0.00	55.33	74.00	-18.67 Peak
2	2483.500	10.09	25.66	4.81	0.00	40.56	54.00	-13.44 Average

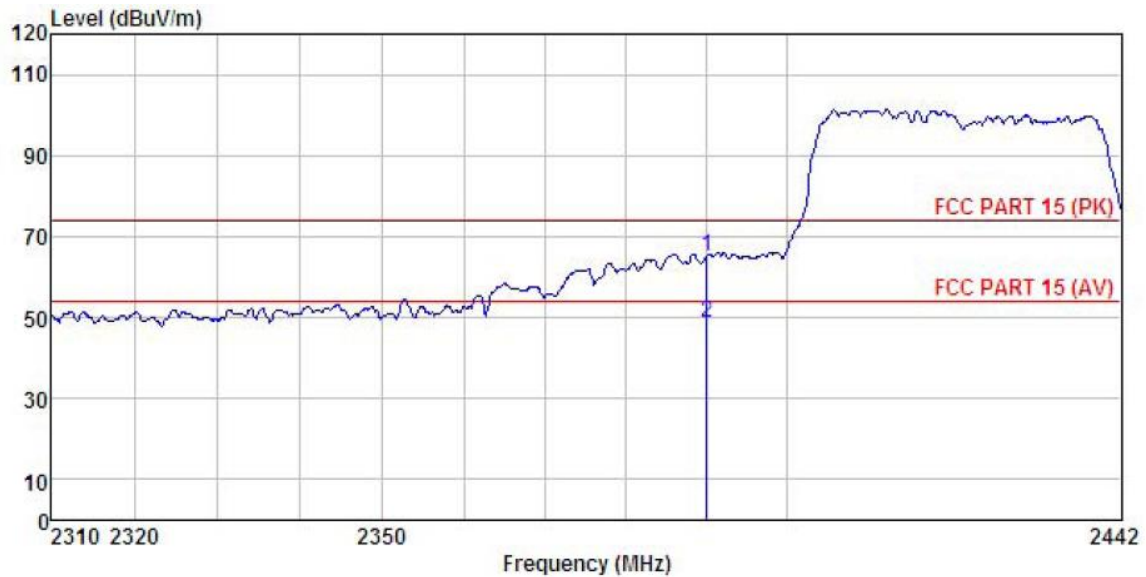
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n (H40)

Test channel: Lowest channel

Test Polarization: Horizontal



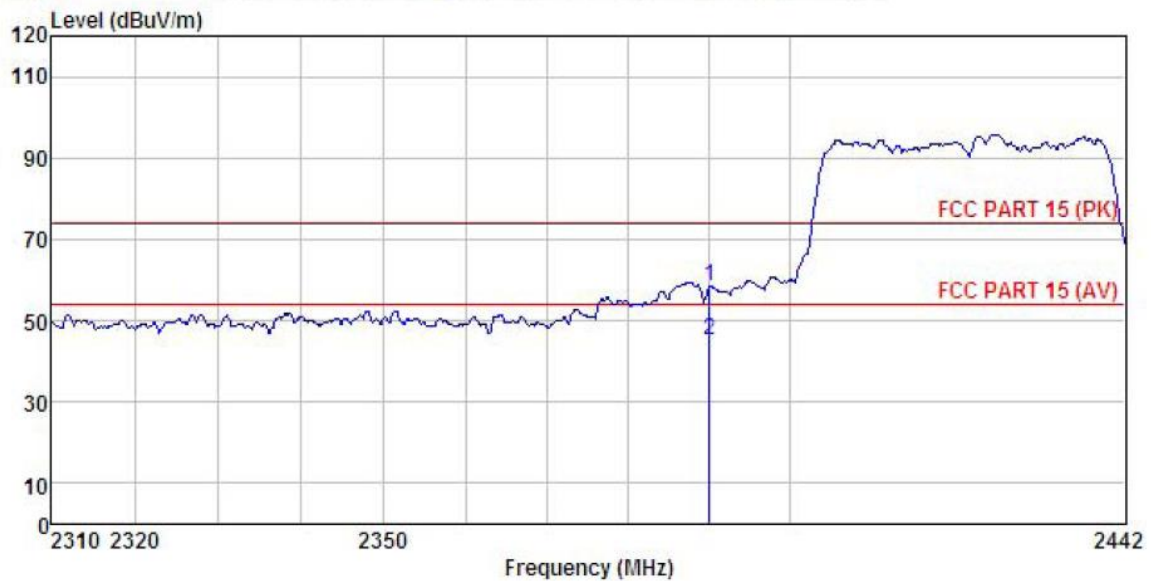
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11n40-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 2390.000	35.08	25.45	4.69	0.00	65.22	74.00	-8.78 Peak
2 2390.000	18.79	25.45	4.69	0.00	48.93	54.00	-5.07 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test Polarization: Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UMO1C-7601-V1.0
 Test mode : 802.11n40-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

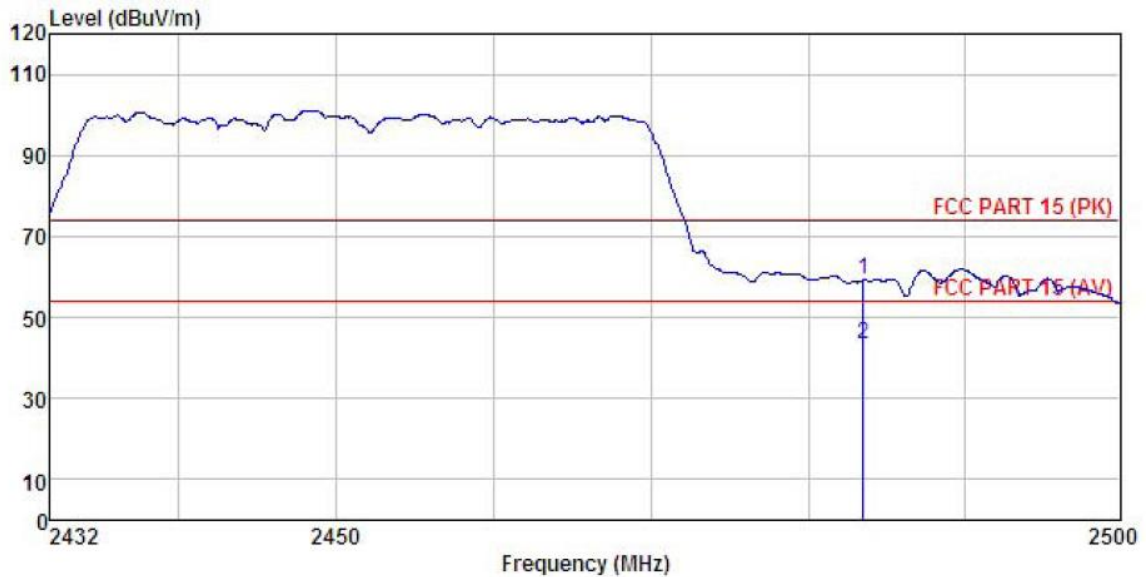
	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	28.13	25.45	4.69	0.00	58.27	74.00	-15.73	Peak
2	2390.000	14.88	25.45	4.69	0.00	45.02	54.00	-8.98	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest channel

Test Polarization: Horizontal



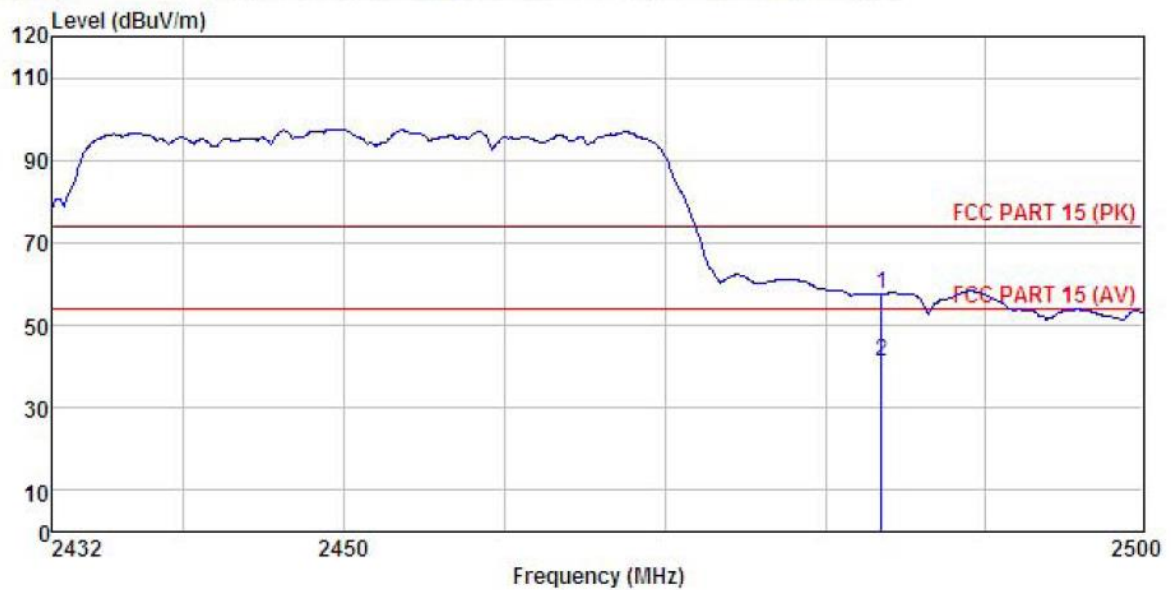
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UMO1C-7601-V1.0
 Test mode : 802.11n40-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

	ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	28.70	25.66	4.81	0.00	59.17	74.00 -14.83 Peak
2	2483.500	12.89	25.66	4.81	0.00	43.36	54.00 -10.64 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test Polarization: Vertical



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : 802.11n40-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

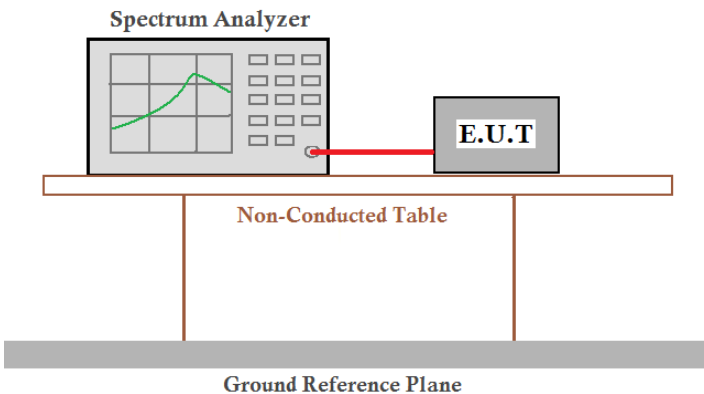
	ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 2483.500	27.14	25.66	4.81	0.00	57.61	74.00	-16.39 Peak
2 2483.500	10.60	25.66	4.81	0.00	41.07	54.00	-12.93 Average

Remark:

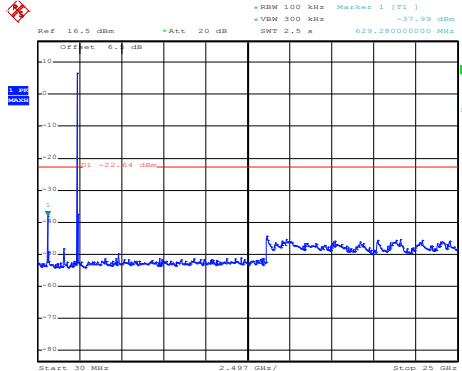
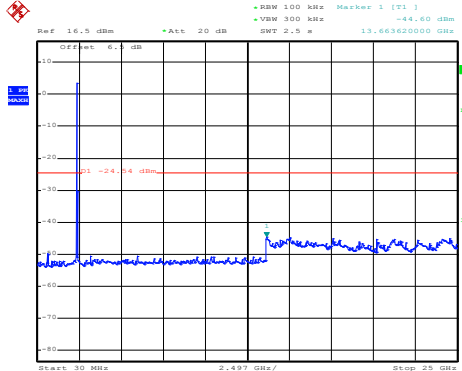
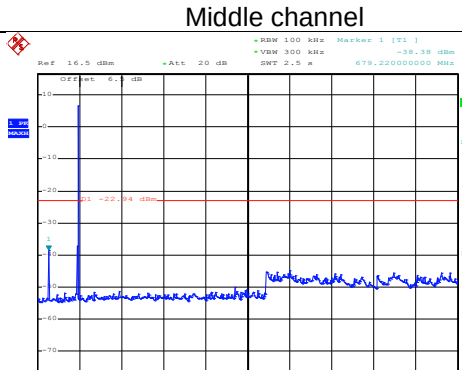
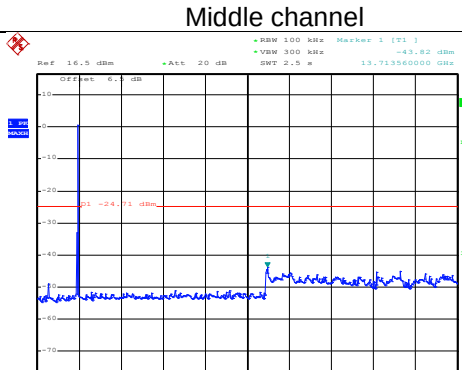
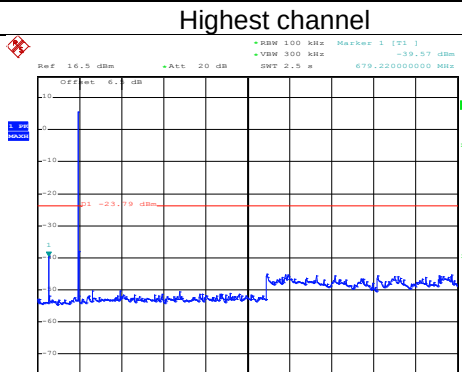
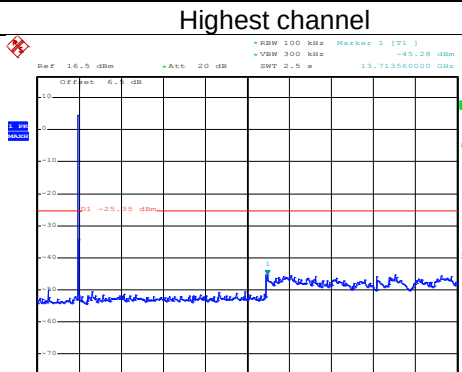
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

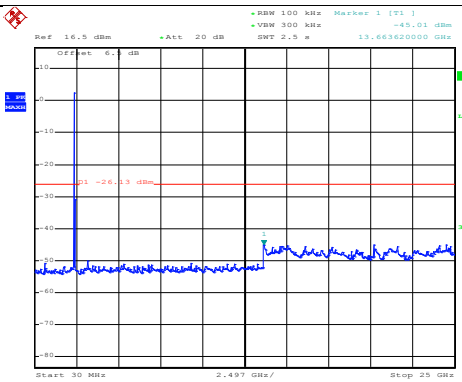
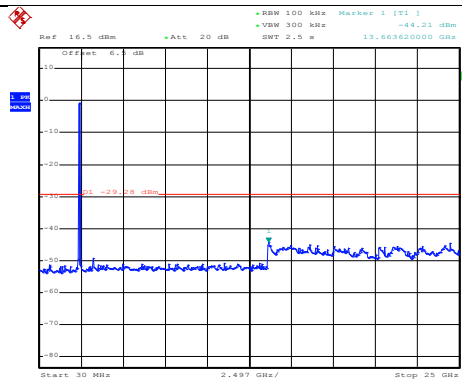
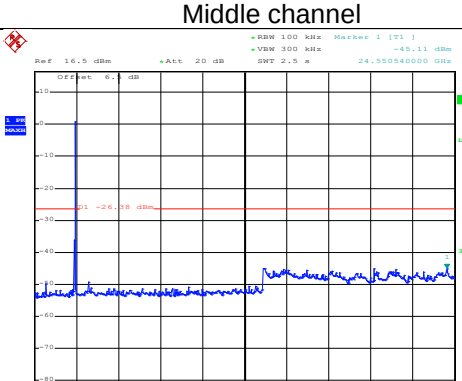
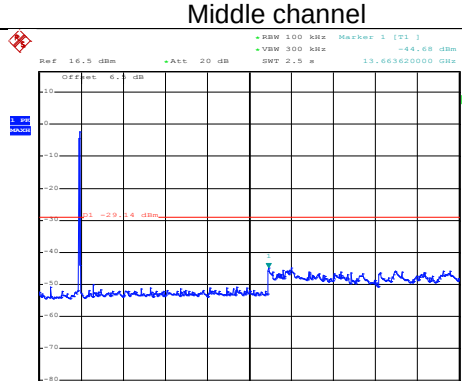
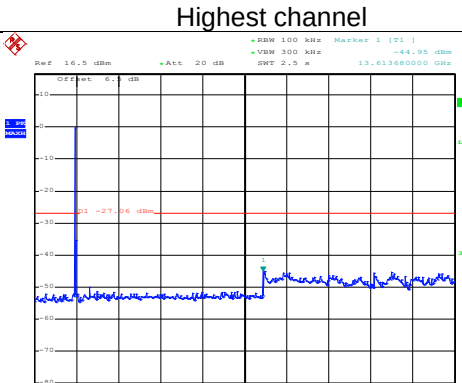
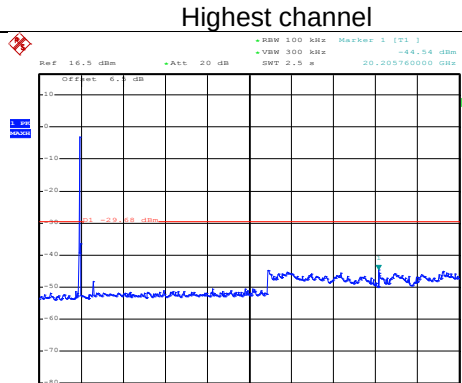
6.7 Spurious Emission

6.7.1 Conducted Emission Method

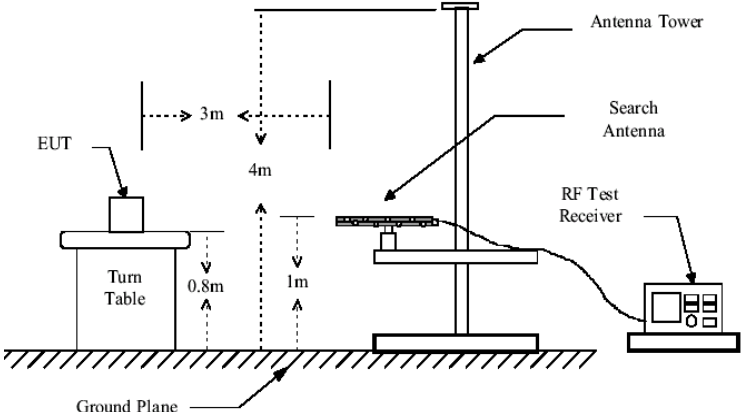
Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
Test setup:	 The diagram illustrates the test setup for conducted emissions. A Spectrum Analyzer is connected to an Equipment Under Test (E.U.T.) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

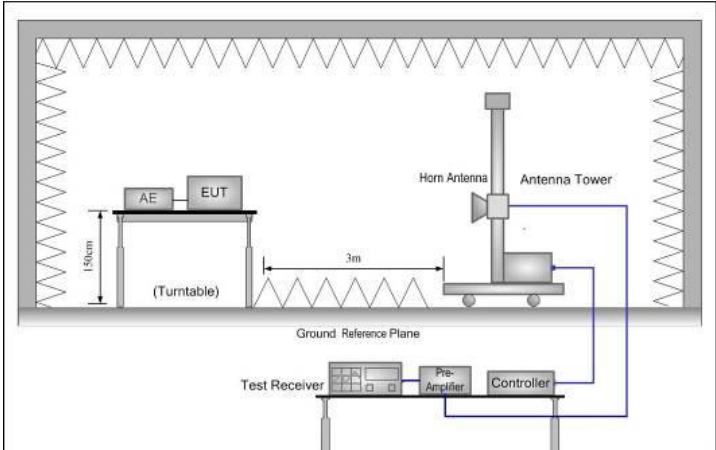
Test plot as follows:

Test mode: 802.11b Lowest channel  Date: 2.MAR.2018 09:31:11	Test mode: 802.11g Lowest channel  Date: 2.MAR.2018 09:34:39
30MHz~25GHz	30MHz~25GHz
Middle channel  Date: 2.MAR.2018 09:32:39	Middle channel  Date: 2.MAR.2018 09:35:13
30MHz~25GHz	30MHz~25GHz
Highest channel  Date: 2.MAR.2018 09:33:10	Highest channel  Date: 2.MAR.2018 09:35:53
30MHz~25GHz	30MHz~25GHz

Test mode: 802.11n(H20) Lowest channel  Date: 2.MAR.2018 09:37:38	Test mode: 802.11n(H40) Lowest channel  Date: 2.MAR.2018 09:40:29
30MHz~25GHz	30MHz~25GHz
Middle channel  Date: 2.MAR.2018 09:38:31	Middle channel  Date: 2.MAR.2018 09:41:06
30MHz~25GHz	30MHz~25GHz
Highest channel  Date: 2.MAR.2018 09:39:03	Highest channel  Date: 2.MAR.2018 09:47:10
30MHz~25GHz	30MHz~25GHz

6.7.2 Radiated Emission Method

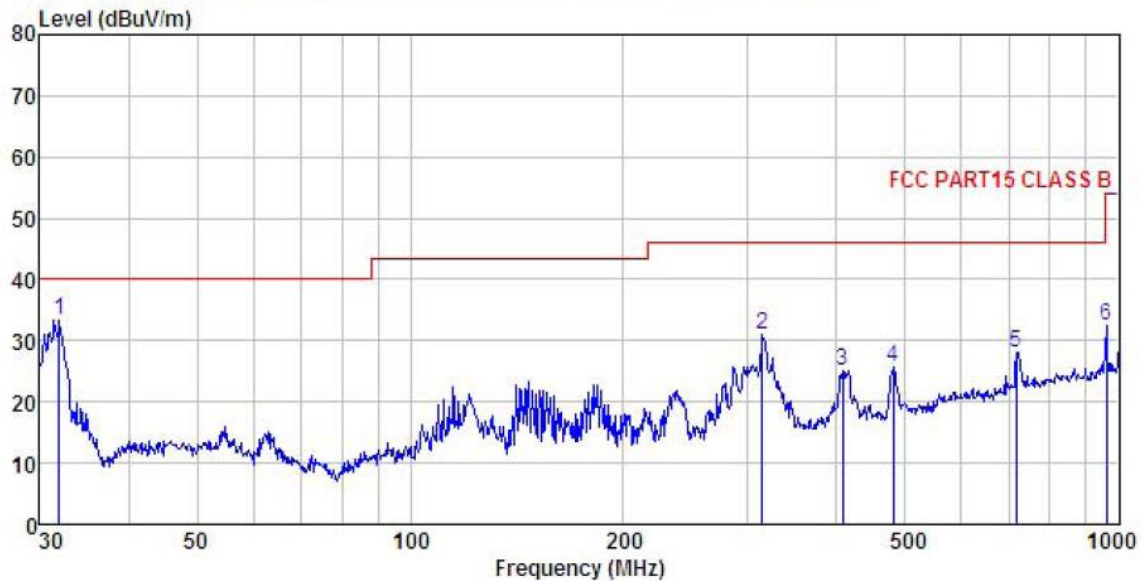
Test Requirement:	FCC Part 15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 25GHz				
Test Distance:	3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		RMS	1MHz	3MHz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		54.0		Average Value
			74.0		Peak Value
Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.				
Test setup:	Below 1GHz 				

	Above 1GHz 
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 2. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.

Measurement Data (worst case):

Below 1GHz:

Test Polarization: Horizontal



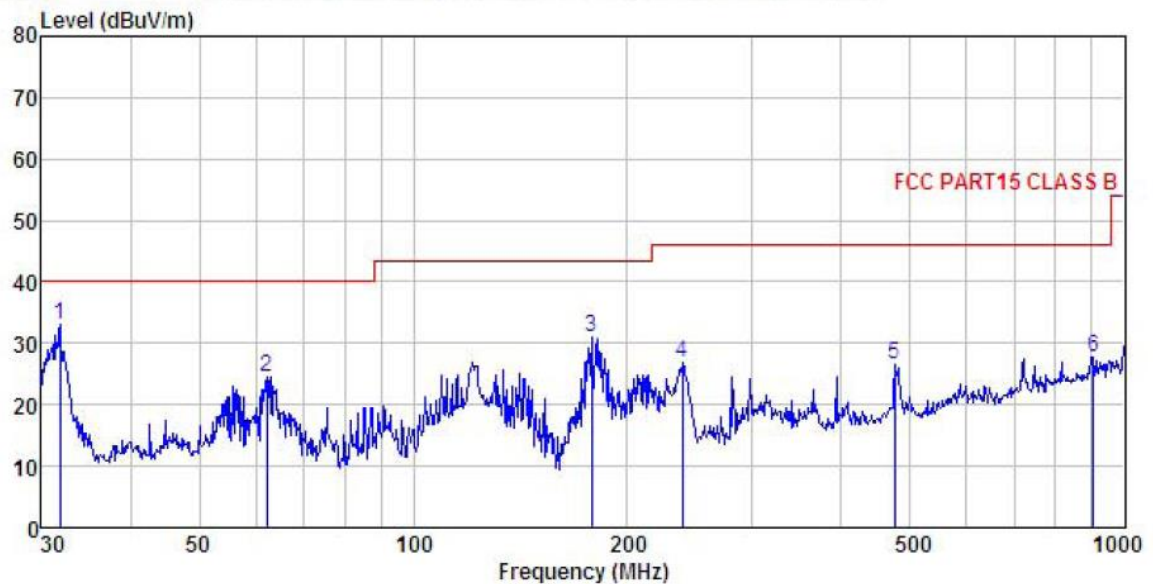
Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(30M2G) HORIZONTAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : WiFi mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

	Freq	ReadAntenna	Cable Preamp		Limit	Over	
	Level Factor	Loss Factor	Level	Line	Limit	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	31.955	51.07	11.43	0.85	29.97	33.38	40.00
2	314.377	42.93	13.51	2.98	28.48	30.94	46.00
3	407.515	35.83	15.05	3.10	28.79	25.19	46.00
4	480.528	35.43	15.78	3.46	28.92	25.75	46.00
5	716.682	33.05	19.45	4.24	28.60	28.14	46.00
6	962.162	34.43	21.55	4.27	27.65	32.60	54.00

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test Polarization: Vertical



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(30M2G) VERTICAL
 EUT : 2.4GHz 1T1R USB Module
 Model : UM01C-7601-V1.0
 Test mode : WiFi mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Mike
 Remark :

	Freq	ReadAntenna	Cable	Preamp		Limit	Over	
	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	31.843	50.68	11.43	0.85	29.97	32.99	40.00	-7.01 QP
2	62.213	40.74	12.28	1.38	29.77	24.63	40.00	-15.37 QP
3	178.133	47.82	9.40	2.71	28.99	30.94	43.50	-12.56 QP
4	239.147	40.74	11.78	2.82	28.60	26.74	46.00	-19.26 QP
5	475.499	36.65	15.50	3.41	28.91	26.65	46.00	-19.35 QP
6	903.309	30.96	21.00	3.74	27.87	27.83	46.00	-18.17 QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Above 1GHz

802.11b								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	46.52	30.94	6.81	41.82	42.45	74.00	-31.55	Vertical
4824.00	49.27	30.94	6.81	41.82	45.20	74.00	-28.80	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	37.35	30.94	6.81	41.82	33.28	54.00	-20.72	Vertical
4824.00	39.13	30.94	6.81	41.82	35.06	54.00	-18.94	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	47.21	31.20	6.85	41.84	43.42	74.00	-30.58	Vertical
4874.00	46.70	31.20	6.85	41.84	42.91	74.00	-31.09	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	37.57	31.20	6.85	41.84	33.78	54.00	-20.22	Vertical
4874.00	36.49	31.20	6.85	41.84	32.70	54.00	-21.30	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	47.28	31.46	6.89	41.86	43.77	74.00	-30.23	Vertical
4924.00	47.06	31.46	6.89	41.86	43.55	74.00	-30.45	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	37.41	31.46	6.89	41.86	33.90	54.00	-20.10	Vertical
4924.00	37.48	31.46	6.89	41.86	33.97	54.00	-20.03	Horizontal
Remark:								
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.								
2. The emission levels of other frequencies are very lower than the limit and not show in test report.								

802.11g								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	46.46	30.94	6.81	41.82	42.39	74.00	-31.61	Vertical
4824.00	48.36	30.94	6.81	41.82	44.29	74.00	-29.71	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	37.35	30.94	6.81	41.82	33.28	54.00	-20.72	Vertical
4824.00	39.16	30.94	6.81	41.82	35.09	54.00	-18.91	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	47.22	31.20	6.85	41.84	43.43	74.00	-30.57	Vertical
4874.00	46.65	31.20	6.85	41.84	42.86	74.00	-31.14	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	37.62	31.20	6.85	41.84	33.83	54.00	-20.17	Vertical
4874.00	36.45	31.20	6.85	41.84	32.66	54.00	-21.34	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	47.32	31.46	6.89	41.86	43.81	74.00	-30.19	Vertical
4924.00	47.08	31.46	6.89	41.86	43.57	74.00	-30.43	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	37.38	31.46	6.89	41.86	33.87	54.00	-20.13	Vertical
4924.00	37.52	31.46	6.89	41.86	34.01	54.00	-19.99	Horizontal
Remark:								
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.								
2. The emission levels of other frequencies are very lower than the limit and not show in test report.								

802.11n(HT20)								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	46.35	36.06	6.81	41.82	47.40	74.00	-26.60	Vertical
4824.00	48.35	36.06	6.81	41.82	49.40	74.00	-24.60	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	37.36	36.06	6.81	41.82	38.41	54.00	-15.59	Vertical
4824.00	38.54	36.06	6.81	41.82	39.59	54.00	-14.41	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	47.26	36.32	6.85	41.84	48.59	74.00	-25.41	Vertical
4874.00	46.62	36.32	6.85	41.84	47.95	74.00	-26.05	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	37.54	36.32	6.85	41.84	38.87	54.00	-15.13	Vertical
4874.00	36.26	36.32	6.85	41.84	37.59	54.00	-16.41	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	47.36	36.58	6.89	41.86	48.97	74.00	-25.03	Vertical
4924.00	47.11	36.58	6.89	41.86	48.72	74.00	-25.28	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	37.42	36.58	6.89	41.86	39.03	54.00	-14.97	Vertical
4924.00	37.46	36.58	6.89	41.86	39.07	54.00	-14.93	Horizontal
Remark:								
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.								
2. The emission levels of other frequencies are very lower than the limit and not show in test report.								

802.11n(HT40)								
Test channel: Lowest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4844.00	46.31	36.06	6.81	41.82	47.36	74.00	-26.64	Vertical
4844.00	48.33	36.06	6.81	41.82	49.38	74.00	-24.62	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4844.00	37.35	36.06	6.81	41.82	38.40	54.00	-15.60	Vertical
4844.00	38.56	36.06	6.81	41.82	39.61	54.00	-14.39	Horizontal
Test channel: Middle channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	47.25	36.32	6.85	41.84	48.58	74.00	-25.42	Vertical
4874.00	46.53	36.32	6.85	41.84	47.86	74.00	-26.14	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	37.52	36.32	6.85	41.84	38.85	54.00	-15.15	Vertical
4874.00	36.21	36.32	6.85	41.84	37.54	54.00	-16.46	Horizontal
Test channel: Highest channel								
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4904.00	47.35	36.45	6.87	41.85	48.82	74.00	-25.18	Vertical
4904.00	47.09	36.45	6.87	41.85	48.56	74.00	-25.44	Horizontal
Detector: Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4904.00	37.31	36.45	6.87	41.85	38.78	54.00	-15.22	Vertical
4904.00	37.45	36.45	6.87	41.85	38.92	54.00	-15.08	Horizontal
Remark:								
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.								
2. The emission levels of other frequencies are very lower than the limit and not show in test report.								