

FCC Test Report (WLAN)

Report No.: RF170816E06H

FCC ID: RYK-WNFQ261ACNIBT

Test Model: WNFQ-261ACNI(BT)

Received Date: Aug. 23, 2018

Test Date: Oct. 23 to 30, 2018

Issued Date: Nov. 07, 2018

Applicant: SparkLAN Communications, Inc.

Address: 8F., No.257, Sec. 2, Tiding Blvd., Neihu District, Taipei City 11493, Taiwan (R.O.C.)

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory

Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.

Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.

**FCC Registration /
Designation Number:** 723255 / TW2022



This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification. The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.

Table of Contents

Release Control Record	3
1 Certificate of Conformity.....	4
2 Summary of Test Results	5
2.1 Measurement Uncertainty	5
2.2 Modification Record	5
3 General Information.....	6
3.1 General Description of EUT (WLAN)	6
3.2 Description of Test Modes	10
3.2.1 Test Mode Applicability and Tested Channel Detail	11
3.3 Duty Cycle of Test Signal	13
3.4 Description of Support Units	14
3.4.1 Configuration of System under Test	14
3.5 General Description of Applied Standards	15
4 Test Types and Results	16
4.1 Radiated Emission and Bandedge Measurement (Radiated Versus Conducted)	16
4.1.1 Limits of Radiated Emission and Bandedge Measurement	16
4.1.2 Test Instruments	17
4.1.3 Test Procedures.....	18
4.1.4 Deviation from Test Standard	18
4.1.5 Test Setup.....	18
4.1.6 EUT Operating Conditions.....	18
4.1.7 Test Results (Conducted Measurement)	19
4.2 Conducted Output Power Measurement.....	99
4.2.1 Limits of Conducted Output Power Measurement	99
4.2.2 Test Setup.....	99
4.2.3 Test Instruments	99
4.2.4 Test Procedures.....	99
4.2.5 Deviation from Test Standard	99
4.2.6 EUT Operating Conditions.....	99
4.2.7 Test Results	99
4.3 Power Spectral Density Measurement.....	104
4.3.1 Limits of Power Spectral Density Measurement	104
4.3.2 Test Setup.....	104
4.3.3 Test Instruments	104
4.3.4 Test Procedure	104
4.3.5 Deviation from Test Standard	104
4.3.6 EUT Operating Condition	104
4.3.7 Test Results	105
5 Pictures of Test Arrangements.....	108
6 Appendix A – Radiated Emission Measurement (For 2.4GHz Band)	109
6.1.1 Limits of Radiated Emission Measurement	109
6.1.1 Test Instruments	110
6.1.2 Test Procedures.....	111
6.1.3 Deviation from Test Standard	111
6.1.1 Test Setup.....	112
6.1.2 EUT Operating Conditions.....	112
6.1.1 Test Results	113
Appendix B – Information on the Testing Laboratories	139

Release Control Record

Issue No.	Description	Date Issued
RF170816E06H	Original release.	Nov. 07, 2018

1 Certificate of Conformity

Product: 802.11ac/a/b/g/n 2T2R Industrial-graded Wi-Fi / Bluetooth 4.2 Combo M.2 2230 Module

Brand: Sparklan

Test Model: WNFQ-261ACNI(BT)

Sample Status: R&D SAMPLE

Applicant: SparkLAN Communications, Inc.

Test Date: Oct. 23 to 30, 2018

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.247)
ANSI C63.10: 2013

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : Wendy Wu , **Date:** Nov. 07, 2018
Wendy Wu / Specialist

Approved by : May Chen , **Date:** Nov. 07, 2018
May Chen / Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247)			
FCC Clause	Test Item	Result	Remarks
15.205 / 15.209 / 15.247(d)	Radiated Emissions and Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -2.6dB at 2483.50MHz.
15.247(b)	Conducted power	PASS	Meet the requirement of limit.
15.247(e)	Power Spectral Density	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Antenna connector is IPEX MHF 4 not a standard connector.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) ($\pm$)
Radiated Emissions up to 1 GHz	30MHz ~ 1GHz	5.33 dB
Radiated Emissions above 1 GHz	1GHz ~ 6GHz	5.10 dB
	6GHz ~ 18GHz	4.85 dB
	18GHz ~ 40GHz	5.24 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT (WLAN)

Product	802.11ac/a/b/g/n 2T2R Industrial-graded Wi-Fi / Bluetooth 4.2 Combo M.2 2230 Module
Brand	Sparklan
Test Model	WNFQ-261ACNI(BT)
Status of EUT	R&D SAMPLE
Power Supply Rating	3.3Vdc form host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode and VHT (20/40) mode in 2.4GHz
Modulation Technology	DSSS,OFDM
Transfer Rate	802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n : up to 300Mbps 802.11ac: up to 866.7Mbps
Operating Frequency	2.4GHz: 2.412 ~ 2.472GHz 5GHz: 5.18 ~ 5.24GHz, 5.26 ~ 5.32GHz, 5.50 ~ 5.72GHz, 5.745 ~ 5.825GHz
Number of Channel	2.4GHz: 802.11b, 802.11g, 802.11n (HT20): 13 802.11n (HT40): 9 5GHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 25 802.11n (HT40), 802.11ac (VHT40): 12 802.11ac (VHT80): 6
Output Power	2.4GHz: 514.66mW 5GHz: 5.18 ~ 5.24GHz: 118.189mW 5.26 ~ 5.32GHz: 117.661mW 5.50 ~ 5.72GHz: 113.517mW 5.745 ~ 5.825GH: 113.606mW
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Data Cable Supplied	NA

Note:

- This report is prepared for FCC Class II change. The difference compared with the original report design is as the following:

◆ Added new antennas as below table:

Original										
Ant. Set.	Transmitter Circuit	Brand	Model	Ant. Type	2.4GHz Gain with cable loss (dBi)	5GHz Gain with cable loss (dBi)	2.4GHz Cable Loss (dBi)	5G Cable Loss (dBi)	Connector Type	Cable Length (mm)
1	Chain (0)	WNC	81-EBJ15.005	PIFA	3.00	Band 1&2: 2.56	1.15	Band 1&2: 1.70	IPEX	300
						Band 3: 4.76		Band 3: 1.74		
						Band 4: 4.76		Band 4: 1.79		
	Chain (1)	WNC	81-EBJ15.005	PIFA	3.62	Band 1&2: 3.08	1.15	Band 1&2: 1.70	IPEX	300
						Band 3: 3.31		Band 3: 1.74		
						Band 4: 2.42		Band 4: 1.79		
Ant. Set.	Transmitter Circuit	Brand	Model	Ant. Type	2.4GHz Gain with cable loss (dBi)	5GHz Gain with cable loss (dBi)	2.4GHz Cable Loss (dBi)	5G Cable Loss (dBi)	Connector Type	Cable Length (mm)
2	Chain (0)	INPAQ	DAM-I6-H-DB-800-10-17	Dipole	1.13	Band 1&2: 1.33	NA	NA	SMA RP Plug	900
						Band 3: -0.63				
						Band 4: -0.97				
	Chain (1)	INPAQ	DAM-I6-H-DB-800-10-17	Dipole	1.29	Band 1&2: 1.94	NA	NA	SMA RP Plug	900
						Band 3: -0.49				
						Band 4: -0.93				
Newly										
Ant. Set.	Transmitter Circuit	Brand	Model	Ant. Type	2.4GHz Gain with cable loss (dBi)		5GHz Gain with cable loss (dBi)		Connector Type	Cable Length (mm)
3	Chain (0) Chain (1)	Sparklan	AD-301N	Dipole	4.4		Band 1&2: 5.2 Band 3&4: 5.8		IPEX MHF 4 at modular side & RP-SMA (M) at antenna side	150
4	Chain (0) Chain (1)	Sparklan	AD-103AG	Dipole	2.02		Band 1&2: 1.93 Band 3&4: 2.03			150
5	Chain (0) Chain (1)	Sparklan	AD-305N	Dipole	5.0		5.0			150
6	Chain (0) Chain (1)	Sparklan	AD-303N	Dipole	3.0		3.0			150
7	Chain (0) Chain (1)	Sparklan	AD-302N	Dipole	3.0		2.0			150

Note:

- Antenna Set 5 was selected for 2.4GHz Antenna Port Conducted test; Antenna Set 3 was selected for 5GHz Antenna Port Conducted test.
- According to above conditions, only Antenna Port Conducted test, Power Spectral Density and Radiated Emissions test items need to be performed. And all data were verified to meet the requirements.

3. There are Bluetooth technology and WLAN technology used for the EUT.
4. The EUT incorporates a 2T2R function.

2.4GHz Band			
MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION	
802.11b	1 ~ 11Mbps	2TX	2RX
802.11g	6 ~ 54Mbps	2TX	2RX
802.11n (HT20)	MCS 0~7	2TX	2RX
	MCS 8~15	2TX	2RX
802.11n (HT40)	MCS 0~7	2TX	2RX
	MCS 8~15	2TX	2RX
VHT20	MCS 0~8, Nss=1	2TX	2RX
	MCS 0~8, Nss=2	2TX	2RX
VHT40	MCS 0~9, Nss=1	2TX	2RX
	MCS 0~9, Nss=2	2TX	2RX
5GHz Band			
MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION	
802.11a	6 ~ 54Mbps	2TX	2RX
802.11n (HT20)	MCS 0~7	2TX	2RX
	MCS 8~15	2TX	2RX
802.11n (HT40)	MCS 0~7	2TX	2RX
	MCS 8~15	2TX	2RX
802.11ac (VHT20)	MCS 0~8, Nss=1	2TX	2RX
	MCS 0~8, Nss=2	2TX	2RX
802.11ac (VHT40)	MCS 0~9, Nss=1	2TX	2RX
	MCS 0~9, Nss=2	2TX	2RX
802.11ac (VHT80)	MCS 0~9, Nss=1	2TX	2RX
	MCS 0~9, Nss=2	2TX	2RX

Note: The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz) and 802.11ac mode for 20MHz (40MHz), therefore investigated worst case to representative mode in test report. (Final test mode refer section 3.2.1)

5. The EUT was pre-tested under the following modes:

Test Mode	Data rate
Mode A	400ns GI
Mode B	800ns GI

From the above modes, the worst case was found in **Mode B**. Therefore only the test data of the mode was recorded in this report.

6. WLAN/BT coexistence mode:

◆ 2x2 WLAN + BT:

- 5GHz 802.11a/an (or 11ac) transmit concurrent with BT.
- 2.4GHz: timely shared coexistence.

7. The emission (conducted & radiated emission) of the simultaneous operation (WiFi <5GHz> & Bluetooth) have been evaluated and no non-compliance found. The detail combinations of transmitters / frequencies / modes as below table

Mode	Available Channel	Tested Channel	Modulation Technology
5 GHz (802.11ac (VHT40))	38 to 159	159	OFDM
+ Bluetooth (LE)	0 to 39	0	GFSK

8. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Description of Test Modes

13 channels are provided for 802.11b, 802.11g and 802.11n (HT20), VHT20:

Channel	Frequency	Channel	Frequency
1	2412MHz	8	2447MHz
2	2417MHz	9	2452MHz
3	2422MHz	10	2457MHz
4	2427MHz	11	2462MHz
5	2432MHz	12	2467MHz
6	2437MHz	13	2472MHz
7	2442MHz		

9 channels are provided for 802.11n (HT40), VHT40:

Channel	Frequency	Channel	Frequency
3	2422MHz	8	2447MHz
4	2427MHz	9	2452MHz
5	2432MHz	10	2457MHz
6	2437MHz	11	2462MHz
7	2442MHz		

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE MODE	APPLICABLE TO			DESCRIPTION
	RE $\geq$ 1G	RE $<$ 1G	APCM	
-	√	√	√	-

Where **RE $\geq$ 1G**: Radiated Emission above 1GHz & Bandedge Measurement
RE $<$ 1G: Radiated Emission below 1GHz
APCM: Antenna Port Conducted Measurement

Radiated Emission Test (Above 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11b	1 to 13	1, 6, 11, 12, 13	DSSS	1
802.11g	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	6
VHT20	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	6.5
VHT40	3 to 11	3, 6, 9, 10, 11	OFDM	13.5

Radiated Emission Test (Below 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11g	1 to 13	6	OFDM	6

Antenna Port Conducted Measurement:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11b	1 to 13	1, 6, 11, 12, 13	DSSS	1
802.11g	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	6
VHT20	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	6.5
VHT40	3 to 11	3, 6, 9, 10, 11	OFDM	13.5

Test Condition:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
RE $\geq$ 1G	23deg. C, 65%RH	120Vac, 60Hz	Steven Chiang
RE<1G	25deg. C, 60%RH	120Vac, 60Hz	Jyunchun Lin
APCM	25deg. C, 60%RH	120Vac, 60Hz	Jyunchun Lin

3.3 Duty Cycle of Test Signal

If duty cycle of test signal is $\geq 98\%$, duty factor is not required.

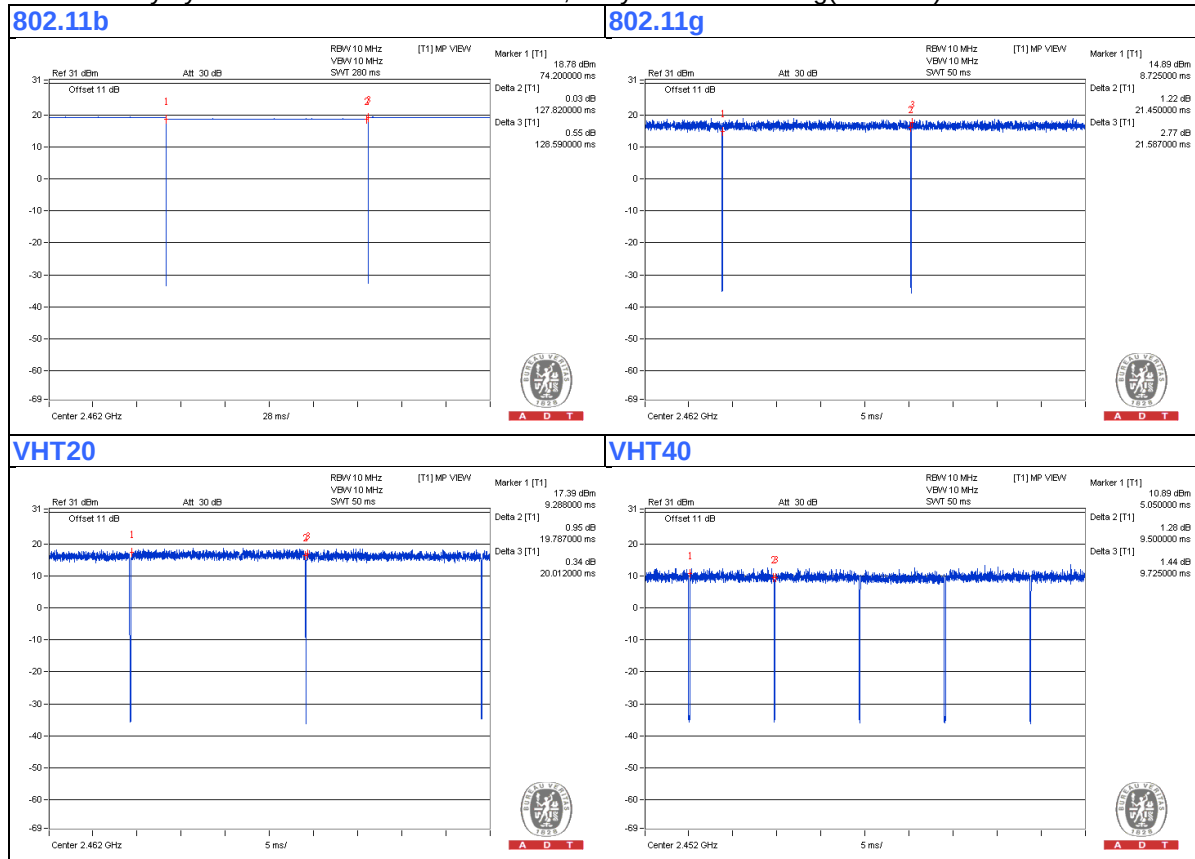
If duty cycle of test signal is $< 98\%$, duty factor shall be considered.

802.11b: Duty cycle = 127.82 ms/128.59 ms = 0.994

802.11g: Duty cycle = 21.45 ms/21.587 ms = 0.994

VHT20: Duty cycle = 19.787 ms/20.012 ms = 0.989

VHT40: Duty cycle = 9.5. ms/9.725 ms = 0.977, Duty factor = $10 * \log(1/0.977) = 0.1$



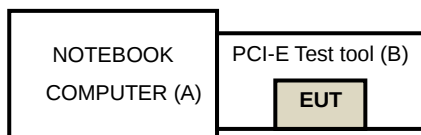
3.4 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Product	Brand	Model No.	Serial No.	FCC ID	Remark
A	NOTEBOOK COMPUTER	DELL	E5430	4YV4VY1	FCC DoC	Provided by Lab
B	PCI-E Test tool	Qualcomm Atheros	NA	NA	NA	Supplied by Client

NOTE: All power cords of the above support units are non-shielded (1.8 m).

3.4.1 Configuration of System under Test



3.5 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C (15.247)
KDB 558074 D01 15.247 Meas Guidance v05
KDB 662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement (Radiated Versus Conducted)

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.1.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 05, 2018	July 04, 2019
Pre-Amplifier EMCI	EMC001340	980142	Feb. 09, 2018	Feb. 08, 2019
Loop Antenna ^(*) Electro-Metrics	EM-6879	264	Dec. 16, 2016	Dec. 15, 2018
RF Cable	NA	LOOPCAB-001	Jan. 15, 2018	Jan. 14, 2019
RF Cable	NA	LOOPCAB-002	Jan. 15, 2018	Jan. 14, 2019
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-01	Nov. 09, 2017	Nov. 08, 2018
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-406	Nov. 29, 2017	Nov. 28, 2018
RF Cable	8D	966-4-1	Mar. 21, 2018	Mar. 20, 2019
RF Cable	8D	966-4-2	Mar. 21, 2018	Mar. 20, 2019
RF Cable	8D	966-4-3	Mar. 21, 2018	Mar. 20, 2019
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-4-01	Sep. 27, 2018	Sep. 26, 2019
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Dec. 12, 2017	Dec. 11, 2018
Pre-Amplifier Mini-Circuits	ZVA-183-S+	AMP-ZVA-03	May 10, 2018	May 09, 2019
RF Cable	EMC104-SM-SM-1200	160923	Jan. 29, 2018	Jan. 28, 2019
RF Cable	EMC104-SM-SM-2000	150318	Jan. 29, 2018	Jan. 28, 2019
RF Cable	EMC104-SM-SM-5000	150321	Jan. 29, 2018	Jan. 28, 2019
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 29, 2018	Jan. 28, 2019
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 14, 2017	Dec. 13, 2018
RF Cable	EMC102-KM-KM-1200	160925	Jan. 29, 2018	Jan. 28, 2019
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	NA	NA
Spectrum Analyzer R&S	FSV40	100964	June 20, 2018	June 19, 2019
Power meter Anritsu	ML2495A	1014008	May 09, 2018	May 08, 2019
Power sensor Anritsu	MA2411B	0917122	May 09, 2018	May 08, 2019

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. *The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. 4.
4. The CANADA Site Registration No. is 20331-2
5. Loop antenna was used for all emissions below 30 MHz.
6. Tested Date: Oct. 23, 2018

4.1.3 Test Procedures

Following FCC KDB 558074 D01 DTS Meas. Guidance:

Radiated versus Conducted Measurements.

The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.

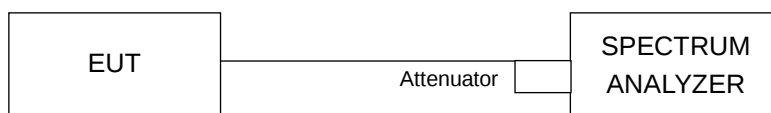
The following steps were performed:

- a. Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.
- b. Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT
- c. EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.
- d. EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)

4.1.4 Deviation from Test Standard

No deviation.

4.1.5 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT Operating Conditions

1. Connect the EUT with the support unit A (Notebook Computer) which is placed on a testing table.
2. The communication partner run test program "QDART 1.0.38" to enable EUT under transmission/receiving condition continuously at specific channel frequency.

4.1.7 Test Results (Conducted Measurement)

Radiated versus Conducted Measurement	
☒ Conducted measurement	☐ Radiated measurement
<u>For Radiated measurement:</u> The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation) <u>For Conducted measurement:</u> The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).	

Conducted Measurement Factor
a. The composite gain will be used when signal support the correlated signal. b. For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands. c. For the band edge the gain for the specific band may have been used. d. In restricted bands below 1000 MHz, add upper bound on ground plane reflection: For $f = 30 - 1000$ MHz, add 4.7 dB. Note: The conducted emission test was considered some factor to compute test result.

Above 1GHz Data
802.11b - Channel 1

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1606.25 PK	64	74	-10	-41.94	-42.65	8.01	-31.26
2	1606.25 AV	53.65	54	-0.35	-52.45	-52.82	8.01	-41.61
3	4820.31 PK	65.64	74	-8.36	-41.28	-40.09	8.01	-29.62
4	4826.56 AV	55.2	54	* 1.2	-50.93	-51.23	8.01	-40.06

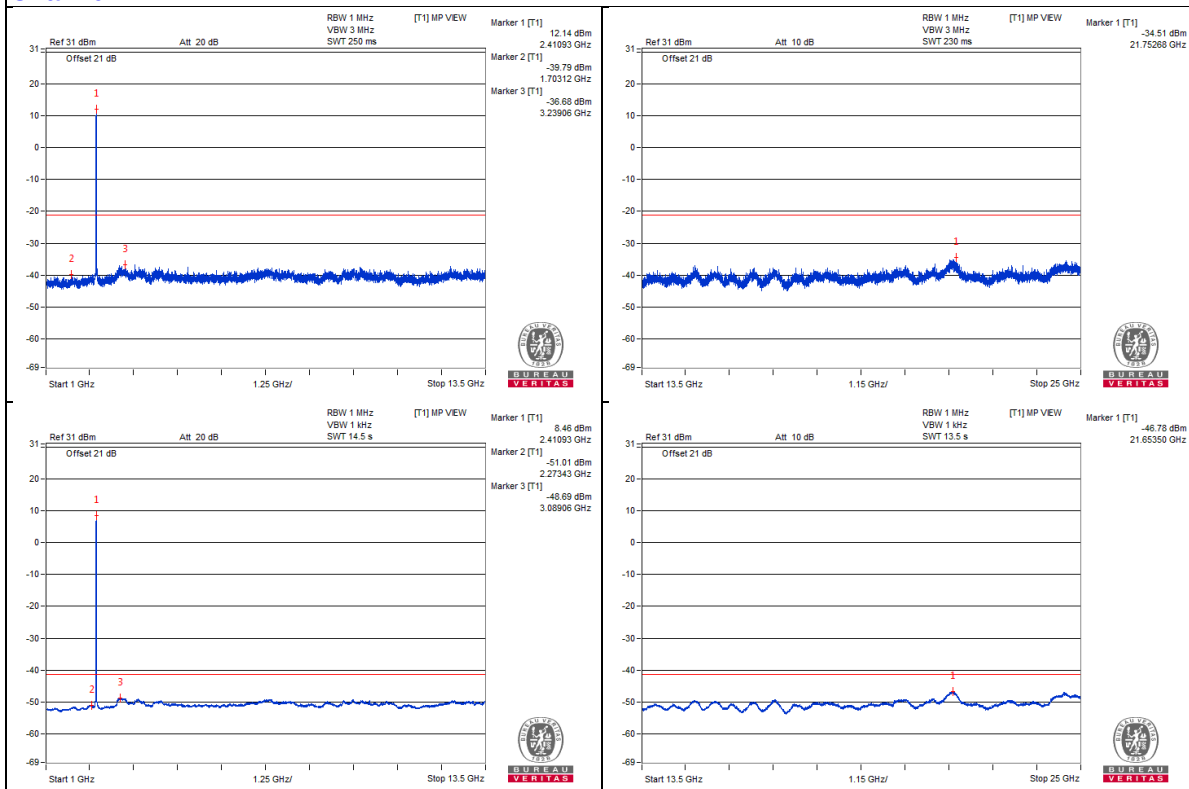
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

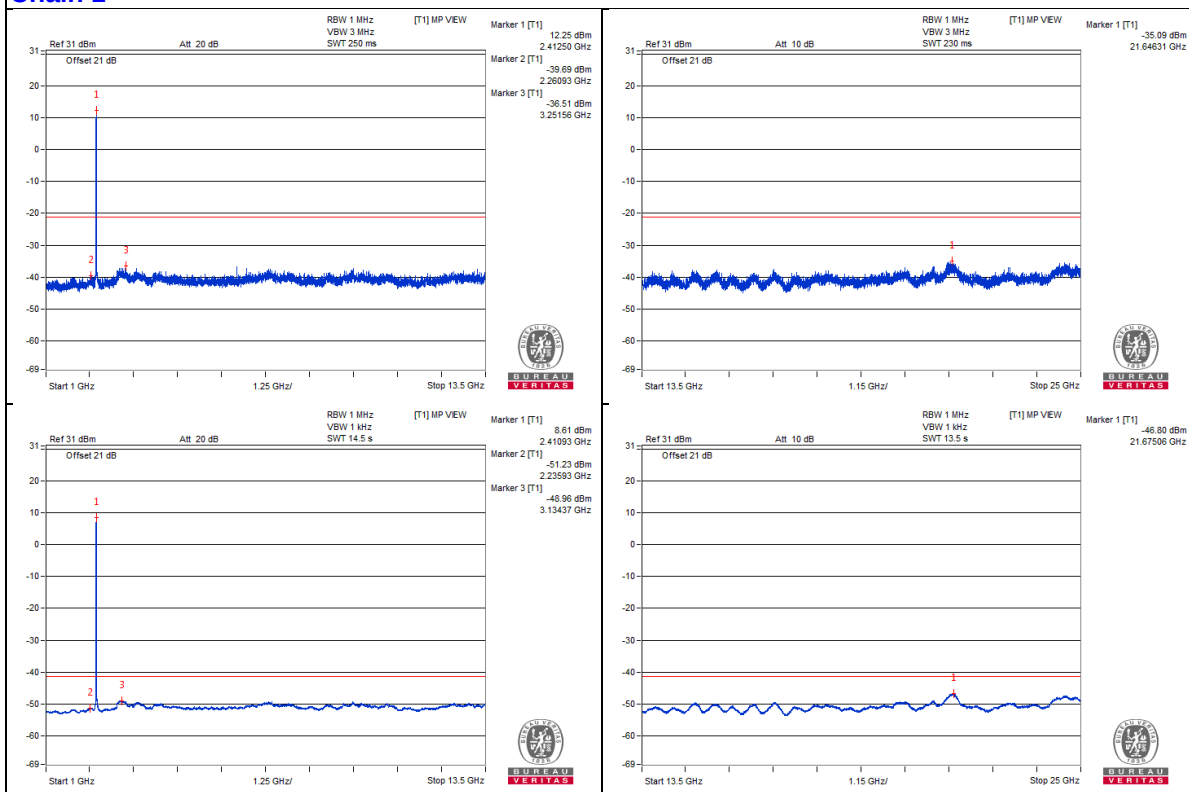
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

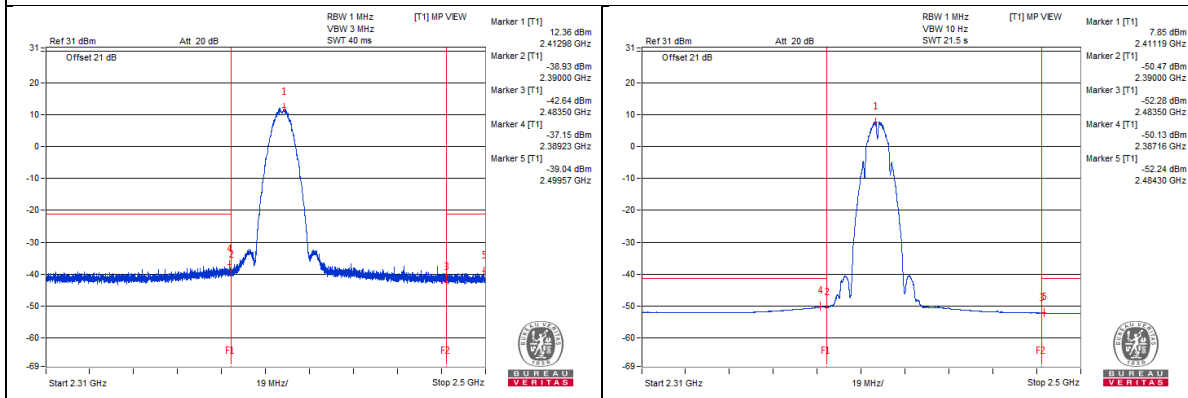
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2382.2 PK	68.27	74	-5.73	-37.68	-38.37	8.01	-26.99
2	2385.31 AV	56.04	54	* 2.04	-50.18	-50.3	8.01	-39.22
3	2491.94 PK	66.3	74	-7.7	-40.15	-39.81	8.01	-28.96
4	2483.92 AV	54	54	* 0	-52.24	-52.33	8.01	-41.26

Note :

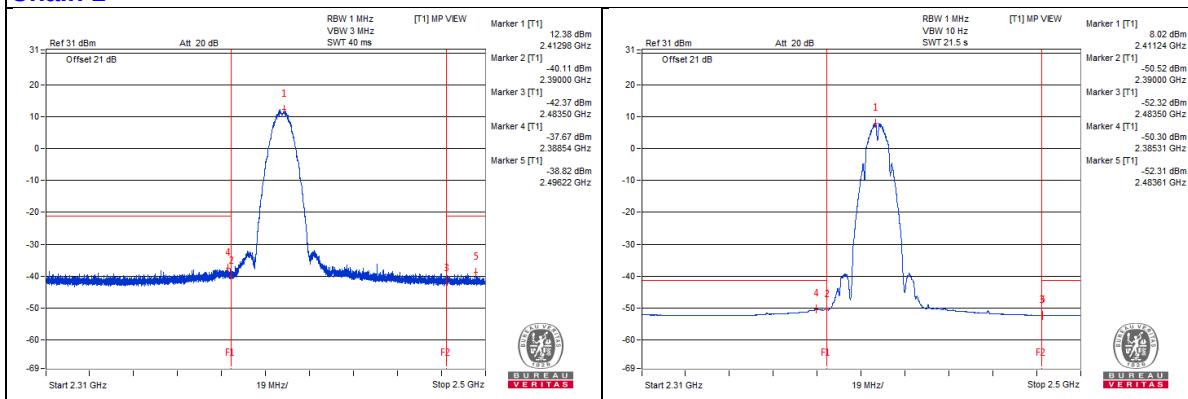
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



802.11b - Channel 6

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4871.87 PK	66.26	74	-7.74	-39.11	-41.18	8.01	-29
2	4875 AV	55.13	54	* 1.13	-51.09	-51.21	8.01	-40.13
3	7314.06 PK	67.39	74	-6.61	-39.35	-38.48	8.01	-27.87
4	7314.06 AV	56.73	54	* 2.73	-49.49	-49.62	8.01	-38.53

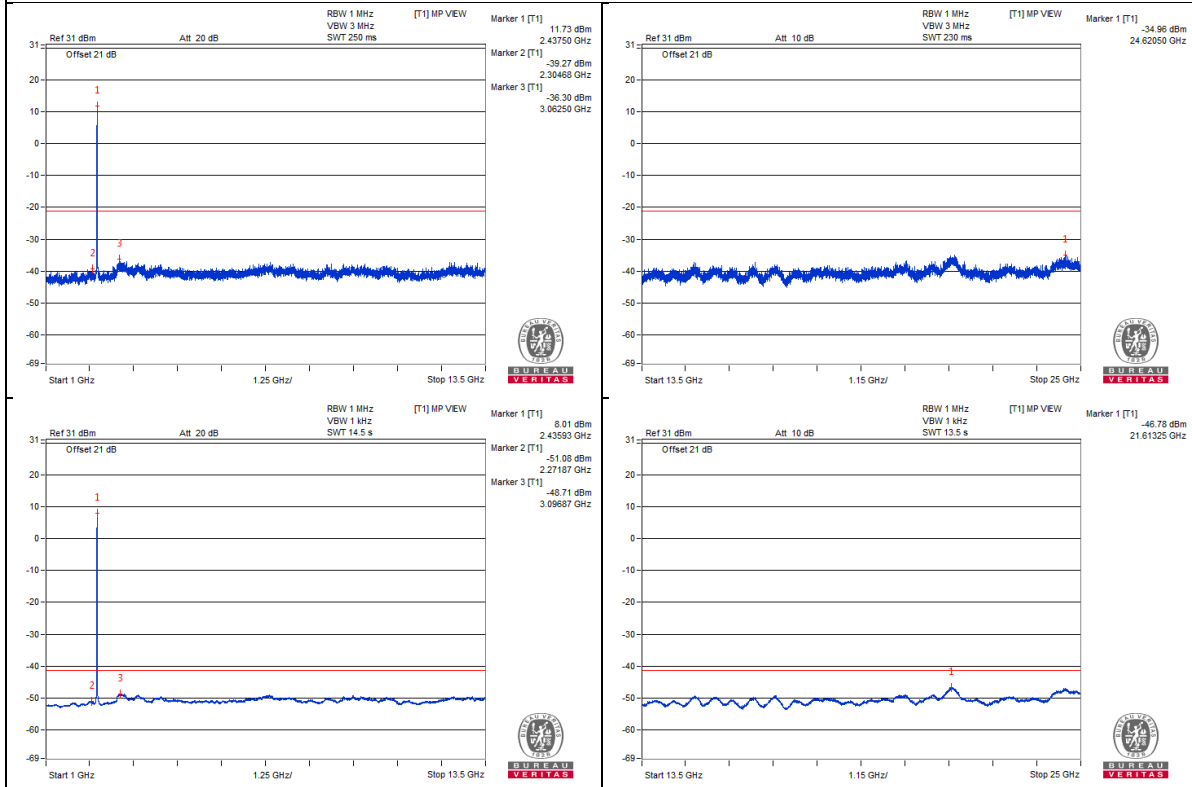
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

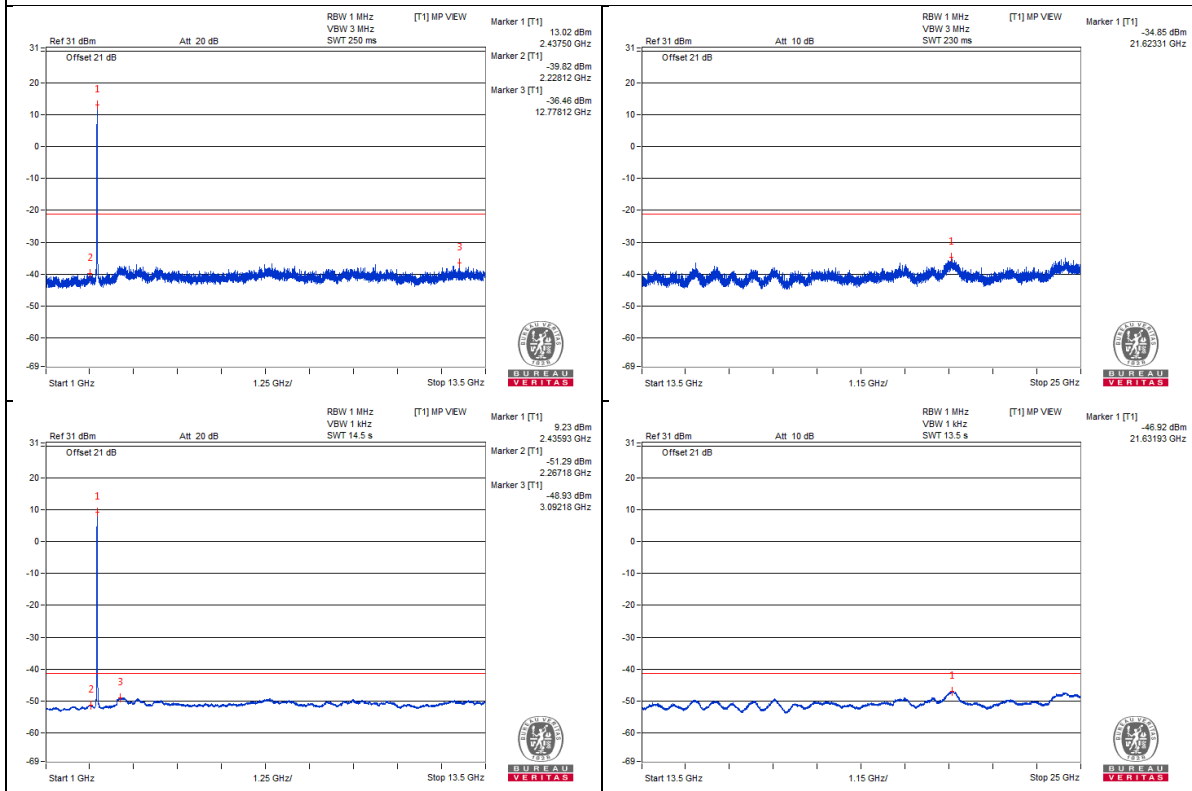
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2311.71 PK	66.73	74	-7.27	-39.6	-39.5	8.01	-28.53
2	2389.01 AV	54.62	54	* 0.62	-51.78	-51.55	8.01	-40.64
3	2484.96 PK	66.44	74	-7.56	-39.15	-40.66	8.01	-28.82
4	2485.01 AV	54.86	54	* 0.86	-51.88	-51.01	8.01	-40.4

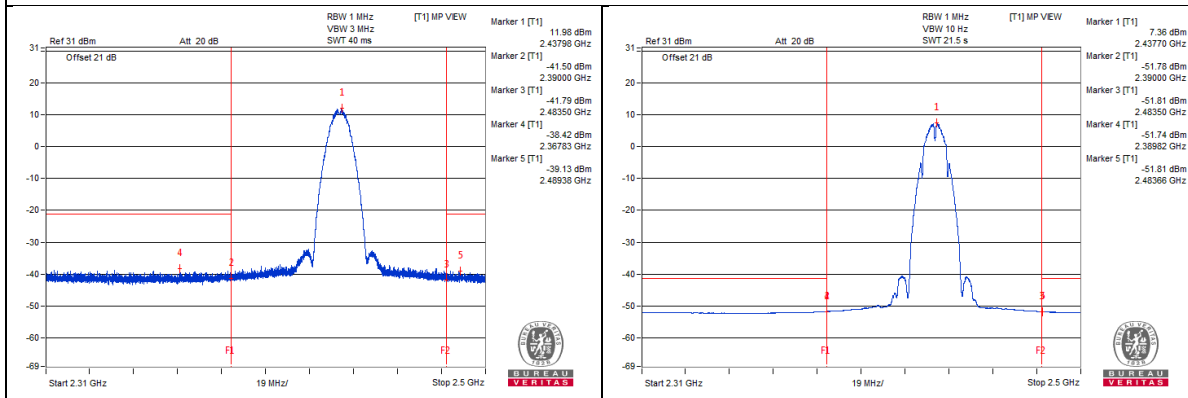
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

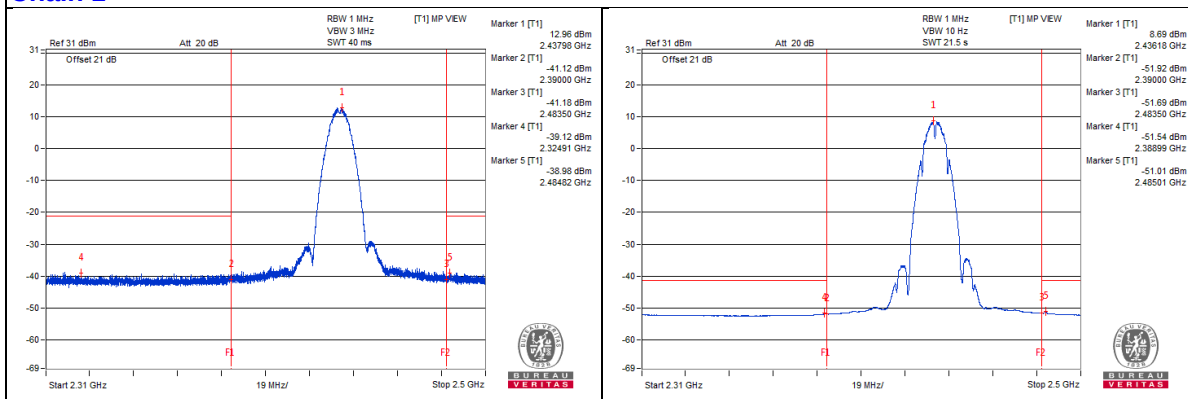
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



802.11b - Channel 11

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4920.31 PK	66.53	74	-7.47	-39.86	-39.65	8.01	-28.73
2	4925 AV	55.04	54	* 1.04	-51.26	-51.23	8.01	-40.22
3	7390.62 PK	67.59	74	-6.41	-38.55	-38.84	8.01	-27.67
4	7381.25 AV	56.73	54	* 2.73	-49.49	-49.62	8.01	-38.53

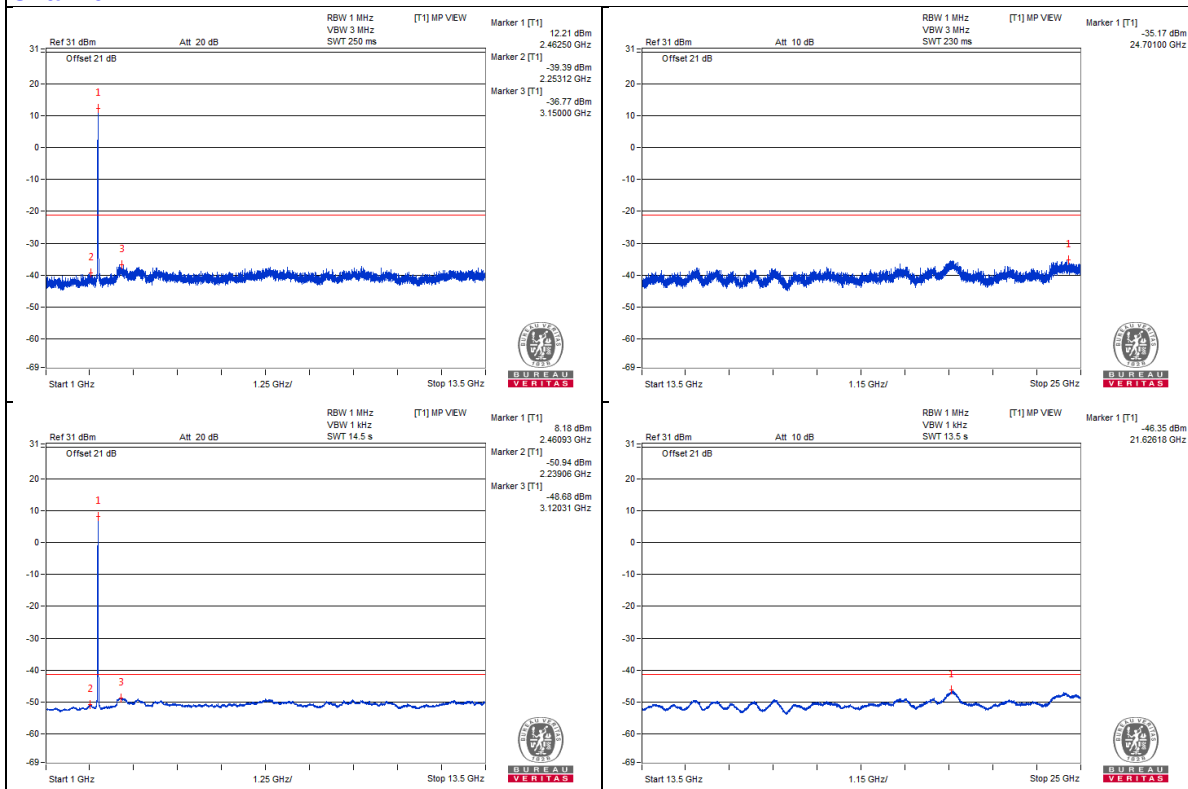
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

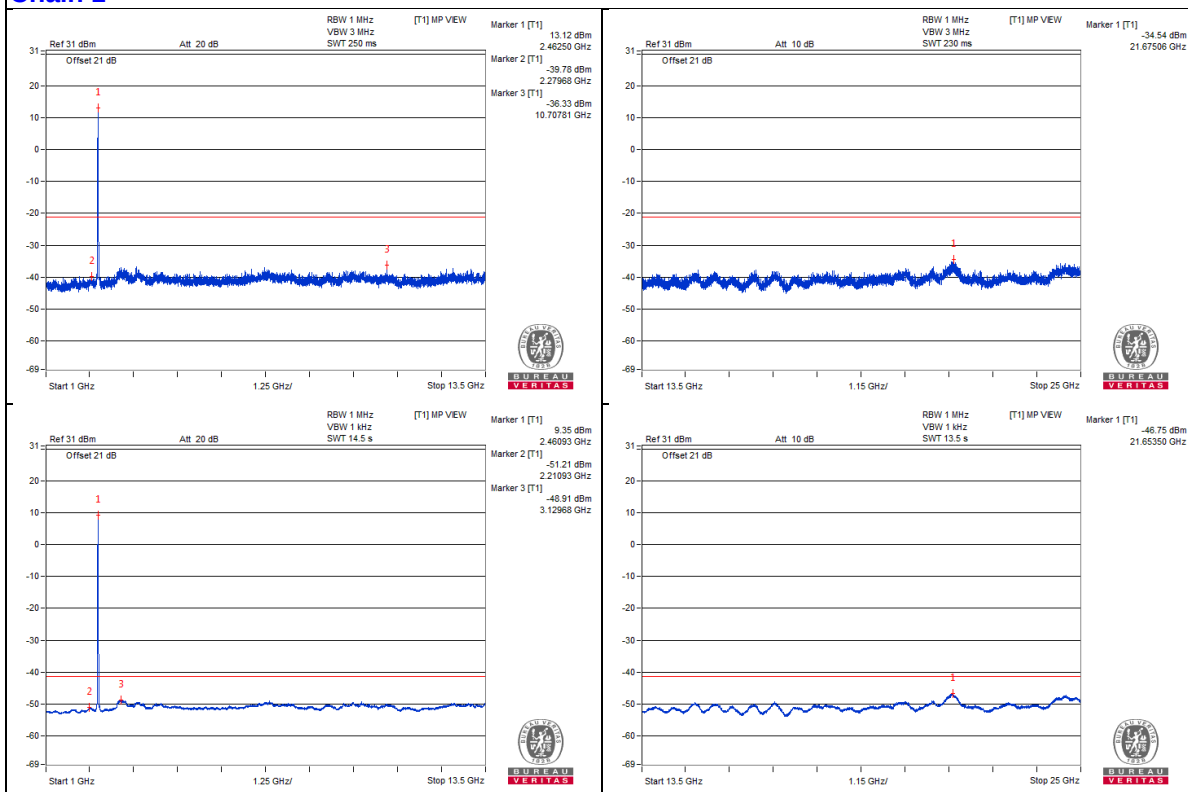
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2320.99 PK	66.6	74	-7.4	-38.85	-40.72	8.01	-28.66
2	2310.61 AV	54.17	54	* 0.17	-52.01	-52.22	8.01	-41.09
3	2489.24 PK	68.12	74	-5.88	-37.87	-38.48	8.01	-27.14
4	2483.99 AV	56	54	* 2	-50.72	-49.88	8.01	-39.26

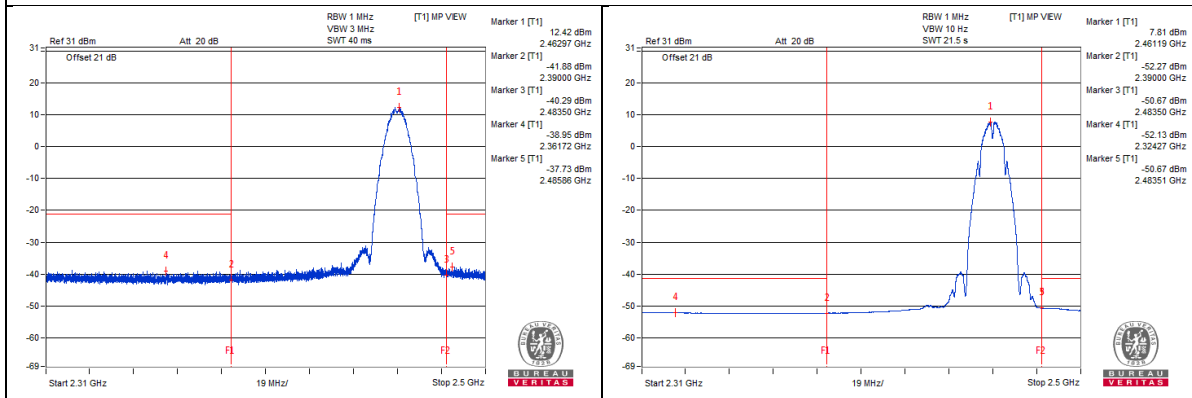
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

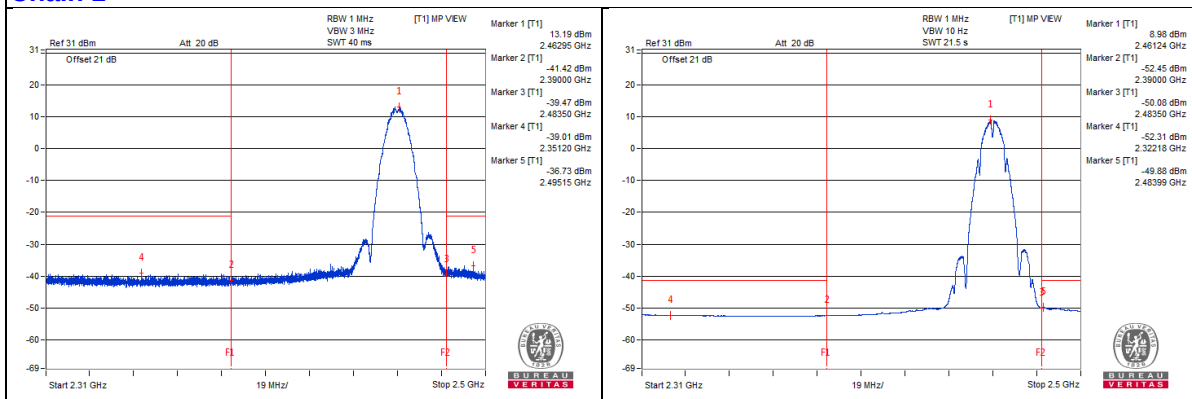
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



802.11b - Channel 12

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4929.68 PK	65.81	74	-8.19	-40.18	-40.79	8.01	-29.45
2	4934.37 AV	54.98	54	* 0.98	-51.37	-51.24	8.01	-40.28
3	7404.68 PK	67.55	74	-6.45	-37.88	-39.79	8.01	-27.71
4	7401.56 AV	56.53	54	* 2.53	-49.61	-49.9	8.01	-38.73

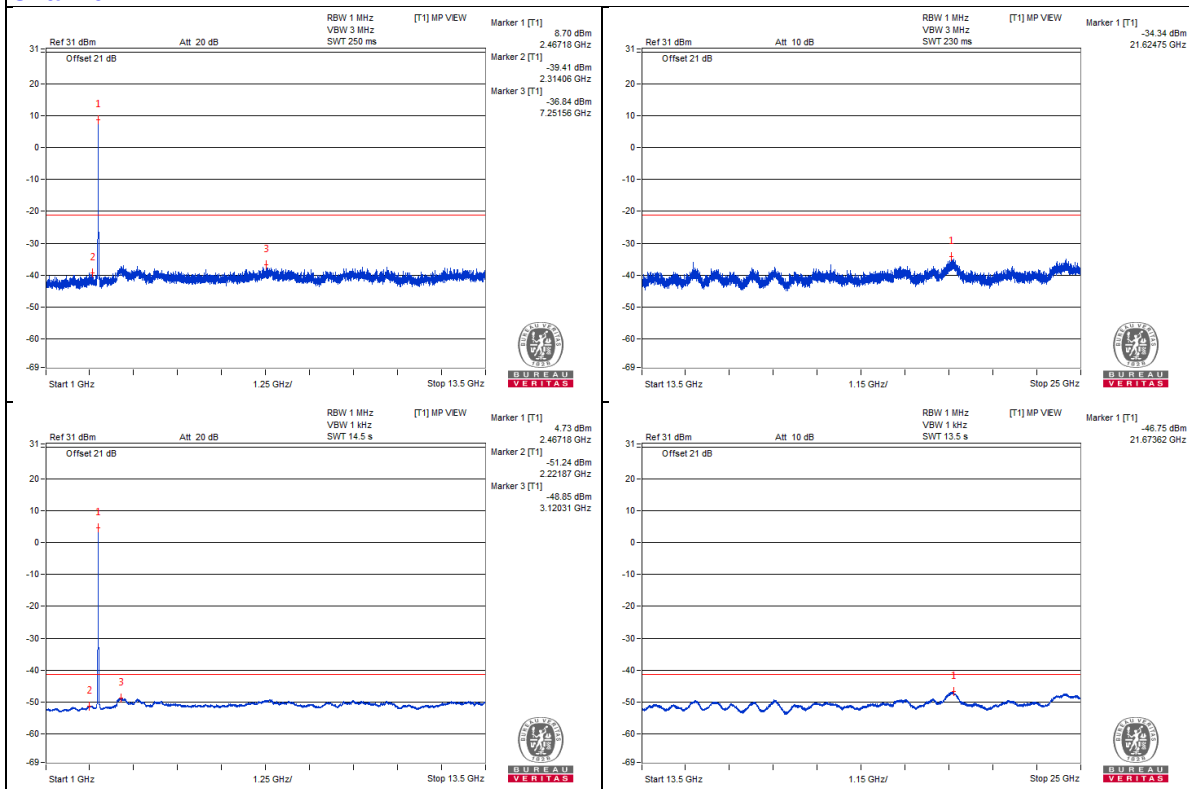
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

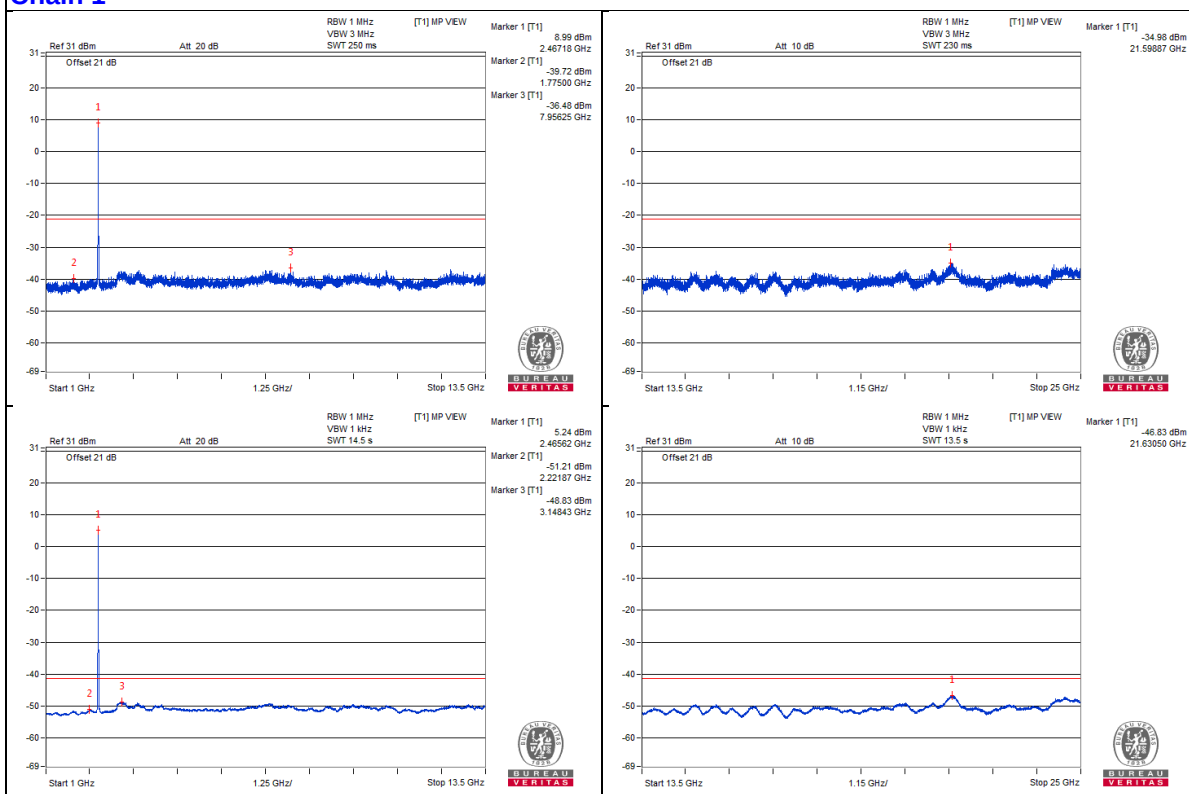
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
 (Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2311.54 PK	66.98	74	-7.02	-41.32	-37.92	8.01	-28.28
2	2311.14 AV	54.13	54	* 0.13	-52.14	-52.16	8.01	-41.13
3	2492.8 PK	67.95	74	-6.05	-40.1	-37.08	8.01	-27.31
4	2483.51 AV	55.92	54	* 1.92	-50.46	-50.26	8.01	-39.34

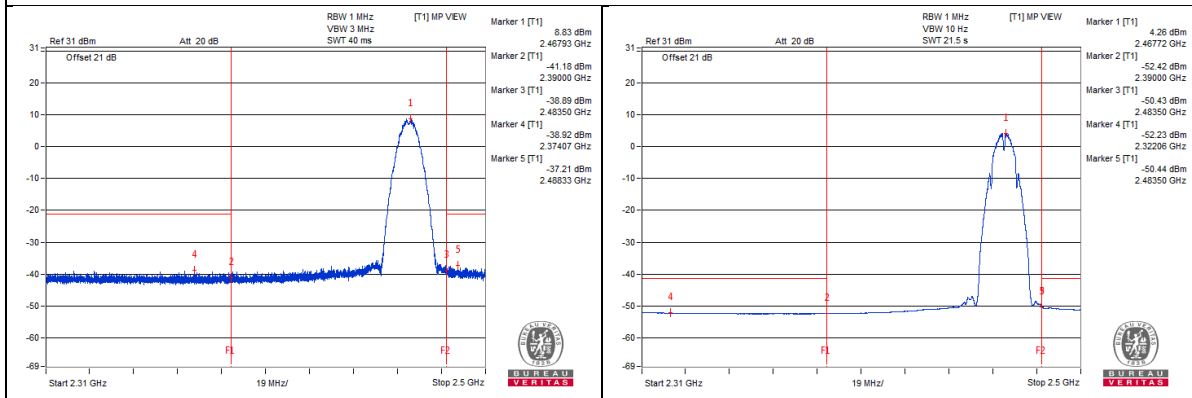
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

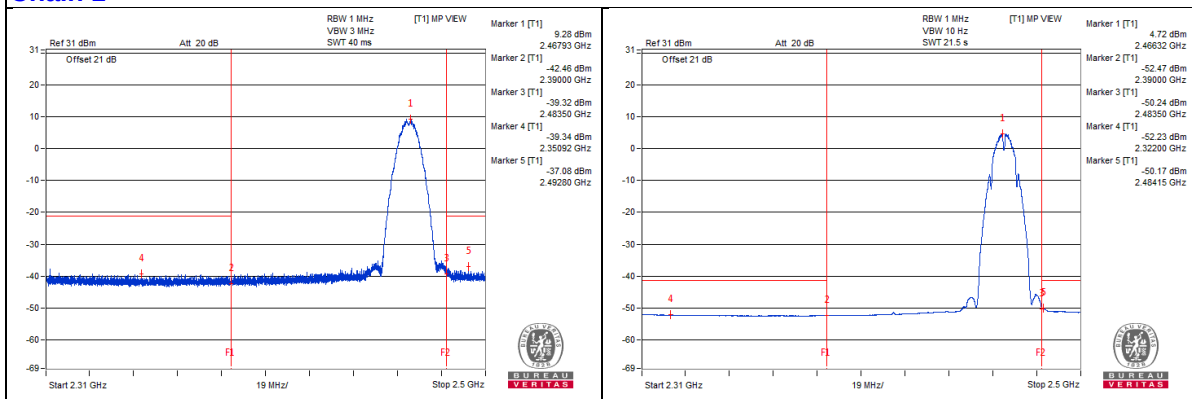
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



802.11b - Channel 13

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4940.62 PK	64.87	74	-9.13	-42.1	-40.82	8.01	-30.39
2	4942.18 AV	54.9	54	* 0.9	-51.46	-51.31	8.01	-40.36
3	7417.18 PK	67.12	74	-6.88	-38.95	-39.39	8.01	-28.14
4	7417.18 AV	56.82	54	* 2.82	-49.4	-49.53	8.01	-38.44

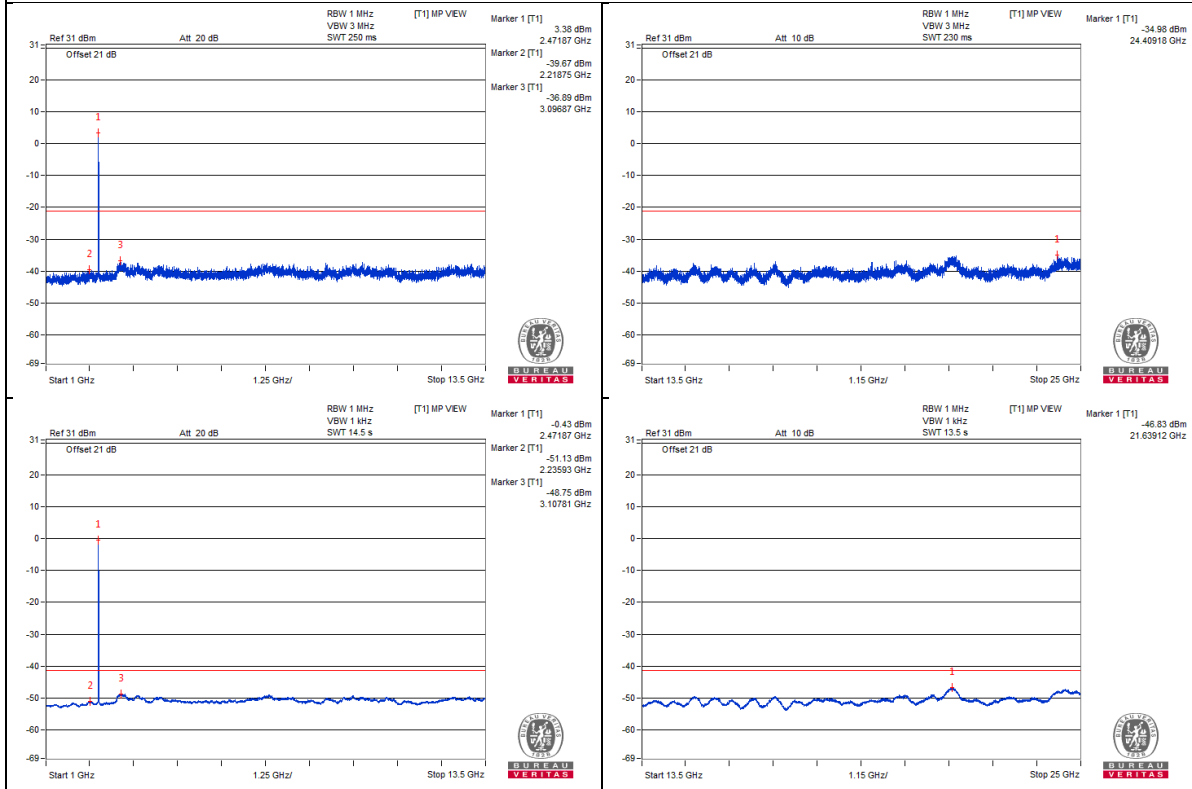
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

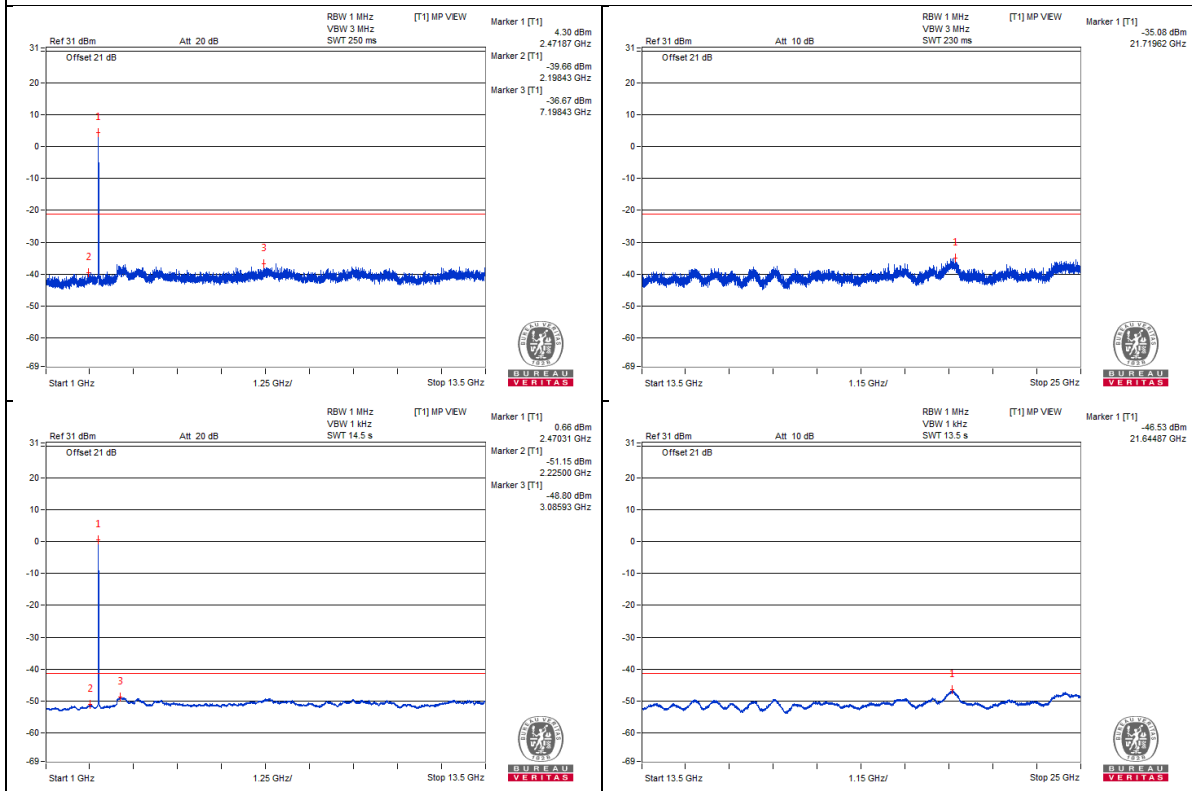
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2359.28 PK	66.59	74	-7.41	-42.1	-38.15	8.01	-28.67
2	2310.21 AV	54.14	54	* 0.14	-52.09	-52.2	8.01	-41.12
3	2483.68 PK	67.89	74	-6.11	-39.95	-37.25	8.01	-27.37
4	2483.51 AV	56.16	54	* 2.16	-50.3	-49.94	8.01	-39.1

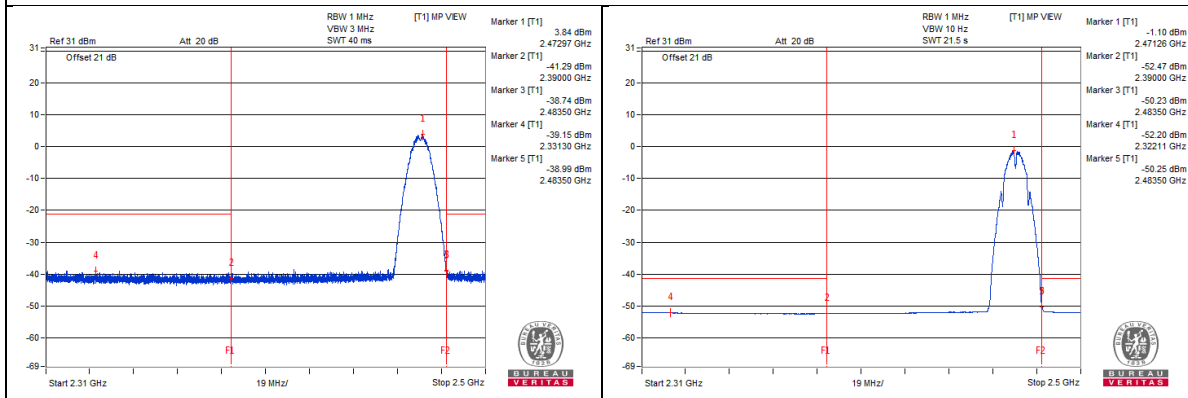
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

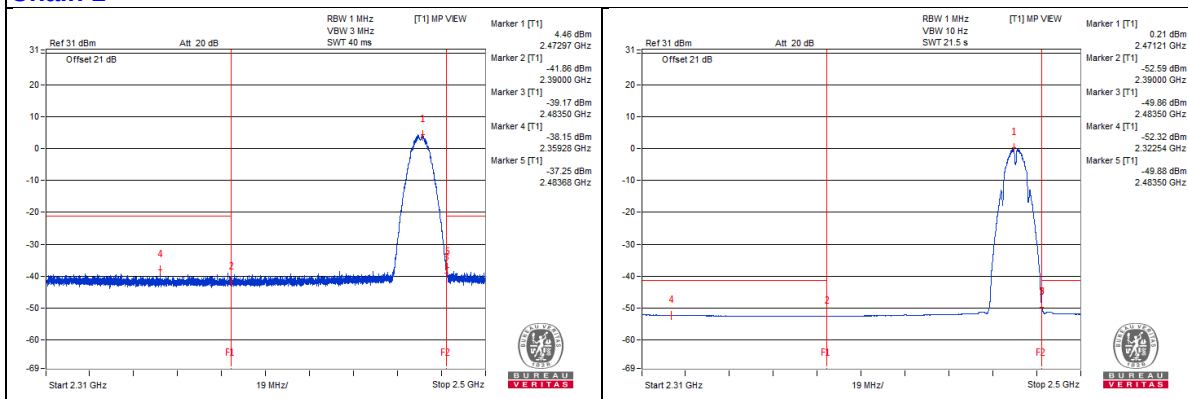
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



802.11g - Channel 1

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1609.37 PK	63.64	74	-10.36	-41.7	-43.83	8.01	-31.62
2	1606.25 AV	53.67	54	-0.33	-52.49	-52.74	8.01	-41.59
3	4825 PK	65.65	74	-8.35	-39.87	-41.56	8.01	-29.61
4	4821.87 AV	55.16	54	* 1.16	-51.2	-51.05	8.01	-40.1

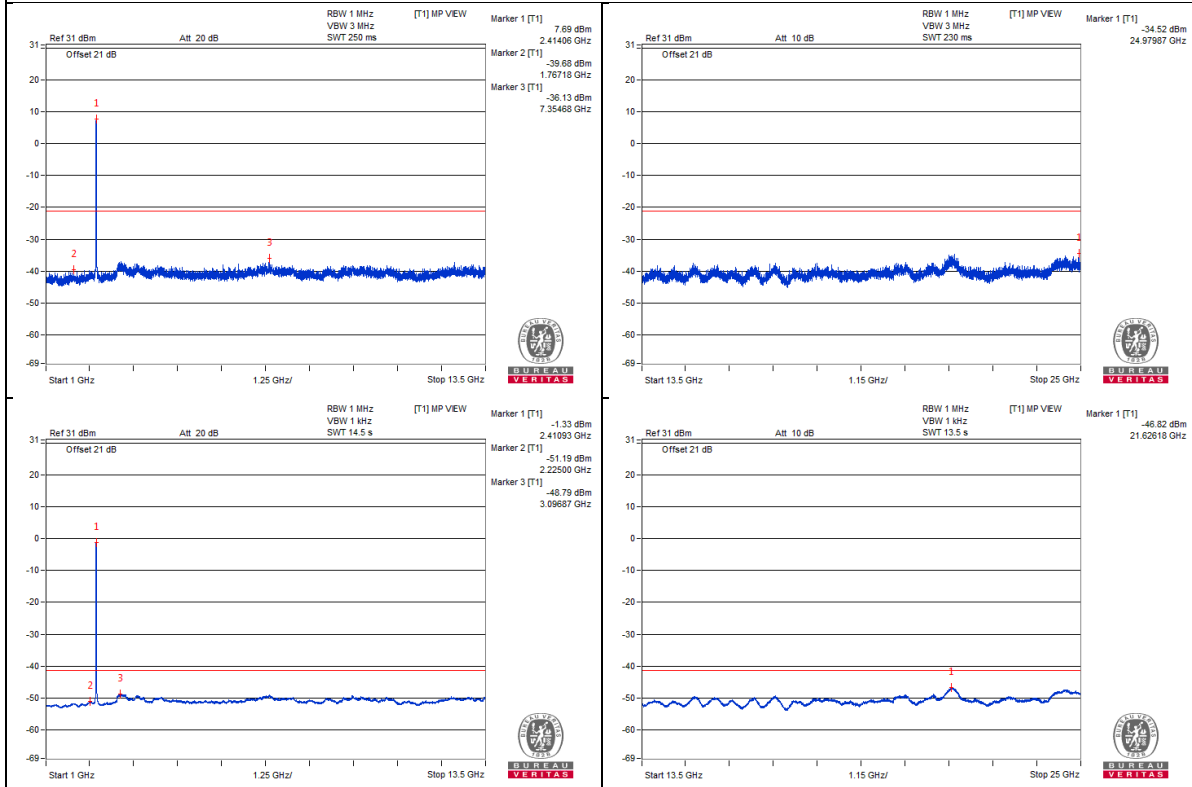
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

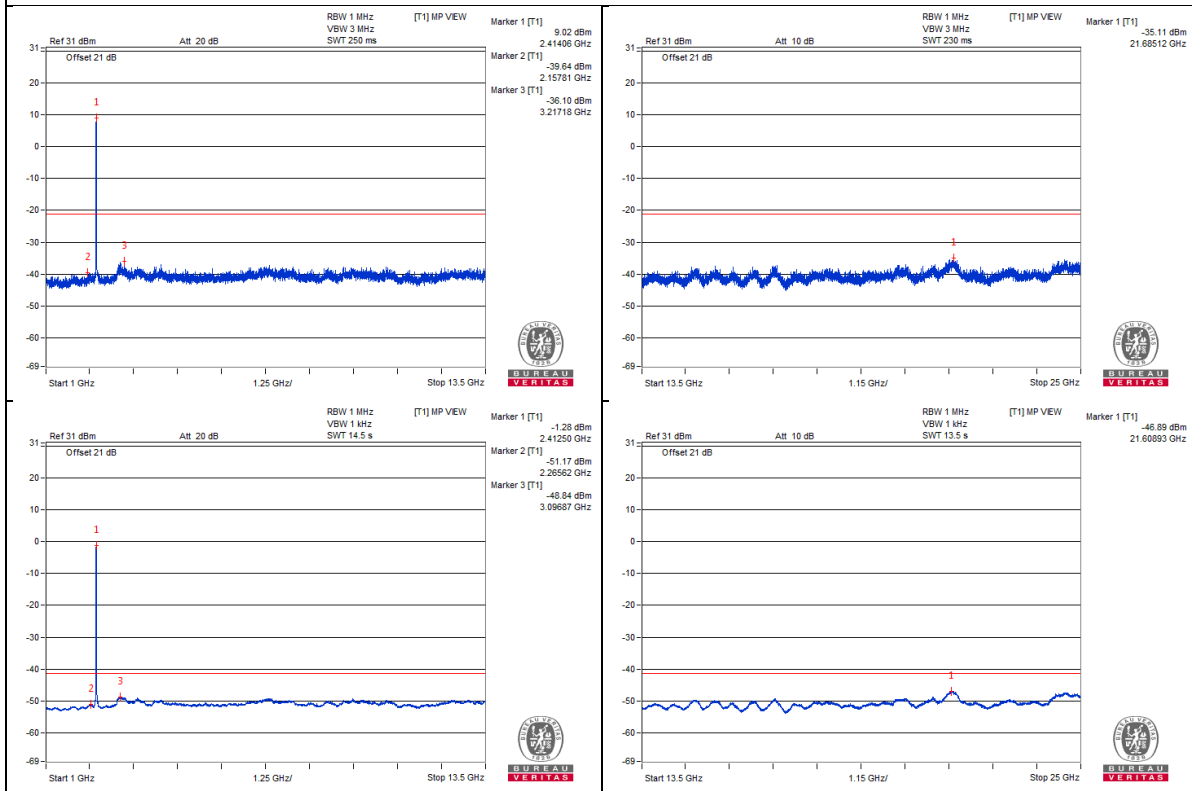
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2389.96 PK	69.92	74	-4.08	-35.48	-37.46	8.01	-25.34
2	2389.91 AV	56.36	54	* 2.36	-49.3	-50.65	8.01	-38.9
3	2489.45 PK	59.12	74	-14.88	-49.23	-45.77	8.01	-36.14
4	2484.3 AV	47.2	54	-6.8	-59.43	-58.75	8.01	-48.06

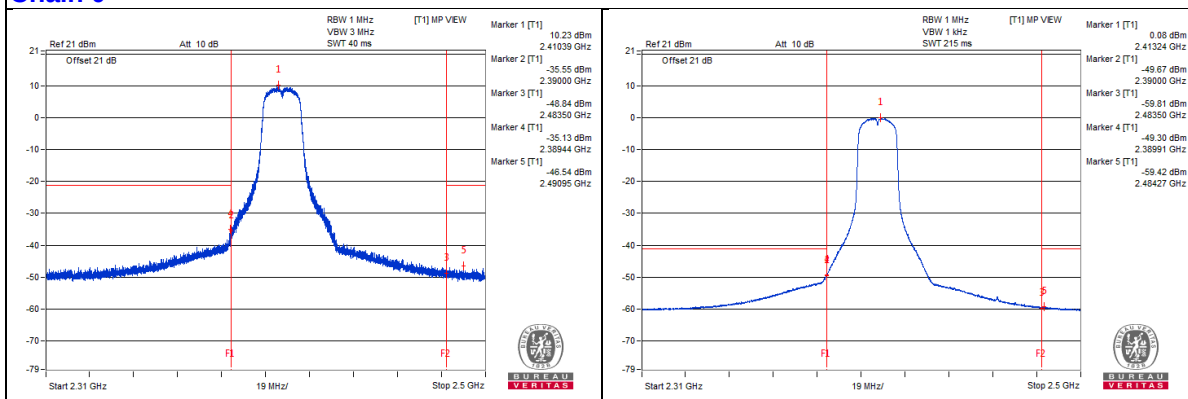
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

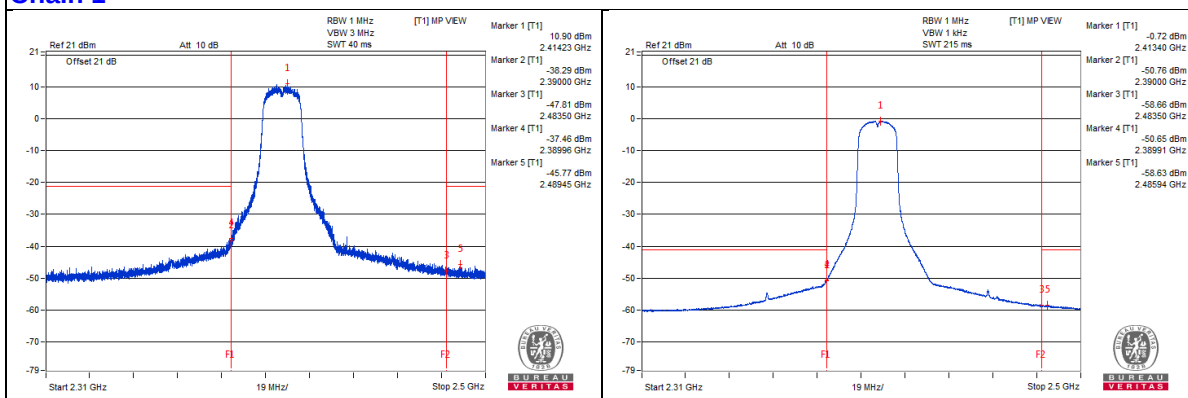
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



802.11g - Channel 2

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1609.37 PK	63.53	74	-10.47	-42.42	-43.1	8.01	-31.73
2	1612.5 AV	53.73	54	-0.27	-52.65	-52.46	8.01	-41.53
3	4834.37 PK	66.45	74	-7.55	-42.43	-38.22	8.01	-28.81
4	4831.25 AV	55.19	54	* 1.19	-51.06	-51.12	8.01	-40.07
5	7253.12 PK	68.75	74	-5.25	-37.16	-37.94	8.01	-26.51
6	7246.87 AV	56.75	54	* 2.75	-49.48	-49.59	8.01	-38.51

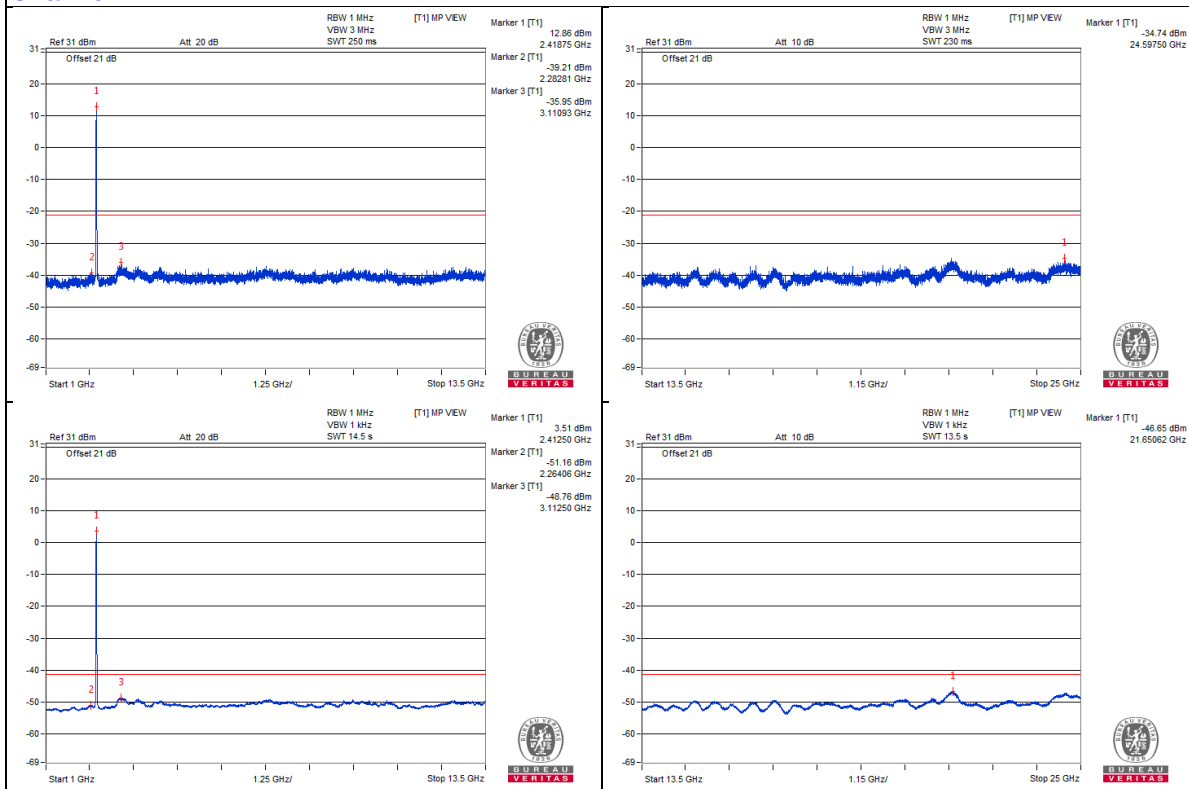
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

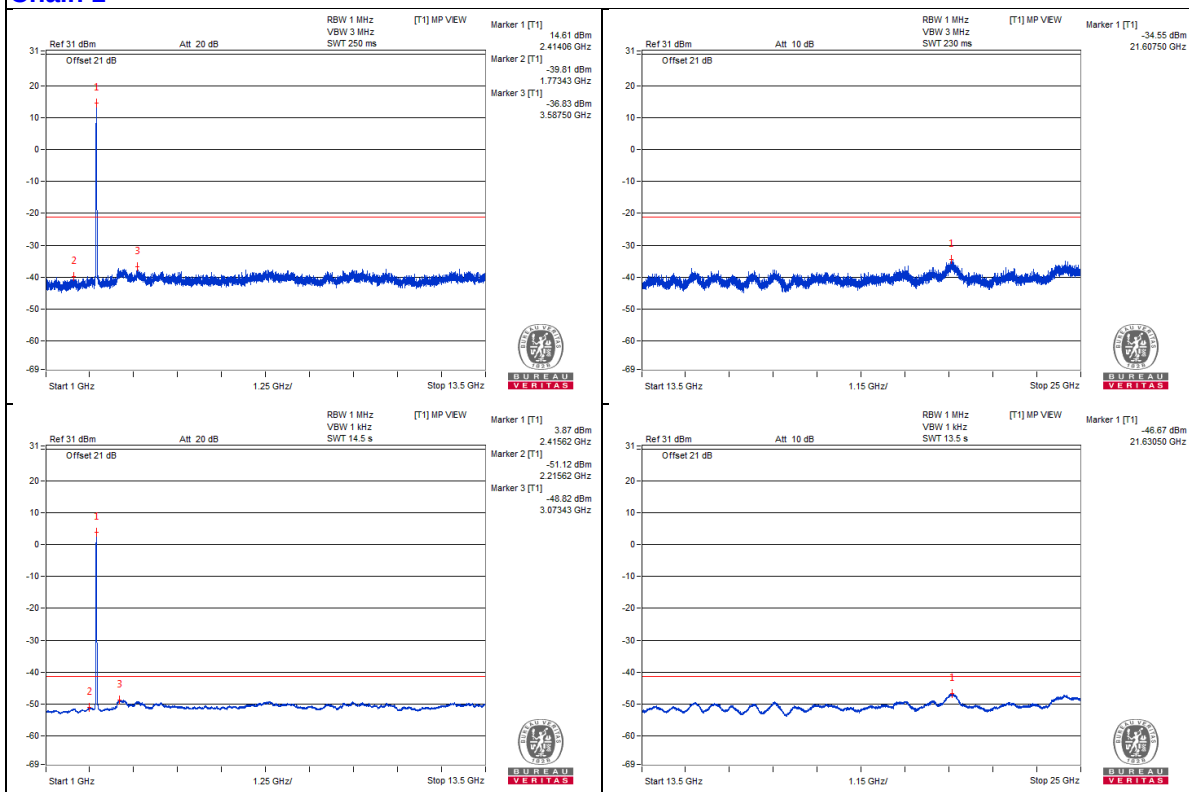
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2388.85 PK	69.54	74	-4.46	-37.38	-36.19	8.01	-25.72
2	2389.13 AV	56.95	54	* 2.95	-49.43	-49.24	8.01	-38.31
3	2493.63 PK	66.47	74	-7.53	-40.3	-39.37	8.01	-28.79
4	2489.02 AV	54.66	54	* 0.66	-51.74	-51.51	8.01	-40.6

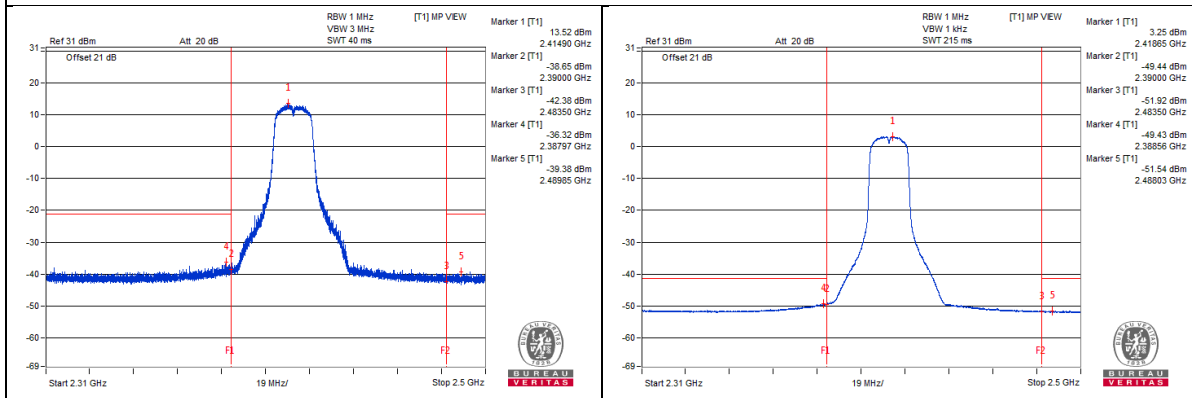
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

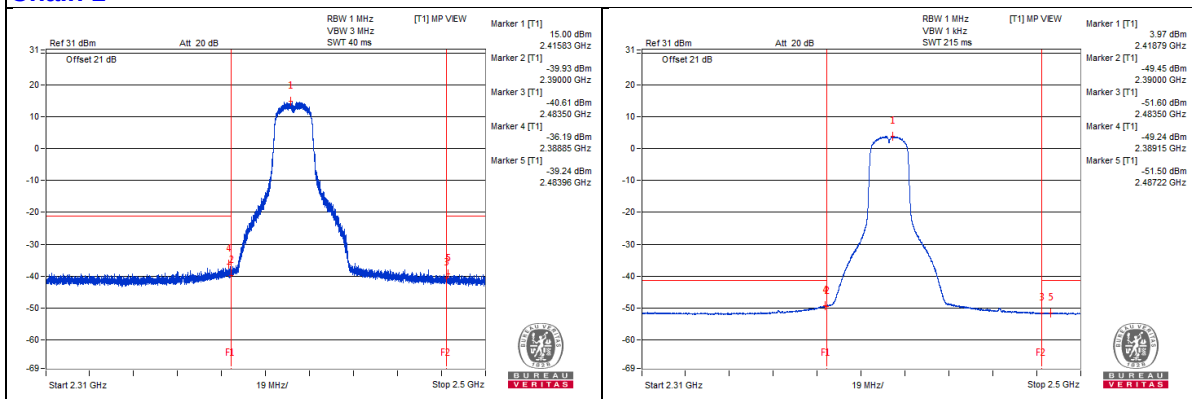
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



802.11g - Channel 6

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1625 PK	63.89	74	-10.11	-41.86	-42.99	8.01	-31.37
2	1625 AV	53.66	54	-0.34	-52.69	-52.56	8.01	-41.6
3	4876.56 PK	65.56	74	-8.44	-40.34	-41.13	8.01	-29.7
4	4870.31 AV	55.03	54	* 1.03	-51.19	-51.32	8.01	-40.23
5	7307.81 PK	67.77	74	-6.23	-39.1	-38	8.01	-27.49
6	7315.62 AV	56.63	54	* 2.63	-49.67	-49.64	8.01	-38.63

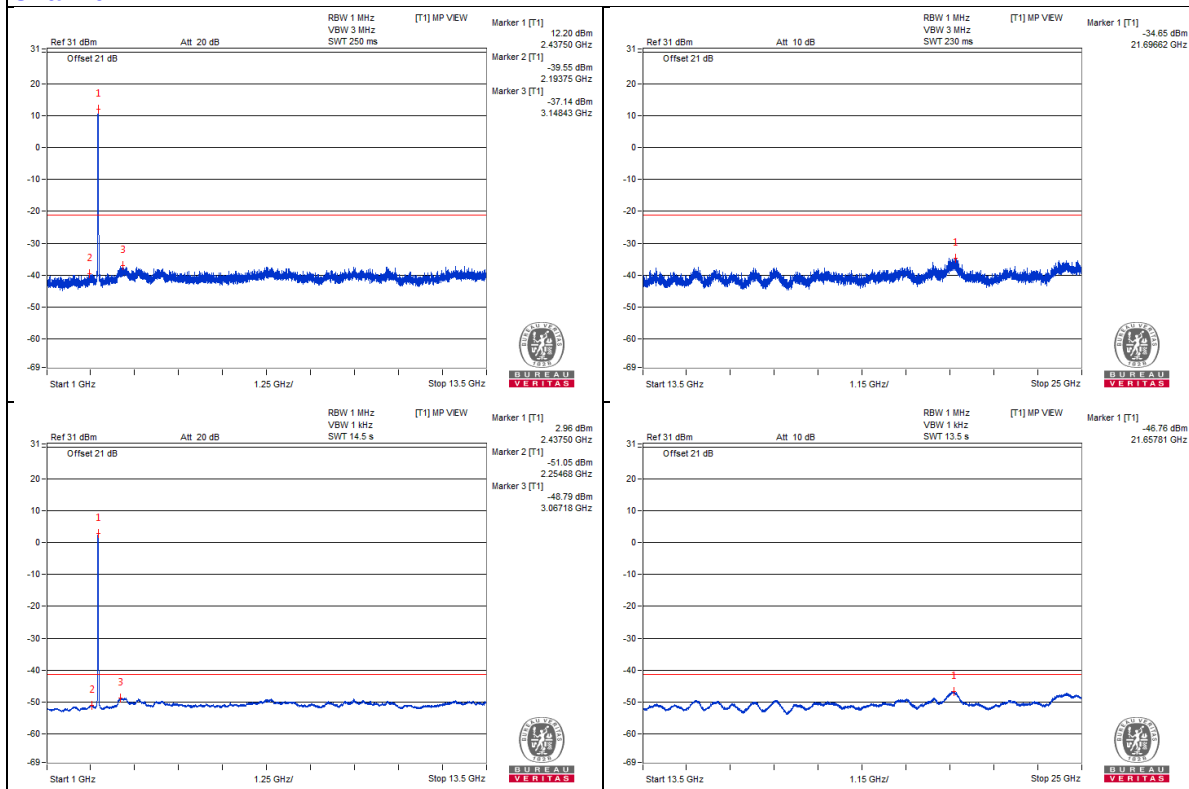
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

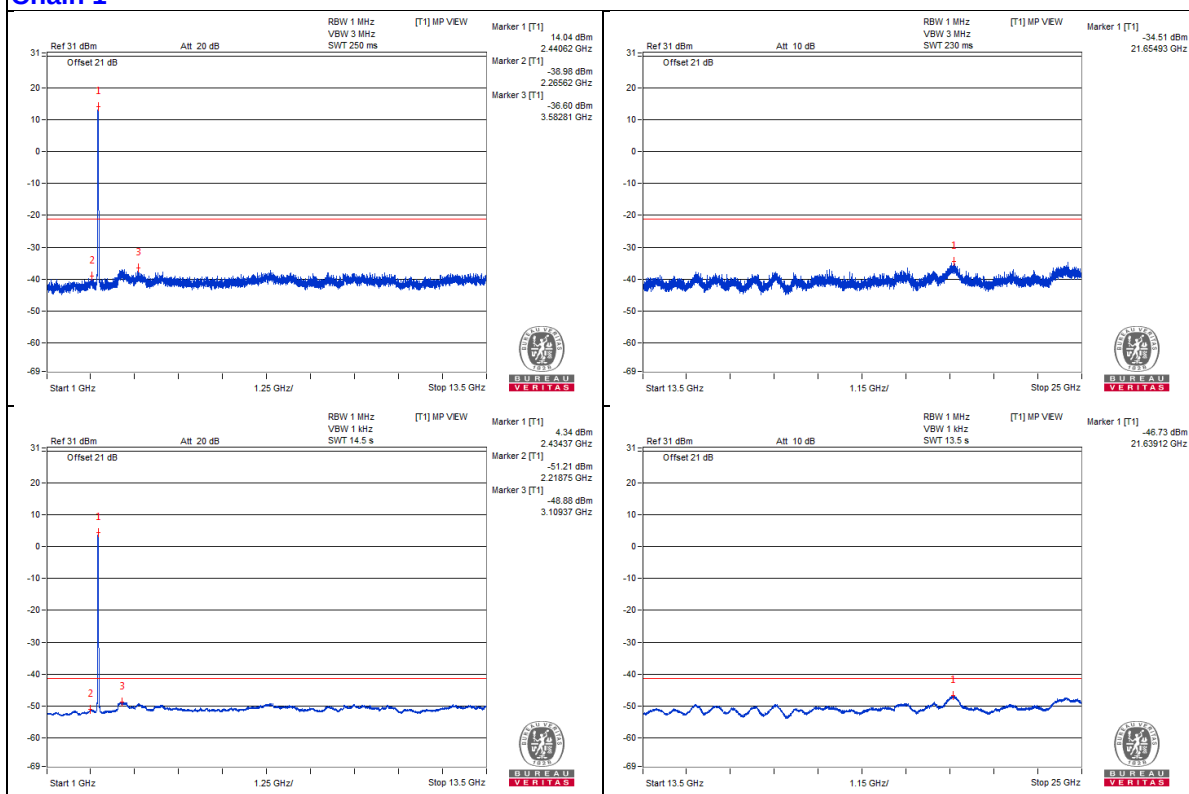
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2389.46 PK	66.64	74	-7.36	-39.55	-39.73	8.01	-28.62
2	2389.08 AV	55.19	54	* 1.19	-51.28	-50.9	8.01	-40.07
3	2484.77 PK	67.06	74	-6.94	-40.26	-38.38	8.01	-28.2
4	2485.01 AV	55.6	54	* 1.6	-51.36	-50.09	8.01	-39.66

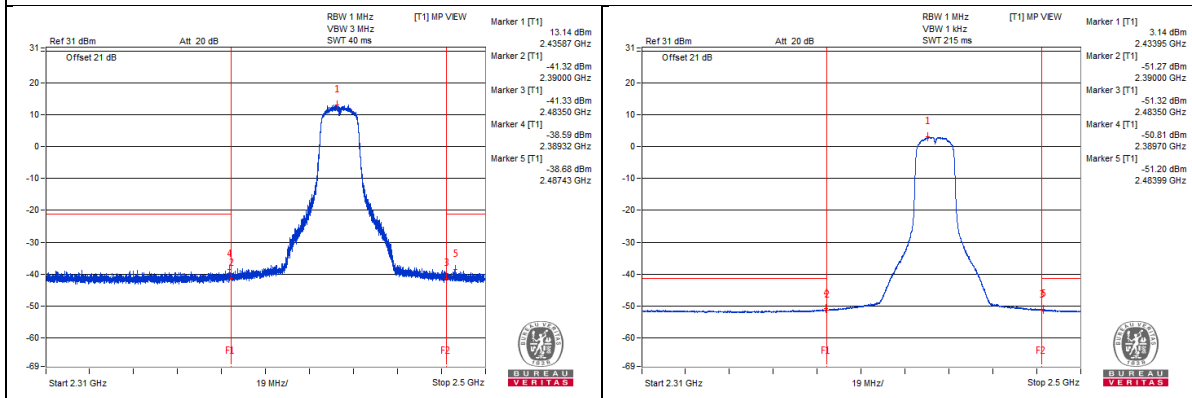
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

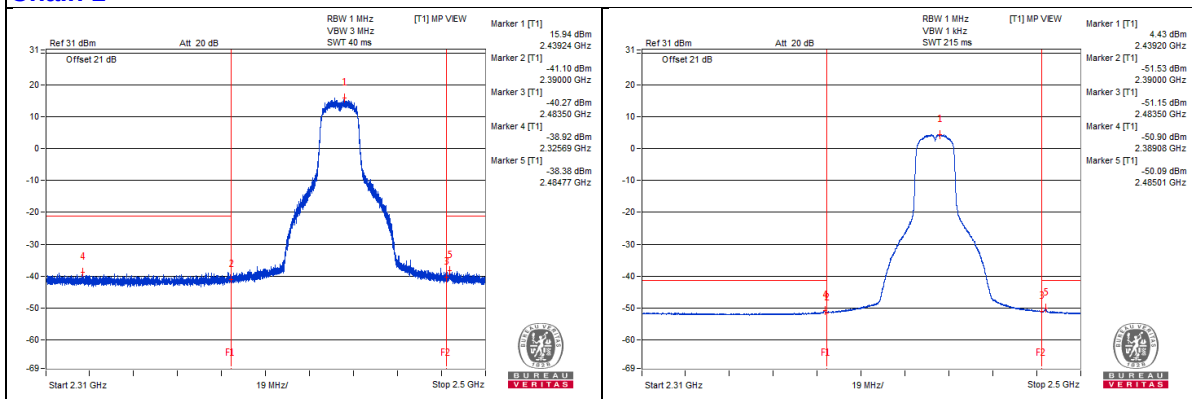
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



802.11g - Channel 10

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4917.18 PK	65.8	74	-8.2	-40.37	-40.59	8.01	-29.46
2	4917.18 AV	54.9	54	* 0.9	-51.35	-51.41	8.01	-40.36
3	7371.87 PK	67.49	74	-6.51	-38.76	-38.82	8.01	-27.77
4	7371.87 AV	56.88	54	* 2.88	-49.54	-49.27	8.01	-38.38

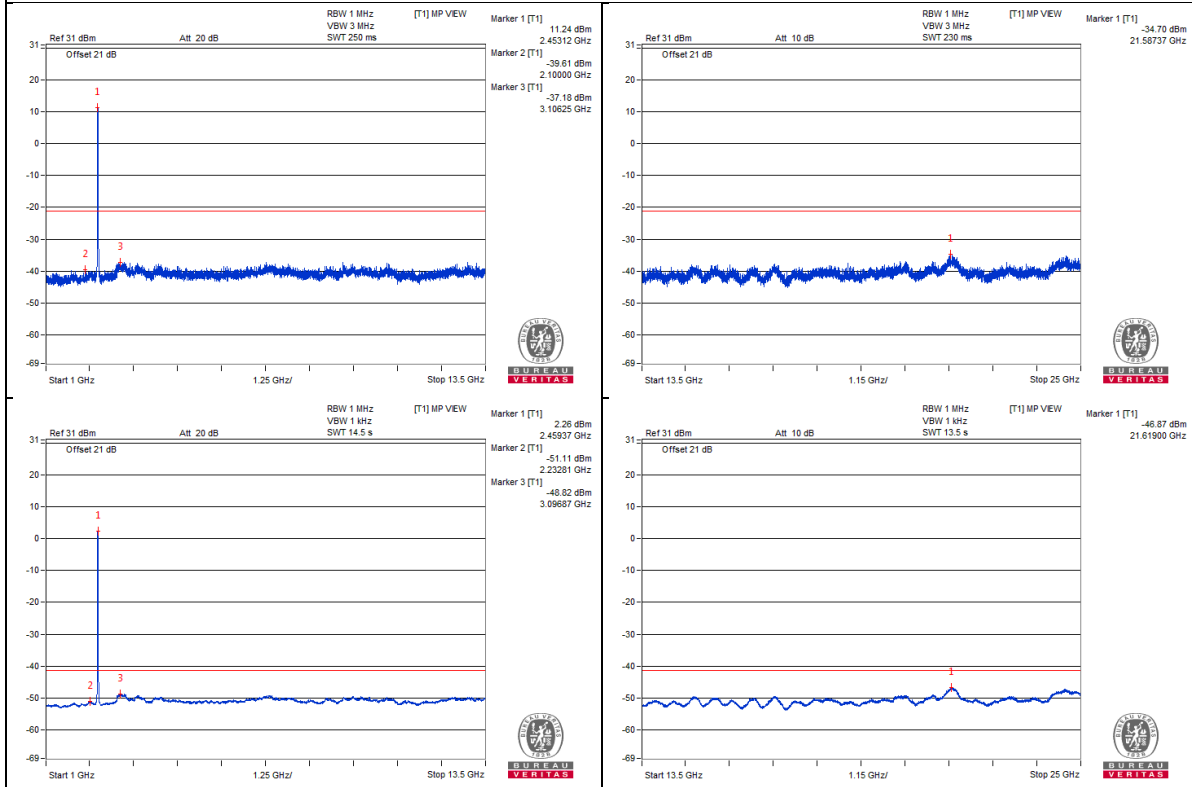
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

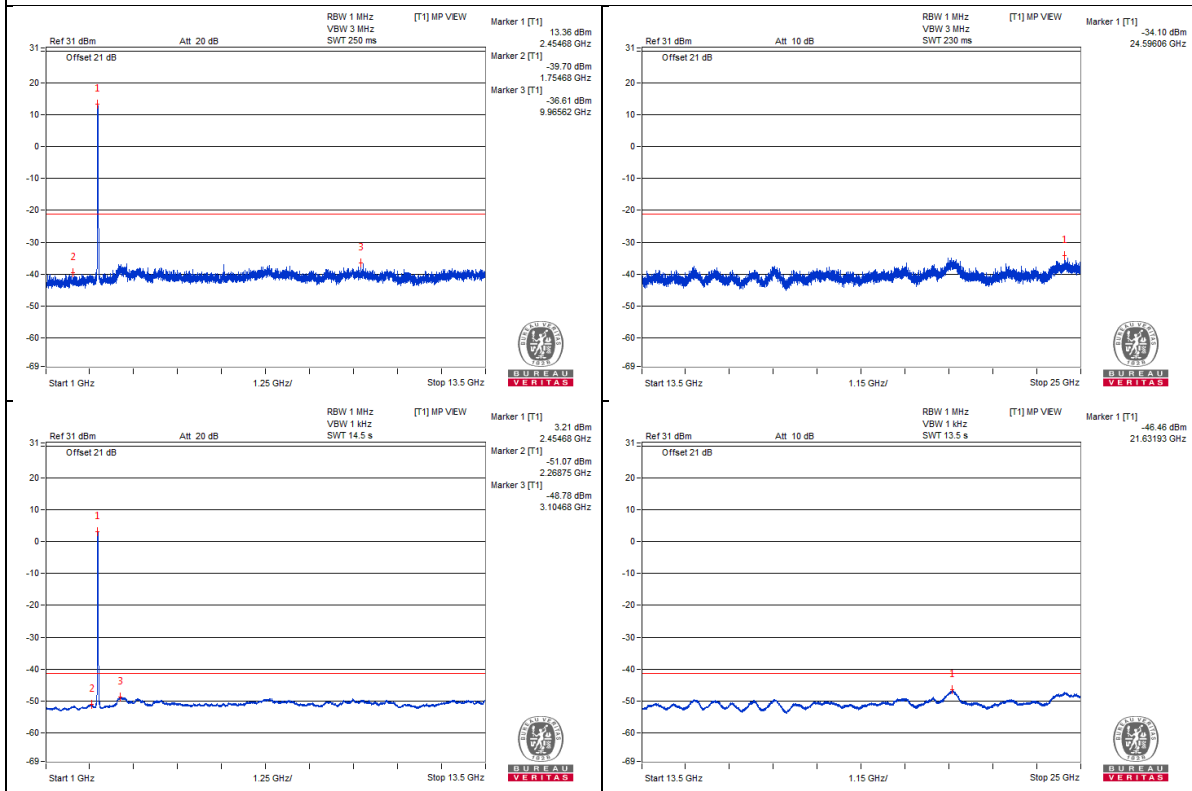
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

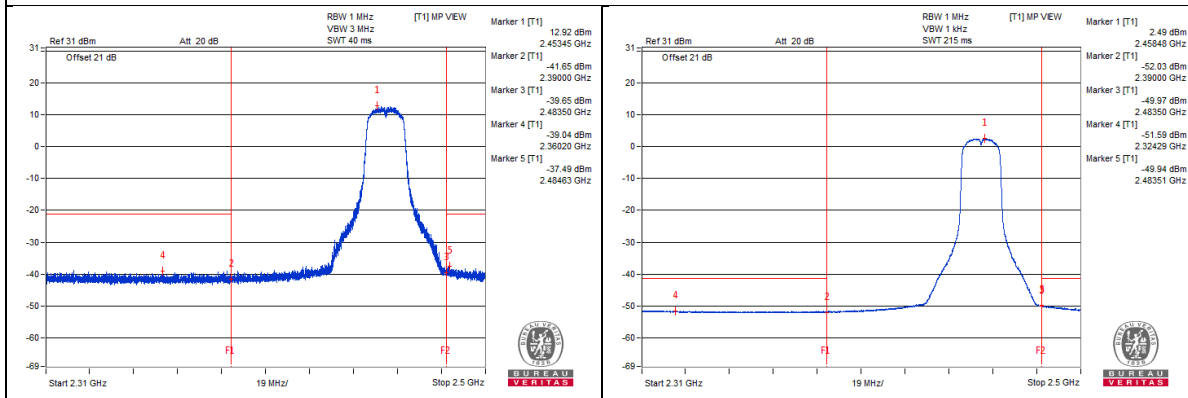
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2318.45 PK	66.43	74	-7.57	-40.19	-39.53	8.01	-28.83
2	2312.3 AV	54.69	54	* 0.69	-51.72	-51.46	8.01	-40.57
3	2484.63 PK	68.21	74	-5.79	-37.49	-38.75	8.01	-27.05
4	2483.63 AV	56.79	54	* 2.79	-50.09	-48.97	8.01	-38.47

Note :

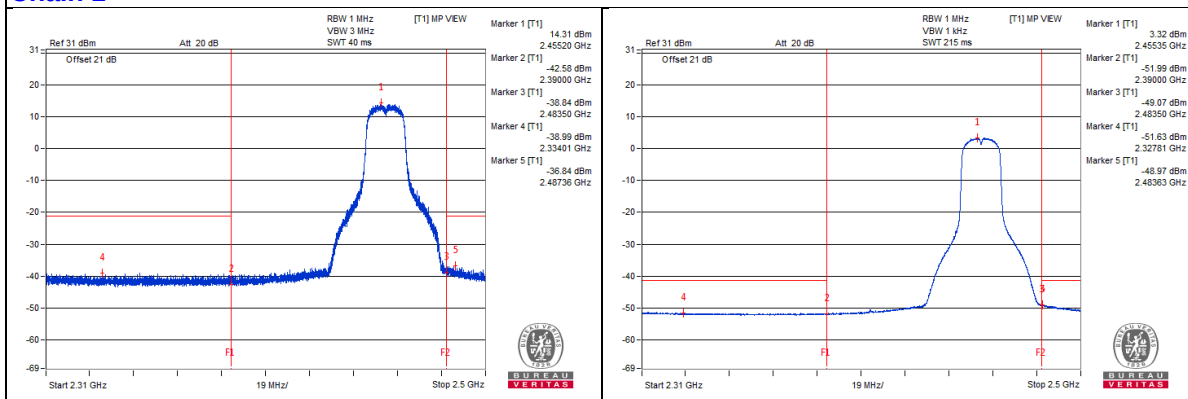
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



802.11g - Channel 11

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4925 PK	65.78	74	-8.22	-40.78	-40.23	8.01	-29.48
2	4921.87 AV	54.9	54	* 0.9	-51.29	-51.48	8.01	-40.36
3	7381.25 PK	67.75	74	-6.25	-39.15	-37.99	8.01	-27.51
4	7389.06 AV	56.72	54	* 2.72	-49.45	-49.67	8.01	-38.54

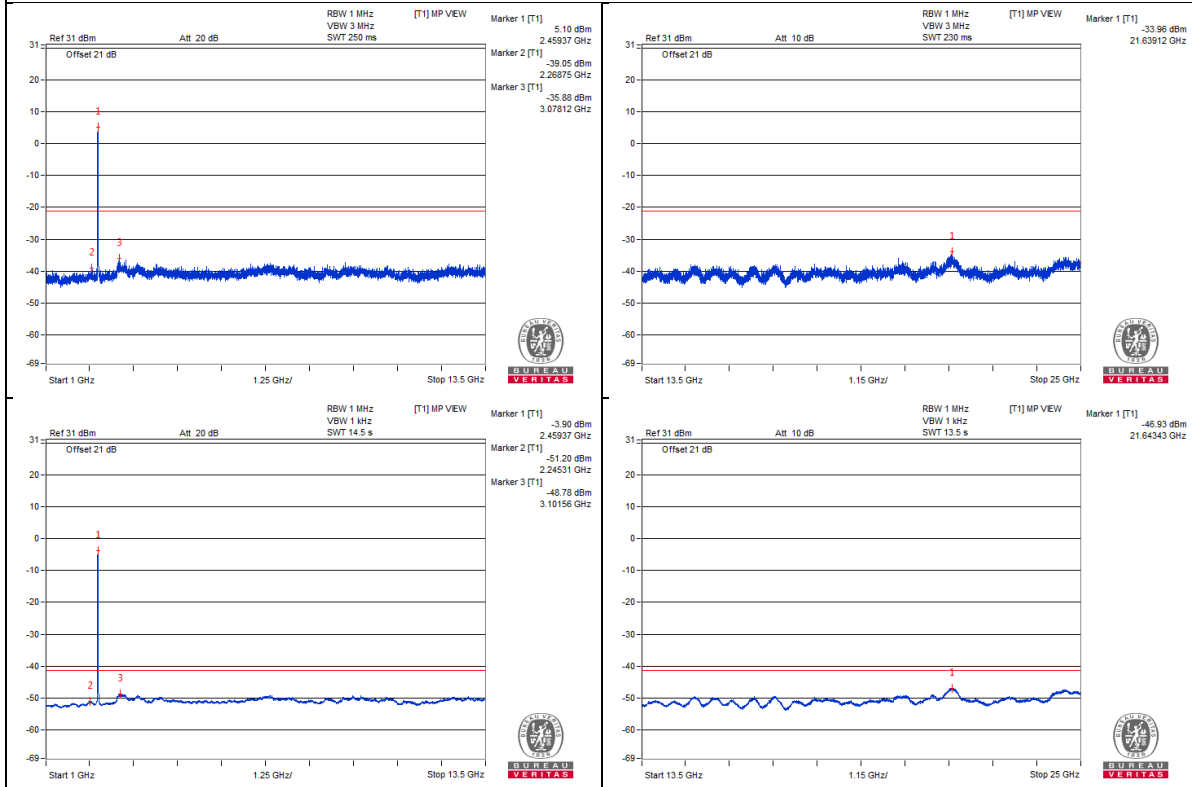
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

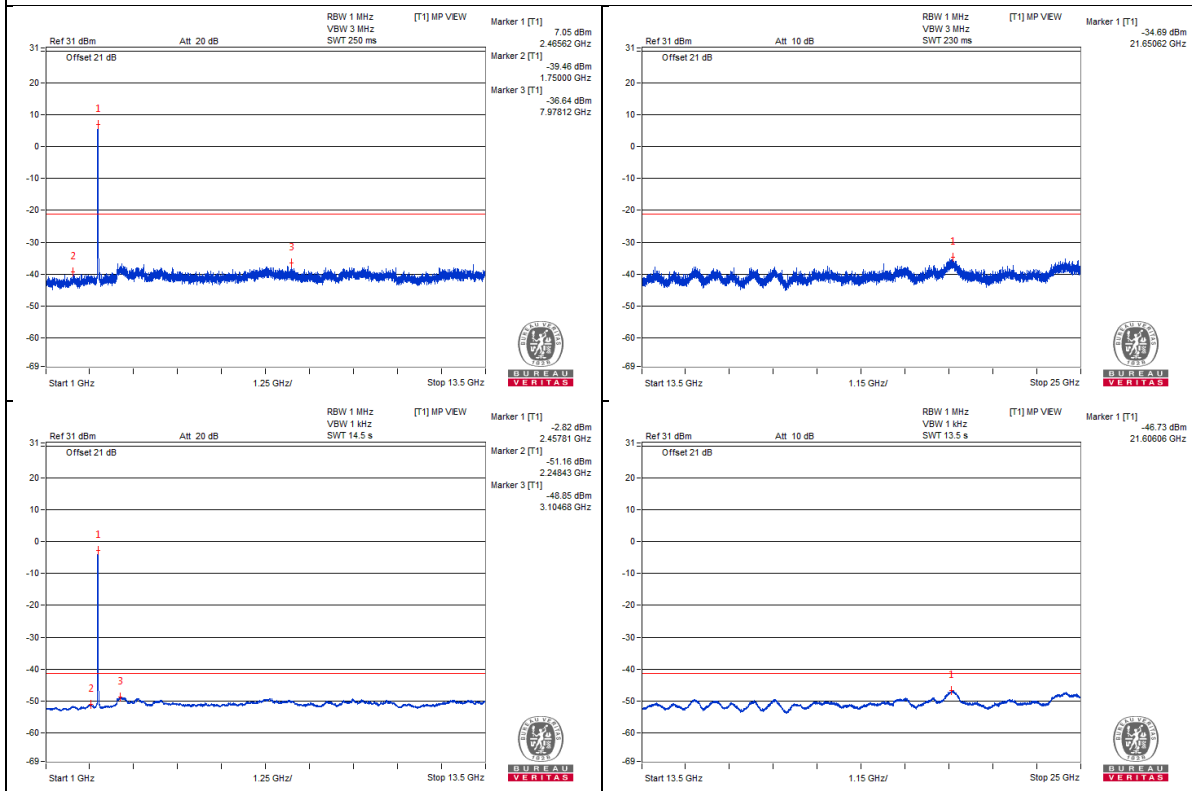
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2337.45 PK	66.53	74	-7.47	-39.47	-40.06	8.01	-28.73
2	2317.69 AV	54.67	54	* 0.67	-51.49	-51.74	8.01	-40.59
3	2484.99 PK	67.47	74	-6.53	-38.16	-39.58	8.01	-27.79
4	2483.51 AV	55.82	54	* 1.82	-50.82	-50.12	8.01	-39.44

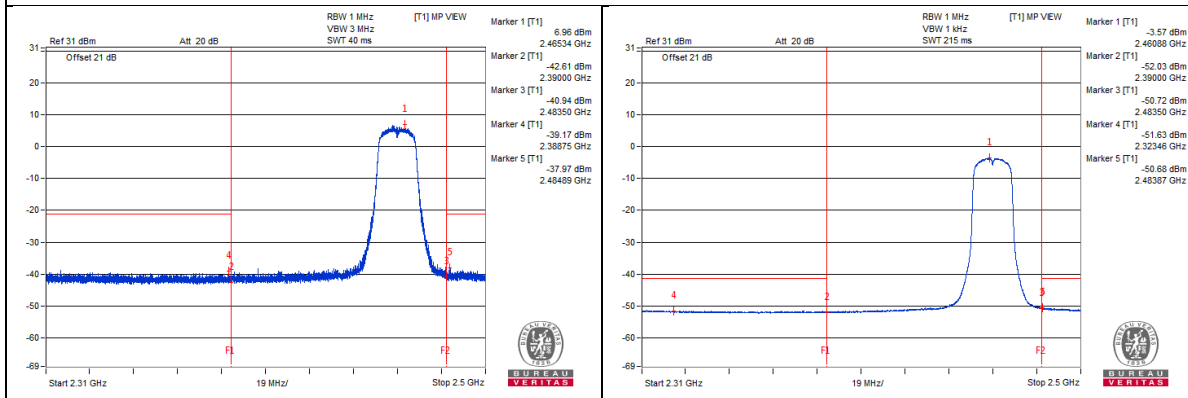
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

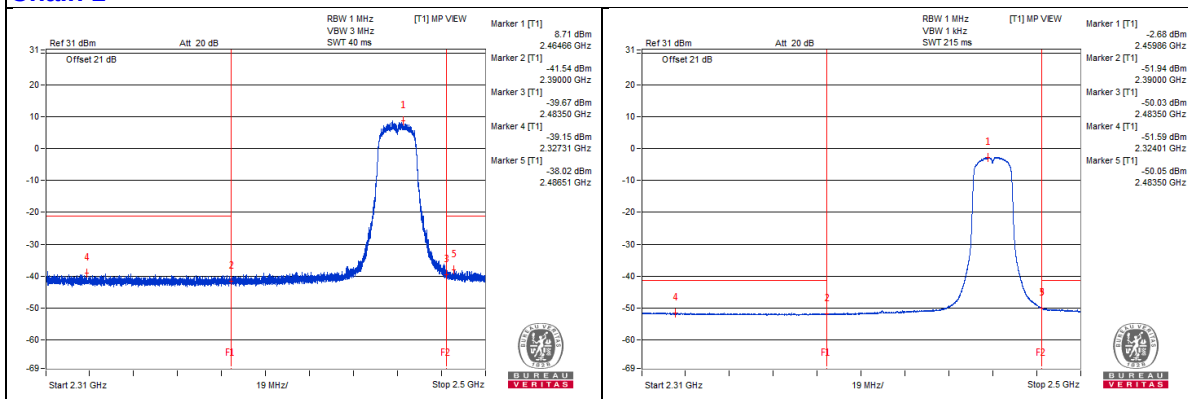
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



802.11g - Channel 12

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4935.93 PK	65.95	74	-8.05	-41	-39.75	8.01	-29.31
2	4937.5 AV	54.98	54	* 0.98	-51.36	-51.24	8.01	-40.28
3	7403.12 PK	67.03	74	-6.97	-38.81	-39.74	8.01	-28.23
4	7398.43 AV	56.52	54	* 2.52	-49.69	-49.84	8.01	-38.74

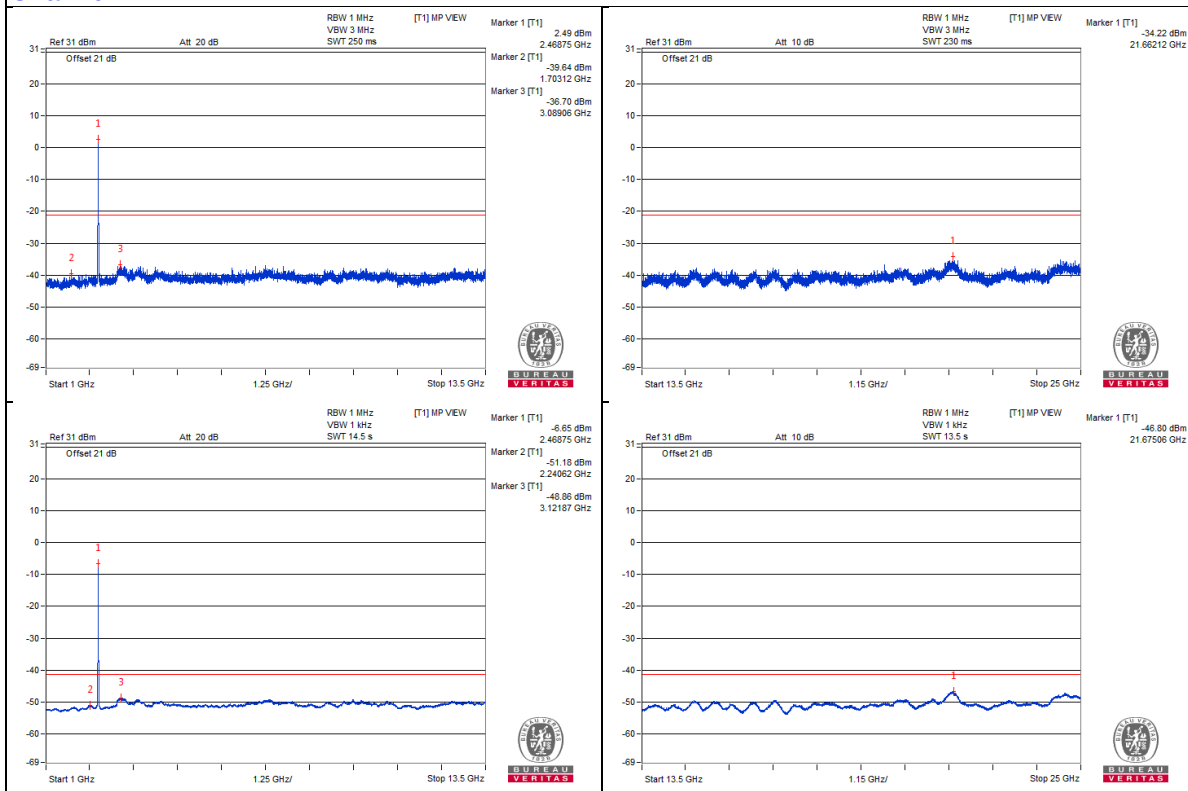
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

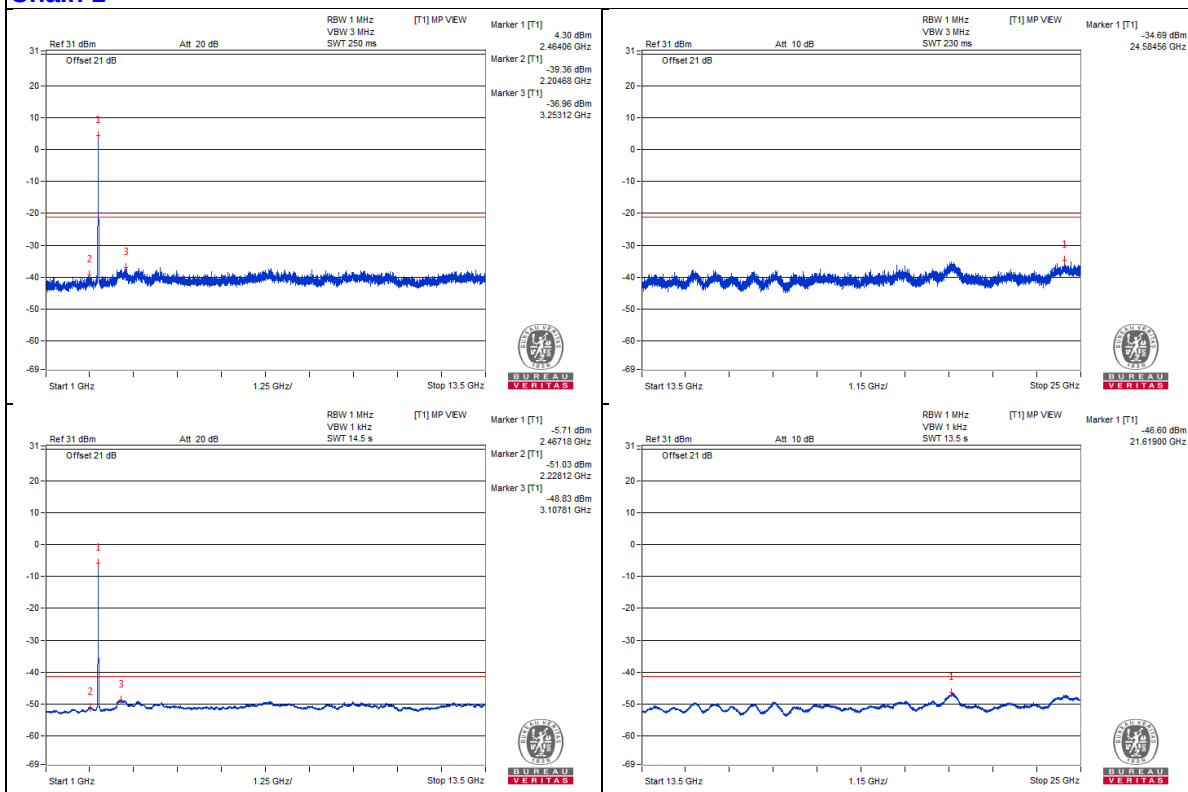
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2319.12 PK	66.43	74	-7.57	-40.91	-39	8.01	-28.83
2	2313.96 AV	54.71	54	* 0.71	-51.63	-51.52	8.01	-40.55
3	2492.54 PK	68.14	74	-5.86	-39.24	-37.26	8.01	-27.12
4	2483.68 AV	56.14	54	* 2.14	-50.58	-49.75	8.01	-39.12

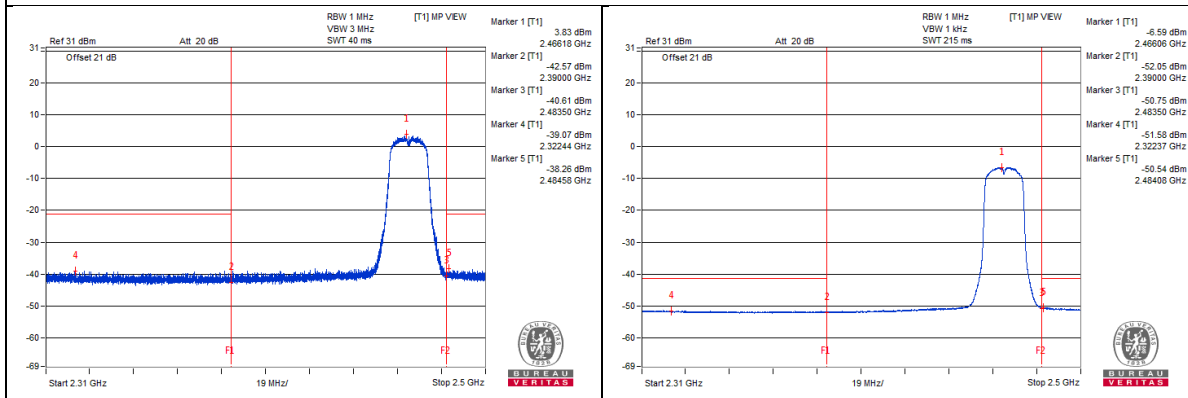
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

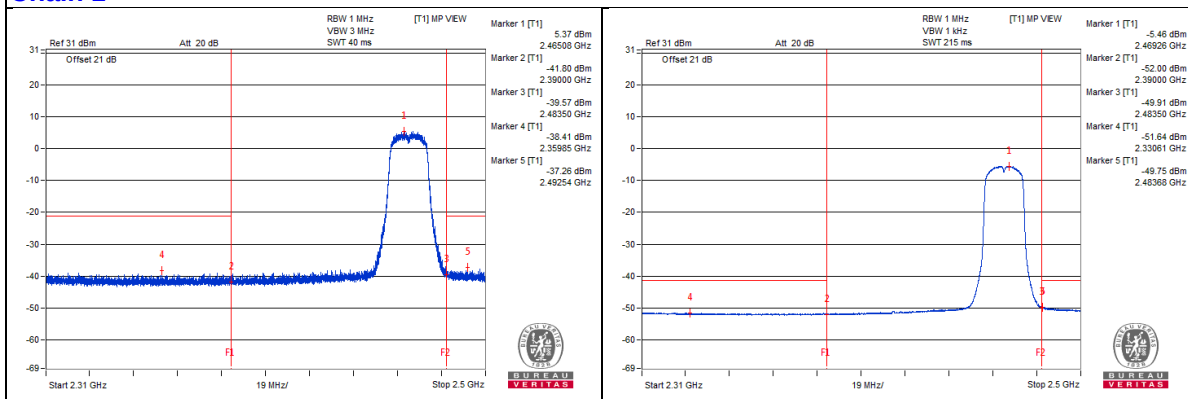
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



802.11g - Channel 13

Conducted spurious emission table

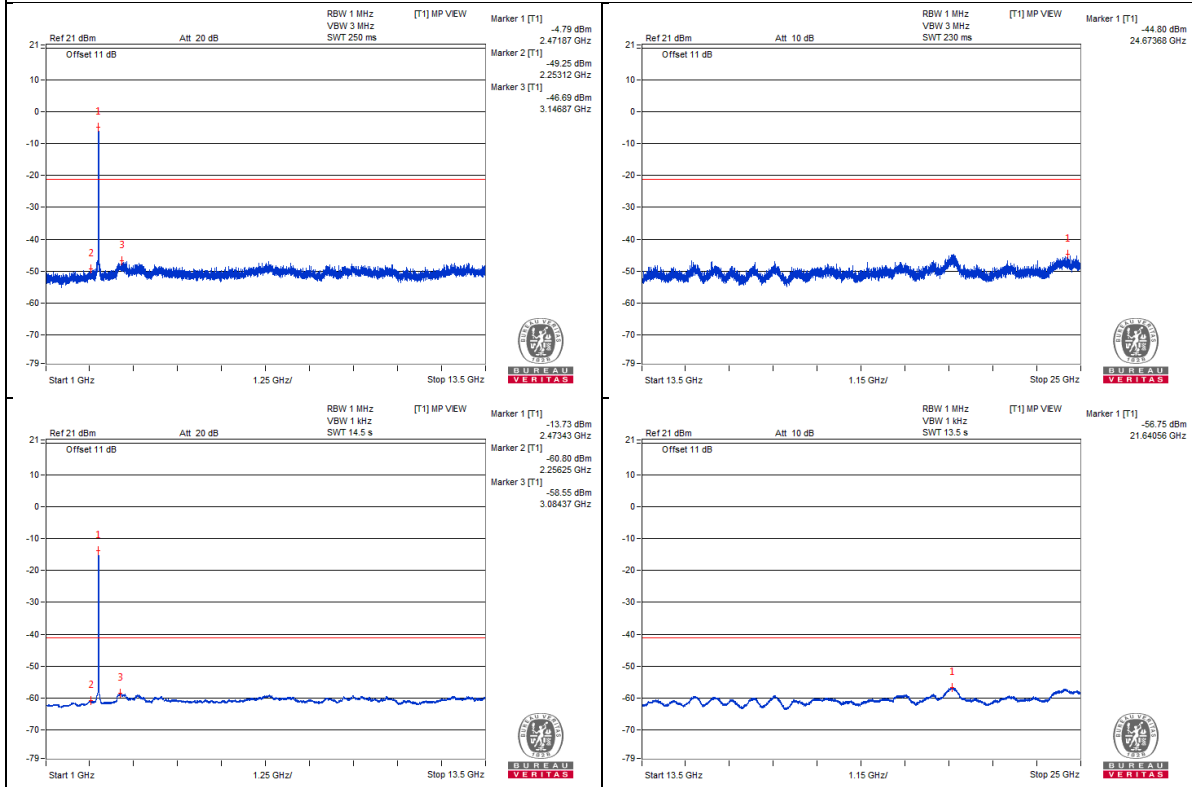
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4940.62 PK	56.02	74	-17.98	-49.51	-51.17	8.01	-39.24
2	4945.31 AV	45.17	54	-8.83	-61.17	-61.05	8.01	-50.09
3	7415.62 PK	57.28	74	-16.72	-49.76	-48.35	8.01	-37.98
4	7415.62 AV	46.85	54	-7.15	-59.39	-59.48	8.01	-48.41

Note :

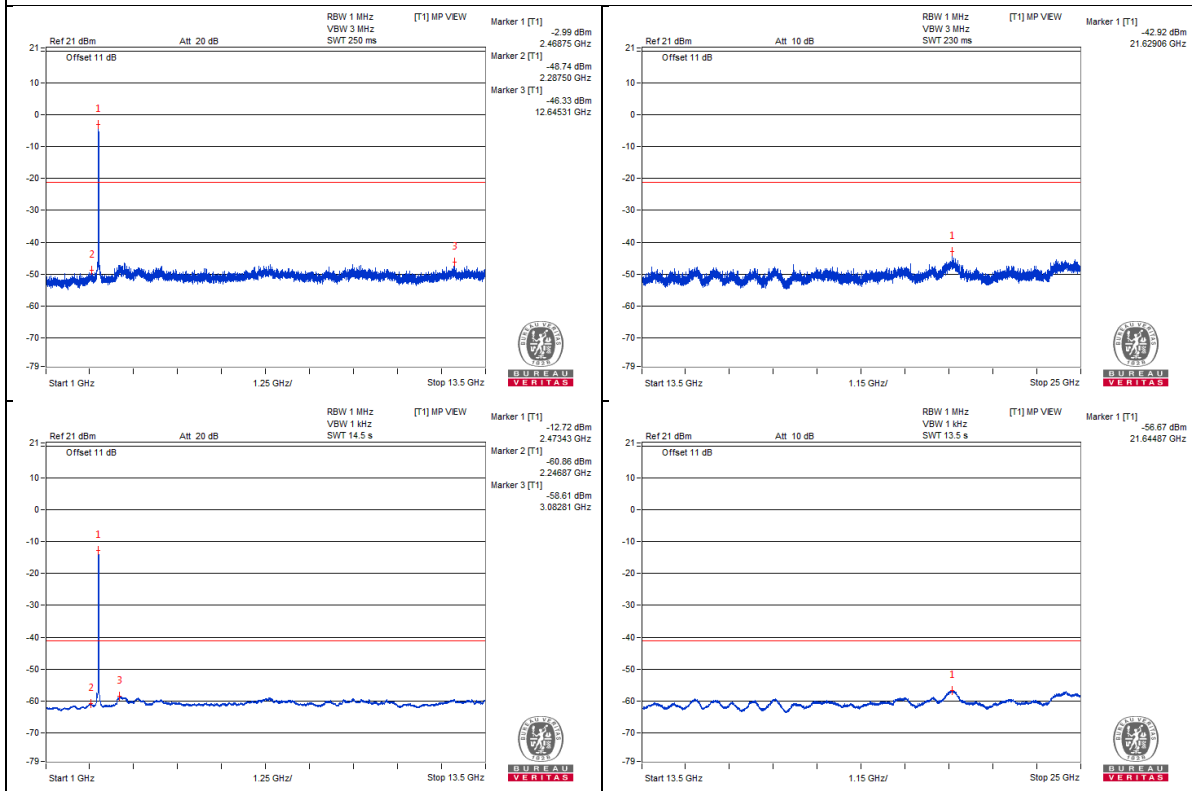
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2347.69 PK	57.09	74	-16.91	-48.71	-49.72	8.01	-38.17
2	2387.4 AV	45.8	54	-8.2	-59.95	-61.08	8.01	-49.46
3	2483.58 PK	71.76	74	-2.24	-37.71	-32.7	8.01	-23.5
4	2483.51 AV	56.03	54	* 2.03	-50.43	-50.07	8.01	-39.23

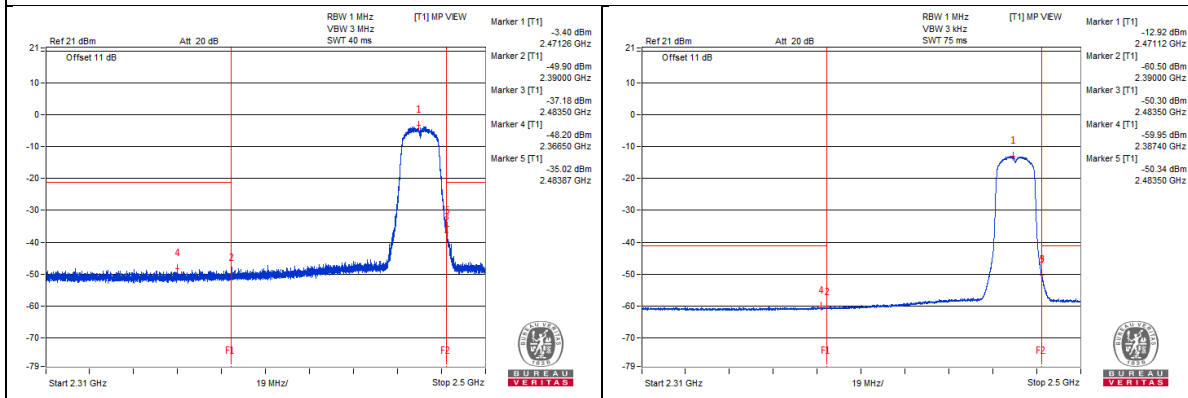
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

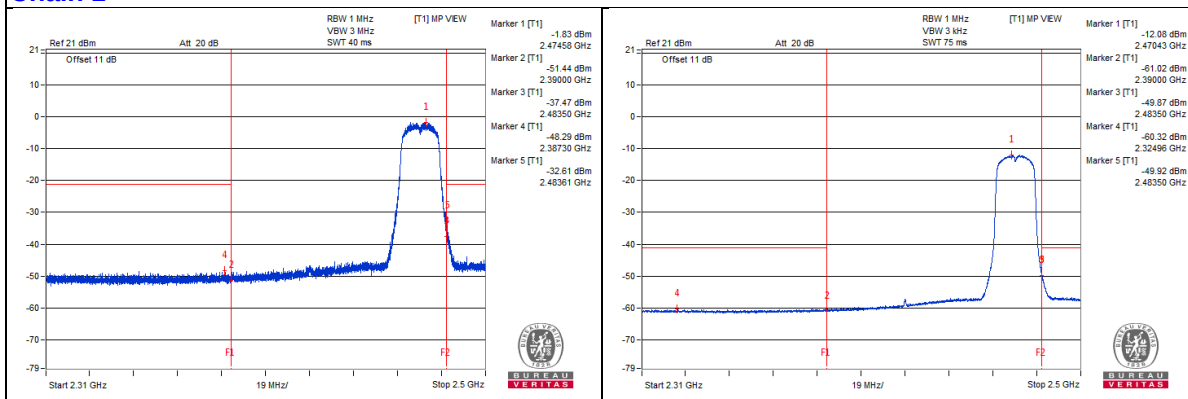
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT20 - Channel 1

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1607.81 PK	63.41	74	-10.59	-42.71	-43.03	8.01	-31.85
2	1606.25 AV	53.65	54	-0.35	-52.71	-52.55	8.01	-41.61
3	4820.31 PK	65.97	74	-8.03	-40.16	-40.47	8.01	-29.29
4	4828.12 AV	55.3	54	* 1.3	-51.08	-50.88	8.01	-39.96

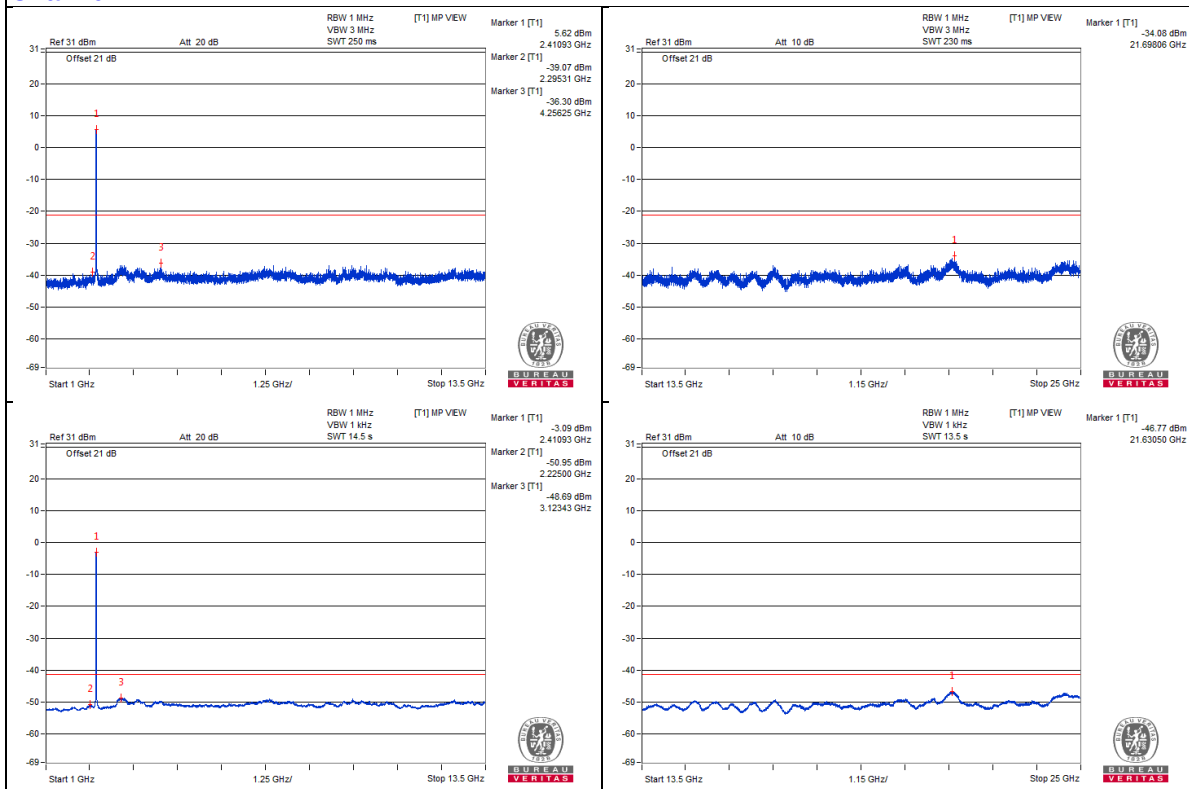
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

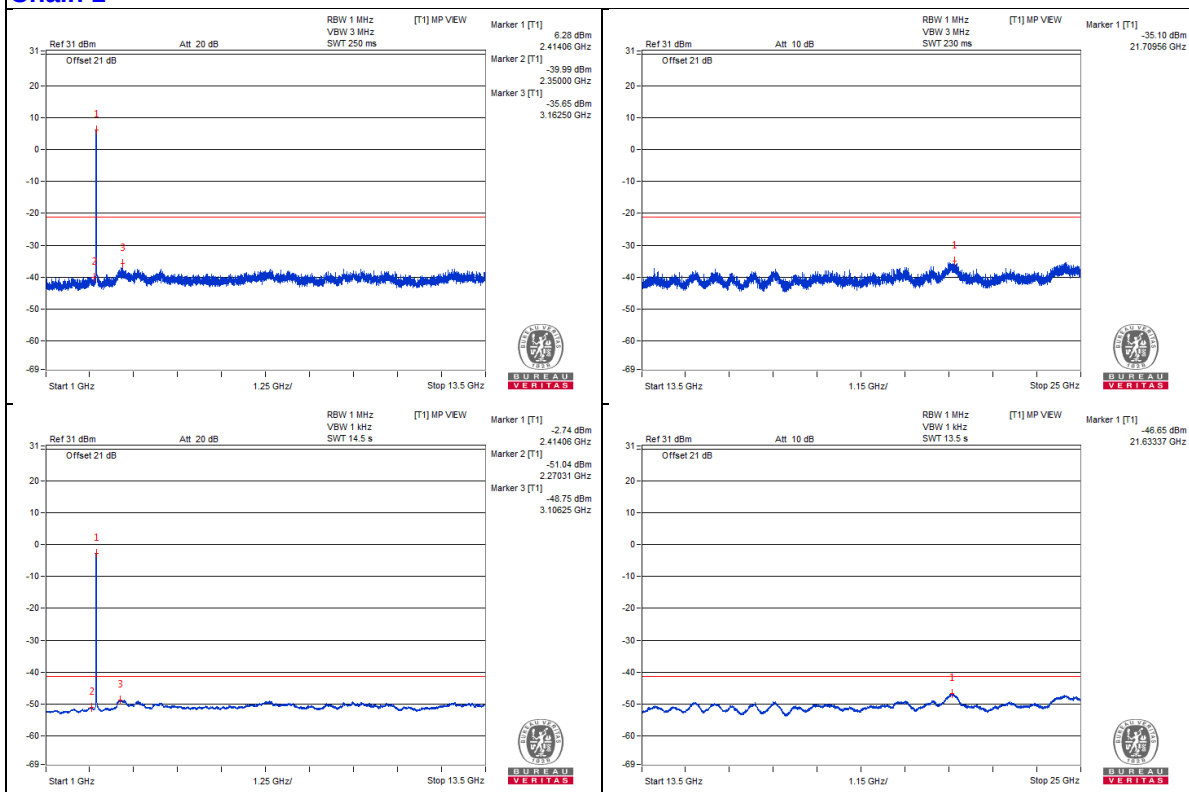
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2387.47 PK	68.34	74	-5.66	-37.64	-38.26	8.01	-26.92
2	2389.91 AV	56.58	54	* 2.58	-49.12	-50.38	8.01	-38.68
3	2494.18 PK	66.46	74	-7.54	-39.3	-40.42	8.01	-28.8
4	2485.72 AV	54.71	54	* 0.71	-51.9	-51.27	8.01	-40.55

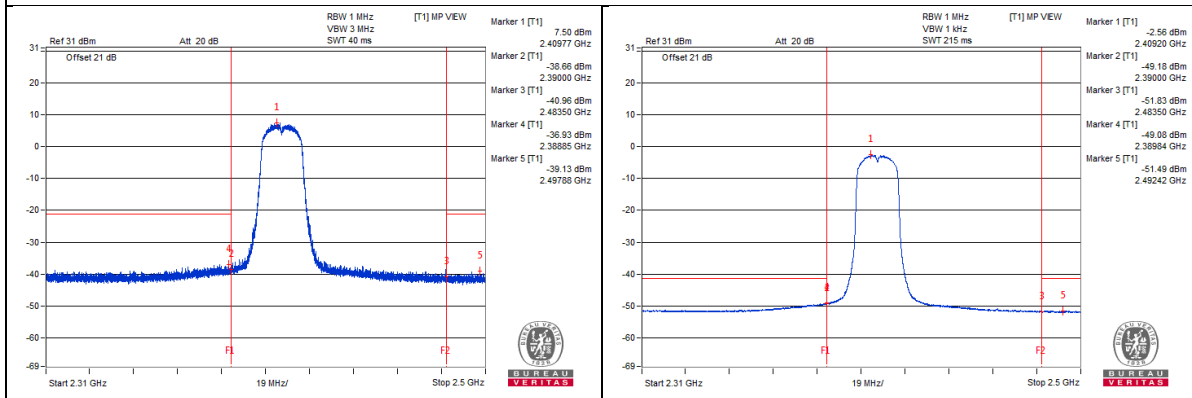
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

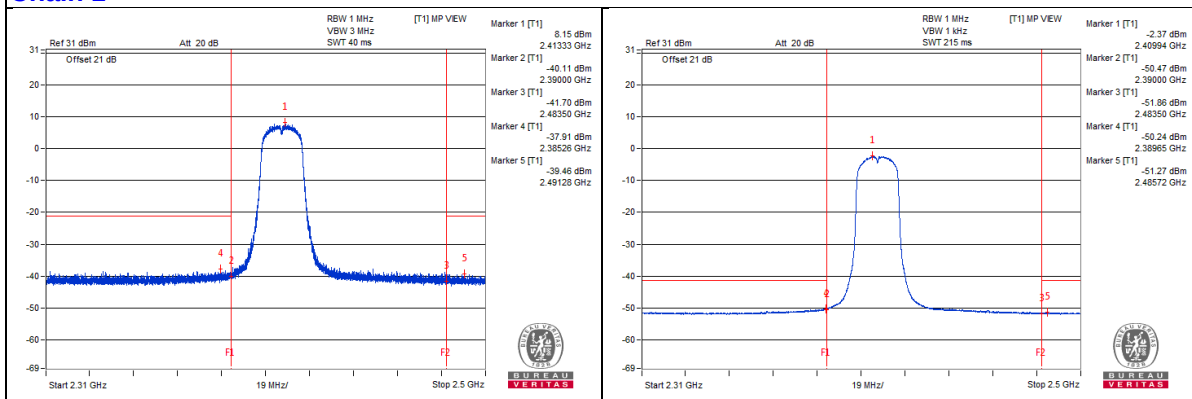
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT20 - Channel 2

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1609.37 PK	64.41	74	-9.59	-41.08	-42.84	8.01	-30.85
2	1610.93 AV	53.68	54	-0.32	-52.7	-52.5	8.01	-41.58
3	4837.5 PK	66.25	74	-7.75	-39.54	-40.59	8.01	-29.01
4	4831.25 AV	55.21	54	* 1.21	-51.21	-50.94	8.01	-40.05
5	7254.68 PK	67.73	74	-6.27	-38.31	-38.8	8.01	-27.53
6	7246.87 AV	56.79	54	* 2.79	-49.46	-49.52	8.01	-38.47

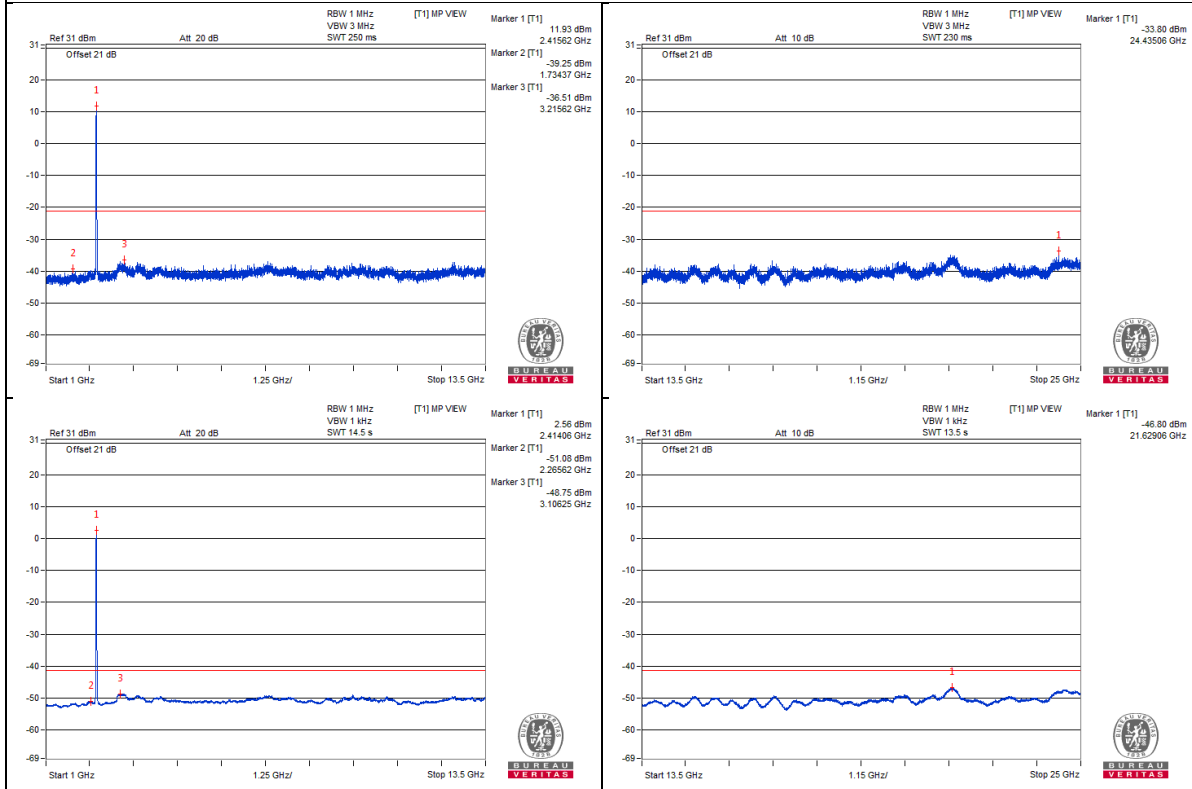
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

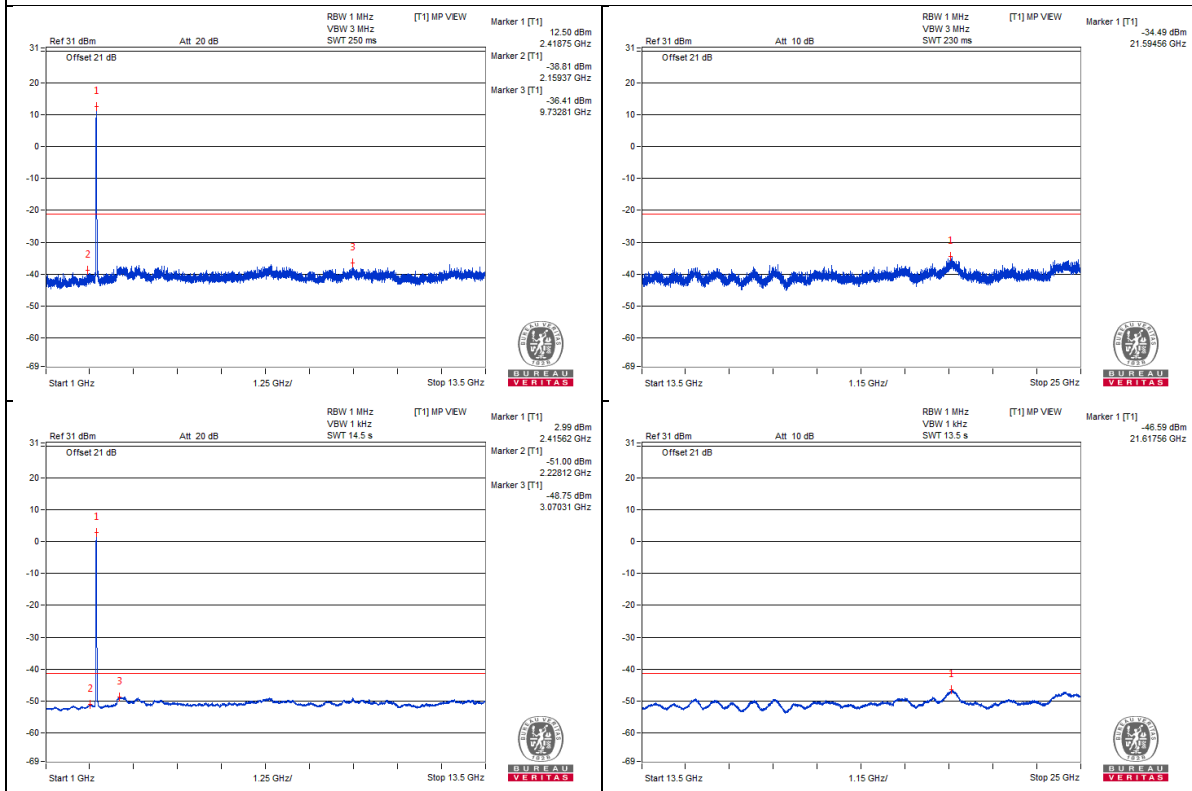
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2389.06 PK	68.52	74	-5.48	-37.37	-38.18	8.01	-26.74
2	2389.8 AV	56.83	54	* 2.83	-49.72	-49.19	8.01	-38.43
3	2488.07 PK	66.32	74	-7.68	-39.41	-40.6	8.01	-28.94
4	2484.61 AV	54.73	54	* 0.73	-51.46	-51.64	8.01	-40.53

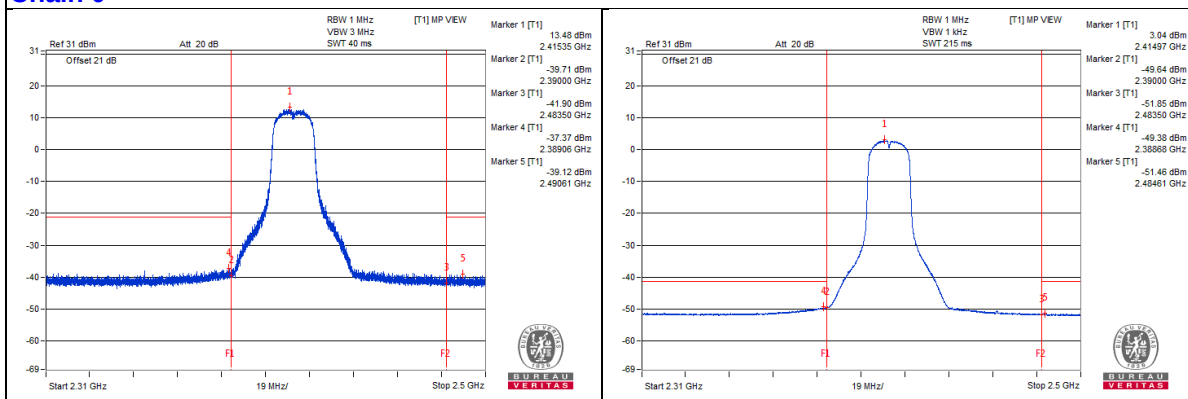
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

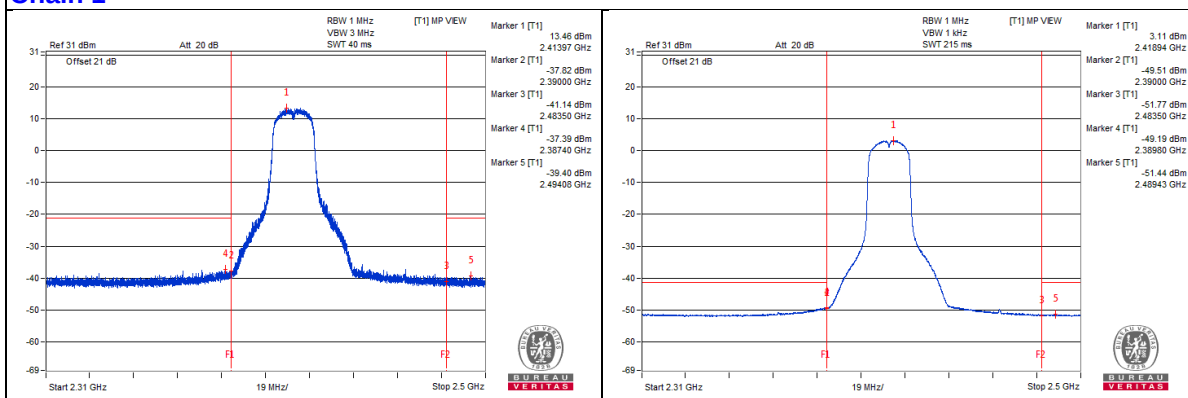
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT20 - Channel 6

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1626.56 PK	63.07	74	-10.93	-42.77	-43.69	8.01	-32.19
2	1625 AV	53.73	54	-0.27	-52.42	-52.69	8.01	-41.53
3	4873.43 PK	65.99	74	-8.01	-39.87	-40.76	8.01	-29.27
4	4878.12 AV	55.22	54	* 1.22	-51.1	-51.03	8.01	-40.04
5	7310.93 PK	67.89	74	-6.11	-39.55	-37.47	8.01	-27.37
6	7315.62 AV	56.65	54	* 2.65	-49.54	-49.73	8.01	-38.61

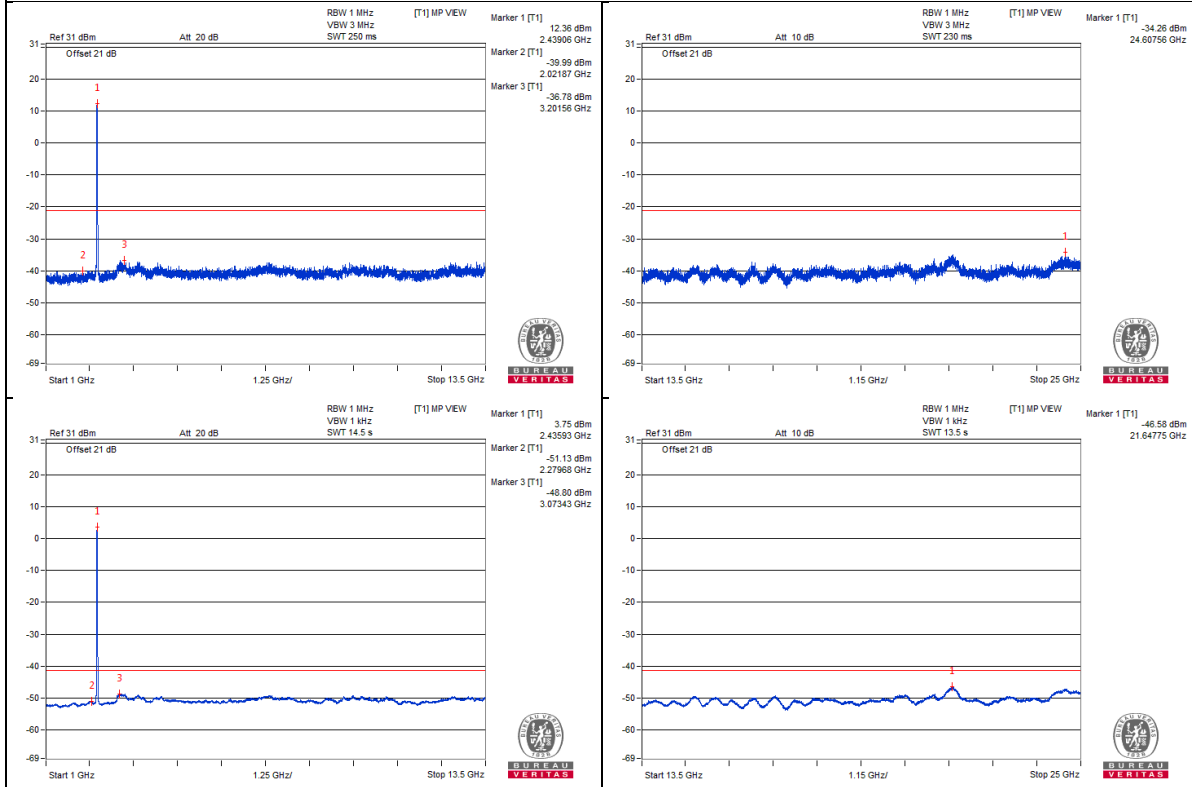
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

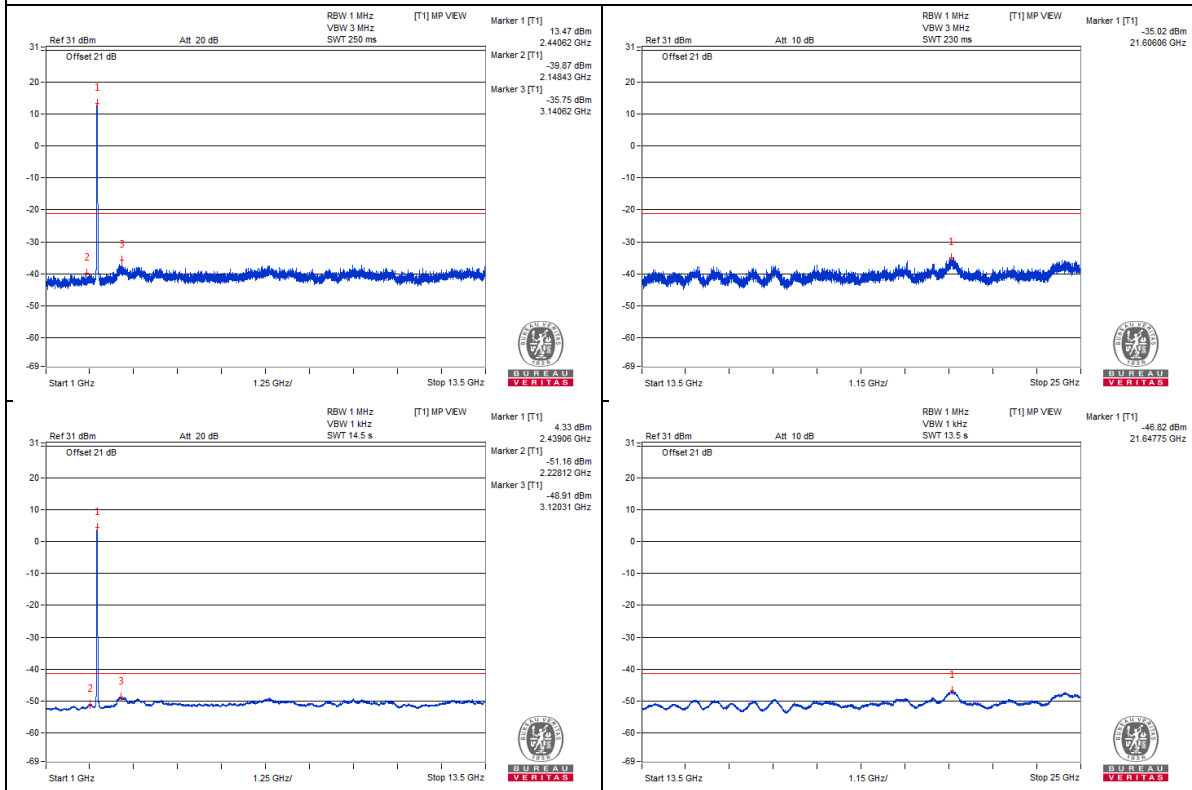
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2387.09 PK	66.64	74	-7.36	-40.32	-39.06	8.01	-28.62
2	2388.94 AV	55.21	54	* 1.21	-51.37	-50.79	8.01	-40.05
3	2489.33 PK	66.66	74	-7.34	-40.84	-38.67	8.01	-28.6
4	2484.91 AV	55.58	54	* 1.58	-51.34	-50.14	8.01	-39.68

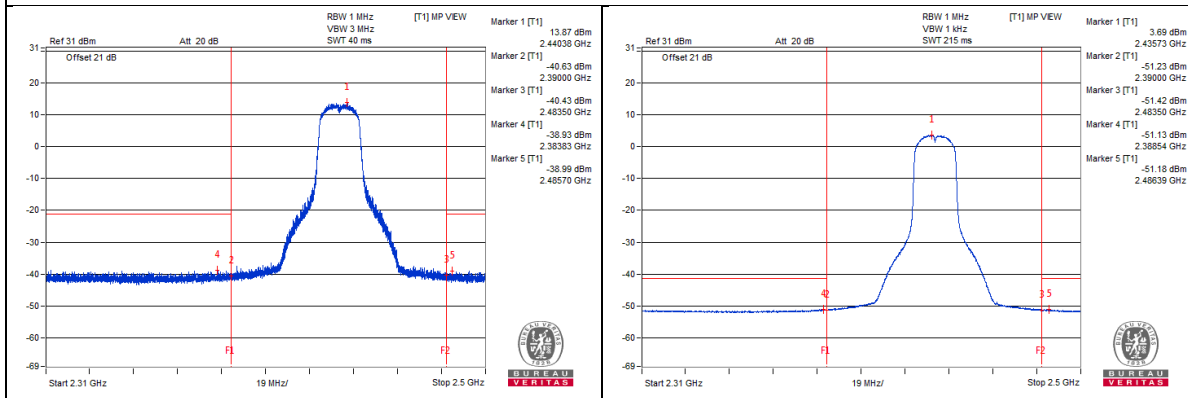
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

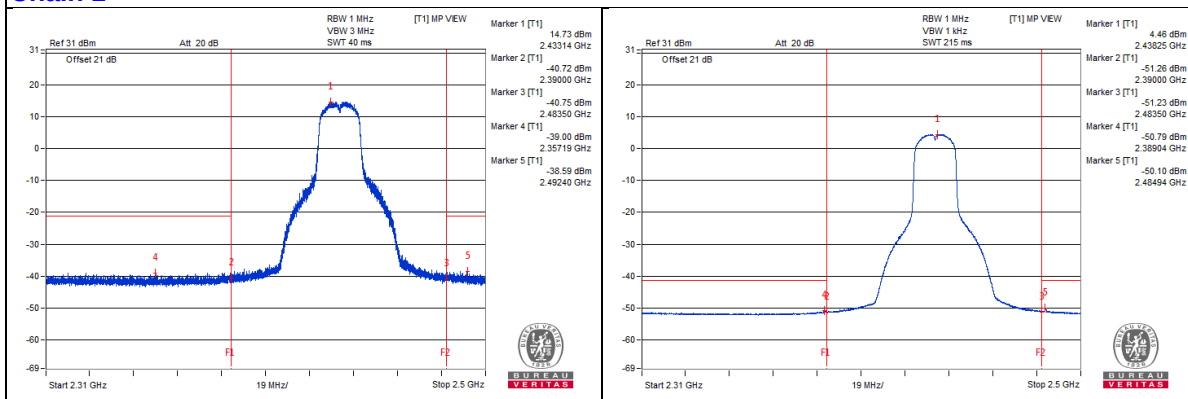
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT20 - Channel 10

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4910.93 PK	66.36	74	-7.64	-39.89	-39.95	8.01	-28.9
2	4914.06 AV	55.01	54	* 1.01	-51.24	-51.31	8.01	-40.25
3	7375 PK	68.48	74	-5.52	-38.27	-37.37	8.01	-26.78
4	7373.43 AV	56.94	54	* 2.94	-49.22	-49.47	8.01	-38.32

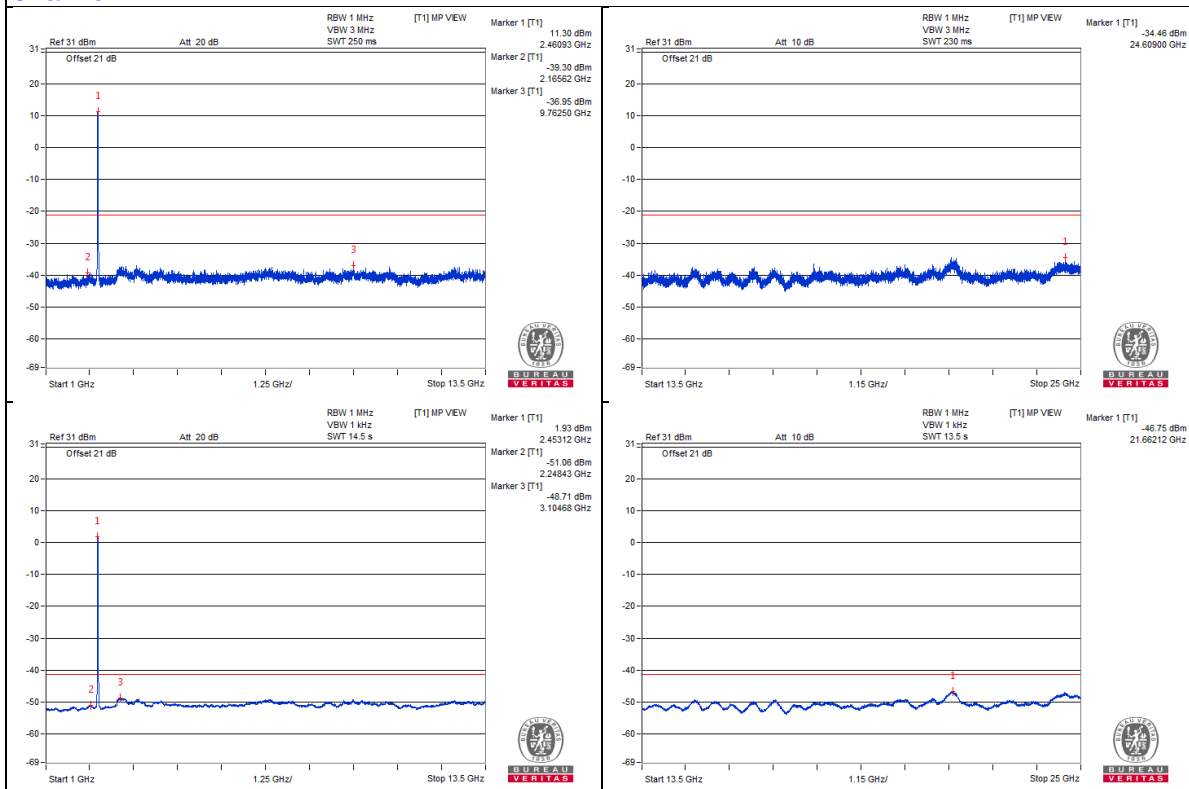
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

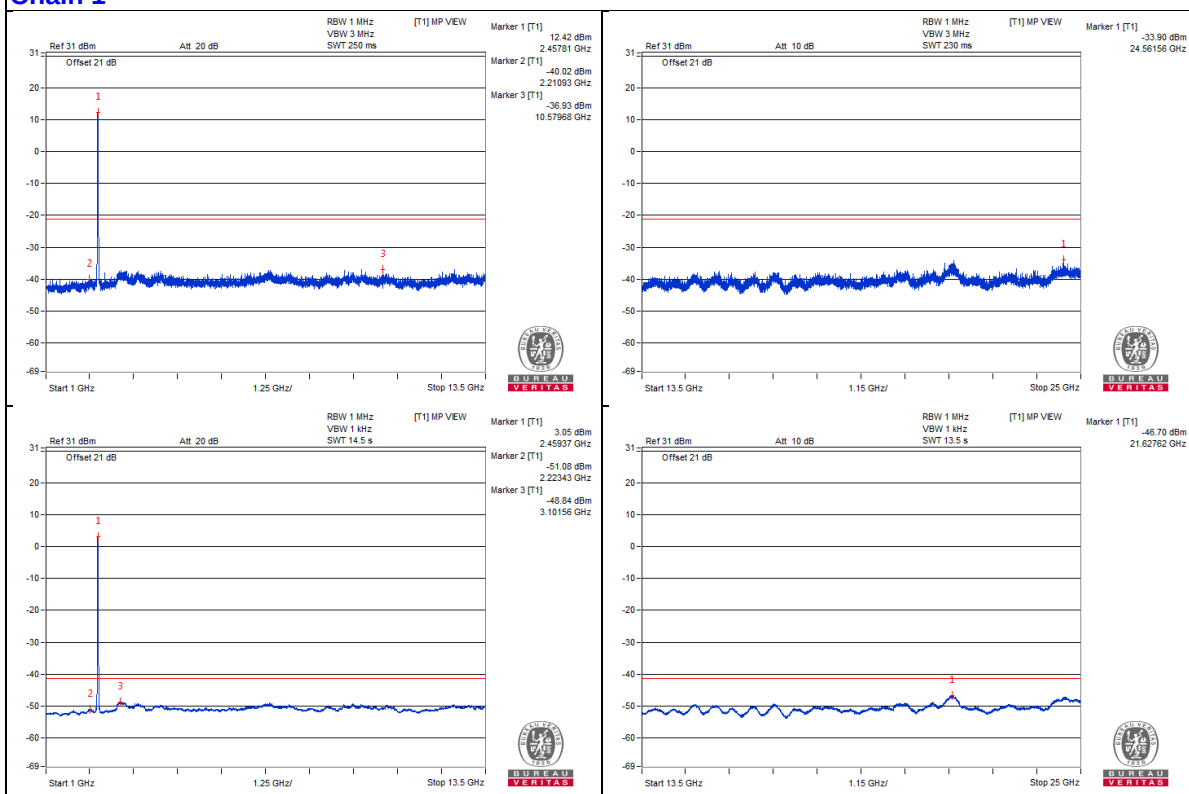
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

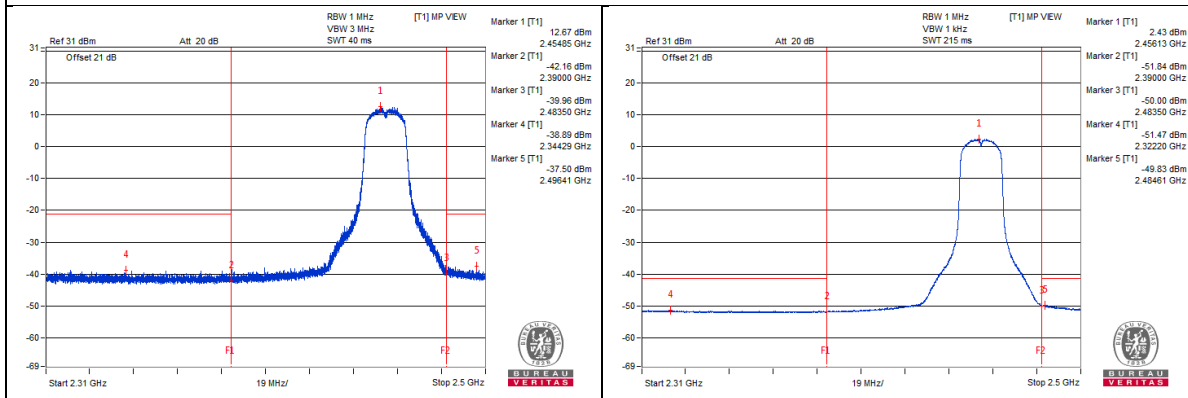
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2331.7 PK	66.56	74	-7.44	-39.53	-39.92	8.01	-28.7
2	2312.92 AV	54.8	54	* 0.8	-51.55	-51.41	8.01	-40.46
3	2483.92 PK	68.43	74	-5.57	-38.2	-37.52	8.01	-26.83
4	2483.51 AV	56.73	54	* 2.73	-49.97	-49.16	8.01	-38.53

Note :

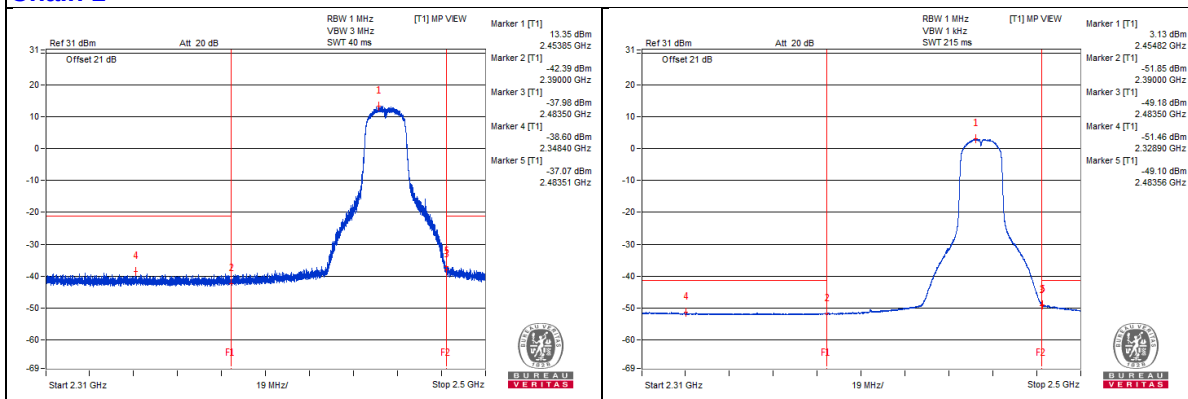
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT20 - Channel 11

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4925 PK	65.28	74	-8.72	-40.84	-41.17	8.01	-29.98
2	4928.12 AV	55.05	54	* 1.05	-51.27	-51.19	8.01	-40.21
3	7390.62 PK	68.11	74	-5.89	-38.63	-37.75	8.01	-27.15
4	7382.81 AV	56.76	54	* 2.76	-49.49	-49.56	8.01	-38.5

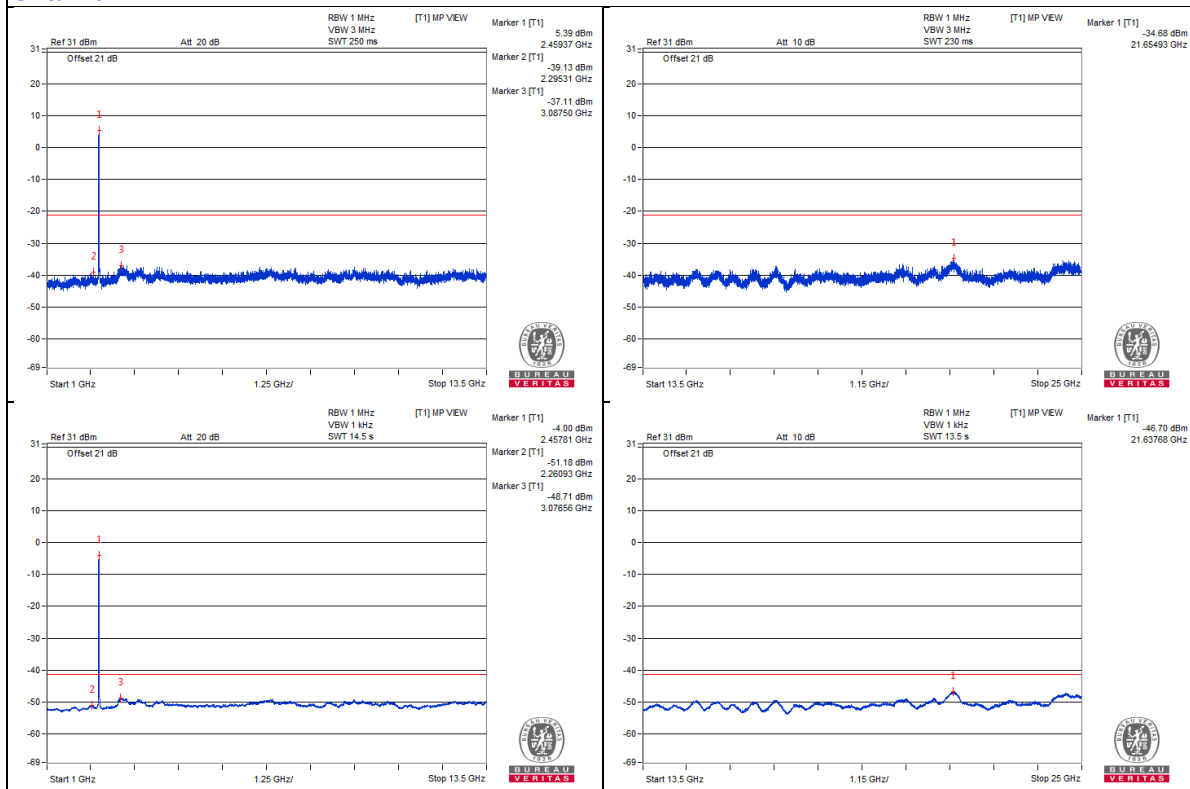
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

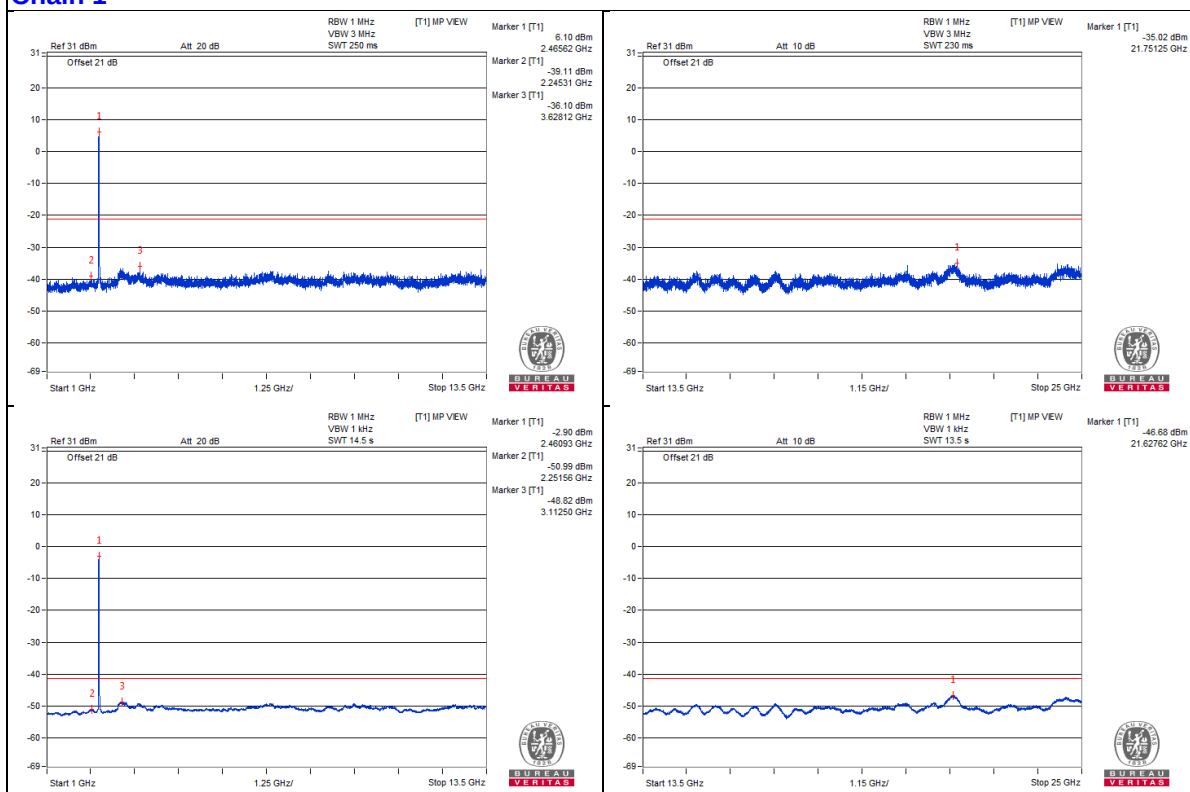
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

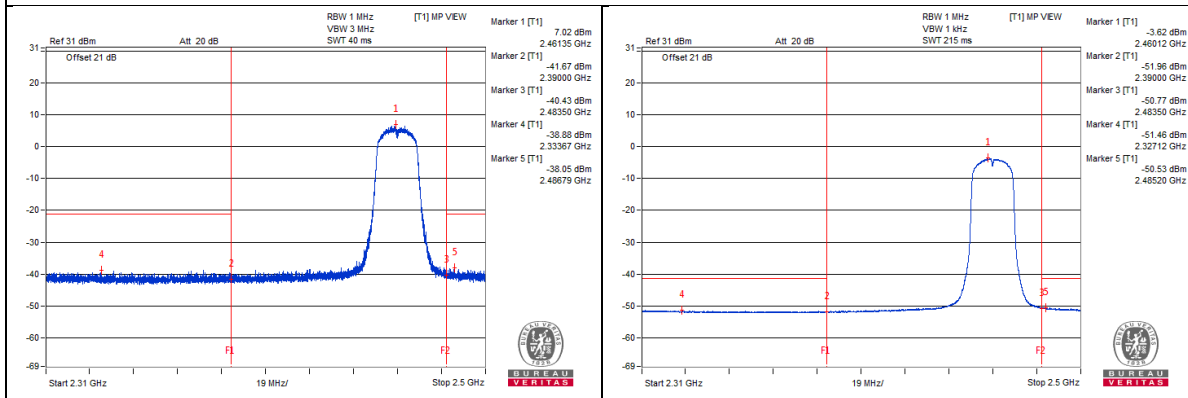
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2375.14 PK	66.55	74	-7.45	-39.59	-39.88	8.01	-28.71
2	2311.06 AV	54.73	54	* 0.73	-51.46	-51.64	8.01	-40.53
3	2484.2 PK	67.66	74	-6.34	-38.88	-38.37	8.01	-27.6
4	2483.63 AV	56.05	54	* 2.05	-50.75	-49.77	8.01	-39.21

Note :

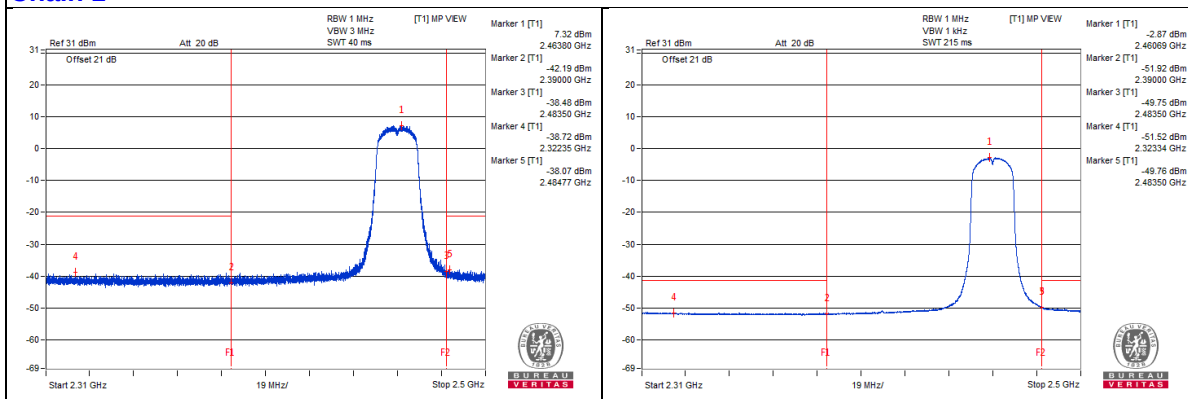
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT20 - Channel 12

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4931.25 PK	65.68	74	-8.32	-40.77	-40.44	8.01	-29.58
2	4935.93 AV	55.03	54	* 1.03	-51.17	-51.33	8.01	-40.23
3	7396.87 PK	67.1	74	-6.9	-39.44	-38.93	8.01	-28.16
4	7396.87 AV	56.52	54	* 2.52	-49.66	-49.87	8.01	-38.74

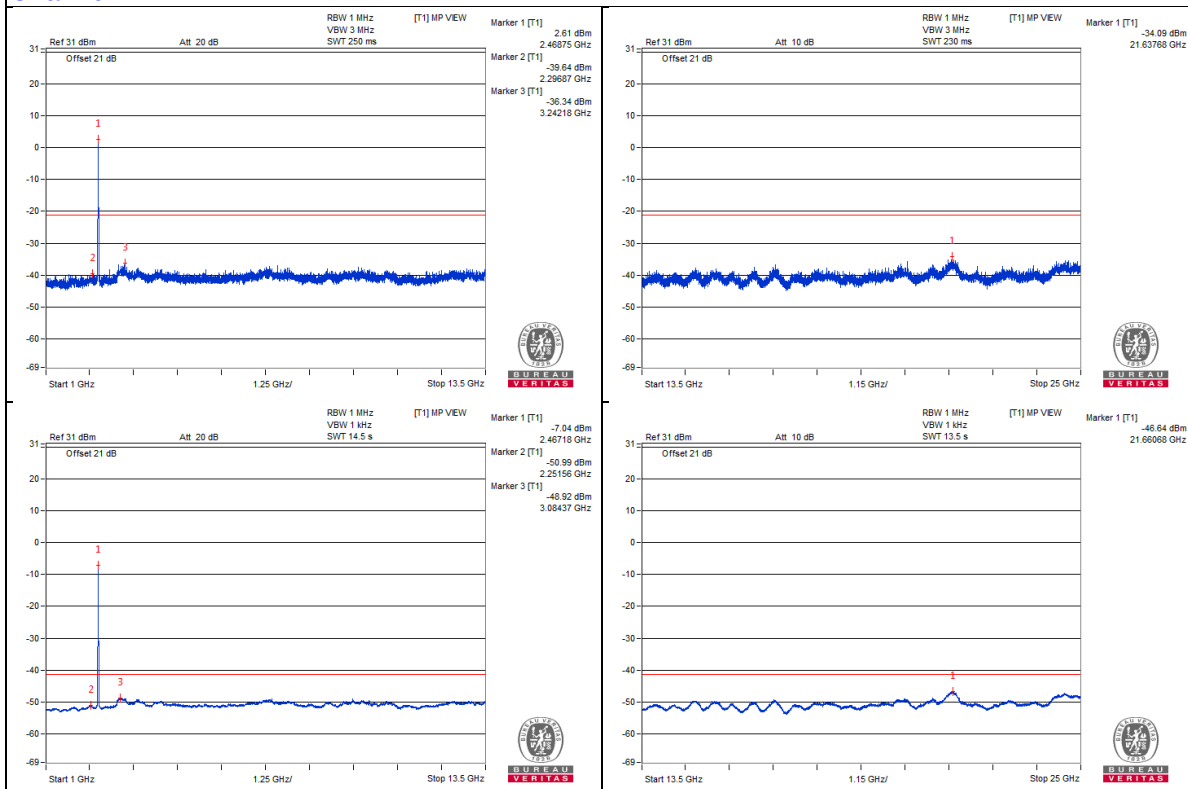
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

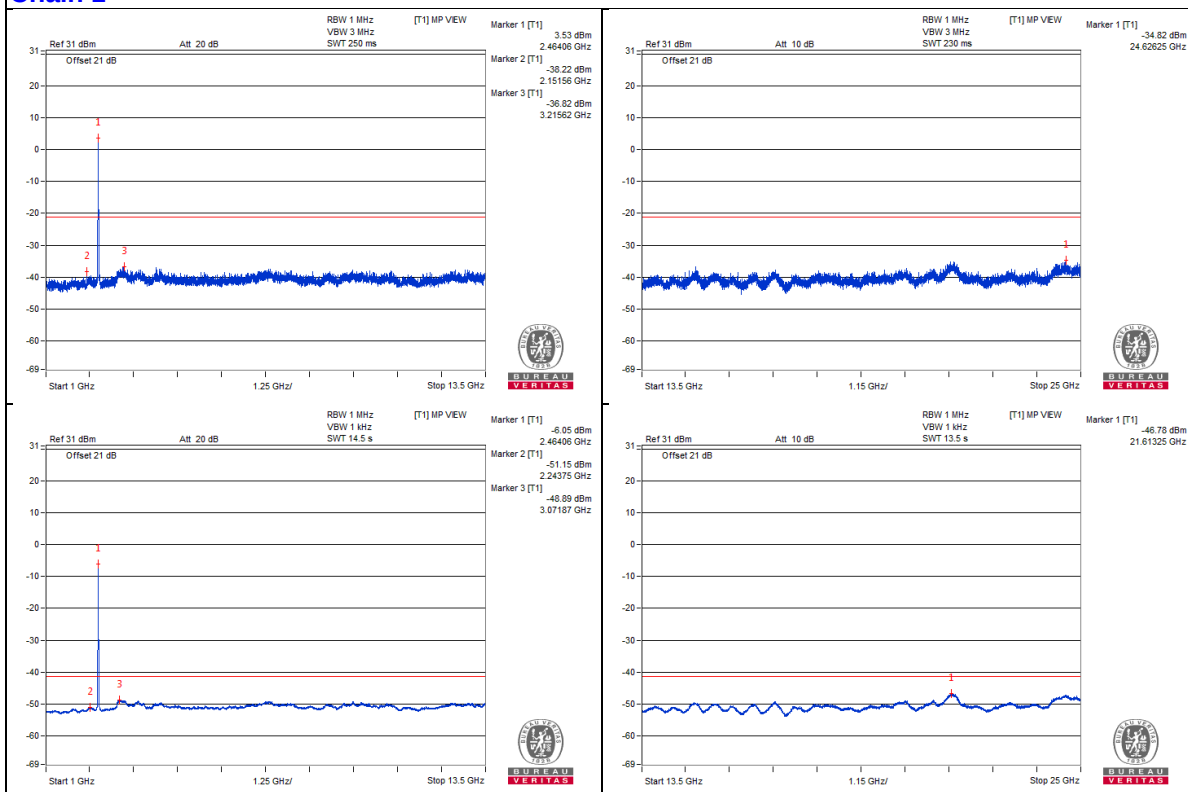
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2335.46 PK	66.56	74	-7.44	-40.44	-39.11	8.01	-28.7
2	2311.75 AV	54.77	54	* 0.77	-51.6	-51.43	8.01	-40.49
3	2484.75 PK	67.61	74	-6.39	-40.61	-37.34	8.01	-27.65
4	2484.23 AV	56.14	54	* 2.14	-50.58	-49.75	8.01	-39.12

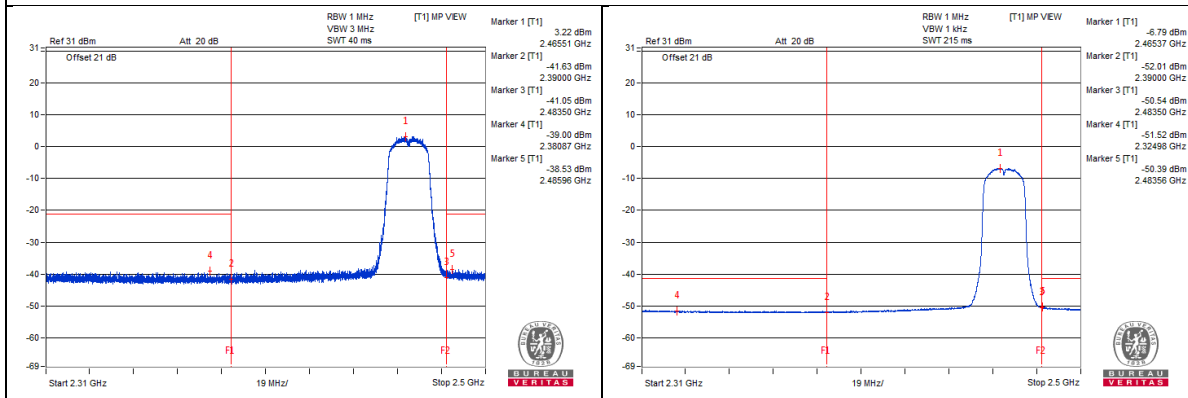
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

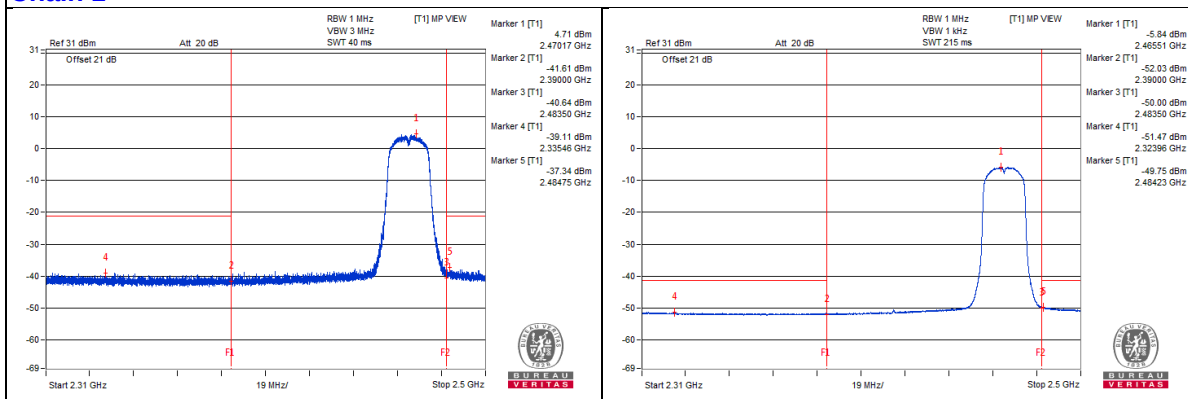
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT20 - Channel 13

Conducted spurious emission table

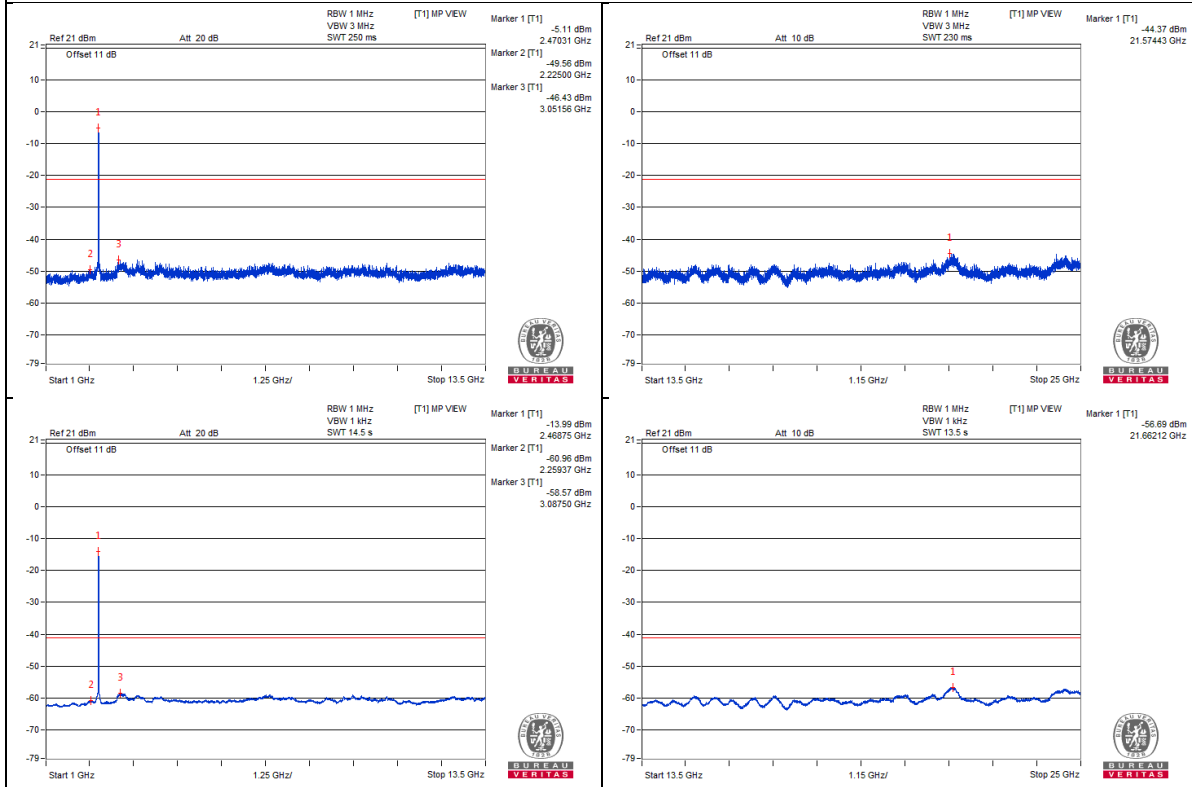
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4943.75 PK	55.79	74	-18.21	-50.08	-50.95	8.01	-39.47
2	4939.06 AV	45.11	54	-8.89	-61.16	-61.19	8.01	-50.15
3	7414.06 PK	57.51	74	-16.49	-49.14	-48.43	8.01	-37.75
4	7418.75 AV	46.78	54	-7.22	-59.41	-59.6	8.01	-48.48

Note :

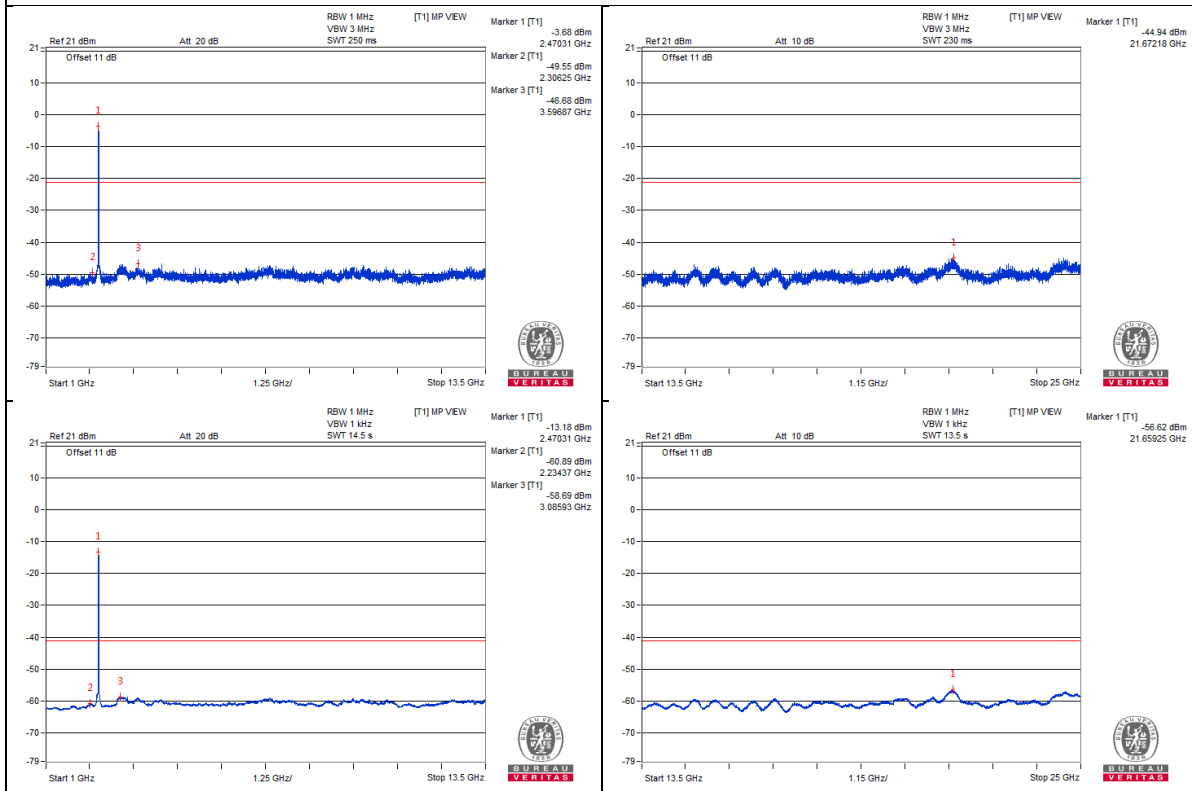
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2379.27 PK	57.05	74	-16.95	-49.23	-49.24	8.01	-38.21
2	2384.97 AV	45.78	54	-8.22	-60.27	-60.74	8.01	-49.48
3	2483.51 PK	70.81	74	-3.19	-36.14	-34.89	8.01	-24.45
4	2483.51 AV	56.54	54	* 2.54	-50.02	-49.47	8.01	-38.72

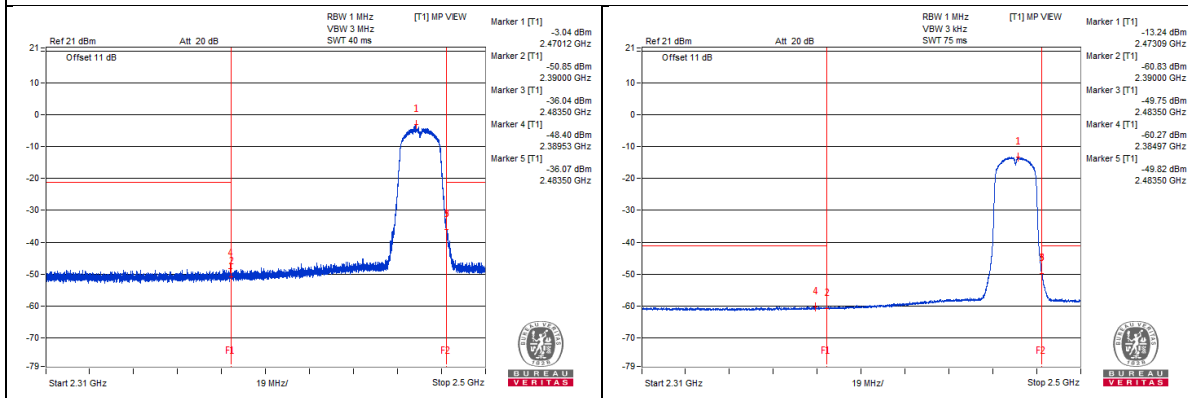
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

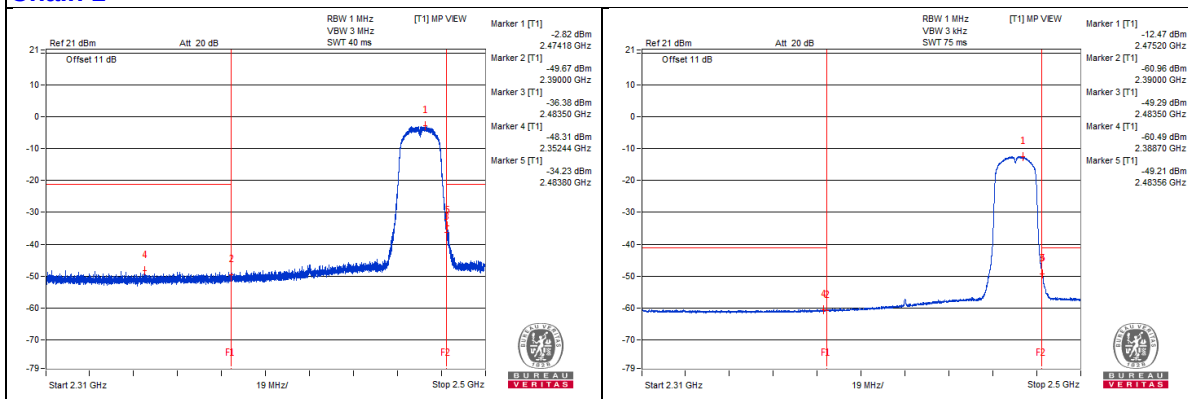
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT40 - Channel 3

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1614.06 PK	64.99	74	-9.01	-44.11	-39.6	8.01	-33.28
2	1614.06 AV	53.68	54	-0.32	-52.59	-52.62	8.01	-44.59
3	4842.18 PK	65.67	74	-8.33	-40.22	-41.04	8.01	-32.6
4	4839.06 AV	55.21	54	* 1.21	-51.01	-51.13	8.01	-43.06
5	7268.75 PK	67.66	74	-6.34	-38.04	-39.29	8.01	-30.61
6	7262.5 AV	56.66	54	* 2.66	-49.65	-49.6	8.01	-41.61

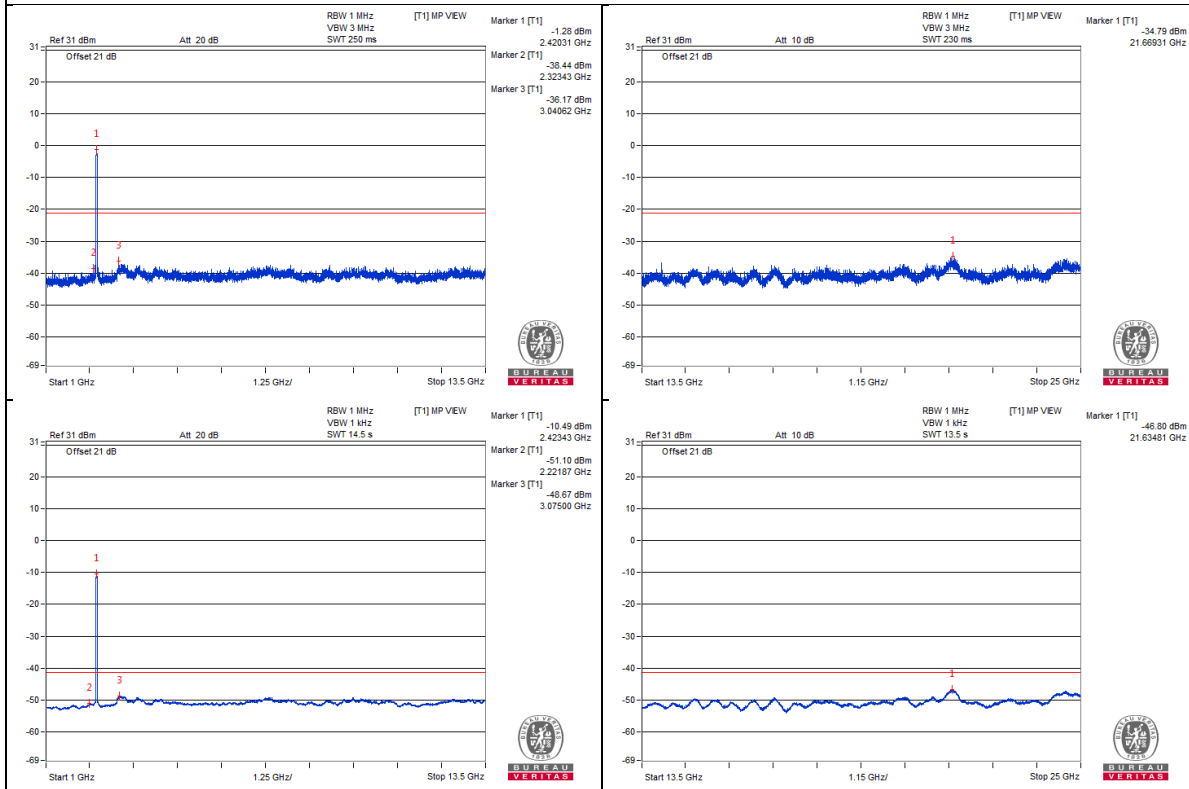
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

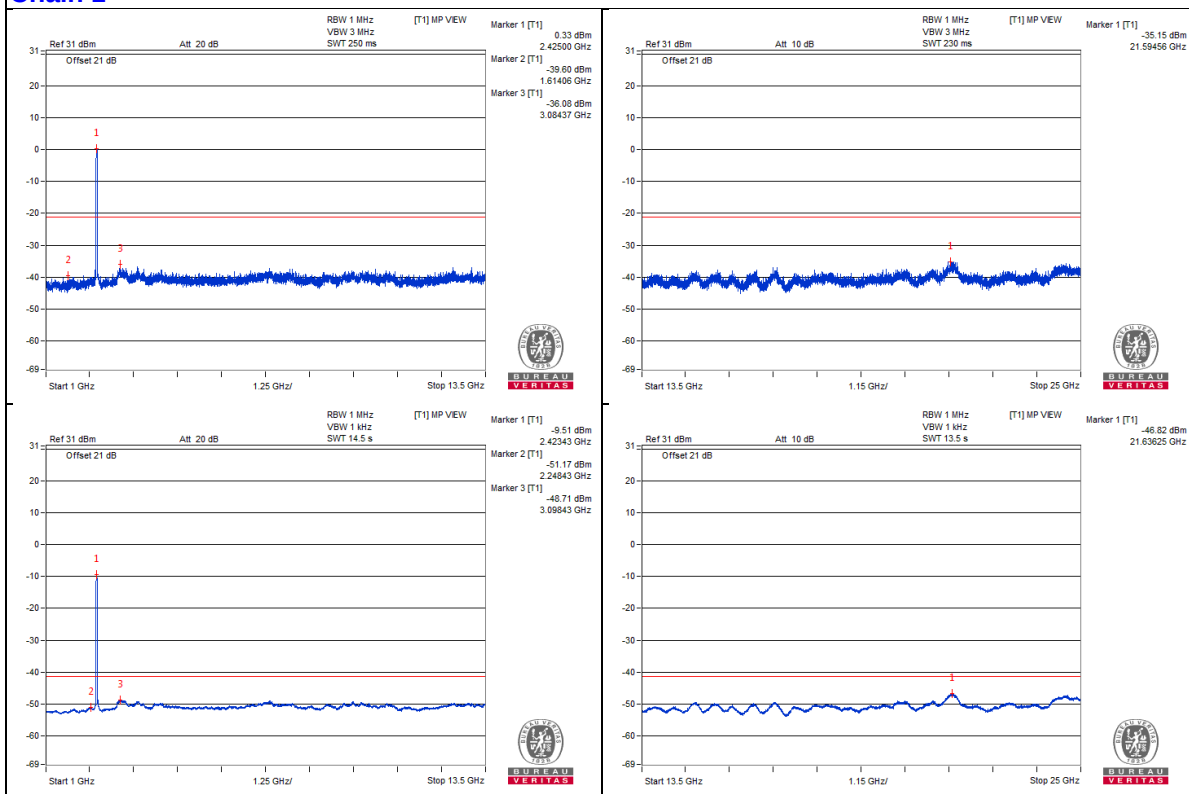
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

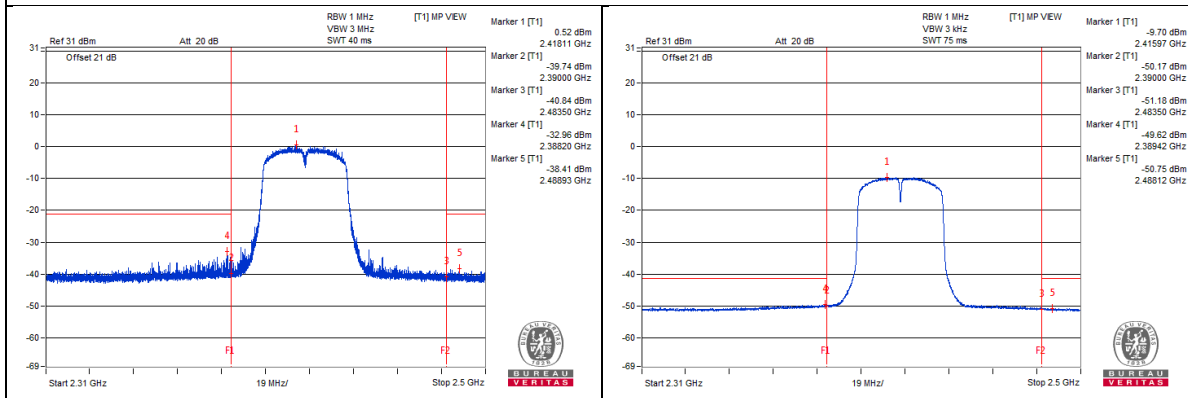
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2388.49 PK	71.49	74	-2.51	-34.15	-35.53	8.01	-23.77
2	2386.49 AV	56.45	54	* 2.45	-50.21	-49.49	8.01	-38.81
3	2486.01 PK	67.19	74	-6.81	-38.89	-39.31	8.01	-28.07
4	2484.39 AV	55.72	54	* 1.72	-51	-50.17	8.01	-39.54

Note :

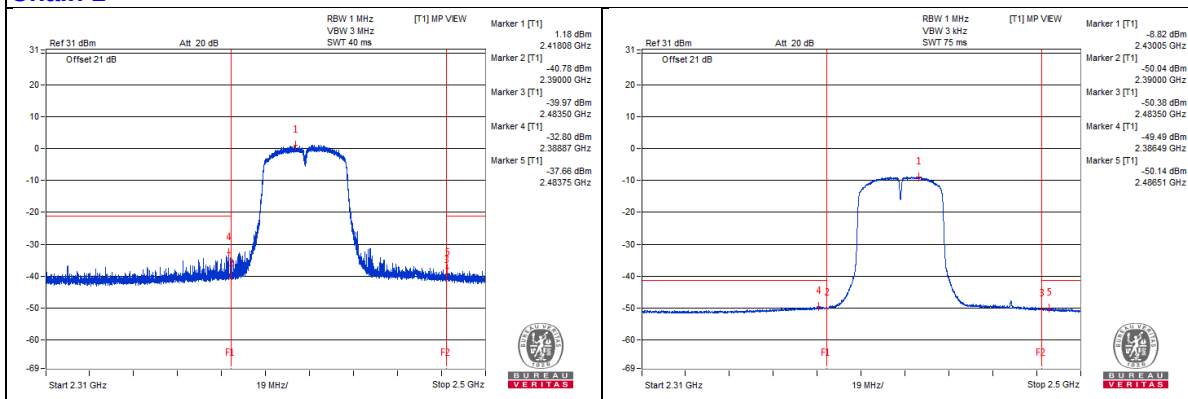
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT40 - Channel 4

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1617.18 PK	63.64	74	-10.36	-41.83	-43.64	8.01	-31.62
2	1618.75 AV	53.61	54	-0.39	-52.69	-52.66	8.01	-41.65
3	4853.12 PK	65.43	74	-8.57	-41.12	-40.59	8.01	-29.83
4	4857.81 AV	55.03	54	* 1.03	-51.3	-51.2	8.01	-40.23
5	7284.37 PK	67.46	74	-6.54	-39.24	-38.43	8.01	-27.8
6	7285.93 AV	56.69	54	* 2.69	-49.59	-49.59	8.01	-38.57

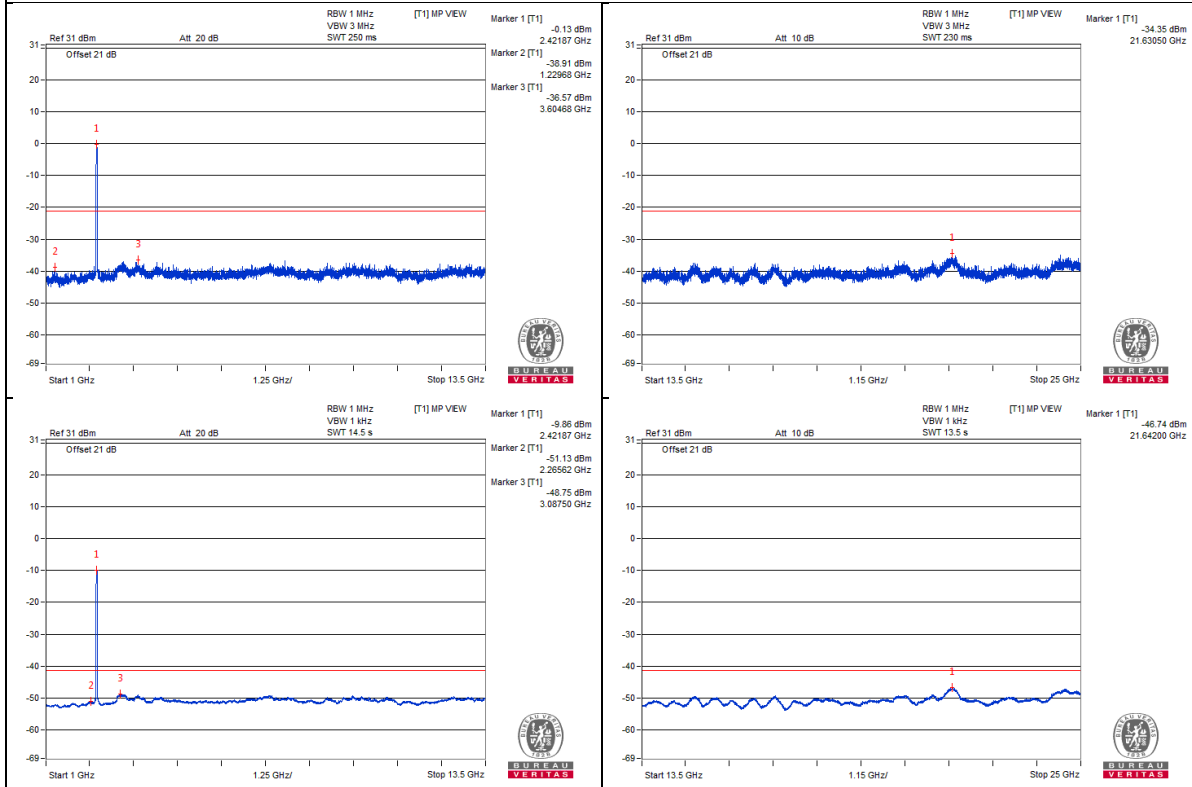
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

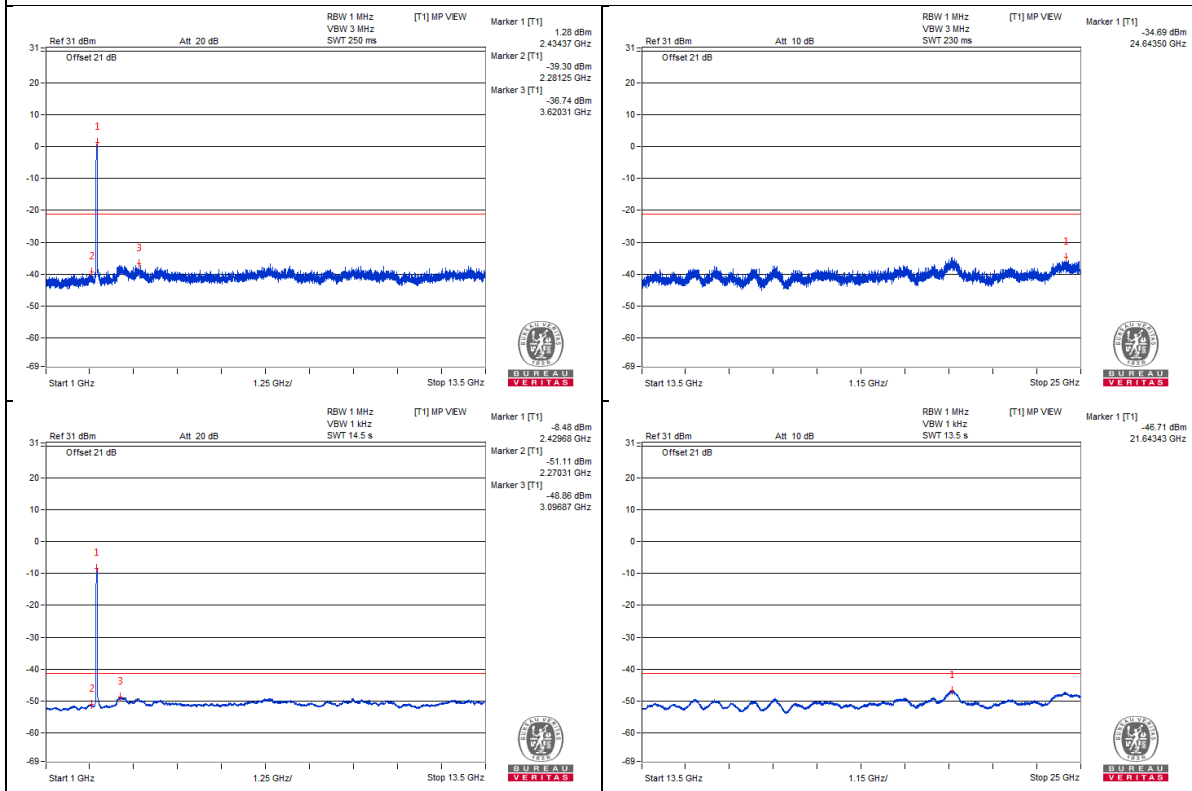
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Bandedge table

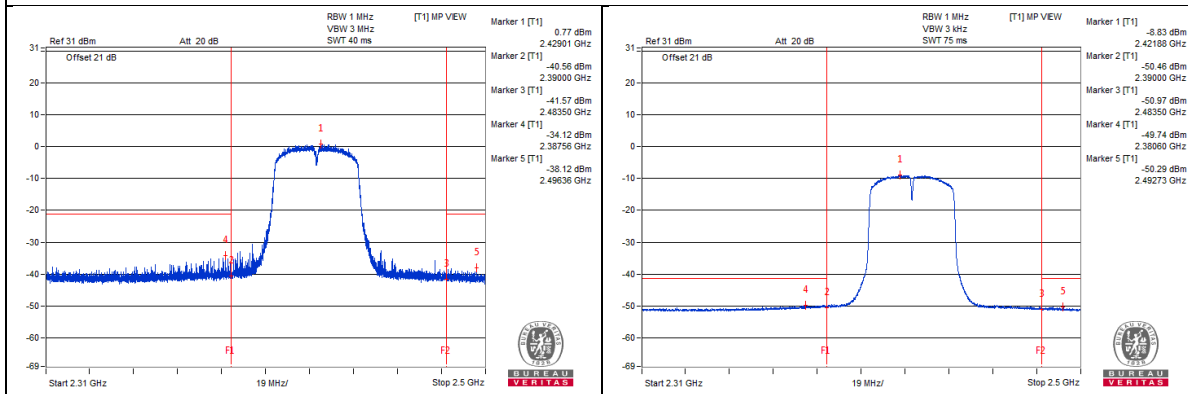
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2387.56 PK	70.28	74	-3.72	-34.12	-39.38	8.01	-24.98
2	2389.04 AV	56.46	54	* 2.46	-49.82	-49.82	8.01	-38.8
3	2489.12 PK	67.55	74	-6.45	-40.74	-37.36	8.01	-27.71
4	2486.13 AV	55.99	54	* 1.99	-50.71	-49.91	8.01	-39.27

Note :

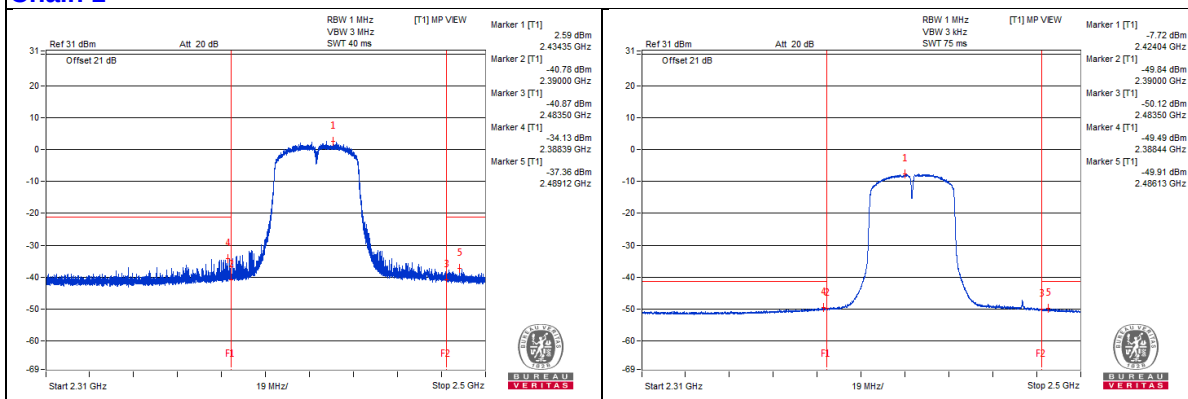
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT40 - Channel 6

Conducted spurious emission table

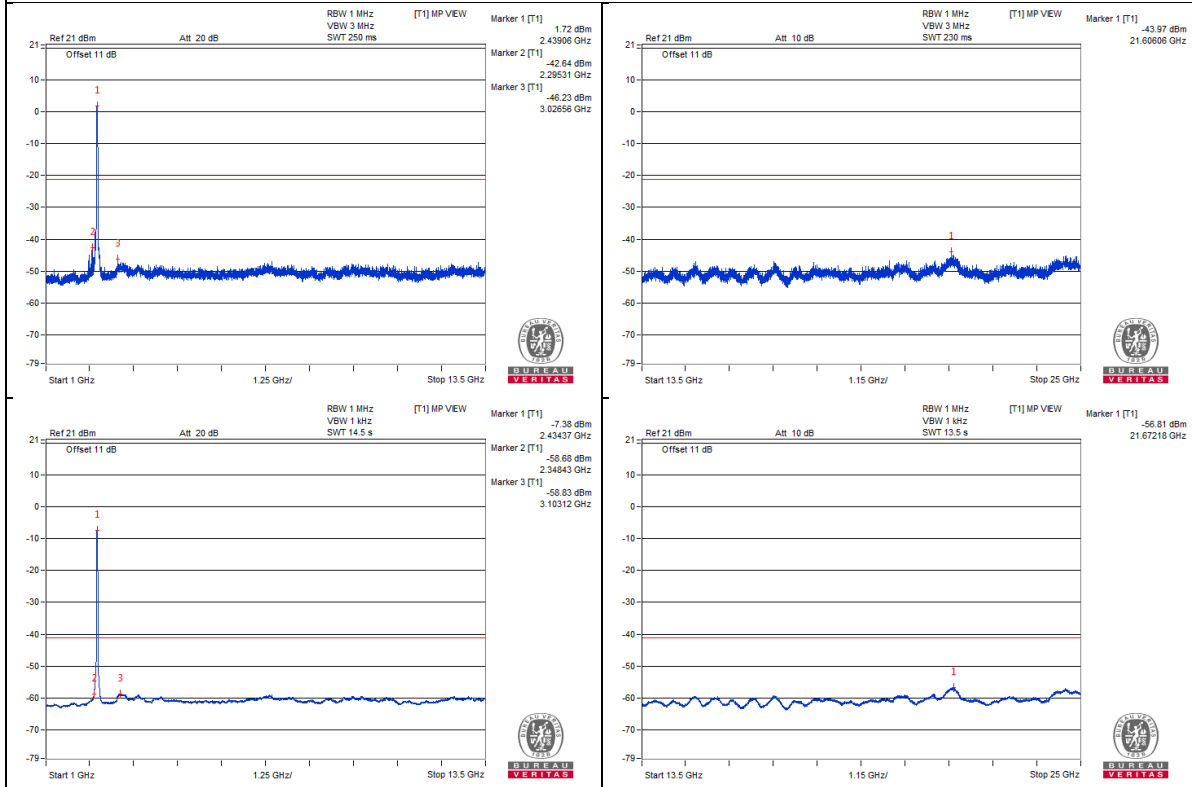
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1623.43 PK	53.37	74	-20.63	-52.97	-52.85	8.01	-41.89
2	1626.56 AV	43.77	54	-10.23	-62.56	-62.47	8.01	-51.49
3	4876.56 PK	55.31	74	-18.69	-50.78	-51.16	8.01	-39.95
4	4875 AV	45.18	54	-8.82	-61.07	-61.13	8.01	-50.08
5	7312.5 PK	57.71	74	-16.29	-47.46	-50.07	8.01	-37.55
6	7307.81 AV	46.56	54	-7.44	-59.76	-59.69	8.01	-48.7

Note :

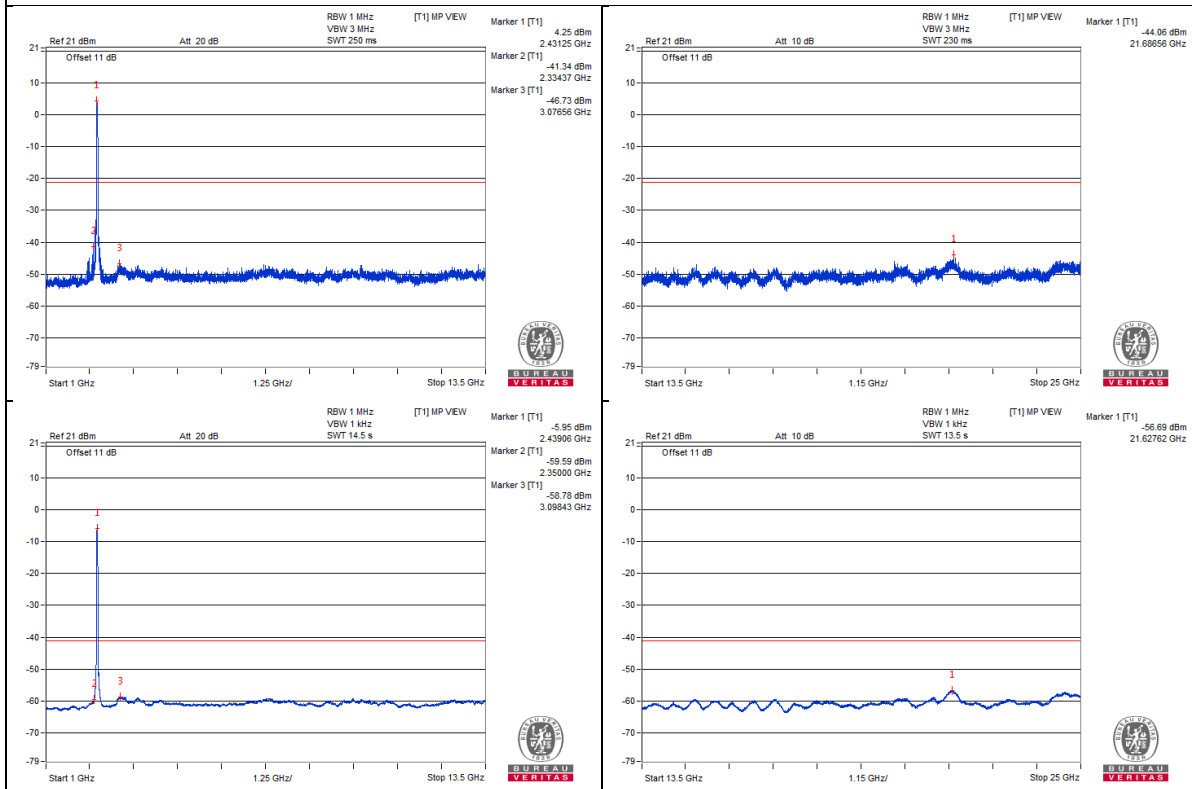
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2385.69 PK	70.88	74	-3.12	-34.9	-35.96	8.01	-24.38
2	2389.84 AV	53.19	54	-0.81	-52.26	-54.12	8.01	-42.07
3	2488.52 PK	68.31	74	-5.69	-40.22	-36.5	8.01	-26.95
4	2485.03 AV	54.99	54	* 0.99	-53.38	-49.89	8.01	-40.27

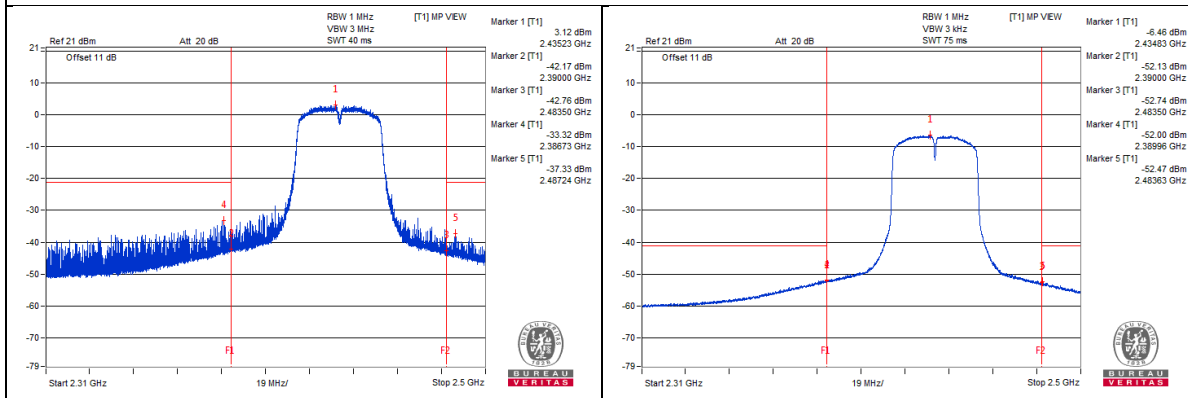
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

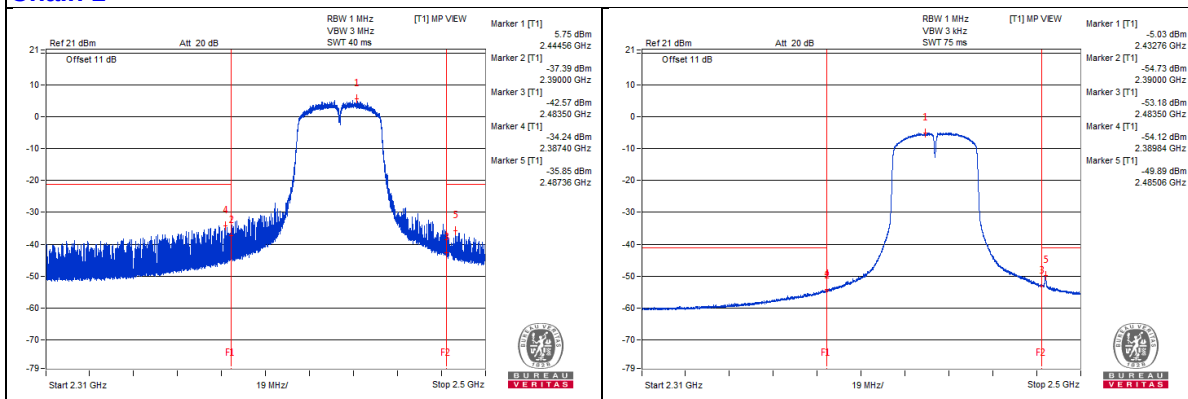
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT40 - Channel 8

Conducted spurious emission table

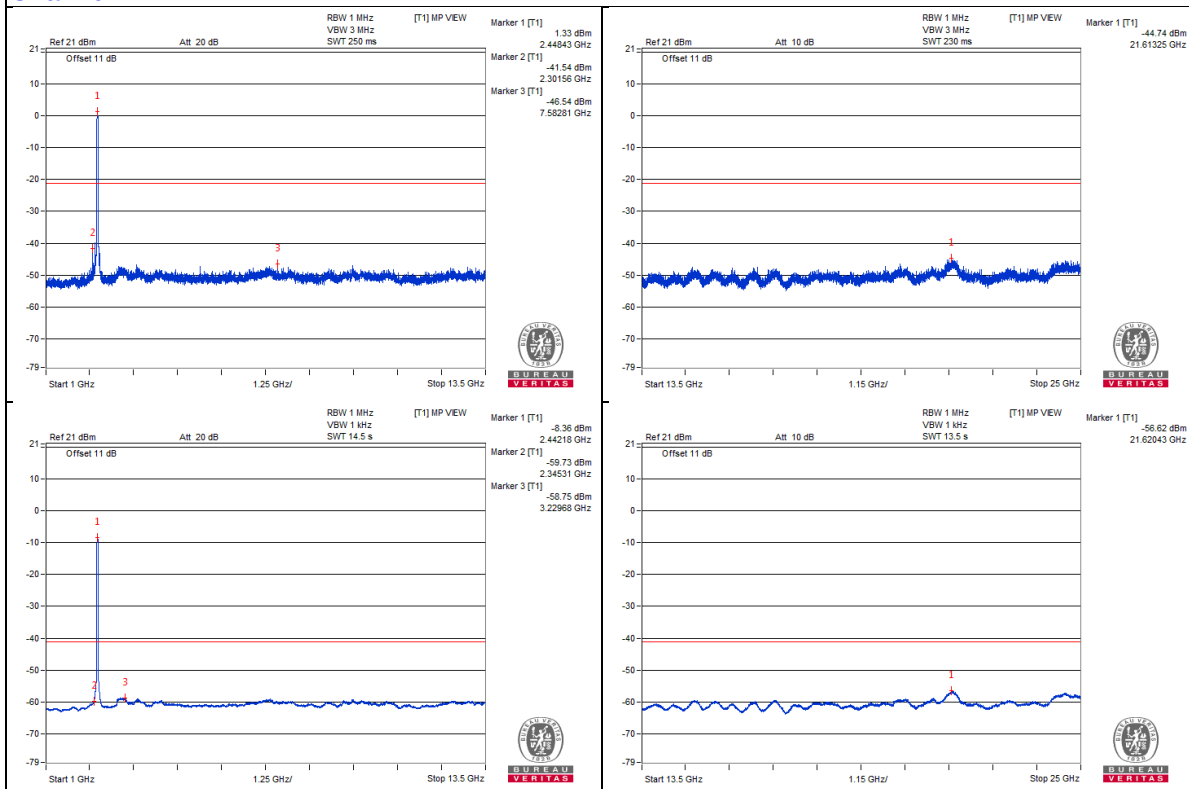
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3264.06 PK	57.33	74	-16.67	-48.98	-48.93	8.01	-37.93
2	3262.5 AV	46.91	54	-7.09	-59.72	-59.04	8.01	-48.35
3	4893.75 PK	56.24	74	-17.76	-49.86	-50.23	8.01	-39.02
4	4889.06 AV	45.19	54	-8.81	-61.2	-60.98	8.01	-50.07
5	7340.62 PK	58.16	74	-15.84	-49.27	-47.22	8.01	-37.1
6	7337.5 AV	46.85	54	-7.15	-59.41	-59.45	8.01	-48.41

Note :

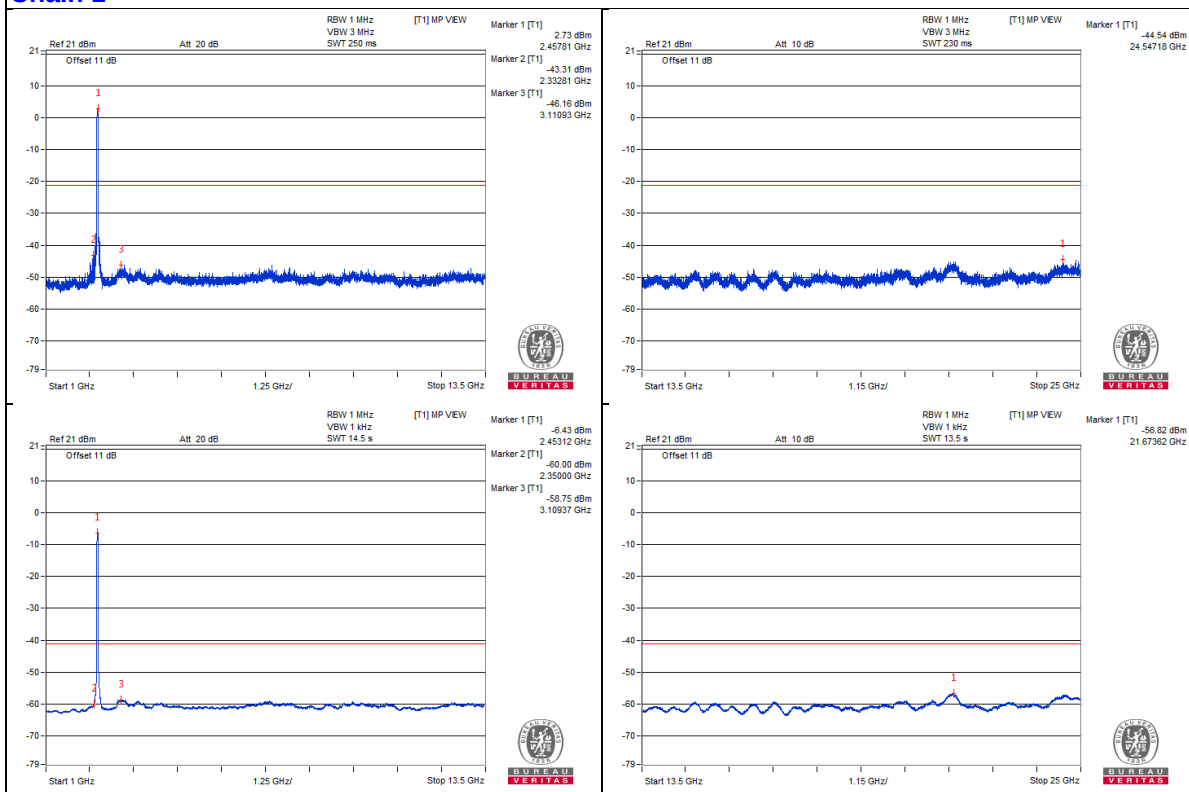
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2385.14 PK	69.06	74	-4.94	-38.71	-36.11	8.01	-26.2
2	2389.58 AV	50.57	54	-3.43	-55.34	-56.12	8.01	-44.69
3	2486.89 PK	70.81	74	-3.19	-44.69	-32.73	8.01	-24.45
4	2495.1 AV	54.34	54	* 0.34	-55.58	-49.99	8.01	-40.92

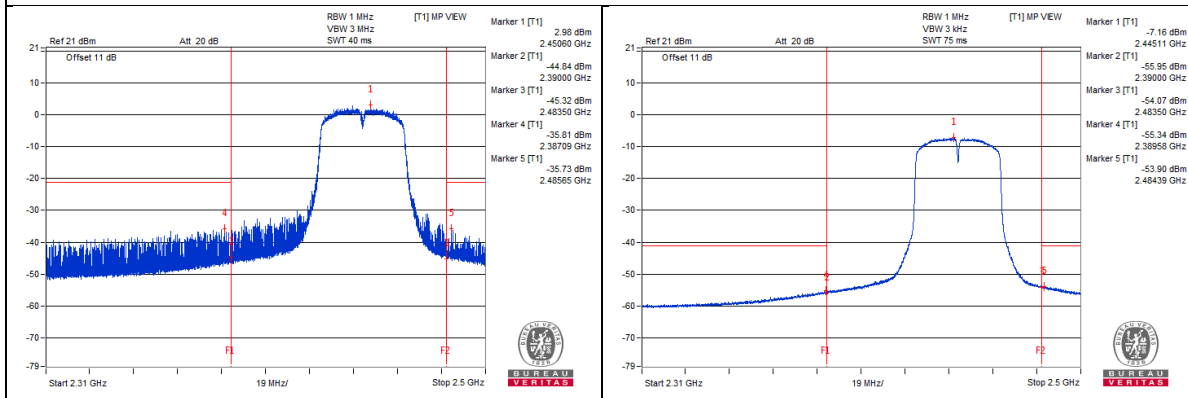
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

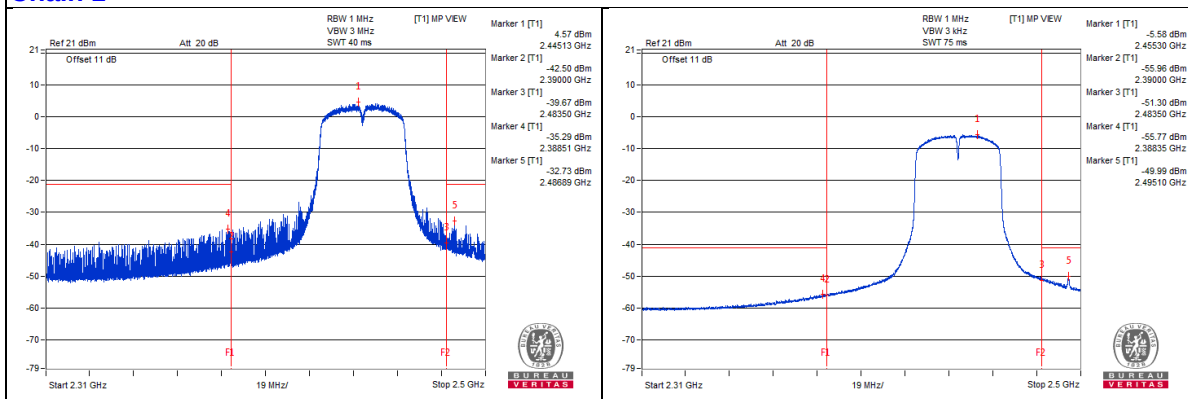
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT40 - Channel 9

Conducted spurious emission table

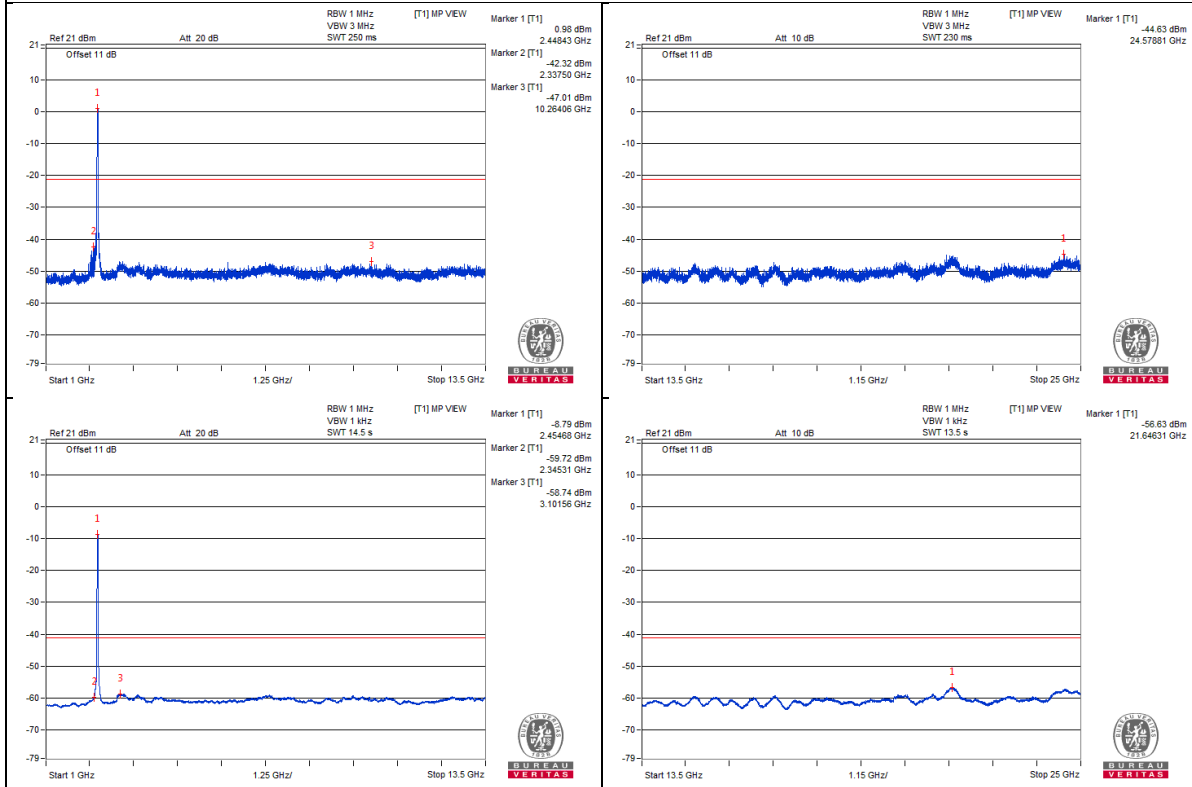
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4901.56 PK	55.97	74	-18.03	-50.36	-50.27	8.01	-39.29
2	4903.12 AV	45.28	54	-8.72	-61.28	-60.74	8.01	-49.98
3	7360.93 PK	59.11	74	-14.89	-47.86	-46.57	8.01	-36.15
4	7359.37 AV	47.09	54	-6.91	-59.05	-59.33	8.01	-48.17

Note :

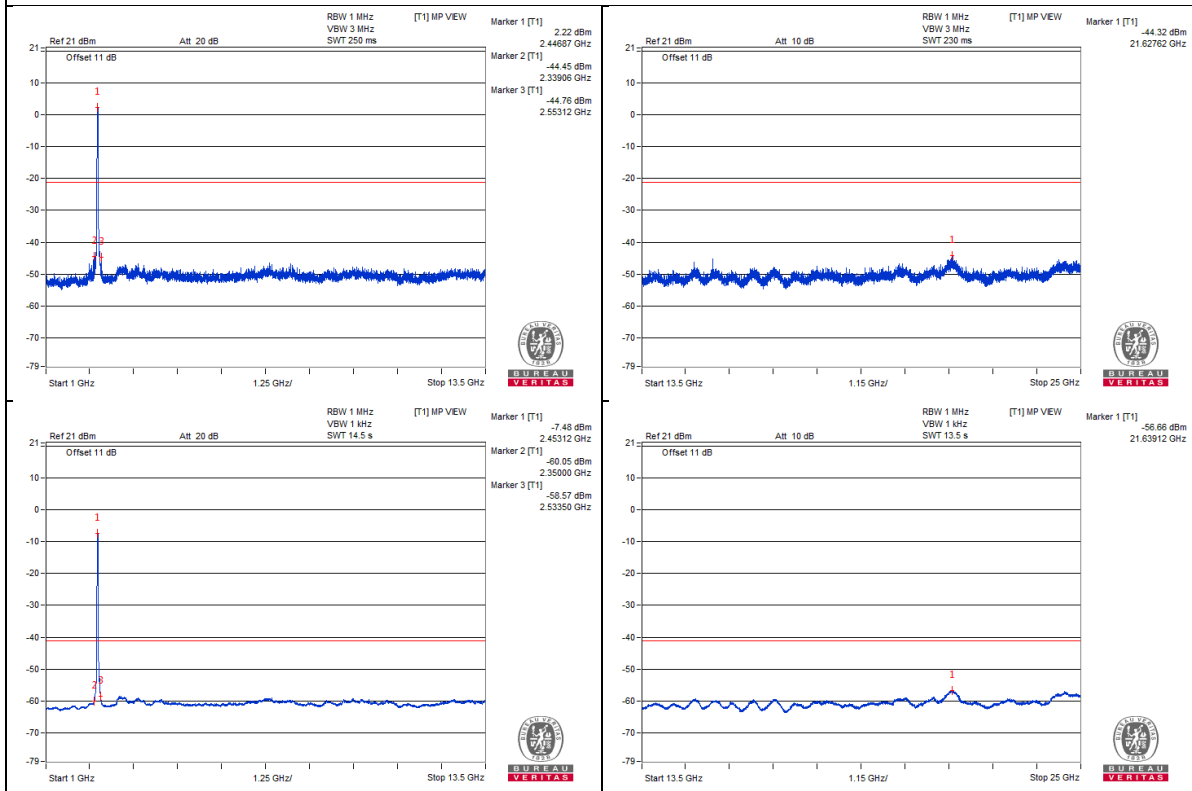
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2389.87 PK	67.66	74	-6.34	-42.32	-36.65	8.01	-27.6
2	2389.87 AV	50.06	54	-3.94	-56.21	-56.24	8.01	-45.2
3	2485.22 PK	71.64	74	-2.36	-37.17	-33.05	8.01	-23.62
4	2483.85 AV	54.4	54	* 0.4	-53.21	-50.86	8.01	-40.86

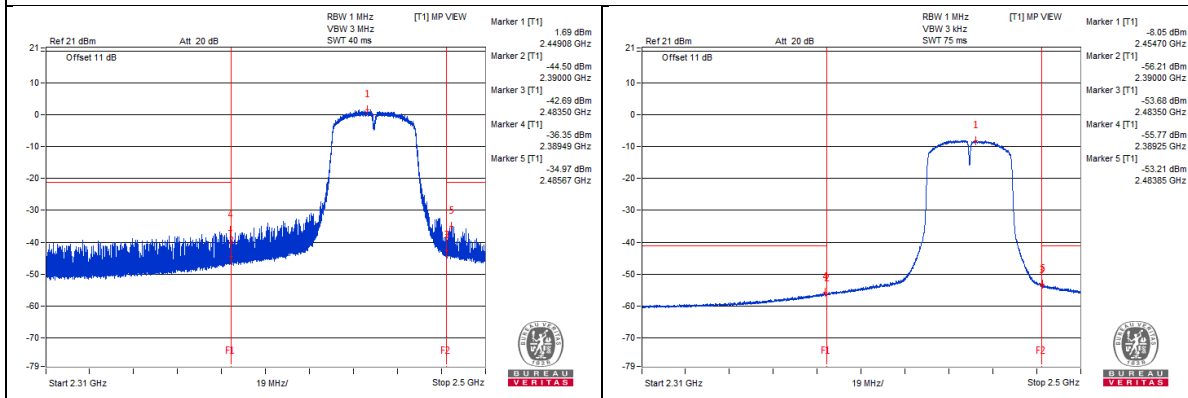
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

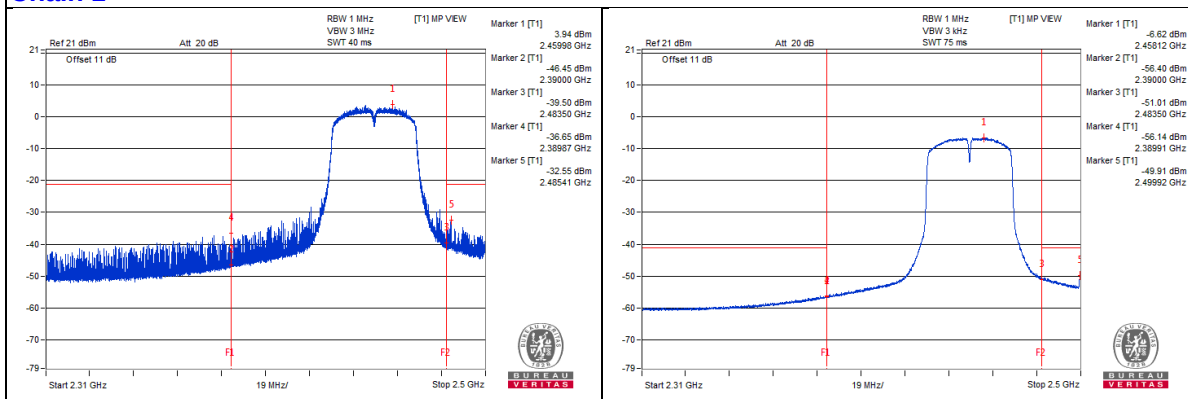
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT40 - Channel 10

Conducted spurious emission table

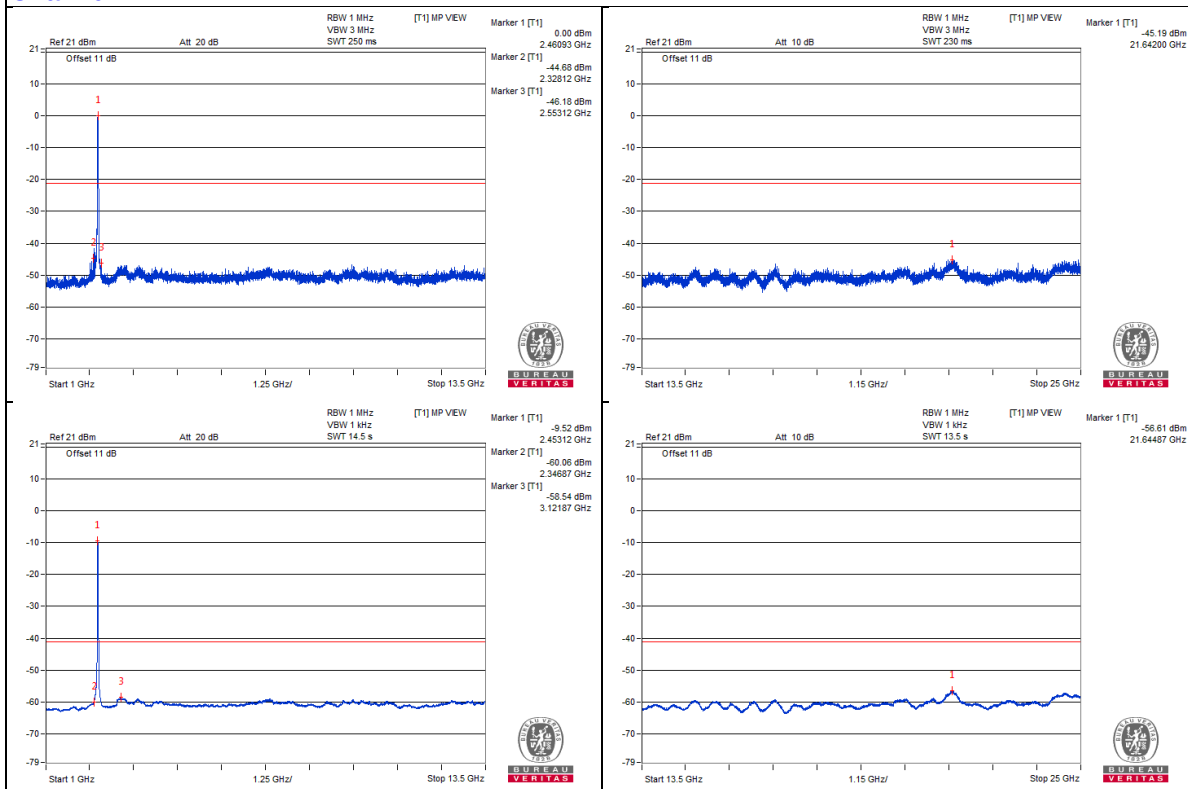
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4917.18 PK	55.32	74	-18.68	-50.28	-51.77	8.01	-39.94
2	4917.18 AV	45.13	54	-8.87	-60.95	-61.35	8.01	-50.13
3	7375 PK	57.77	74	-16.23	-48.48	-48.55	8.01	-37.49
4	7373.43 AV	47.16	54	-6.84	-59.07	-59.17	8.01	-48.1

Note :

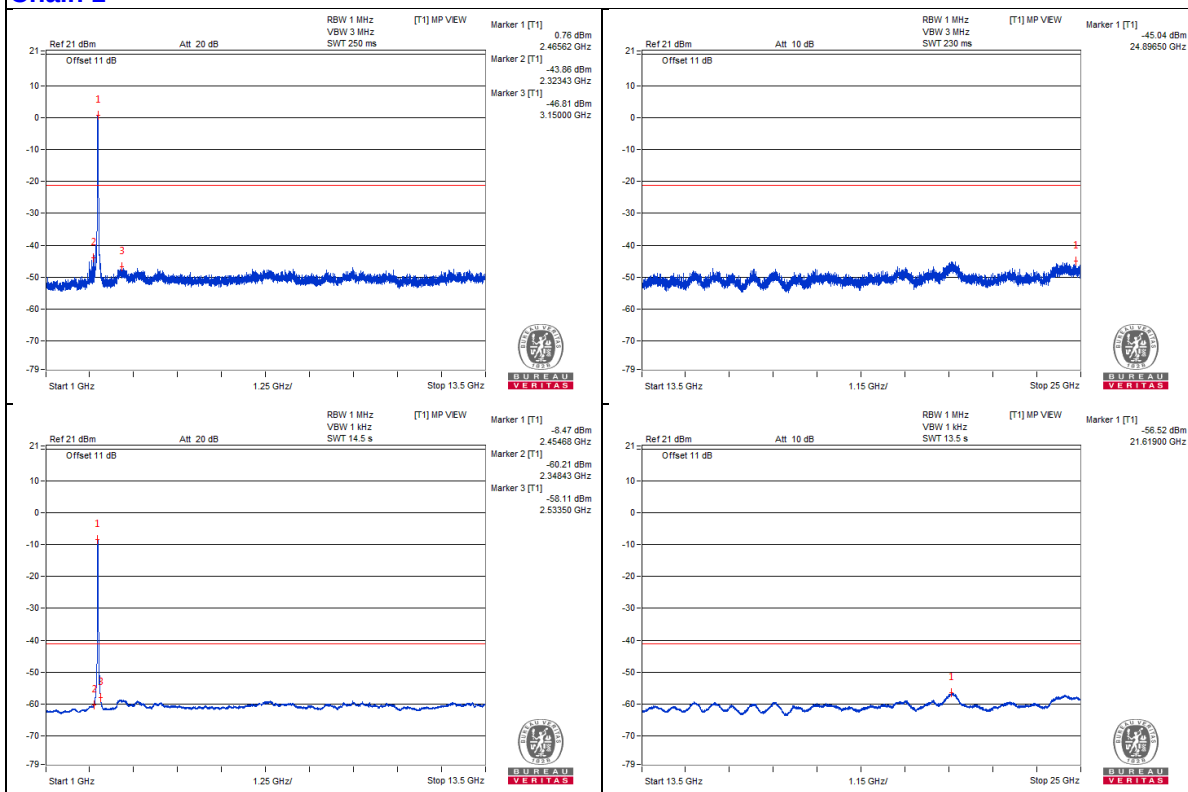
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2388.73 PK	65.93	74	-8.07	-38.23	-44.64	8.01	-29.33
2	2389.7 AV	49.82	54	-4.18	-56.72	-56.21	8.01	-45.44
3	2485.15 PK	73.29	74	-0.71	-37.89	-30.75	8.01	-21.97
4	2483.63 AV	56.02	54	* 2.02	-51.98	-49.03	8.01	-39.24

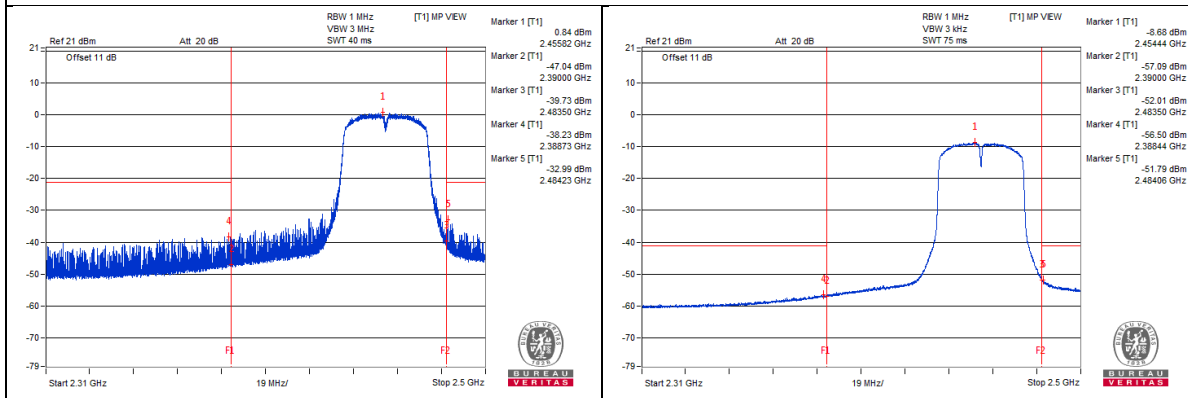
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

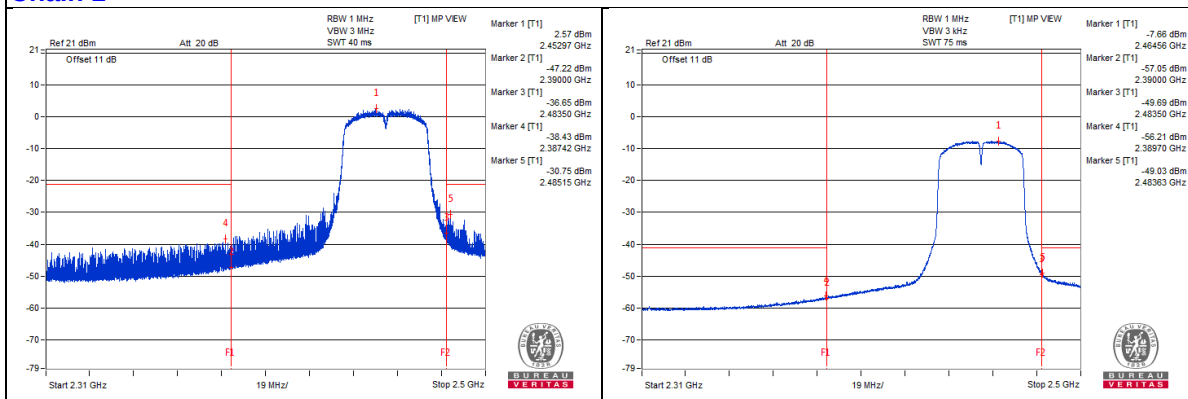
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



VHT40 - Channel 11

Conducted spurious emission table

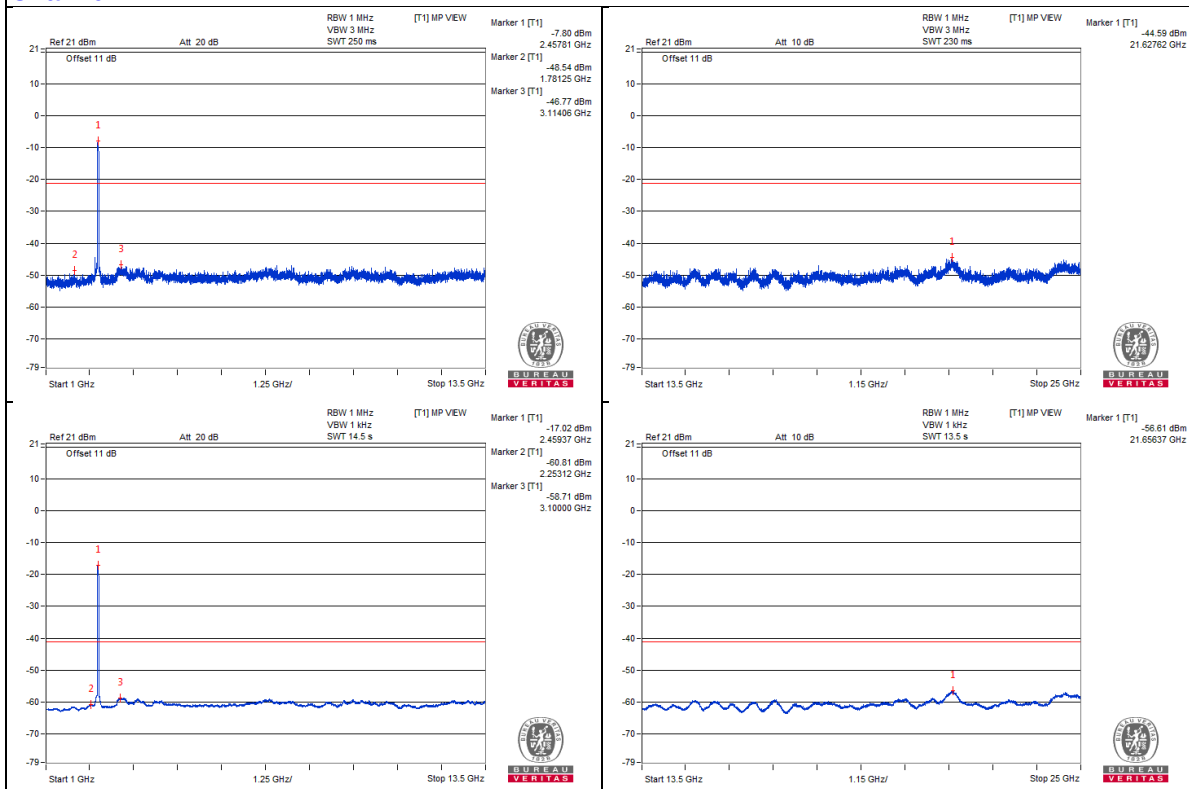
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4928.12 PK	55.53	74	-18.47	-50.49	-51.02	8.01	-39.73
2	4925 AV	45.14	54	-8.86	-61.21	-61.08	8.01	-50.12
3	7382.81 PK	57.73	74	-16.27	-48.08	-49.08	8.01	-37.53
4	7381.25 AV	46.98	54	-7.02	-59.34	-59.26	8.01	-48.28

Note :

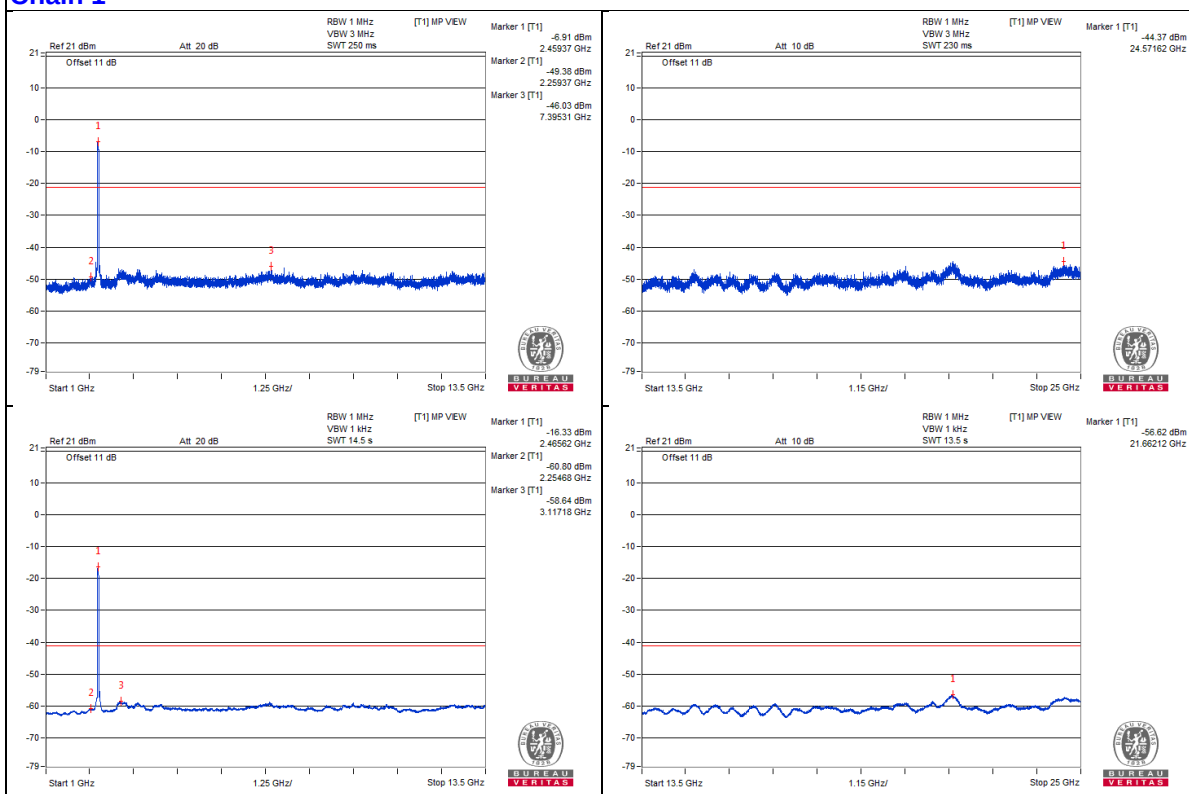
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain 0



Chain 1



Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2383.19 PK	60.86	74	-13.14	-43.32	-49.67	8.01	-34.4
2	2389.42 AV	47.17	54	-6.83	-58.72	-59.54	8.01	-48.09
3	2483.68 PK	71.44	74	-2.56	-35.17	-34.53	8.01	-23.82
4	2483.51 AV	56.77	54	* 2.77	-50.56	-48.67	8.01	-38.49

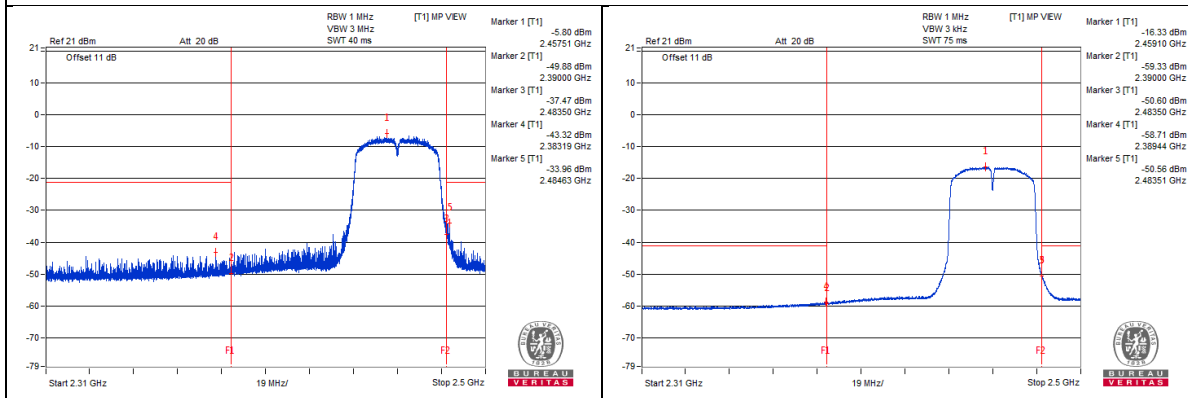
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

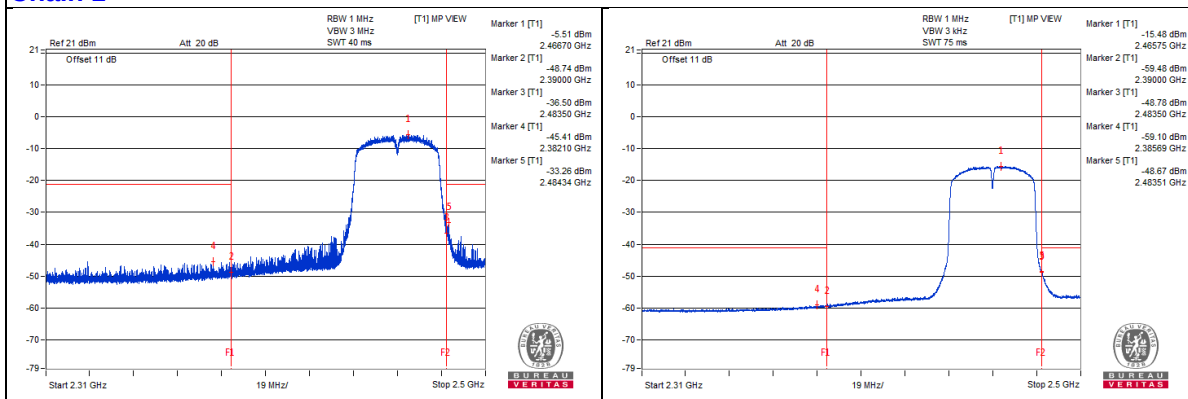
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



Below 1GHz Data

802.11g - Channel 6

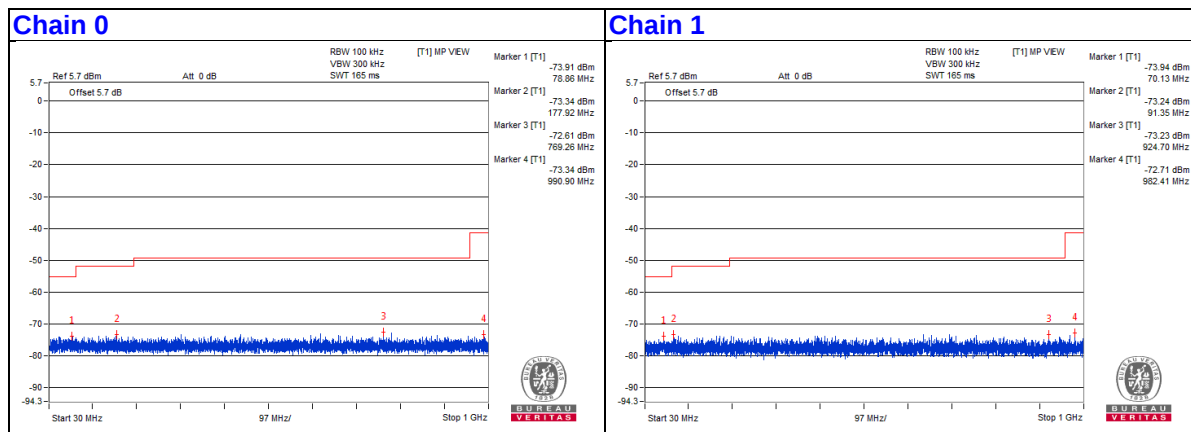
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	70.13	31.53	40	-8.47	-75.75	-73.94	8.01	-63.73
2	91.35	31.98	43.5	-11.52	-75.71	-73.24	8.01	-63.28
3	385.26	31.49	46	-14.51	-74.04	-75.69	8.01	-63.77
4	452.55	31.36	46	-14.64	-73.4	-77.29	8.01	-63.9
5	769.26	31.85	46	-14.15	-72.61	-77.63	8.01	-63.41
6	982.41	32.41	54	-21.59	-75.45	-72.71	8.01	-62.85

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



4.2 Conducted Output Power Measurement

4.2.1 Limits of Conducted Output Power Measurement

For systems using digital modulation in the 2400–2483.5 MHz bands: 1 Watt (30dBm)

Per KDB 662911 D01 Multiple Transmitter Output Method of conducted output power measurement on IEEE 802.11 devices,

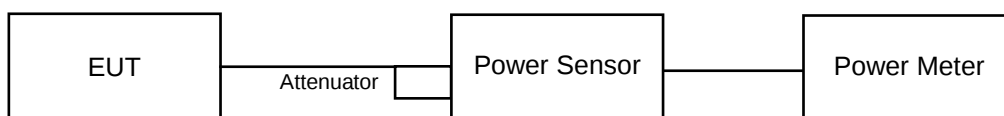
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

For power measurements on all other devices: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

4.2.2 Test Setup



4.2.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.2.4 Test Procedures

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

Average power sensor was used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

4.2.5 Deviation from Test Standard

No deviation.

4.2.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.2.7 Test Results

FOR PEAK POWER

802.11b

Chan.	Chan. Freq.	Peak Power (dBm)	Total	Total Power	Limit (dBm)	Pass / Fail
-------	-------------	------------------	-------	-------------	-------------	-------------

	(MHz)	Chain 0	Chain 1	Power (mW)	(dBm)		
1	2412	20.80	20.93	244.106	23.88	30.00	Pass
6	2437	20.50	22.00	270.691	24.32	30.00	Pass
11	2462	20.52	21.70	260.631	24.16	30.00	Pass
12	2467	16.99	17.90	111.663	20.48	30.00	Pass
13	2472	12.15	13.35	38.033	15.80	30.00	Pass

802.11g

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	19.38	20.02	187.158	22.72	30.00	Pass
2	2417	23.09	24.04	457.217	26.60	30.00	Pass
6	2437	23.07	24.12	460.994	26.64	30.00	Pass
10	2457	23.02	23.66	432.721	26.36	30.00	Pass
11	2462	17.39	18.67	128.449	21.09	30.00	Pass
12	2467	14.48	15.64	64.698	18.11	30.00	Pass
13	2472	7.64	8.80	13.394	11.27	30.00	Pass

VHT20

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	18.31	18.86	144.677	21.60	30.00	Pass
2	2417	22.70	23.68	419.555	26.23	30.00	Pass
6	2437	23.73	24.45	514.66	27.12	30.00	Pass
10	2457	22.92	23.61	425.499	26.29	30.00	Pass
11	2462	17.12	18.43	121.186	20.83	30.00	Pass
12	2467	14.21	15.48	61.681	17.90	30.00	Pass
13	2472	6.94	8.60	12.187	10.86	30.00	Pass

VHT40

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	14.59	15.33	62.893	17.99	30.00	Pass
4	2427	15.17	16.37	76.236	18.82	30.00	Pass
6	2437	17.81	19.39	147.291	21.68	30.00	Pass
8	2447	17.13	18.68	125.432	20.98	30.00	Pass
9	2452	16.46	17.63	102.202	20.09	30.00	Pass
10	2457	15.84	16.81	86.344	19.36	30.00	Pass
11	2462	7.59	9.22	14.097	11.49	30.00	Pass

FOR AVERAGE POWER

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	18.38	18.54	140.315	21.47
6	2437	18.13	19.57	155.586	21.92
11	2462	18.15	19.35	151.412	21.80
12	2467	14.43	15.40	62.407	17.95
13	2472	9.63	10.88	21.429	13.31

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	12.81	13.73	42.704	16.30
2	2417	17.61	18.54	129.127	21.11
6	2437	17.66	18.94	136.688	21.36
10	2457	17.05	18.26	117.687	20.71
11	2462	11.06	12.13	29.095	14.64
12	2467	8.09	9.28	14.914	11.74
13	2472	1.08	2.32	2.988	4.75

VHT20

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	11.66	12.22	31.327	14.96
2	2417	17.01	17.93	112.321	20.50
6	2437	18.52	18.97	150.007	21.76
10	2457	16.93	18.08	113.586	20.55
11	2462	10.82	11.87	27.46	14.39
12	2467	7.81	9.03	14.037	11.47
13	2472	0.86	2.08	2.833	4.52

VHT40

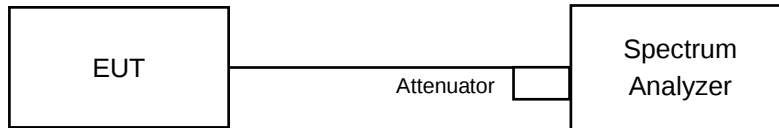
Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
3	2422	7.74	8.43	12.909	11.11
4	2427	8.53	9.66	16.376	12.14
6	2437	11.14	12.70	31.623	15.00
8	2447	10.21	11.88	25.912	14.14
9	2452	9.53	10.89	21.248	13.27
10	2457	8.80	9.95	17.472	12.42
11	2462	1.09	1.95	2.852	4.55

4.3 Power Spectral Density Measurement

4.3.1 Limits of Power Spectral Density Measurement

The Maximum of Power Spectral Density Measurement is 8dBm in any 3 kHz.

4.3.2 Test Setup



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedure

- Set analyzer center frequency to DTS channel center frequency.
- Set the span to 1.5 times the DTS bandwidth.
- Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- Set the VBW $\geq 3 \times \text{RBW}$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Condition

Same as Item 4.3.6

4.3.7 Test Results

802.11b

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-5.47	3.01	-2.46	5.99	Pass
	6	2437	-4.83	3.01	-1.82	5.99	Pass
	11	2462	-5.77	3.01	-2.76	5.99	Pass
	12	2467	-7.22	3.01	-4.21	5.99	Pass
	13	2472	-14.03	3.01	-11.02	5.99	Pass
1	1	2412	-6.17	3.01	-3.16	5.99	Pass
	6	2437	-4.50	3.01	-1.49	5.99	Pass
	11	2462	-5.90	3.01	-2.89	5.99	Pass
	12	2467	-5.65	3.01	-2.64	5.99	Pass
	13	2472	-13.20	3.01	-10.19	5.99	Pass

Note: 1. Directional gain = 5dBi + 10log(2) = 8.01dBi > 6dBi , so the power density limit shall be reduced to 8-(8.01-6) = 5.99dBm.

802.11g

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-11.26	3.01	-8.25	5.99	Pass
	6	2437	-7.75	3.01	-4.74	5.99	Pass
	11	2462	-12.47	3.01	-9.46	5.99	Pass
	12	2467	-15.45	3.01	-12.44	5.99	Pass
	13	2472	-24.94	3.01	-21.93	5.99	Pass
1	1	2412	-10.55	3.01	-7.54	5.99	Pass
	6	2437	-8.04	3.01	-5.03	5.99	Pass
	11	2462	-11.58	3.01	-8.57	5.99	Pass
	12	2467	-15.44	3.01	-12.43	5.99	Pass
	13	2472	-24.49	3.01	-21.48	5.99	Pass

Note: 1. Directional gain = 5dBi + 10log(2) = 8.01dBi > 6dBi , so the power density limit shall be reduced to 8-(8.01-6) = 5.99dBm.

VHT20

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-12.04	3.01	-9.03	5.99	Pass
	6	2437	-7.76	3.01	-4.75	5.99	Pass
	11	2462	-12.77	3.01	-9.76	5.99	Pass
	12	2467	-15.28	3.01	-12.27	5.99	Pass
	13	2472	-26.17	3.01	-23.16	5.99	Pass
1	1	2412	-11.68	3.01	-8.67	5.99	Pass
	6	2437	-8.21	3.01	-5.20	5.99	Pass
	11	2462	-11.64	3.01	-8.63	5.99	Pass
	12	2467	-14.91	3.01	-11.90	5.99	Pass
	13	2472	-26.54	3.01	-23.53	5.99	Pass

Note: 1. Directional gain = 5dBi + 10log(2) = 8.01dBi > 6dBi , so the power density limit shall be reduced to 8-(8.01-6) = 5.99dBm.

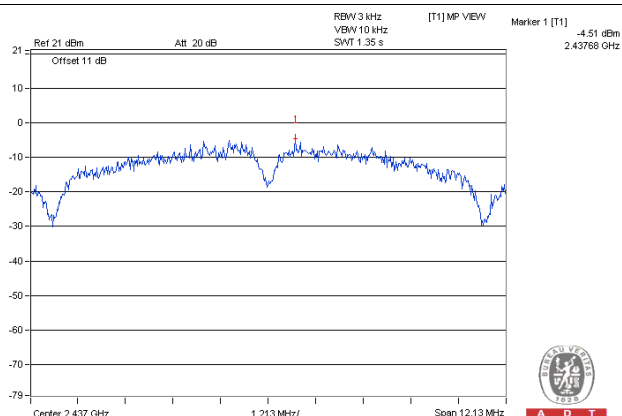
VHT40

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	3	2422	-18.04	3.01	-15.03	5.99	Pass
	6	2437	-11.54	3.01	-8.53	5.99	Pass
	9	2452	-19.52	3.01	-16.51	5.99	Pass
	10	2457	-19.18	3.01	-16.17	5.99	Pass
	11	2462	-27.87	3.01	-24.86	5.99	Pass
1	3	2422	-17.83	3.01	-14.82	5.99	Pass
	6	2437	-11.78	3.01	-8.77	5.99	Pass
	9	2452	-18.69	3.01	-15.68	5.99	Pass
	10	2457	-19.12	3.01	-16.11	5.99	Pass
	11	2462	-27.75	3.01	-24.74	5.99	Pass

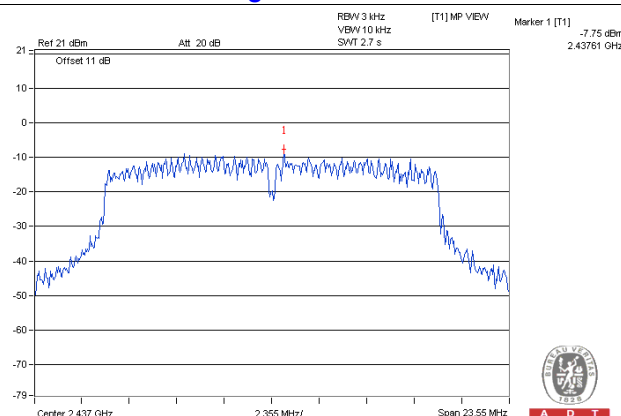
Note: 1. Directional gain = 5dBi + 10log(2) = 8.01dBi > 6dBi , so the power density limit shall be reduced to 8-(8.01-6) = 5.99dBm.

Spectrum Plot of Worst Value

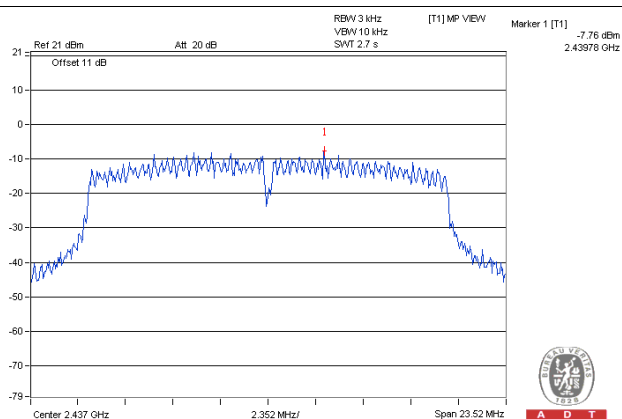
802.11b / Chain 1 : CH6



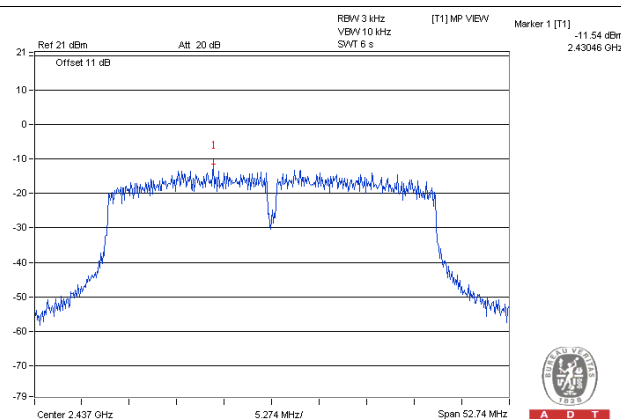
802.11g / Chain 0 : CH6



VHT20 / Chain 0 : CH6



VHT40 / Chain 0 : CH6



5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

6 Appendix A – Radiated Emission Measurement (For 2.4GHz Band)

6.1.1 Limits of Radiated Emission Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

6.1.1 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 05, 2018	July 04, 2019
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Dec. 12, 2017	Dec. 11, 2018
Pre-Amplifier Mini-Circuits	ZVA-183-S+	AMP-ZVA-03	May 10, 2018	May 09, 2019
RF Cable	EMC104-SM-SM-1200	160923	Jan. 29, 2018	Jan. 28, 2019
RF Cable	EMC104-SM-SM-2000	150318	Jan. 29, 2018	Jan. 28, 2019
RF Cable	EMC104-SM-SM-5000	150321	Jan. 29, 2018	Jan. 28, 2019
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 29, 2018	Jan. 28, 2019
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 14, 2017	Dec. 13, 2018
RF Cable	EMC102-KM-KM-1200	160925	Jan. 29, 2018	Jan. 28, 2019
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 4.
3. The CANADA Site Registration No. is 20331-2
4. Tested Date: Oct. 30, 2018

6.1.2 Test Procedures

- a. The EUT was placed on the top of a rotating table 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna 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.
- d. 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 rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

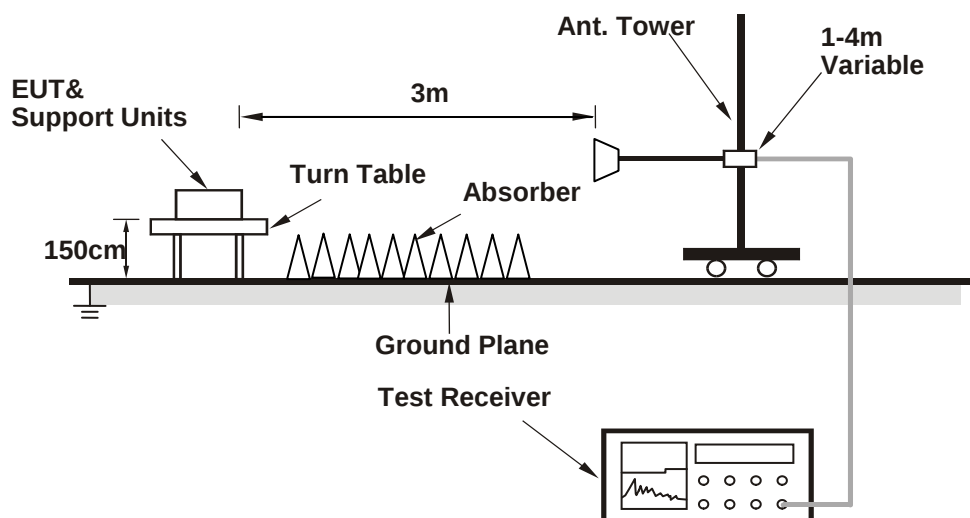
Note:

1. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
3. All modes of operation were investigated and the worst-case emissions are reported.

6.1.3 Deviation from Test Standard

No deviation

6.1.1 Test Setup



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

6.1.2 EUT Operating Conditions

Same as 4.1.6.

6.1.1 Test Results

The EUT's antenna had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane**.

802.11b

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2358.31	54.0 PK	74.0	-20.0	2.92 H	290	56.0	-2.0
2	2358.31	41.7 AV	54.0	-12.3	2.92 H	290	43.7	-2.0
3	2483.92	53.6 PK	74.0	-20.4	2.92 H	290	56.0	-2.4
4	2483.92	41.1 AV	54.0	-12.9	2.92 H	290	43.5	-2.4
5	4826.56	52.9 PK	74.0	-21.1	2.51 H	174	51.1	1.8
6	4826.56	44.9 AV	54.0	-9.1	2.51 H	174	43.1	1.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2358.31	56.3 PK	74.0	-17.7	1.56 V	330	58.3	-2.0
2	2358.31	42.1 AV	54.0	-11.9	1.56 V	330	44.1	-2.0
3	2483.92	54.1 PK	74.0	-19.9	1.56 V	330	56.5	-2.4
4	2483.92	41.3 AV	54.0	-12.7	1.56 V	330	43.7	-2.4
5	4826.56	54.9 PK	74.0	-19.1	1.81 V	285	53.1	1.8
6	4826.56	50.3 AV	54.0	-3.7	1.81 V	285	48.5	1.8

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.01	54.4 PK	74.0	-19.6	2.92 H	304	56.6	-2.2
2	2389.01	41.9 AV	54.0	-12.1	2.92 H	304	44.1	-2.2
3	2485.01	53.8 PK	74.0	-20.2	2.92 H	304	56.2	-2.4
4	2485.01	41.4 AV	54.0	-12.6	2.92 H	304	43.8	-2.4
5	4875.00	52.1 PK	74.0	-21.9	2.56 H	176	50.1	2.0
6	4875.00	44.4 AV	54.0	-9.6	2.56 H	176	42.4	2.0
7	7314.06	57.9 PK	74.0	-16.1	1.88 H	134	49.5	8.4
8	7314.06	47.5 AV	54.0	-6.5	1.88 H	134	39.1	8.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.01	56.5 PK	74.0	-17.5	1.59 V	283	58.7	-2.2
2	2389.01	43.1 AV	54.0	-10.9	1.59 V	283	45.3	-2.2
3	2485.01	55.0 PK	74.0	-19.0	1.59 V	283	57.4	-2.4
4	2485.01	41.9 AV	54.0	-12.1	1.59 V	283	44.3	-2.4
5	4875.00	55.5 PK	74.0	-18.5	1.84 V	291	53.5	2.0
6	4875.00	50.8 AV	54.0	-3.2	1.84 V	291	48.8	2.0
7	7314.06	57.7 PK	74.0	-16.3	1.63 V	213	49.3	8.4
8	7314.06	48.9 AV	54.0	-5.1	1.63 V	213	40.5	8.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2310.61	53.4 PK	74.0	-20.6	2.92 H	296	55.4	-2.0
2	2310.61	41.1 AV	54.0	-12.9	2.92 H	296	43.1	-2.0
3	2483.99	55.1 PK	74.0	-18.9	2.92 H	296	57.5	-2.4
4	2483.99	42.6 AV	54.0	-11.4	2.92 H	296	45.0	-2.4
5	4925.00	52.5 PK	74.0	-21.5	2.52 H	181	50.5	2.0
6	4925.00	44.6 AV	54.0	-9.4	2.52 H	181	42.6	2.0
7	7381.25	58.0 PK	74.0	-16.0	1.85 H	126	49.4	8.6
8	7381.25	47.5 AV	54.0	-6.5	1.85 H	126	38.9	8.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2310.61	54.8 PK	74.0	-19.2	2.13 V	76	56.8	-2.0
2	2310.61	41.3 AV	54.0	-12.7	2.13 V	76	43.3	-2.0
3	2483.99	58.4 PK	74.0	-15.6	2.13 V	76	60.8	-2.4
4	2483.99	44.9 AV	54.0	-9.1	2.13 V	76	47.3	-2.4
5	4925.00	55.0 PK	74.0	-19.0	1.85 V	288	53.0	2.0
6	4925.00	50.4 AV	54.0	-3.6	1.85 V	288	48.4	2.0
7	7381.25	57.9 PK	74.0	-16.1	1.68 V	201	49.3	8.6
8	7381.25	49.1 AV	54.0	-4.9	1.68 V	201	40.5	8.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 12	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2311.14	53.5 PK	74.0	-20.5	2.90 H	288	55.5	-2.0
2	2311.14	41.1 AV	54.0	-12.9	2.90 H	288	43.1	-2.0
3	2483.51	58.4 PK	74.0	-15.6	2.90 H	288	60.8	-2.4
4	2483.51	45.6 AV	54.0	-8.4	2.90 H	288	48.0	-2.4
5	4934.37	49.7 PK	74.0	-24.3	2.54 H	185	47.7	2.0
6	4934.37	42.2 AV	54.0	-11.8	2.54 H	185	40.2	2.0
7	7401.56	55.6 PK	74.0	-18.4	1.83 H	135	47.0	8.6
8	7401.56	45.4 AV	54.0	-8.6	1.83 H	135	36.8	8.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2311.14	54.9 PK	74.0	-19.1	2.26 V	81	56.9	-2.0
2	2311.14	41.3 AV	54.0	-12.7	2.26 V	81	43.3	-2.0
3	2483.51	62.2 PK	74.0	-11.8	2.26 V	81	64.6	-2.4
4	2483.51	51.3 AV	54.0	-2.7	2.26 V	81	53.7	-2.4
5	4934.37	53.6 PK	74.0	-20.4	1.79 V	295	51.6	2.0
6	4934.37	48.9 AV	54.0	-5.1	1.79 V	295	46.9	2.0
7	7401.56	56.2 PK	74.0	-17.8	1.57 V	228	47.6	8.6
8	7401.56	47.3 AV	54.0	-6.7	1.57 V	228	38.7	8.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 13	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2310.21	55.0 PK	74.0	-19.0	2.87 H	297	57.0	-2.0
2	2310.21	41.2 AV	54.0	-12.8	2.87 H	297	43.2	-2.0
3	2483.51	54.8 PK	74.0	-19.2	2.87 H	297	57.2	-2.4
4	2483.51	42.3 AV	54.0	-11.7	2.87 H	297	44.7	-2.4
5	4942.18	49.0 PK	74.0	-25.0	2.52 H	183	46.9	2.1
6	4942.18	41.5 AV	54.0	-12.5	2.52 H	183	39.4	2.1
7	7417.18	54.1 PK	74.0	-19.9	1.82 H	142	45.5	8.6
8	7417.18	44.0 AV	54.0	-10.0	1.82 H	142	35.4	8.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2310.21	55.1 PK	74.0	-18.9	1.60 V	282	57.1	-2.0
2	2310.21	41.5 AV	54.0	-12.5	1.60 V	282	43.5	-2.0
3	2483.51	57.3 PK	74.0	-16.7	1.60 V	282	59.7	-2.4
4	2483.51	44.2 AV	54.0	-9.8	1.60 V	282	46.6	-2.4
5	4942.18	51.3 PK	74.0	-22.7	1.82 V	294	49.2	2.1
6	4942.18	46.5 AV	54.0	-7.5	1.82 V	294	44.4	2.1
7	7417.18	53.2 PK	74.0	-20.8	1.65 V	218	44.6	8.6
8	7417.18	45.2 AV	54.0	-8.8	1.65 V	218	36.6	8.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

802.11g

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.91	56.4 PK	74.0	-17.6	2.91 H	278	58.6	-2.2
2	2389.91	42.5 AV	54.0	-11.5	2.91 H	278	44.7	-2.2
3	4821.87	49.0 PK	74.0	-25.0	1.73 H	196	47.2	1.8
4	4821.87	39.9 AV	54.0	-14.1	1.73 H	196	38.1	1.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.91	65.6 PK	74.0	-8.4	2.15 V	324	67.8	-2.2
2	2389.91	47.4 AV	54.0	-6.6	2.15 V	324	49.6	-2.2
3	4821.87	52.9 PK	74.0	-21.1	1.87 V	134	51.1	1.8
4	4821.87	43.8 AV	54.0	-10.2	1.87 V	134	42.0	1.8

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 2	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.13	56.9 PK	74.0	-17.1	2.94 H	291	59.1	-2.2
2	2389.13	43.1 AV	54.0	-10.9	2.94 H	291	45.3	-2.2
3	2489.02	54.3 PK	74.0	-19.7	2.94 H	291	56.7	-2.4
4	2489.02	41.1 AV	54.0	-12.9	2.94 H	291	43.5	-2.4
5	4831.25	51.2 PK	74.0	-22.8	1.70 H	171	49.4	1.8
6	4831.25	41.6 AV	54.0	-12.4	1.70 H	171	39.8	1.8
7	#7246.87	58.7 PK	74.0	-15.3	1.49 H	287	50.7	8.0
8	#7246.87	47.6 AV	54.0	-6.4	1.49 H	287	39.6	8.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.13	63.2 PK	74.0	-10.8	1.81 V	309	65.4	-2.2
2	2389.13	47.9 AV	54.0	-6.1	1.81 V	309	50.1	-2.2
3	2489.02	54.5 PK	74.0	-19.5	1.81 V	309	56.9	-2.4
4	2489.02	41.3 AV	54.0	-12.7	1.81 V	309	43.7	-2.4
5	4831.25	54.5 PK	74.0	-19.5	1.85 V	132	52.7	1.8
6	4831.25	45.3 AV	54.0	-8.7	1.85 V	132	43.5	1.8
7	#7246.87	60.7 PK	74.0	-13.3	1.49 V	197	52.7	8.0
8	#7246.87	49.7 AV	54.0	-4.3	1.49 V	197	41.7	8.0

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.08	55.1 PK	74.0	-18.9	2.94 H	283	57.3	-2.2
2	2389.08	41.8 AV	54.0	-12.2	2.94 H	283	44.0	-2.2
3	2485.01	54.5 PK	74.0	-19.5	2.94 H	283	56.9	-2.4
4	2485.01	41.2 AV	54.0	-12.8	2.94 H	283	43.6	-2.4
5	4870.31	51.3 PK	74.0	-22.7	1.69 H	182	49.4	1.9
6	4870.31	41.6 AV	54.0	-12.4	1.69 H	182	39.7	1.9
7	7315.62	59.0 PK	74.0	-15.0	1.46 H	291	50.6	8.4
8	7315.62	48.1 AV	54.0	-5.9	1.46 H	291	39.7	8.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.08	55.7 PK	74.0	-18.3	1.57 V	290	57.9	-2.2
2	2389.08	43.4 AV	54.0	-10.6	1.57 V	290	45.6	-2.2
3	2485.01	55.6 PK	74.0	-18.4	1.57 V	290	58.0	-2.4
4	2485.01	42.5 AV	54.0	-11.5	1.57 V	290	44.9	-2.4
5	4870.31	54.4 PK	74.0	-19.6	1.83 V	146	52.5	1.9
6	4870.31	45.4 AV	54.0	-8.6	1.83 V	146	43.5	1.9
7	7315.62	60.6 PK	74.0	-13.4	1.49 V	197	52.2	8.4
8	7315.62	49.8 AV	54.0	-4.2	1.49 V	197	41.4	8.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 10	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2312.30	54.4 PK	74.0	-19.6	2.97 H	292	56.4	-2.0
2	2312.30	41.1 AV	54.0	-12.9	2.97 H	292	43.1	-2.0
3	2483.63	57.5 PK	74.0	-16.5	2.97 H	292	59.9	-2.4
4	2483.63	43.7 AV	54.0	-10.3	2.97 H	292	46.1	-2.4
5	4917.18	50.9 PK	74.0	-23.1	1.72 H	183	48.9	2.0
6	4917.18	41.4 AV	54.0	-12.6	1.72 H	183	39.4	2.0
7	7371.87	58.7 PK	74.0	-15.3	1.45 H	295	50.1	8.6
8	7371.87	48.1 AV	54.0	-5.9	1.45 H	295	39.5	8.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2312.30	54.1 PK	74.0	-19.9	2.09 V	74	56.1	-2.0
2	2312.30	41.3 AV	54.0	-12.7	2.09 V	74	43.3	-2.0
3	2483.63	67.4 PK	74.0	-6.6	2.09 V	74	69.8	-2.4
4	2483.63	51.0 AV	54.0	-3.0	2.09 V	74	53.4	-2.4
5	4917.18	54.5 PK	74.0	-19.5	1.85 V	143	52.5	2.0
6	4917.18	45.7 AV	54.0	-8.3	1.85 V	143	43.7	2.0
7	7371.87	60.6 PK	74.0	-13.4	1.50 V	199	52.0	8.6
8	7371.87	49.9 AV	54.0	-4.1	1.50 V	199	41.3	8.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2317.69	54.3 PK	74.0	-19.7	2.93 H	283	56.3	-2.0
2	2317.69	41.2 AV	54.0	-12.8	2.93 H	283	43.2	-2.0
3	2483.51	56.8 PK	74.0	-17.2	2.93 H	283	59.2	-2.4
4	2483.51	43.2 AV	54.0	-10.8	2.93 H	283	45.6	-2.4
5	4921.87	49.6 PK	74.0	-24.4	1.70 H	180	47.6	2.0
6	4921.87	40.3 AV	54.0	-13.7	1.70 H	180	38.3	2.0
7	7389.06	56.9 PK	74.0	-17.1	1.48 H	271	48.3	8.6
8	7389.06	46.2 AV	54.0	-7.8	1.48 H	271	37.6	8.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2317.69	54.4 PK	74.0	-19.6	2.13 V	73	56.4	-2.0
2	2317.69	41.3 AV	54.0	-12.7	2.13 V	73	43.3	-2.0
3	2483.51	64.9 PK	74.0	-9.1	2.13 V	73	67.3	-2.4
4	2483.51	48.6 AV	54.0	-5.4	2.13 V	73	51.0	-2.4
5	4921.87	52.1 PK	74.0	-21.9	1.79 V	147	50.1	2.0
6	4921.87	43.5 AV	54.0	-10.5	1.79 V	147	41.5	2.0
7	7389.06	59.1 PK	74.0	-14.9	1.51 V	206	50.5	8.6
8	7389.06	48.2 AV	54.0	-5.8	1.51 V	206	39.6	8.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 12	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2313.96	54.0 PK	74.0	-20.0	2.97 H	294	56.0	-2.0
2	2313.96	41.2 AV	54.0	-12.8	2.97 H	294	43.2	-2.0
3	2483.68	56.6 PK	74.0	-17.4	2.97 H	294	59.0	-2.4
4	2483.68	42.8 AV	54.0	-11.2	2.97 H	294	45.2	-2.4
5	4937.50	49.5 PK	74.0	-24.5	1.68 H	204	47.5	2.0
6	4937.50	40.3 AV	54.0	-13.7	1.68 H	204	38.3	2.0
7	7398.43	55.3 PK	74.0	-18.7	1.46 H	266	46.7	8.6
8	7398.43	44.2 AV	54.0	-9.8	1.46 H	266	35.6	8.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2313.96	54.2 PK	74.0	-19.8	1.61 V	288	56.2	-2.0
2	2313.96	41.3 AV	54.0	-12.7	1.61 V	288	43.3	-2.0
3	2483.68	62.5 PK	74.0	-11.5	1.61 V	288	64.9	-2.4
4	2483.68	47.9 AV	54.0	-6.1	1.61 V	288	50.3	-2.4
5	4937.50	50.6 PK	74.0	-23.4	1.88 V	126	48.6	2.0
6	4937.50	42.0 AV	54.0	-12.0	1.88 V	126	40.0	2.0
7	7398.43	56.7 PK	74.0	-17.3	1.53 V	213	48.1	8.6
8	7398.43	46.1 AV	54.0	-7.9	1.53 V	213	37.5	8.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 13	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.51	56.3 PK	74.0	-17.7	2.86 H	291	58.7	-2.4
2	2483.51	42.5 AV	54.0	-11.5	2.86 H	291	44.9	-2.4

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.51	65.7 PK	74.0	-8.3	1.51 V	289	68.1	-2.4
2	2483.51	47.6 AV	54.0	-6.4	1.51 V	289	50.0	-2.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

VHT20

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.91	56.7 PK	74.0	-17.3	2.94 H	293	58.9	-2.2
2	2389.91	42.8 AV	54.0	-11.2	2.94 H	293	45.0	-2.2
3	2485.72	55.0 PK	74.0	-19.0	2.94 H	293	57.4	-2.4
4	2485.72	41.2 AV	54.0	-12.8	2.94 H	293	43.6	-2.4
5	4828.12	49.5 PK	74.0	-24.5	1.67 H	195	47.7	1.8
6	4828.12	40.2 AV	54.0	-13.8	1.67 H	195	38.4	1.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.91	62.6 PK	74.0	-11.4	2.06 V	64	64.8	-2.2
2	2389.91	48.3 AV	54.0	-5.7	2.06 V	64	50.5	-2.2
3	2485.72	55.5 PK	74.0	-18.5	2.06 V	64	57.9	-2.4
4	2485.72	41.7 AV	54.0	-12.3	2.06 V	64	44.1	-2.4
5	4828.12	52.6 PK	74.0	-21.4	1.80 V	142	50.8	1.8
6	4828.12	43.8 AV	54.0	-10.2	1.80 V	142	42.0	1.8

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 2	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.80	56.3 PK	74.0	-17.7	2.96 H	299	58.5	-2.2
2	2389.80	42.4 AV	54.0	-11.6	2.96 H	299	44.6	-2.2
3	2484.61	55.2 PK	74.0	-18.8	2.96 H	299	57.6	-2.4
4	2484.61	41.4 AV	54.0	-12.6	2.96 H	299	43.8	-2.4
5	4831.25	50.9 PK	74.0	-23.1	1.64 H	187	49.1	1.8
6	4831.25	41.5 AV	54.0	-12.5	1.64 H	187	39.7	1.8
7	#7246.87	59.5 PK	74.0	-14.5	1.48 H	272	51.5	8.0
8	#7246.87	48.7 AV	54.0	-5.3	1.48 H	272	40.7	8.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.80	62.4 PK	74.0	-11.6	2.11 V	79	64.6	-2.2
2	2389.80	47.8 AV	54.0	-6.2	2.11 V	79	50.0	-2.2
3	2484.61	55.7 PK	74.0	-18.3	2.11 V	79	58.1	-2.4
4	2484.61	41.9 AV	54.0	-12.1	2.11 V	79	44.3	-2.4
5	4831.25	54.6 PK	74.0	-19.4	1.83 V	137	52.8	1.8
6	4831.25	45.7 AV	54.0	-8.3	1.83 V	137	43.9	1.8
7	#7246.87	60.7 PK	74.0	-13.3	1.51 V	222	52.7	8.0
8	#7246.87	49.9 AV	54.0	-4.1	1.51 V	222	41.9	8.0

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2388.94	55.8 PK	74.0	-18.2	2.90 H	302	58.0	-2.2
2	2388.94	42.0 AV	54.0	-12.0	2.90 H	302	44.2	-2.2
3	2484.91	55.4 PK	74.0	-18.6	2.90 H	302	57.8	-2.4
4	2484.91	41.6 AV	54.0	-12.4	2.90 H	302	44.0	-2.4
5	4878.12	51.4 PK	74.0	-22.6	1.72 H	196	49.4	2.0
6	4878.12	42.0 AV	54.0	-12.0	1.72 H	196	40.0	2.0
7	7315.62	58.8 PK	74.0	-15.2	1.49 H	273	50.4	8.4
8	7315.62	48.3 AV	54.0	-5.7	1.49 H	273	39.9	8.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2388.94	56.1 PK	74.0	-17.9	2.09 V	79	58.3	-2.2
2	2388.94	43.7 AV	54.0	-10.3	2.09 V	79	45.9	-2.2
3	2484.91	55.4 PK	74.0	-18.6	2.09 V	79	57.8	-2.4
4	2484.91	42.4 AV	54.0	-11.6	2.09 V	79	44.8	-2.4
5	4878.12	54.3 PK	74.0	-19.7	1.84 V	144	52.3	2.0
6	4878.12	45.4 AV	54.0	-8.6	1.84 V	144	43.4	2.0
7	7315.62	61.1 PK	74.0	-12.9	1.48 V	204	52.7	8.4
8	7315.62	50.3 AV	54.0	-3.7	1.48 V	204	41.9	8.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 10	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2312.92	54.0 PK	74.0	-20.0	2.89 H	287	56.0	-2.0
2	2312.92	41.3 AV	54.0	-12.7	2.89 H	287	43.3	-2.0
3	2483.51	58.5 PK	74.0	-15.5	2.89 H	287	60.9	-2.4
4	2483.51	44.5 AV	54.0	-9.5	2.89 H	287	46.9	-2.4
5	4914.06	51.7 PK	74.0	-22.3	1.64 H	208	49.7	2.0
6	4914.06	42.3 AV	54.0	-11.7	1.64 H	208	40.3	2.0
7	7373.43	58.6 PK	74.0	-15.4	1.44 H	294	50.0	8.6
8	7373.43	47.9 AV	54.0	-6.1	1.44 H	294	39.3	8.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2312.92	54.5 PK	74.0	-19.5	2.09 V	68	56.5	-2.0
2	2312.92	41.6 AV	54.0	-12.4	2.09 V	68	43.6	-2.0
3	2483.51	67.5 PK	74.0	-6.5	2.09 V	68	69.9	-2.4
4	2483.51	51.4 AV	54.0	-2.6	2.09 V	68	53.8	-2.4
5	4914.06	55.3 PK	74.0	-18.7	1.87 V	136	53.3	2.0
6	4914.06	46.3 AV	54.0	-7.7	1.87 V	136	44.3	2.0
7	7373.43	61.3 PK	74.0	-12.7	1.52 V	206	52.7	8.6
8	7373.43	50.3 AV	54.0	-3.7	1.52 V	206	41.7	8.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2311.06	53.8 PK	74.0	-20.2	2.96 H	299	55.8	-2.0
2	2311.06	41.1 AV	54.0	-12.9	2.96 H	299	43.1	-2.0
3	2483.63	56.2 PK	74.0	-17.8	2.96 H	299	58.6	-2.4
4	2483.63	42.5 AV	54.0	-11.5	2.96 H	299	44.9	-2.4
5	4928.12	48.9 PK	74.0	-25.1	1.65 H	195	46.9	2.0
6	4928.12	39.7 AV	54.0	-14.3	1.65 H	195	37.7	2.0
7	7382.81	57.3 PK	74.0	-16.7	1.42 H	291	48.7	8.6
8	7382.81	46.4 AV	54.0	-7.6	1.42 H	291	37.8	8.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2311.06	54.1 PK	74.0	-19.9	2.04 V	78	56.1	-2.0
2	2311.06	41.4 AV	54.0	-12.6	2.04 V	78	43.4	-2.0
3	2483.63	64.9 PK	74.0	-9.1	2.04 V	78	67.3	-2.4
4	2483.63	48.4 AV	54.0	-5.6	2.04 V	78	50.8	-2.4
5	4928.12	52.6 PK	74.0	-21.4	1.81 V	124	50.6	2.0
6	4928.12	43.8 AV	54.0	-10.2	1.81 V	124	41.8	2.0
7	7382.81	59.0 PK	74.0	-15.0	1.55 V	199	50.4	8.6
8	7382.81	47.9 AV	54.0	-6.1	1.55 V	199	39.3	8.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 12	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2311.75	54.0 PK	74.0	-20.0	2.96 H	306	56.0	-2.0
2	2311.75	41.2 AV	54.0	-12.8	2.96 H	306	43.2	-2.0
3	2484.23	55.7 PK	74.0	-18.3	2.96 H	306	58.1	-2.4
4	2484.23	42.1 AV	54.0	-11.9	2.96 H	306	44.5	-2.4
5	4935.93	49.8 PK	74.0	-24.2	1.64 H	179	47.8	2.0
6	4935.93	40.1 AV	54.0	-13.9	1.64 H	179	38.1	2.0
7	7396.87	55.1 PK	74.0	-18.9	1.43 H	275	46.5	8.6
8	7396.87	44.6 AV	54.0	-9.4	1.43 H	275	36.0	8.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2311.75	54.3 PK	74.0	-19.7	2.02 V	80	56.3	-2.0
2	2311.75	41.5 AV	54.0	-12.5	2.02 V	80	43.5	-2.0
3	2484.23	62.2 PK	74.0	-11.8	2.02 V	80	64.6	-2.4
4	2484.23	47.6 AV	54.0	-6.4	2.02 V	80	50.0	-2.4
5	4935.93	50.8 PK	74.0	-23.2	1.83 V	144	48.8	2.0
6	4935.93	41.8 AV	54.0	-12.2	1.83 V	144	39.8	2.0
7	7396.87	56.6 PK	74.0	-17.4	1.53 V	196	48.0	8.6
8	7396.87	45.9 AV	54.0	-8.1	1.53 V	196	37.3	8.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 13	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.51	55.6 PK	74.0	-18.4	2.91 H	296	58.0	-2.4
2	2483.51	41.9 AV	54.0	-12.1	2.91 H	296	44.3	-2.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.51	65.6 PK	74.0	-8.4	2.09 V	77	68.0	-2.4
2	2483.51	47.4 AV	54.0	-6.6	2.09 V	77	49.8	-2.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

VHT40

CHANNEL	TX Channel 3	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2386.49	53.6 PK	74.0	-20.4	2.66 H	272	55.8	-2.2
2	2386.49	42.2 AV	54.0	-11.8	2.66 H	272	44.4	-2.2
3	2484.39	53.6 PK	74.0	-20.4	2.66 H	272	56.0	-2.4
4	2484.39	41.4 AV	54.0	-12.6	2.66 H	272	43.8	-2.4
5	4839.06	49.5 PK	74.0	-24.5	1.69 H	197	47.7	1.8
6	4839.06	40.2 AV	54.0	-13.8	1.69 H	197	38.4	1.8
7	7262.50	55.5 PK	74.0	-18.5	1.50 H	286	47.3	8.2
8	7262.50	44.7 AV	54.0	-9.3	1.50 H	286	36.5	8.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2386.49	59.5 PK	74.0	-14.5	2.05 V	107	61.7	-2.2
2	2386.49	46.3 AV	54.0	-7.7	2.05 V	107	48.5	-2.2
3	2484.39	58.0 PK	74.0	-16.0	2.05 V	107	60.4	-2.4
4	2484.39	44.2 AV	54.0	-9.8	2.05 V	107	46.6	-2.4
5	4839.06	50.2 PK	74.0	-23.8	1.79 V	154	48.4	1.8
6	4839.06	41.5 AV	54.0	-12.5	1.79 V	154	39.7	1.8
7	7262.50	56.7 PK	74.0	-17.3	1.52 V	221	48.5	8.2
8	7262.50	45.9 AV	54.0	-8.1	1.52 V	221	37.7	8.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 4	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2486.13	52.9 PK	74.0	-21.1	2.74 H	286	55.3	-2.4
2	2486.13	41.6 AV	54.0	-12.4	2.74 H	286	44.0	-2.4
3	2489.04	53.9 PK	74.0	-20.1	2.74 H	286	56.3	-2.4
4	2489.04	42.3 AV	54.0	-11.7	2.74 H	286	44.7	-2.4
5	4857.81	48.9 PK	74.0	-25.1	1.68 H	191	47.0	1.9
6	4857.81	39.7 AV	54.0	-14.3	1.68 H	191	37.8	1.9
7	7285.93	55.4 PK	74.0	-18.6	1.48 H	286	47.1	8.3
8	7285.93	44.6 AV	54.0	-9.4	1.48 H	286	36.3	8.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2486.13	59.3 PK	74.0	-14.7	2.03 V	112	61.7	-2.4
2	2486.13	45.5 AV	54.0	-8.5	2.03 V	112	47.9	-2.4
3	2489.04	60.4 PK	74.0	-13.6	2.03 V	112	62.8	-2.4
4	2489.04	47.2 AV	54.0	-6.8	2.03 V	112	49.6	-2.4
5	4857.81	50.4 PK	74.0	-23.6	1.85 V	145	48.5	1.9
6	4857.81	41.7 AV	54.0	-12.3	1.85 V	145	39.8	1.9
7	7285.93	57.7 PK	74.0	-16.3	1.57 V	202	49.4	8.3
8	7285.93	46.7 AV	54.0	-7.3	1.57 V	202	38.4	8.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2485.03	53.5 PK	74.0	-20.5	2.70 H	292	55.9	-2.4
2	2485.03	41.9 AV	54.0	-12.1	2.70 H	292	44.3	-2.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2485.03	62.3 PK	74.0	-11.7	2.00 V	109	64.7	-2.4
2	2485.03	46.8 AV	54.0	-7.2	2.00 V	109	49.2	-2.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 8	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2495.10	53.4 PK	74.0	-20.6	2.73 H	287	55.8	-2.4
2	2495.10	41.8 AV	54.0	-12.2	2.73 H	287	44.2	-2.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2495.10	61.8 PK	74.0	-12.2	2.03 V	120	64.2	-2.4
2	2495.10	46.3 AV	54.0	-7.7	2.03 V	120	48.7	-2.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 9	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.85	54.1 PK	74.0	-19.9	2.67 H	279	56.5	-2.4
2	2483.85	42.5 AV	54.0	-11.5	2.67 H	279	44.9	-2.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.85	63.5 PK	74.0	-10.5	2.02 V	92	65.9	-2.4
2	2483.85	48.3 AV	54.0	-5.7	2.02 V	92	50.7	-2.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 10	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.63	53.7 PK	74.0	-20.3	2.67 H	269	56.1	-2.4
2	2483.63	42.1 AV	54.0	-11.9	2.67 H	269	44.5	-2.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.63	64.3 PK	74.0	-9.7	1.98 V	92	66.7	-2.4
2	2483.63	47.2 AV	54.0	-6.8	1.98 V	92	49.6	-2.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.51	53.5 PK	74.0	-20.5	2.76 H	280	55.9	-2.4
2	2483.51	42.0 AV	54.0	-12.0	2.76 H	280	44.4	-2.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2483.51	63.8 PK	74.0	-10.2	2.00 V	95	66.2	-2.4
2	2483.51	46.9 AV	54.0	-7.1	2.00 V	95	49.3	-2.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

Appendix B – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Linkou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

--- END ---