

FCC Test Report (2.4GHz WLAN)

Report No.: RFBWIN-WTW-P21040653

FCC ID: J9C-QCNFA725

Test Model: QCNFA725

Received Date: Apr. 20, 2021

Test Date: May 22 to June 15, 2021

Issued Date: July 16, 2021

Applicant: Qualcomm Technologies, Inc.

Address: 5775 Morehouse Drive, San Diego, CA 92121-1714

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.

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

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



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Release Control Record

Issue No.	Description	Date Issued
RFBWIN-WTW-P21040653	Original release.	July 16, 2021

1 Certificate of Conformity

Product: Wi-Fi 6E BT 5.2 M.2 1418 Module

Brand: Qualcomm

Test Model: QCNFA725

Sample Status: Engineering sample

Applicant: Qualcomm Technologies, Inc.

Test Date: May 22 to June 15, 2021

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 : Phoenix Huang, **Date:** July 16, 2021
Phoenix Huang / Specialist

Approved by : Clark Lin, **Date:** July 16, 2021
Clark Lin / Technical Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247)			
FCC Clause	Test Item	Result	Remarks
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -19.42 dB at 4.25391 MHz.
15.205 / 15.209 / 15.247(d)	Radiated Emissions and Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -0.7 dB at 2483.51 MHz.
15.247(d)	Antenna Port Emission	PASS	Meet the requirement of limit.
15.247(a)(2)	6dB bandwidth	PASS	Meet the requirement of limit.
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 i-pex (MHF 4L) not a standard connector.

Note:

Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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) ($\pm$)
Conducted Emissions at mains ports	150kHz ~ 30MHz	1.9 dB
Conducted Emissions	-	2.5 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.1 dB
	30MHz ~ 1GHz	5.5 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	5.1 dB
	18GHz ~ 40GHz	5.3 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT (2.4GHz WLAN)

Product	Wi-Fi 6E BT 5.2 M.2 1418 Module
Brand	Qualcomm
Test Model	QCNFA725
Status of EUT	Engineering sample
Power Supply Rating	3.3Vdc from host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDM in VHT20/40 mode 4096QAM for OFDMA in 11ax HE mode
Modulation Technology	DSSS, OFDM, OFDMA
Transfer Rate	802.11b: up to 11Mbps 802.11g: up to 54Mbps 802.11n: up to 300Mbps VHT20/40: up to 500Mbps 802.11ax: up to 709.1Mbps
Operating Frequency	2.412 ~ 2.472GHz
Number of Channel	802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20): 13 802.11n (HT40), VHT40, 802.11ax (HE40): 9
Output Power	610.372 mW
Antenna Type	Refer to section 3.2
Antenna Connector	Refer to section 3.2
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. This device of WLAN (2.4GHz & 5GHz U-NII-1 Band) can support hotspot mode.
2. Simultaneously transmission condition.

Condition	Technology	
1	WLAN(2.4GHz)	WLAN(6GHz)
2	WLAN(2.4GHz)	WLAN(5GHz)
3	WLAN(6GHz)	Bluetooth
4	WLAN(5GHz)	Bluetooth

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

3. The device of WLAN (2.4GHz) and Bluetooth technology can't transmit simultaneously, it was used timely shared coexistence technology.

4. The EUT incorporates a MIMO function:

2.4GHz Band		
MODULATION MODE	TX & RX CONFIGURATION	
802.11b	2TX	2RX
802.11g	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
VHT20	2TX	2RX
VHT40	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (RU26/52/106/242/484)	2TX	2RX
5GHz Band		
MODULATION MODE	TX & RX CONFIGURATION	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11ax (RU26/52/106/242/484/996/1992)	2TX	2RX

Note:

1. The EUT support Beamforming and non-beamforming mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data (Beamforming mode) were presented in test report.
2. The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz), VHT mode for 20MHz (40MHz) and 802.11ax mode for 20MHz (40MHz), therefore the manufacturer will control the power for 802.11n/VHT mode is the same as the 802.11ax mode or more lower than it and investigated worst case to representative mode in test report. (Final test mode refer to section 3.3.1)

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

3.2 Description of Antenna

The antenna gain was declared by client; please refer to the following table:

Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length
1	Chain0/1	HONGBO	260-25094	3.53	2.4~2.4835 GHz	0.76	PIFA	i-pex(MHF 4L)	300mm
				3.06	5.15~5.25 GHz	1.16			
				3.07	5.25~5.35 GHz	1.18			
				4.81	5.47~5.725 GHz	1.2			
				4.2	5.725~5.850 GHz	1.27			
2	Chain0/1	HONGBO	260-25083	5.09	5.850~5.895 GHz	1.29	PIFA	i-pex(MHF 4L)	300mm
				5.14	5.925~6.425 GHz	1.32			
				5.09	6.425~6.525 GHz	1.35			
				5.16	6.525~6.875 GHz	1.4			
				5.12	6.875~7.125 GHz	1.45			
3	Chain0/1	HONGBO	260-25084	3.22	2.4~2.4835 GHz	0.5	Monopole	i-pex(MHF 4L)	200mm
				3.35	5.150~5.250 GHz	0.76			
				3.42	5.250~5.350 GHz	0.78			
				4.77	5.470~5.725 GHz	0.81			
				4.72	5.725~5.850 GHz	0.85			
				4.71	5.850~5.895 GHz	0.86			
				4.75	5.925~6.425 GHz	0.87			
				4.29	6.425~6.525 GHz	0.91			
				4.81	6.525~6.875 GHz	0.96			
				4.74	6.875~7.125 GHz	0.98			

Note: The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3.3 Description of Test Modes

13 channels are provided for 802.11b, 802.11g, 802.11n (HT20), VHT20 and 802.11ax (HE20):

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

9 channels are provided for 802.11n (HT40), VHT40 and 802.11ax (HE40):

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

3.3.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
-	√	√	√	√	-

Where **RE≥1G**: Radiated Emission above 1GHz & Bandedge Measurement
RE<1G: Radiated Emission below 1GHz
PLC: Power Line Conducted Emission
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, RU configurations and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.


 Following channel(s) was/were selected for the final test as noted below:

Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter	RU Configuration	
802.11b	1 to 13	1, 6, 11, 12, 13	DSSS	DBPSK	1Mb/s	-	
802.11g	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	BPSK	6Mb/s	-	
802.11ax (HE20)	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	BPSK	MCS0	-	
802.11ax (HE40)	3 to 11	3, 4, 6, 8, 9, 10, 11	OFDM	BPSK	MCS0	-	
Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter	RU Configuration	
						RU26	RU242
20MHz Preamble	1 to 13	1	OFDMA	BPSK	MCS0	26/0	242/61
		2					
		6					
		10					
		11					
		12					
		13					
Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter	RU Configuration	
40MHz Preamble	3 to 11	3	OFDMA	BPSK	MCS0	484/65	
		4					
		6					
		8					
		9					
		10					
		11					

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, RU configurations 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	Modulation Type	Data Rate Parameter	RU Configuration
802.11g	1 to 13	6	OFDM	BPSK	6Mb/s	-

Power Line Conducted Emission Test:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, RU configurations 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	Modulation Type	Data Rate Parameter	RU Configuration
802.11g	1 to 13	6	OFDM	BPSK	6Mb/s	-

Antenna Port Conducted Measurement:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, RU configurations 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	Modulation Type	Data Rate Parameter	RU Configuration			
802.11b	1 to 13	1, 6, 11, 12, 13	DSSS	DBPSK	1Mb/s	-			
802.11g	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	BPSK	6Mb/s	-			
VHT20 (Output power only)	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	BPSK	MCS0	-			
VHT40 (Output power only)	3 to 11	3, 4, 6, 8, 9, 10, 11	OFDM	BPSK	MCS0	-			
802.11ax (HE20)	1 to 13	1, 2, 6, 10, 11, 12, 13	OFDM	BPSK	MCS0	-			
802.11ax (HE40)	3 to 11	3, 4, 6, 8, 9, 10, 11	OFDM	BPSK	MCS0	-			
Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter	RU Configuration			
						RU26	RU52	RU106	RU242
20MHz Preamble	1 to 13	1	OFDMA	BPSK	MCS0	26/0	52/37	106/53	242/61
		2				26/0	52/37	106/53	
		6				26/4	52/38	106/53	
		10				26/8	52/40	106/54	
		11				26/8	52/40	106/54	
		12				26/8	52/40	106/54	
		13				26/8	52/40	106/54	
Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter	RU Configuration			
						RU484			
40MHz Preamble	3 to 11	3, 4, 6, 8, 9, 10, 11	OFDMA	BPSK	MCS0	484/65			

Test Condition:

Applicable To	Environmental Conditions	Input Power (System)	Tested By
RE $\geq$ 1G	25deg. C, 75%RH	120Vac, 60Hz	Carter Lin
RE<1G	24deg. C, 65%RH	120Vac, 60Hz	Carter Lin
PLC	25deg. C, 75%RH	120Vac, 60Hz	Carter Lin
APCM	25deg. C, 60%RH	120Vac, 60Hz	Eric Peng

3.4 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 = $1.376 \text{ ms} / 1.874 \text{ ms} = 0.734$, Duty factor = $10 * \log (1/\text{Duty cycle}) = 1.34 \text{ dB}$

802.11g: Duty cycle = $1.971 \text{ ms} / 1.993 \text{ ms} = 0.989$

VHT20: Duty cycle = $5.345 \text{ ms} / 5.367 \text{ ms} = 0.996$

VHT40: Duty cycle = $5.412 \text{ ms} / 5.432 \text{ ms} = 0.996$

802.11ax (HE20): Duty cycle = $5.345 \text{ ms} / 5.367 \text{ ms} = 0.996$

802.11ax (HE40): Duty cycle = $5.412 \text{ ms} / 5.432 \text{ ms} = 0.996$

20MHz Preamble (RU26): Duty cycle = $5.1 \text{ ms} / 5.127 \text{ ms} = 0.995$

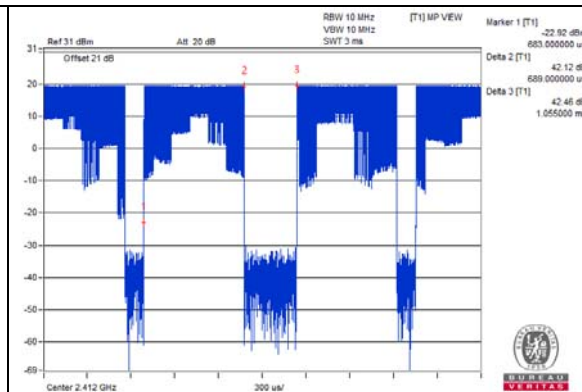
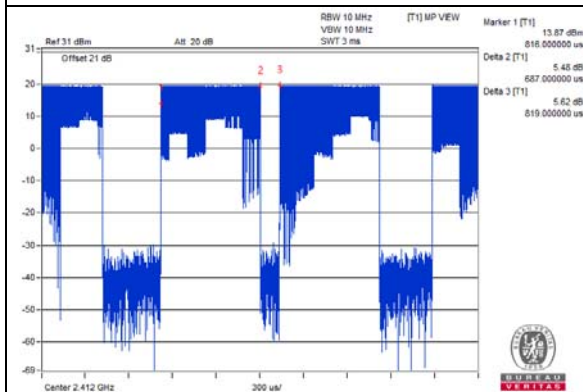
20MHz Preamble (RU52): Duty cycle = $5.11 \text{ ms} / 5.137 \text{ ms} = 0.995$

20MHz Preamble (RU106): Duty cycle = $4.849 \text{ ms} / 4.876 \text{ ms} = 0.994$

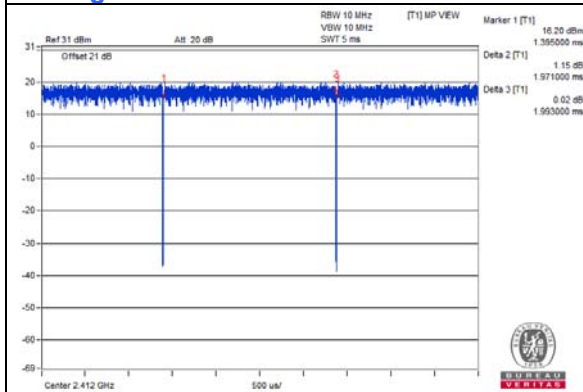
20MHz Preamble (RU242): Duty cycle = $4.665 \text{ ms} / 4.692 \text{ ms} = 0.994$

40MHz Preamble (RU484): Duty cycle = $4.656 \text{ ms} / 4.689 \text{ ms} = 0.993$

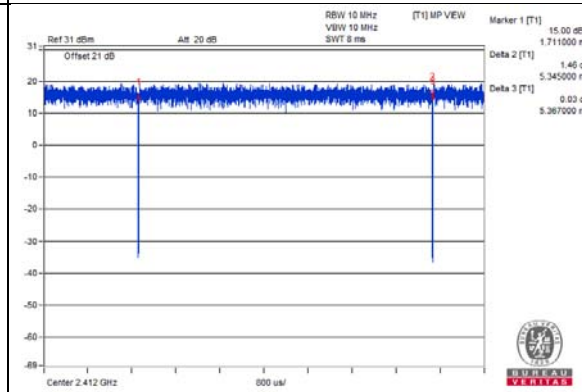
802.11b



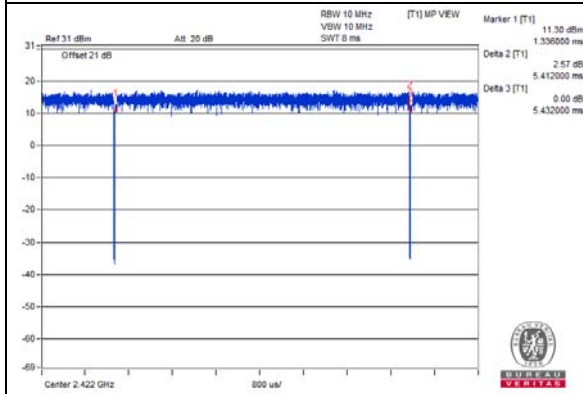
802.11g



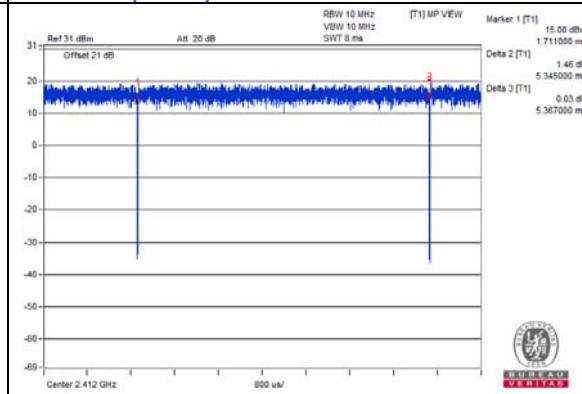
VHT20



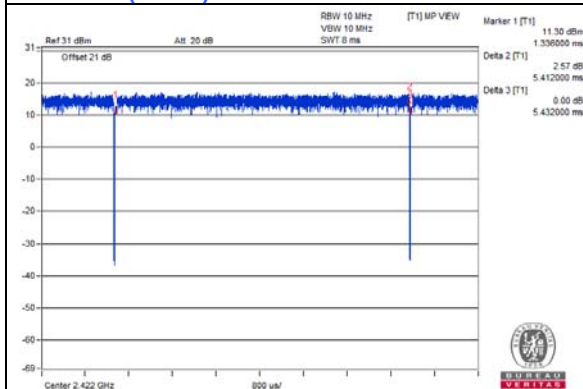
VHT40



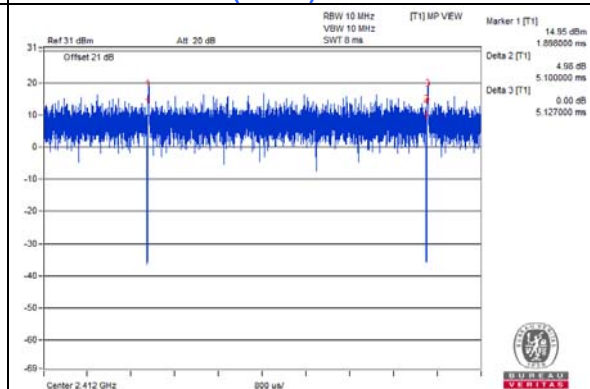
802.11ax (HE20)



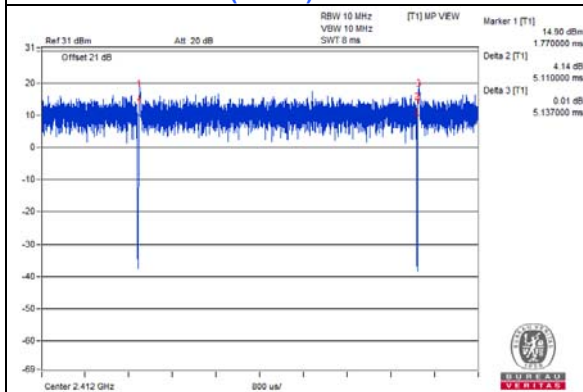
802.11ax (HE40)



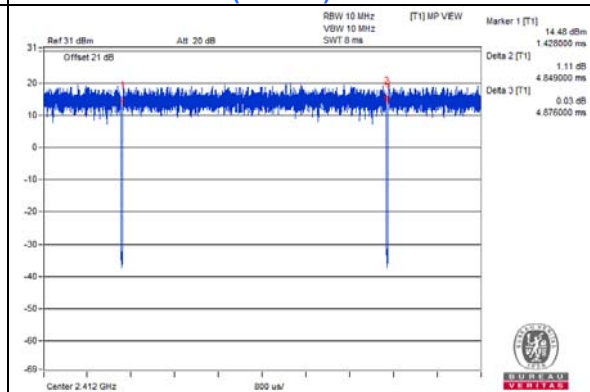
20MHz Preamble (RU26)



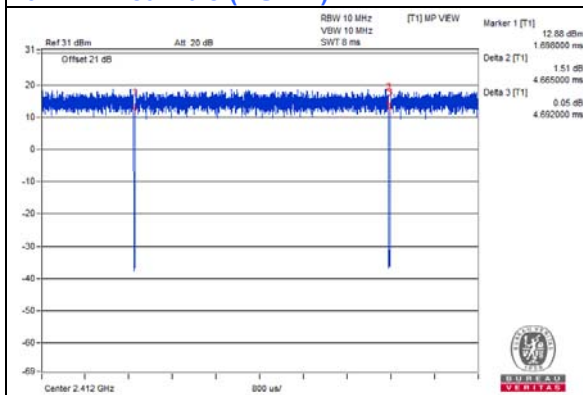
20MHz Preamble (RU52)



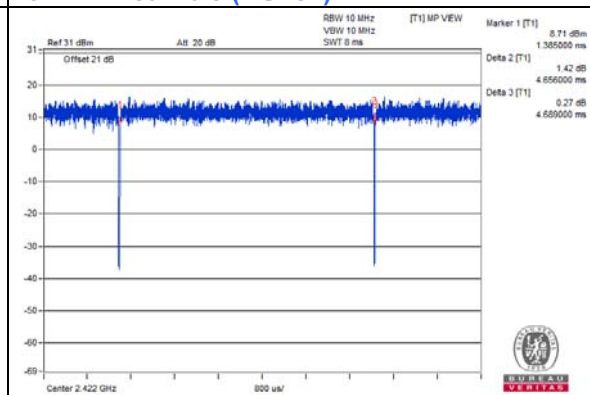
20MHz Preamble (RU106)



20MHz Preamble (RU242)



40MHz Preamble (RU484)



3.5 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.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Laptop	Dell	E5420	6FGHKV1	NA	Provided by Lab
B.	Test Tool	Qualcomm	Y6570	NA	NA	Supplied by client
C.	Adapter	PHIHONG	PSAA12A-120L6	NA	NA	Supplied by client

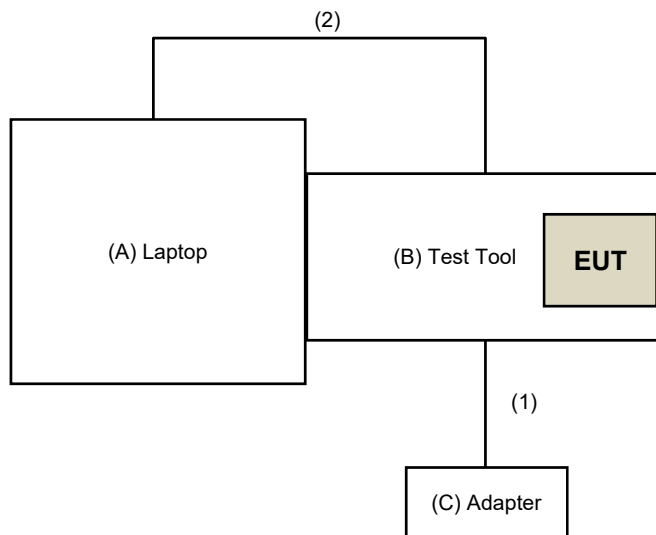
Note:

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

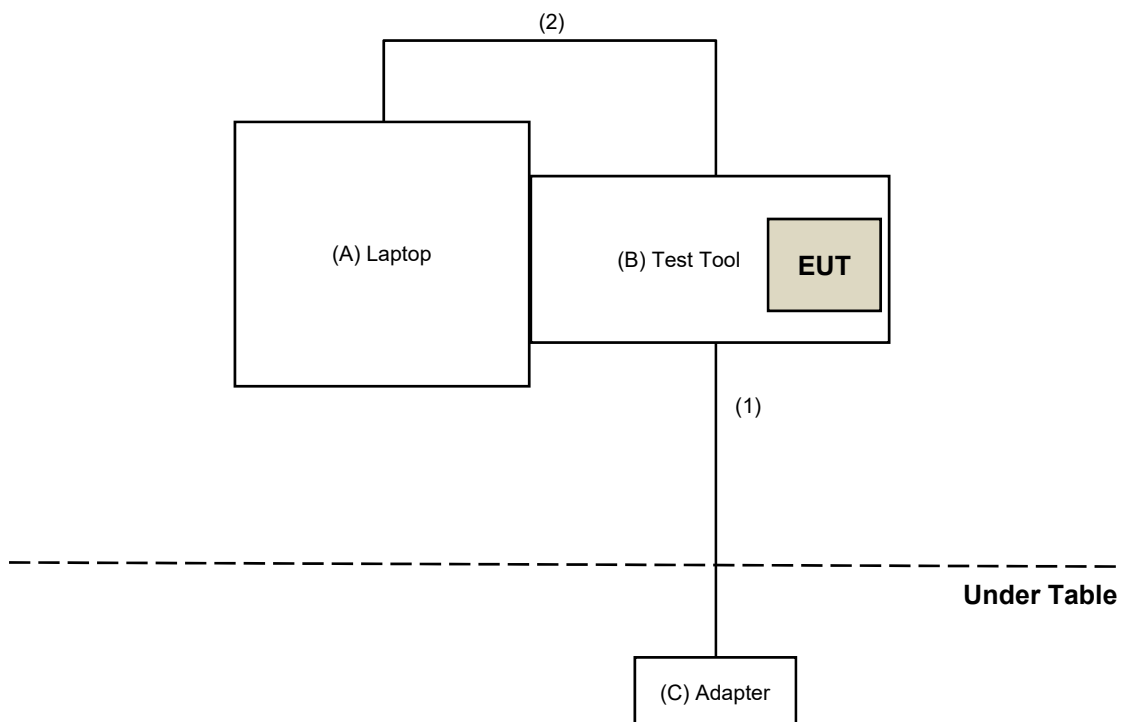
ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC Cable	1	1.2	No	0	Supplied by client
2.	USB Cable	1	0.6	Yes	0	Provided by Lab

3.5.1 Configuration of System under Test

For Conducted Emissions test:



For other test:



3.6 General Description of Applied Standards and References

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

Test Standard:

FCC Part 15, Subpart C (15.247)

ANSI C63.10-2013

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

References Test Guidance:

KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

All test items have been performed as a reference to the above KDB test guidance.

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

For Radiated Emission (Above 1GHz) of RU mode test: For Conducted Emission test

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY51210202	Dec. 01, 2020	Nov. 30, 2021
Pre-Amplifier EMCI	EMC001340	980142	May 24, 2021	May 23, 2022
Loop Antenna Electro-Metrics	EM-6879	264	Mar. 05, 2021	Mar. 04, 2022
RF Cable	5D-FB	LOOPCAB-001	Jan. 07, 2021	Jan. 06, 2022
RF Cable	5D-FB	LOOPCAB-002	Jan. 07, 2021	Jan. 06, 2022
Pre-Amplifier EMCI	EMC330N	980701	Mar. 10, 2021	Mar. 09, 2022
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-406	Nov. 06, 2020	Nov. 05, 2021
RF Cable	8D	966-4-1	Mar. 17, 2021	Mar. 16, 2022
RF Cable	8D	966-4-2	Mar. 17, 2021	Mar. 16, 2022
RF Cable	8D	966-4-3	Mar. 17, 2021	Mar. 16, 2022
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	Jan. 11, 2021	Jan. 10, 2022
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Nov. 22, 2020	Nov. 21, 2021
Pre-Amplifier EMCI	EMC 12630 SE	980638	Apr. 07, 2021	Apr. 06, 2022
RF Cable	EMC104-SM-SM-1200	160922	Dec. 25, 2020	Dec. 24, 2021
RF Cable	EMC104-SM-SM-2000	180502	Apr. 26, 2021	Apr. 25, 2022
RF Cable	EMC104-SM-SM-6000	180418	Apr. 26, 2021	Apr. 25, 2022
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 11, 2021	Jan. 10, 2022
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170519	Nov. 22, 2020	Nov. 21, 2021
RF Cable	EMC102-KM-KM-1200	160924	Jan. 11, 2021	Jan. 10, 2022
RF Cable	EMC-KM-KM-4000	200214	Mar. 10, 2021	Mar. 09, 2022
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. Tested Date: May 29 to June 15, 2021

For Radiated Emission of Legacy mode test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY51210202	Dec. 01, 2020	Nov. 30, 2021
Pre-Amplifier EMCI	EMC001340	980142	May 25, 2020	May 24, 2021
Loop Antenna Electro-Metrics	EM-6879	264	Mar. 05, 2021	Mar. 04, 2022
RF Cable	5D-FB	LOOPCAB-001	Jan. 07, 2021	Jan. 06, 2022
RF Cable	5D-FB	LOOPCAB-002	Jan. 07, 2021	Jan. 06, 2022
Pre-Amplifier EMCI	EMC330N	980701	Mar. 10, 2021	Mar. 09, 2022
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-406	Nov. 06, 2020	Nov. 05, 2021
RF Cable	8D	966-4-1	Mar. 17, 2021	Mar. 16, 2022
RF Cable	8D	966-4-2	Mar. 17, 2021	Mar. 16, 2022
RF Cable	8D	966-4-3	Mar. 17, 2021	Mar. 16, 2022
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	Jan. 11, 2021	Jan. 10, 2022
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Nov. 22, 2020	Nov. 21, 2021
Pre-Amplifier EMCI	EMC 12630 SE	980638	Apr. 07, 2021	Apr. 06, 2022
RF Cable	EMC104-SM-SM-1200	160922	Dec. 25, 2020	Dec. 24, 2021
RF Cable	EMC104-SM-SM-2000	180502	Apr. 26, 2021	Apr. 25, 2022
RF Cable	EMC104-SM-SM-6000	180418	Apr. 26, 2021	Apr. 25, 2022
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 11, 2021	Jan. 10, 2022
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170519	Nov. 22, 2020	Nov. 21, 2021
RF Cable	EMC102-KM-KM-1200	160924	Jan. 11, 2021	Jan. 10, 2022
RF Cable	EMC-KM-KM-4000	200214	Mar. 10, 2021	Mar. 09, 2022
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. Tested Date: May 22, 2021

For other test items:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	101516	Mar. 08, 2021	Mar. 07, 2022
Power meter Anritsu	ML2495A	1529002	July 22, 2020	July 21, 2021
Power sensor Anritsu	MA2411B	1339443	July 22, 2020	July 21, 2021
10dB Attenuator Woken	MDCS18N-10	MDCS18N-10-01	Apr. 13, 2021	Apr. 12, 2022
Software	ADT_RF Test Software V6.6.5.4	NA	NA	NA

- NOTE:**
1. The test was performed in Oven room 2.
 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 3. Tested Date: June 15, 2021

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 was 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)
- e. For all of Radiation emission test

For Radiated emission below 30MHz

- e-1.1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- e-1.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- e-1.3. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- e-1.4. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e-1.5. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.
2. KDB 414788 OATS and Chamber Correlation Justification
 - Based on FCC 15.31(f)(2) : measurements may be performed at a distance closer than that specified in the regulations; however, an attempts should be made to avoid making measurements in the near field.
 - OATs and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

For Radiated emission above 30MHz

- e-2.1. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 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.
- e-2.2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- e-2.3. 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.
- e-2.4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e-2.5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- e-2.6. 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:

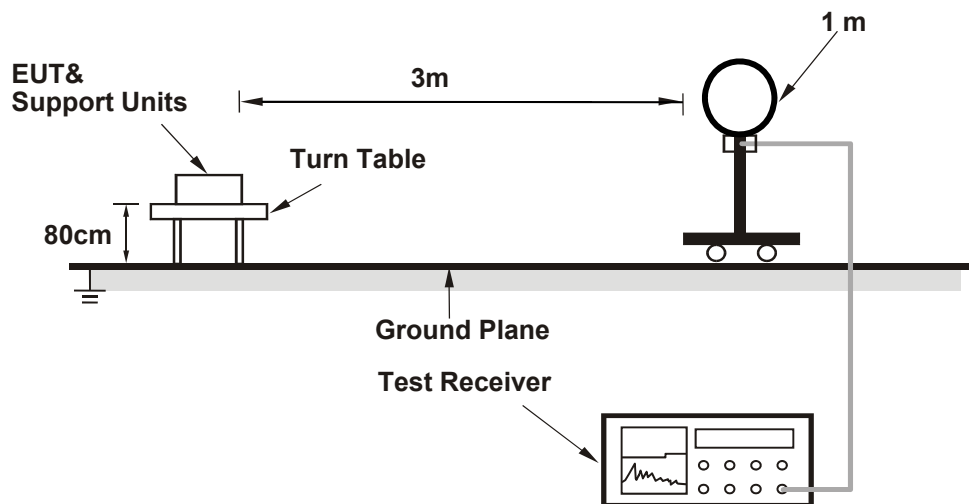
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. 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.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

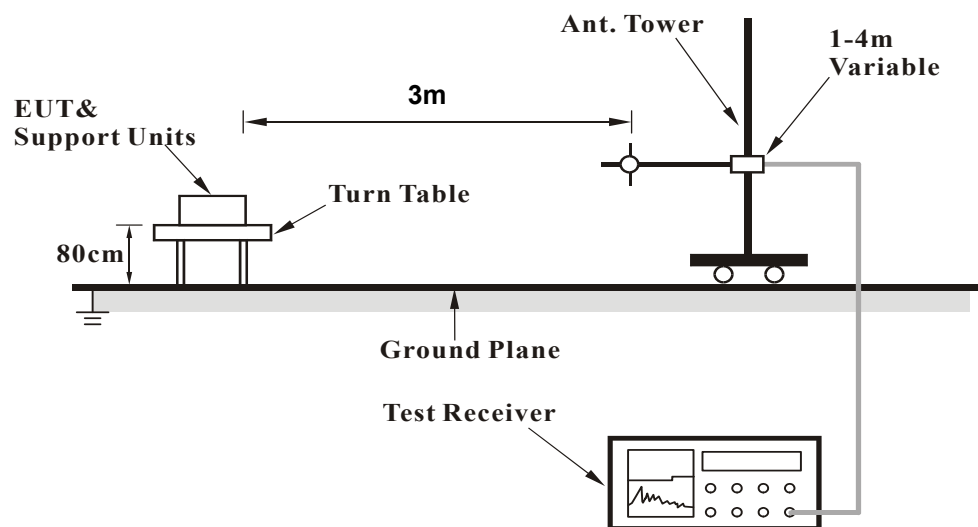
No deviation.

4.1.5 Test Setup

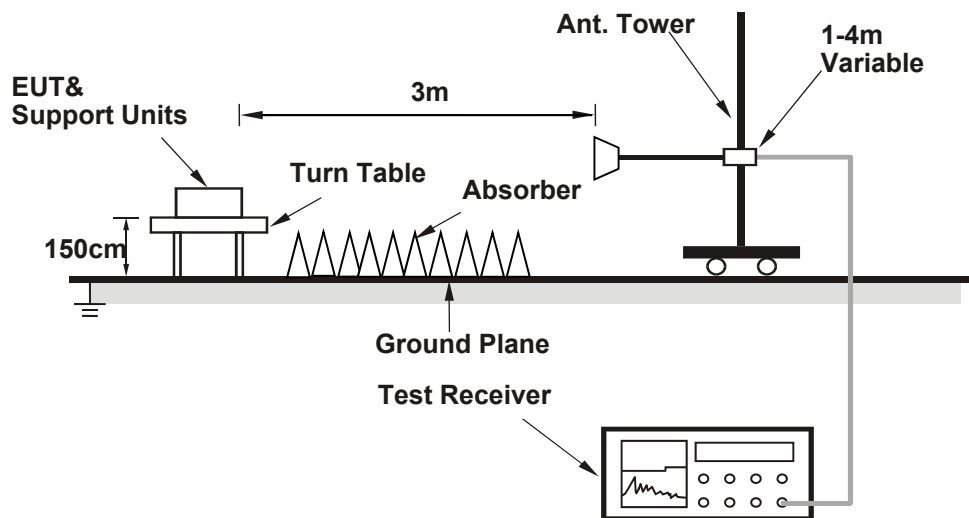
**For Radiated Configuration:
For Radiated emission below 30MHz**



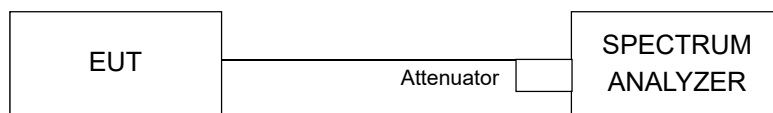
For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



For Conducted Configuration:



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

4.1.6 EUT Operating Conditions

- Connected the EUT with the Laptop which is placed on the testing table.
- Controlling software (QRCT 4.0.00177.0) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

4.1.7 Test Results (Radiated 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).	

Radiated test was done with 50ohm terminator on antenna port

Above 1GHz Data:

RF Mode	TX 802.11b	Channel	CH 1 : 2412 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4824.00	41.6 PK	74.0	-32.4	1.94 H	217	41.1	0.5
2	4824.00	28.6 AV	54.0	-25.4	1.94 H	217	28.1	0.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4824.00	41.6 PK	74.0	-32.4	1.77 V	189	41.1	0.5
2	4824.00	28.5 AV	54.0	-25.5	1.77 V	189	28.0	0.5

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11b	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	40.8 PK	74.0	-33.2	1.97 H	205	40.3	0.5
2	4874.00	28.3 AV	54.0	-25.7	1.97 H	205	27.8	0.5
3	7311.00	44.3 PK	74.0	-29.7	2.49 H	360	37.5	6.8
4	7311.00	31.9 AV	54.0	-22.1	2.49 H	360	25.1	6.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	40.7 PK	74.0	-33.3	1.74 V	199	40.2	0.5
2	4874.00	28.7 AV	54.0	-25.3	1.74 V	199	28.2	0.5
3	7311.00	44.5 PK	74.0	-29.5	2.19 V	83	37.7	6.8
4	7311.00	32.0 AV	54.0	-22.0	2.19 V	83	25.2	6.8

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11b	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	40.5 PK	74.0	-33.5	1.97 H	216	39.8	0.7
2	4924.00	28.3 AV	54.0	-25.7	1.97 H	216	27.6	0.7
3	7386.00	43.7 PK	74.0	-30.3	2.52 H	360	36.5	7.2
4	7386.00	31.6 AV	54.0	-22.4	2.52 H	360	24.4	7.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	40.9 PK	74.0	-33.1	1.74 V	208	40.2	0.7
2	4924.00	28.7 AV	54.0	-25.3	1.74 V	208	28.0	0.7
3	7386.00	44.5 PK	74.0	-29.5	2.15 V	59	37.3	7.2
4	7386.00	32.1 AV	54.0	-21.9	2.15 V	59	24.9	7.2

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11b	Channel	CH 12 : 2467 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4934.00	41.1 PK	74.0	-32.9	1.98 H	190	40.3	0.8
2	4934.00	28.3 AV	54.0	-25.7	1.98 H	190	27.5	0.8
3	7401.00	43.9 PK	74.0	-30.1	2.48 H	360	36.6	7.3
4	7401.00	31.5 AV	54.0	-22.5	2.48 H	360	24.2	7.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4934.00	40.4 PK	74.0	-33.6	1.75 V	207	39.6	0.8
2	4934.00	28.1 AV	54.0	-25.9	1.75 V	207	27.3	0.8
3	7401.00	45.4 PK	74.0	-28.6	2.10 V	72	38.1	7.3
4	7401.00	32.8 AV	54.0	-21.2	2.10 V	72	25.5	7.3

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11b	Channel	CH 13 : 2472 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4944.00	40.2 PK	74.0	-33.8	2.01 H	203	39.4	0.8
2	4944.00	27.8 AV	54.0	-26.2	2.01 H	203	27.0	0.8
3	7416.00	44.4 PK	74.0	-29.6	2.48 H	356	37.1	7.3
4	7416.00	31.9 AV	54.0	-22.1	2.48 H	356	24.6	7.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4944.00	40.6 PK	74.0	-33.4	1.81 V	180	39.8	0.8
2	4944.00	28.7 AV	54.0	-25.3	1.81 V	180	27.9	0.8
3	7416.00	44.4 PK	74.0	-29.6	2.09 V	86	37.1	7.3
4	7416.00	32.1 AV	54.0	-21.9	2.09 V	86	24.8	7.3

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11g	Channel	CH 1 : 2412 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4824.00	41.2 PK	74.0	-32.8	1.91 H	191	40.7	0.5
2	4824.00	28.1 AV	54.0	-25.9	1.91 H	191	27.6	0.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4824.00	41.2 PK	74.0	-32.8	1.78 V	181	40.7	0.5
2	4824.00	27.7 AV	54.0	-26.3	1.78 V	181	27.2	0.5

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11g	Channel	CH 2 : 2417 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4834.00	40.4 PK	74.0	-33.6	1.93 H	195	39.8	0.6
2	4834.00	28.0 AV	54.0	-26.0	1.93 H	195	27.4	0.6
3	7251.00	43.8 PK	74.0	-30.2	2.49 H	360	37.1	6.7
4	7251.00	31.6 AV	54.0	-22.4	2.49 H	360	24.9	6.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4834.00	40.1 PK	74.0	-33.9	1.81 V	186	39.5	0.6
2	4834.00	28.1 AV	54.0	-25.9	1.81 V	186	27.5	0.6
3	7251.00	44.9 PK	74.0	-29.1	2.17 V	81	38.2	6.7
4	7251.00	32.4 AV	54.0	-21.6	2.17 V	81	25.7	6.7

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	40.5 PK	74.0	-33.5	1.99 H	199	40.0	0.5
2	4874.00	28.0 AV	54.0	-26.0	1.99 H	199	27.5	0.5
3	7311.00	44.3 PK	74.0	-29.7	2.51 H	350	37.5	6.8
4	7311.00	31.7 AV	54.0	-22.3	2.51 H	350	24.9	6.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	40.4 PK	74.0	-33.6	1.76 V	192	39.9	0.5
2	4874.00	28.5 AV	54.0	-25.5	1.76 V	192	28.0	0.5
3	7311.00	44.3 PK	74.0	-29.7	2.09 V	72	37.5	6.8
4	7311.00	31.8 AV	54.0	-22.2	2.09 V	72	25.0	6.8

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11g	Channel	CH 10 : 2457 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	41.1 PK	74.0	-32.9	1.98 H	216	40.4	0.7
2	4914.00	28.4 AV	54.0	-25.6	1.98 H	216	27.7	0.7
3	7371.00	44.8 PK	74.0	-29.2	2.47 H	360	37.7	7.1
4	7371.00	32.4 AV	54.0	-21.6	2.47 H	360	25.3	7.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	41.0 PK	74.0	-33.0	1.78 V	194	40.3	0.7
2	4914.00	28.9 AV	54.0	-25.1	1.78 V	194	28.2	0.7
3	7371.00	44.6 PK	74.0	-29.4	2.11 V	63	37.5	7.1
4	7371.00	32.4 AV	54.0	-21.6	2.11 V	63	25.3	7.1

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11g	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	41.6 PK	74.0	-32.4	1.87 H	201	40.9	0.7
2	4924.00	29.2 AV	54.0	-24.8	1.87 H	201	28.5	0.7
3	7386.00	44.2 PK	74.0	-29.8	2.52 H	360	37.0	7.2
4	7386.00	31.8 AV	54.0	-22.2	2.52 H	360	24.6	7.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	41.0 PK	74.0	-33.0	1.80 V	203	40.3	0.7
2	4924.00	28.7 AV	54.0	-25.3	1.80 V	203	28.0	0.7
3	7386.00	44.8 PK	74.0	-29.2	2.15 V	64	37.6	7.2
4	7386.00	32.4 AV	54.0	-21.6	2.15 V	64	25.2	7.2

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11g	Channel	CH 12 : 2467 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4934.00	41.2 PK	74.0	-32.8	1.92 H	197	40.4	0.8
2	4934.00	28.7 AV	54.0	-25.3	1.92 H	197	27.9	0.8
3	7401.00	44.1 PK	74.0	-29.9	2.54 H	348	36.8	7.3
4	7401.00	31.5 AV	54.0	-22.5	2.54 H	348	24.2	7.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4934.00	40.5 PK	74.0	-33.5	1.78 V	192	39.7	0.8
2	4934.00	28.5 AV	54.0	-25.5	1.78 V	192	27.7	0.8
3	7401.00	45.2 PK	74.0	-28.8	2.08 V	63	37.9	7.3
4	7401.00	32.7 AV	54.0	-21.3	2.08 V	63	25.4	7.3

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11g	Channel	CH 13 : 2472 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4944.00	40.4 PK	74.0	-33.6	2.00 H	221	39.6	0.8
2	4944.00	27.9 AV	54.0	-26.1	2.00 H	221	27.1	0.8
3	7416.00	44.4 PK	74.0	-29.6	2.54 H	354	37.1	7.3
4	7416.00	32.3 AV	54.0	-21.7	2.54 H	354	25.0	7.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4944.00	40.3 PK	74.0	-33.7	1.74 V	206	39.5	0.8
2	4944.00	28.1 AV	54.0	-25.9	1.74 V	206	27.3	0.8
3	7416.00	44.5 PK	74.0	-29.5	2.12 V	60	37.2	7.3
4	7416.00	32.2 AV	54.0	-21.8	2.12 V	60	24.9	7.3

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE20)	Channel	CH 1 : 2412 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4824.00	41.1 PK	74.0	-32.9	1.87 H	201	40.6	0.5
2	4824.00	28.4 AV	54.0	-25.6	1.87 H	201	27.9	0.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4824.00	40.8 PK	74.0	-33.2	1.72 V	174	40.3	0.5
2	4824.00	27.7 AV	54.0	-26.3	1.72 V	174	27.2	0.5

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE20)	Channel	CH 2 : 2417 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4834.00	40.3 PK	74.0	-33.7	2.02 H	209	39.7	0.6
2	4834.00	28.1 AV	54.0	-25.9	2.02 H	209	27.5	0.6
3	7251.00	44.7 PK	74.0	-29.3	2.45 H	360	38.0	6.7
4	7251.00	32.4 AV	54.0	-21.6	2.45 H	360	25.7	6.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4834.00	40.1 PK	74.0	-33.9	1.77 V	208	39.5	0.6
2	4834.00	28.1 AV	54.0	-25.9	1.77 V	208	27.5	0.6
3	7251.00	44.5 PK	74.0	-29.5	2.19 V	90	37.8	6.7
4	7251.00	31.9 AV	54.0	-22.1	2.19 V	90	25.2	6.7

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE20)	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	41.6 PK	74.0	-32.4	2.02 H	216	41.1	0.5
2	4874.00	28.8 AV	54.0	-25.2	2.02 H	216	28.3	0.5
3	7311.00	44.2 PK	74.0	-29.8	2.45 H	347	37.4	6.8
4	7311.00	31.9 AV	54.0	-22.1	2.45 H	347	25.1	6.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	40.8 PK	74.0	-33.2	1.75 V	187	40.3	0.5
2	4874.00	28.6 AV	54.0	-25.4	1.75 V	187	28.1	0.5
3	7311.00	44.9 PK	74.0	-29.1	2.14 V	82	38.1	6.8
4	7311.00	32.6 AV	54.0	-21.4	2.14 V	82	25.8	6.8

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE20)	Channel	CH 10 : 2457 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	40.3 PK	74.0	-33.7	1.92 H	193	39.6	0.7
2	4914.00	28.0 AV	54.0	-26.0	1.92 H	193	27.3	0.7
3	7371.00	44.9 PK	74.0	-29.1	2.50 H	356	37.8	7.1
4	7371.00	32.3 AV	54.0	-21.7	2.50 H	356	25.2	7.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	40.2 PK	74.0	-33.8	1.71 V	184	39.5	0.7
2	4914.00	28.2 AV	54.0	-25.8	1.71 V	184	27.5	0.7
3	7371.00	45.5 PK	74.0	-28.5	2.13 V	60	38.4	7.1
4	7371.00	32.7 AV	54.0	-21.3	2.13 V	60	25.6	7.1

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE20)	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	40.5 PK	74.0	-33.5	1.99 H	208	39.8	0.7
2	4924.00	28.2 AV	54.0	-25.8	1.99 H	208	27.5	0.7
3	7386.00	44.8 PK	74.0	-29.2	2.52 H	360	37.6	7.2
4	7386.00	32.3 AV	54.0	-21.7	2.52 H	360	25.1	7.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	40.4 PK	74.0	-33.6	1.81 V	203	39.7	0.7
2	4924.00	28.3 AV	54.0	-25.7	1.81 V	203	27.6	0.7
3	7386.00	45.4 PK	74.0	-28.6	2.16 V	69	38.2	7.2
4	7386.00	32.7 AV	54.0	-21.3	2.16 V	69	25.5	7.2

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE20)	Channel	CH 12 : 2467 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4934.00	40.5 PK	74.0	-33.5	1.97 H	199	39.7	0.8
2	4934.00	28.2 AV	54.0	-25.8	1.97 H	199	27.4	0.8
3	7401.00	44.6 PK	74.0	-29.4	2.43 H	360	37.3	7.3
4	7401.00	32.0 AV	54.0	-22.0	2.43 H	360	24.7	7.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4934.00	40.6 PK	74.0	-33.4	1.81 V	182	39.8	0.8
2	4934.00	28.3 AV	54.0	-25.7	1.81 V	182	27.5	0.8
3	7401.00	44.7 PK	74.0	-29.3	2.15 V	90	37.4	7.3
4	7401.00	32.1 AV	54.0	-21.9	2.15 V	90	24.8	7.3

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE20)	Channel	CH 13 : 2472 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4944.00	41.3 PK	74.0	-32.7	1.92 H	208	40.5	0.8
2	4944.00	28.8 AV	54.0	-25.2	1.92 H	208	28.0	0.8
3	7416.00	44.8 PK	74.0	-29.2	2.53 H	359	37.5	7.3
4	7416.00	31.8 AV	54.0	-22.2	2.53 H	359	24.5	7.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4944.00	41.4 PK	74.0	-32.6	1.78 V	179	40.6	0.8
2	4944.00	29.0 AV	54.0	-25.0	1.78 V	179	28.2	0.8
3	7416.00	44.9 PK	74.0	-29.1	2.15 V	95	37.6	7.3
4	7416.00	32.4 AV	54.0	-21.6	2.15 V	95	25.1	7.3

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE40)	Channel	CH 3 : 2422 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4844.00	41.2 PK	74.0	-32.8	1.96 H	219	40.7	0.5
2	4844.00	28.7 AV	54.0	-25.3	1.96 H	219	28.2	0.5
3	7266.00	44.0 PK	74.0	-30.0	2.49 H	360	37.3	6.7
4	7266.00	31.5 AV	54.0	-22.5	2.49 H	360	24.8	6.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4844.00	40.1 PK	74.0	-33.9	1.83 V	186	39.6	0.5
2	4844.00	28.1 AV	54.0	-25.9	1.83 V	186	27.6	0.5
3	7266.00	44.8 PK	74.0	-29.2	2.09 V	75	38.1	6.7
4	7266.00	32.3 AV	54.0	-21.7	2.09 V	75	25.6	6.7

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE40)	Channel	CH 4 : 2427 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4854.00	40.7 PK	74.0	-33.3	1.97 H	209	40.2	0.5
2	4854.00	28.0 AV	54.0	-26.0	1.97 H	209	27.5	0.5
3	7281.00	44.0 PK	74.0	-30.0	2.54 H	360	37.3	6.7
4	7281.00	31.6 AV	54.0	-22.4	2.54 H	360	24.9	6.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4854.00	41.0 PK	74.0	-33.0	1.75 V	195	40.5	0.5
2	4854.00	28.5 AV	54.0	-25.5	1.75 V	195	28.0	0.5
3	7281.00	44.7 PK	74.0	-29.3	2.16 V	70	38.0	6.7
4	7281.00	32.3 AV	54.0	-21.7	2.16 V	70	25.6	6.7

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE40)	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	40.6 PK	74.0	-33.4	1.95 H	201	40.1	0.5
2	4874.00	28.3 AV	54.0	-25.7	1.95 H	201	27.8	0.5
3	7311.00	44.0 PK	74.0	-30.0	2.54 H	360	37.2	6.8
4	7311.00	31.5 AV	54.0	-22.5	2.54 H	360	24.7	6.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	40.5 PK	74.0	-33.5	1.79 V	184	40.0	0.5
2	4874.00	28.2 AV	54.0	-25.8	1.79 V	184	27.7	0.5
3	7311.00	44.3 PK	74.0	-29.7	2.18 V	78	37.5	6.8
4	7311.00	31.9 AV	54.0	-22.1	2.18 V	78	25.1	6.8

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE40)	Channel	CH 8 : 2447 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4894.00	40.3 PK	74.0	-33.7	1.96 H	209	39.7	0.6
2	4894.00	27.8 AV	54.0	-26.2	1.96 H	209	27.2	0.6
3	7341.00	44.5 PK	74.0	-29.5	2.53 H	360	37.6	6.9
4	7341.00	31.8 AV	54.0	-22.2	2.53 H	360	24.9	6.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4894.00	40.4 PK	74.0	-33.6	1.82 V	196	39.8	0.6
2	4894.00	28.3 AV	54.0	-25.7	1.82 V	196	27.7	0.6
3	7341.00	45.1 PK	74.0	-28.9	2.14 V	62	38.2	6.9
4	7341.00	32.6 AV	54.0	-21.4	2.14 V	62	25.7	6.9

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE40)	Channel	CH 9 : 2452 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4904.00	40.4 PK	74.0	-33.6	1.97 H	205	39.8	0.6
2	4904.00	27.8 AV	54.0	-26.2	1.97 H	205	27.2	0.6
3	7356.00	43.8 PK	74.0	-30.2	2.47 H	353	36.8	7.0
4	7356.00	31.5 AV	54.0	-22.5	2.47 H	353	24.5	7.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4904.00	40.7 PK	74.0	-33.3	1.79 V	190	40.1	0.6
2	4904.00	28.5 AV	54.0	-25.5	1.79 V	190	27.9	0.6
3	7356.00	45.0 PK	74.0	-29.0	2.16 V	87	38.0	7.0
4	7356.00	32.4 AV	54.0	-21.6	2.16 V	87	25.4	7.0

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE40)	Channel	CH 10 : 2457 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	40.7 PK	74.0	-33.3	1.93 H	215	40.0	0.7
2	4914.00	28.1 AV	54.0	-25.9	1.93 H	215	27.4	0.7
3	7371.00	44.1 PK	74.0	-29.9	2.54 H	360	37.0	7.1
4	7371.00	31.6 AV	54.0	-22.4	2.54 H	360	24.5	7.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	40.5 PK	74.0	-33.5	1.73 V	194	39.8	0.7
2	4914.00	28.6 AV	54.0	-25.4	1.73 V	194	27.9	0.7
3	7371.00	44.3 PK	74.0	-29.7	2.17 V	79	37.2	7.1
4	7371.00	32.0 AV	54.0	-22.0	2.17 V	79	24.9	7.1

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 802.11ax (HE40)	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	41.3 PK	74.0	-32.7	2.00 H	219	40.6	0.7
2	4924.00	28.8 AV	54.0	-25.2	2.00 H	219	28.1	0.7
3	7386.00	44.7 PK	74.0	-29.3	2.43 H	360	37.5	7.2
4	7386.00	32.2 AV	54.0	-21.8	2.43 H	360	25.0	7.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	40.4 PK	74.0	-33.6	1.76 V	209	39.7	0.7
2	4924.00	28.1 AV	54.0	-25.9	1.76 V	209	27.4	0.7
3	7386.00	44.8 PK	74.0	-29.2	2.14 V	79	37.6	7.2
4	7386.00	32.1 AV	54.0	-21.9	2.14 V	79	24.9	7.2

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

20MHz Preamble
802.11ax (RU26)

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 1 : 2412 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4824.00	39.6 PK	74.0	-34.4	1.98 H	174	39.1	0.5
2	4824.00	28.4 AV	54.0	-25.6	1.98 H	174	27.9	0.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4824.00	39.9 PK	74.0	-34.1	1.85 V	176	39.4	0.5
2	4824.00	28.4 AV	54.0	-25.6	1.85 V	176	27.9	0.5

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 2 : 2417 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4834.00	39.6 PK	74.0	-34.4	1.95 H	163	39.0	0.6
2	4834.00	28.4 AV	54.0	-25.6	1.95 H	163	27.8	0.6
3	7251.00	43.2 PK	74.0	-30.8	2.55 H	349	36.5	6.7
4	7251.00	30.6 AV	54.0	-23.4	2.55 H	349	23.9	6.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4834.00	40.5 PK	74.0	-33.5	1.83 V	170	39.9	0.6
2	4834.00	28.5 AV	54.0	-25.5	1.83 V	170	27.9	0.6
3	7251.00	44.5 PK	74.0	-29.5	2.02 V	84	37.8	6.7
4	7251.00	32.2 AV	54.0	-21.8	2.02 V	84	25.5	6.7

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	39.5 PK	74.0	-34.5	1.94 H	176	39.0	0.5
2	4874.00	27.9 AV	54.0	-26.1	1.94 H	176	27.4	0.5
3	7311.00	42.9 PK	74.0	-31.1	2.57 H	347	36.1	6.8
4	7311.00	30.4 AV	54.0	-23.6	2.57 H	347	23.6	6.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	40.3 PK	74.0	-33.7	1.81 V	158	39.8	0.5
2	4874.00	28.2 AV	54.0	-25.8	1.81 V	158	27.7	0.5
3	7311.00	44.1 PK	74.0	-29.9	2.00 V	92	37.3	6.8
4	7311.00	31.7 AV	54.0	-22.3	2.00 V	92	24.9	6.8

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 10 : 2457 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	39.7 PK	74.0	-34.3	1.91 H	164	39.0	0.7
2	4914.00	28.2 AV	54.0	-25.8	1.91 H	164	27.5	0.7
3	7371.00	43.3 PK	74.0	-30.7	2.51 H	360	36.2	7.1
4	7371.00	30.7 AV	54.0	-23.3	2.51 H	360	23.6	7.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	39.9 PK	74.0	-34.1	1.83 V	170	39.2	0.7
2	4914.00	28.1 AV	54.0	-25.9	1.83 V	170	27.4	0.7
3	7371.00	45.1 PK	74.0	-28.9	2.01 V	74	38.0	7.1
4	7371.00	32.7 AV	54.0	-21.3	2.01 V	74	25.6	7.1

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	41.2 PK	74.0	-32.8	1.99 H	158	40.5	0.7
2	4924.00	27.0 AV	54.0	-27.0	1.99 H	158	26.3	0.7
3	7386.00	43.4 PK	74.0	-30.6	2.59 H	345	36.2	7.2
4	7386.00	31.0 AV	54.0	-23.0	2.59 H	345	23.8	7.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	40.1 PK	74.0	-33.9	1.88 V	183	39.4	0.7
2	4924.00	28.0 AV	54.0	-26.0	1.88 V	183	27.3	0.7
3	7386.00	44.5 PK	74.0	-29.5	1.97 V	87	37.3	7.2
4	7386.00	32.3 AV	54.0	-21.7	1.97 V	87	25.1	7.2

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 12 : 2467 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4934.00	41.1 PK	74.0	-32.9	2.02 H	154	40.3	0.8
2	4934.00	27.0 AV	54.0	-27.0	2.02 H	154	26.2	0.8
3	7401.00	42.7 PK	74.0	-31.3	2.57 H	345	35.4	7.3
4	7401.00	30.4 AV	54.0	-23.6	2.57 H	345	23.1	7.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4934.00	40.5 PK	74.0	-33.5	1.82 V	176	39.7	0.8
2	4934.00	28.5 AV	54.0	-25.5	1.82 V	176	27.7	0.8
3	7401.00	44.5 PK	74.0	-29.5	2.02 V	83	37.2	7.3
4	7401.00	32.4 AV	54.0	-21.6	2.02 V	83	25.1	7.3

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU26)	Channel	CH 13 : 2472 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4944.00	39.1 PK	74.0	-34.9	1.92 H	163	38.3	0.8
2	4944.00	27.7 AV	54.0	-26.3	1.92 H	163	26.9	0.8
3	7416.00	43.8 PK	74.0	-30.2	2.63 H	360	36.5	7.3
4	7416.00	30.6 AV	54.0	-23.4	2.63 H	360	23.3	7.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4944.00	40.8 PK	74.0	-33.2	1.81 V	183	40.0	0.8
2	4944.00	28.9 AV	54.0	-25.1	1.81 V	183	28.1	0.8
3	7416.00	44.1 PK	74.0	-29.9	2.07 V	81	36.8	7.3
4	7416.00	32.1 AV	54.0	-21.9	2.07 V	81	24.8	7.3

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

20MHz Preamble
802.11ax (RU242)

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 1 : 2412 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4824.00	39.2 PK	74.0	-34.8	1.94 H	170	38.7	0.5
2	4824.00	27.9 AV	54.0	-26.1	1.94 H	170	27.4	0.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4824.00	39.7 PK	74.0	-34.3	1.82 V	169	39.2	0.5
2	4824.00	28.2 AV	54.0	-25.8	1.82 V	169	27.7	0.5

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 2 : 2417 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4834.00	39.5 PK	74.0	-34.5	2.06 H	152	38.9	0.6
2	4834.00	28.0 AV	54.0	-26.0	2.06 H	152	27.4	0.6
3	7251.00	43.9 PK	74.0	-30.1	2.70 H	360	37.2	6.7
4	7251.00	30.8 AV	54.0	-23.2	2.70 H	360	24.1	6.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4834.00	40.8 PK	74.0	-33.2	1.83 V	163	40.2	0.6
2	4834.00	28.7 AV	54.0	-25.3	1.83 V	163	28.1	0.6
3	7251.00	44.9 PK	74.0	-29.1	2.01 V	80	38.2	6.7
4	7251.00	32.5 AV	54.0	-21.5	2.01 V	80	25.8	6.7

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	39.9 PK	74.0	-34.1	1.96 H	154	39.4	0.5
2	4874.00	28.4 AV	54.0	-25.6	1.96 H	154	27.9	0.5
3	7311.00	43.9 PK	74.0	-30.1	2.63 H	360	37.1	6.8
4	7311.00	30.6 AV	54.0	-23.4	2.63 H	360	23.8	6.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	40.9 PK	74.0	-33.1	1.77 V	156	40.4	0.5
2	4874.00	28.9 AV	54.0	-25.1	1.77 V	156	28.4	0.5
3	7311.00	44.7 PK	74.0	-29.3	2.01 V	99	37.9	6.8
4	7311.00	32.3 AV	54.0	-21.7	2.01 V	99	25.5	6.8

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 10 : 2457 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	39.5 PK	74.0	-34.5	1.98 H	168	38.8	0.7
2	4914.00	28.3 AV	54.0	-25.7	1.98 H	168	27.6	0.7
3	7371.00	43.6 PK	74.0	-30.4	2.63 H	360	36.5	7.1
4	7371.00	30.2 AV	54.0	-23.8	2.63 H	360	23.1	7.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	40.8 PK	74.0	-33.2	1.80 V	182	40.1	0.7
2	4914.00	28.5 AV	54.0	-25.5	1.80 V	182	27.8	0.7
3	7371.00	44.1 PK	74.0	-29.9	2.07 V	68	37.0	7.1
4	7371.00	32.0 AV	54.0	-22.0	2.07 V	68	24.9	7.1

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	40.0 PK	74.0	-34.0	1.95 H	163	39.3	0.7
2	4924.00	28.5 AV	54.0	-25.5	1.95 H	163	27.8	0.7
3	7386.00	44.2 PK	74.0	-29.8	2.67 H	360	37.0	7.2
4	7386.00	31.1 AV	54.0	-22.9	2.67 H	360	23.9	7.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	40.6 PK	74.0	-33.4	1.87 V	164	39.9	0.7
2	4924.00	28.8 AV	54.0	-25.2	1.87 V	164	28.1	0.7
3	7386.00	44.8 PK	74.0	-29.2	2.03 V	83	37.6	7.2
4	7386.00	32.6 AV	54.0	-21.4	2.03 V	83	25.4	7.2

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 12 : 2467 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4934.00	39.3 PK	74.0	-34.7	1.98 H	154	38.5	0.8
2	4934.00	28.2 AV	54.0	-25.8	1.98 H	154	27.4	0.8
3	7401.00	44.0 PK	74.0	-30.0	2.69 H	360	36.7	7.3
4	7401.00	31.0 AV	54.0	-23.0	2.69 H	360	23.7	7.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4934.00	40.1 PK	74.0	-33.9	1.79 V	172	39.3	0.8
2	4934.00	28.2 AV	54.0	-25.8	1.79 V	172	27.4	0.8
3	7401.00	44.9 PK	74.0	-29.1	1.98 V	93	37.6	7.3
4	7401.00	32.7 AV	54.0	-21.3	1.98 V	93	25.4	7.3

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 20MHz Preamble 802.11ax (RU242)	Channel	CH 13 : 2472 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4944.00	39.5 PK	74.0	-34.5	2.03 H	155	38.7	0.8
2	4944.00	28.5 AV	54.0	-25.5	2.03 H	155	27.7	0.8
3	7416.00	43.7 PK	74.0	-30.3	2.62 H	360	36.4	7.3
4	7416.00	30.4 AV	54.0	-23.6	2.62 H	360	23.1	7.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4944.00	40.5 PK	74.0	-33.5	1.86 V	172	39.7	0.8
2	4944.00	28.7 AV	54.0	-25.3	1.86 V	172	27.9	0.8
3	7416.00	44.3 PK	74.0	-29.7	1.97 V	74	37.0	7.3
4	7416.00	32.0 AV	54.0	-22.0	1.97 V	74	24.7	7.3

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

40MHz Preamble
802.11ax (RU484)

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 3 : 2422 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4844.00	39.2 PK	74.0	-34.8	2.00 H	168	38.7	0.5
2	4844.00	28.0 AV	54.0	-26.0	2.00 H	168	27.5	0.5
3	7266.00	43.5 PK	74.0	-30.5	2.69 H	360	36.8	6.7
4	7266.00	30.2 AV	54.0	-23.8	2.69 H	360	23.5	6.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4844.00	39.8 PK	74.0	-34.2	1.85 V	157	39.3	0.5
2	4844.00	28.0 AV	54.0	-26.0	1.85 V	157	27.5	0.5
3	7266.00	44.4 PK	74.0	-29.6	2.02 V	98	37.7	6.7
4	7266.00	31.9 AV	54.0	-22.1	2.02 V	98	25.2	6.7

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 4 : 2427 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4854.00	40.3 PK	74.0	-33.7	2.00 H	160	39.8	0.5
2	4854.00	28.8 AV	54.0	-25.2	2.00 H	160	28.3	0.5
3	7281.00	44.1 PK	74.0	-29.9	2.68 H	360	37.4	6.7
4	7281.00	31.0 AV	54.0	-23.0	2.68 H	360	24.3	6.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4854.00	40.5 PK	74.0	-33.5	1.81 V	172	40.0	0.5
2	4854.00	28.5 AV	54.0	-25.5	1.81 V	172	28.0	0.5
3	7281.00	44.2 PK	74.0	-29.8	2.07 V	68	37.5	6.7
4	7281.00	31.9 AV	54.0	-22.1	2.07 V	68	25.2	6.7

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 6 : 2437 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	39.6 PK	74.0	-34.4	2.04 H	171	39.1	0.5
2	4874.00	28.1 AV	54.0	-25.9	2.04 H	171	27.6	0.5
3	7311.00	44.6 PK	74.0	-29.4	2.71 H	360	37.8	6.8
4	7311.00	31.2 AV	54.0	-22.8	2.71 H	360	24.4	6.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4874.00	41.2 PK	74.0	-32.8	1.85 V	157	40.7	0.5
2	4874.00	29.0 AV	54.0	-25.0	1.85 V	157	28.5	0.5
3	7311.00	43.7 PK	74.0	-30.3	2.05 V	91	36.9	6.8
4	7311.00	31.7 AV	54.0	-22.3	2.05 V	91	24.9	6.8

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 8 : 2447 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4894.00	39.9 PK	74.0	-34.1	2.03 H	169	39.3	0.6
2	4894.00	28.7 AV	54.0	-25.3	2.03 H	169	28.1	0.6
3	7341.00	43.9 PK	74.0	-30.1	2.65 H	360	37.0	6.9
4	7341.00	30.3 AV	54.0	-23.7	2.65 H	360	23.4	6.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4894.00	40.0 PK	74.0	-34.0	1.82 V	181	39.4	0.6
2	4894.00	28.1 AV	54.0	-25.9	1.82 V	181	27.5	0.6
3	7341.00	44.7 PK	74.0	-29.3	1.96 V	88	37.8	6.9
4	7341.00	32.3 AV	54.0	-21.7	1.96 V	88	25.4	6.9

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 9 : 2452 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4904.00	39.1 PK	74.0	-34.9	1.98 H	178	38.5	0.6
2	4904.00	28.1 AV	54.0	-25.9	1.98 H	178	27.5	0.6
3	7356.00	44.2 PK	74.0	-29.8	2.61 H	359	37.2	7.0
4	7356.00	31.0 AV	54.0	-23.0	2.61 H	359	24.0	7.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4904.00	40.3 PK	74.0	-33.7	1.81 V	161	39.7	0.6
2	4904.00	28.2 AV	54.0	-25.8	1.81 V	161	27.6	0.6
3	7356.00	44.2 PK	74.0	-29.8	1.96 V	72	37.2	7.0
4	7356.00	32.1 AV	54.0	-21.9	1.96 V	72	25.1	7.0

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 10 : 2457 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	39.5 PK	74.0	-34.5	1.96 H	149	38.8	0.7
2	4914.00	28.5 AV	54.0	-25.5	1.96 H	149	27.8	0.7
3	7371.00	44.2 PK	74.0	-29.8	2.69 H	360	37.1	7.1
4	7371.00	31.2 AV	54.0	-22.8	2.69 H	360	24.1	7.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4914.00	41.0 PK	74.0	-33.0	1.86 V	161	40.3	0.7
2	4914.00	28.9 AV	54.0	-25.1	1.86 V	161	28.2	0.7
3	7371.00	44.2 PK	74.0	-29.8	2.07 V	73	37.1	7.1
4	7371.00	31.9 AV	54.0	-22.1	2.07 V	73	24.8	7.1

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

RF Mode	TX 40MHz Preamble 802.11ax (RU484)	Channel	CH 11 : 2462 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	39.5 PK	74.0	-34.5	1.95 H	169	38.8	0.7
2	4924.00	28.1 AV	54.0	-25.9	1.95 H	169	27.4	0.7
3	7386.00	44.0 PK	74.0	-30.0	2.65 H	360	36.8	7.2
4	7386.00	30.6 AV	54.0	-23.4	2.65 H	360	23.4	7.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4924.00	40.5 PK	74.0	-33.5	1.81 V	177	39.8	0.7
2	4924.00	28.7 AV	54.0	-25.3	1.81 V	177	28.0	0.7
3	7386.00	44.6 PK	74.0	-29.4	2.06 V	96	37.4	7.2
4	7386.00	32.5 AV	54.0	-21.5	2.06 V	96	25.3	7.2

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

Below 1GHz Data:

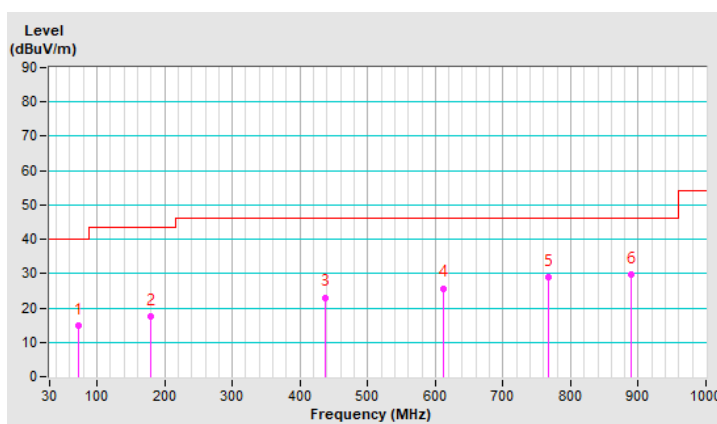
For Radiated test was done with 50ohm terminator on antenna port.

RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	9kHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	73.02	14.9 QP	40.0	-25.1	1.00 H	287	30.6	-15.7
2	179.99	17.4 QP	43.5	-26.1	2.00 H	163	31.0	-13.6
3	437.40	23.1 QP	46.0	-22.9	1.00 H	64	29.5	-6.4
4	612.53	25.7 QP	46.0	-20.3	1.50 H	257	27.6	-1.9
5	767.15	28.9 QP	46.0	-17.1	1.00 H	266	27.6	1.3
6	888.60	29.8 QP	46.0	-16.2	2.00 H	253	26.5	3.3

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

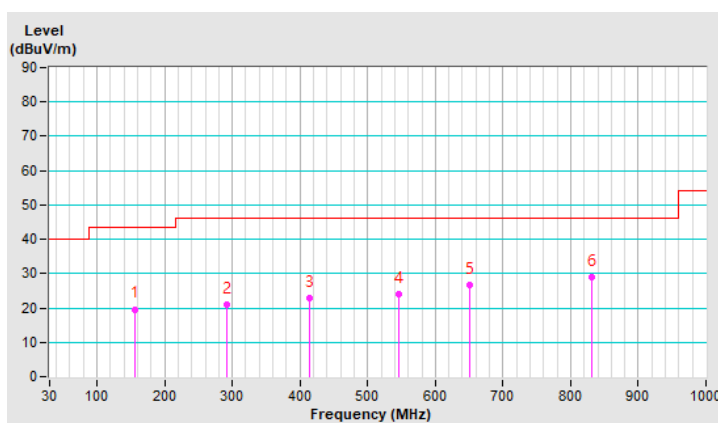


RF Mode	TX 802.11g	Channel	CH 6 : 2437 MHz
Frequency Range	9kHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	156.29	19.6 QP	43.5	-23.9	2.00 V	327	31.5	-11.9
2	292.80	21.0 QP	46.0	-25.0	1.00 V	2	32.0	-11.0
3	414.44	22.9 QP	46.0	-23.1	1.00 V	337	30.3	-7.4
4	545.87	24.1 QP	46.0	-21.9	2.00 V	348	28.1	-4.0
5	650.44	26.7 QP	46.0	-19.3	1.00 V	45	28.1	-1.4
6	831.97	29.1 QP	46.0	-16.9	1.00 V	181	27.0	2.1

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. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.1.8 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 Emission Convert Formula
a. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8 d = measurement distance in 3 meters. b. EIRP Level (dBm) = Raw Value(dBm) + Correction Factor(dB) c. Correction Factor is directional gain, and the composite gain will be used when signal support the correlated signal For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands. For the band edge the gain for the specific band may have been used. Notes: 1. In restricted bands below 1000 MHz, add upper bound on ground plane reflection: For f = 30 – 1000 MHz, add 4.7 dB. 2. The conducted emission test was considered some factor to compute test result.

802.11b - Channel 1

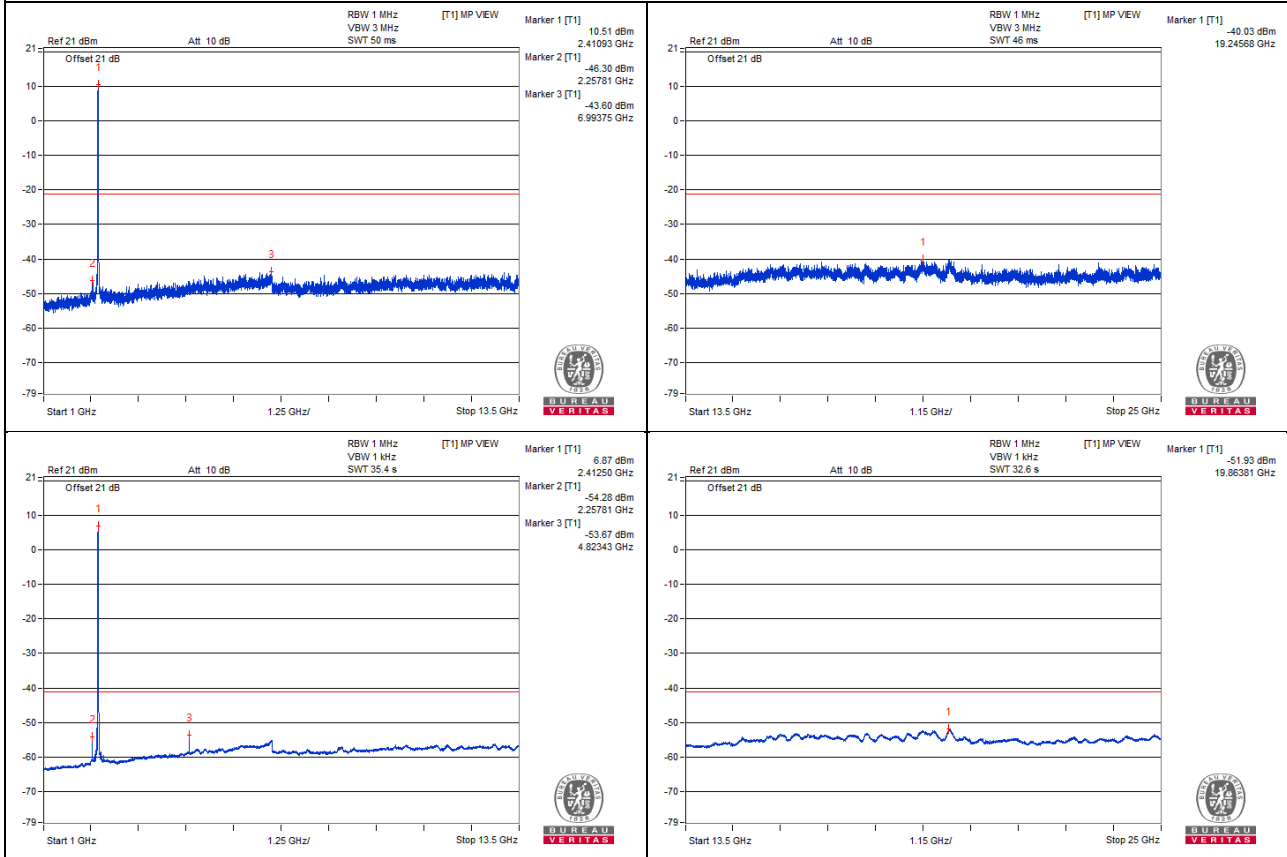
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4975	59.63 PK	74	-14.37	-47.46	-46.24	8.17	-35.63
2	4823.43	51.91 AV	54	-2.09	-53.67	-55.6	8.17	-43.35
3	7293.75	60.3 PK	74	-13.7	-45.17	-47.38	8.17	-34.96
4	7304.68	48.38 AV	54	-5.62	-58.09	-58.04	8.17	-46.88

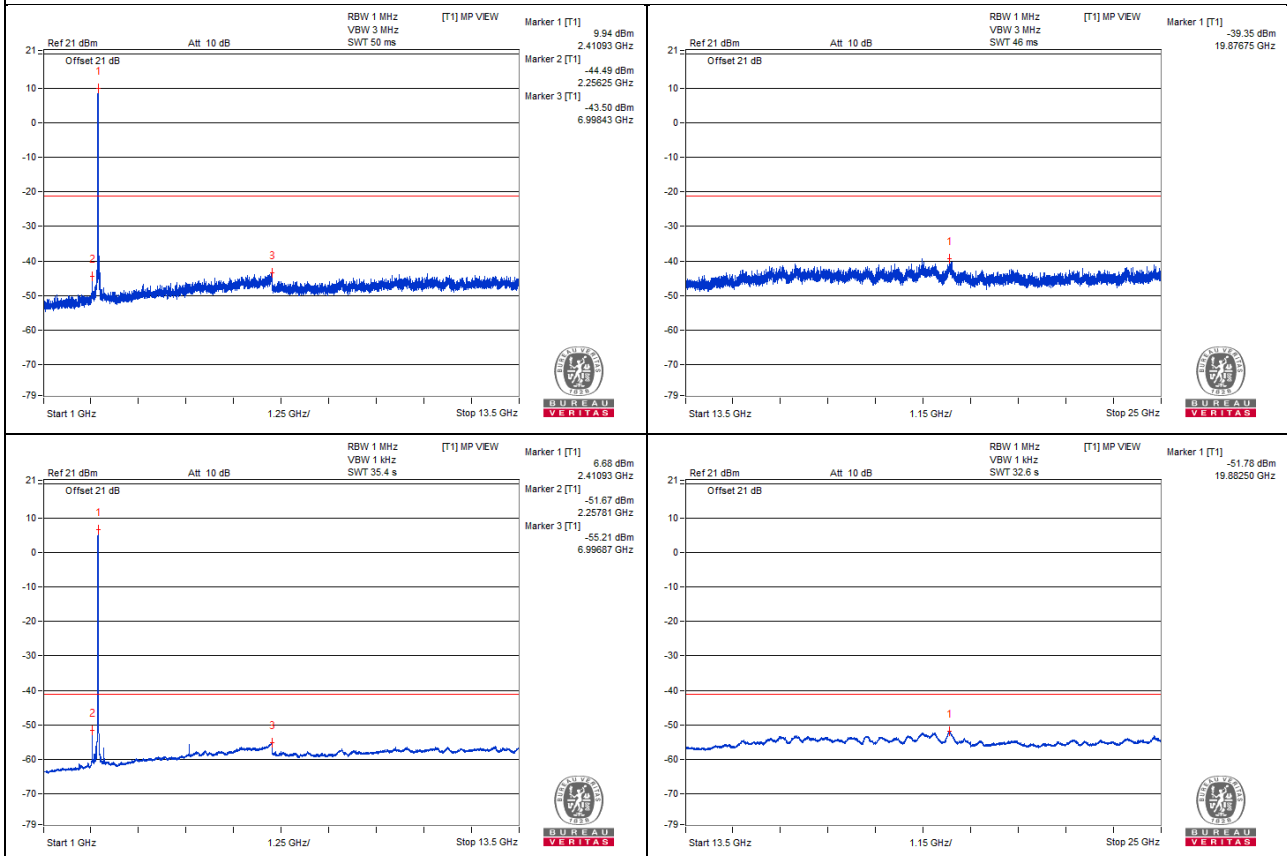
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



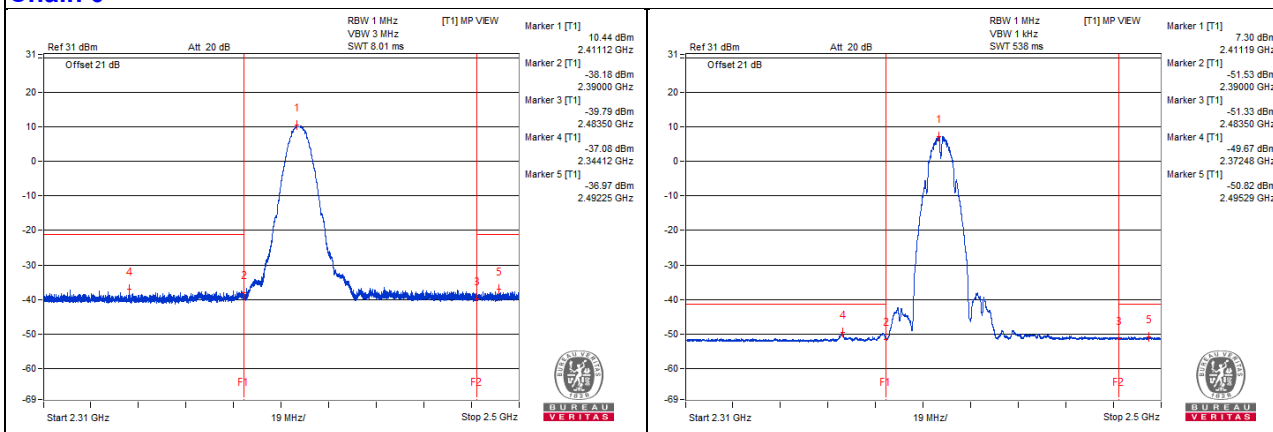
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2377.75	67.4 PK	74	-6.6	-38.78	-36.37	6.54	-27.86
2	2388.68	54.71 AV	54	! 0.71	-50.02	-50.18	6.54	-40.55
3	2492.54	67.27 PK	74	-6.73	-38.32	-36.88	6.54	-27.99
4	2485.22	53.71 AV	54	-0.29	-51.31	-50.9	6.54	-41.55

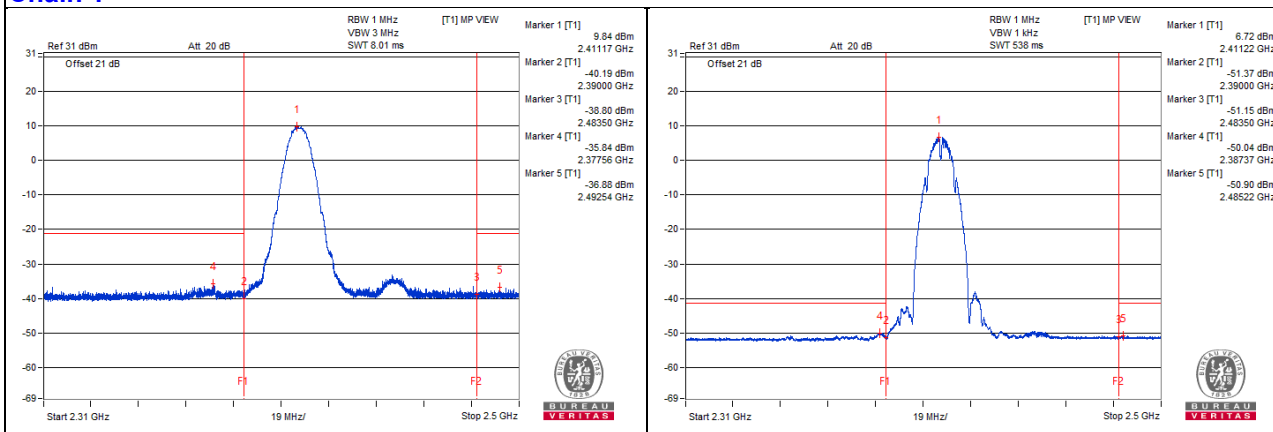
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11b - Channel 6

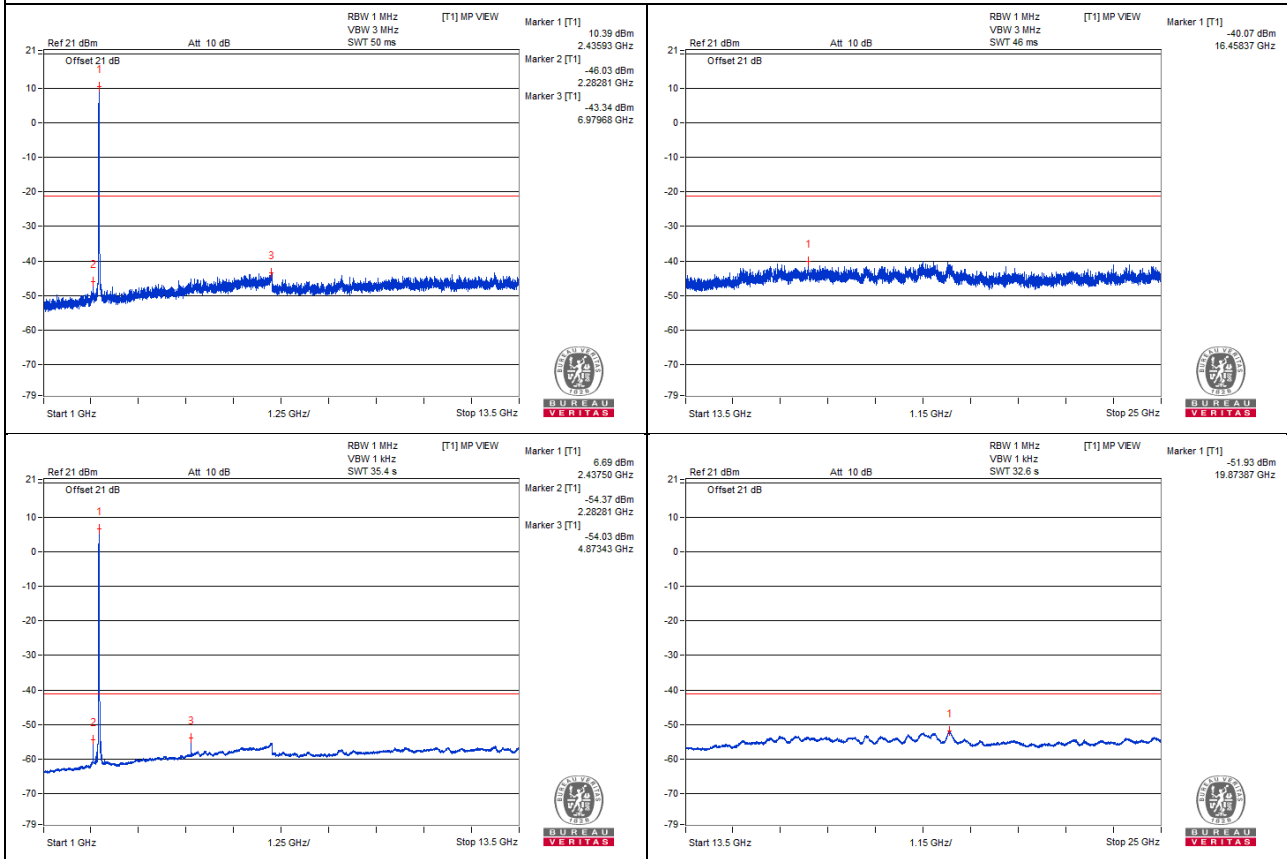
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4873.43	60.6 PK	74	-13.4	-45.11	-46.72	8.17	-34.66
2	4873.43	52.06 AV	54	-1.94	-54.03	-54.77	8.17	-43.20
3	7281.25	59.76 PK	74	-14.24	-45.54	-48.23	8.17	-35.50
4	7309.37	48.36 AV	54	-5.64	-57.94	-58.23	8.17	-46.90

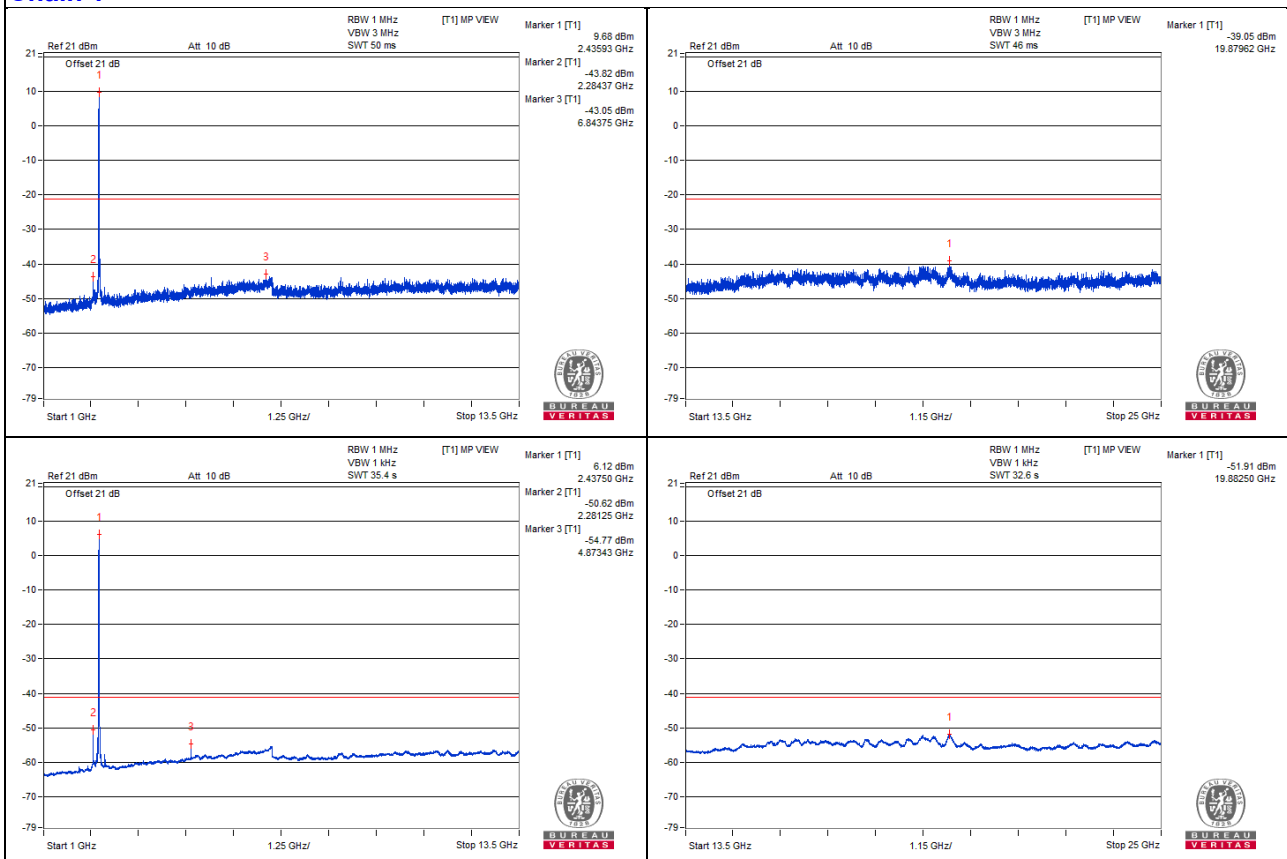
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



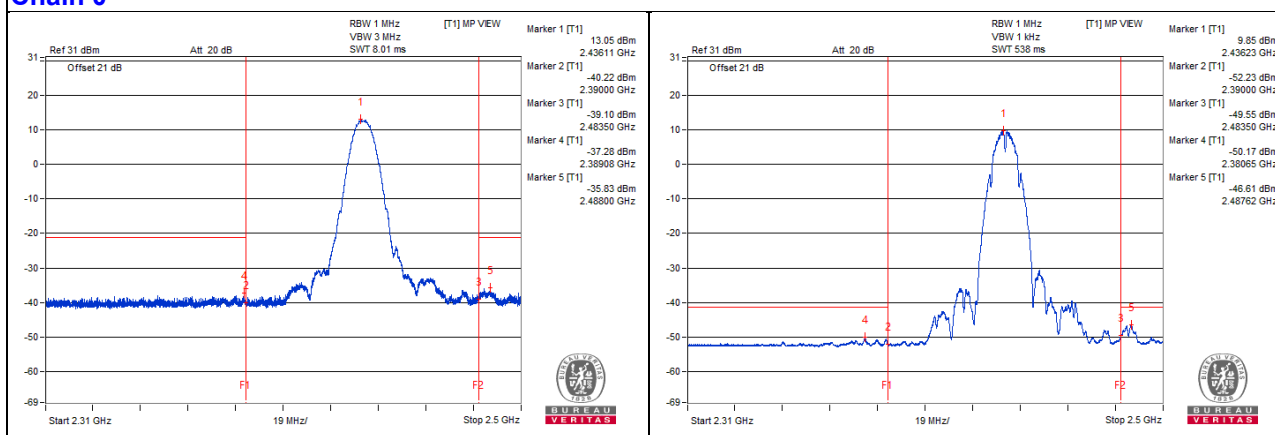
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2389.08	66.09 PK	74	-7.91	-37.28	-40.89	6.54	-29.17
2	2380.65	53.71 AV	54	-0.29	-50.17	-52.29	6.54	-41.55
3	2488.03	67.54 PK	74	-6.46	-35.87	-39.35	6.54	-27.72
4	2487.57	56.44 AV	54	! 2.44	-46.61	-51.39	6.54	-38.82

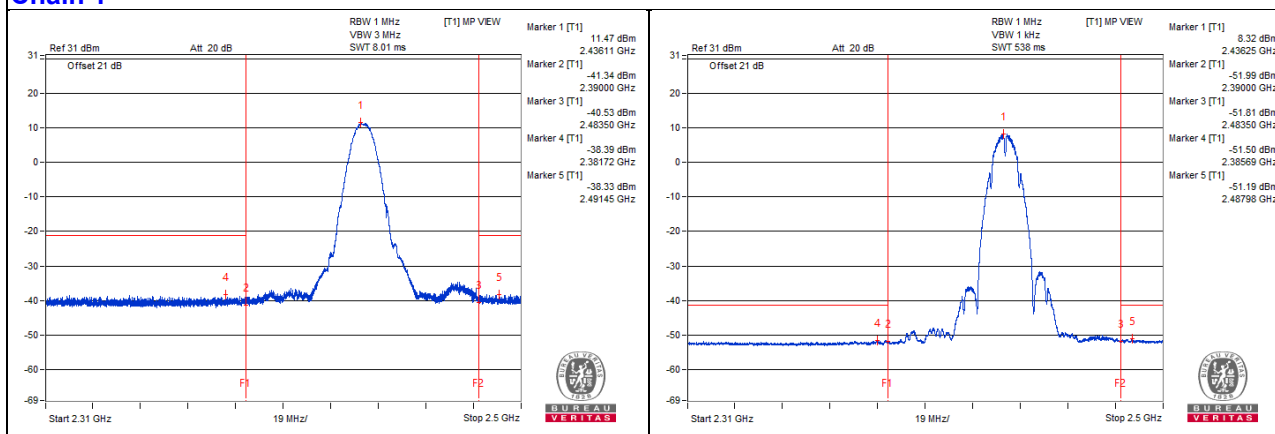
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11b - Channel 11

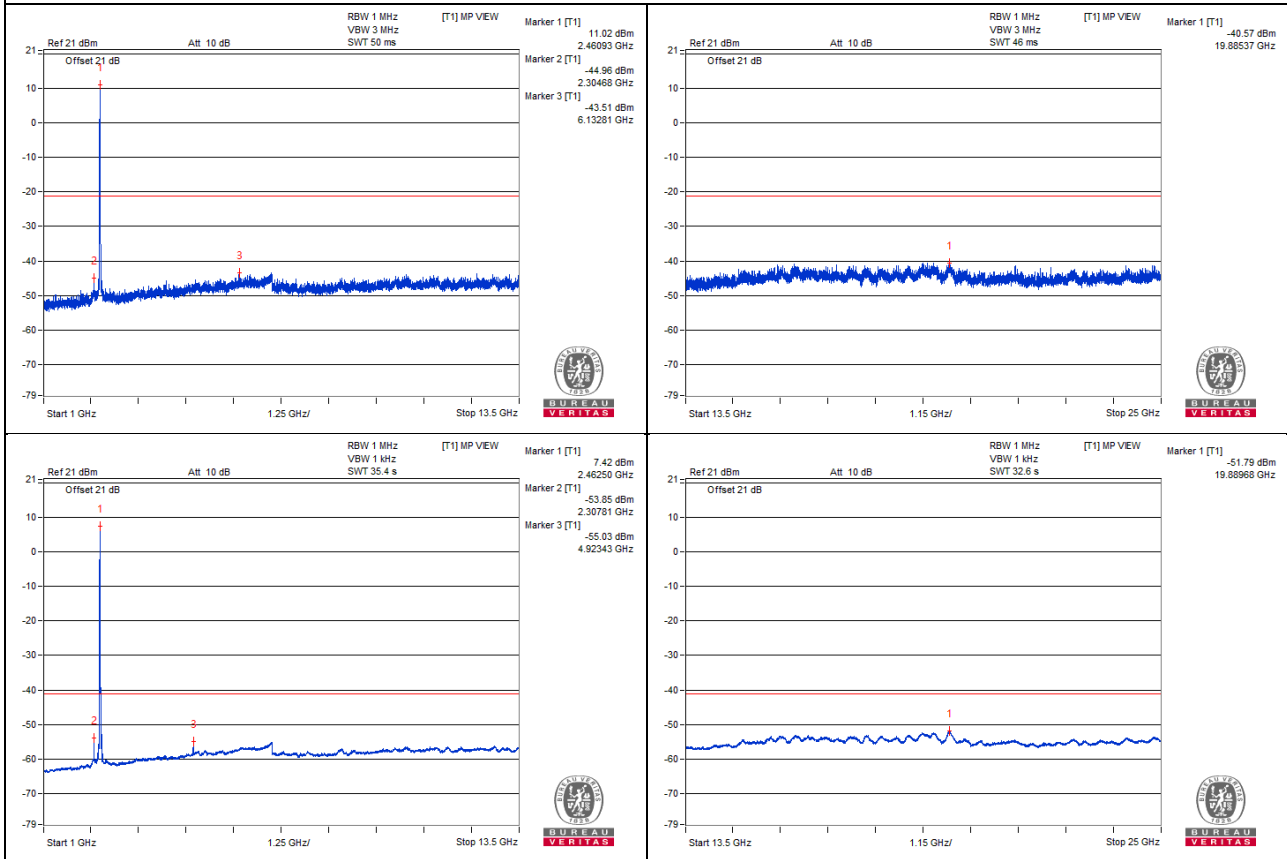
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4923.43	59.69 PK	74	-14.31	-46.92	-46.58	8.17	-35.57
2	4923.43	51.96 AV	54	-2.04	-55.03	-54	8.17	-43.30
3	7281.25	60.55 PK	74	-13.45	-45.31	-46.56	8.17	-34.71
4	7304.68	48.46 AV	54	-5.54	-57.84	-58.12	8.17	-46.80

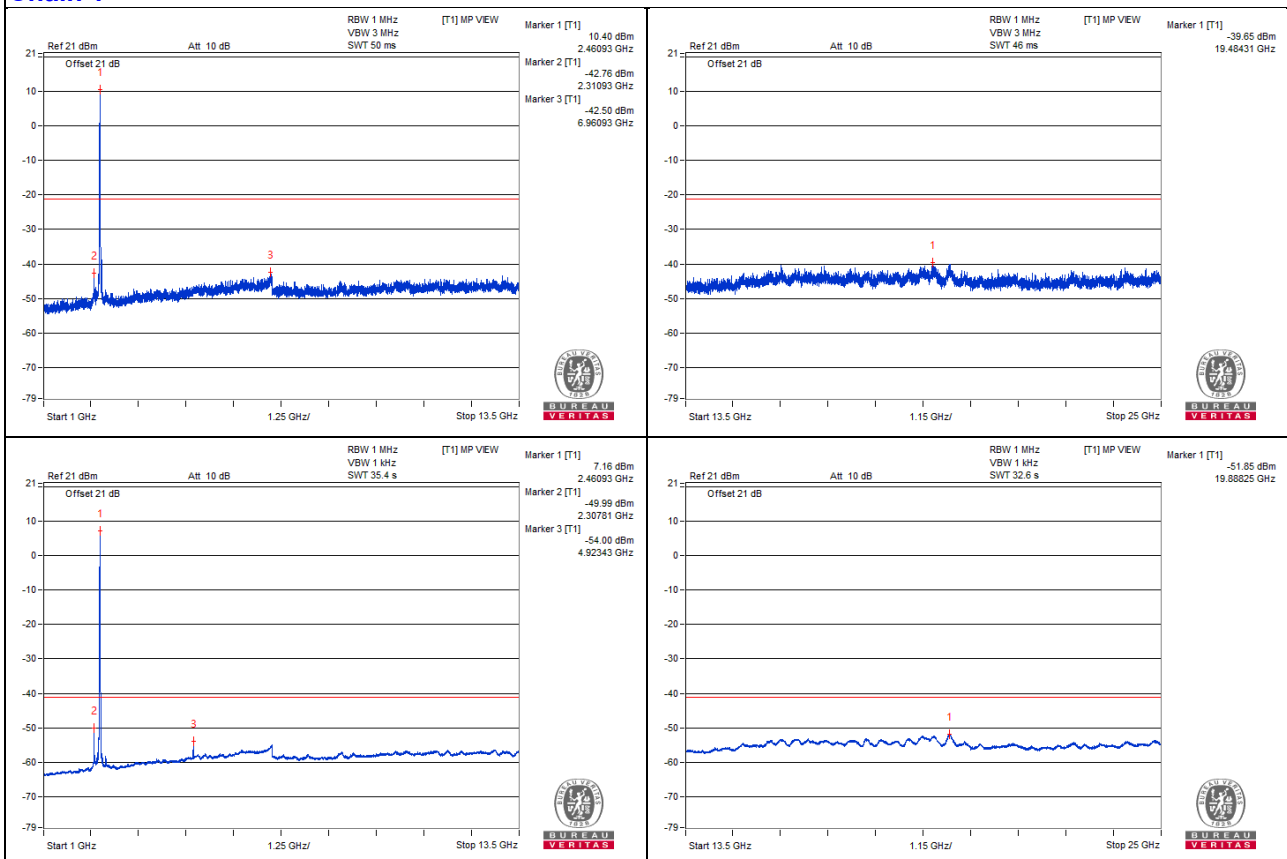
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



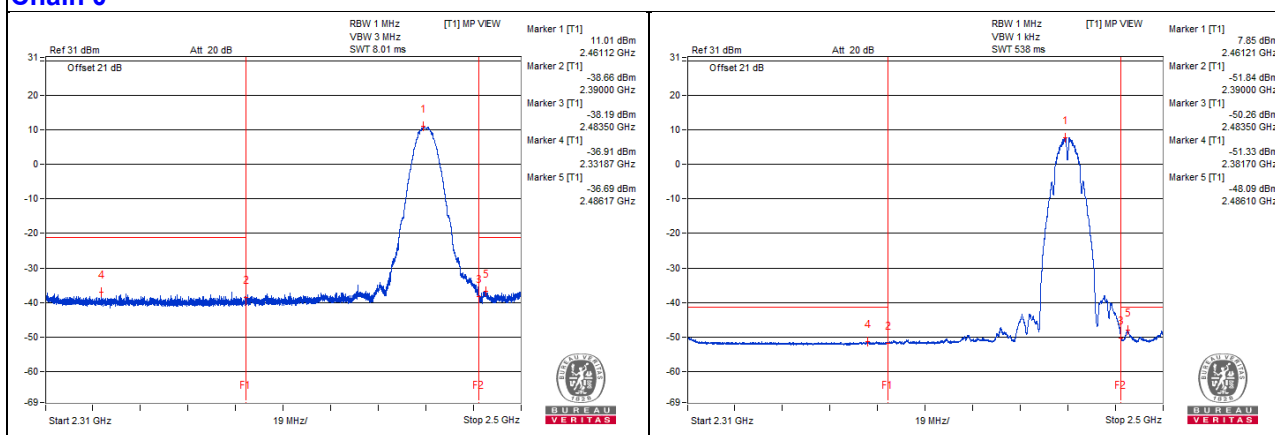
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2310.38	67.23 PK	74	-6.77	-37.18	-38.02	6.54	-28.03
2	2310.11	55.15 AV	54	! 1.15	-50.43	-49.01	6.54	-40.11
3	2499.21	69.2 PK	74	-4.8	-37.17	-34.47	6.54	-26.06
4	2499.73	55.94 AV	54	! 1.94	-48.23	-49.61	6.54	-39.32

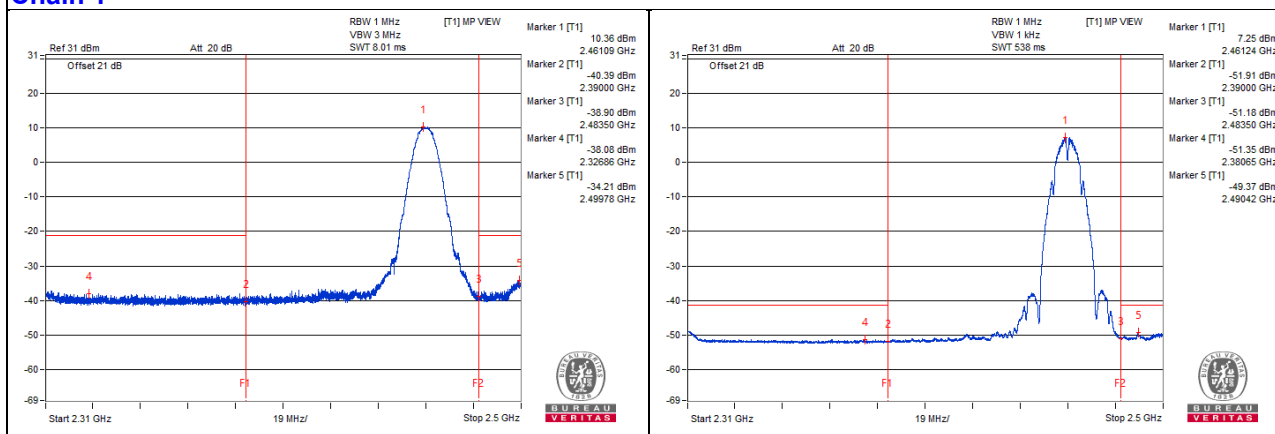
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11b - Channel 12

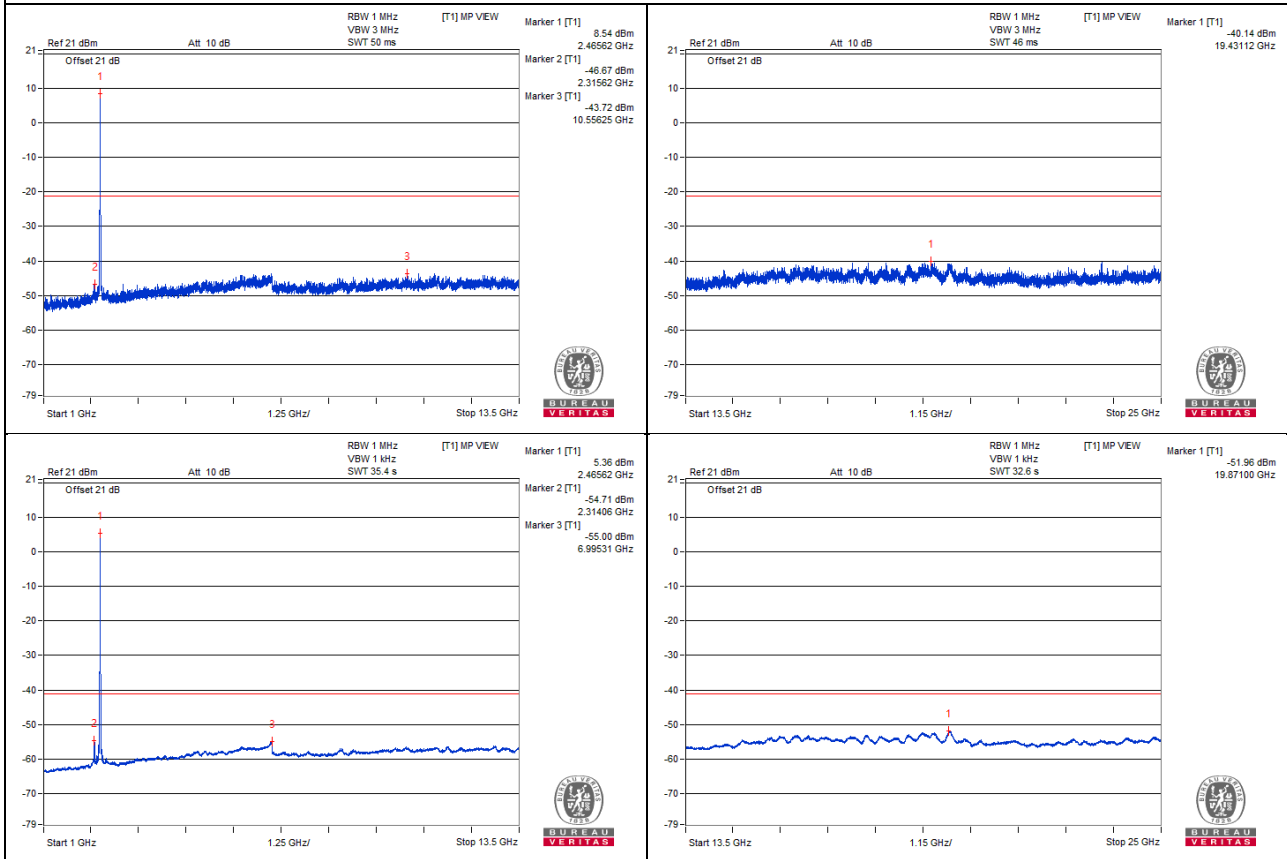
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4979.68	59.72 PK	74	-14.28	-46.76	-46.68	8.17	-35.54
2	4934.37	48.84 AV	54	-5.16	-58.1	-57.15	8.17	-46.42
3	7320.31	59.93 PK	74	-14.07	-45.91	-47.2	8.17	-35.33
4	7296.87	48.44 AV	54	-5.56	-58.12	-57.89	8.17	-46.82

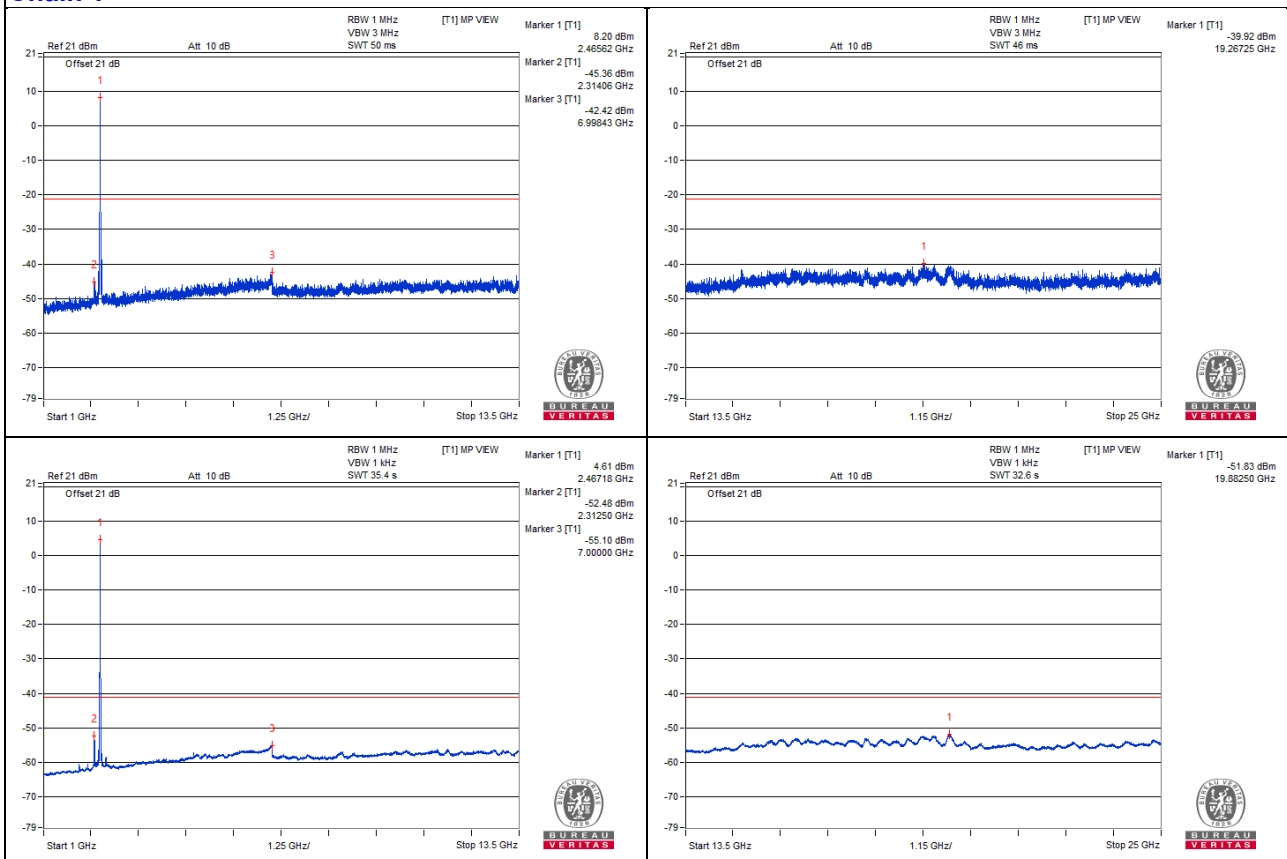
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



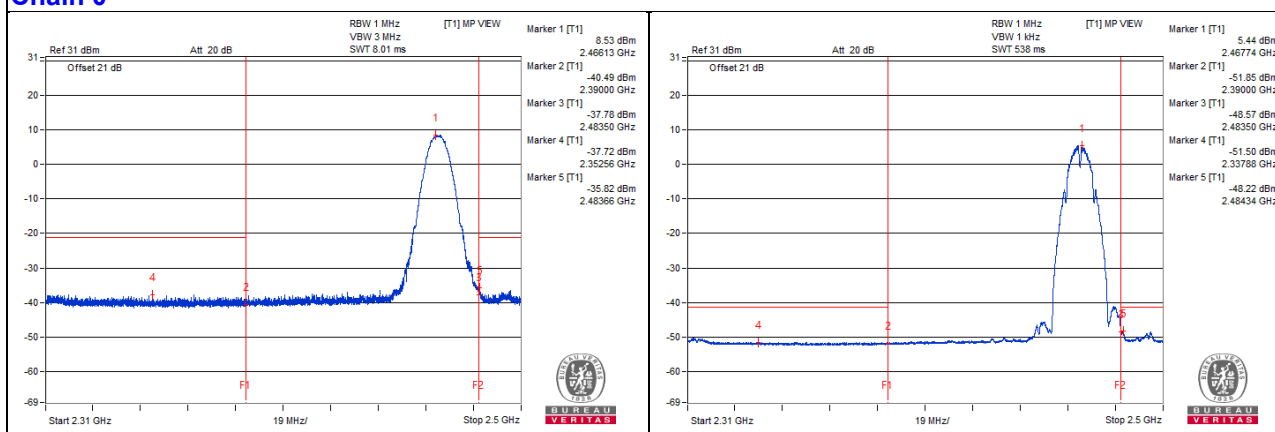
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2311.56	66.95 PK	74	-7.05	-39.11	-36.89	6.54	-28.31
2	2312.49	54.68 AV	54	! 0.68	-50.7	-49.62	6.54	-40.58
3	2483.54	67.88 PK	74	-6.12	-36.54	-37.36	6.54	-27.38
4	2484.34	55.77 AV	54	! 1.77	-48.22	-50.04	6.54	-39.49

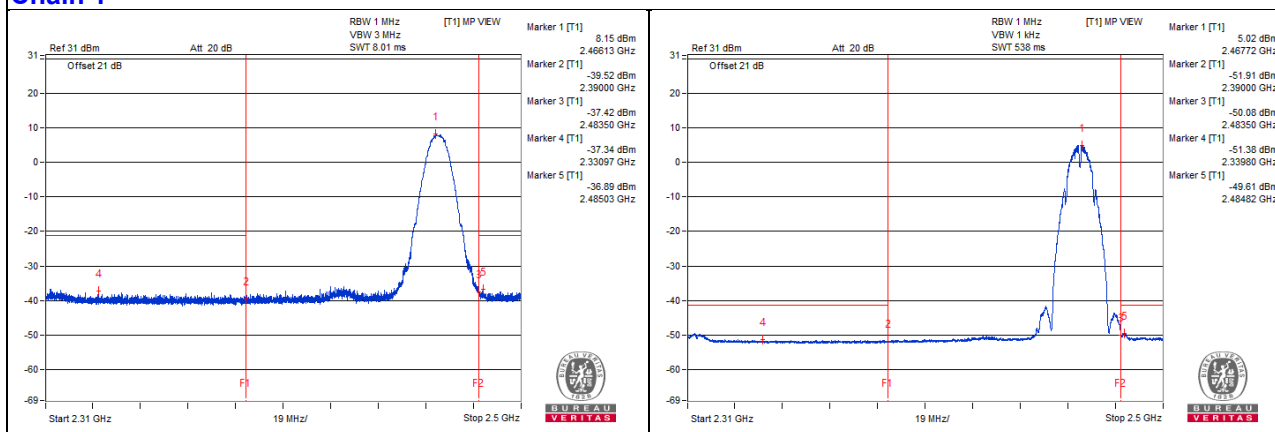
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11b - Channel 13

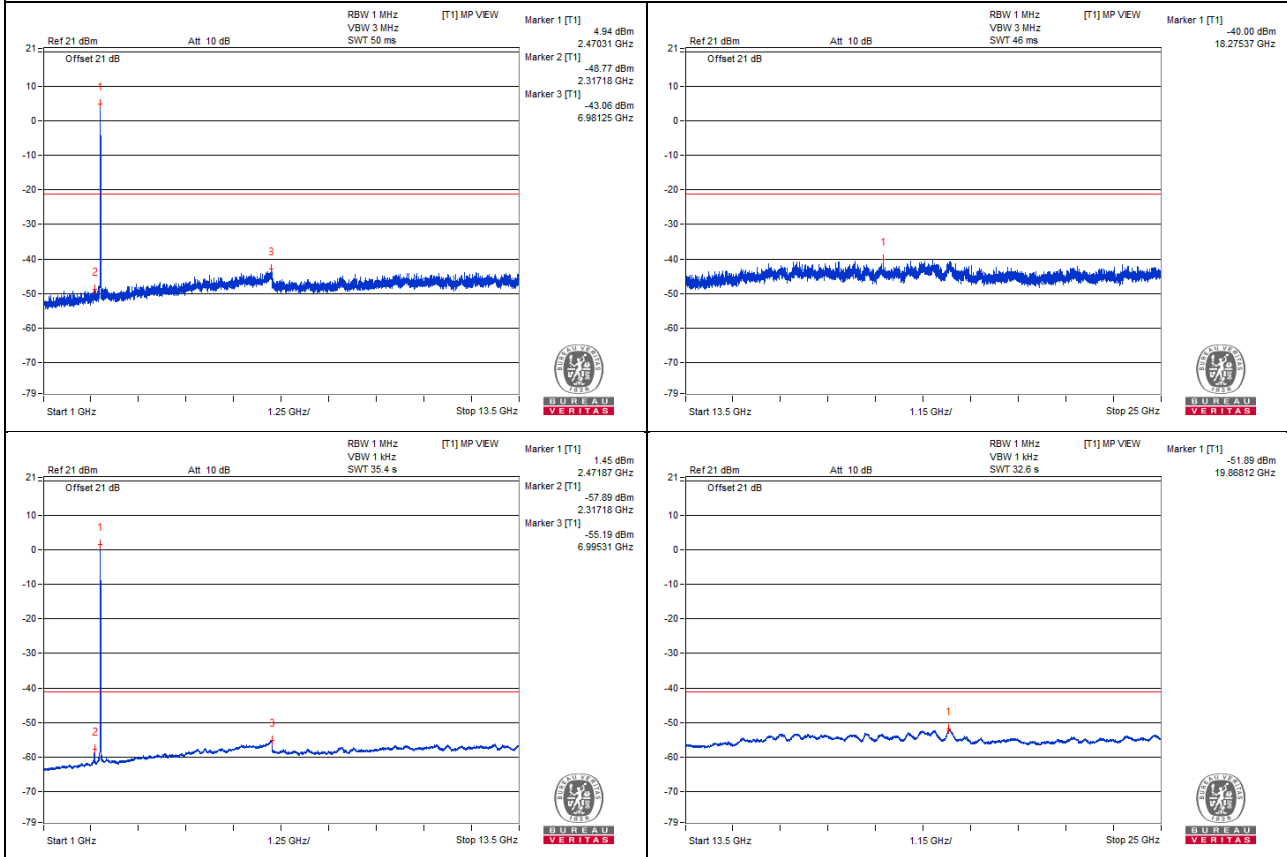
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4968.75	60.05 PK	74	-13.95	-45.18	-48.06	8.17	-35.21
2	4996.87	48.29 AV	54	-5.71	-58.26	-58.04	8.17	-46.97
3	7292.18	59.84 PK	74	-14.16	-47.54	-45.82	8.17	-35.42
4	7301.56	48.47 AV	54	-5.53	-57.88	-58.07	8.17	-46.79

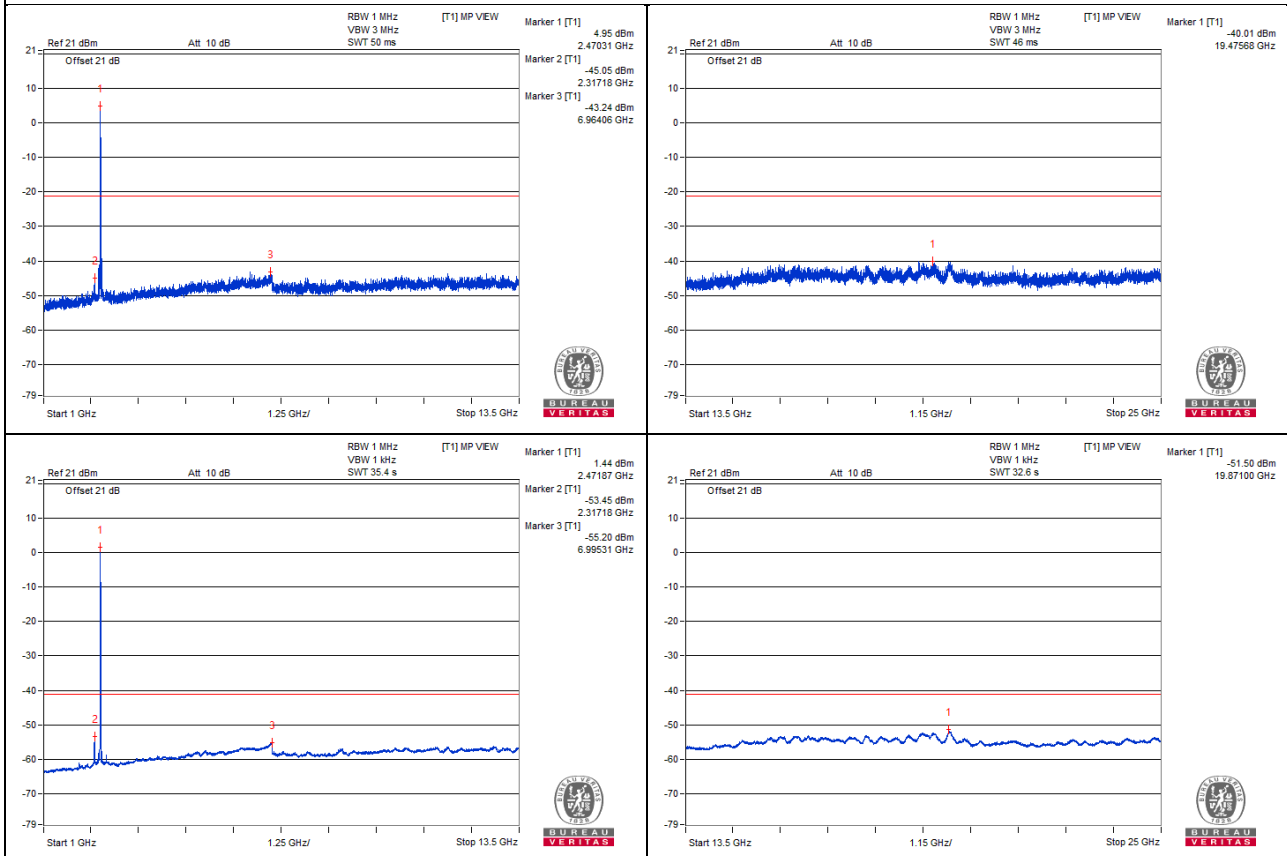
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



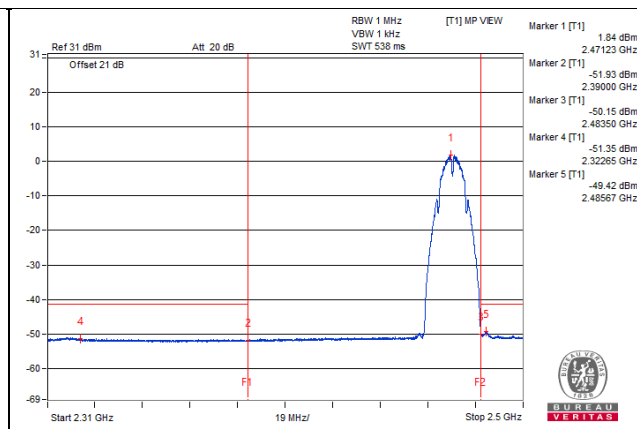
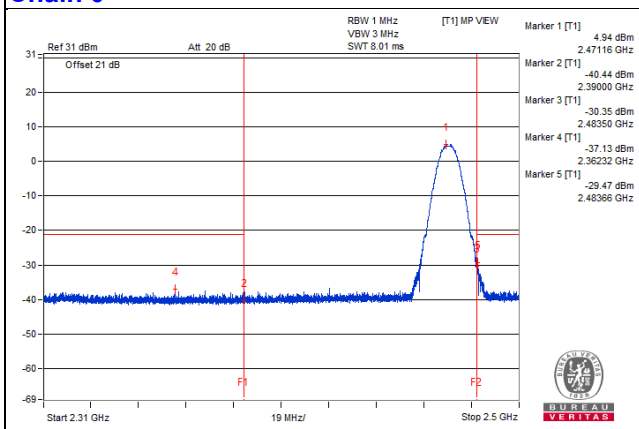
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2315.34	66.77 PK	74	-7.23	-39.2	-37.12	6.54	-28.49
2	2317.52	54.3 AV	54	! 0.3	-51.38	-49.78	6.54	-40.96
3	2483.66	74.44 PK	74	! 0.44	-29.47	-31.51	6.54	-20.82
4	2485.72	56.21 AV	54	! 2.21	-49.79	-47.66	6.54	-39.05

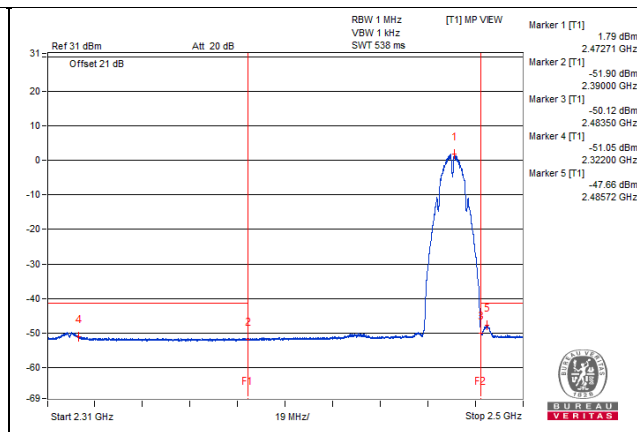
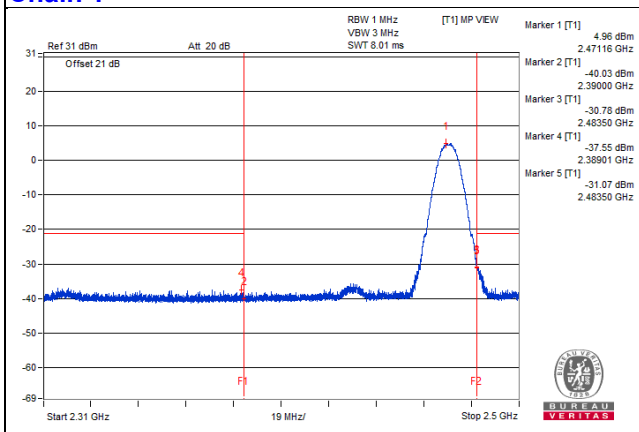
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11g - Channel 1

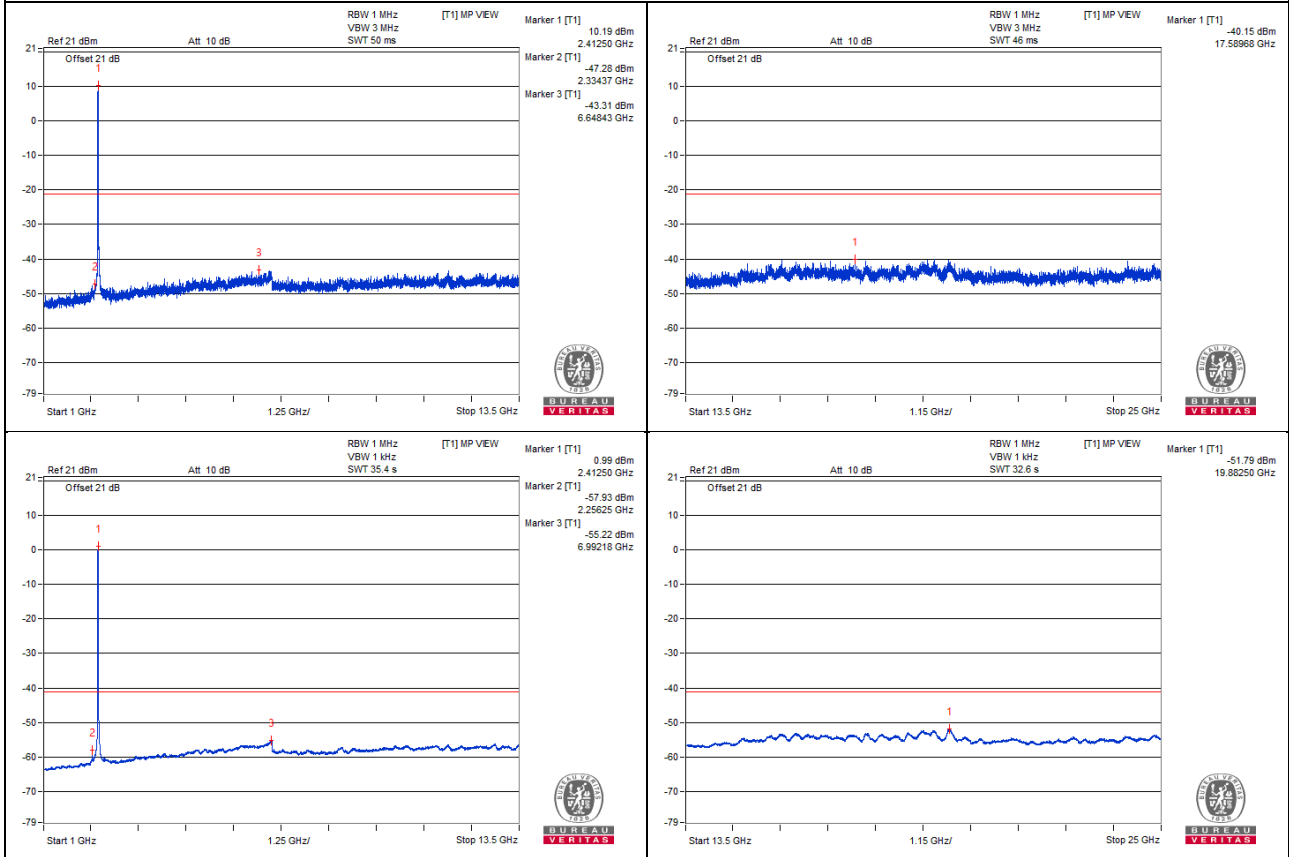
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4817.18	59.98 PK	74	-14.02	-47.62	-45.54	8.17	-35.28
2	4998.43	48.34 AV	54	-5.66	-58.23	-57.98	8.17	-46.92
3	7420.31	59.91 PK	74	-14.09	-45.24	-48.38	8.17	-35.35
4	7306.25	48.59 AV	54	-5.41	-58	-57.71	8.17	-46.67

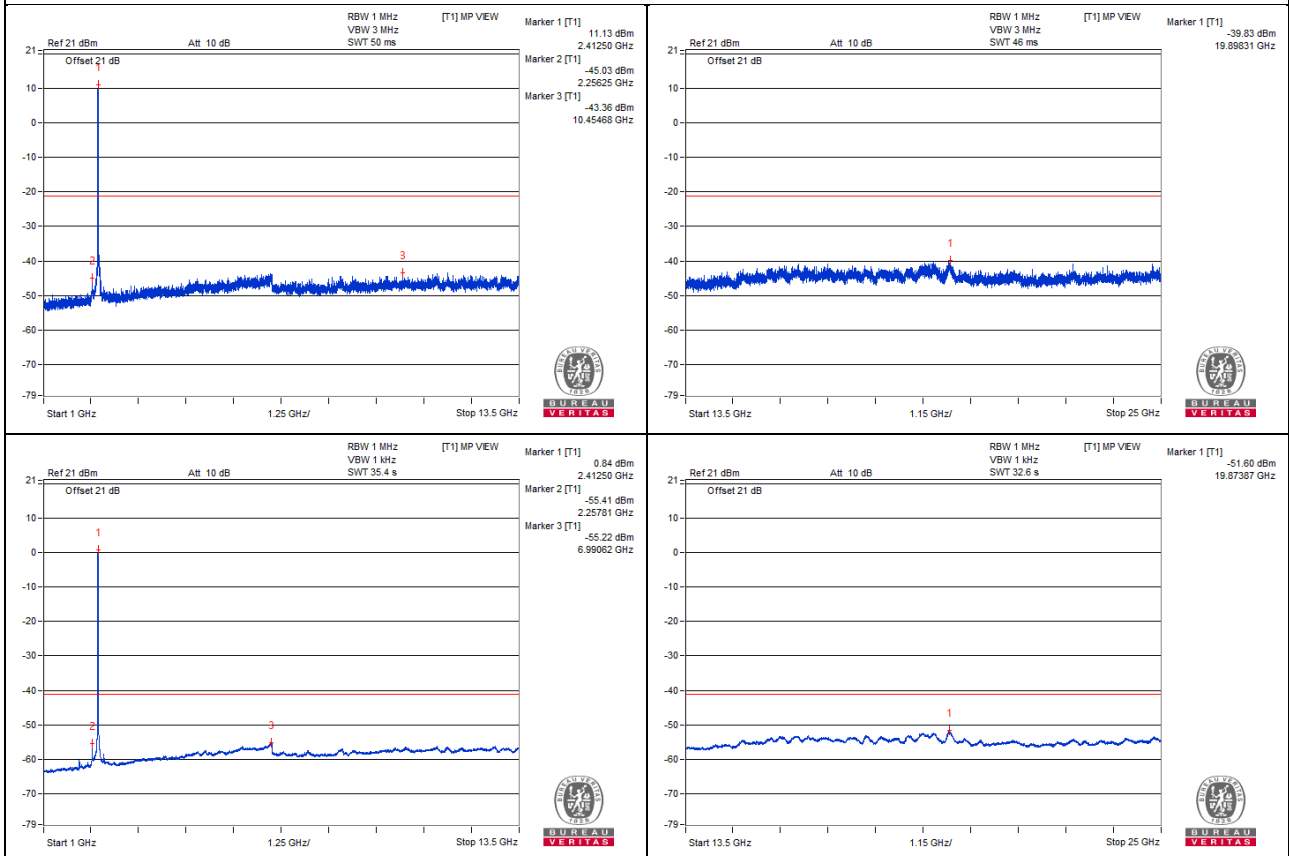
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



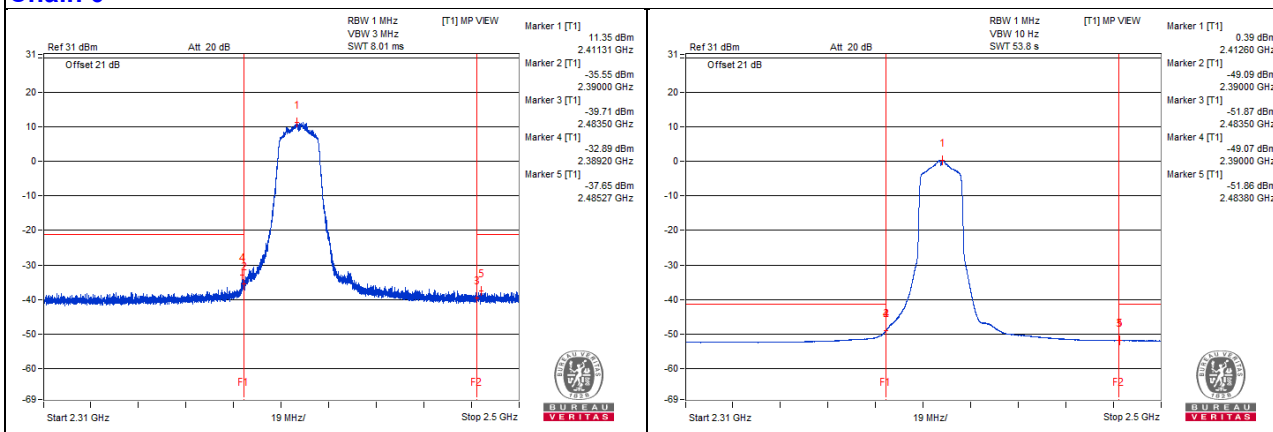
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2389.2	69.86 PK	74	-4.14	-32.89	-38.99	6.54	-25.40
2	2389.99	55.19 AV	54	! 1.19	-49.09	-50.22	6.54	-40.07
3	2499.31	66.6 PK	74	-7.4	-37.89	-38.56	6.54	-28.66
4	2484.27	52.99 AV	54	-1.01	-51.9	-51.75	6.54	-42.27

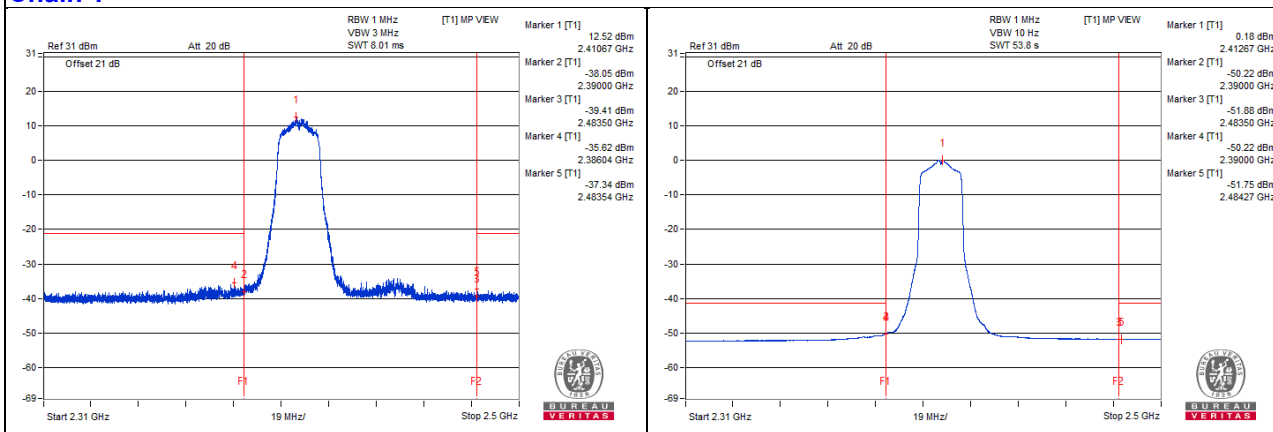
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11g - Channel 2

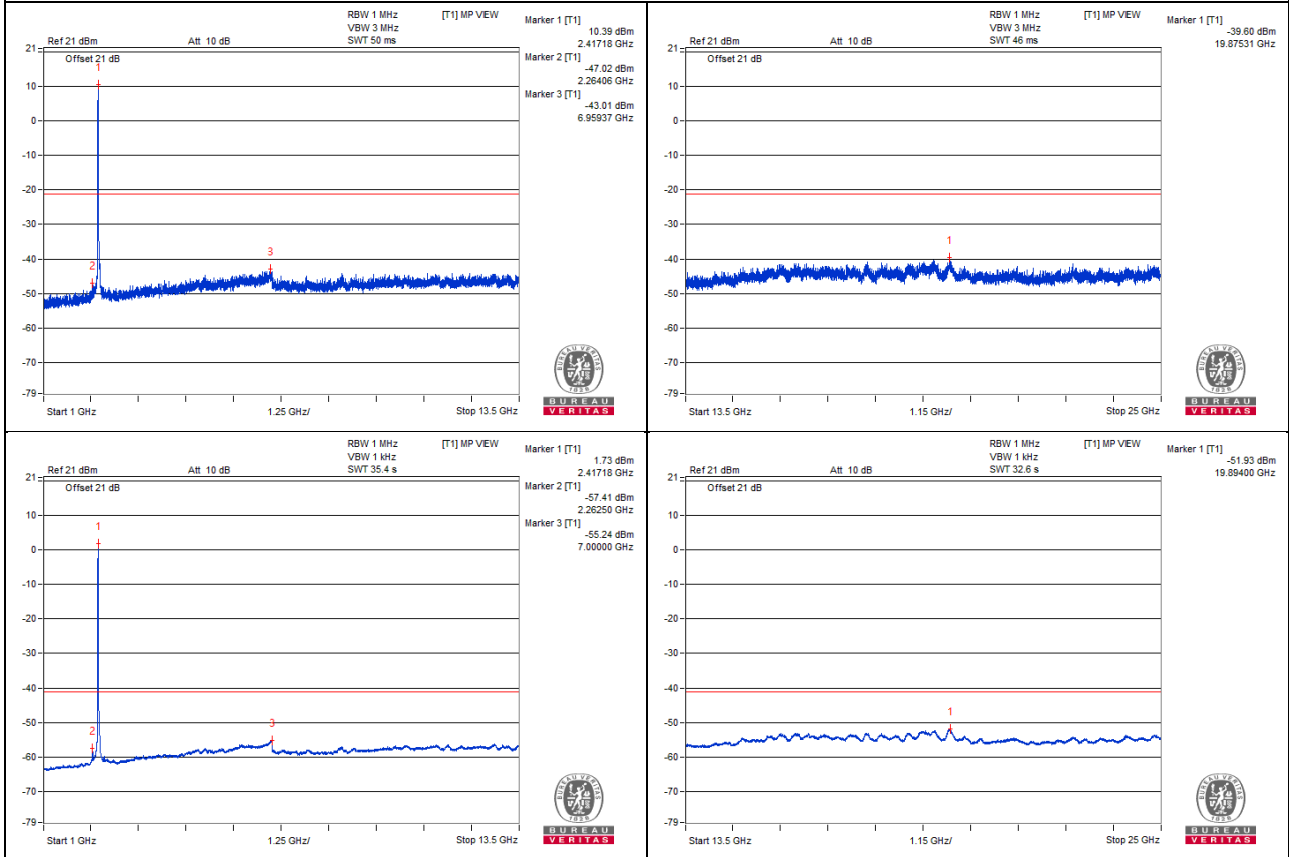
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4917.18	59.72 PK	74	-14.28	-46.48	-46.97	8.17	-35.54
2	4990.62	48.37 AV	54	-5.63	-57.95	-58.19	8.17	-46.89
3	7298.43	59.92 PK	74	-14.08	-47.2	-45.94	8.17	-35.34
4	7300	48.46 AV	54	-5.54	-58.01	-57.96	8.17	-46.80

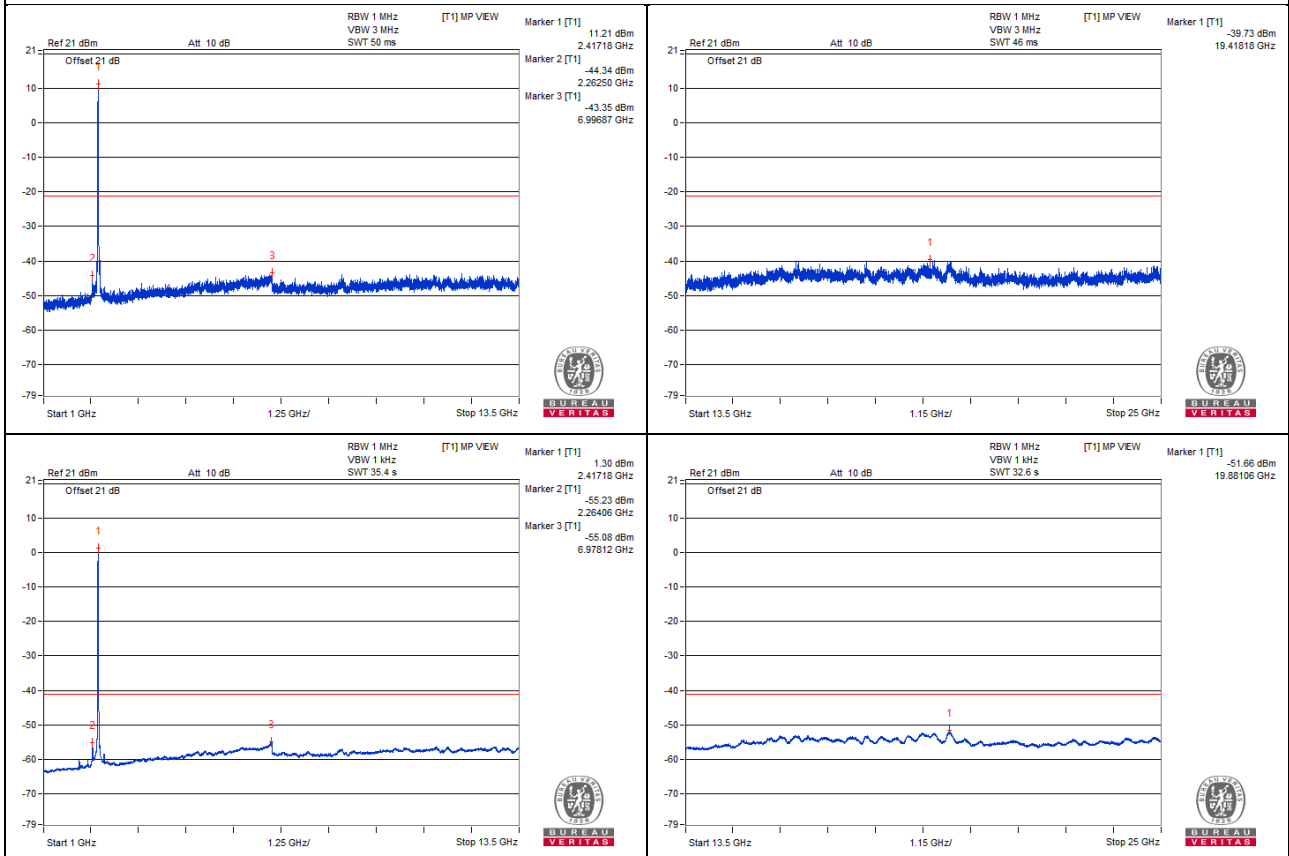
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



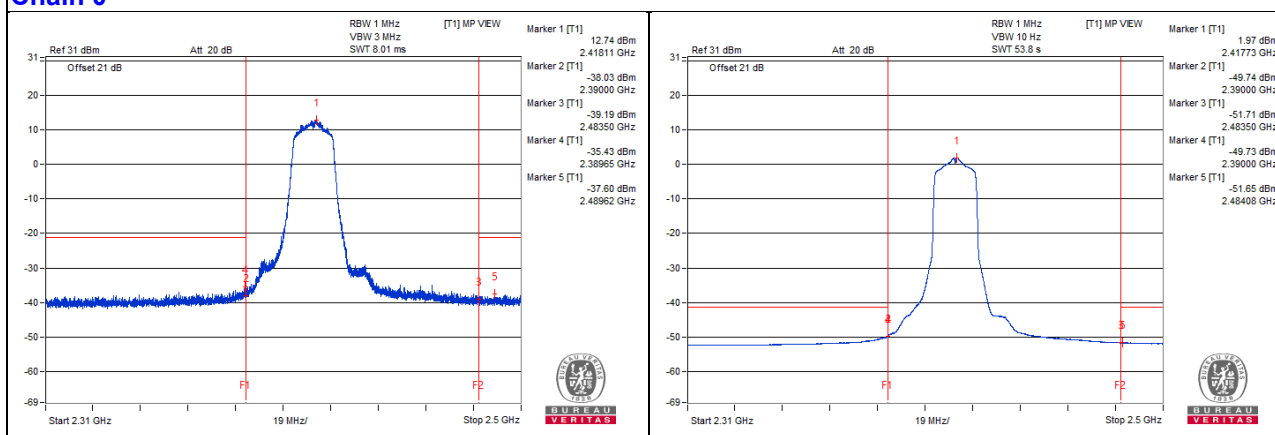
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2388.2	68.34 PK	74	-5.66	-37.22	-35.83	6.54	-26.92
2	2389.91	54.77 AV	54	! 0.77	-49.76	-50.35	6.54	-40.49
3	2499.92	66.22 PK	74	-7.78	-38.06	-39.2	6.54	-29.04
4	2484.06	53.02 AV	54	-0.98	-51.65	-51.93	6.54	-42.24

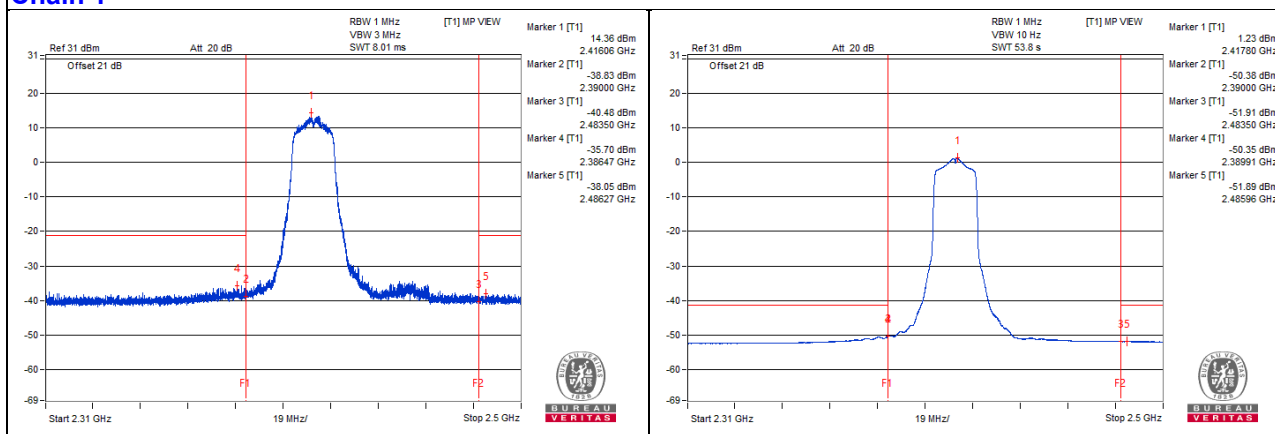
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11g - Channel 6

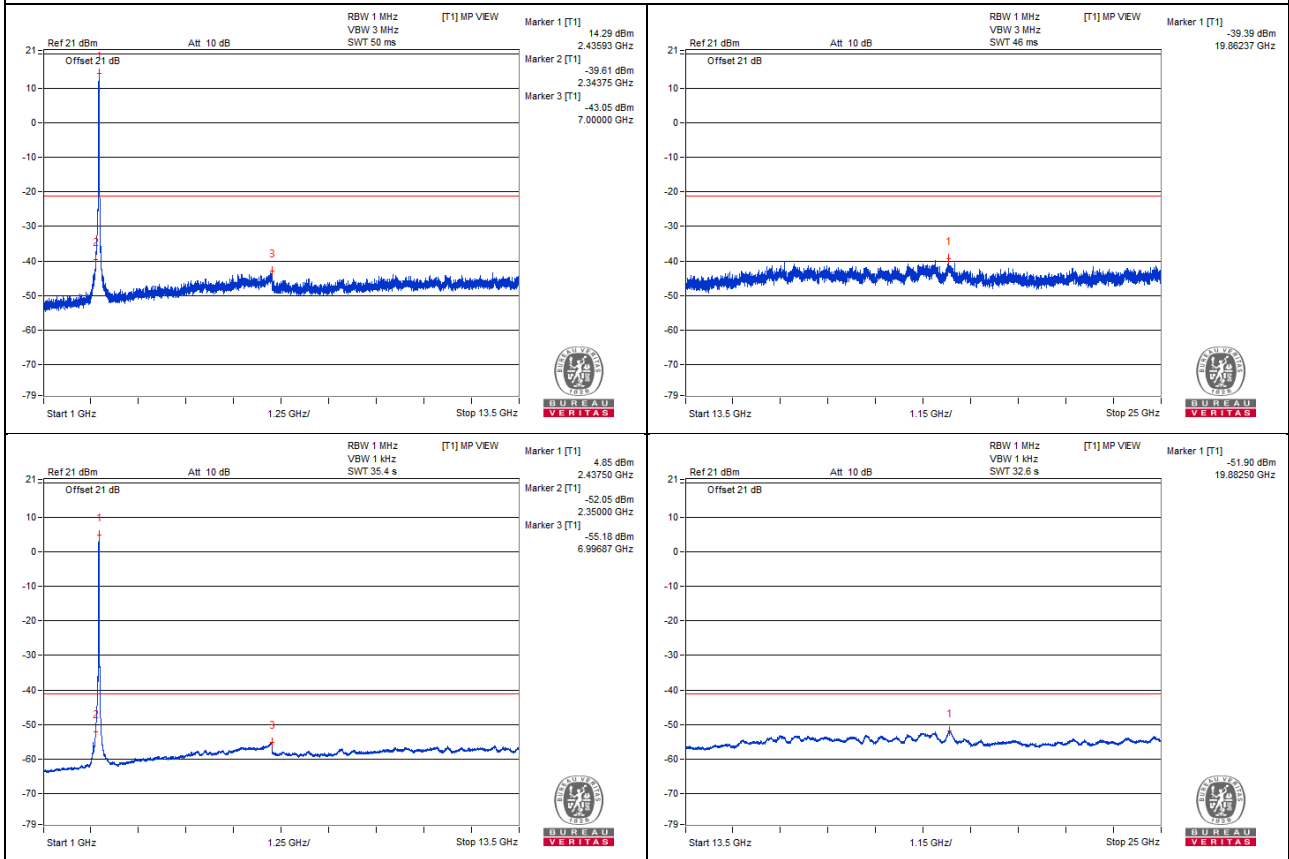
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4970.31	60.64 PK	74	-13.36	-46.08	-45.54	8.17	-34.62
2	4998.43	48.41 AV	54	-5.59	-58.04	-58.02	8.17	-46.85
3	7307.81	60.54 PK	74	-13.46	-46.74	-45.19	8.17	-34.72
4	7298.43	48.45 AV	54	-5.55	-57.97	-58.02	8.17	-46.81

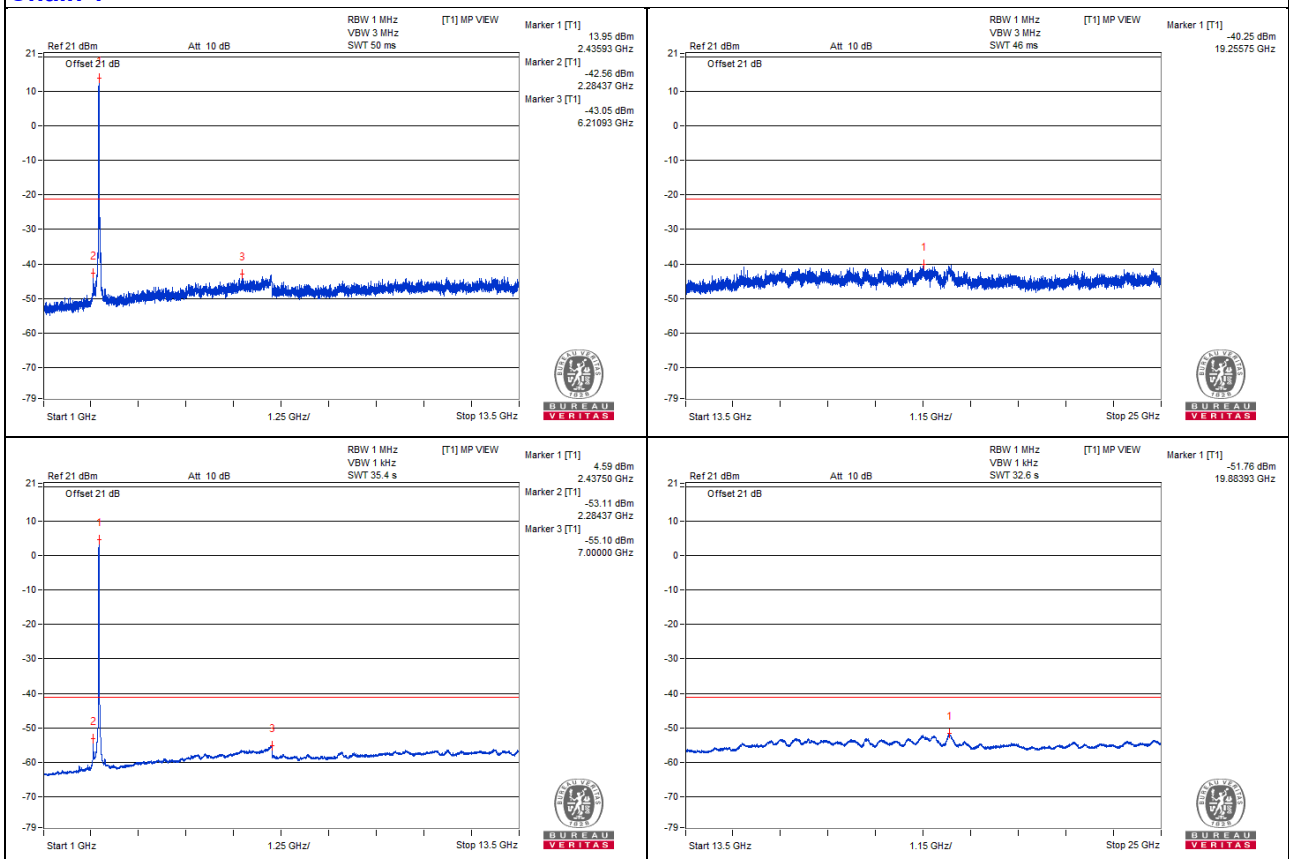
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



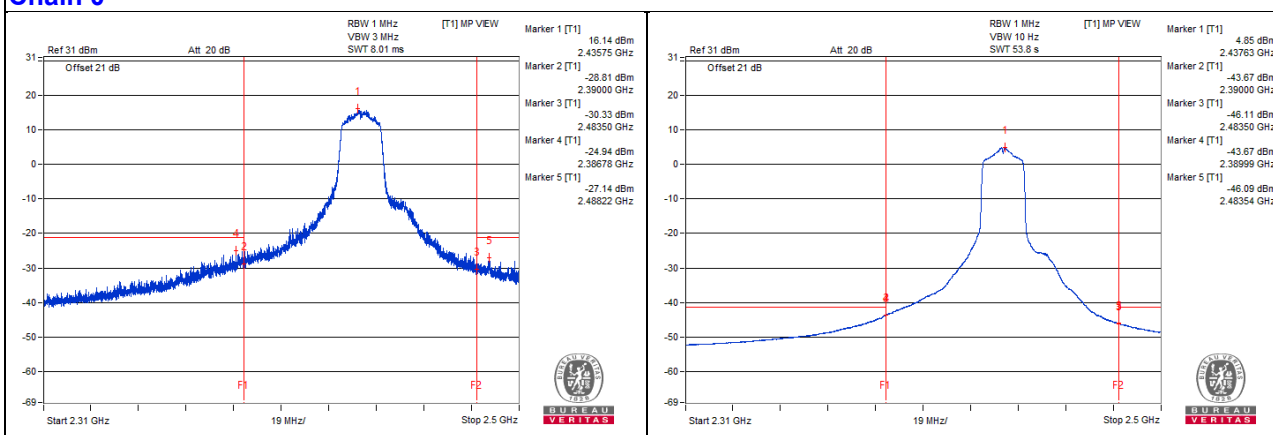
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2386.78	77.15 PK	74	! 3.15	-24.94	-36.48	6.54	-18.11
2	2389.99	59 AV	54	! 5	-43.67	-50.19	6.54	-36.26
3	2488.22	75.13 PK	74	! 1.13	-27.14	-36.57	6.54	-20.13
4	2483.54	57.3 AV	54	! 3.3	-46.09	-49.63	6.54	-37.96

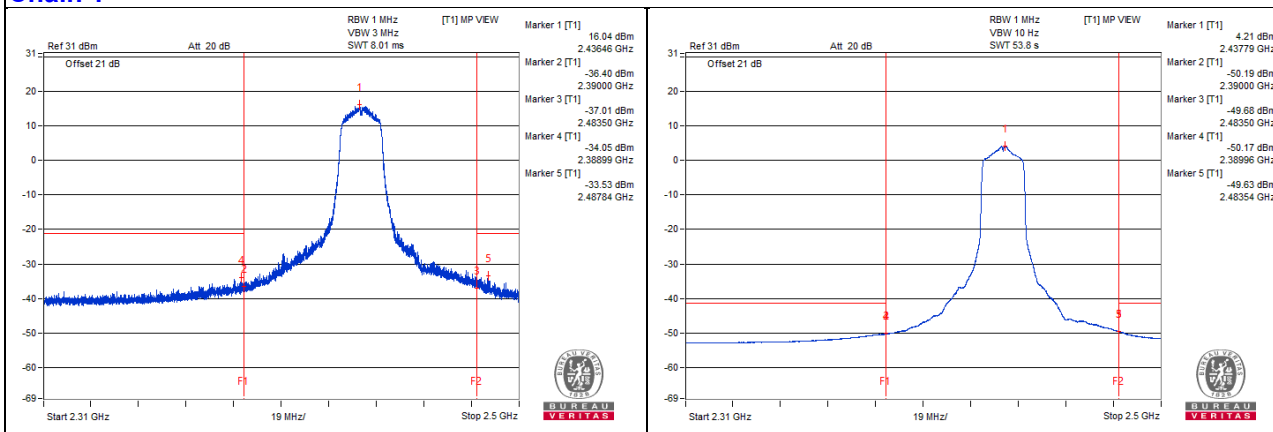
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11g - Channel 10

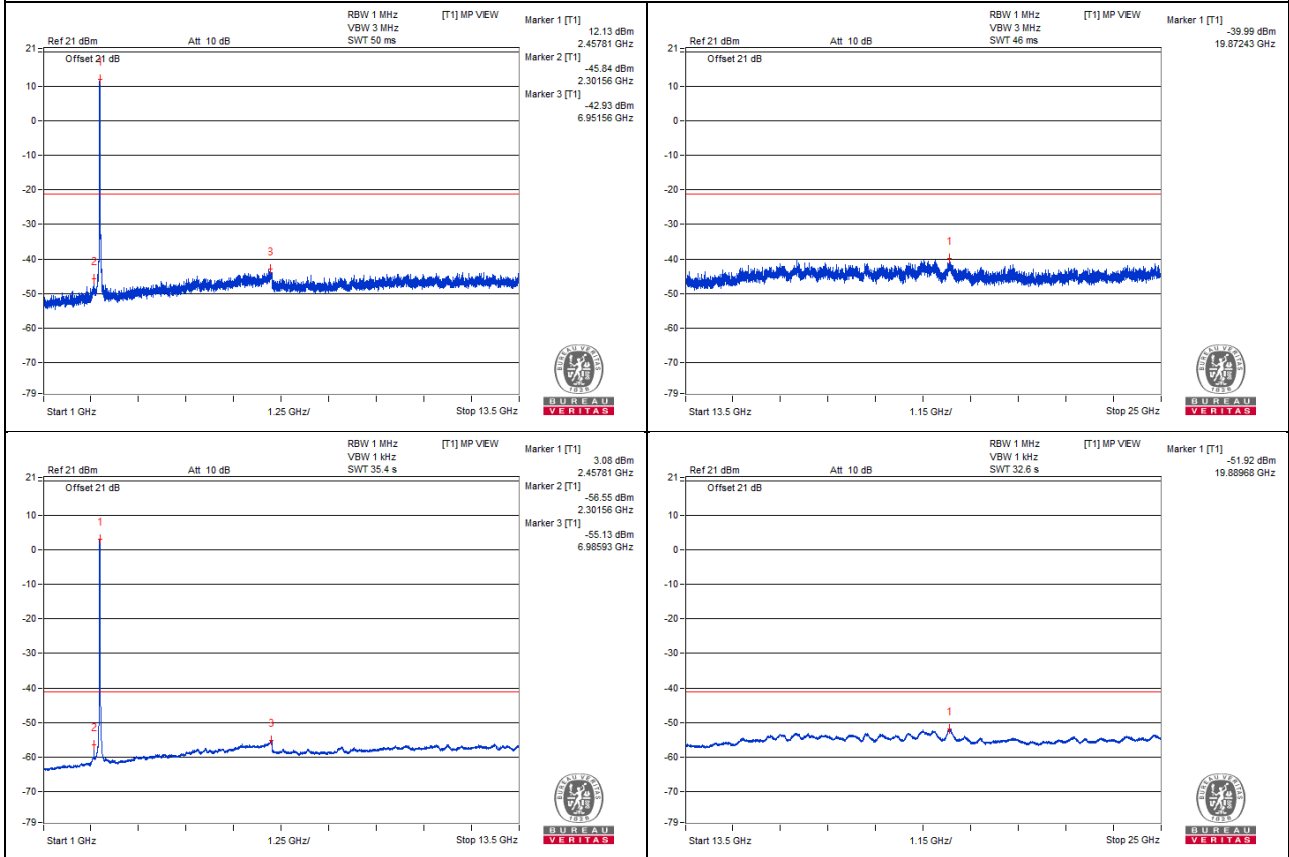
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4915.62	60.07 PK	74	-13.93	-45.8	-47.02	8.17	-35.19
2	4998.43	48.42 AV	54	-5.58	-58.2	-57.84	8.17	-46.84
3	7301.56	60.39 PK	74	-13.61	-47.05	-45.24	8.17	-34.87
4	7293.75	48.47 AV	54	-5.53	-57.79	-58.15	8.17	-46.79

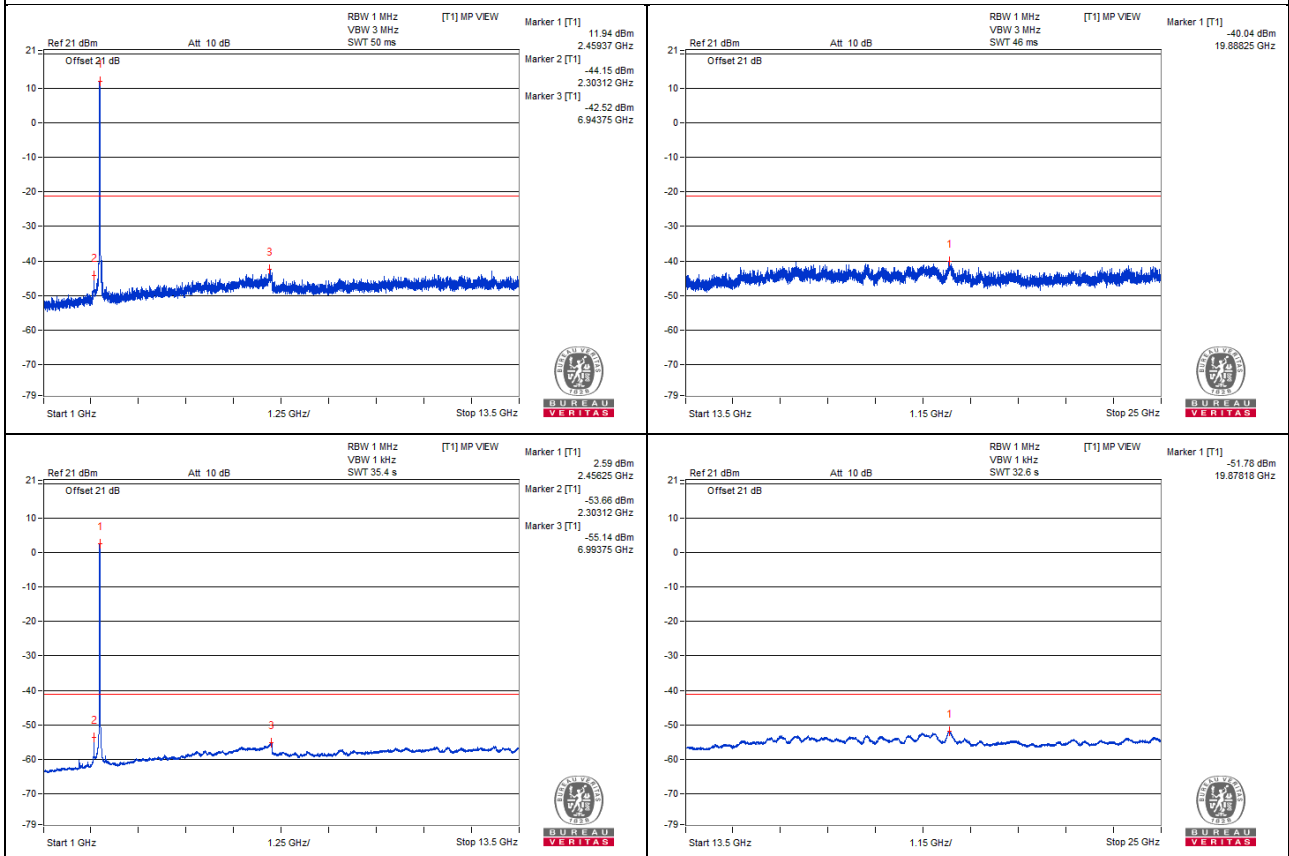
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



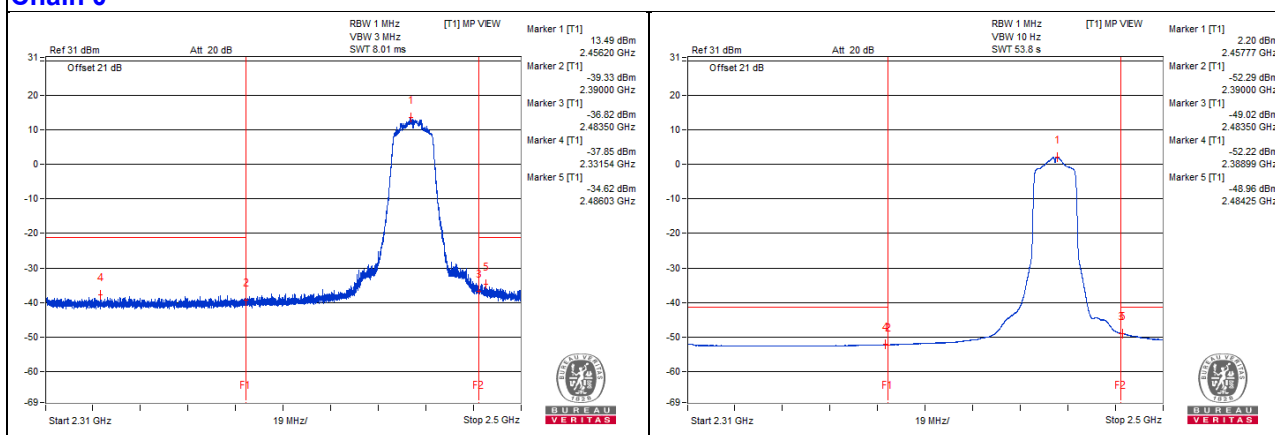
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2310.28	65.99 PK	74	-8.01	-38.68	-38.96	6.54	-29.27
2	2310.16	53.23 AV	54	-0.77	-52.02	-51.18	6.54	-42.03
3	2484.42	69.48 PK	74	-4.52	-34.81	-35.92	6.54	-25.78
4	2485.13	55.21 AV	54	! 1.21	-49.15	-50.11	6.54	-40.05

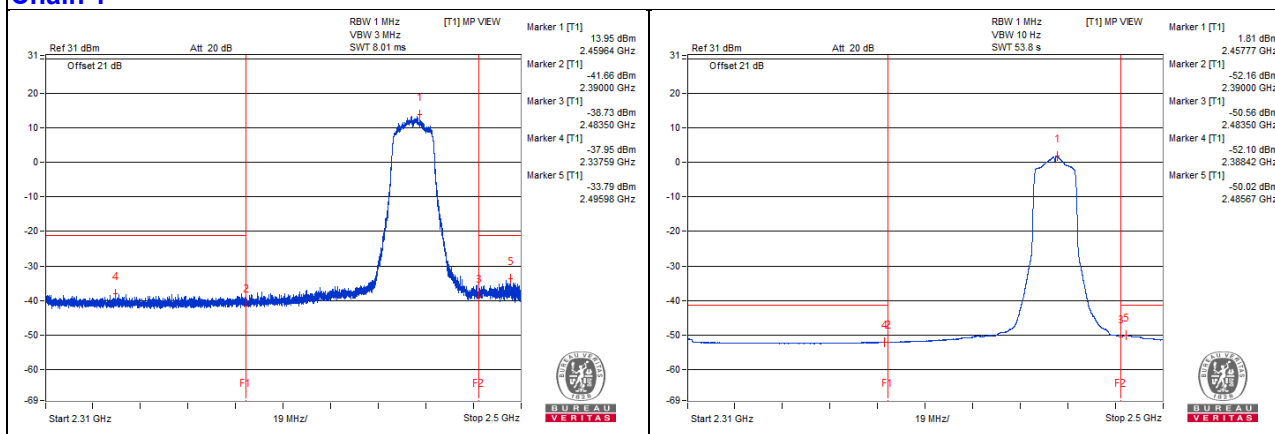
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11g - Channel 11

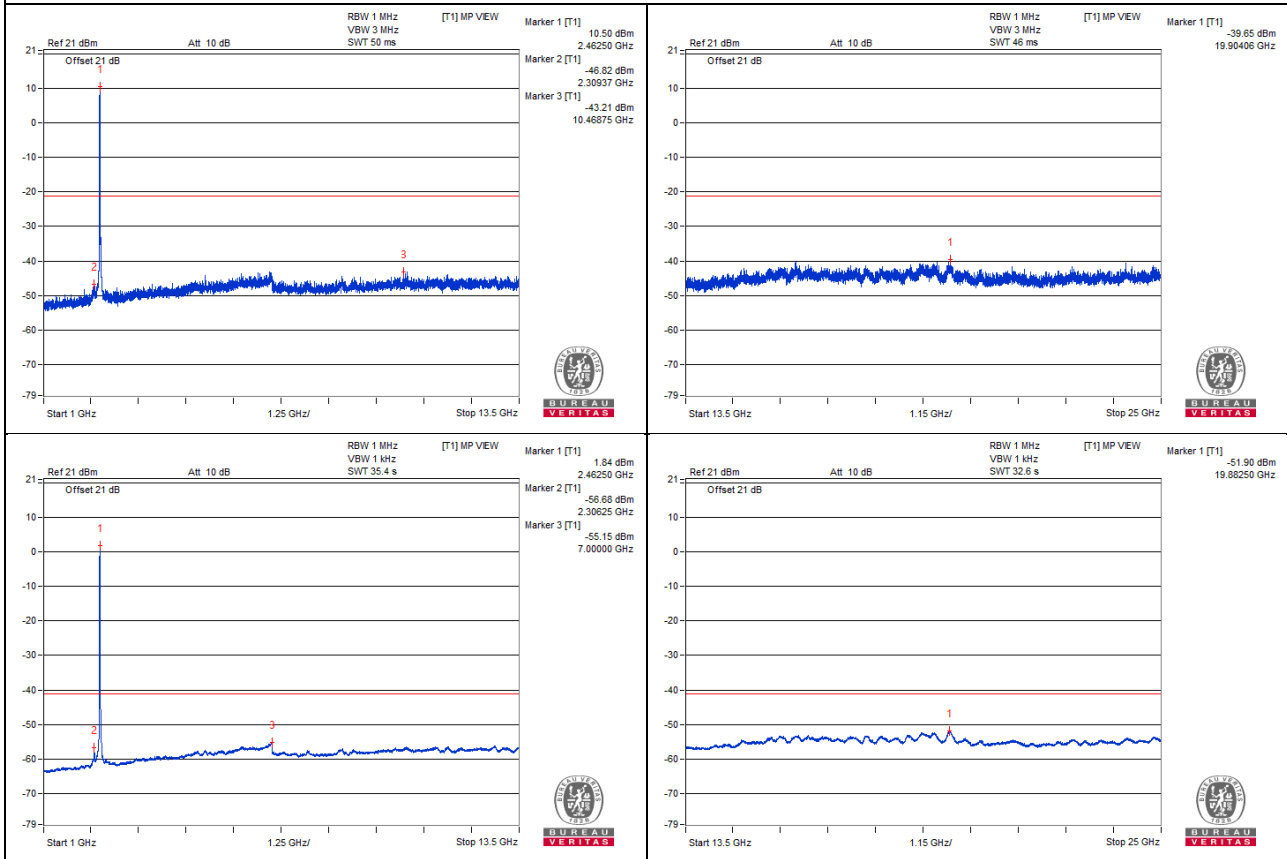
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4982.81	60.29 PK	74	-13.71	-45.63	-46.74	8.17	-34.97
2	4995.31	48.37 AV	54	-5.63	-58.18	-57.97	8.17	-46.89
3	7300	60.15 PK	74	-13.85	-46.89	-45.77	8.17	-35.11
4	7295.31	48.43 AV	54	-5.57	-57.98	-58.04	8.17	-46.83

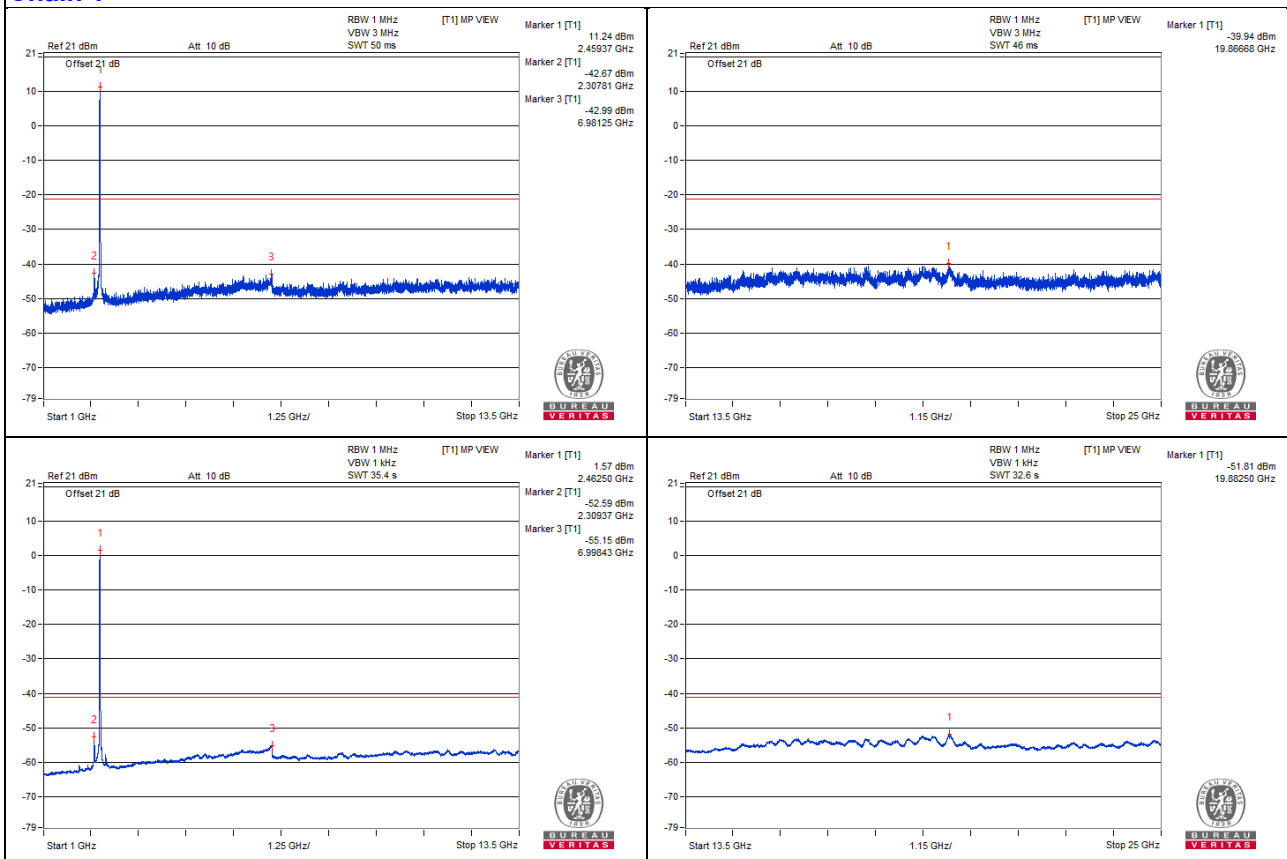
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



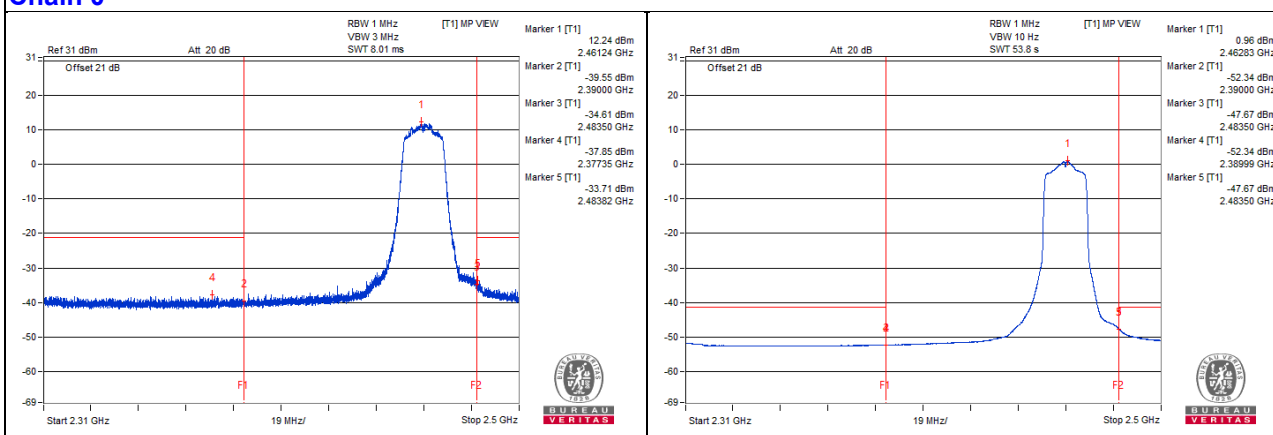
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2310.95	67.24 PK	74	-6.76	-39.42	-36.28	6.54	-28.02
2	2310.07	53.81 AV	54	-0.19	-51.78	-50.34	6.54	-41.45
3	2484.37	69.75 PK	74	-4.25	-33.72	-37.02	6.54	-25.51
4	2483.51	56.17 AV	54	! 2.17	-47.69	-49.87	6.54	-39.09

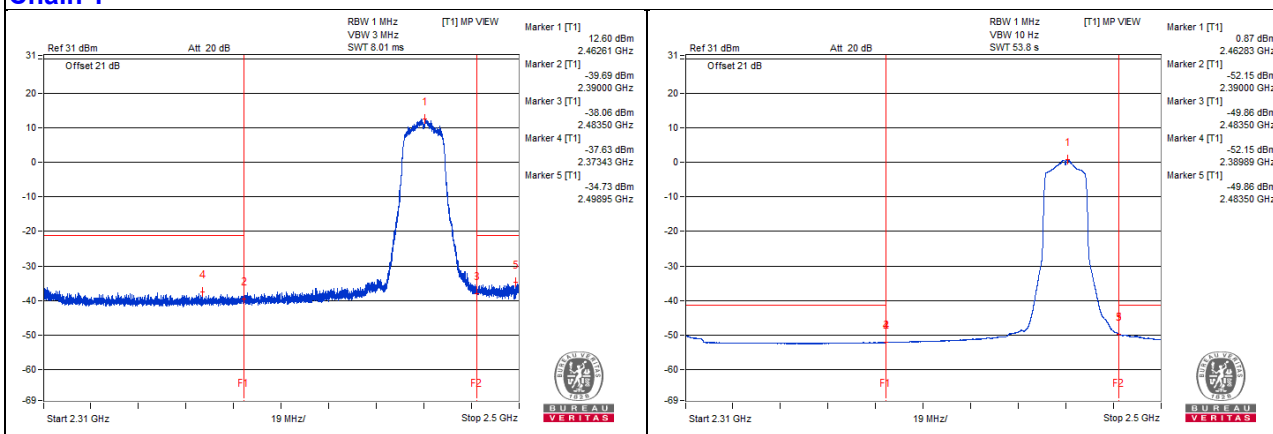
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11g - Channel 12

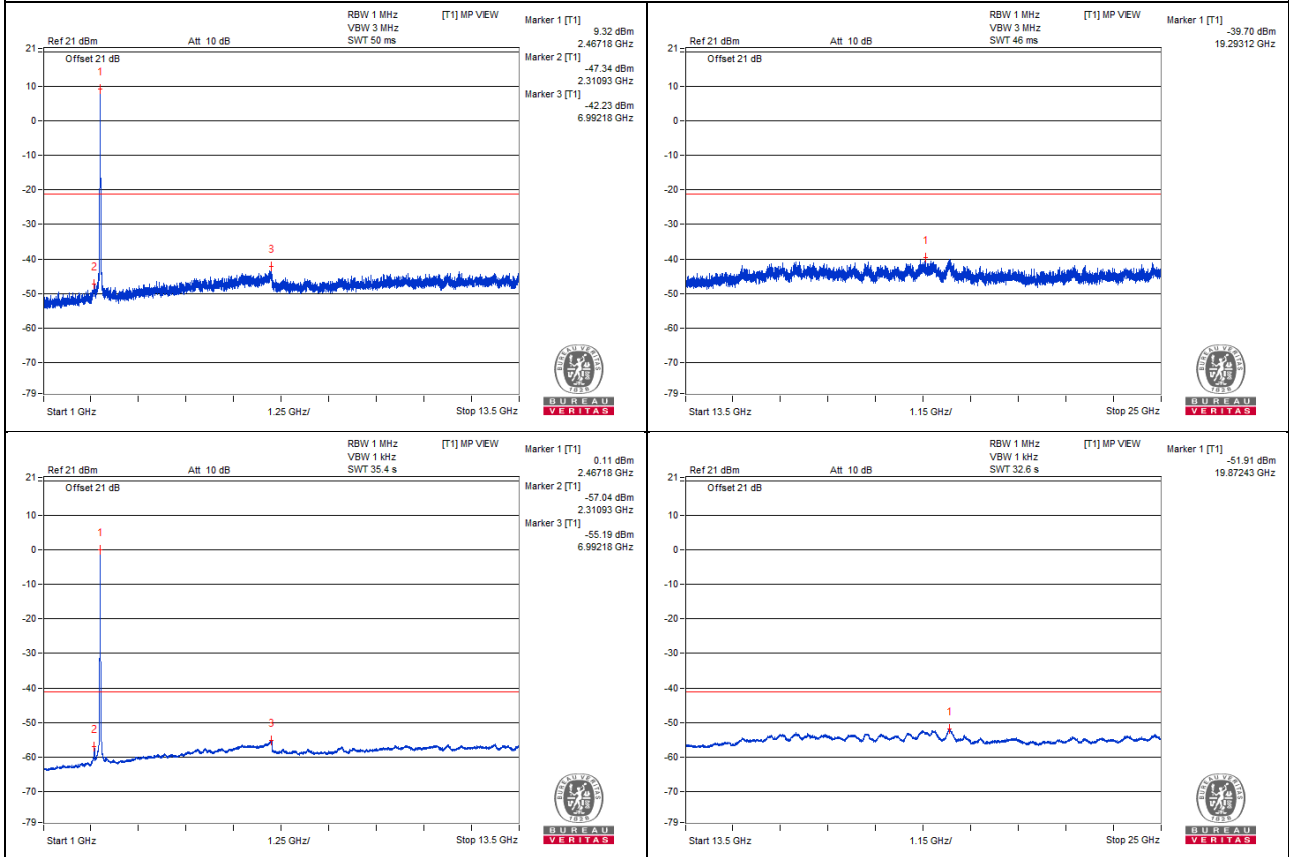
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4971.87	59.97 PK	74	-14.03	-46.65	-46.29	8.17	-35.29
2	5000	48.35 AV	54	-5.65	-58.18	-58.01	8.17	-46.91
3	7306.25	60.35 PK	74	-13.65	-45.91	-46.27	8.17	-34.91
4	7309.37	48.48 AV	54	-5.52	-57.87	-58.06	8.17	-46.78

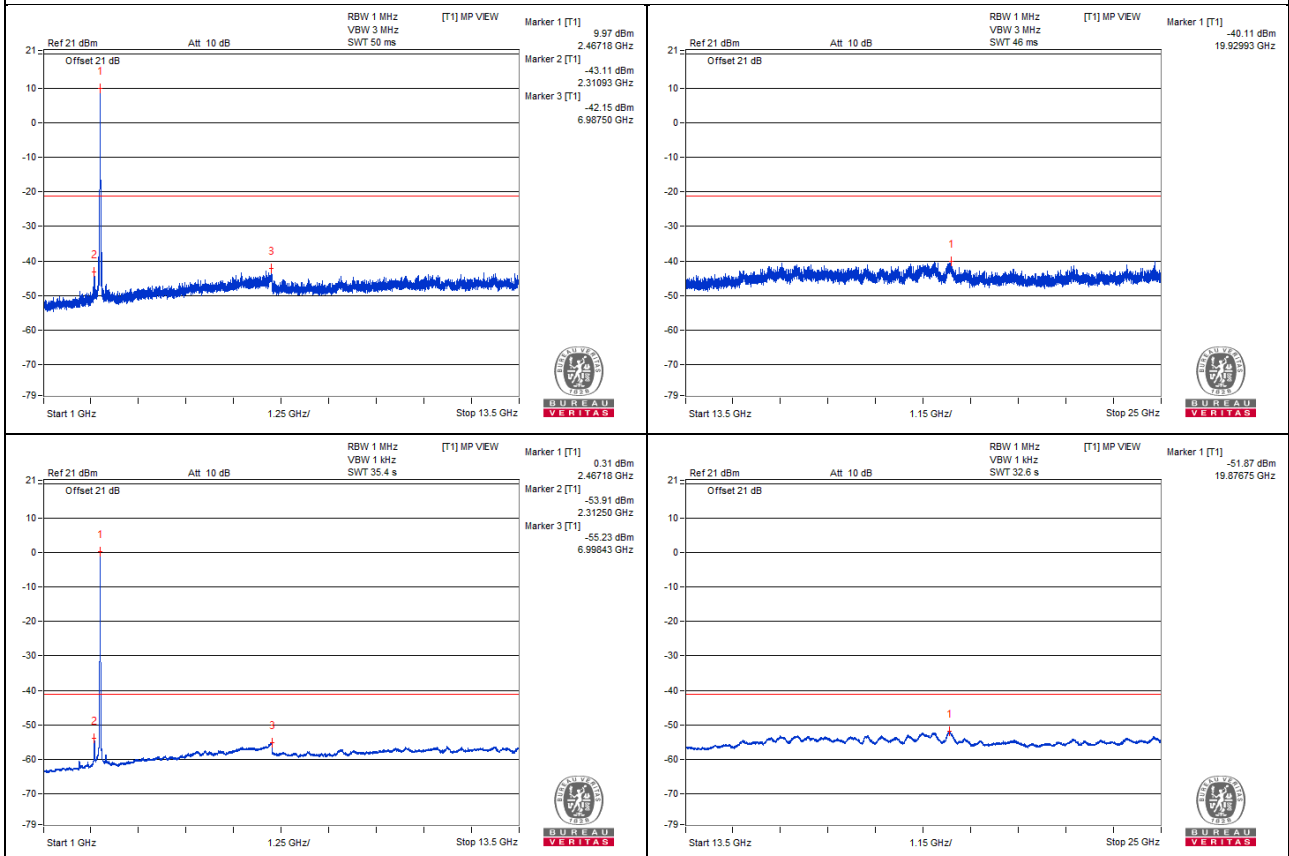
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



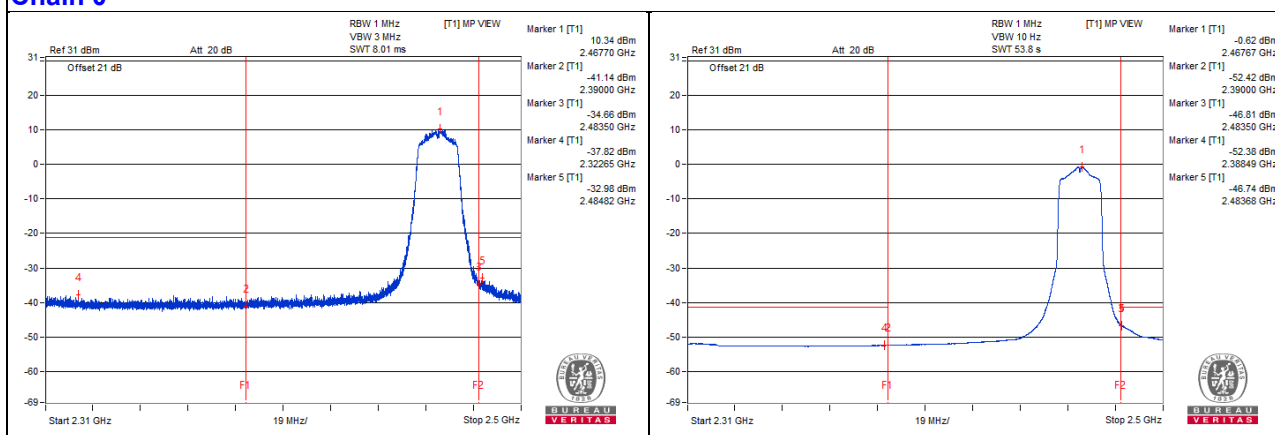
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2313.34	66.88 PK	74	-7.12	-38.91	-37.13	6.54	-28.38
2	2314.27	53.55 AV	54	-0.45	-51.94	-50.67	6.54	-41.71
3	2484.8	70.34 PK	74	-3.66	-33.86	-35.17	6.54	-24.92
4	2483.68	57.2 AV	54	! 3.2	-46.74	-48.69	6.54	-38.06

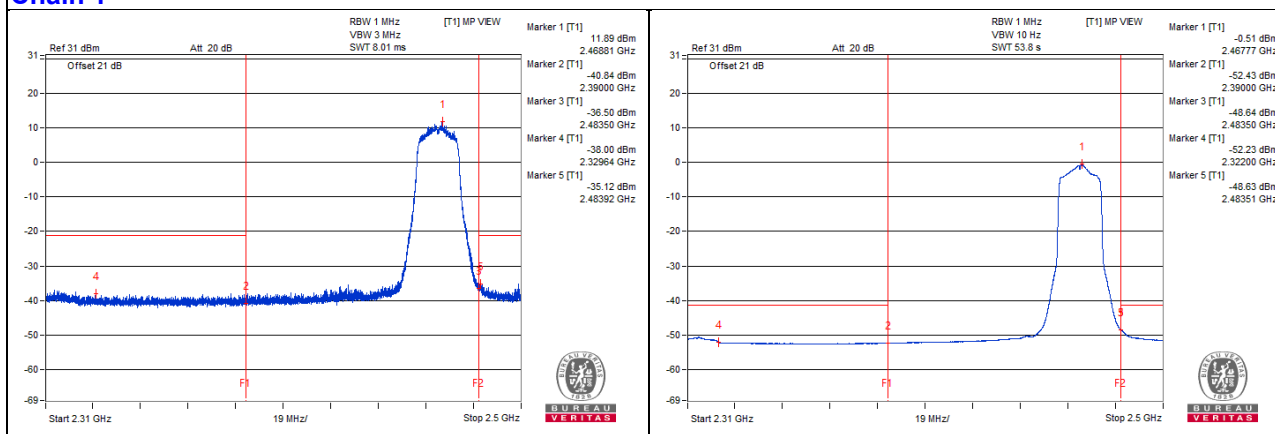
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11g - Channel 13

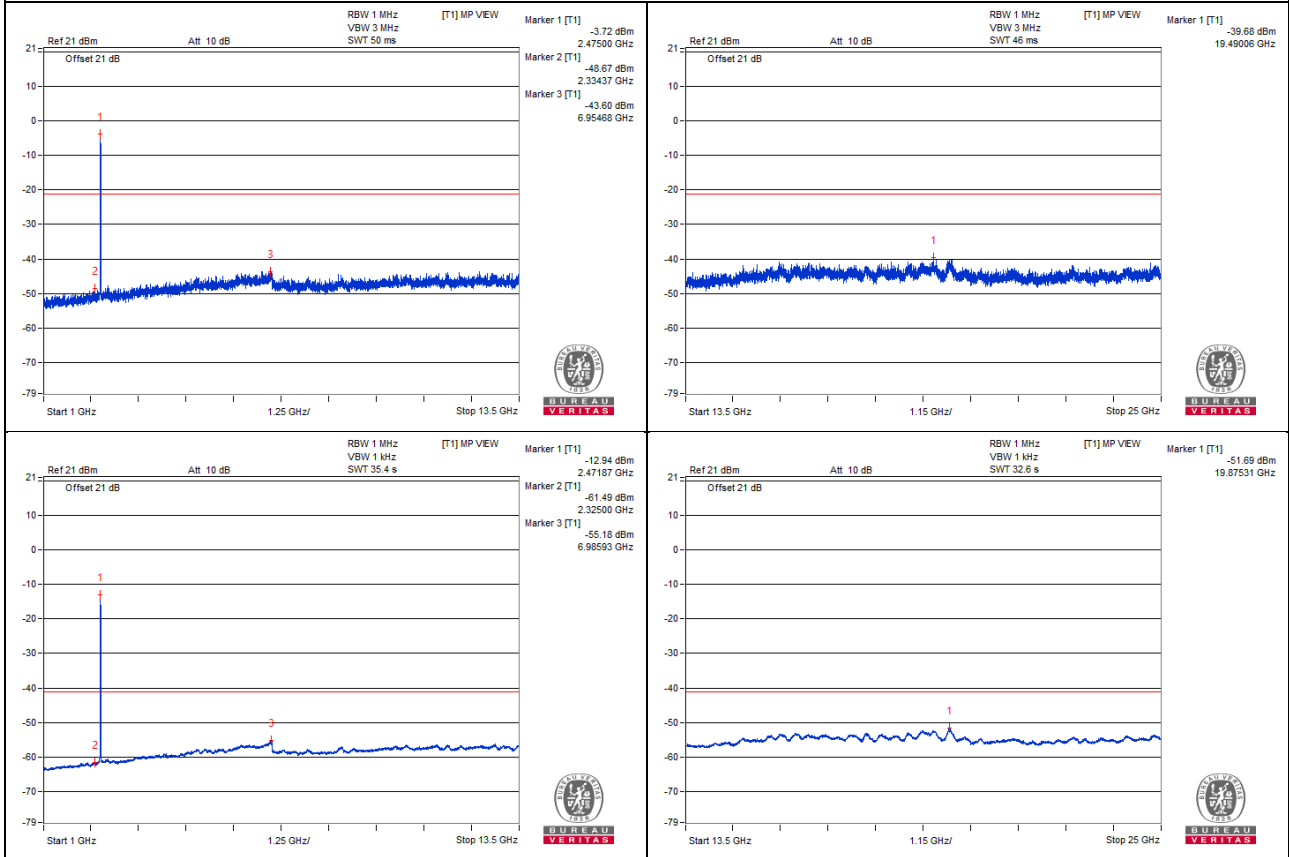
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4928.12	60.5 PK	74	-13.5	-46.51	-45.44	8.17	-34.76
2	4985.93	48.26 AV	54	-5.74	-58.31	-58.06	8.17	-47.00
3	7295.31	60.23 PK	74	-13.77	-46.68	-45.79	8.17	-35.03
4	7300	48.49 AV	54	-5.51	-58.07	-57.84	8.17	-46.77

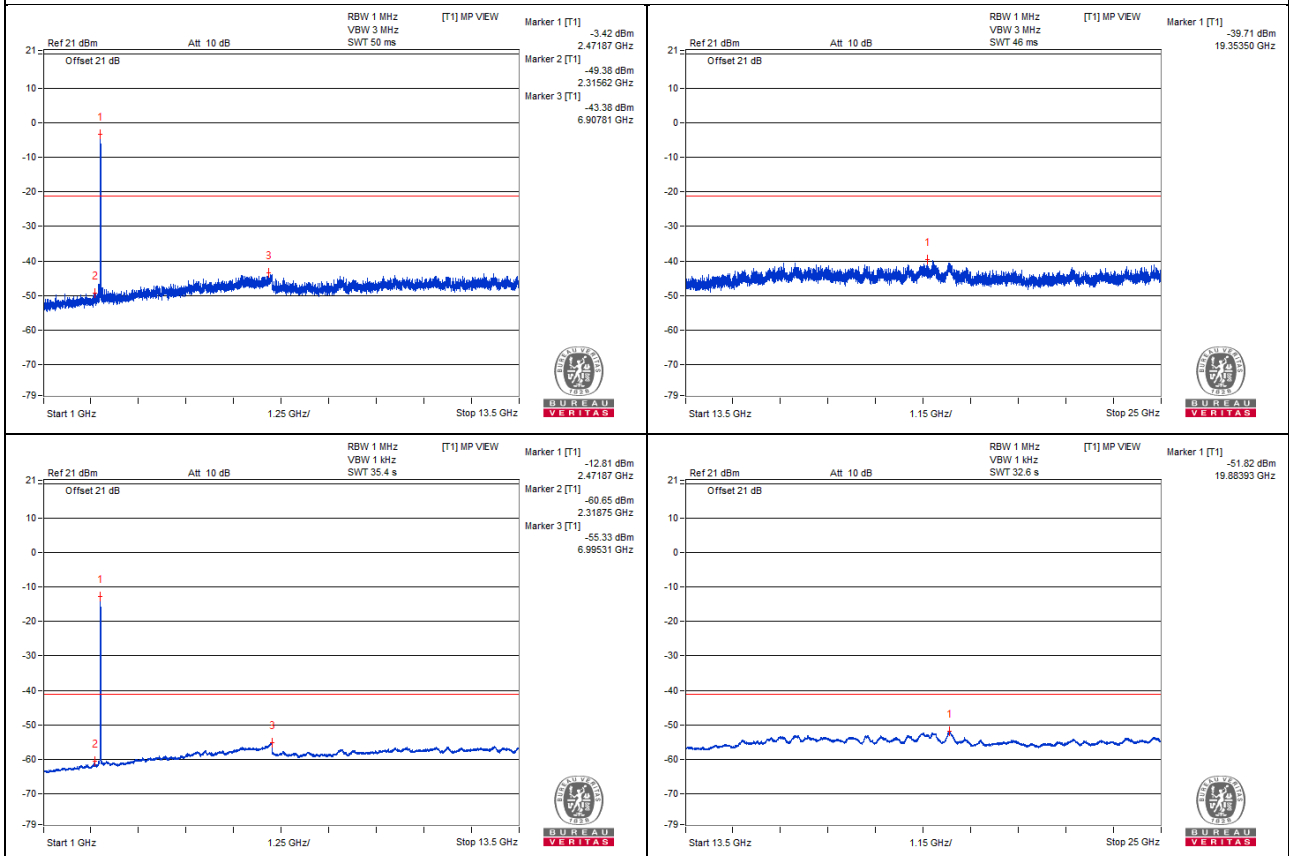
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



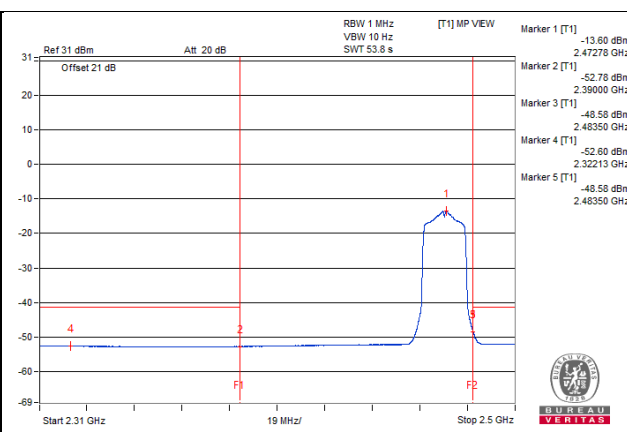
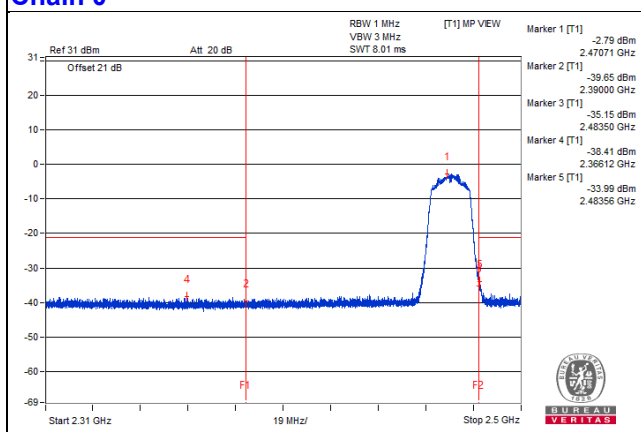
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2379.06	65.91 PK	74	-8.09	-39.24	-38.59	6.54	-29.35
2	2314.94	52.31 AV	54	-1.69	-52.56	-52.45	6.54	-42.95
3	2483.56	71.15 PK	74	-2.85	-33.99	-33.36	6.54	-24.11
4	2483.51	56.29 AV	54	! 2.29	-48.59	-48.45	6.54	-38.97

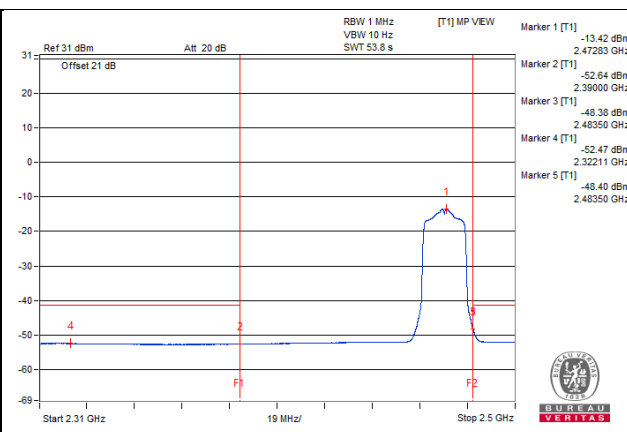
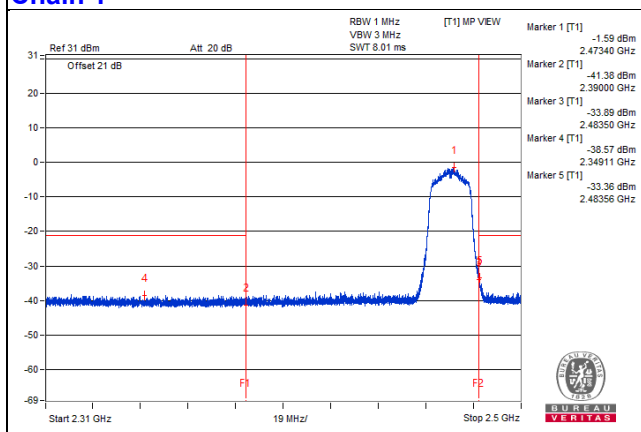
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11ax (HE20) - Channel 1

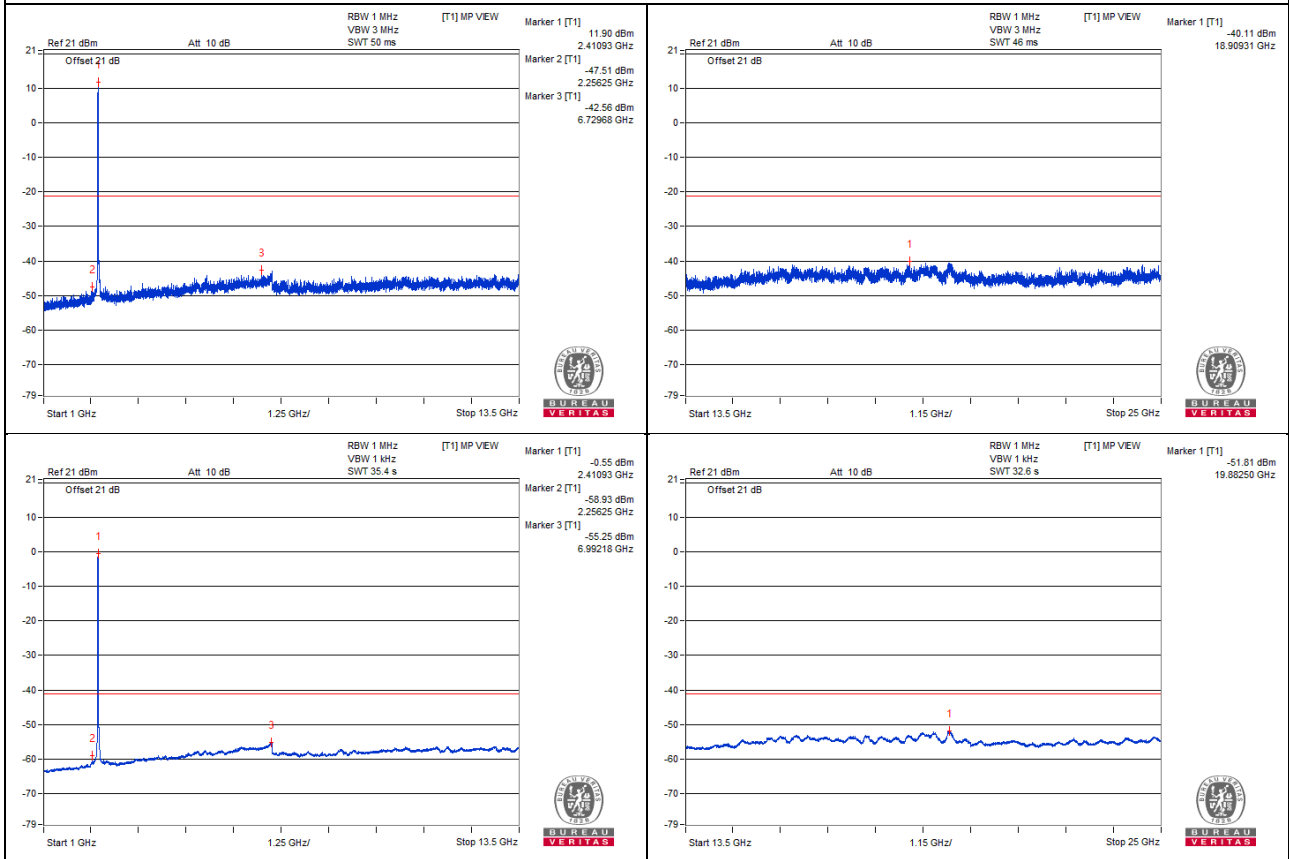
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4948.43	60.05 PK	74	-13.95	-45.09	-48.26	8.17	-35.21
2	4981.25	48.35 AV	54	-5.65	-58.07	-58.12	8.17	-46.91
3	7320.31	60.28 PK	74	-13.72	-45.76	-46.61	8.17	-34.98
4	7290.62	48.41 AV	54	-5.59	-57.98	-58.08	8.17	-46.85

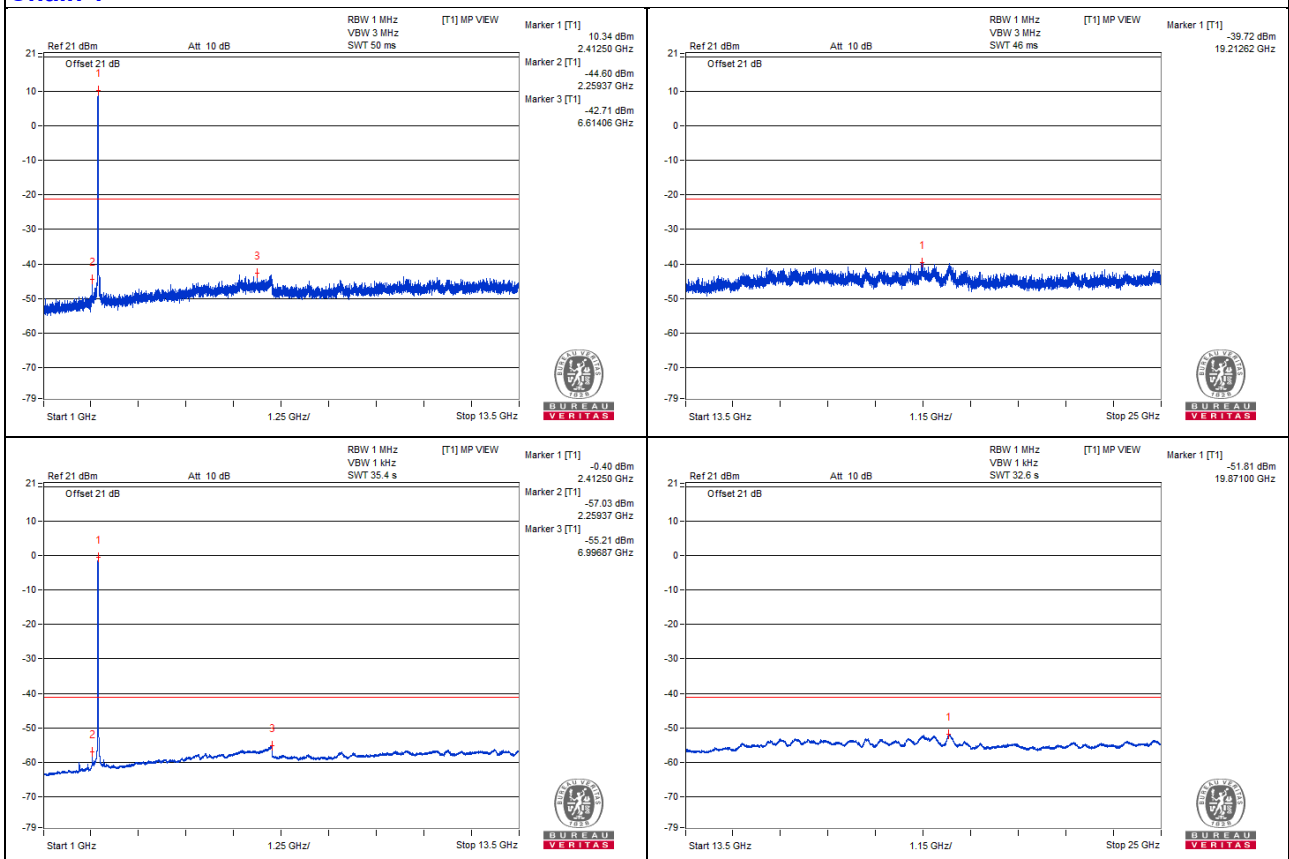
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



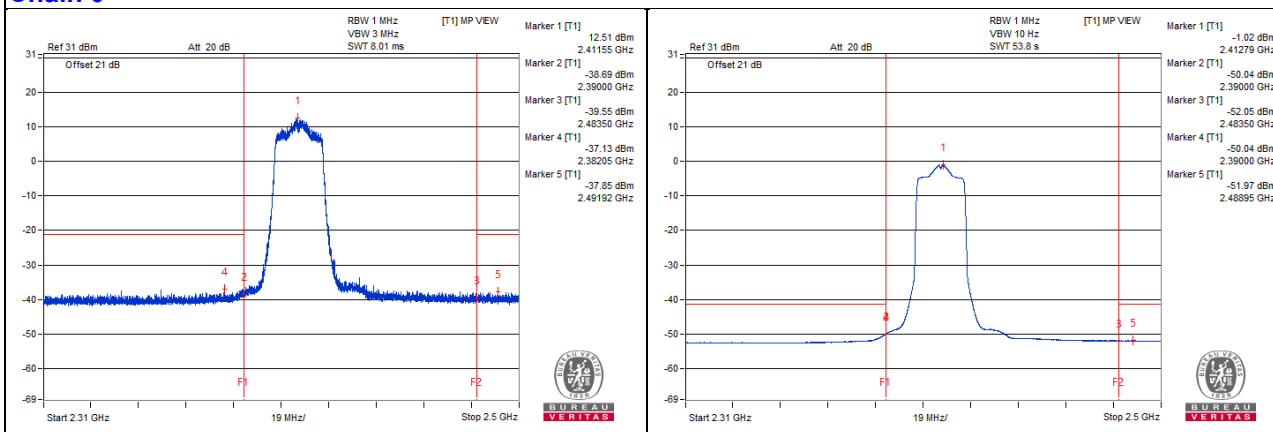
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2389.58	67.5 PK	74	-6.5	-37.58	-37.06	6.54	-27.76
2	2389.99	54.18 AV	54	! 0.18	-50.04	-51.31	6.54	-41.08
3	2492.04	66.34 PK	74	-7.66	-39.66	-37.54	6.54	-28.92
4	2488.31	52.87 AV	54	-1.13	-52	-51.88	6.54	-42.39

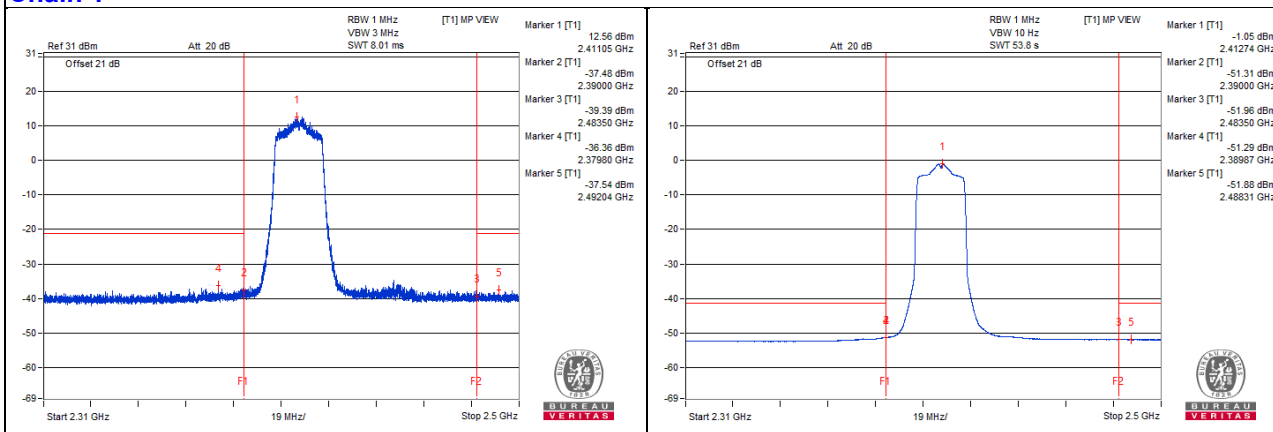
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11ax (HE20) - Channel 2

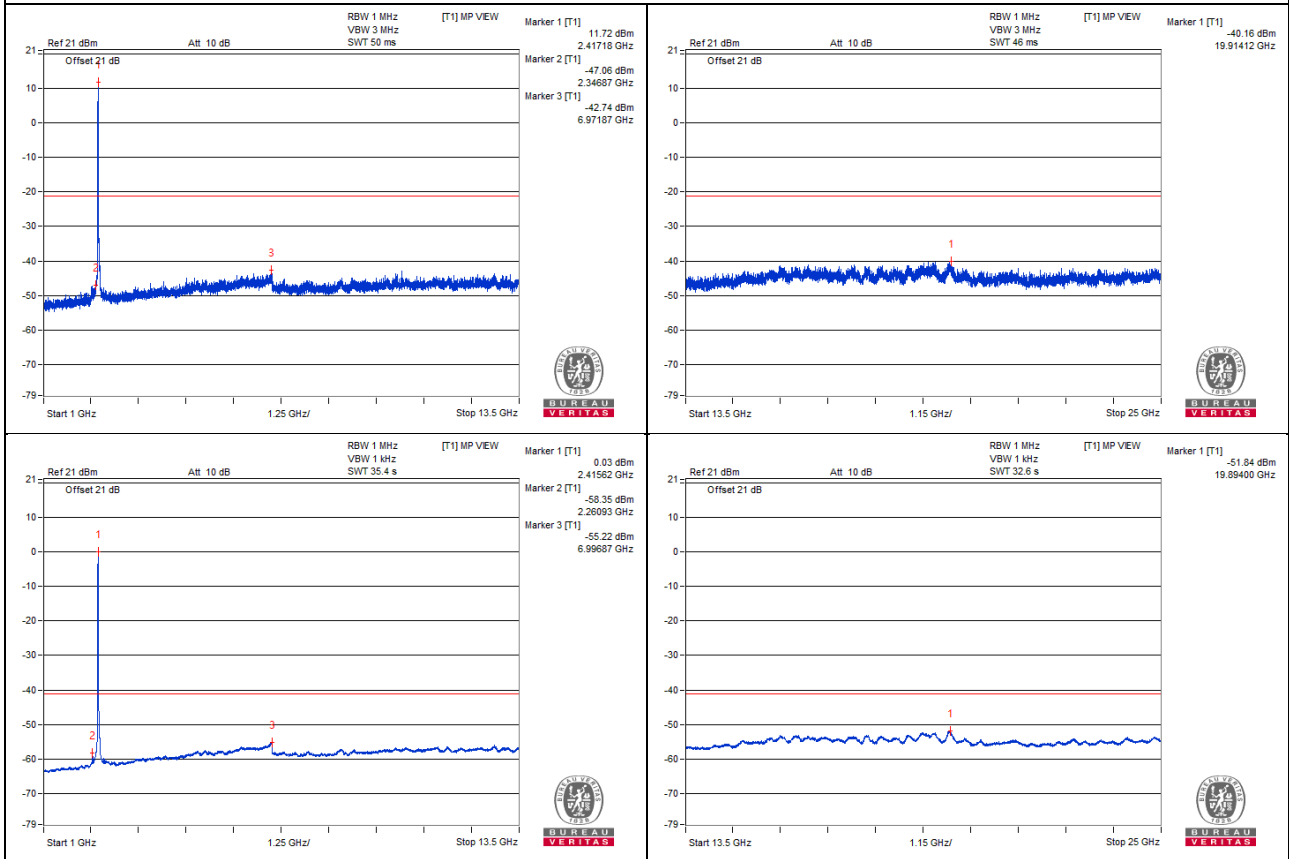
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4956.25	60.62 PK	74	-13.38	-44.97	-46.87	8.17	-34.64
2	4984.37	48.33 AV	54	-5.67	-58.4	-57.83	8.17	-46.93
3	7325	60.14 PK	74	-13.86	-45.36	-47.51	8.17	-35.12
4	7293.75	48.49 AV	54	-5.51	-57.99	-57.92	8.17	-46.77

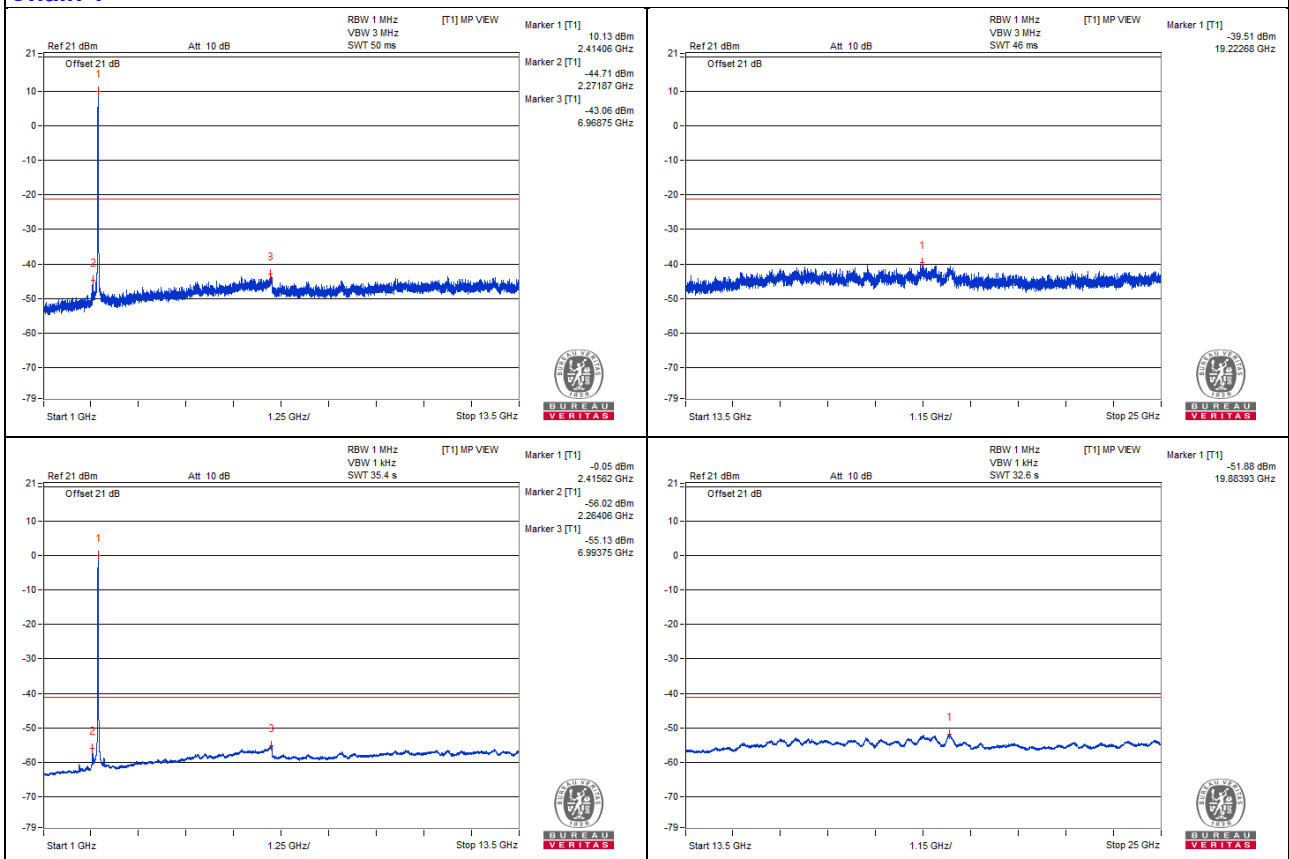
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



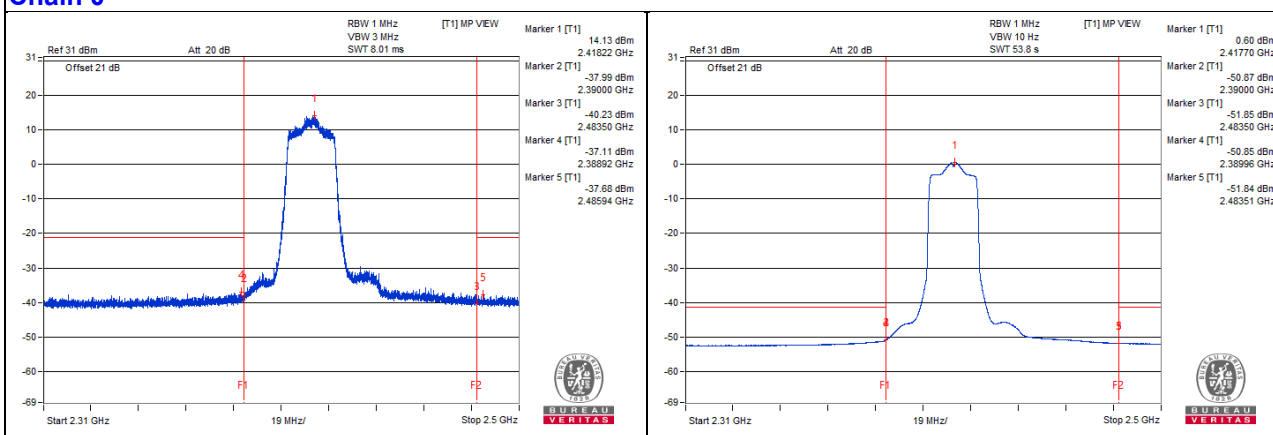
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2386.28	67.74 PK	74	-6.26	-37.45	-36.73	6.54	-27.52
2	2389.99	54.03 AV	54	! 0.03	-50.87	-50.7	6.54	-41.23
3	2491.09	66.91 PK	74	-7.09	-37.95	-37.85	6.54	-28.35
4	2484.65	52.91 AV	54	-1.09	-51.86	-51.95	6.54	-42.35

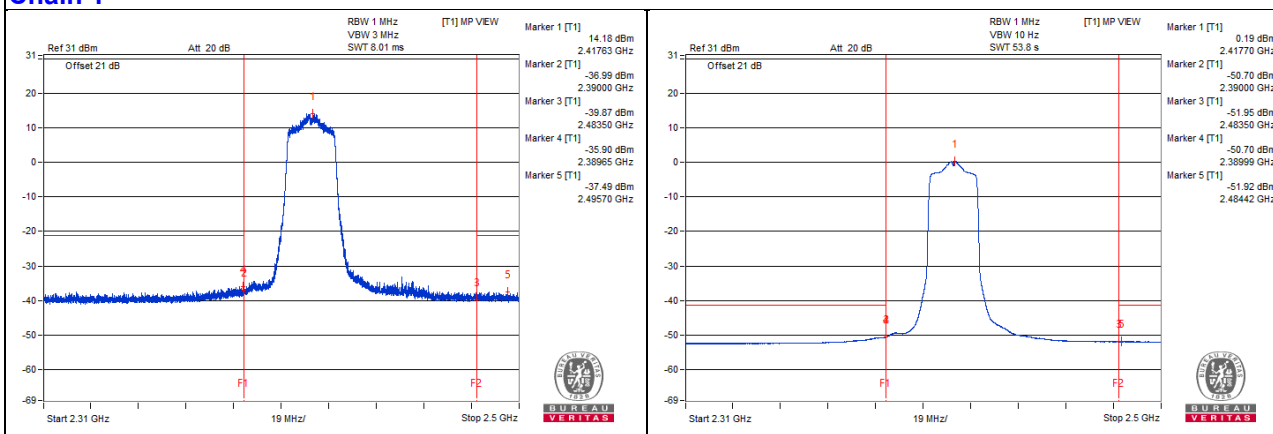
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11ax (HE20) - Channel 6

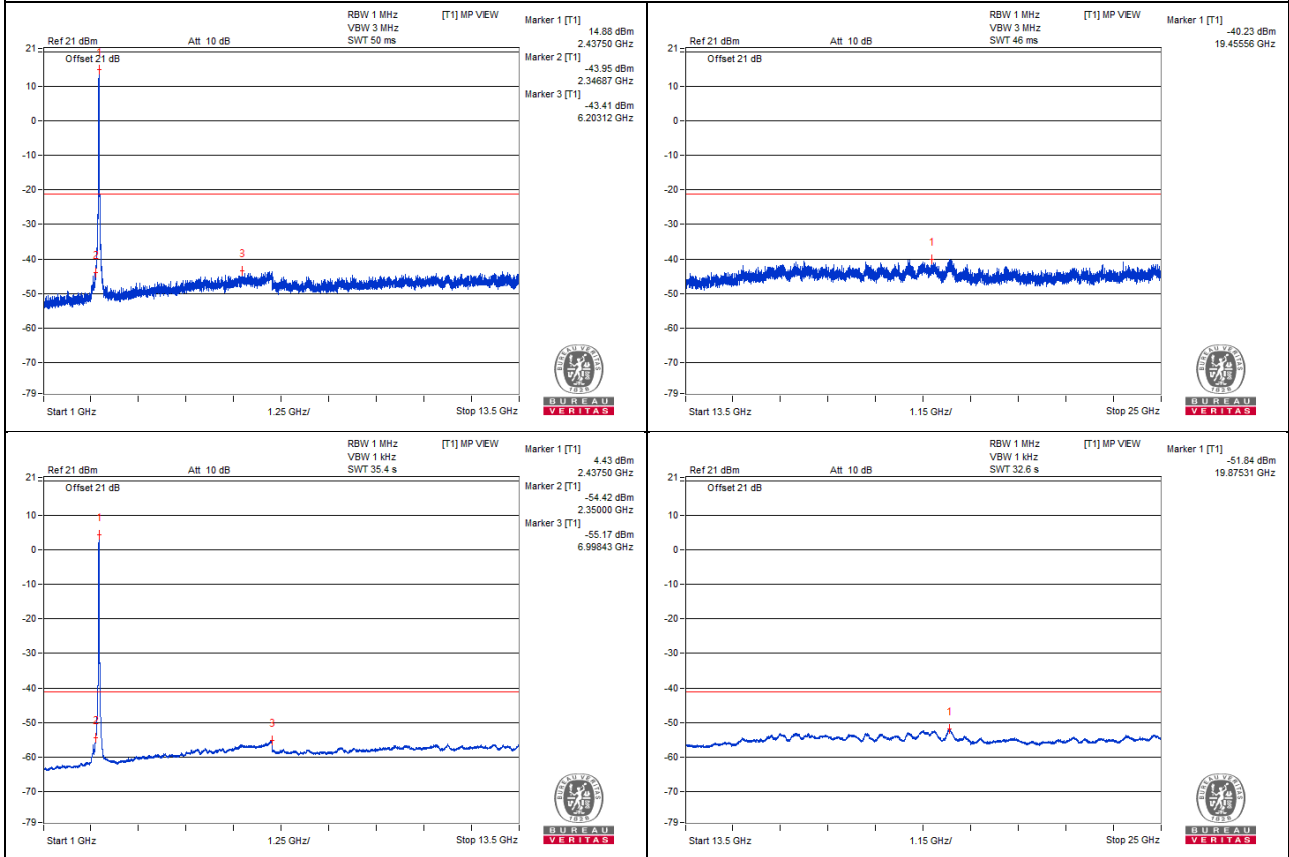
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4876.56	59.58 PK	74	-14.42	-46.23	-47.6	8.17	-35.68
2	4876.56	48.42 AV	54	-5.58	-57.92	-58.12	8.17	-46.84
3	7264.06	60.34 PK	74	-13.66	-45.47	-46.84	8.17	-34.92
4	7306.25	48.5 AV	54	-5.5	-57.93	-57.95	8.17	-46.76

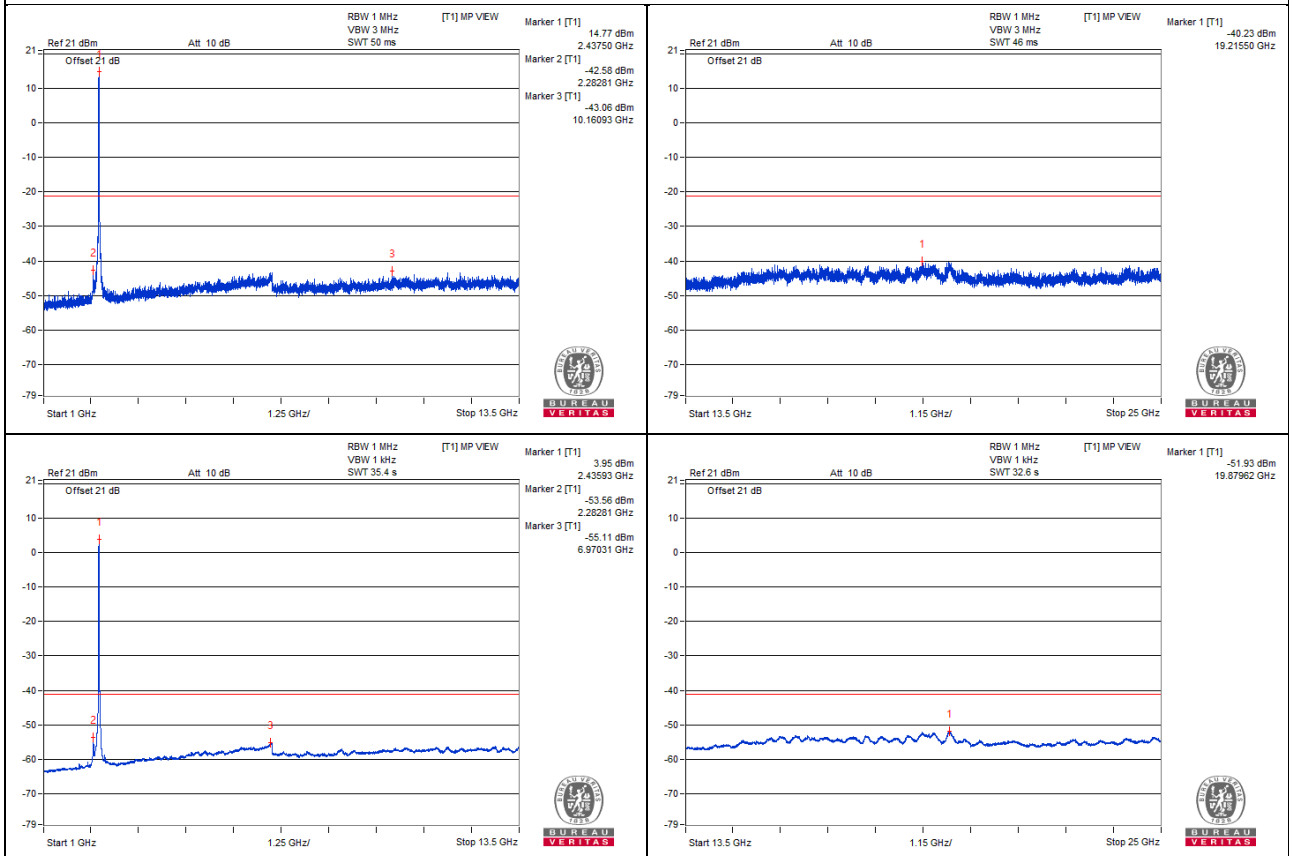
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



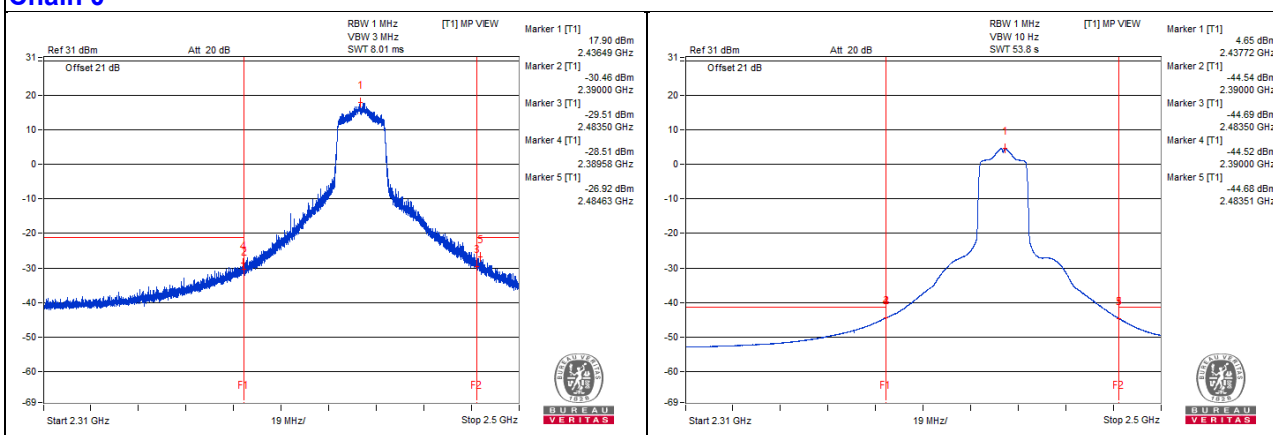
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2389.58	73.69 PK	74	-0.31	-28.51	-38.64	6.54	-21.57
2	2389.99	58.17 AV	54	! 4.17	-44.54	-50.86	6.54	-37.09
3	2484.63	75.28 PK	74	! 1.28	-26.92	-37.11	6.54	-19.98
4	2483.51	58.3 AV	54	! 4.3	-44.68	-49.72	6.54	-36.96

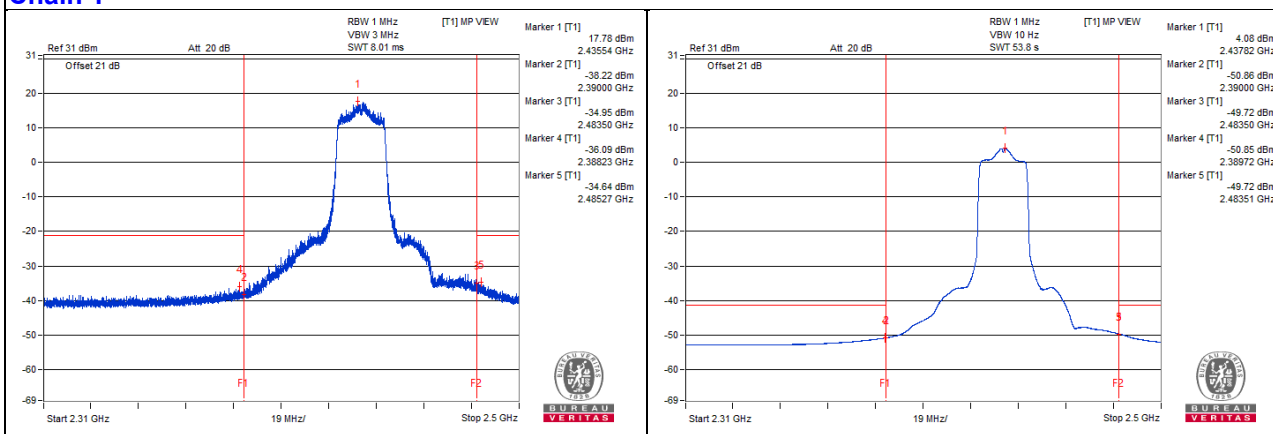
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11ax (HE20) - Channel 10

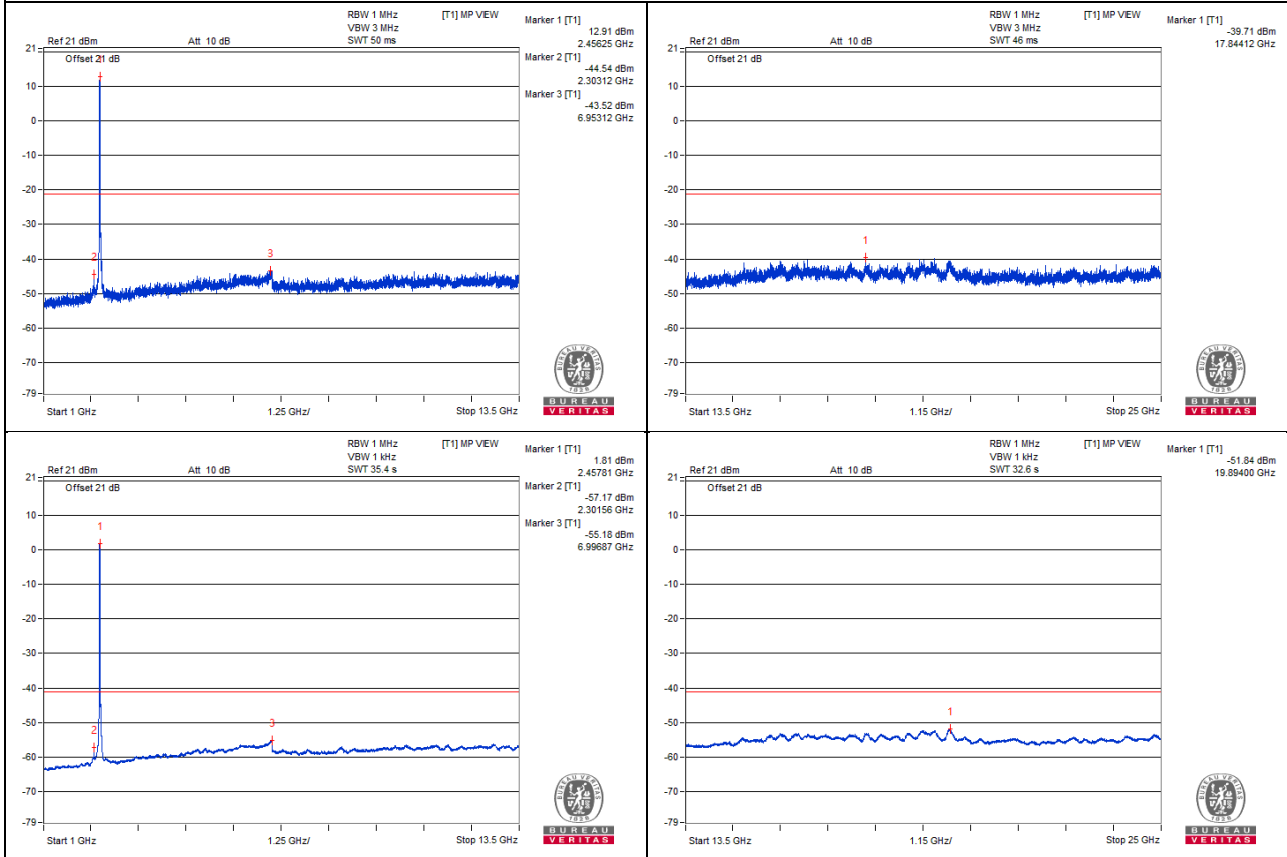
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4953.12	59.9 PK	74	-14.1	-47.97	-45.47	8.17	-35.36
2	5000	48.55 AV	54	-5.45	-57.98	-57.81	8.17	-46.71
3	7298.43	59.94 PK	74	-14.06	-46.85	-46.18	8.17	-35.32
4	7295.31	48.5 AV	54	-5.5	-57.9	-57.99	8.17	-46.76

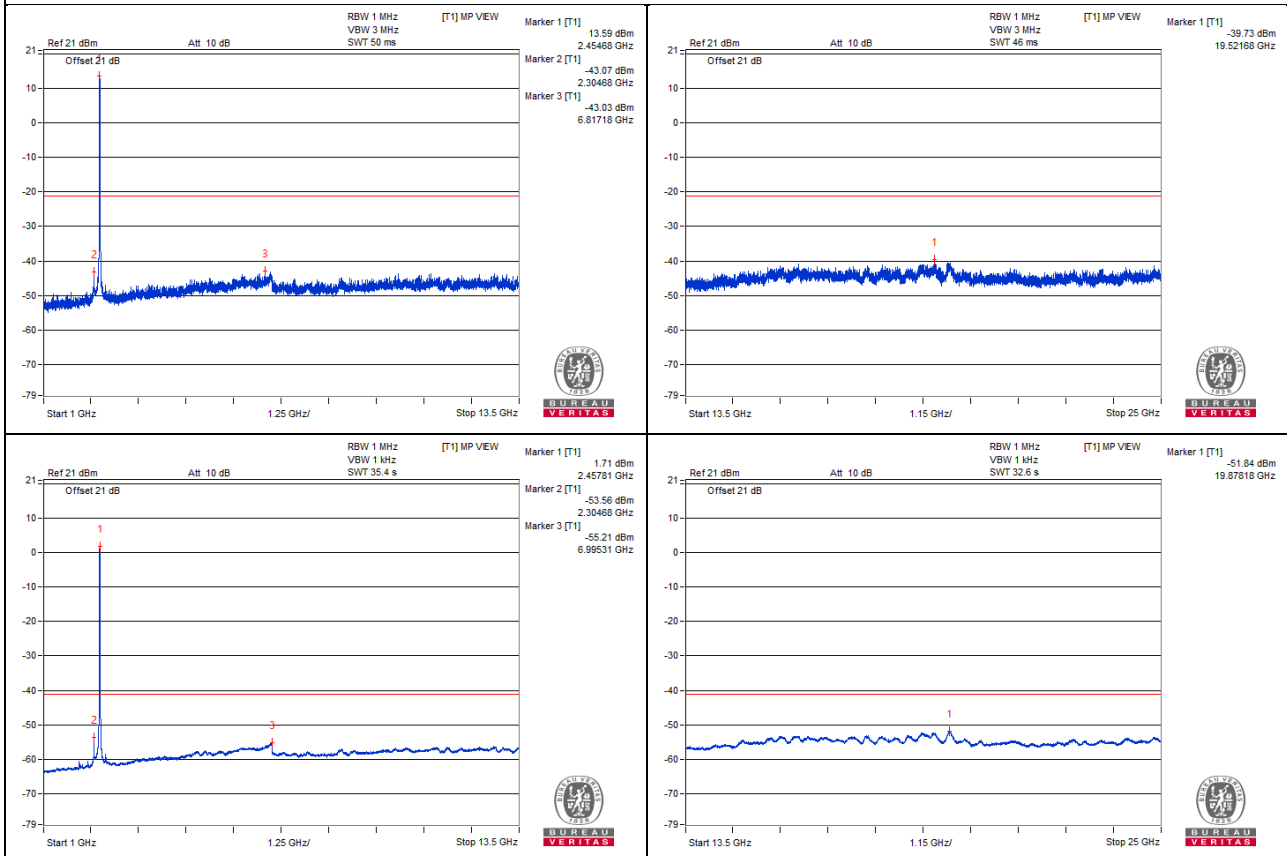
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



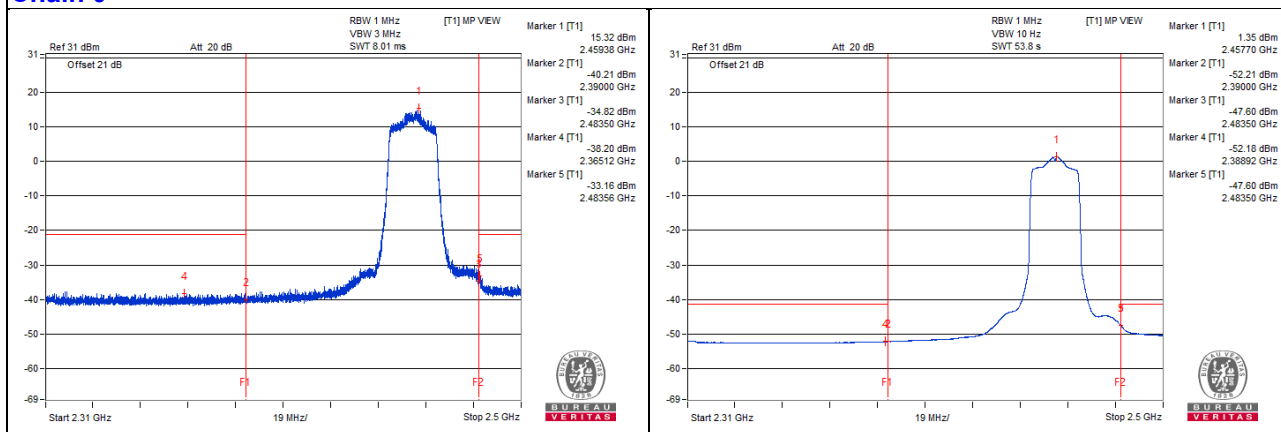
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2371.2	66.67 PK	74	-7.33	-40.42	-36.66	6.54	-28.59
2	2310.21	53.1 AV	54	-0.9	-52.05	-51.39	6.54	-42.16
3	2484.15	70.16 PK	74	-3.84	-33.17	-36.93	6.54	-25.10
4	2483.51	56.14 AV	54	! 2.14	-47.62	-50.06	6.54	-39.12

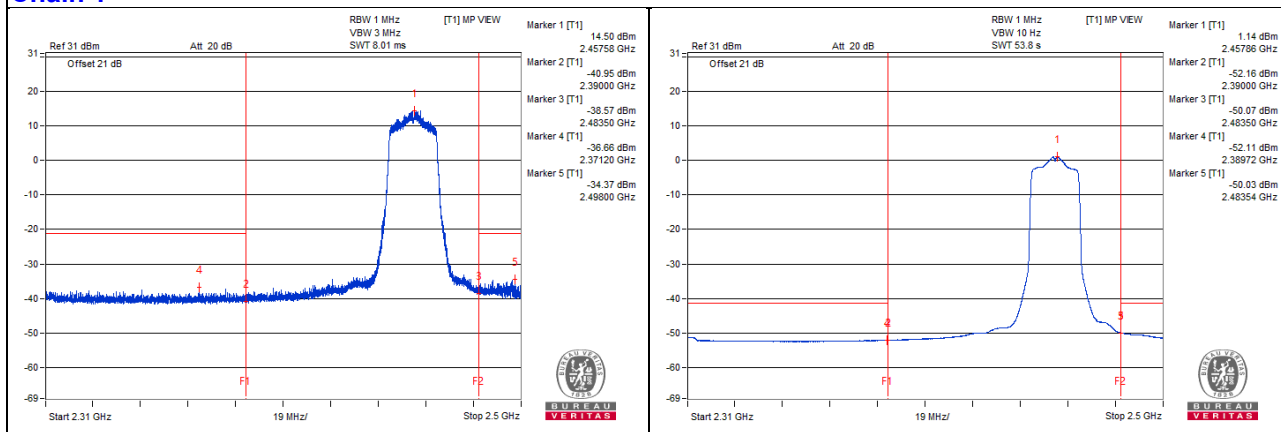
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11ax (HE20) - Channel 11

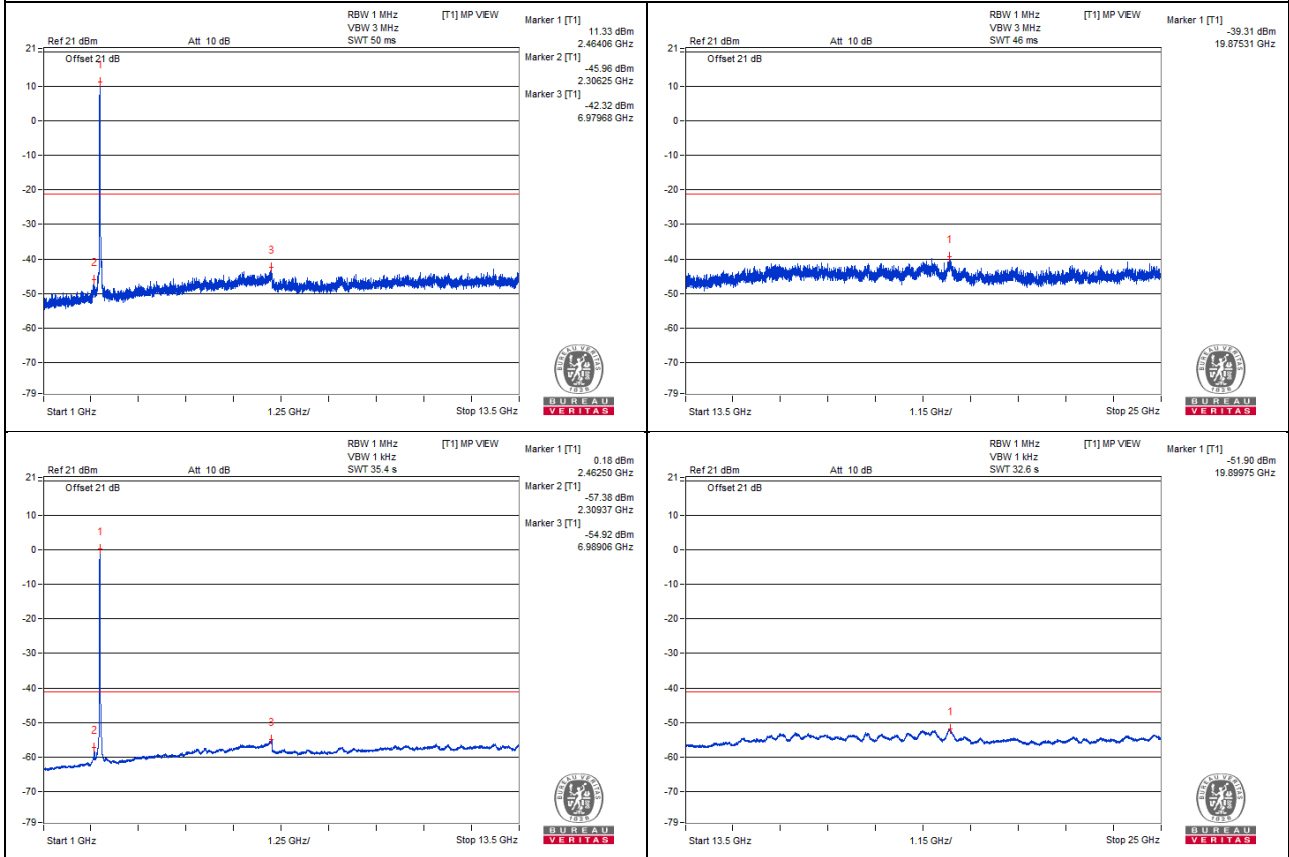
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4993.75	61.21 PK	74	-12.79	-45.46	-45.02	8.17	-34.05
2	5000	48.42 AV	54	-5.58	-58.11	-57.94	8.17	-46.84
3	7362.5	60.49 PK	74	-13.51	-48.22	-44.47	8.17	-34.77
4	7292.18	48.51 AV	54	-5.49	-57.9	-57.96	8.17	-46.75

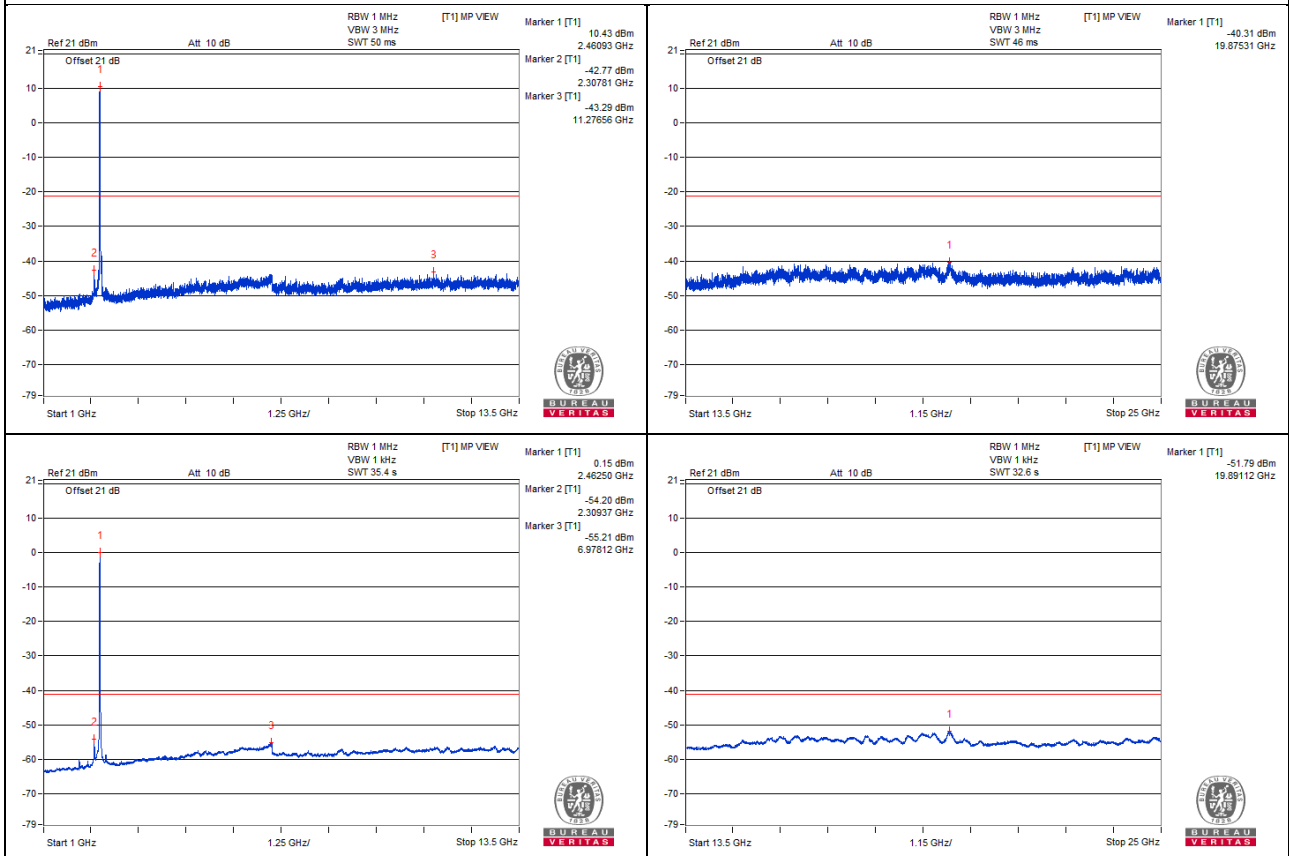
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



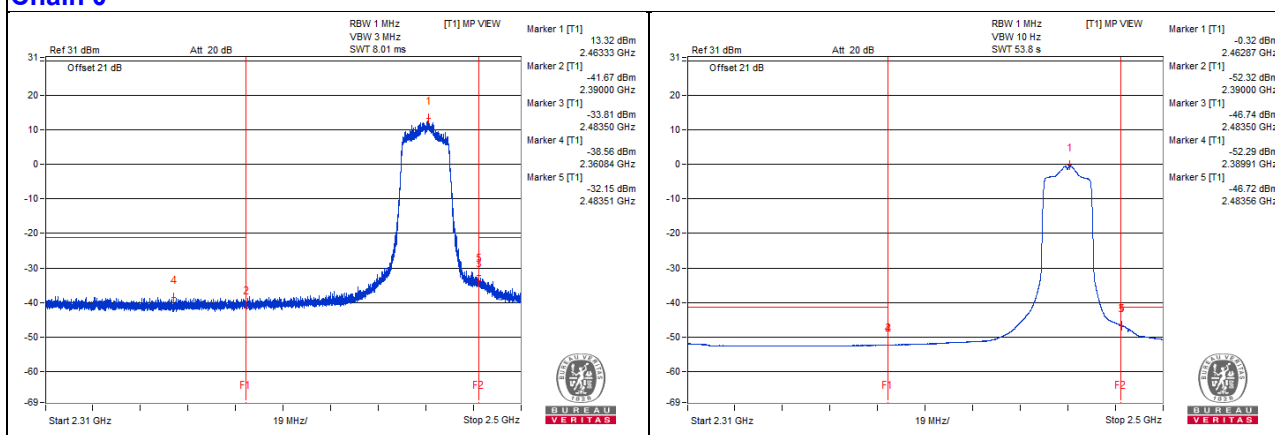
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2312.13	66.43 PK	74	-7.57	-39.52	-37.48	6.54	-28.83
2	2310.04	53.52 AV	54	-0.48	-51.98	-50.69	6.54	-41.74
3	2483.51	70.73 PK	74	-3.27	-32.15	-37.64	6.54	-24.53
4	2483.56	56.76 AV	54	! 2.76	-46.72	-49.98	6.54	-38.50

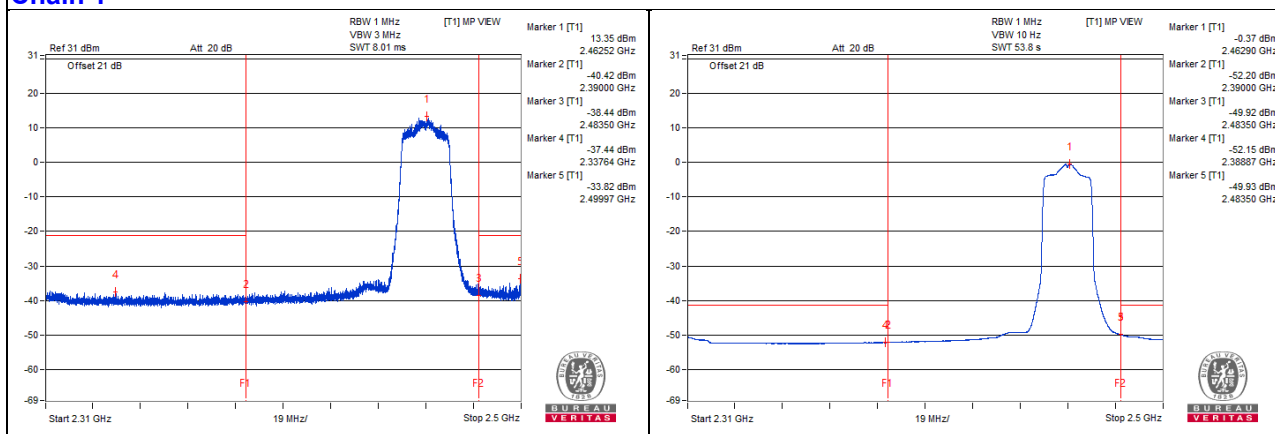
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11ax (HE20) - Channel 12

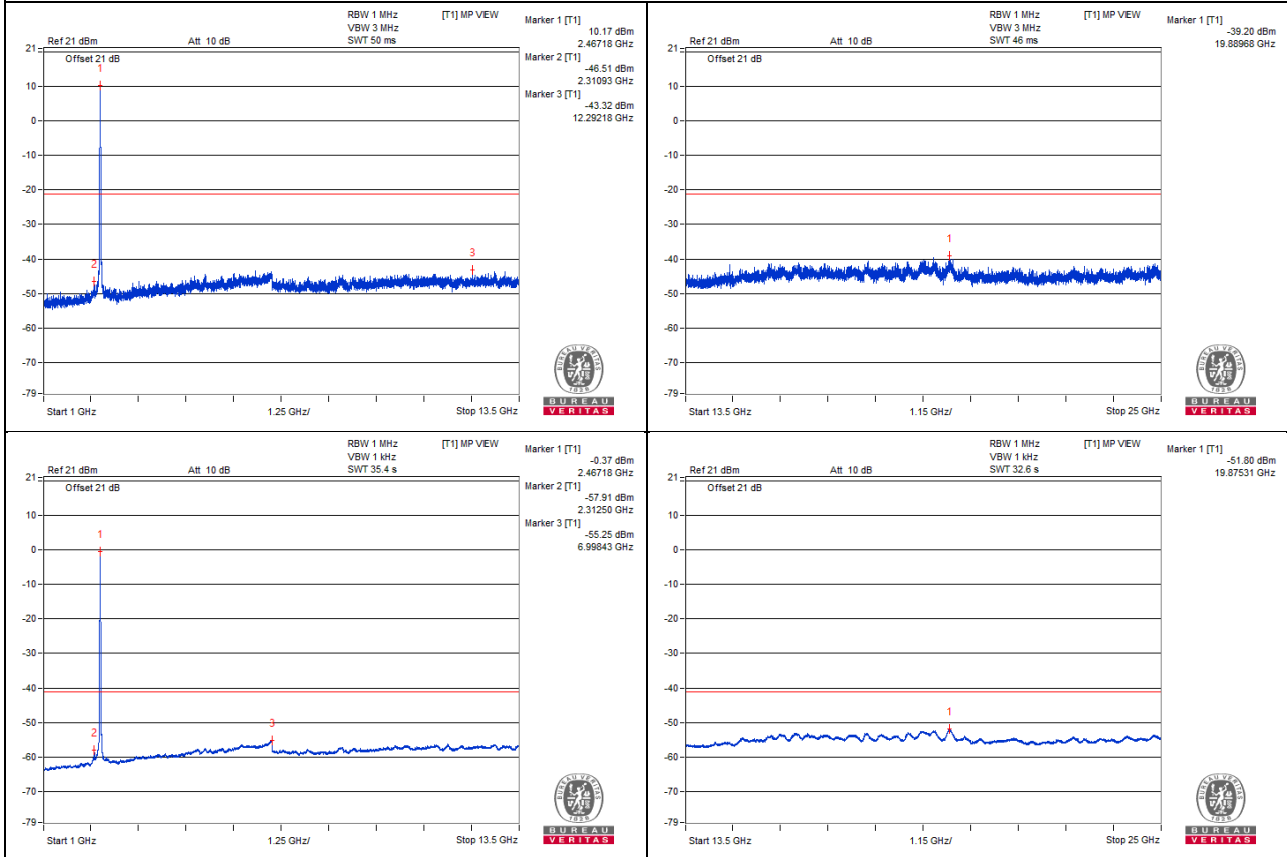
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	4948.43	60.03 PK	74	-13.97	-45.07	-48.36	8.17	-35.23
2	4990.62	48.36 AV	54	-5.64	-57.98	-58.19	8.17	-46.90
3	7306.25	60.17 PK	74	-13.83	-45.71	-46.92	8.17	-35.09
4	7292.18	48.57 AV	54	-5.43	-57.9	-57.85	8.17	-46.69

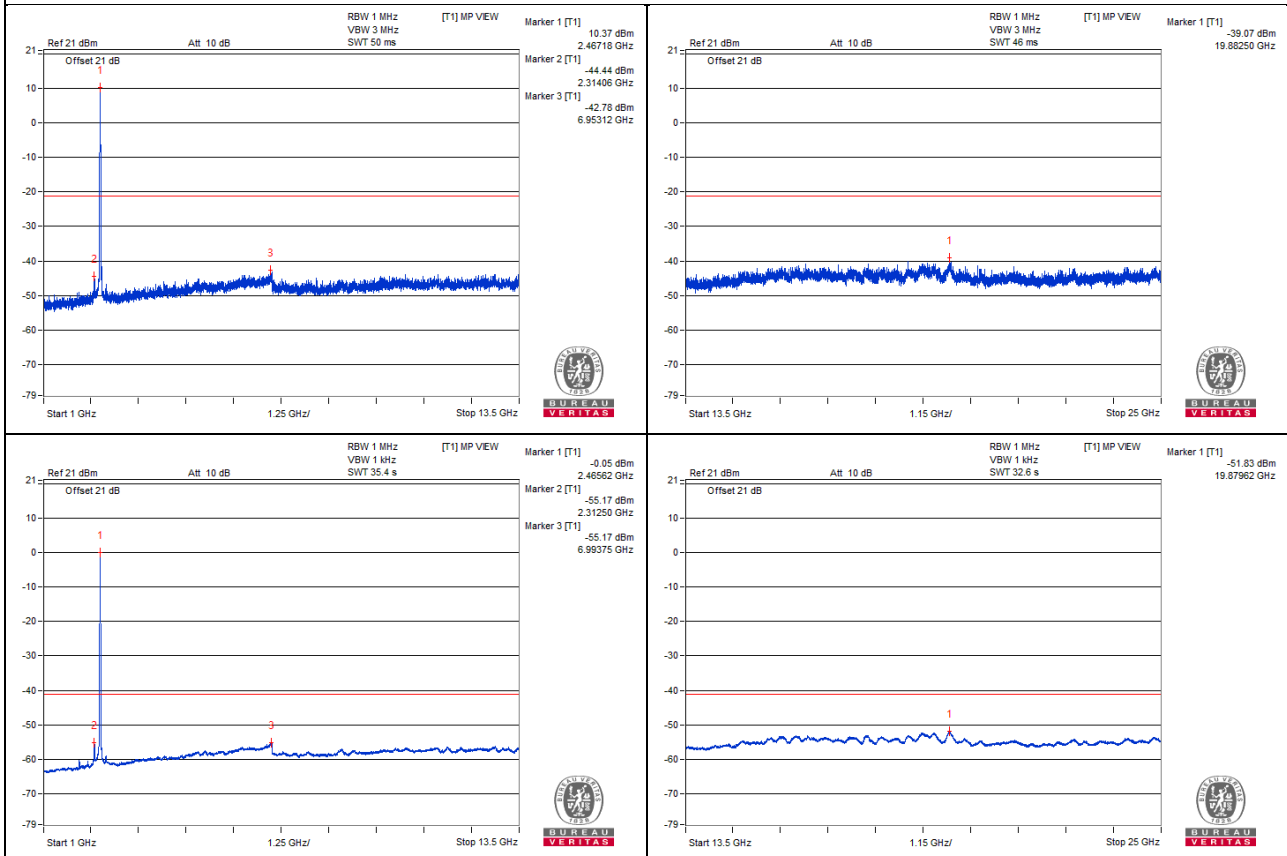
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



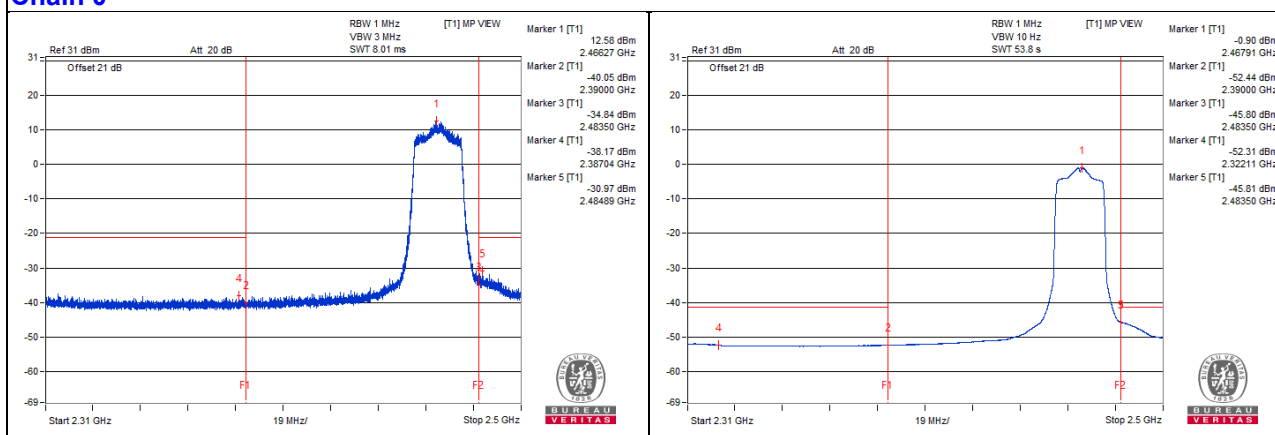
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2311.04	66.77 PK	74	-7.23	-39.27	-37.08	6.54	-28.49
2	2312.63	53.35 AV	54	-0.65	-51.97	-51.01	6.54	-41.91
3	2484.89	71.9 PK	74	-2.1	-30.97	-36.51	6.54	-23.36
4	2483.51	57.59 AV	54	! 3.59	-45.84	-49.25	6.54	-37.67

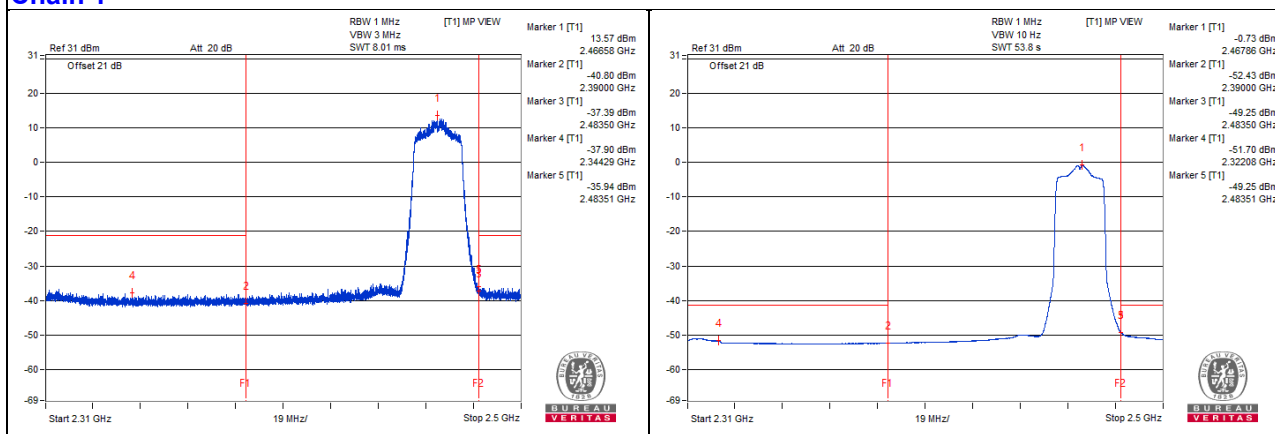
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1



802.11ax (HE20) - Channel 13

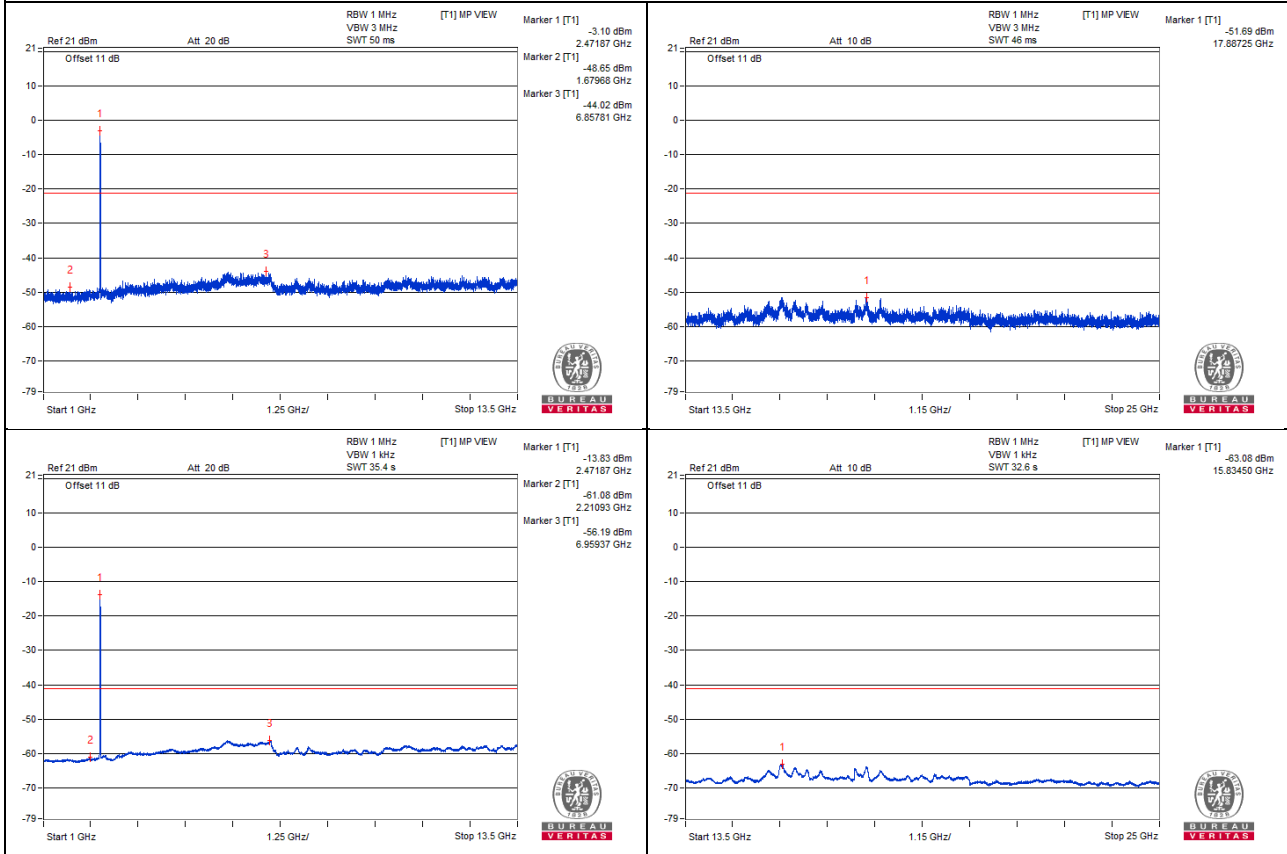
Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	5000	59.49 PK	74	-14.51	-46.95	-46.96	8.17	-35.77
2	4939.06	47.45 AV	54	-6.55	-59.1	-58.89	8.17	-47.81
3	7476.56	58.62 PK	74	-15.38	-48.95	-46.92	8.17	-36.64
4	7457.81	47.17 AV	54	-6.83	-59.05	-59.5	8.17	-48.09

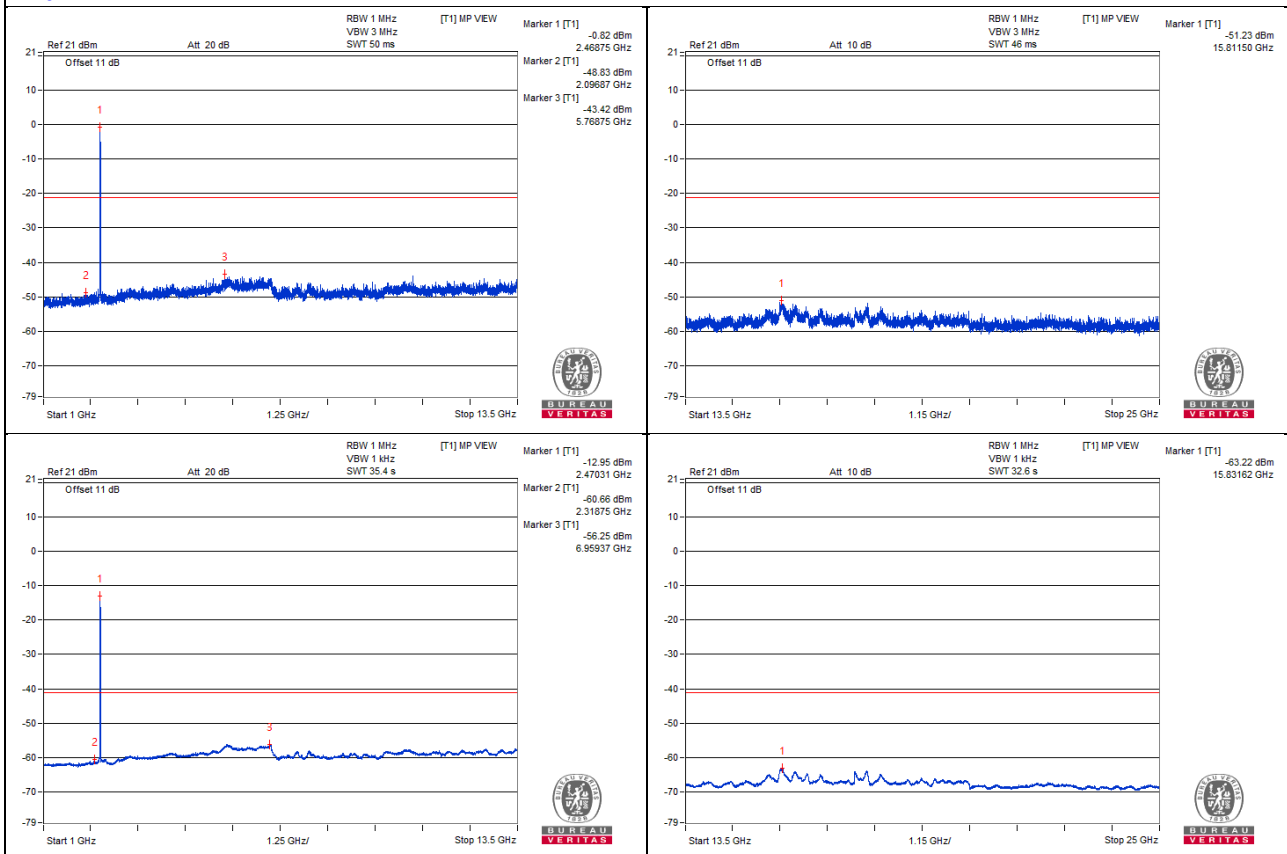
Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.

Chain 0



Chain 1



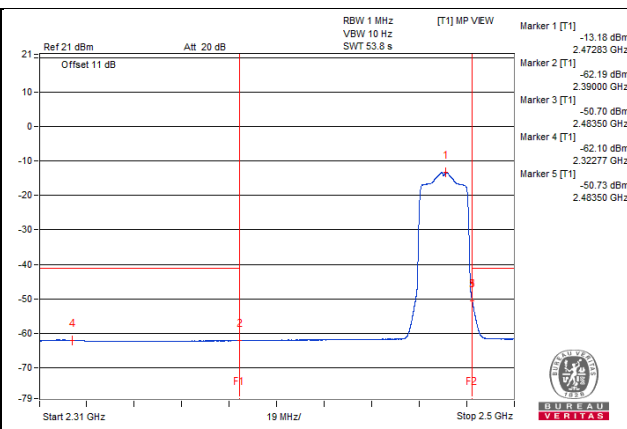
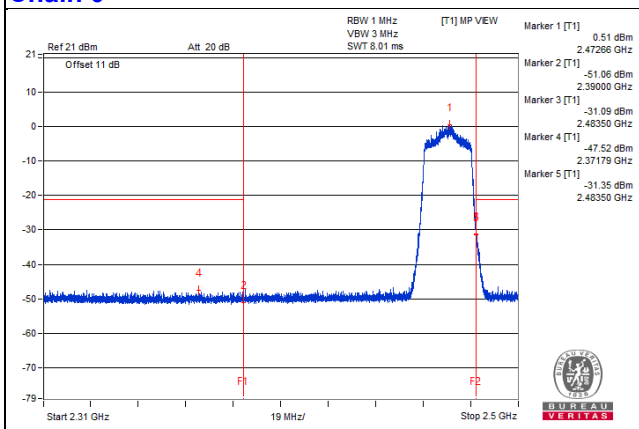
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain 0	Chain 1		
1	2312.11	56.48 PK	74	-17.52	-47.62	-49.17	6.54	-38.78
2	2317.79	43.26 AV	54	-10.74	-61.94	-61.19	6.54	-52.00
3	2483.54	73.96 PK	74	-0.04	-31.54	-30.25	6.54	-21.30
4	2483.51	54.17 AV	54	! 0.17	-50.83	-50.46	6.54	-41.09

Remarks:

1. Margin value = Emission Level – Limit value
2. The other emission levels were very low against the limit.
3. " ! " : The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer Appendix B)

Chain 0



Chain 1

