FCC Test Report

Report No.:	RF200206E05-1
FCC ID:	C3K1884
Test Model:	1884
Received Date:	Feb. 06, 2020
Test Date:	Mar. 23 to May 19, 2020
Issued Date:	June 24, 2020
Applicant:	Microsoft Corporation
Address:	One Microsoft Way,Redmond,Washington 98052-6399,United States
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
RF200206E05-1	Original release.	June 24, 2020

1 Certificate of Conformity

Product: 802.11a/b/g/n/ac 2T2R dual-band wireless LAN radio

Brand: Microsoft

Test Model: 1884

Sample Status: ENGINEERING SAMPLE

Applicant: Microsoft Corporation

Test Date: Mar. 23 to May 19, 2020

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
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 : _____ , **Date:** June 24, 2020
Phoenix Huang / Specialist

Approved by : _____ , **Date:** June 24, 2020
Clark Lin / Technical Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -7.1 dB at 0.72813 MHz.
15.407(b) (1/2/3/4(i/ii)/6)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -1.51 dB at 5150.00 MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
---	Occupied Bandwidth Measurement	-	Reference only.
15.407(a)(1/2/3)	Peak Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6dB bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	No antenna connector is used.

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) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	1.9 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.1 dB
	30MHz ~ 1GHz	5.4 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	5.0 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

Product	802.11a/b/g/n/ac 2T2R dual-band wireless LAN radio
Brand	Microsoft
Test Model	1884
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 256QAM for OFDM in 11ac mode only
Modulation Technology	DSSS, OFDM
Transfer Rate	802.11b: up to 11 Mbps 802.11a/g: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 866.7 Mbps
Operating Frequency	**2.4GHz:** 2.412 ~ 2.462GHz **5GHz:** 5.18 ~ 5.24 GHz, 5.26 ~ 5.32 GHz, 5.50 ~ 5.72 GHz, 5.745 ~ 5.825 GHz
Number of Channel	**2.4GHz:** 802.11b, 802.11g, 802.11n (HT20): 11 802.11n (HT40): 7 **5GHz:** 802.11a, 802.11n (HT20), 802.11ac (VHT20): 25 802.11n (HT40), 802.11ac (VHT40): 12 802.11ac (VHT80): 6
Output Power	**2TX mode:** **2.4 GHz:** 473.454 mW **5.18 ~ 5.24 GHz:** 62.543 mW **5.26 ~ 5.32 GHz:** 69.112 mW **5.5 ~ 5.72 GHz:** 57.931 mW **5.745 ~ 5.825 GHz:** 63.567 mW **1TX mode:** **2.4 GHz:** 284.446 mW **5.18 ~ 5.24 GHz:** 44.566 mW **5.26 ~ 5.32 GHz:** 44.157 mW **5.5 ~ 5.72 GHz:** 45.499 mW **5.745 ~ 5.825 GHz:** 44.463 mW
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. 2.4GHz and 5GHz technology cannot transmit at same time.
2. The antennas provided to the EUT, please refer to the following table:

Ant. No.	Transmitter Circuit	Ant.Gain (dBi)	Freq. Range (GHz)	Ant. Type	Connector Type
1	0	2.88	2.4~2.4835	PCB	None
		3.43	5.15~5.25		
		3.65	5.25~5.35		
		3.22	5.47~5.725		
		3.52	5.725~5.85		
2	1	3.62	2.4~2.4835	PCB	None
		3.41	5.15~5.25		
		3.56	5.25~5.35		
		3.74	5.47~5.725		
		3.2	5.725~5.85		

3. The EUT incorporates a MIMO function.

2.4GHz Band			
MODULATION MODE	**DATA RATE (MCS)**	**TX & RX CONFIGURATION**	
802.11b	1 ~ 11Mbps	1TX (Fixed Chain 0)	2RX
802.11g	6 ~ 54Mbps	1TX (Fixed Chain 0)	2RX
802.11n (HT20)	MCS 0~7	1TX (Fixed Chain 0)	2RX
	MCS 8~15*	2TX	
802.11n (HT40)	MCS 0~7	1TX (Fixed Chain 0)	2RX
	MCS 8~15*	2TX	
5GHz Band			
MODULATION MODE	**DATA RATE (MCS)**	**TX & RX CONFIGURATION**	
802.11a	6 ~ 54Mbps	1TX (Fixed Chain 0)	2RX
802.11n (HT20)	MCS 0~7	1TX (Fixed Chain 0)	2RX
	MCS 8~15*	2TX	
802.11n (HT40)	MCS 0~7	1TX (Fixed Chain 0)	2RX
	MCS 8~15*	2TX	
802.11ac (VHT20)	MCS0~8 (256QAM) Nss=1	1TX (Fixed Chain 0)	2RX
	MCS0~8 (256QAM) Nss=2*	2TX	
802.11ac (VHT40)	MCS0~9 (256QAM) Nss=1	1TX (Fixed Chain 0)	2RX
	MCS0~9 (256QAM) Nss=2*	2TX	
802.11ac (VHT80)	MCS0~9 (256QAM) Nss=1	1TX (Fixed Chain 0)	2RX
	MCS0~9 (256QAM) Nss=2*	2TX	

Note: 1. The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz) and 802.11ac mode for 20MHz (40MHz), therefore the manufacturer will control the power for 802.11n mode is the same as the 802.11ac or more lower than it and investigated worst case to representative mode in test report. (Final test mode refer to section 3.2.1)

"*" means the device operate with two spatial stream (Nss = 2) with different data, and two signals are not correlated.

4. 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 Test Modes

FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

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

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
42	5210 MHz

FOR 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

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

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
58	5290 MHz

FOR 5500 ~ 5720MHz

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz	144	5720 MHz

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

Channel	Frequency	Channel	Frequency
102	5510 MHz	126	5630 MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz	142	5710 MHz

3 channels are provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency
106	5530 MHz	138	5690 MHz
122	5610 MHz		

FOR 5745 ~ 5825MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
149	5745 MHz	161	5805 MHz
153	5765 MHz	165	5825 MHz
157	5785 MHz		

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
155	5775 MHz

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable To				Description
	RE≥1G	RE<1G	PLC	APCM	
1	√	√	√	√	2TX mode
2	√	√	-	√	1TX mode

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz
PLC: Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

Note: The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Y-plane (below 1GHz) and X-plane (above 1GHz)**.

Radiated Emission Test (Above 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

2TX Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11ac (VHT20)	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	13
802.11ac (VHT40)		38 to 46	38, 46	OFDM	BPSK	27
802.11ac (VHT80)		42	42	OFDM	BPSK	58.5
802.11ac (VHT20)	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	13
802.11ac (VHT40)		54 to 62	54, 62	OFDM	BPSK	27
802.11ac (VHT80)		58	58	OFDM	BPSK	58.5
802.11ac (VHT20)	5500-5720	100 to 144	100, 116, 140, 144	OFDM	BPSK	13
802.11ac (VHT40)		102 to 142	102, 110, 134, 142	OFDM	BPSK	27
802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	BPSK	58.5
802.11ac (VHT20)	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	13
802.11ac (VHT40)		151 to 159	151, 159	OFDM	BPSK	27
802.11ac (VHT80)		155	155	OFDM	BPSK	58.5
1TX Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6
802.11ac (VHT20)		36 to 48	36, 40, 48	OFDM	BPSK	6.5
802.11ac (VHT40)		38 to 46	38, 46	OFDM	BPSK	13.5
802.11ac (VHT80)		42	42	OFDM	BPSK	29.3
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6
802.11ac (VHT20)		52 to 64	52, 60, 64	OFDM	BPSK	6.5
802.11ac (VHT40)		54 to 62	54, 62	OFDM	BPSK	13.5
802.11ac (VHT80)		58	58	OFDM	BPSK	29.3
802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	BPSK	6
802.11ac (VHT20)		100 to 144	100, 116, 140, 144	OFDM	BPSK	6.5
802.11ac (VHT40)		102 to 142	102, 110, 134, 142	OFDM	BPSK	13.5
802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	BPSK	29.3
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6
802.11ac (VHT20)		149 to 165	149, 157, 165	OFDM	BPSK	6.5
802.11ac (VHT40)		151 to 159	151, 159	OFDM	BPSK	13.5
802.11ac (VHT80)		155	155	OFDM	BPSK	29.3

Radiated Emission Test (Below 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

2TX Mode						
Mode	**FREQ. Band (MHz)**	**Available Channel**	**Tested Channel**	**Modulation Technology**	**Modulation Type**	**Data Rate (Mbps)**
802.11ac (VHT20)	5180-5240, 5260-5320, 5500-5720, 5745-5825	36 to 48, 52 to 64, 100 to 144, 149 to 165	48, 60, 144, 157	OFDM	BPSK	13
1TX Mode						
Mode	**FREQ. Band (MHz)**	**Available Channel**	**Tested Channel**	**Modulation Technology**	**Modulation Type**	**Data Rate (Mbps)**
802.11a	5180-5240, 5260-5320, 5500-5720, 5745-5825	36 to 48, 54 to 62, 100 to 144, 149 to 165	36, 52, 140, 157	OFDM	BPSK	6

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 and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

2TX Mode						
Mode	**FREQ. Band (MHz)**	**Available Channel**	**Tested Channel**	**Modulation Technology**	**Modulation Type**	**Data Rate (Mbps)**
802.11ac (VHT40)	5180-5240, 5260-5320, 5500-5720, 5745-5825	38 to 46, 52 to 64, 102 to 142, 151 to 159	62	OFDM	BPSK	27

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 and antenna ports (if EUT with antenna diversity architecture).
☒ Following channel(s) was (were) selected for the final test as listed below.

2TX Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11ac (VHT20)	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	13
802.11ac (VHT40)		38 to 46	38, 46	OFDM	BPSK	27
802.11ac (VHT80)		42	42	OFDM	BPSK	58.5
802.11ac (VHT20)	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	13
802.11ac (VHT40)		54 to 62	54, 62	OFDM	BPSK	27
802.11ac (VHT80)		58	58	OFDM	BPSK	58.5
802.11ac (VHT20)	5500-5720	100 to 144	100, 116, 140, 144	OFDM	BPSK	13
802.11ac (VHT40)		102 to 142	102, 110, 134, 142	OFDM	BPSK	27
802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	BPSK	58.5
802.11ac (VHT20)	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	13
802.11ac (VHT40)		151 to 159	151, 159	OFDM	BPSK	27
802.11ac (VHT80)		155	155	OFDM	BPSK	58.5
1TX Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6
802.11ac (VHT20)		36 to 48	36, 40, 48	OFDM	BPSK	6.5
802.11ac (VHT40)		38 to 46	38, 46	OFDM	BPSK	13.5
802.11ac (VHT80)		42	42	OFDM	BPSK	29.3
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6
802.11ac (VHT20)		52 to 64	52, 60, 64	OFDM	BPSK	6.5
802.11ac (VHT40)		54 to 62	54, 62	OFDM	BPSK	13.5
802.11ac (VHT80)		58	58	OFDM	BPSK	29.3
802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	BPSK	6
802.11ac (VHT20)		100 to 144	100, 116, 140, 144	OFDM	BPSK	6.5
802.11ac (VHT40)		102 to 142	102, 110, 134, 142	OFDM	BPSK	13.5
802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	BPSK	29.3
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6
802.11ac (VHT20)		149 to 165	149, 157, 165	OFDM	BPSK	6.5
802.11ac (VHT40)		151 to 159	151, 159	OFDM	BPSK	13.5
802.11ac (VHT80)		155	155	OFDM	BPSK	29.3

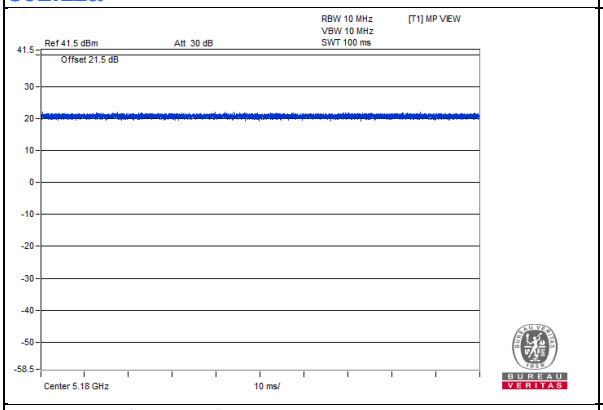
Test Condition:

Applicable To	Environmental Conditions	Input Power (System)	Tested By
RE≥1G	25deg. C, 75%RH	120Vac, 60Hz	Nelson Teng
RE<1G	25deg. C, 65%RH	120Vac, 60Hz	Nelson Teng
PLC	25deg. C, 62%RH	120Vac, 60Hz	Sampson Chen
APCM	25deg. C, 60%RH	120Vac, 60Hz	Jyunchun Lin

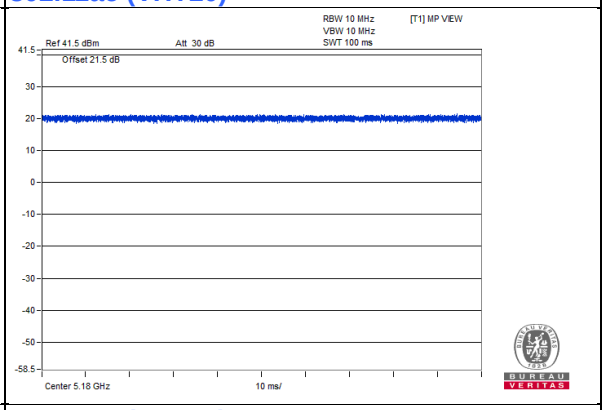
3.3 Duty Cycle of Test Signal

Duty cycle of test signal is 100 %, duty factor is not required.

802.11a



802.11ac (VHT20)



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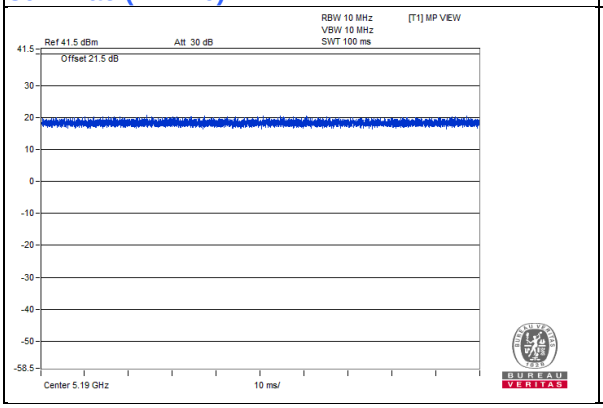
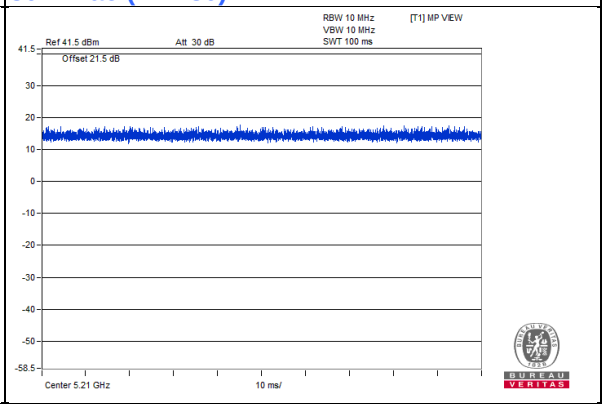


802.11ac (VHT80)



3.4 Description of Support Units

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

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Adapter	PHIHONG	PSC15A-050	NA	NA	Supplied by client
B.	Test Tool	MediaTek Inc.	NA	NA	NA	Supplied by client
C.	Laptop	DELL	E5430	GM1SKV1	FCC DoC	Supplied by Lab
D.	ADAPTER	MICROSOFT	M1096761-001	NA	NA	Supplied by client

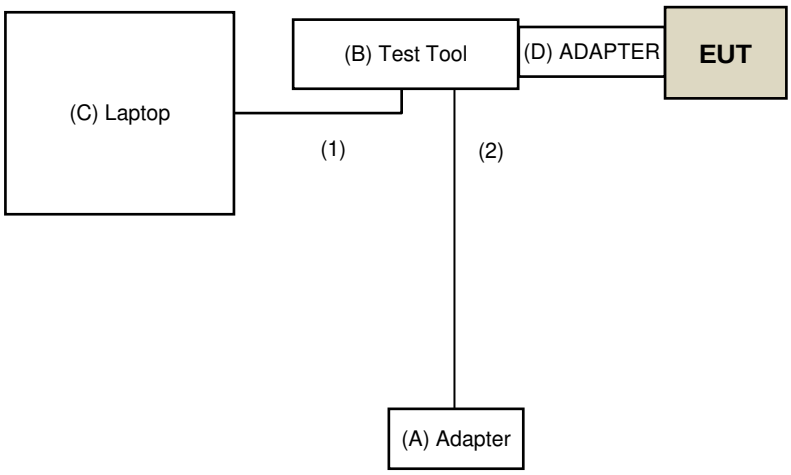
Note:

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

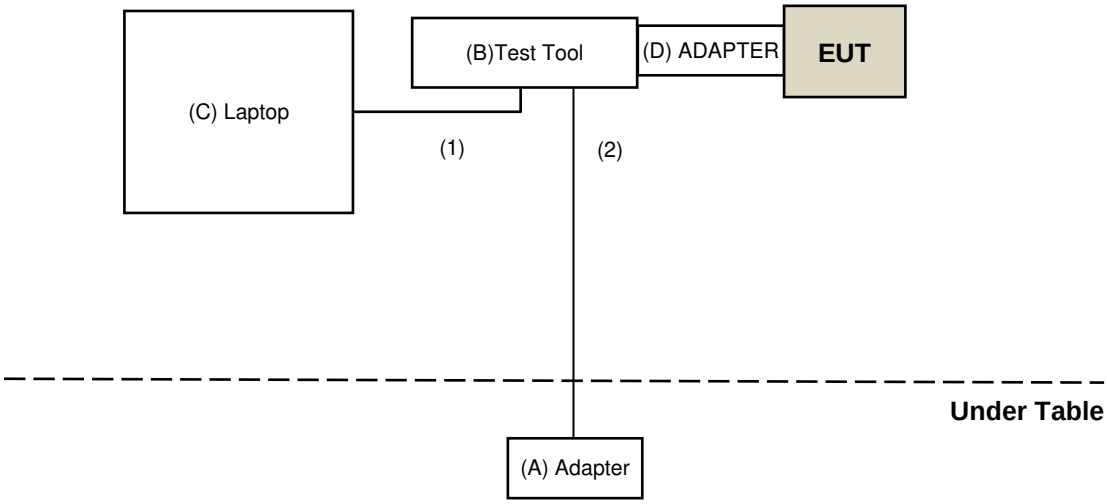
ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	USB Type B Cable	1	1.8	Yes	0	Provided by Lab
2.	DC Cable	1	1.5	No	0	Supplied by client

3.4.1 Configuration of System under Test

For AC Power Conducted Emissions Test:



For Radiated Emissions Test:



3.5 General Description of Applied Standard 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 E (15.407)
ANSI C63.10-2013

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

References Test Guidance:
KDB 789033 D02 General UNII Test Procedure New Rules v02r01
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.

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.

Limits of unwanted emission out of the restricted bands

Applicable To		Limit	
789033 D02 General UNII Test Procedure New Rules v02r01		Field Strength at 3m	
		PK:74 (dBµV/m)	AV:54 (dBµV/m)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBµV/m)
5250~5350 MHz	15.407(b)(2)		
5470~5725 MHz	15.407(b)(3)		
5725~5850 MHz	15.407(b)(4)(i)	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2(dBµV/m) *1 PK:105.2 (dBµV/m) *2 PK: 110.8(dBµV/m) *3 PK:122.2 (dBµV/m) *4

*1 beyond 75 MHz or more above of the band edge.

*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\ \sqrt{30P}}{3}$$ µV/m, where P is the eirp (Watts).

4.1.2 Test Instruments

For Radiated Emission Test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 03, 2019	July 02, 2020
Pre-Amplifier EMCI	EMC001340	980142	May 30, 2019	May 29, 2020
Loop Antenna Electro-Metrics	EM-6879	264	Feb. 18, 2020	Feb. 17, 2021
RF Cable	NA	LOOPCAB-001	Jan. 08, 2020	Jan. 07, 2021
RF Cable	NA	LOOPCAB-002	Jan. 08, 2020	Jan. 07, 2021
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	Apr. 30, 2019	Apr. 29, 2020
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Nov. 11, 2019	Nov. 10, 2020
RF Cable	8D	966-3-1	Mar. 17, 2020	Mar. 16, 2021
RF Cable	8D	966-3-2	Mar. 17, 2020	Mar. 16, 2021
RF Cable	8D	966-3-3	Mar. 17, 2020	Mar. 16, 2021
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Sep. 26, 2019	Sep. 25, 2020
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Nov. 24, 2019	Nov. 23, 2020
Pre-Amplifier EMCI	EMC12630SE	980384	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC104-SM-SM-1200	160922	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC104-SM-SM-2000	180601	June 10, 2019	June 09, 2020
RF Cable	EMC104-SM-SM-6000	180602	June 10, 2019	June 09, 2020
Spectrum Analyzer Keysight	N9030A	MY54490679	July 17, 2019	July 16, 2020
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 15, 2020	Jan. 14, 2021
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170519	Nov. 24, 2019	Nov. 23, 2020
RF Cable	EMC102-KM-KM-1200	160924	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC-KM-KM-4000	200214	Mar. 11, 2020	Mar. 10, 2021
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
High pass filter Wainwright Instruments	WHK3.1/18G-10SS	SN5	Apr. 29, 2019	Apr. 28, 2020

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. 3.
3. Loop antenna was used for all emissions below 30 MHz.
4. Tested Date: Mar. 23 to 25, 2020

For other test items:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	100964	June 04, 2019	June 03, 2020
Power meter Anritsu	ML2495A	1529002	July 26, 2019	July 25, 2020
Power sensor Anritsu	MA2411B	1339443	July 26, 2019	July 25, 2020
Fixed Attenuator Mini-Circuits	MDCS18N-10	MDCS18N-10-01	Apr. 14, 2020	Apr. 13, 2021
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: May 19, 2020

4.1.3 Test Procedure

Following FCC KDB 789033 D02 General UNII Test Procedures:
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 ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

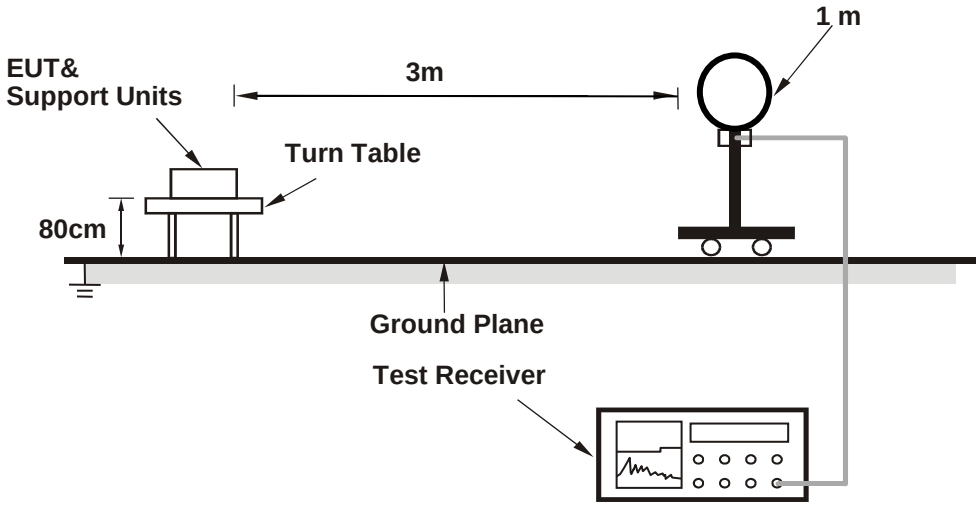
4.1.4 Deviation from Test Standard

No deviation.

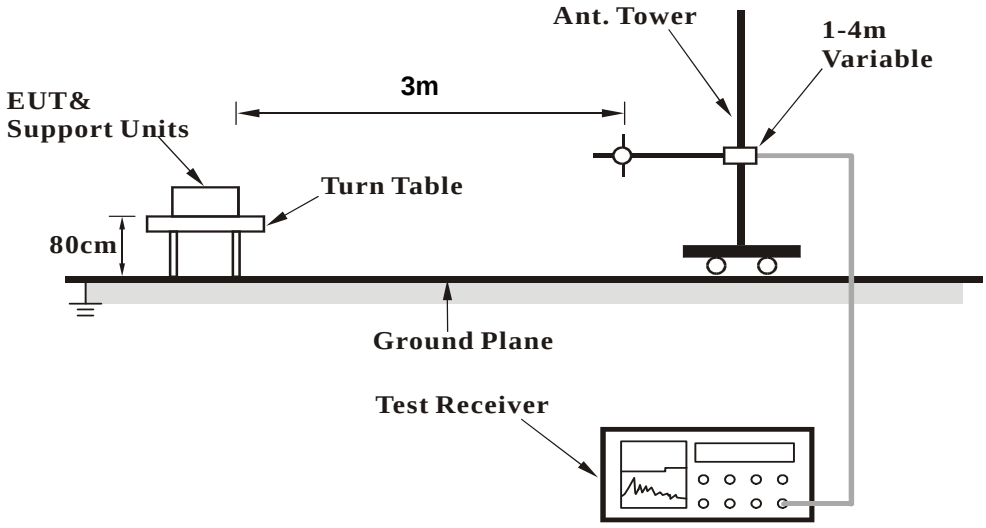
4.1.5 Test Setup

For Radiated Configuration:

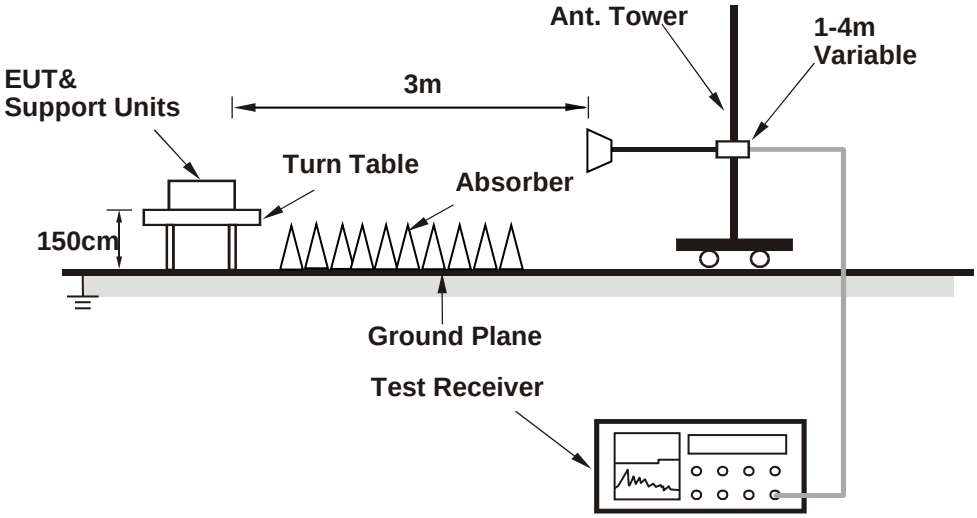
For Radiated emission below 30MHz



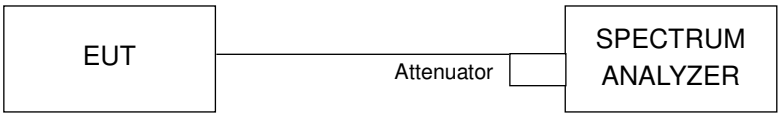
For Radiated emission 30MHz to 1GHz



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 Condition

a. Connected the EUT with the Laptop which is placed on the testing table.
b. Controlling software (MT7663 QA 0.0.2.6) has been activated to set the EUT under transmission condition continuously at specific channel frenquency.

4.1.7 Test Results (Radiated Measurement)

Radiated versus Conducted Measurement	
☐ Conducted measurement	☒ Radiated measurement
For Radiated measurement: 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) For Conducted measurement: The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).	

4.1.7.1 Test Results (Mode 1)

Radiated test was done with 50ohm terminator on antenna port

Above 1GHz Data:

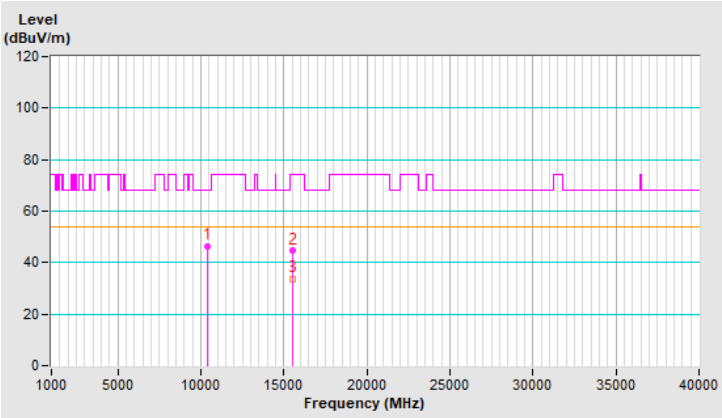
802.11ac (VHT20)

CHANNEL	TX Channel 36	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#10360.00	46.4 PK	68.2	-21.8	1.56 H	309	33.7	12.7
2	15540.00	44.5 PK	74.0	-29.5	1.40 H	181	31.3	13.2
3	15540.00	33.5 AV	54.0	-20.5	1.40 H	181	20.3	13.2

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.
5. " # ": The radiated frequency is out of the restricted band.

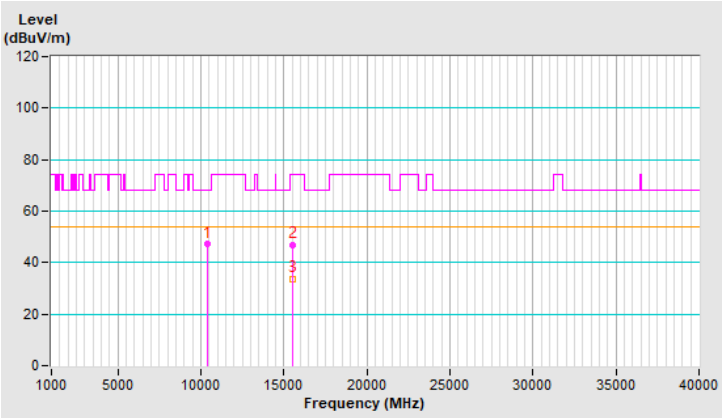


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10360.00	47.1 PK	68.2	-21.1	2.34 V	133	34.4	12.7
2	15540.00	46.8 PK	74.0	-27.2	1.59 V	180	33.6	13.2
3	15540.00	33.8 AV	54.0	-20.2	1.59 V	180	20.6	13.2

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.
5. " # ": The radiated frequency is out of the restricted band.

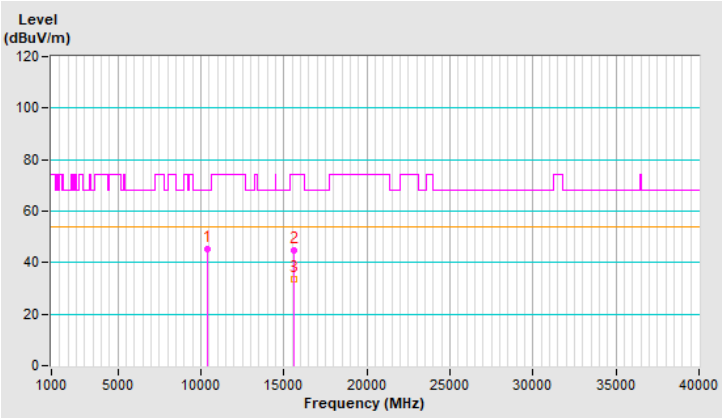


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	45.5 PK	68.2	-22.7	1.54 H	308	32.7	12.8
2	15600.00	44.7 PK	74.0	-29.3	1.47 H	210	31.2	13.5
3	15600.00	33.5 AV	54.0	-20.5	1.47 H	210	20.0	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

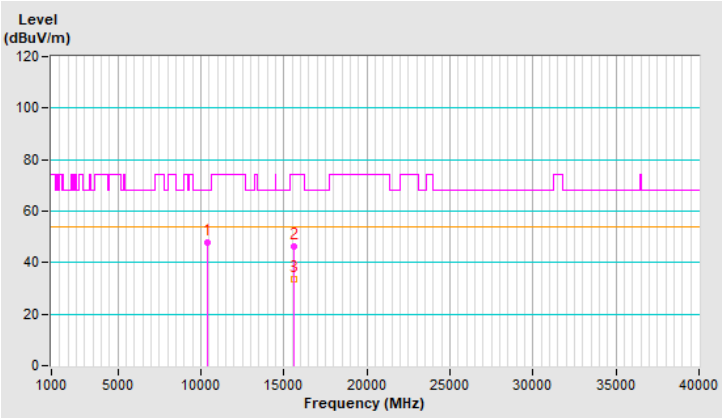


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	47.9 PK	68.2	-20.3	2.28 V	148	35.1	12.8
2	15600.00	46.2 PK	74.0	-27.8	1.58 V	161	32.7	13.5
3	15600.00	33.7 AV	54.0	-20.3	1.58 V	161	20.2	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

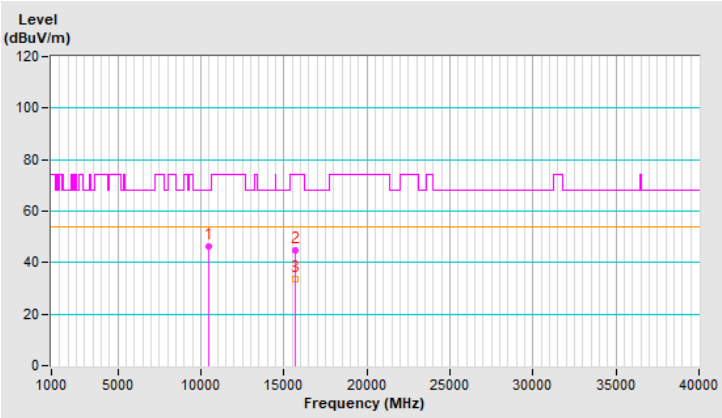


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	46.2 PK	68.2	-22.0	1.55 H	291	33.1	13.1
2	15720.00	45.0 PK	74.0	-29.0	1.44 H	201	31.2	13.8
3	15720.00	33.7 AV	54.0	-20.3	1.44 H	201	19.9	13.8

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.
5. " # ": The radiated frequency is out of the restricted band.

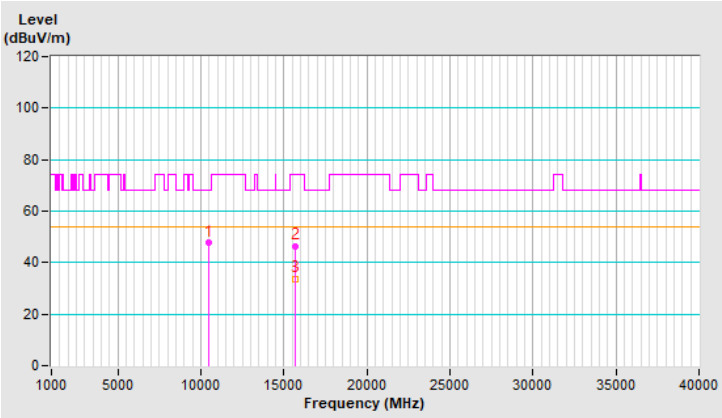


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	47.6 PK	68.2	-20.6	2.34 V	154	34.5	13.1
2	15720.00	46.5 PK	74.0	-27.5	1.65 V	151	32.7	13.8
3	15720.00	33.5 AV	54.0	-20.5	1.65 V	151	19.7	13.8

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.
5. " # ": The radiated frequency is out of the restricted band.

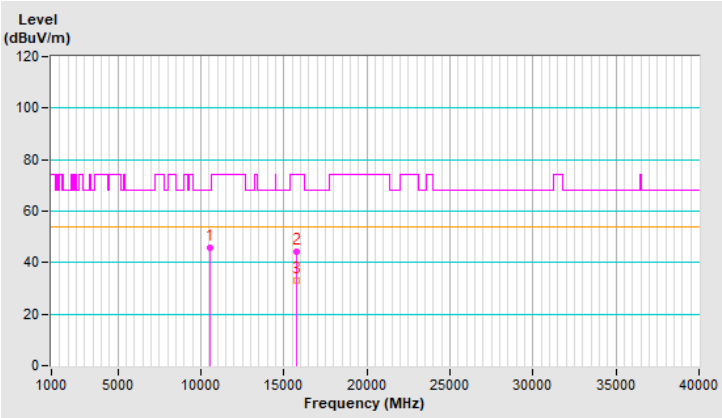


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	45.6 PK	68.2	-22.6	1.49 H	305	32.5	13.1
2	15780.00	44.3 PK	74.0	-29.7	1.43 H	179	30.8	13.5
3	15780.00	33.2 AV	54.0	-20.8	1.43 H	179	19.7	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

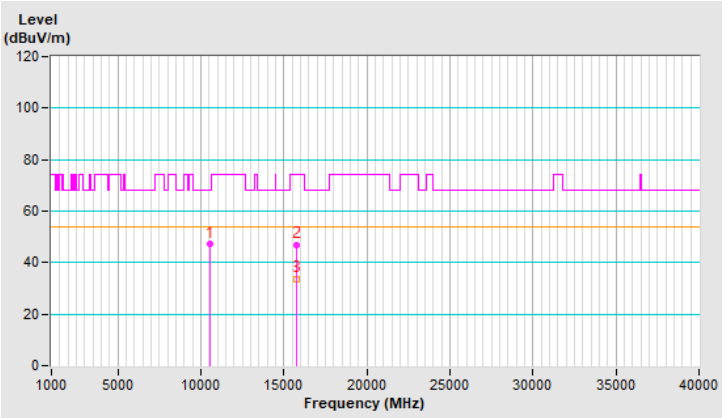


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	47.1 PK	68.2	-21.1	2.34 V	131	34.0	13.1
2	15780.00	46.7 PK	74.0	-27.3	1.57 V	161	33.2	13.5
3	15780.00	33.7 AV	54.0	-20.3	1.57 V	161	20.2	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

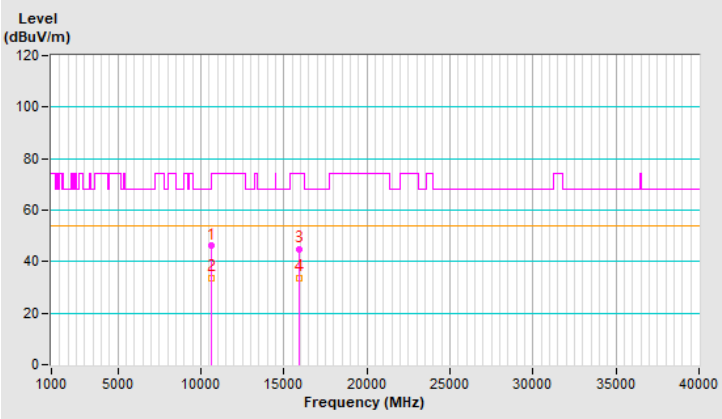


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	46.1 PK	74.0	-27.9	1.54 H	300	33.2	12.9
2	10600.00	33.5 AV	54.0	-20.5	1.54 H	300	20.6	12.9
3	15900.00	44.7 PK	74.0	-29.3	1.45 H	194	31.9	12.8
4	15900.00	33.5 AV	54.0	-20.5	1.45 H	194	20.7	12.8

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.

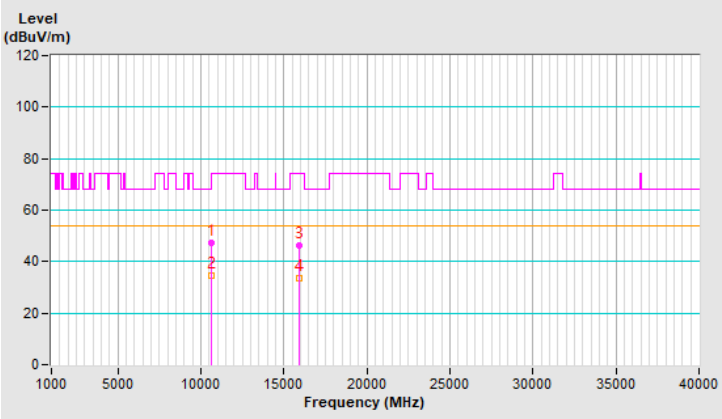


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	47.4 PK	74.0	-26.6	2.32 V	147	34.5	12.9
2	10600.00	34.6 AV	54.0	-19.4	2.32 V	147	21.7	12.9
3	15900.00	46.5 PK	74.0	-27.5	1.61 V	165	33.7	12.8
4	15900.00	33.7 AV	54.0	-20.3	1.61 V	165	20.9	12.8

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.

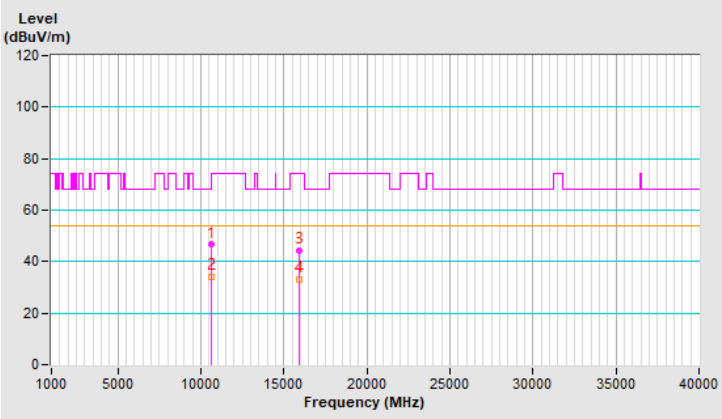


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	46.6 PK	74.0	-27.4	1.54 H	301	33.7	12.9
2	10640.00	33.9 AV	54.0	-20.1	1.54 H	301	21.0	12.9
3	15960.00	44.4 PK	74.0	-29.6	1.41 H	207	31.6	12.8
4	15960.00	33.1 AV	54.0	-20.9	1.41 H	207	20.3	12.8

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.

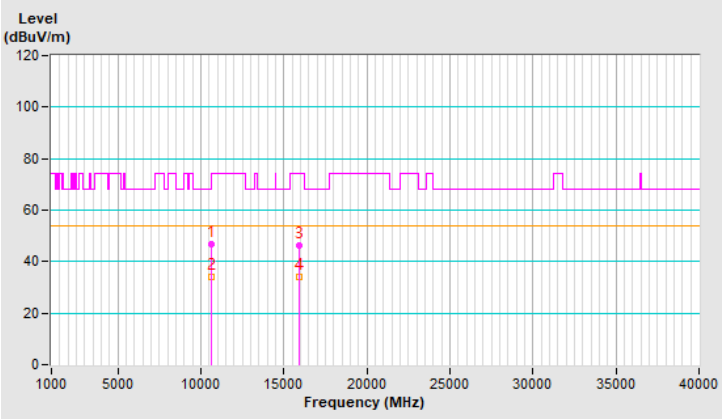


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	46.9 PK	74.0	-27.1	2.29 V	138	34.0	12.9
2	10640.00	34.2 AV	54.0	-19.8	2.29 V	138	21.3	12.9
3	15960.00	46.5 PK	74.0	-27.5	1.64 V	151	33.7	12.8
4	15960.00	33.9 AV	54.0	-20.1	1.64 V	151	21.1	12.8

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.

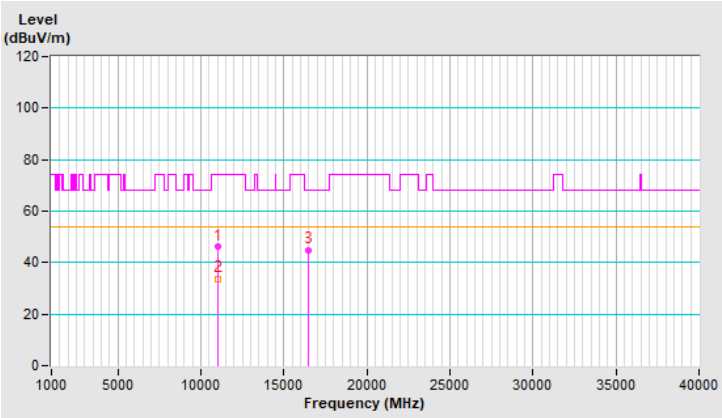


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	46.1 PK	74.0	-27.9	1.54 H	290	33.1	13.0
2	11000.00	33.4 AV	54.0	-20.6	1.54 H	290	20.4	13.0
3	#16500.00	44.6 PK	68.2	-23.6	1.48 H	201	30.0	14.6

REMARKS:

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

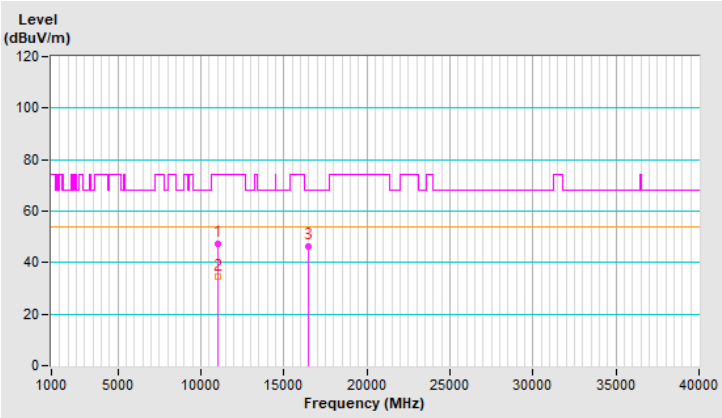


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	47.2 PK	74.0	-26.8	2.31 V	148	34.2	13.0
2	11000.00	34.4 AV	54.0	-19.6	2.31 V	148	21.4	13.0
3	#16500.00	46.4 PK	68.2	-21.8	1.58 V	170	31.8	14.6

REMARKS:

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

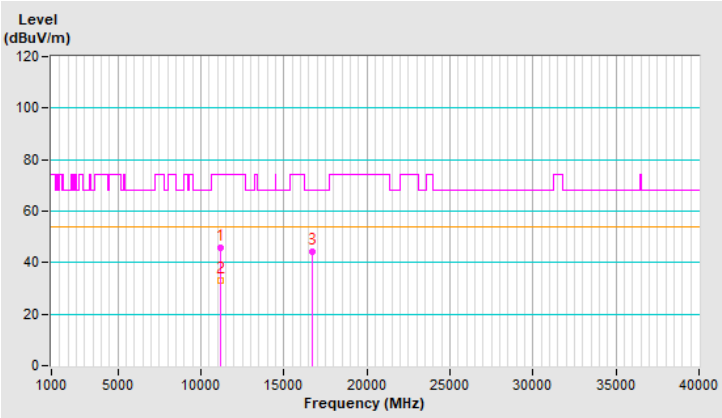


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11160.00	45.7 PK	74.0	-28.3	1.58 H	293	32.6	13.1
2	11160.00	33.3 AV	54.0	-20.7	1.58 H	293	20.2	13.1
3	#16740.00	44.1 PK	68.2	-24.1	1.49 H	206	27.9	16.2

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.
5. " # ": The radiated frequency is out of the restricted band.

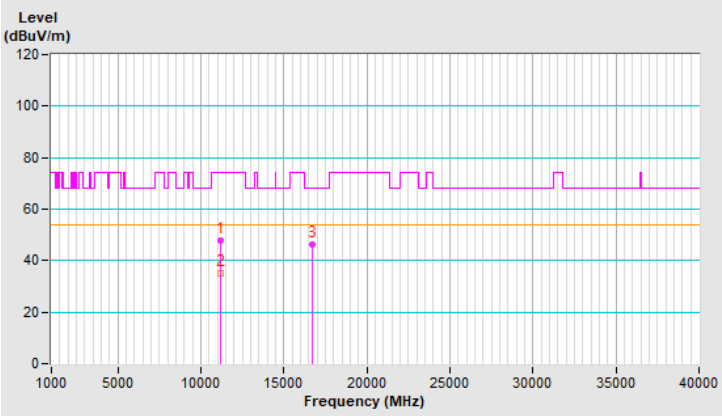


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11160.00	47.9 PK	74.0	-26.1	2.31 V	151	34.8	13.1
2	11160.00	35.0 AV	54.0	-19.0	2.31 V	151	21.9	13.1
3	#16740.00	46.3 PK	68.2	-21.9	1.60 V	157	30.1	16.2

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.
5. " # ": The radiated frequency is out of the restricted band.

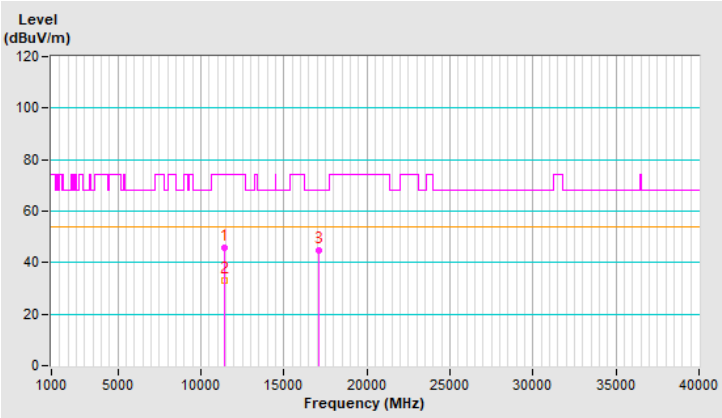


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	46.0 PK	74.0	-28.0	1.58 H	284	32.8	13.2
2	11400.00	33.3 AV	54.0	-20.7	1.58 H	284	20.1	13.2
3	#17100.00	45.0 PK	68.2	-23.2	1.50 H	190	27.8	17.2

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.
5. " # ": The radiated frequency is out of the restricted band.

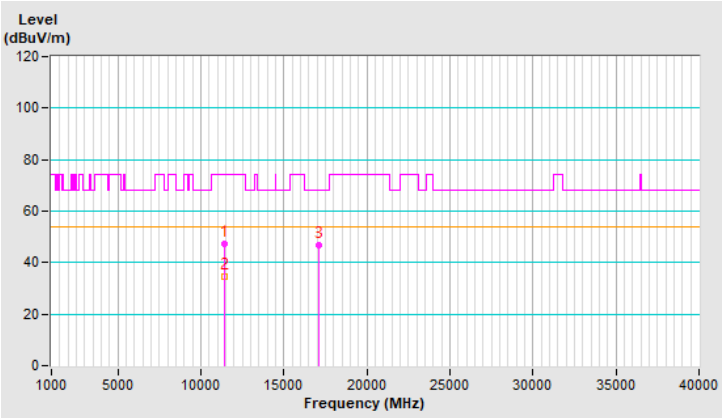


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	47.5 PK	74.0	-26.5	2.30 V	155	34.3	13.2
2	11400.00	34.6 AV	54.0	-19.4	2.30 V	155	21.4	13.2
3	#17100.00	46.8 PK	68.2	-21.4	1.55 V	167	29.6	17.2

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.
5. " # ": The radiated frequency is out of the restricted band.

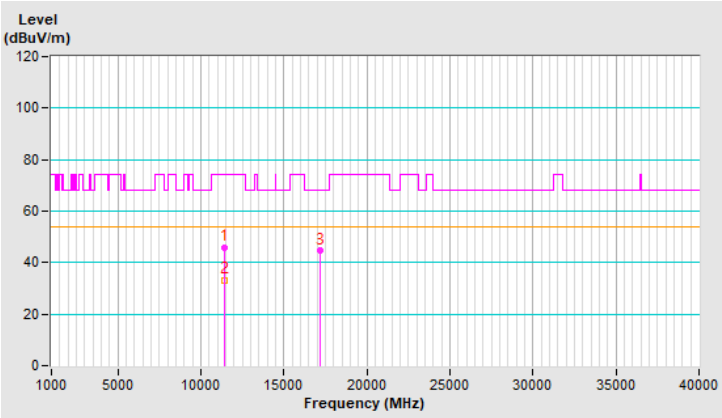


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11440.00	45.6 PK	74.0	-28.4	1.54 H	315	32.3	13.3
2	11440.00	33.2 AV	54.0	-20.8	1.54 H	315	19.9	13.3
3	#17160.00	44.5 PK	68.2	-23.7	1.40 H	192	27.1	17.4

REMARKS:

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

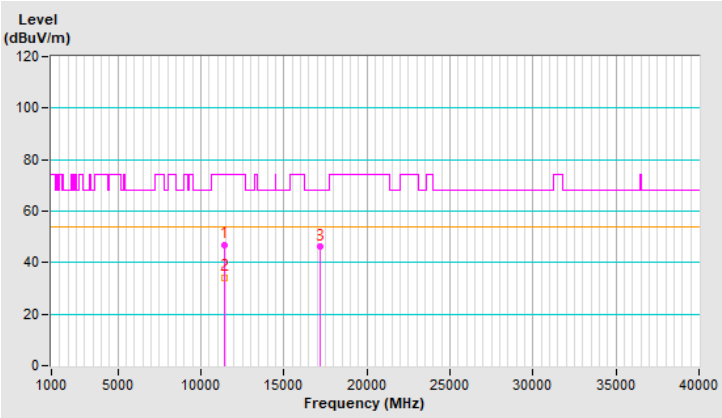


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11440.00	47.0 PK	74.0	-27.0	2.27 V	160	33.7	13.3
2	11440.00	34.3 AV	54.0	-19.7	2.27 V	160	21.0	13.3
3	#17160.00	46.1 PK	68.2	-22.1	1.56 V	158	28.7	17.4

REMARKS:

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

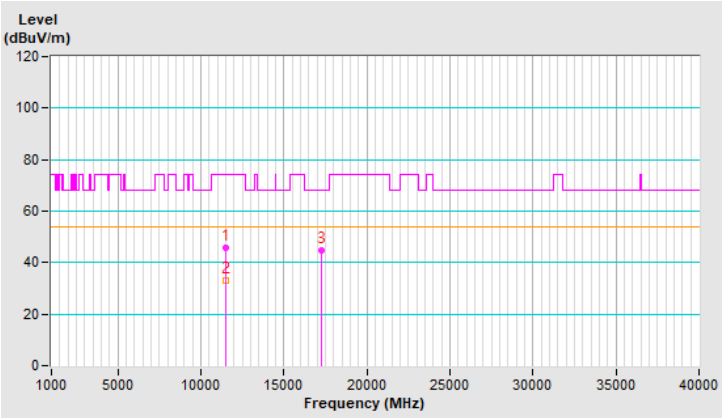


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	45.8 PK	74.0	-28.2	1.52 H	291	32.5	13.3
2	11490.00	33.1 AV	54.0	-20.9	1.52 H	291	19.8	13.3
3	#17235.00	45.0 PK	68.2	-23.2	1.40 H	197	27.4	17.6

REMARKS:

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

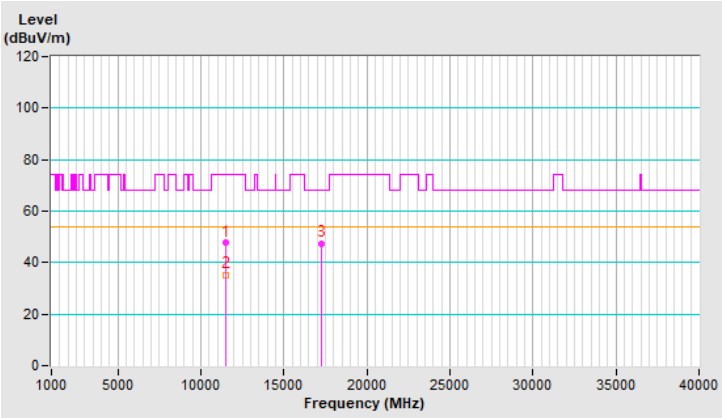


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	47.6 PK	74.0	-26.4	2.31 V	151	34.3	13.3
2	11490.00	35.0 AV	54.0	-19.0	2.31 V	151	21.7	13.3
3	#17235.00	47.2 PK	68.2	-21.0	1.58 V	175	29.6	17.6

REMARKS:

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

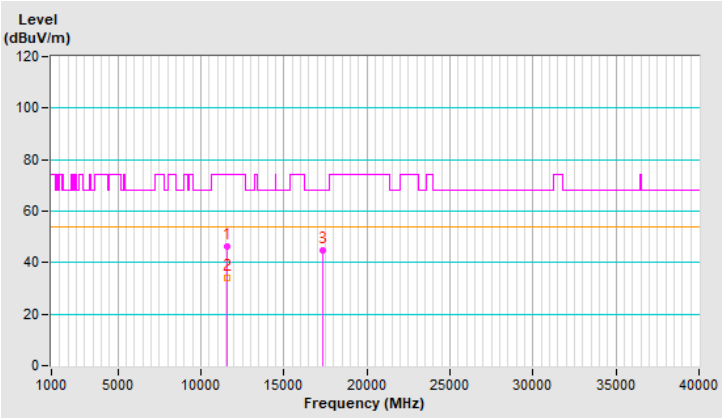


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	46.4 PK	74.0	-27.6	1.49 H	310	33.2	13.2
2	11570.00	33.9 AV	54.0	-20.1	1.49 H	310	20.7	13.2
3	#17355.00	44.6 PK	68.2	-23.6	1.40 H	182	27.0	17.6

REMARKS:

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

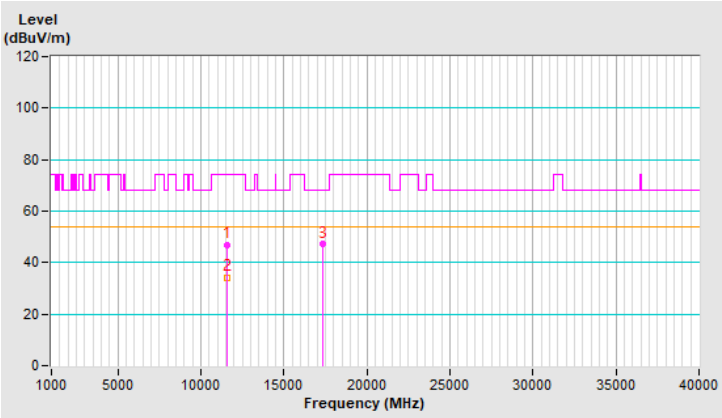


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	47.0 PK	74.0	-27.0	2.31 V	140	33.8	13.2
2	11570.00	34.3 AV	54.0	-19.7	2.31 V	140	21.1	13.2
3	#17355.00	47.1 PK	68.2	-21.1	1.62 V	153	29.5	17.6

REMARKS:

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

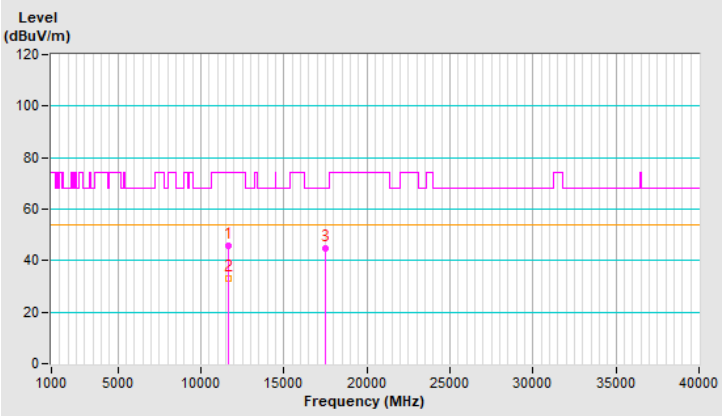


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	45.8 PK	74.0	-28.2	1.49 H	311	32.5	13.3
2	11650.00	33.3 AV	54.0	-20.7	1.49 H	311	20.0	13.3
3	#17475.00	44.6 PK	68.2	-23.6	1.39 H	180	26.7	17.9

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.
5. " # ": The radiated frequency is out of the restricted band.

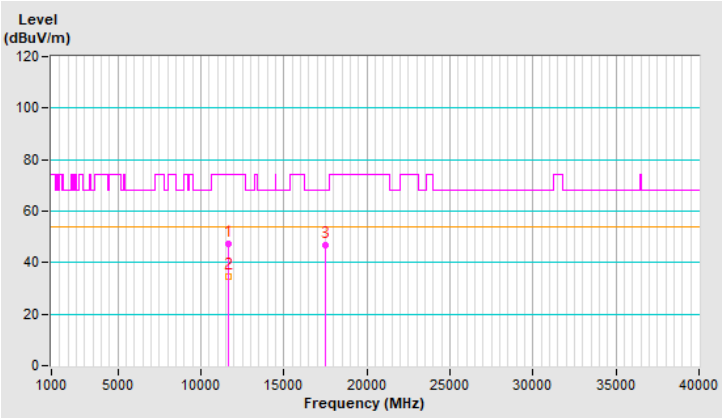


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	47.5 PK	74.0	-26.5	2.36 V	160	34.2	13.3
2	11650.00	34.8 AV	54.0	-19.2	2.36 V	160	21.5	13.3
3	#17475.00	46.8 PK	68.2	-21.4	1.66 V	173	28.9	17.9

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.
5. " # ": The radiated frequency is out of the restricted band.



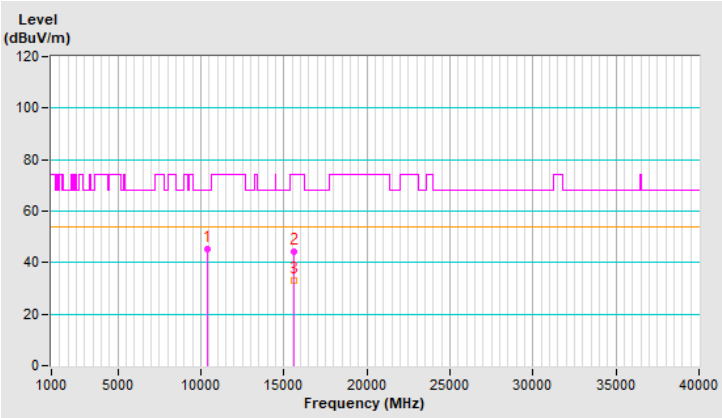
802.11ac (VHT40)

CHANNEL	TX Channel 38	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#10380.00	45.4 PK	68.2	-22.8	1.60 H	285	32.7	12.7
2	15570.00	44.1 PK	74.0	-29.9	1.44 H	207	30.7	13.4
3	15570.00	33.1 AV	54.0	-20.9	1.44 H	207	19.7	13.4

REMARKS:

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

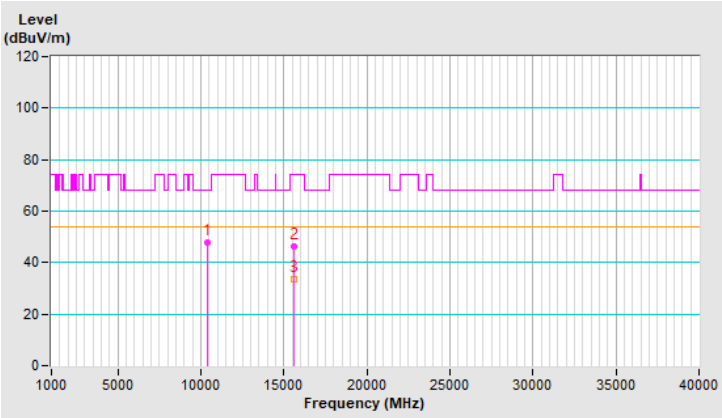


CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10380.00	47.8 PK	68.2	-20.4	2.35 V	138	35.1	12.7
2	15570.00	46.3 PK	74.0	-27.7	1.59 V	177	32.9	13.4
3	15570.00	33.7 AV	54.0	-20.3	1.59 V	177	20.3	13.4

REMARKS:

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

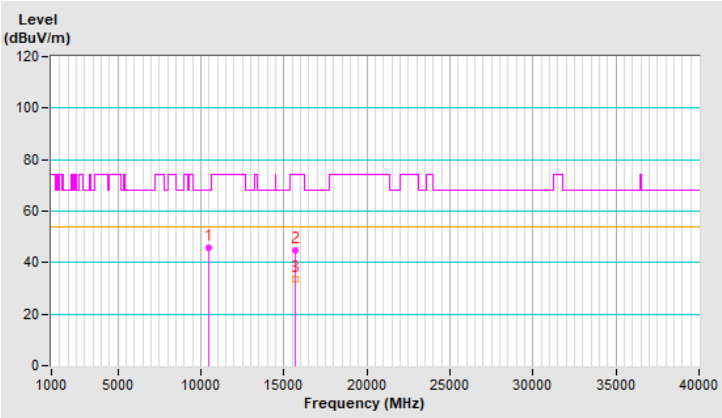


CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10460.00	45.8 PK	68.2	-22.4	1.55 H	295	32.8	13.0
2	15690.00	44.6 PK	74.0	-29.4	1.48 H	201	30.7	13.9
3	15690.00	33.6 AV	54.0	-20.4	1.48 H	201	19.7	13.9

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.
5. " # ": The radiated frequency is out of the restricted band.

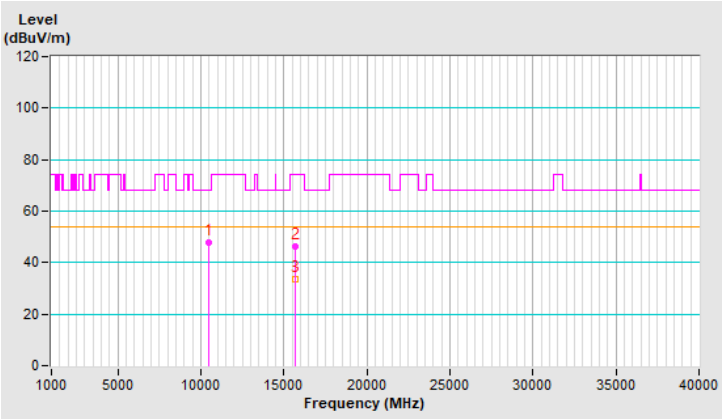


CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10460.00	47.8 PK	68.2	-20.4	2.34 V	148	34.8	13.0
2	15690.00	46.5 PK	74.0	-27.5	1.66 V	150	32.6	13.9
3	15690.00	33.4 AV	54.0	-20.6	1.66 V	150	19.5	13.9

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.
5. " # ": The radiated frequency is out of the restricted band.

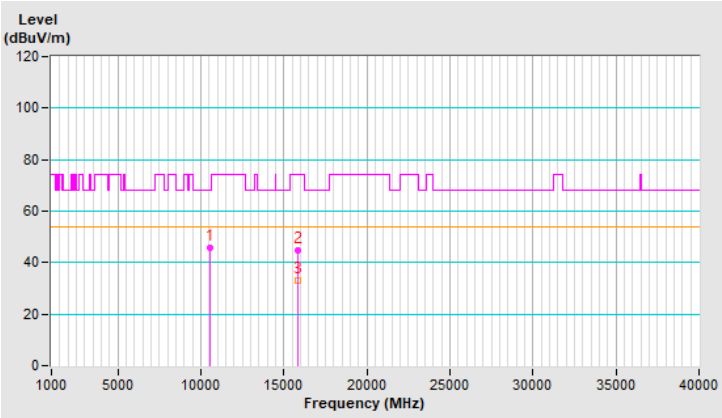


CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10540.00	45.6 PK	68.2	-22.6	1.50 H	295	32.6	13.0
2	15810.00	44.7 PK	74.0	-29.3	1.48 H	186	31.5	13.2
3	15810.00	33.2 AV	54.0	-20.8	1.48 H	186	20.0	13.2

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.
5. " # ": The radiated frequency is out of the restricted band.

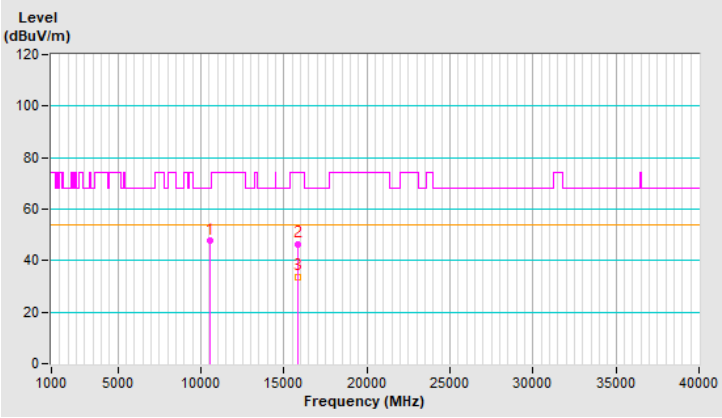


CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10540.00	47.6 PK	68.2	-20.6	2.26 V	153	34.6	13.0
2	15810.00	46.2 PK	74.0	-27.8	1.60 V	179	33.0	13.2
3	15810.00	33.5 AV	54.0	-20.5	1.60 V	179	20.3	13.2

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.
5. " # ": The radiated frequency is out of the restricted band.

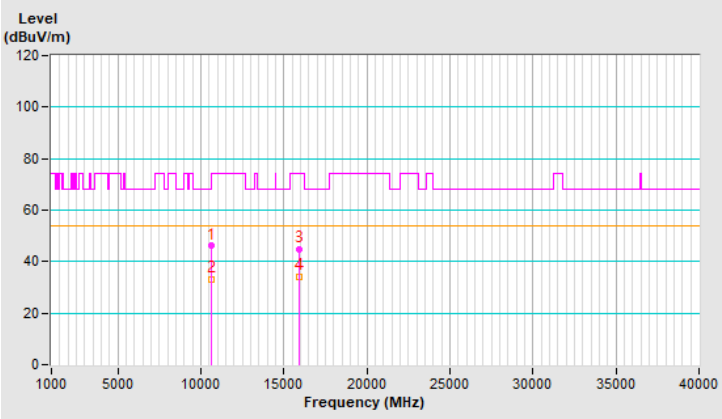


CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10620.00	46.1 PK	74.0	-27.9	1.53 H	316	33.2	12.9
2	10620.00	33.3 AV	54.0	-20.7	1.53 H	316	20.4	12.9
3	15930.00	44.8 PK	74.0	-29.2	1.40 H	180	32.0	12.8
4	15930.00	33.9 AV	54.0	-20.1	1.40 H	180	21.1	12.8

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.

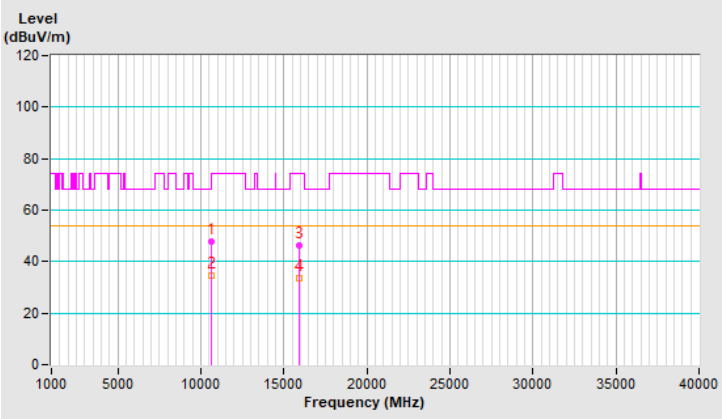


CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10620.00	47.7 PK	74.0	-26.3	2.35 V	155	34.8	12.9
2	10620.00	34.8 AV	54.0	-19.2	2.35 V	155	21.9	12.9
3	15930.00	46.3 PK	74.0	-27.7	1.65 V	157	33.5	12.8
4	15930.00	33.7 AV	54.0	-20.3	1.65 V	157	20.9	12.8

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.

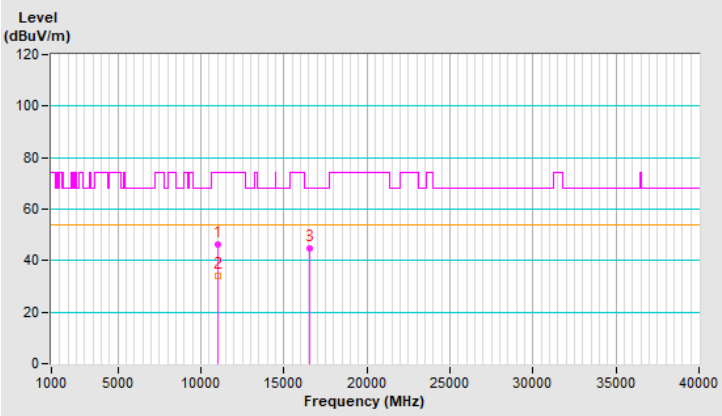


CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11020.00	46.4 PK	74.0	-27.6	1.50 H	312	33.4	13.0
2	11020.00	33.9 AV	54.0	-20.1	1.50 H	312	20.9	13.0
3	#16530.00	44.9 PK	68.2	-23.3	1.40 H	200	30.2	14.7

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.
5. " # ": The radiated frequency is out of the restricted band.

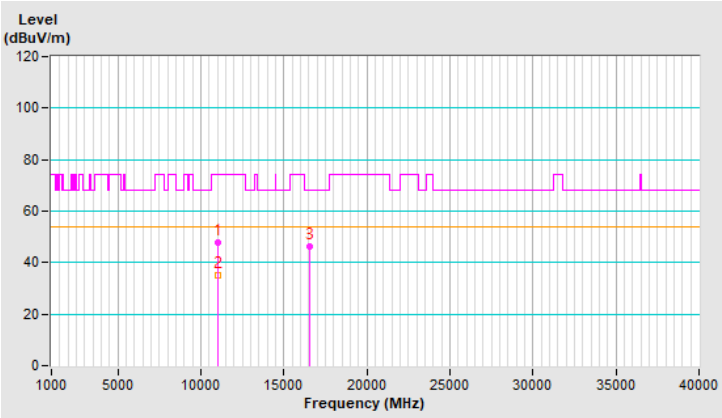


CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11020.00	47.9 PK	74.0	-26.1	2.31 V	161	34.9	13.0
2	11020.00	35.0 AV	54.0	-19.0	2.31 V	161	22.0	13.0
3	#16530.00	46.4 PK	68.2	-21.8	1.66 V	169	31.7	14.7

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.
5. " # ": The radiated frequency is out of the restricted band.

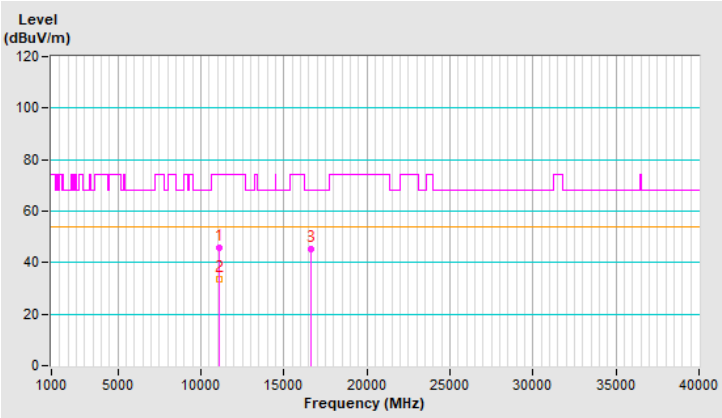


CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11100.00	45.9 PK	74.0	-28.1	1.52 H	312	32.9	13.0
2	11100.00	33.5 AV	54.0	-20.5	1.52 H	312	20.5	13.0
3	#16650.00	45.3 PK	68.2	-22.9	1.48 H	185	29.6	15.7

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.
5. " # ": The radiated frequency is out of the restricted band.

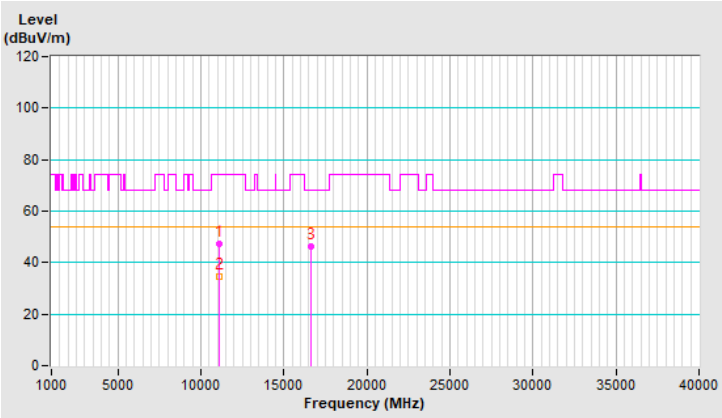


CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11100.00	47.5 PK	74.0	-26.5	2.36 V	146	34.5	13.0
2	11100.00	34.6 AV	54.0	-19.4	2.36 V	146	21.6	13.0
3	#16650.00	46.5 PK	68.2	-21.7	1.60 V	158	30.8	15.7

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.
5. " # ": The radiated frequency is out of the restricted band.

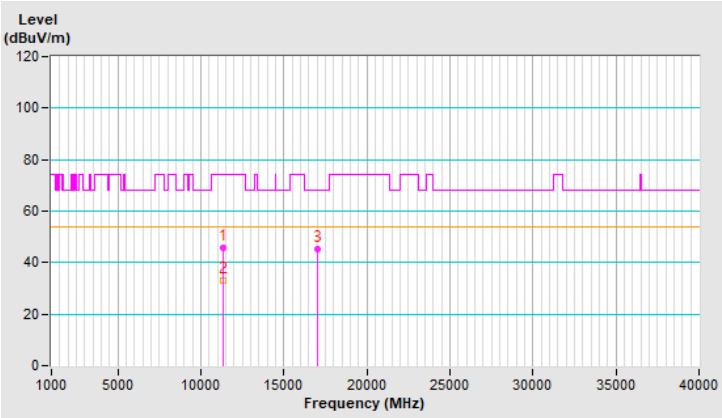


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11340.00	46.0 PK	74.0	-28.0	1.52 H	307	32.8	13.2
2	11340.00	33.1 AV	54.0	-20.9	1.52 H	307	19.9	13.2
3	#17010.00	45.4 PK	68.2	-22.8	1.45 H	188	28.4	17.0

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.
5. " # ": The radiated frequency is out of the restricted band.

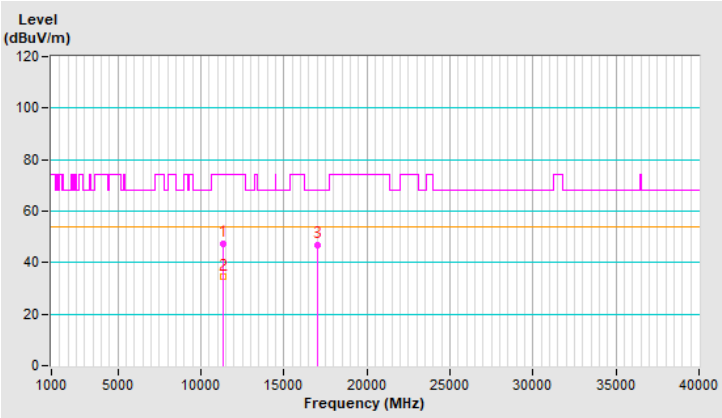


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11340.00	47.5 PK	74.0	-26.5	2.35 V	151	34.3	13.2
2	11340.00	34.4 AV	54.0	-19.6	2.35 V	151	21.2	13.2
3	#17010.00	46.7 PK	68.2	-21.5	1.60 V	161	29.7	17.0

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.
5. " # ": The radiated frequency is out of the restricted band.

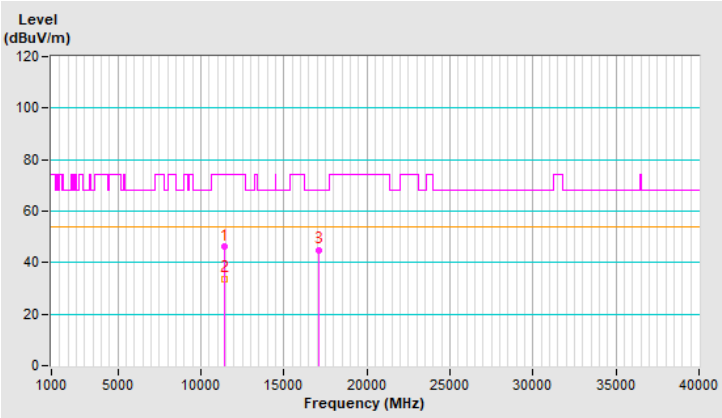


CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11420.00	46.1 PK	74.0	-27.9	1.50 H	297	32.9	13.2
2	11420.00	33.6 AV	54.0	-20.4	1.50 H	297	20.4	13.2
3	#17130.00	44.7 PK	68.2	-23.5	1.45 H	184	27.5	17.2

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.
5. " # ": The radiated frequency is out of the restricted band.

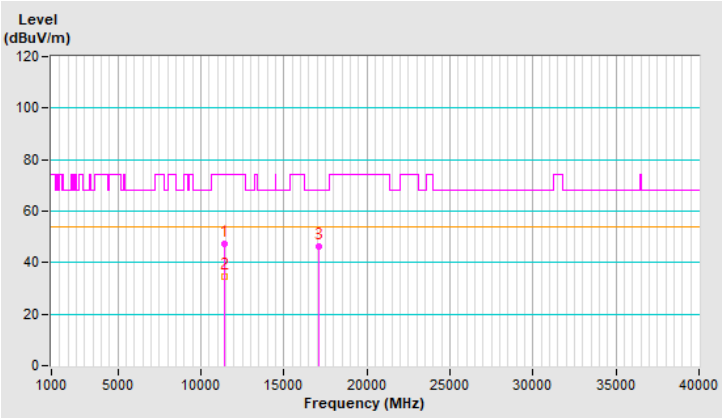


CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11420.00	47.4 PK	74.0	-26.6	2.28 V	142	34.2	13.2
2	11420.00	34.7 AV	54.0	-19.3	2.28 V	142	21.5	13.2
3	#17130.00	46.4 PK	68.2	-21.8	1.67 V	177	29.2	17.2

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.
5. " # ": The radiated frequency is out of the restricted band.

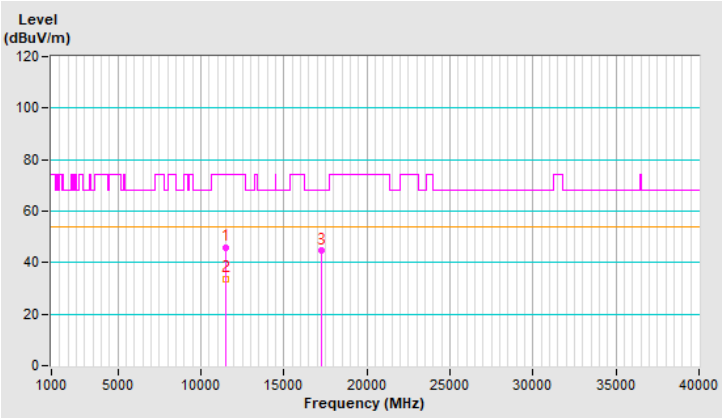


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11510.00	46.0 PK	74.0	-28.0	1.52 H	285	32.7	13.3
2	11510.00	33.4 AV	54.0	-20.6	1.52 H	285	20.1	13.3
3	#17265.00	44.5 PK	68.2	-23.7	1.40 H	209	27.0	17.5

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.
5. " # ": The radiated frequency is out of the restricted band.

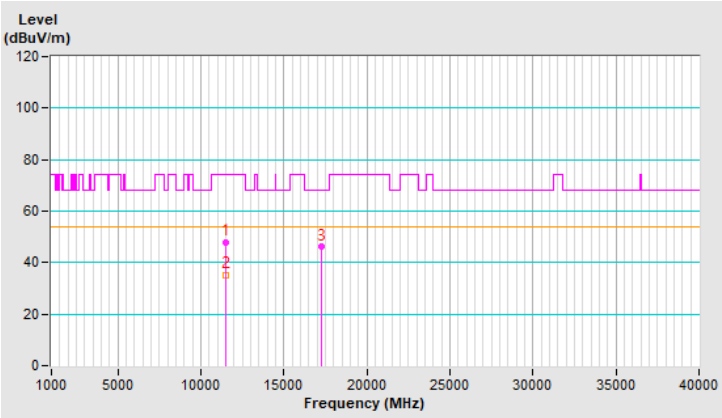


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11510.00	47.9 PK	74.0	-26.1	2.36 V	139	34.6	13.3
2	11510.00	35.1 AV	54.0	-18.9	2.36 V	139	21.8	13.3
3	#17265.00	46.1 PK	68.2	-22.1	1.65 V	179	28.6	17.5

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.
5. " # ": The radiated frequency is out of the restricted band.

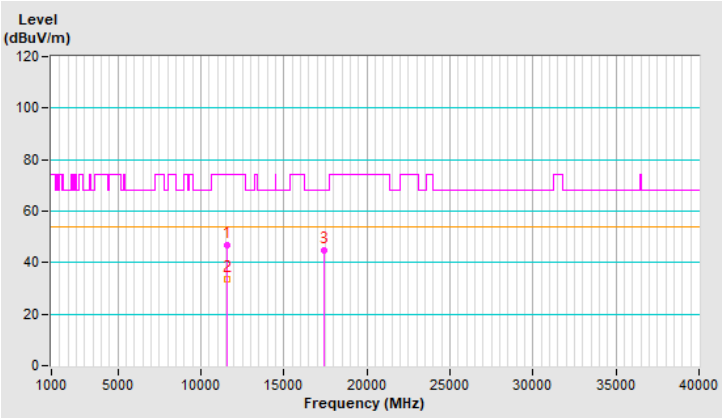


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11590.00	46.7 PK	74.0	-27.3	1.55 H	304	33.4	13.3
2	11590.00	33.8 AV	54.0	-20.2	1.55 H	304	20.5	13.3
3	#17385.00	45.0 PK	68.2	-23.2	1.42 H	182	27.3	17.7

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.
5. " # ": The radiated frequency is out of the restricted band.

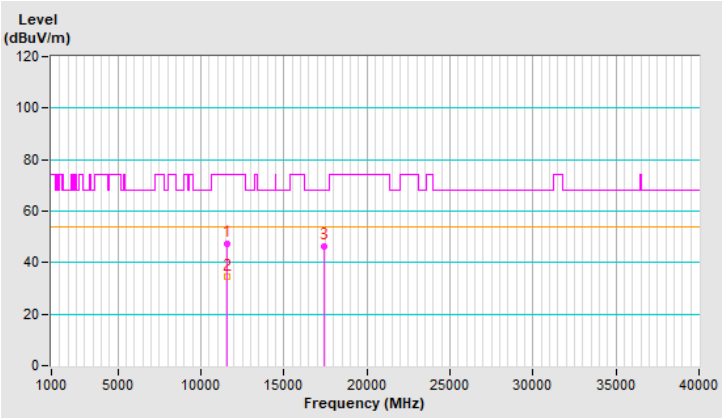


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11590.00	47.2 PK	74.0	-26.8	2.27 V	152	33.9	13.3
2	11590.00	34.4 AV	54.0	-19.6	2.27 V	152	21.1	13.3
3	#17385.00	46.5 PK	68.2	-21.7	1.64 V	167	28.8	17.7

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.
5. " # ": The radiated frequency is out of the restricted band.



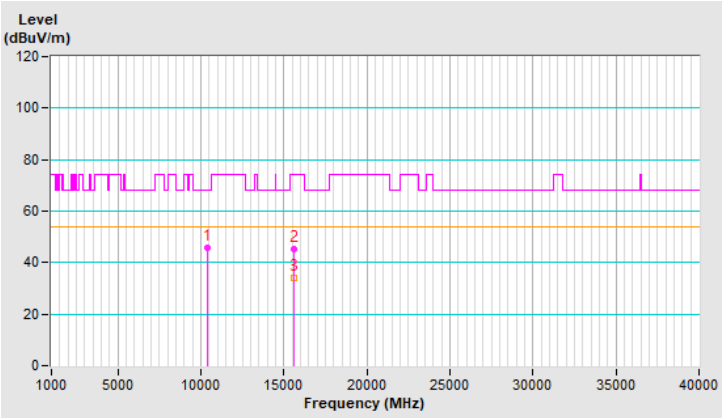
802.11ac (VHT80)

CHANNEL	TX Channel 42	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#10420.00	46.0 PK	68.2	-22.2	1.49 H	314	33.2	12.8
2	15630.00	45.1 PK	74.0	-28.9	1.44 H	204	31.4	13.7
3	15630.00	33.9 AV	54.0	-20.1	1.44 H	204	20.2	13.7

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.
5. " # ": The radiated frequency is out of the restricted band.

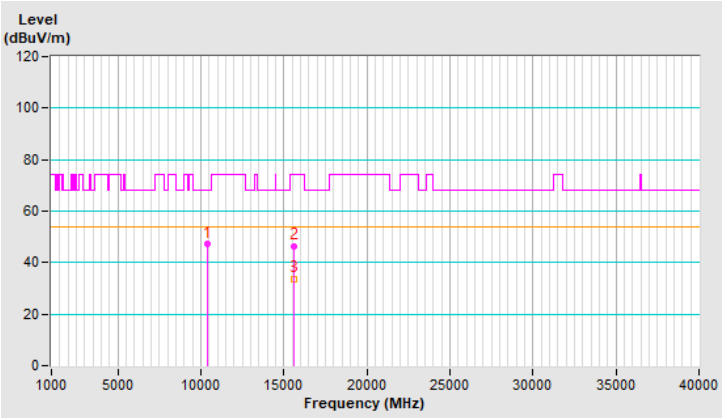


CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10420.00	47.1 PK	68.2	-21.1	2.35 V	151	34.3	12.8
2	15630.00	46.5 PK	74.0	-27.5	1.66 V	171	32.8	13.7
3	15630.00	33.7 AV	54.0	-20.3	1.66 V	171	20.0	13.7

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.
5. " # ": The radiated frequency is out of the restricted band.

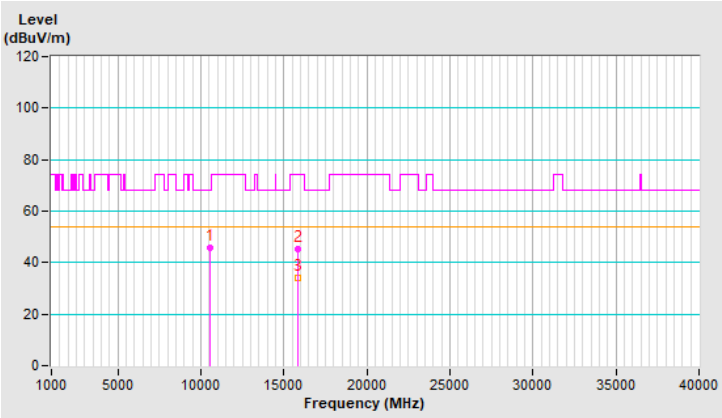


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10580.00	45.9 PK	68.2	-22.3	1.58 H	293	33.0	12.9
2	15870.00	45.3 PK	74.0	-28.7	1.43 H	191	32.4	12.9
3	15870.00	33.9 AV	54.0	-20.1	1.43 H	191	21.0	12.9

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.
5. " # ": The radiated frequency is out of the restricted band.

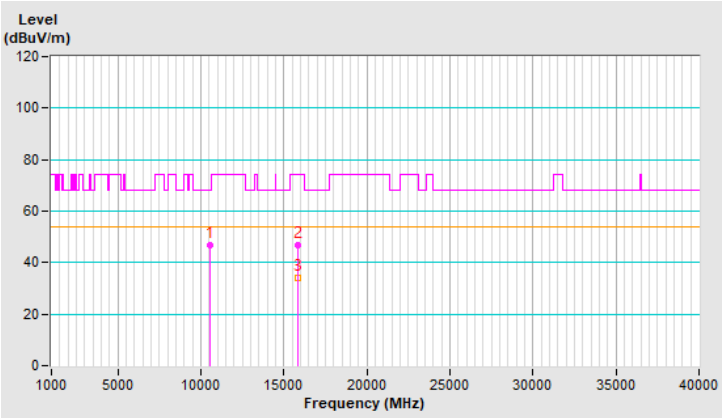


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10580.00	47.0 PK	68.2	-21.2	2.32 V	134	34.1	12.9
2	15870.00	46.8 PK	74.0	-27.2	1.60 V	153	33.9	12.9
3	15870.00	34.1 AV	54.0	-19.9	1.60 V	153	21.2	12.9

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.
5. " # ": The radiated frequency is out of the restricted band.

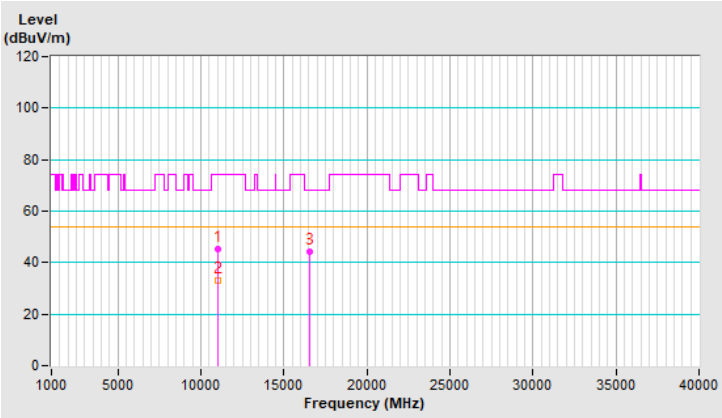


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11060.00	45.3 PK	74.0	-28.7	1.58 H	288	32.4	12.9
2	11060.00	33.0 AV	54.0	-21.0	1.58 H	288	20.1	12.9
3	#16590.00	44.4 PK	68.2	-23.8	1.44 H	191	29.5	14.9

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.
5. " # ": The radiated frequency is out of the restricted band.

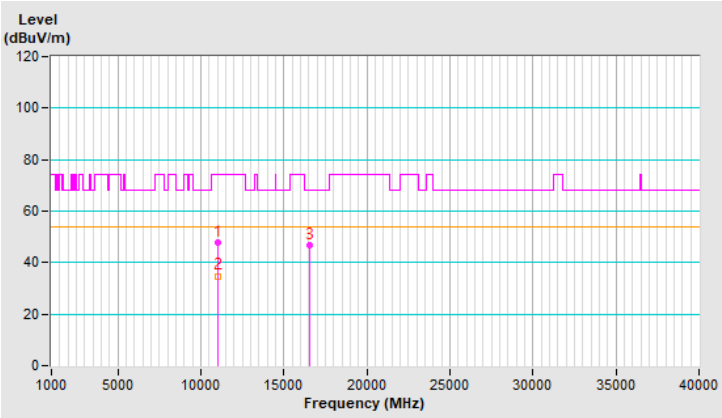


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11060.00	47.6 PK	74.0	-26.4	2.36 V	140	34.7	12.9
2	11060.00	34.7 AV	54.0	-19.3	2.36 V	140	21.8	12.9
3	#16590.00	46.6 PK	68.2	-21.6	1.63 V	179	31.7	14.9

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.
5. " # ": The radiated frequency is out of the restricted band.

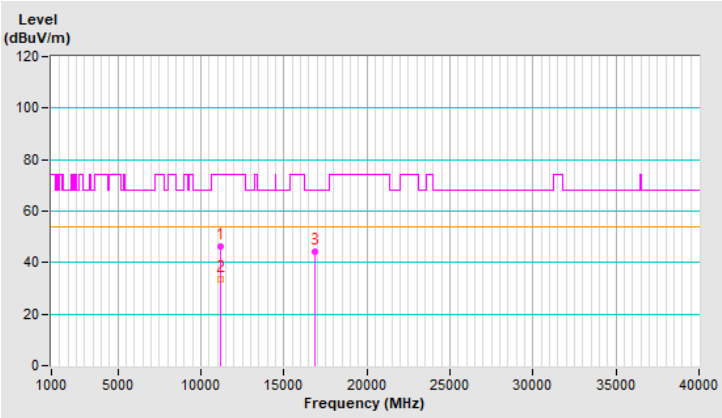


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11220.00	46.3 PK	74.0	-27.7	1.56 H	295	33.1	13.2
2	11220.00	33.5 AV	54.0	-20.5	1.56 H	295	20.3	13.2
3	#16830.00	44.3 PK	68.2	-23.9	1.42 H	191	28.2	16.1

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.
5. " # ": The radiated frequency is out of the restricted band.

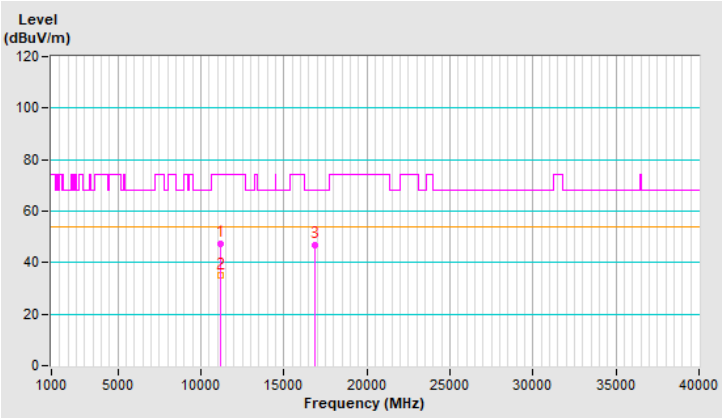


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11220.00	47.5 PK	74.0	-26.5	2.29 V	157	34.3	13.2
2	11220.00	34.9 AV	54.0	-19.1	2.29 V	157	21.7	13.2
3	#16830.00	46.7 PK	68.2	-21.5	1.61 V	175	30.6	16.1

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.
5. " # ": The radiated frequency is out of the restricted band.

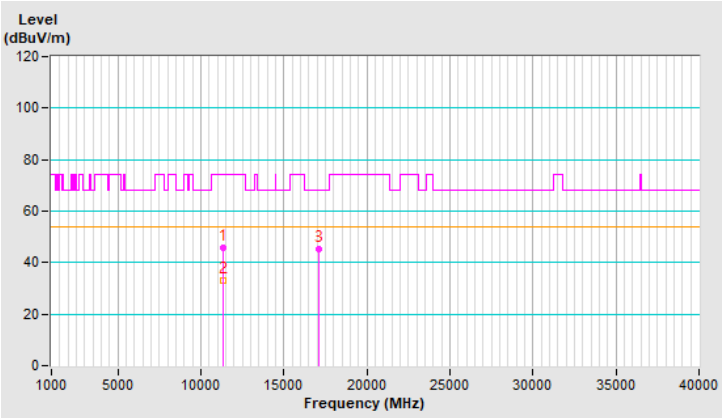


CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11380.00	46.0 PK	74.0	-28.0	1.51 H	300	32.8	13.2
2	11380.00	33.1 AV	54.0	-20.9	1.51 H	300	19.9	13.2
3	#17070.00	45.1 PK	68.2	-23.1	1.46 H	182	28.1	17.0

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.
5. " # ": The radiated frequency is out of the restricted band.

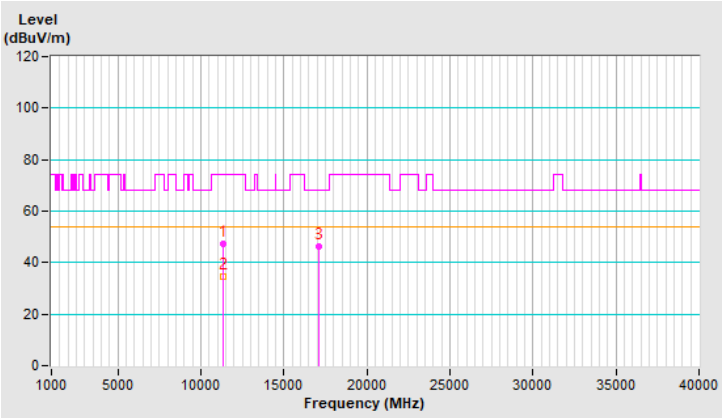


CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11380.00	47.4 PK	74.0	-26.6	2.35 V	133	34.2	13.2
2	11380.00	34.8 AV	54.0	-19.2	2.35 V	133	21.6	13.2
3	#17070.00	46.3 PK	68.2	-21.9	1.57 V	177	29.3	17.0

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.
5. " # ": The radiated frequency is out of the restricted band.

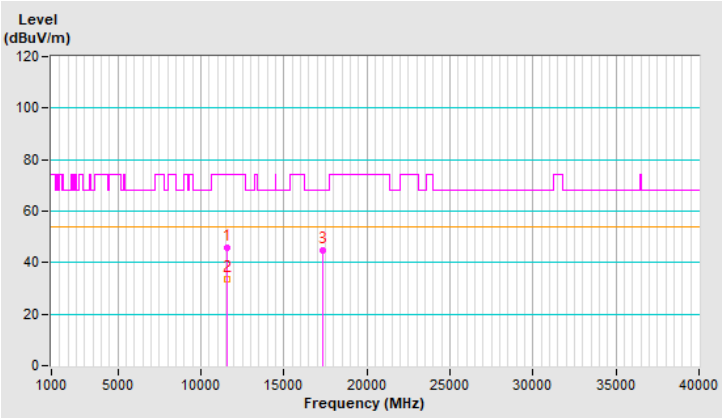


CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11550.00	46.0 PK	74.0	-28.0	1.52 H	306	32.8	13.2
2	11550.00	33.4 AV	54.0	-20.6	1.52 H	306	20.2	13.2
3	#17325.00	45.0 PK	68.2	-23.2	1.49 H	200	27.4	17.6

REMARKS:

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

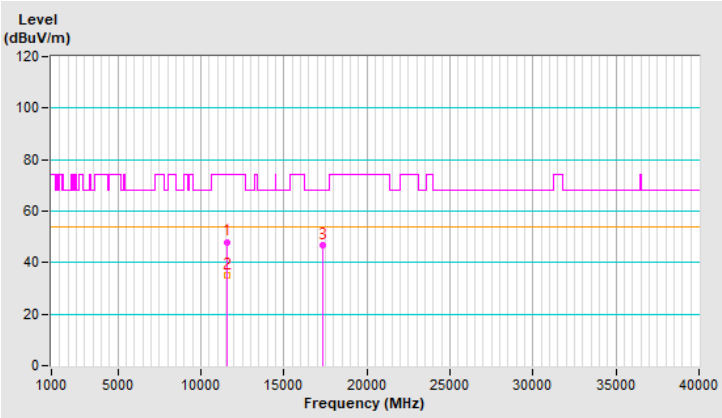


CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11550.00	47.9 PK	74.0	-26.1	2.36 V	156	34.7	13.2
2	11550.00	34.9 AV	54.0	-19.1	2.36 V	156	21.7	13.2
3	#17325.00	46.6 PK	68.2	-21.6	1.63 V	160	29.0	17.6

REMARKS:

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



Below 1GHz Data:

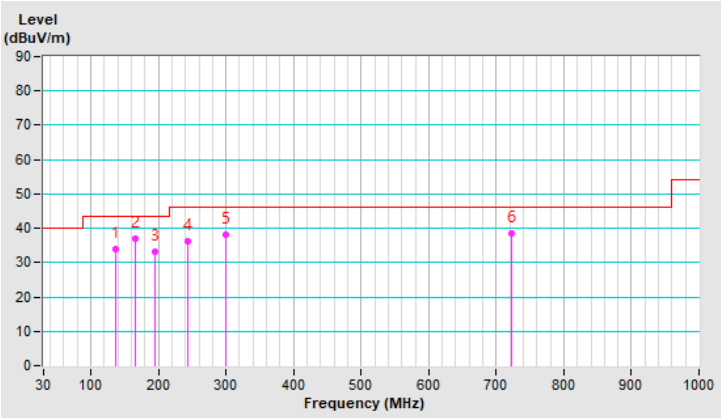
802.11ac (VHT20)

CHANNEL	TX Channel 48	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	136.87	34.0 QP	43.5	-9.5	1.50 H	79	41.8	-7.8
2	166.26	36.8 QP	43.5	-6.7	1.00 H	307	44.3	-7.5
3	195.51	33.2 QP	43.5	-10.3	1.50 H	341	43.4	-10.2
4	242.94	36.0 QP	46.0	-10.0	1.00 H	284	44.6	-8.6
5	298.79	38.2 QP	46.0	-7.8	1.00 H	279	44.6	-6.4
6	722.24	38.4 QP	46.0	-7.6	1.50 H	360	35.5	2.9

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 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.

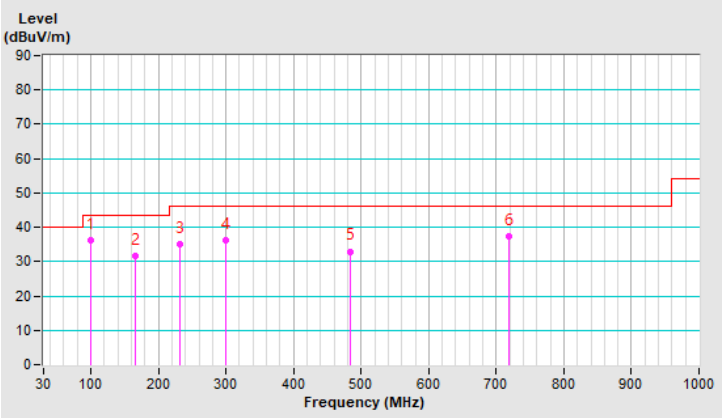


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.62	36.2 QP	43.5	-7.3	1.00 V	72	48.1	-11.9
2	165.97	31.5 QP	43.5	-12.0	1.00 V	360	38.9	-7.4
3	232.37	35.1 QP	46.0	-10.9	1.00 V	29	44.2	-9.1
4	299.32	36.1 QP	46.0	-9.9	2.00 V	149	42.5	-6.4
5	484.78	33.0 QP	46.0	-13.0	1.00 V	2	34.8	-1.8
6	718.89	37.4 QP	46.0	-8.6	2.00 V	357	34.8	2.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

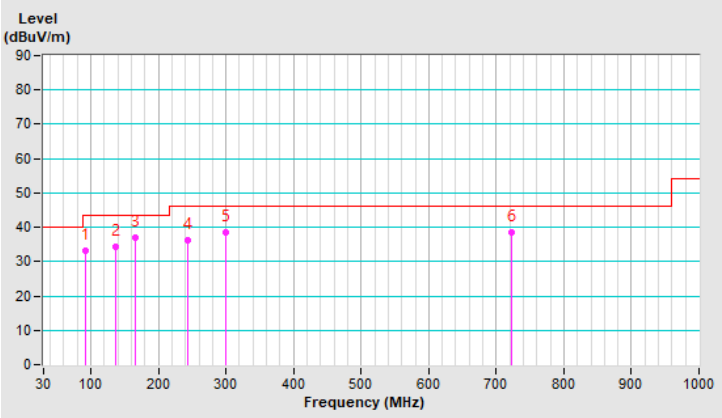


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	91.32	33.0 QP	43.5	-10.5	2.00 H	302	46.2	-13.2
2	136.99	34.2 QP	43.5	-9.3	1.50 H	98	42.0	-7.8
3	166.38	36.9 QP	43.5	-6.6	1.00 H	283	44.4	-7.5
4	243.07	36.2 QP	46.0	-9.8	1.00 H	300	44.8	-8.6
5	298.90	38.4 QP	46.0	-7.6	1.00 H	263	44.8	-6.4
6	722.37	38.6 QP	46.0	-7.4	1.50 H	6	35.7	2.9

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 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.

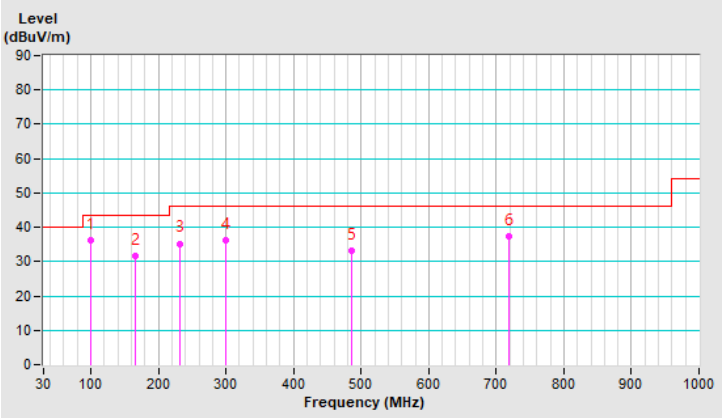


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.78	36.3 QP	43.5	-7.2	1.00 V	88	48.1	-11.8
2	166.07	31.7 QP	43.5	-11.8	1.00 V	358	39.1	-7.4
3	232.47	35.3 QP	46.0	-10.7	1.00 V	47	44.4	-9.1
4	299.44	36.2 QP	46.0	-9.8	2.00 V	167	42.6	-6.4
5	484.97	33.3 QP	46.0	-12.7	1.00 V	5	35.1	-1.8
6	719.03	37.5 QP	46.0	-8.5	2.00 V	360	34.9	2.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

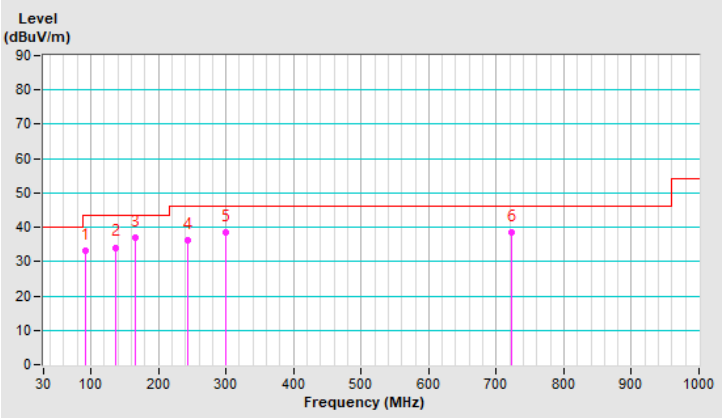


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	91.46	33.0 QP	43.5	-10.5	2.00 H	176	46.2	-13.2
2	136.98	34.1 QP	43.5	-9.4	1.50 H	104	41.9	-7.8
3	166.38	36.9 QP	43.5	-6.6	1.00 H	324	44.4	-7.5
4	243.09	36.2 QP	46.0	-9.8	1.00 H	304	44.8	-8.6
5	298.93	38.4 QP	46.0	-7.6	1.00 H	298	44.8	-6.4
6	722.41	38.6 QP	46.0	-7.4	1.50 H	338	35.7	2.9

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 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.

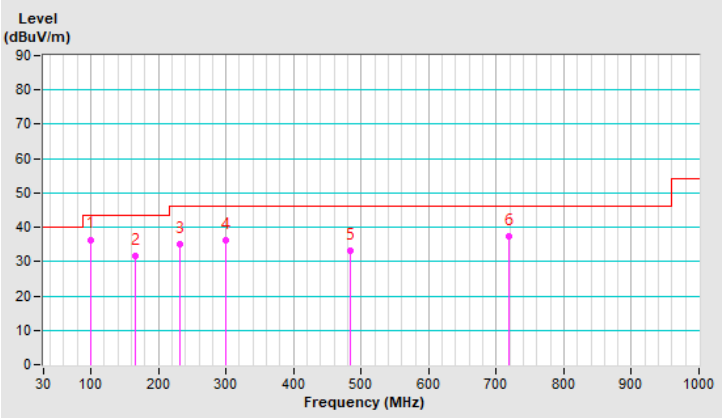


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.80	36.4 QP	43.5	-7.1	1.00 V	92	48.2	-11.8
2	166.10	31.7 QP	43.5	-11.8	1.00 V	349	39.1	-7.4
3	232.50	35.2 QP	46.0	-10.8	1.00 V	33	44.3	-9.1
4	299.44	36.2 QP	46.0	-9.8	2.00 V	164	42.6	-6.4
5	484.91	33.2 QP	46.0	-12.8	1.00 V	19	35.0	-1.8
6	719.04	37.5 QP	46.0	-8.5	2.00 V	360	34.9	2.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

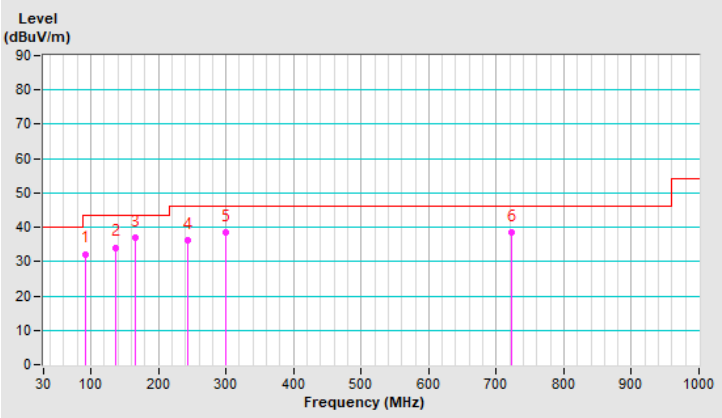


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	91.42	32.2 QP	43.5	-11.3	1.50 H	319	45.4	-13.2
2	137.00	34.1 QP	43.5	-9.4	1.50 H	95	41.9	-7.8
3	166.43	37.0 QP	43.5	-6.5	1.00 H	280	44.5	-7.5
4	243.05	36.1 QP	46.0	-9.9	1.00 H	301	44.7	-8.6
5	298.90	38.4 QP	46.0	-7.6	2.00 H	265	44.8	-6.4
6	722.33	38.6 QP	46.0	-7.4	1.50 H	360	35.7	2.9

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 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.

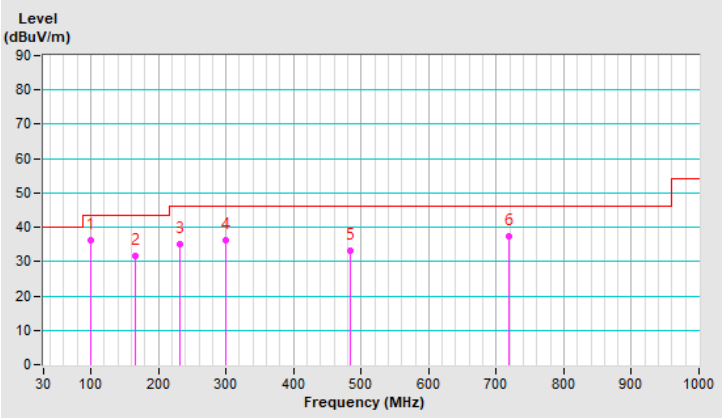


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.68	36.3 QP	43.5	-7.2	1.00 V	87	48.2	-11.9
2	166.11	31.6 QP	43.5	-11.9	1.00 V	347	39.0	-7.4
3	232.47	35.2 QP	46.0	-10.8	1.00 V	45	44.3	-9.1
4	299.46	36.2 QP	46.0	-9.8	2.00 V	164	42.6	-6.4
5	484.90	33.3 QP	46.0	-12.7	1.00 V	22	35.1	-1.8
6	719.03	37.5 QP	46.0	-8.5	2.00 V	341	34.9	2.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.



4.1.7.2 Test Results (Mode 2)

Radiated test was done with 50ohm terminator on antenna port

Above 1GHz Data:

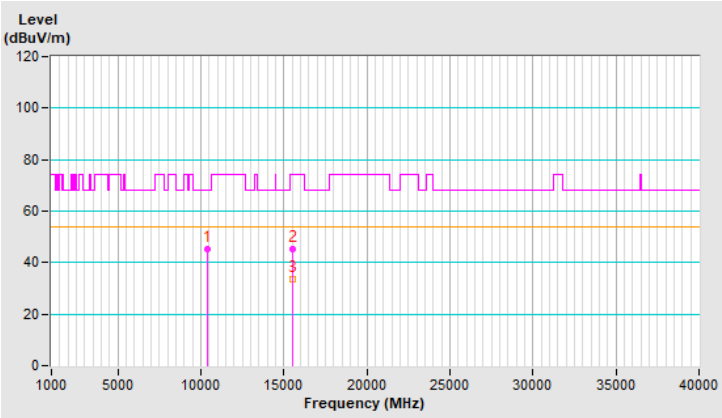
802.11a

CHANNEL	TX Channel 36	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#10360.00	45.3 PK	68.2	-22.9	1.52 H	284	32.6	12.7
2	15540.00	45.4 PK	74.0	-28.6	1.47 H	215	32.2	13.2
3	15540.00	33.7 AV	54.0	-20.3	1.47 H	215	20.5	13.2

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.
5. " # ": The radiated frequency is out of the restricted band.

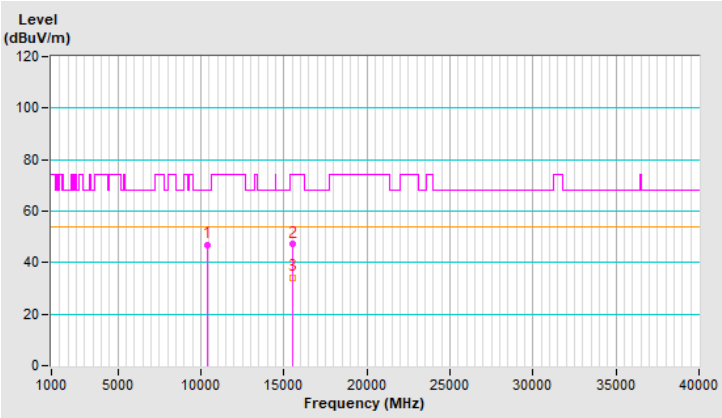


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10360.00	46.8 PK	68.2	-21.4	2.42 V	155	34.1	12.7
2	15540.00	47.1 PK	74.0	-26.9	1.66 V	176	33.9	13.2
3	15540.00	34.2 AV	54.0	-19.8	1.66 V	176	21.0	13.2

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.
5. " # ": The radiated frequency is out of the restricted band.

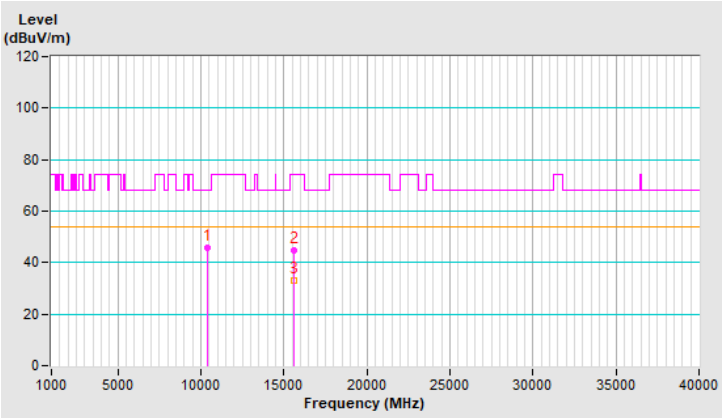


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	45.9 PK	68.2	-22.3	1.45 H	298	33.1	12.8
2	15600.00	45.0 PK	74.0	-29.0	1.41 H	234	31.5	13.5
3	15600.00	33.3 AV	54.0	-20.7	1.41 H	234	19.8	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

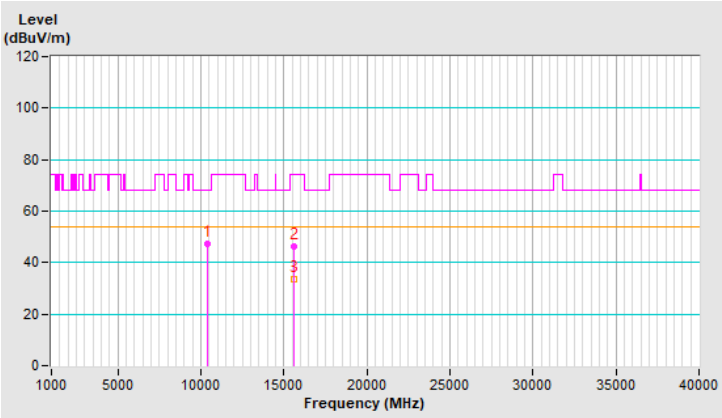


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	47.5 PK	68.2	-20.7	2.33 V	147	34.7	12.8
2	15600.00	46.3 PK	74.0	-27.7	1.67 V	179	32.8	13.5
3	15600.00	33.5 AV	54.0	-20.5	1.67 V	179	20.0	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

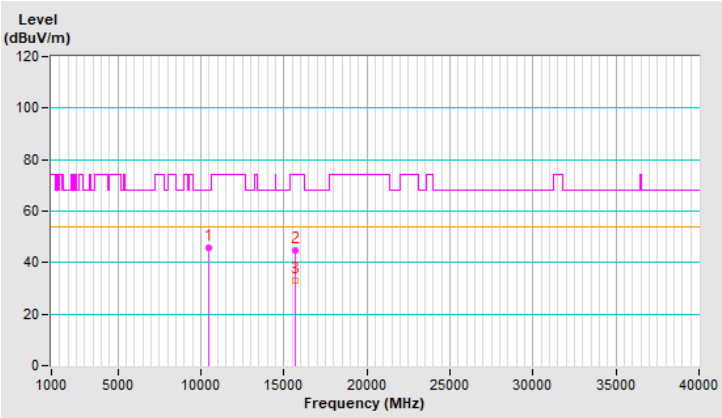


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	45.9 PK	68.2	-22.3	1.46 H	297	32.8	13.1
2	15720.00	45.0 PK	74.0	-29.0	1.41 H	232	31.2	13.8
3	15720.00	33.2 AV	54.0	-20.8	1.41 H	232	19.4	13.8

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.
5. " # ": The radiated frequency is out of the restricted band.

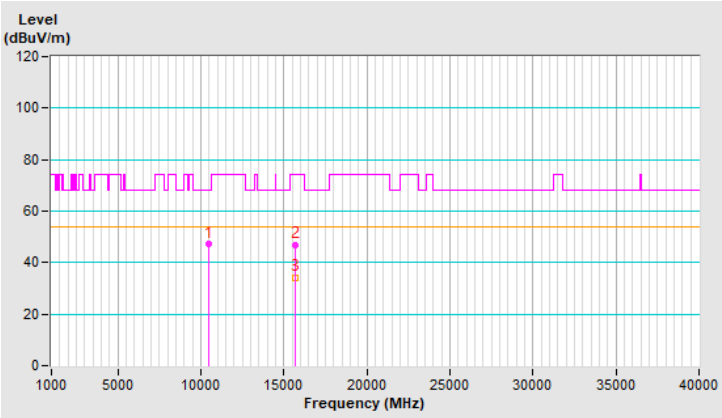


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	47.1 PK	68.2	-21.1	2.40 V	140	34.0	13.1
2	15720.00	47.0 PK	74.0	-27.0	1.61 V	180	33.2	13.8
3	15720.00	34.1 AV	54.0	-19.9	1.61 V	180	20.3	13.8

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.
5. " # ": The radiated frequency is out of the restricted band.

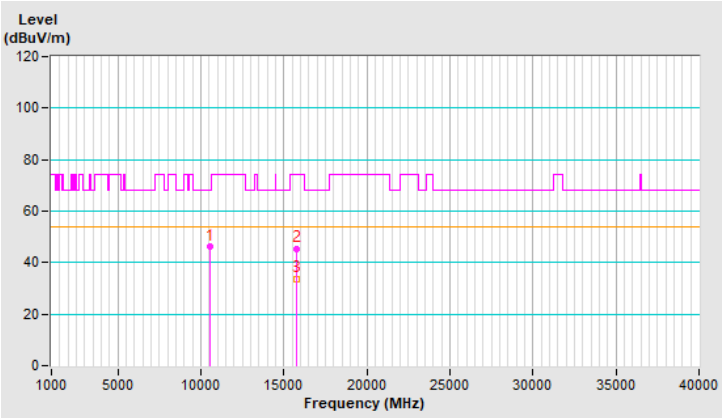


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	46.1 PK	68.2	-22.1	1.51 H	296	33.0	13.1
2	15780.00	45.1 PK	74.0	-28.9	1.48 H	222	31.6	13.5
3	15780.00	33.5 AV	54.0	-20.5	1.48 H	222	20.0	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

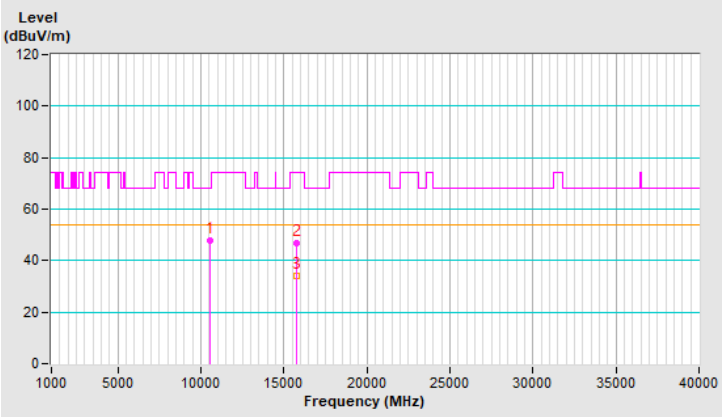


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	47.8 PK	68.2	-20.4	2.39 V	136	34.7	13.1
2	15780.00	46.7 PK	74.0	-27.3	1.60 V	179	33.2	13.5
3	15780.00	33.9 AV	54.0	-20.1	1.60 V	179	20.4	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

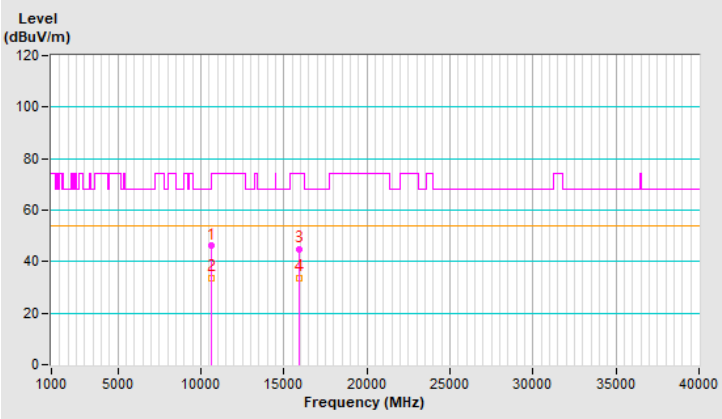


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	46.1 PK	74.0	-27.9	1.51 H	297	33.2	12.9
2	10600.00	33.7 AV	54.0	-20.3	1.51 H	297	20.8	12.9
3	15900.00	45.0 PK	74.0	-29.0	1.43 H	218	32.2	12.8
4	15900.00	33.4 AV	54.0	-20.6	1.43 H	218	20.6	12.8

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.

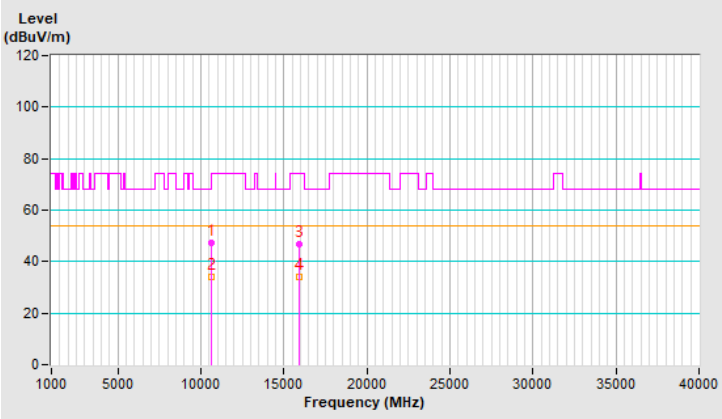


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	47.2 PK	74.0	-26.8	2.36 V	141	34.3	12.9
2	10600.00	34.2 AV	54.0	-19.8	2.36 V	141	21.3	12.9
3	15900.00	46.7 PK	74.0	-27.3	1.62 V	167	33.9	12.8
4	15900.00	33.9 AV	54.0	-20.1	1.62 V	167	21.1	12.8

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.

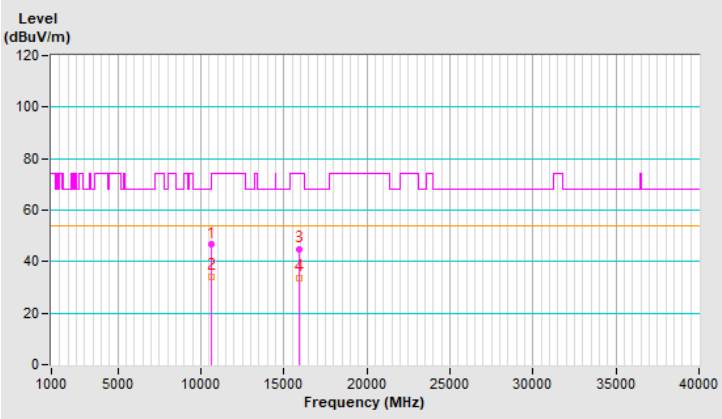


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	46.6 PK	74.0	-27.4	1.52 H	281	33.7	12.9
2	10640.00	33.9 AV	54.0	-20.1	1.52 H	281	21.0	12.9
3	15960.00	45.0 PK	74.0	-29.0	1.46 H	202	32.2	12.8
4	15960.00	33.4 AV	54.0	-20.6	1.46 H	202	20.6	12.8

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.

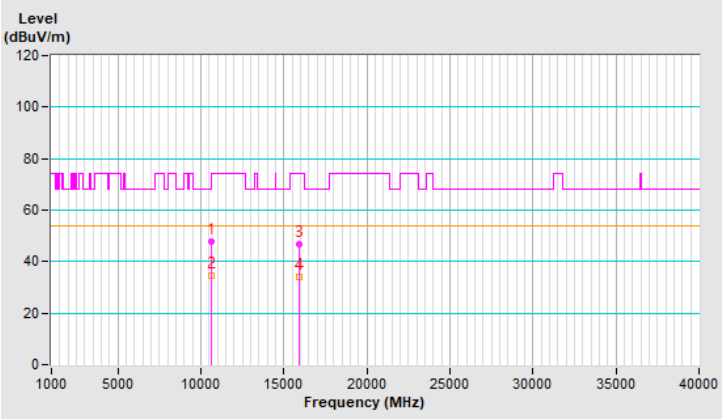


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	47.8 PK	74.0	-26.2	2.30 V	127	34.9	12.9
2	10640.00	34.7 AV	54.0	-19.3	2.30 V	127	21.8	12.9
3	15960.00	46.8 PK	74.0	-27.2	1.67 V	159	34.0	12.8
4	15960.00	34.3 AV	54.0	-19.7	1.67 V	159	21.5	12.8

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.

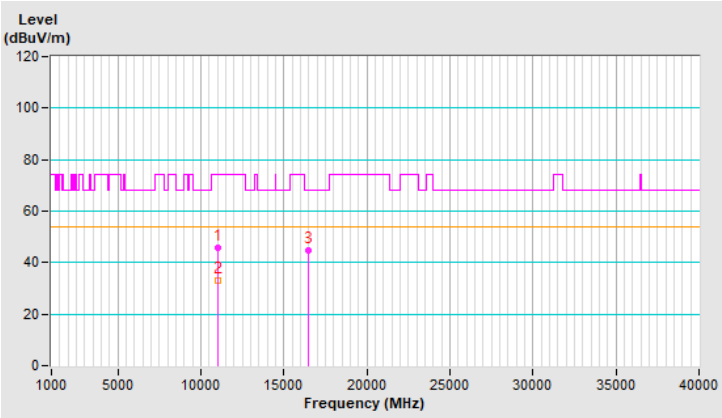


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	45.8 PK	74.0	-28.2	1.53 H	300	32.8	13.0
2	11000.00	33.3 AV	54.0	-20.7	1.53 H	300	20.3	13.0
3	#16500.00	44.9 PK	68.2	-23.3	1.38 H	217	30.3	14.6

REMARKS:

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

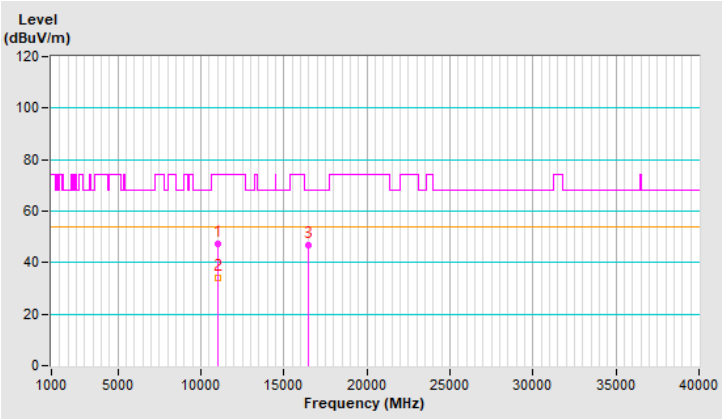


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	47.2 PK	74.0	-26.8	2.42 V	149	34.2	13.0
2	11000.00	34.2 AV	54.0	-19.8	2.42 V	149	21.2	13.0
3	#16500.00	46.7 PK	68.2	-21.5	1.63 V	157	32.1	14.6

REMARKS:

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

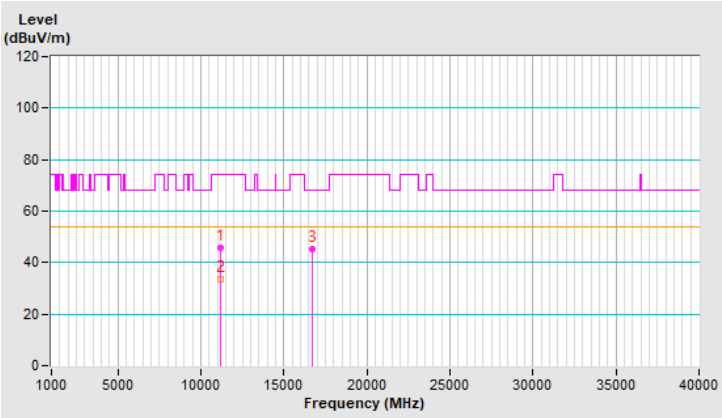


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11160.00	45.9 PK	74.0	-28.1	1.48 H	297	32.8	13.1
2	11160.00	33.4 AV	54.0	-20.6	1.48 H	297	20.3	13.1
3	#16740.00	45.1 PK	68.2	-23.1	1.43 H	221	28.9	16.2

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.
5. " # ": The radiated frequency is out of the restricted band.

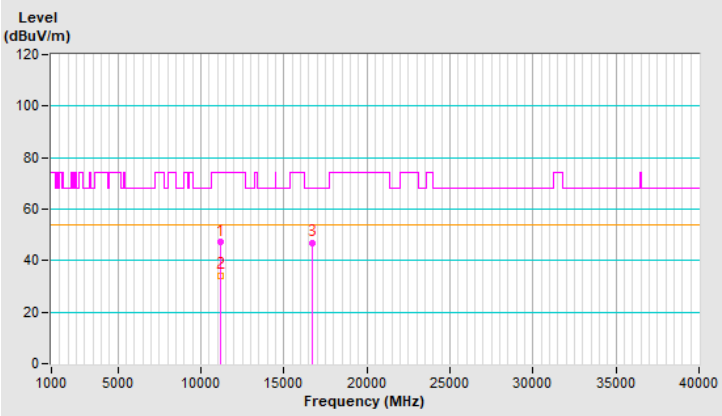


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11160.00	47.1 PK	74.0	-26.9	2.42 V	152	34.0	13.1
2	11160.00	34.3 AV	54.0	-19.7	2.42 V	152	21.2	13.1
3	#16740.00	47.0 PK	68.2	-21.2	1.65 V	154	30.8	16.2

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.
5. " # ": The radiated frequency is out of the restricted band.

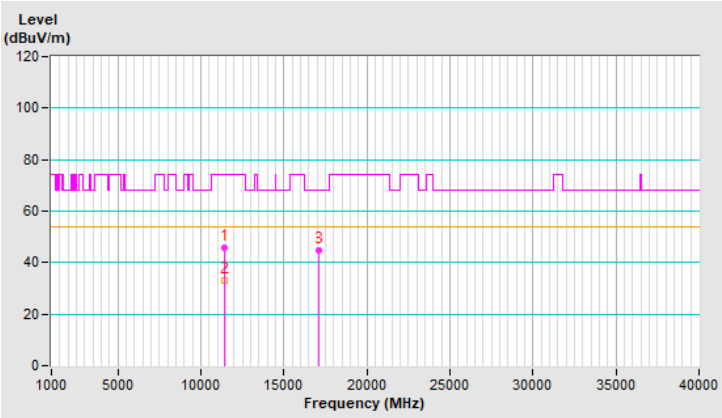


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	45.8 PK	74.0	-28.2	1.53 H	309	32.6	13.2
2	11400.00	33.3 AV	54.0	-20.7	1.53 H	309	20.1	13.2
3	#17100.00	45.0 PK	68.2	-23.2	1.44 H	223	27.8	17.2

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.
5. " # ": The radiated frequency is out of the restricted band.

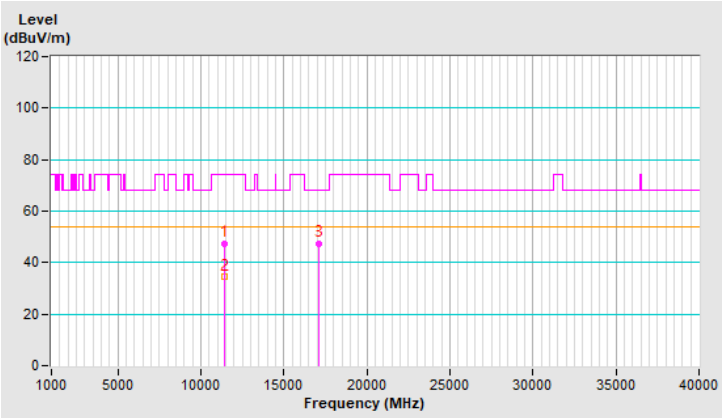


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	47.4 PK	74.0	-26.6	2.40 V	145	34.2	13.2
2	11400.00	34.4 AV	54.0	-19.6	2.40 V	145	21.2	13.2
3	#17100.00	47.2 PK	68.2	-21.0	1.65 V	177	30.0	17.2

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.
5. " # ": The radiated frequency is out of the restricted band.

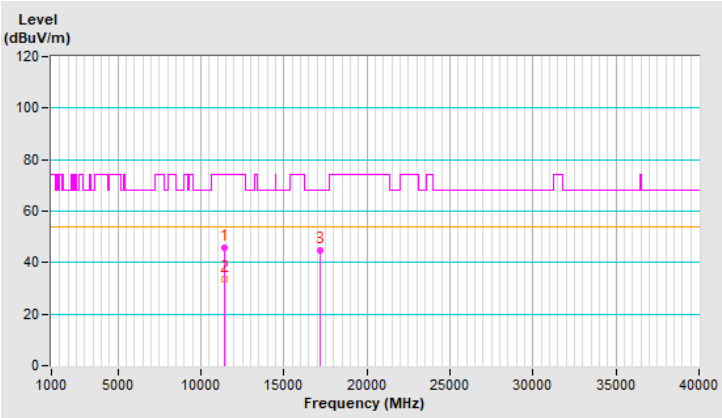


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11440.00	46.0 PK	74.0	-28.0	1.45 H	308	32.7	13.3
2	11440.00	33.6 AV	54.0	-20.4	1.45 H	308	20.3	13.3
3	#17160.00	44.7 PK	68.2	-23.5	1.43 H	215	27.3	17.4

REMARKS:

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

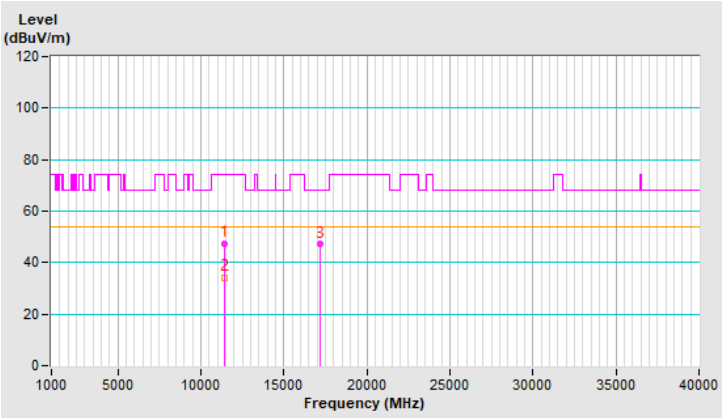


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11440.00	47.2 PK	74.0	-26.8	2.40 V	140	33.9	13.3
2	11440.00	34.0 AV	54.0	-20.0	2.40 V	140	20.7	13.3
3	#17160.00	47.1 PK	68.2	-21.1	1.59 V	181	29.7	17.4

REMARKS:

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

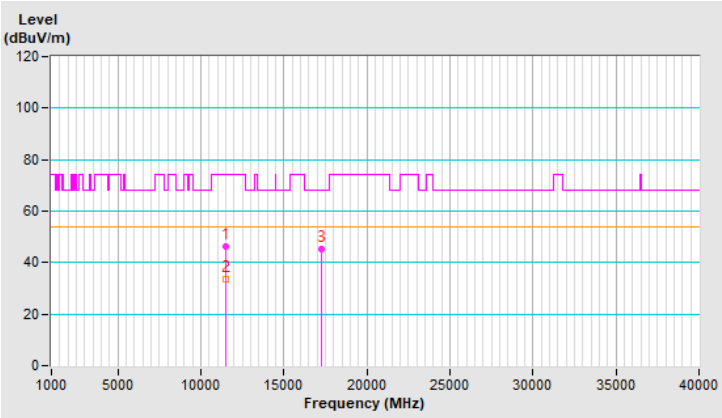


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	46.3 PK	74.0	-27.7	1.49 H	305	33.0	13.3
2	11490.00	33.6 AV	54.0	-20.4	1.49 H	305	20.3	13.3
3	#17235.00	45.3 PK	68.2	-22.9	1.39 H	205	27.7	17.6

REMARKS:

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

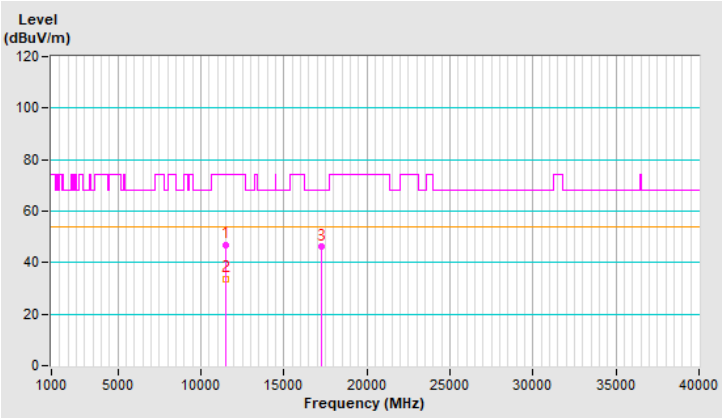


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	46.7 PK	74.0	-27.3	2.37 V	135	33.4	13.3
2	11490.00	33.7 AV	54.0	-20.3	2.37 V	135	20.4	13.3
3	#17235.00	46.1 PK	68.2	-22.1	1.63 V	157	28.5	17.6

REMARKS:

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

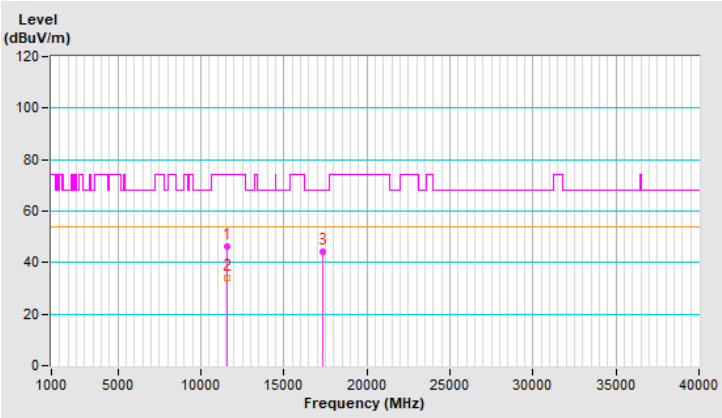


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	46.3 PK	74.0	-27.7	1.46 H	298	33.1	13.2
2	11570.00	33.9 AV	54.0	-20.1	1.46 H	298	20.7	13.2
3	#17355.00	44.4 PK	68.2	-23.8	1.38 H	203	26.8	17.6

REMARKS:

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

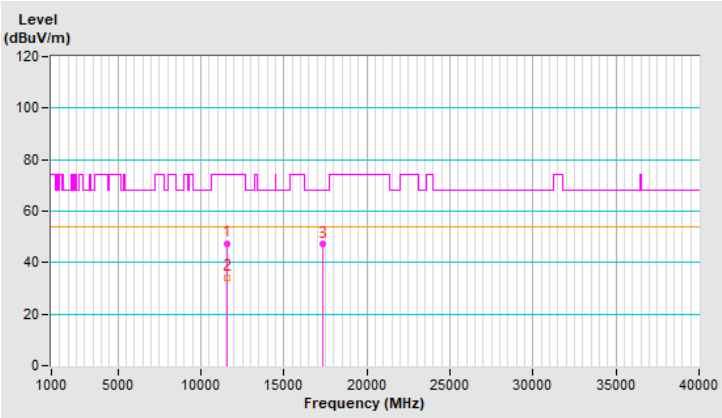


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	47.2 PK	74.0	-26.8	2.30 V	131	34.0	13.2
2	11570.00	34.2 AV	54.0	-19.8	2.30 V	131	21.0	13.2
3	#17355.00	47.1 PK	68.2	-21.1	1.63 V	179	29.5	17.6

REMARKS:

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

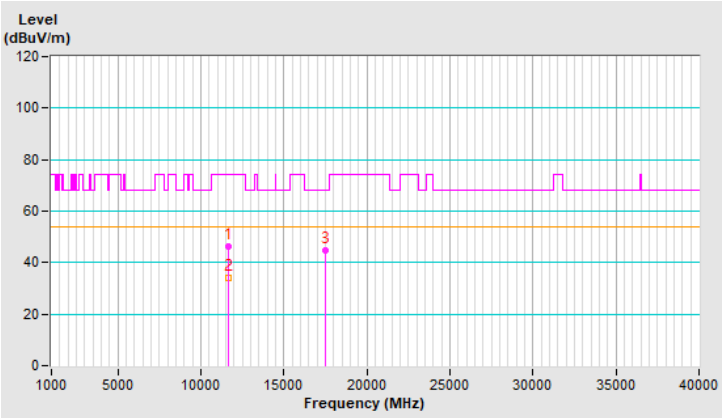


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	46.4 PK	74.0	-27.6	1.47 H	281	33.1	13.3
2	11650.00	34.0 AV	54.0	-20.0	1.47 H	281	20.7	13.3
3	#17475.00	44.9 PK	68.2	-23.3	1.48 H	227	27.0	17.9

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.
5. " # ": The radiated frequency is out of the restricted band.

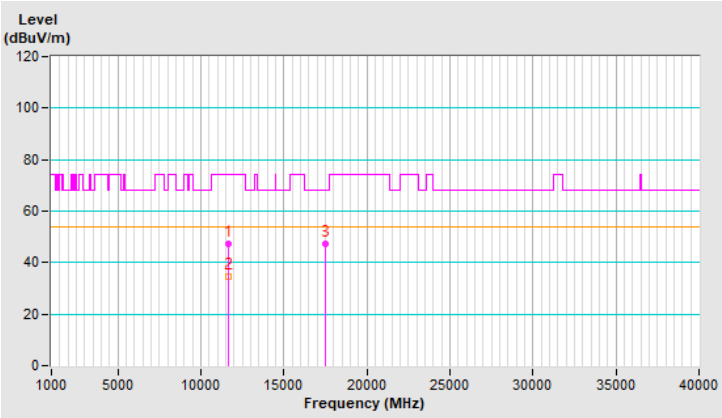


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	47.2 PK	74.0	-26.8	2.33 V	155	33.9	13.3
2	11650.00	34.5 AV	54.0	-19.5	2.33 V	155	21.2	13.3
3	#17475.00	47.2 PK	68.2	-21.0	1.63 V	155	29.3	17.9

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.
5. " # ": The radiated frequency is out of the restricted band.



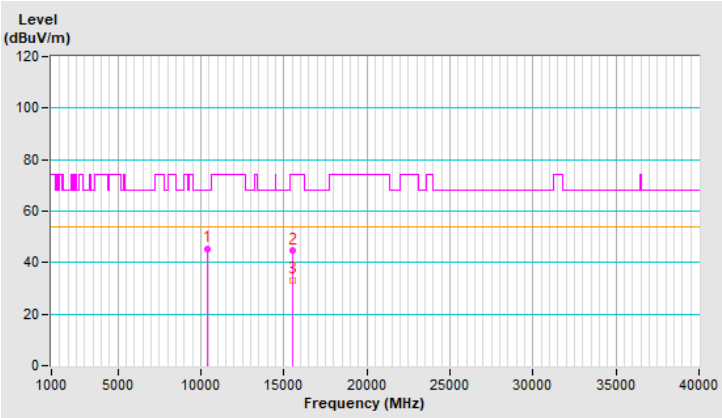
802.11ac (VHT20)

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10360.00	45.4 PK	68.2	-22.8	1.52 H	296	32.7	12.7
2	15540.00	44.5 PK	74.0	-29.5	1.47 H	208	31.3	13.2
3	15540.00	33.1 AV	54.0	-20.9	1.47 H	208	19.9	13.2

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.
5. " # ": The radiated frequency is out of the restricted band.

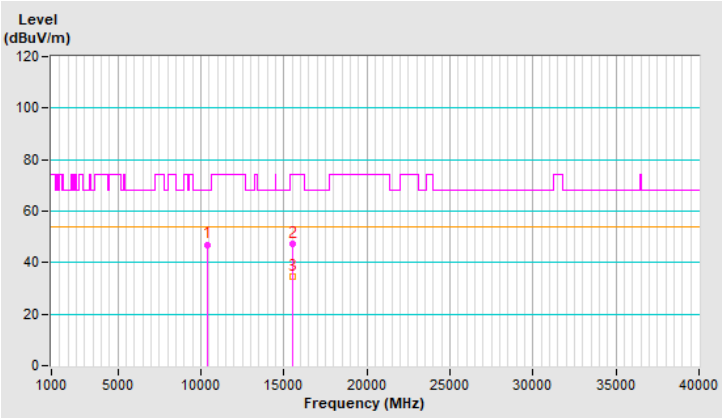


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10360.00	46.9 PK	68.2	-21.3	2.44 V	147	34.2	12.7
2	15540.00	47.1 PK	74.0	-26.9	1.66 V	147	33.9	13.2
3	15540.00	34.4 AV	54.0	-19.6	1.66 V	147	21.2	13.2

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.
5. " # ": The radiated frequency is out of the restricted band.

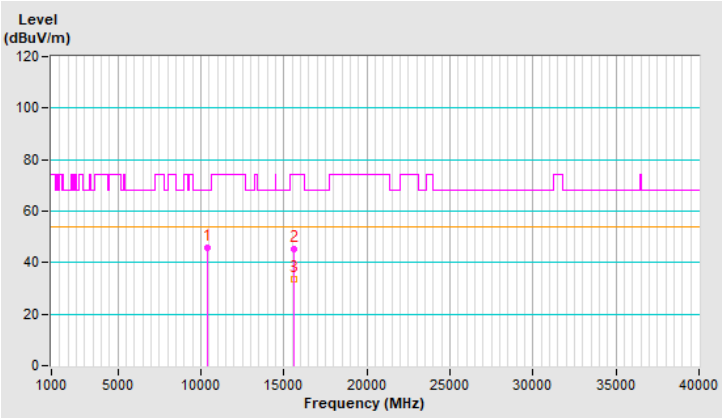


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	45.7 PK	68.2	-22.5	1.46 H	283	32.9	12.8
2	15600.00	45.2 PK	74.0	-28.8	1.40 H	222	31.7	13.5
3	15600.00	33.7 AV	54.0	-20.3	1.40 H	222	20.2	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

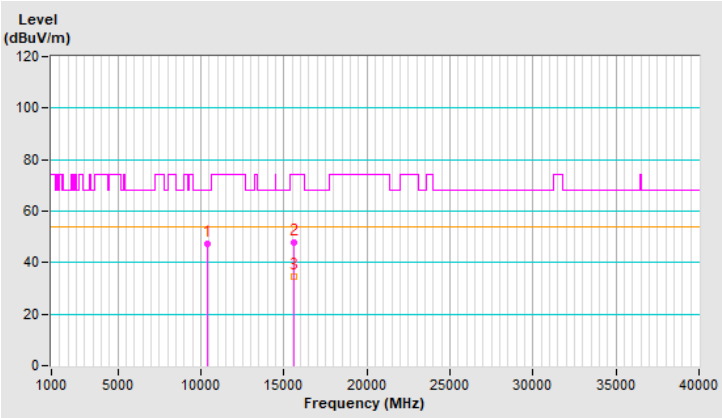


CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	47.2 PK	68.2	-21.0	2.42 V	140	34.4	12.8
2	15600.00	47.7 PK	74.0	-26.3	1.68 V	160	34.2	13.5
3	15600.00	34.6 AV	54.0	-19.4	1.68 V	160	21.1	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

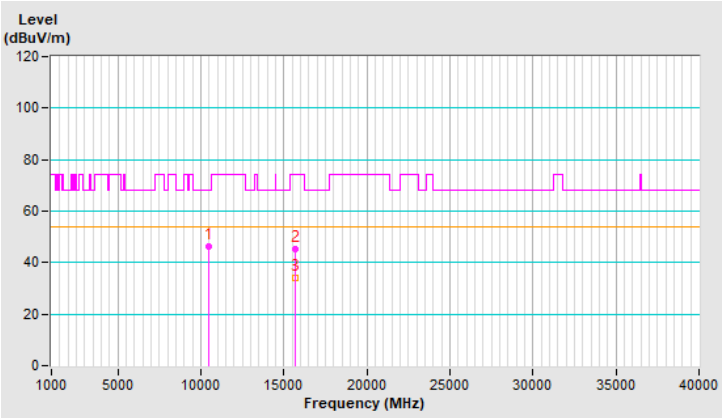


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	46.4 PK	68.2	-21.8	1.49 H	306	33.3	13.1
2	15720.00	45.5 PK	74.0	-28.5	1.49 H	220	31.7	13.8
3	15720.00	33.9 AV	54.0	-20.1	1.49 H	220	20.1	13.8

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.
5. " # ": The radiated frequency is out of the restricted band.

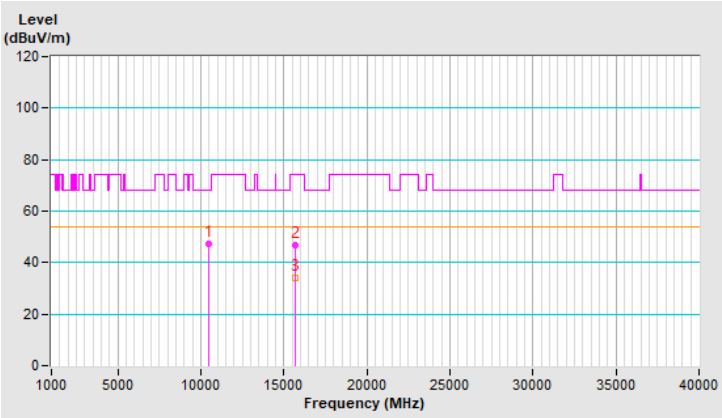


CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	47.2 PK	68.2	-21.0	2.37 V	138	34.1	13.1
2	15720.00	46.8 PK	74.0	-27.2	1.65 V	141	33.0	13.8
3	15720.00	34.2 AV	54.0	-19.8	1.65 V	141	20.4	13.8

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.
5. " # ": The radiated frequency is out of the restricted band.

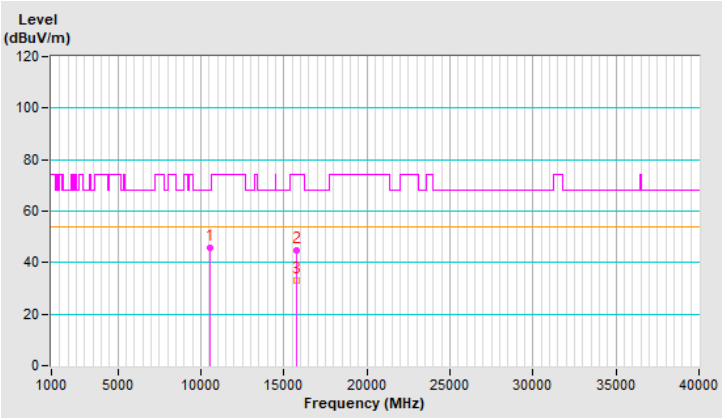


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	45.8 PK	68.2	-22.4	1.45 H	306	32.7	13.1
2	15780.00	44.8 PK	74.0	-29.2	1.47 H	221	31.3	13.5
3	15780.00	33.2 AV	54.0	-20.8	1.47 H	221	19.7	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

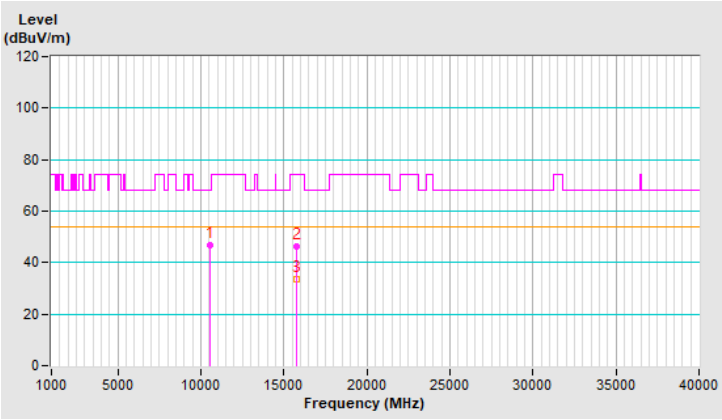


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	46.7 PK	68.2	-21.5	2.42 V	141	33.6	13.1
2	15780.00	46.5 PK	74.0	-27.5	1.68 V	157	33.0	13.5
3	15780.00	33.8 AV	54.0	-20.2	1.68 V	157	20.3	13.5

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.
5. " # ": The radiated frequency is out of the restricted band.

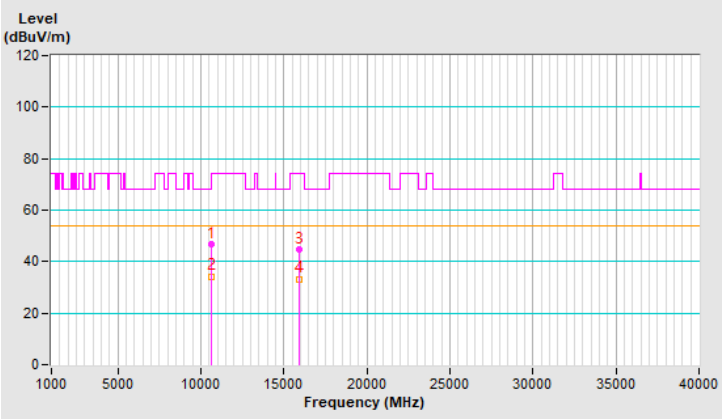


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	46.6 PK	74.0	-27.4	1.53 H	300	33.7	12.9
2	10600.00	34.1 AV	54.0	-19.9	1.53 H	300	21.2	12.9
3	15900.00	44.5 PK	74.0	-29.5	1.48 H	218	31.7	12.8
4	15900.00	33.1 AV	54.0	-20.9	1.48 H	218	20.3	12.8

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.

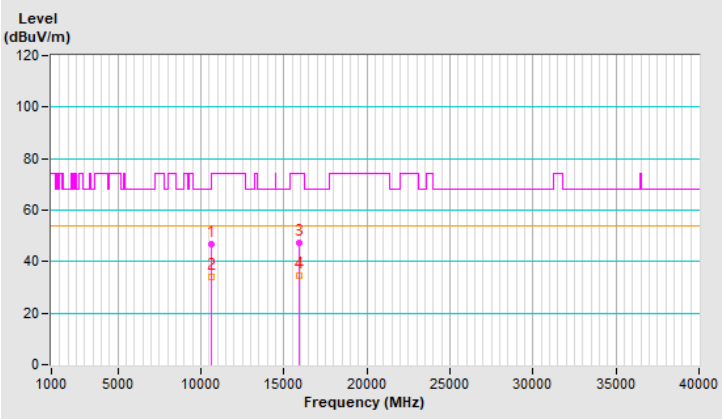


CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	47.0 PK	74.0	-27.0	2.37 V	155	34.1	12.9
2	10600.00	34.0 AV	54.0	-20.0	2.37 V	155	21.1	12.9
3	15900.00	47.2 PK	74.0	-26.8	1.69 V	151	34.4	12.8
4	15900.00	34.5 AV	54.0	-19.5	1.69 V	151	21.7	12.8

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.

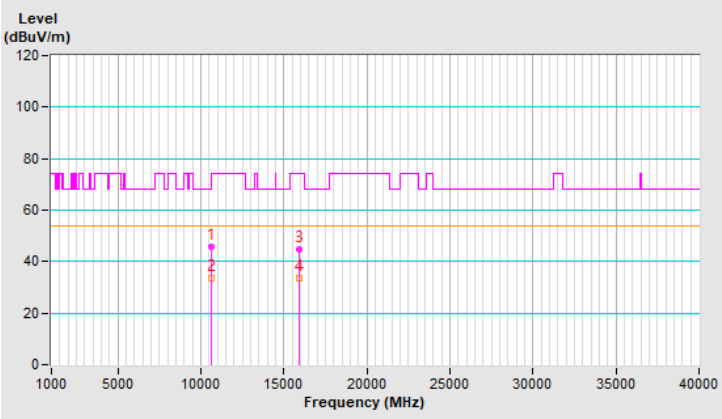


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	45.7 PK	74.0	-28.3	1.48 H	288	32.8	12.9
2	10640.00	33.4 AV	54.0	-20.6	1.48 H	288	20.5	12.9
3	15960.00	44.7 PK	74.0	-29.3	1.44 H	228	31.9	12.8
4	15960.00	33.4 AV	54.0	-20.6	1.44 H	228	20.6	12.8

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.

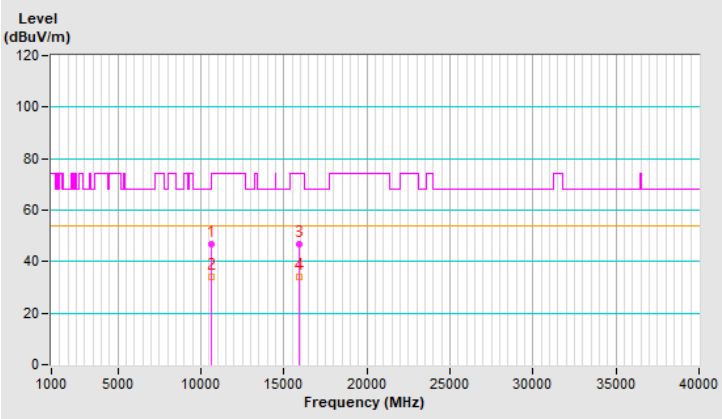


CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	46.7 PK	74.0	-27.3	2.42 V	147	33.8	12.9
2	10640.00	34.2 AV	54.0	-19.8	2.42 V	147	21.3	12.9
3	15960.00	46.8 PK	74.0	-27.2	1.60 V	141	34.0	12.8
4	15960.00	34.0 AV	54.0	-20.0	1.60 V	141	21.2	12.8

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.

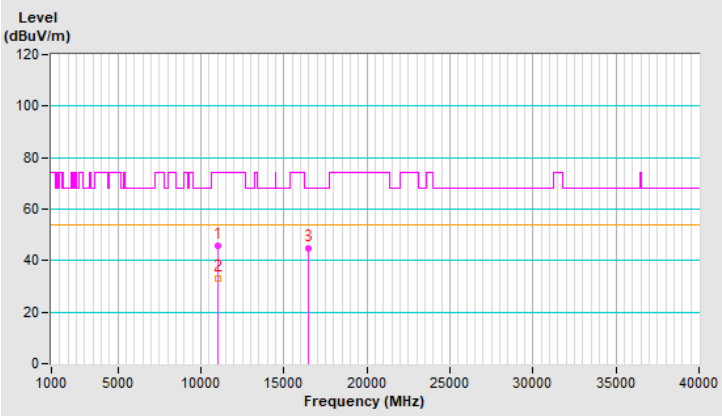


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	45.9 PK	74.0	-28.1	1.48 H	283	32.9	13.0
2	11000.00	33.2 AV	54.0	-20.8	1.48 H	283	20.2	13.0
3	#16500.00	44.6 PK	68.2	-23.6	1.40 H	217	30.0	14.6

REMARKS:

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

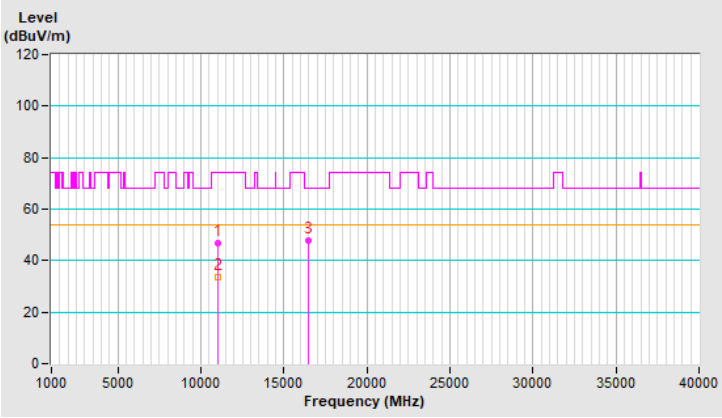


CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	46.8 PK	74.0	-27.2	2.43 V	140	33.8	13.0
2	11000.00	33.8 AV	54.0	-20.2	2.43 V	140	20.8	13.0
3	#16500.00	47.7 PK	68.2	-20.5	1.69 V	166	33.1	14.6

REMARKS:

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

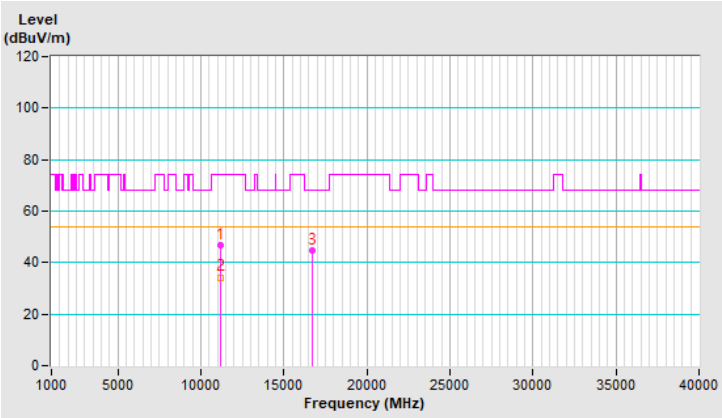


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11160.00	46.6 PK	74.0	-27.4	1.47 H	299	33.5	13.1
2	11160.00	33.9 AV	54.0	-20.1	1.47 H	299	20.8	13.1
3	#16740.00	44.5 PK	68.2	-23.7	1.48 H	215	28.3	16.2

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.
5. " # ": The radiated frequency is out of the restricted band.

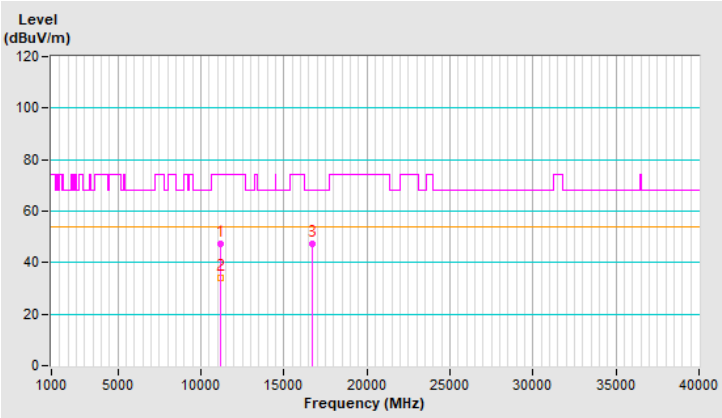


CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11160.00	47.2 PK	74.0	-26.8	2.41 V	150	34.1	13.1
2	11160.00	34.3 AV	54.0	-19.7	2.41 V	150	21.2	13.1
3	#16740.00	47.3 PK	68.2	-20.9	1.60 V	155	31.1	16.2

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.
5. " # ": The radiated frequency is out of the restricted band.

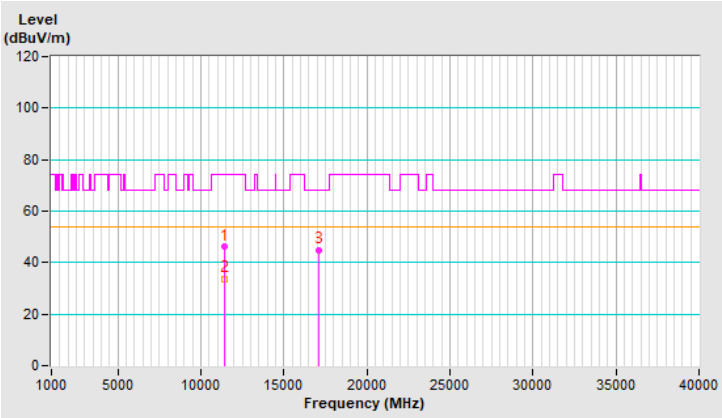


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	46.1 PK	74.0	-27.9	1.52 H	306	32.9	13.2
2	11400.00	33.7 AV	54.0	-20.3	1.52 H	306	20.5	13.2
3	#17100.00	44.8 PK	68.2	-23.4	1.40 H	225	27.6	17.2

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.
5. " # ": The radiated frequency is out of the restricted band.

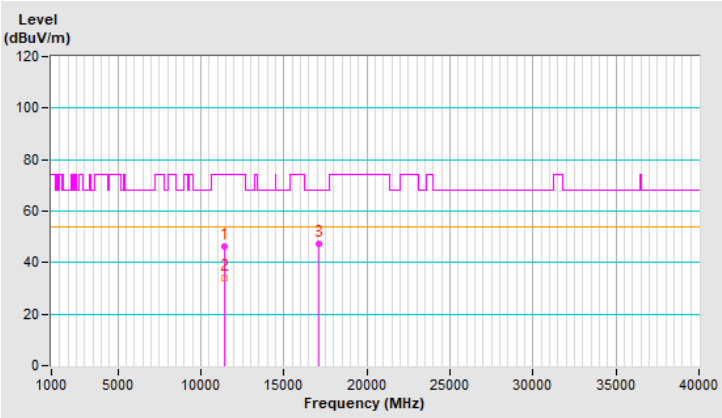


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	46.5 PK	74.0	-27.5	2.44 V	150	33.3	13.2
2	11400.00	33.9 AV	54.0	-20.1	2.44 V	150	20.7	13.2
3	#17100.00	47.5 PK	68.2	-20.7	1.61 V	148	30.3	17.2

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.
5. " # ": The radiated frequency is out of the restricted band.

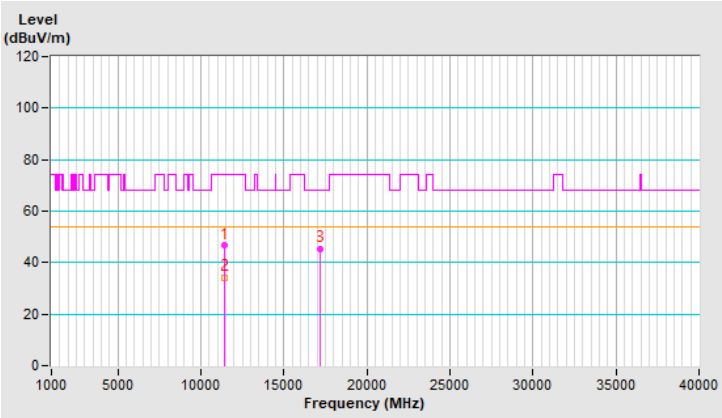


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11440.00	46.6 PK	74.0	-27.4	1.51 H	295	33.3	13.3
2	11440.00	34.2 AV	54.0	-19.8	1.51 H	295	20.9	13.3
3	#17160.00	45.3 PK	68.2	-22.9	1.48 H	231	27.9	17.4

REMARKS:

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

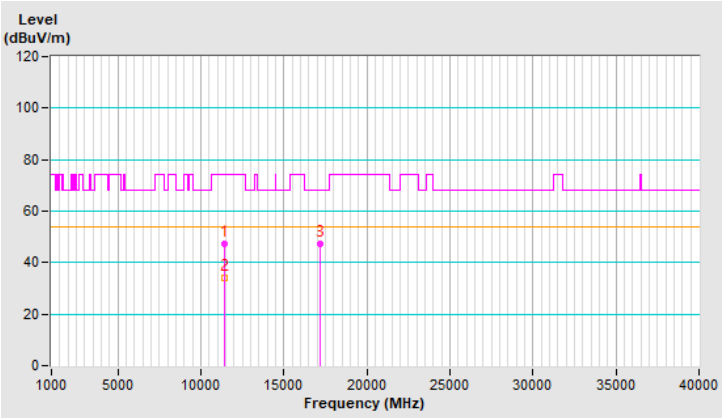


CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11440.00	47.4 PK	74.0	-26.6	2.40 V	168	34.1	13.3
2	11440.00	34.3 AV	54.0	-19.7	2.40 V	168	21.0	13.3
3	#17160.00	47.5 PK	68.2	-20.7	1.62 V	148	30.1	17.4

REMARKS:

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

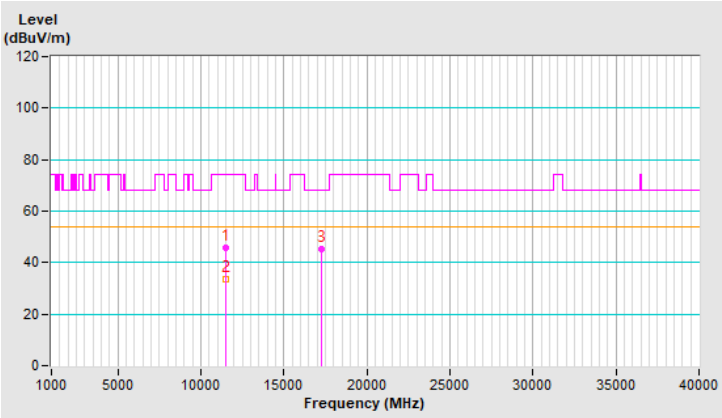


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	45.7 PK	74.0	-28.3	1.55 H	302	32.4	13.3
2	11490.00	33.4 AV	54.0	-20.6	1.55 H	302	20.1	13.3
3	#17235.00	45.2 PK	68.2	-23.0	1.43 H	224	27.6	17.6

REMARKS:

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

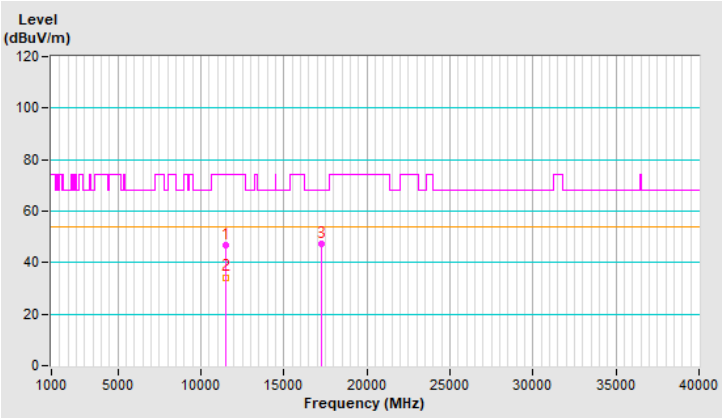


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11490.00	46.6 PK	74.0	-27.4	2.43 V	163	33.3	13.3
2	11490.00	34.0 AV	54.0	-20.0	2.43 V	163	20.7	13.3
3	#17235.00	47.1 PK	68.2	-21.1	1.64 V	141	29.5	17.6

REMARKS:

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

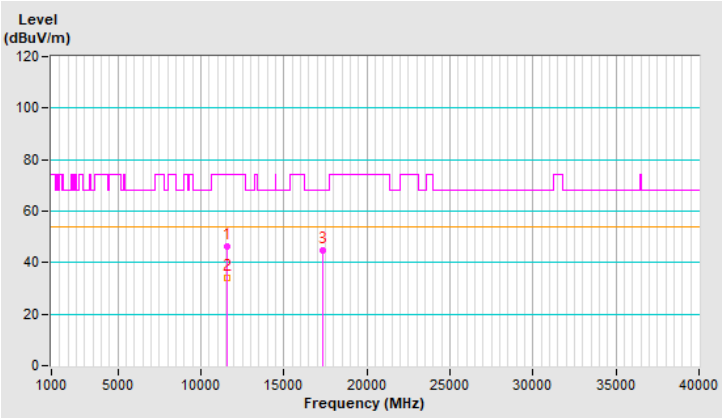


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	46.4 PK	74.0	-27.6	1.51 H	294	33.2	13.2
2	11570.00	34.1 AV	54.0	-19.9	1.51 H	294	20.9	13.2
3	#17355.00	44.6 PK	68.2	-23.6	1.40 H	227	27.0	17.6

REMARKS:

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

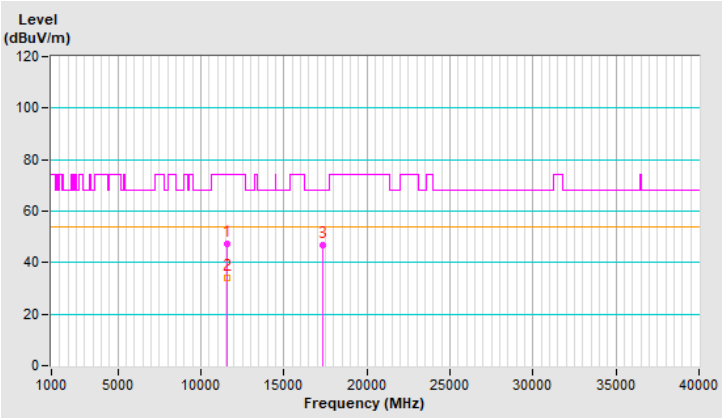


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11570.00	47.3 PK	74.0	-26.7	2.40 V	137	34.1	13.2
2	11570.00	34.2 AV	54.0	-19.8	2.40 V	137	21.0	13.2
3	#17355.00	46.9 PK	68.2	-21.3	1.61 V	170	29.3	17.6

REMARKS:

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

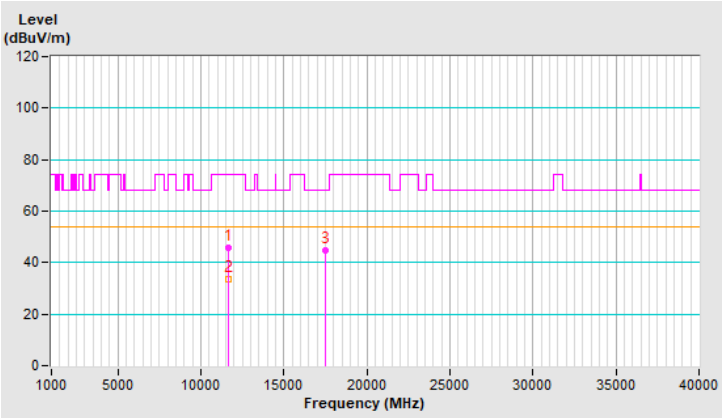


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	45.8 PK	74.0	-28.2	1.53 H	311	32.5	13.3
2	11650.00	33.6 AV	54.0	-20.4	1.53 H	311	20.3	13.3
3	#17475.00	44.7 PK	68.2	-23.5	1.49 H	218	26.8	17.9

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.
5. " # ": The radiated frequency is out of the restricted band.

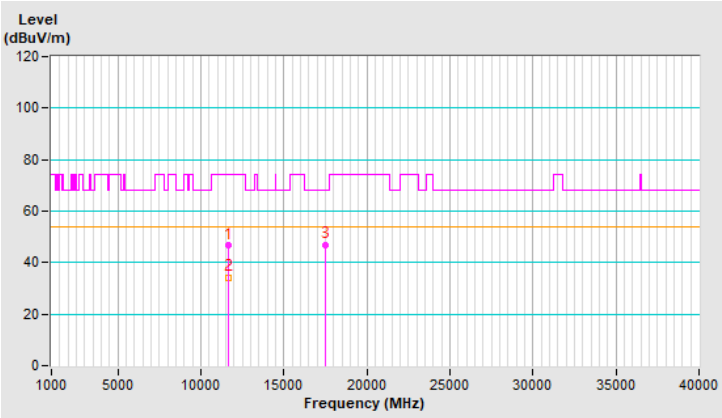


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11650.00	46.6 PK	74.0	-27.4	2.38 V	155	33.3	13.3
2	11650.00	34.0 AV	54.0	-20.0	2.38 V	155	20.7	13.3
3	#17475.00	47.0 PK	68.2	-21.2	1.60 V	147	29.1	17.9

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.
5. " # ": The radiated frequency is out of the restricted band.



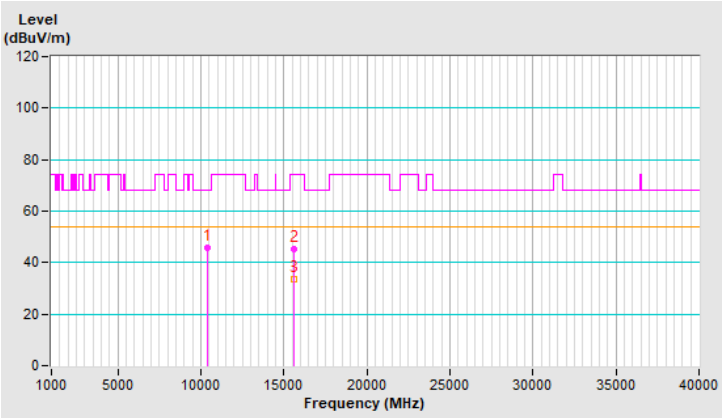
802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10380.00	45.8 PK	68.2	-22.4	1.55 H	285	33.1	12.7
2	15570.00	45.3 PK	74.0	-28.7	1.38 H	223	31.9	13.4
3	15570.00	33.5 AV	54.0	-20.5	1.38 H	223	20.1	13.4

REMARKS:

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

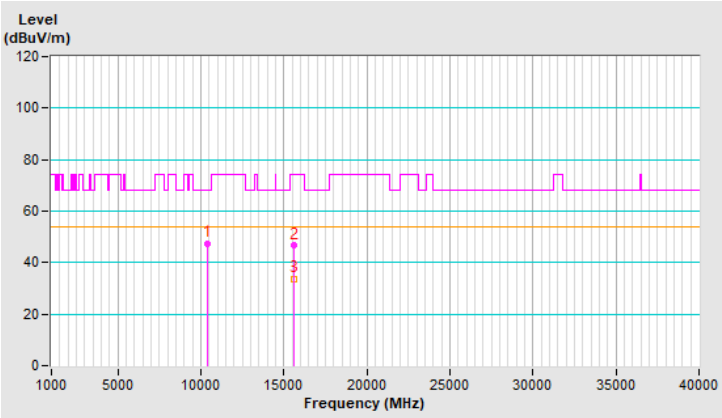


CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10380.00	47.5 PK	68.2	-20.7	2.48 V	161	34.8	12.7
2	15570.00	46.6 PK	74.0	-27.4	1.61 V	165	33.2	13.4
3	15570.00	33.7 AV	54.0	-20.3	1.61 V	165	20.3	13.4

REMARKS:

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

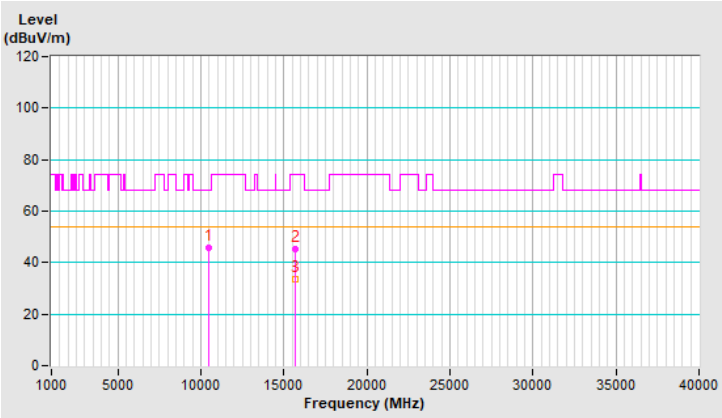


CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10460.00	45.6 PK	68.2	-22.6	1.47 H	310	32.6	13.0
2	15690.00	45.3 PK	74.0	-28.7	1.41 H	207	31.4	13.9
3	15690.00	33.6 AV	54.0	-20.4	1.41 H	207	19.7	13.9

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.
5. " # ": The radiated frequency is out of the restricted band.

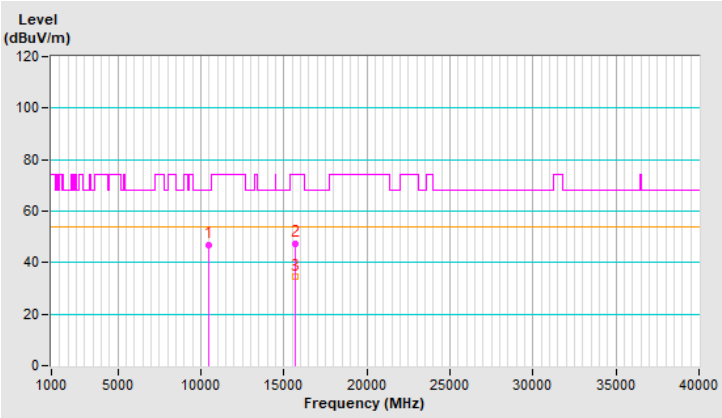


CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10460.00	47.0 PK	68.2	-21.2	2.47 V	162	34.0	13.0
2	15690.00	47.4 PK	74.0	-26.6	1.70 V	139	33.5	13.9
3	15690.00	34.4 AV	54.0	-19.6	1.70 V	139	20.5	13.9

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.
5. " # ": The radiated frequency is out of the restricted band.

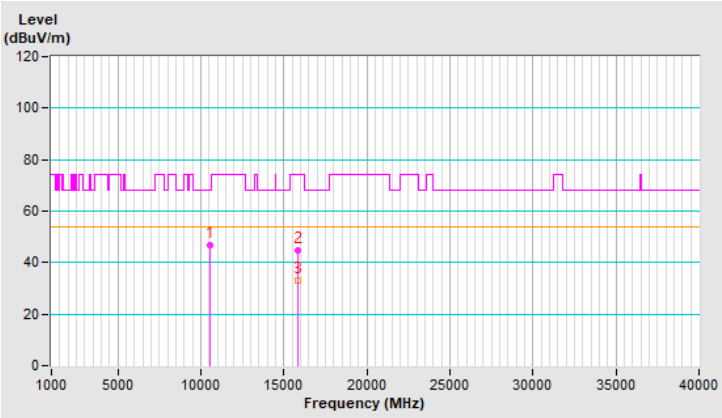


CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10540.00	46.8 PK	68.2	-21.4	1.55 H	285	33.8	13.0
2	15810.00	44.9 PK	74.0	-29.1	1.47 H	233	31.7	13.2
3	15810.00	33.1 AV	54.0	-20.9	1.47 H	233	19.9	13.2

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.
5. " # ": The radiated frequency is out of the restricted band.

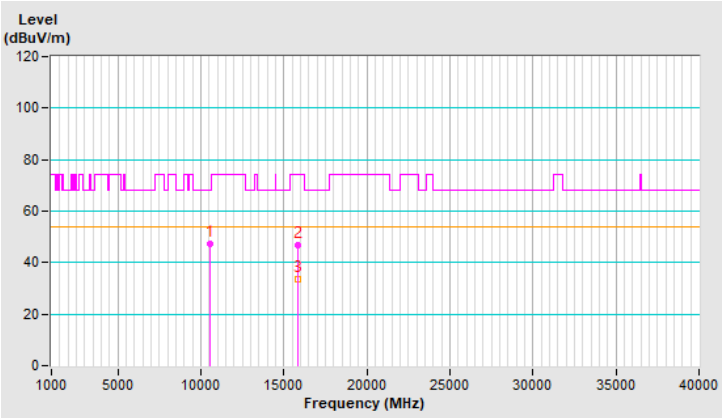


CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10540.00	47.4 PK	68.2	-20.8	2.37 V	162	34.4	13.0
2	15810.00	46.8 PK	74.0	-27.2	1.68 V	145	33.6	13.2
3	15810.00	33.7 AV	54.0	-20.3	1.68 V	145	20.5	13.2

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.
5. " # ": The radiated frequency is out of the restricted band.

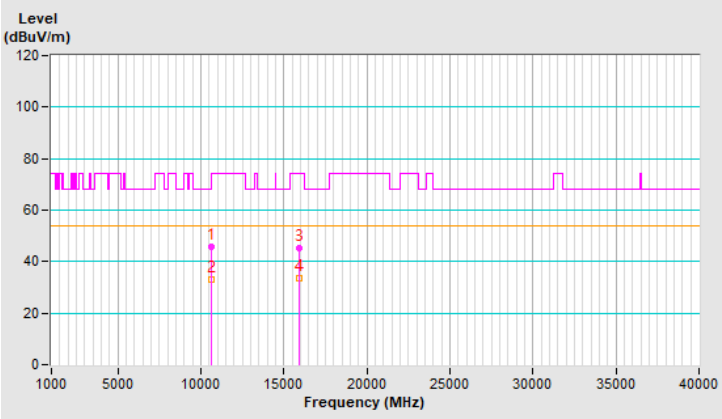


CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10620.00	45.7 PK	74.0	-28.3	1.47 H	299	32.8	12.9
2	10620.00	33.3 AV	54.0	-20.7	1.47 H	299	20.4	12.9
3	15930.00	45.5 PK	74.0	-28.5	1.46 H	222	32.7	12.8
4	15930.00	33.8 AV	54.0	-20.2	1.46 H	222	21.0	12.8

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.

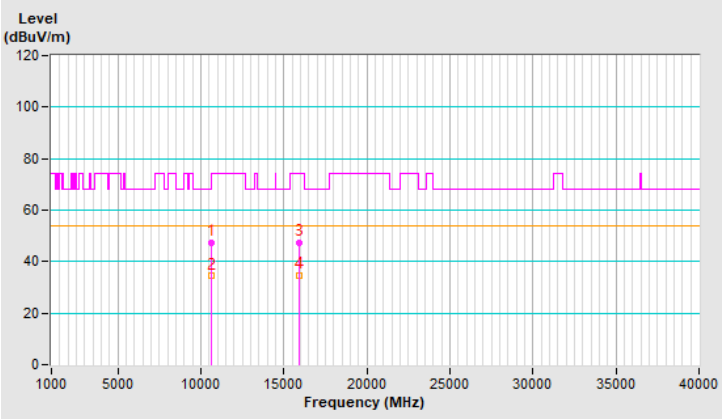


CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10620.00	47.2 PK	74.0	-26.8	2.45 V	140	34.3	12.9
2	10620.00	34.4 AV	54.0	-19.6	2.45 V	140	21.5	12.9
3	15930.00	47.2 PK	74.0	-26.8	1.68 V	141	34.4	12.8
4	15930.00	34.5 AV	54.0	-19.5	1.68 V	141	21.7	12.8

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.

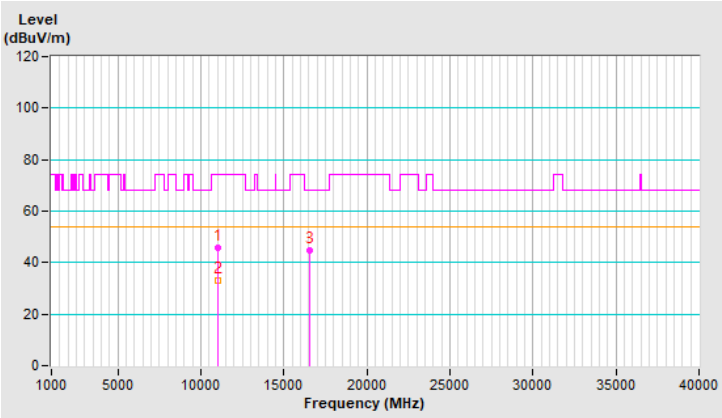


CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11020.00	45.7 PK	74.0	-28.3	1.49 H	291	32.7	13.0
2	11020.00	33.3 AV	54.0	-20.7	1.49 H	291	20.3	13.0
3	#16530.00	45.0 PK	68.2	-23.2	1.48 H	203	30.3	14.7

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.
5. " # ": The radiated frequency is out of the restricted band.

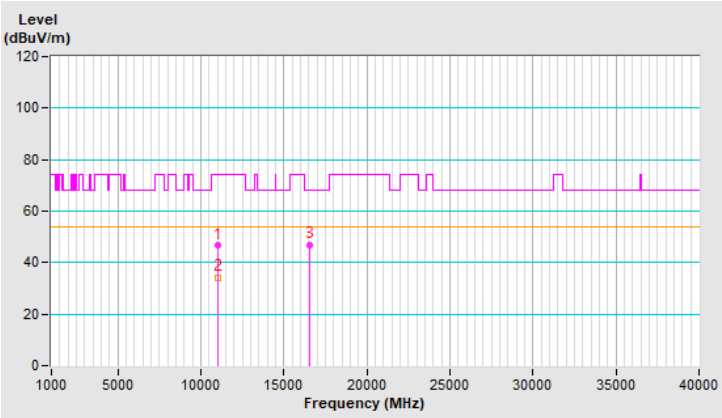


CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11020.00	46.6 PK	74.0	-27.4	2.39 V	153	33.6	13.0
2	11020.00	34.0 AV	54.0	-20.0	2.39 V	153	21.0	13.0
3	#16530.00	46.8 PK	68.2	-21.4	1.65 V	159	32.1	14.7

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.
5. " # ": The radiated frequency is out of the restricted band.

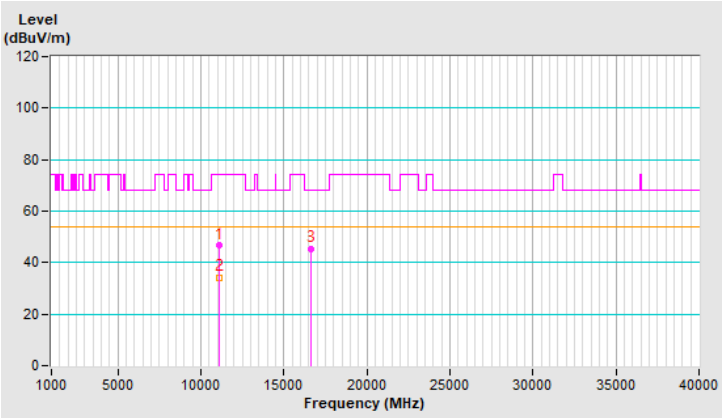


CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11100.00	46.6 PK	74.0	-27.4	1.56 H	311	33.6	13.0
2	11100.00	34.0 AV	54.0	-20.0	1.56 H	311	21.0	13.0
3	#16650.00	45.4 PK	68.2	-22.8	1.45 H	233	29.7	15.7

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.
5. " # ": The radiated frequency is out of the restricted band.

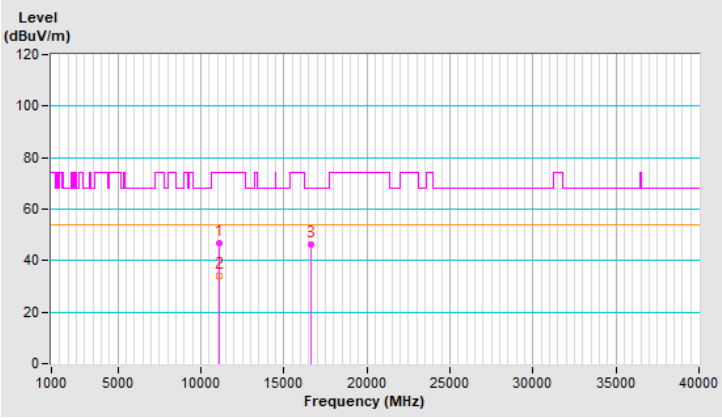


CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11100.00	47.0 PK	74.0	-27.0	2.47 V	150	34.0	13.0
2	11100.00	34.0 AV	54.0	-20.0	2.47 V	150	21.0	13.0
3	#16650.00	46.2 PK	68.2	-22.0	1.71 V	140	30.5	15.7

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.
5. " # ": The radiated frequency is out of the restricted band.

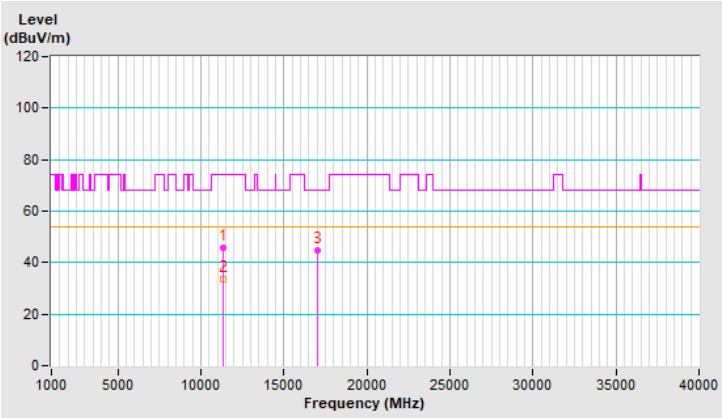


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11340.00	45.9 PK	74.0	-28.1	1.54 H	291	32.7	13.2
2	11340.00	33.8 AV	54.0	-20.2	1.54 H	291	20.6	13.2
3	#17010.00	44.9 PK	68.2	-23.3	1.48 H	211	27.9	17.0

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.
5. " # ": The radiated frequency is out of the restricted band.

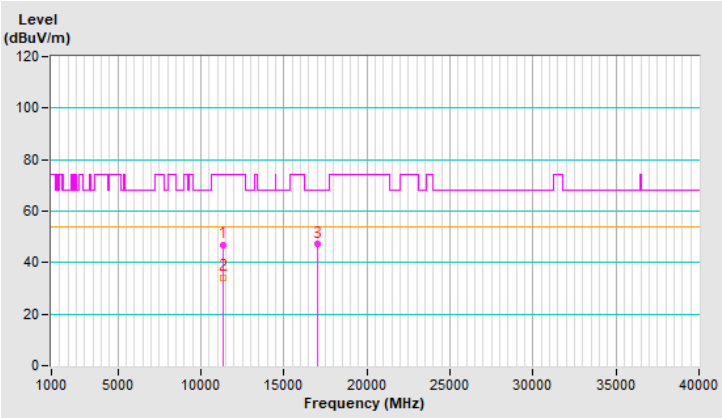


CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11340.00	46.7 PK	74.0	-27.3	2.44 V	154	33.5	13.2
2	11340.00	34.0 AV	54.0	-20.0	2.44 V	154	20.8	13.2
3	#17010.00	47.1 PK	68.2	-21.1	1.70 V	158	30.1	17.0

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.
5. " # ": The radiated frequency is out of the restricted band.

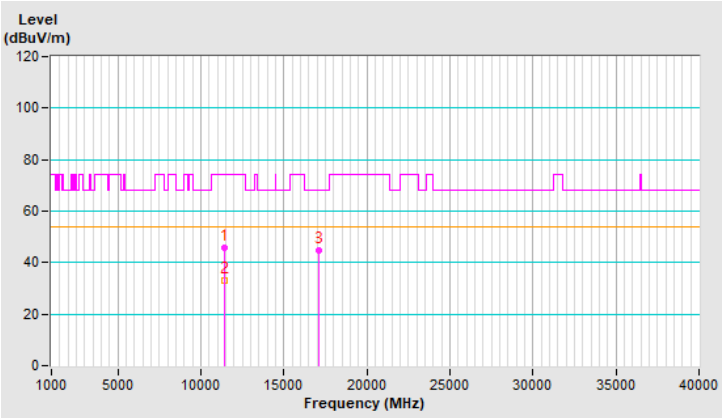


CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11420.00	45.8 PK	74.0	-28.2	1.46 H	304	32.6	13.2
2	11420.00	33.2 AV	54.0	-20.8	1.46 H	304	20.0	13.2
3	#17130.00	44.9 PK	68.2	-23.3	1.43 H	233	27.7	17.2

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.
5. " # ": The radiated frequency is out of the restricted band.

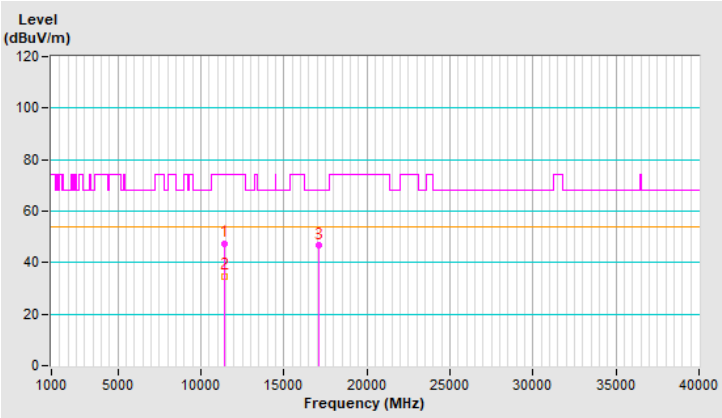


CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11420.00	47.3 PK	74.0	-26.7	2.46 V	148	34.1	13.2
2	11420.00	34.7 AV	54.0	-19.3	2.46 V	148	21.5	13.2
3	#17130.00	46.6 PK	68.2	-21.6	1.67 V	149	29.4	17.2

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.
5. " # ": The radiated frequency is out of the restricted band.

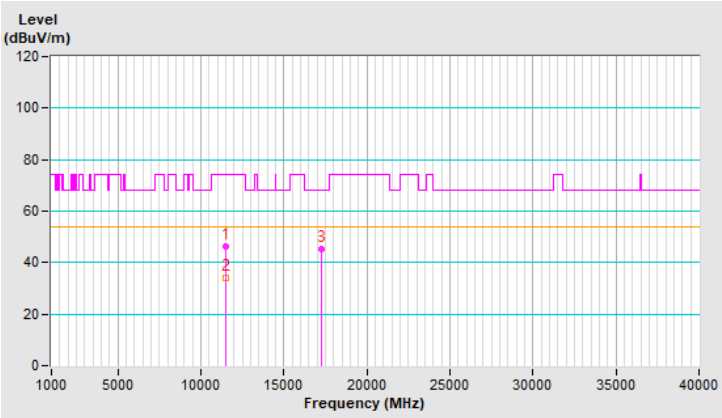


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11510.00	46.5 PK	74.0	-27.5	1.51 H	303	33.2	13.3
2	11510.00	34.1 AV	54.0	-19.9	1.51 H	303	20.8	13.3
3	#17265.00	45.1 PK	68.2	-23.1	1.42 H	229	27.6	17.5

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.
5. " # ": The radiated frequency is out of the restricted band.

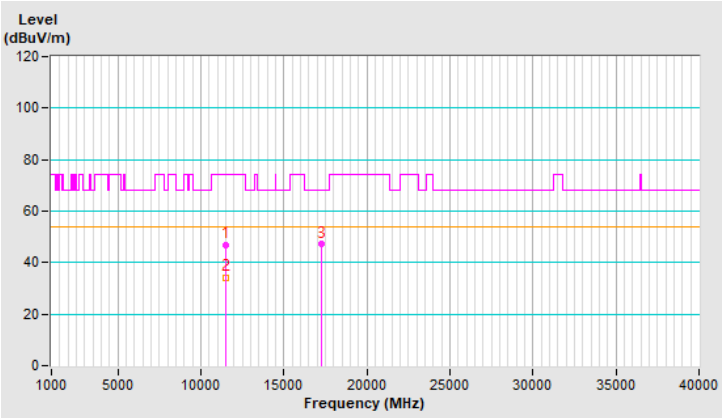


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11510.00	46.7 PK	74.0	-27.3	2.39 V	147	33.4	13.3
2	11510.00	34.0 AV	54.0	-20.0	2.39 V	147	20.7	13.3
3	#17265.00	47.1 PK	68.2	-21.1	1.69 V	154	29.6	17.5

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.
5. " # ": The radiated frequency is out of the restricted band.

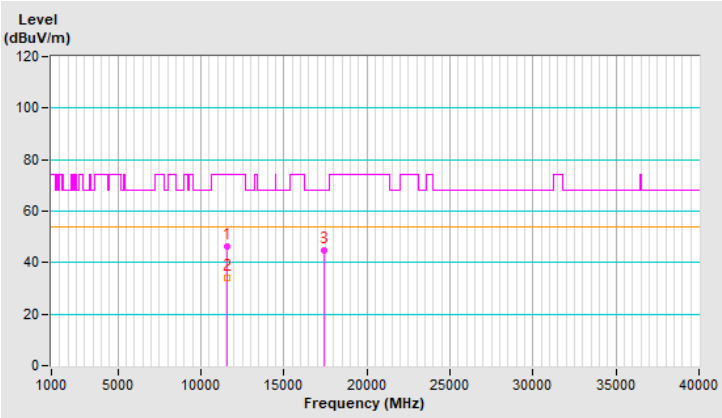


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11590.00	46.5 PK	74.0	-27.5	1.51 H	305	33.2	13.3
2	11590.00	34.2 AV	54.0	-19.8	1.51 H	305	20.9	13.3
3	#17385.00	44.7 PK	68.2	-23.5	1.39 H	216	27.0	17.7

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.
5. " # ": The radiated frequency is out of the restricted band.

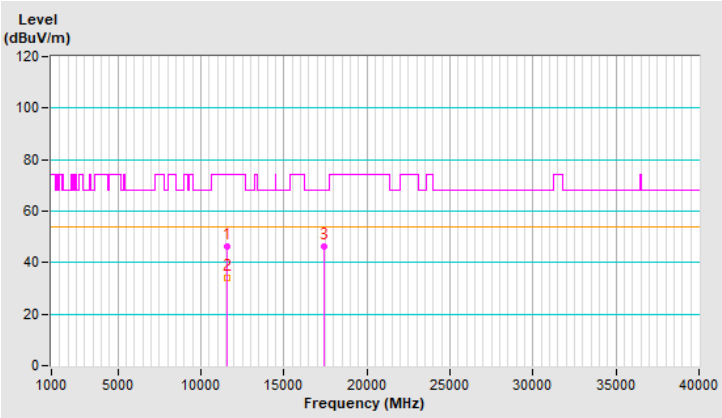


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11590.00	46.5 PK	74.0	-27.5	2.43 V	156	33.2	13.3
2	11590.00	33.9 AV	54.0	-20.1	2.43 V	156	20.6	13.3
3	#17385.00	46.4 PK	68.2	-21.8	1.64 V	156	28.7	17.7

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.
5. " # ": The radiated frequency is out of the restricted band.



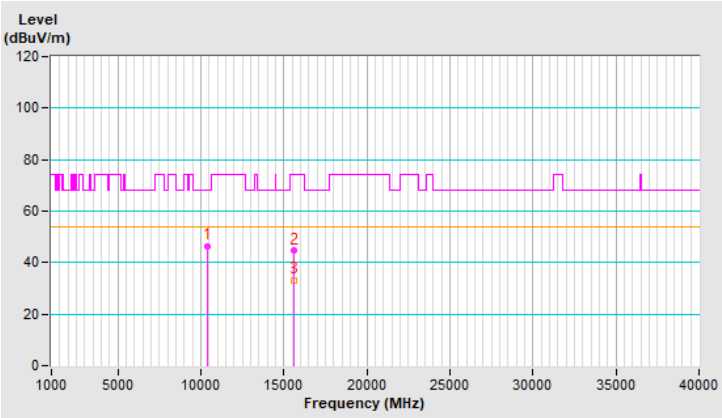
802.11ac (VHT80)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10420.00	46.2 PK	68.2	-22.0	1.56 H	290	33.4	12.8
2	15630.00	44.5 PK	74.0	-29.5	1.37 H	213	30.8	13.7
3	15630.00	33.0 AV	54.0	-21.0	1.37 H	213	19.3	13.7

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.
5. " # ": The radiated frequency is out of the restricted band.

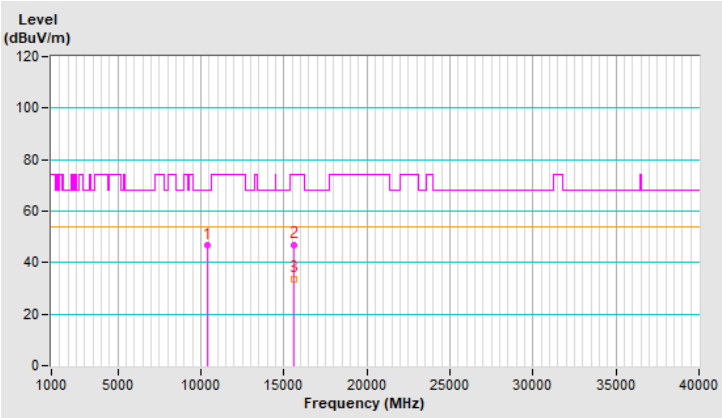


CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10420.00	46.6 PK	68.2	-21.6	2.38 V	160	33.8	12.8
2	15630.00	46.7 PK	74.0	-27.3	1.62 V	138	33.0	13.7
3	15630.00	33.8 AV	54.0	-20.2	1.62 V	138	20.1	13.7

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.
5. " # ": The radiated frequency is out of the restricted band.

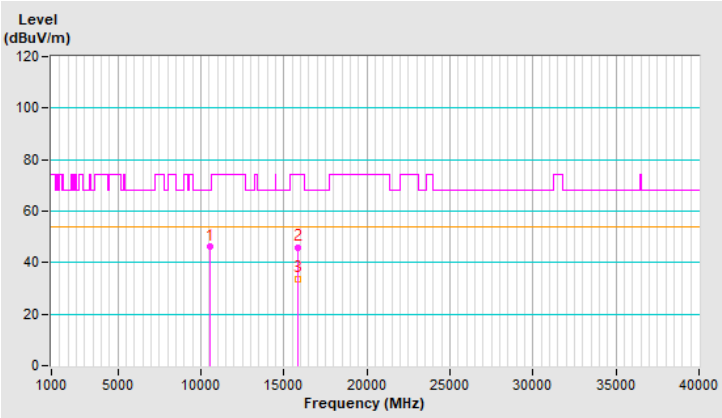


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10580.00	46.1 PK	68.2	-22.1	1.53 H	305	33.2	12.9
2	15870.00	45.7 PK	74.0	-28.3	1.41 H	209	32.8	12.9
3	15870.00	33.8 AV	54.0	-20.2	1.41 H	209	20.9	12.9

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.
5. " # ": The radiated frequency is out of the restricted band.

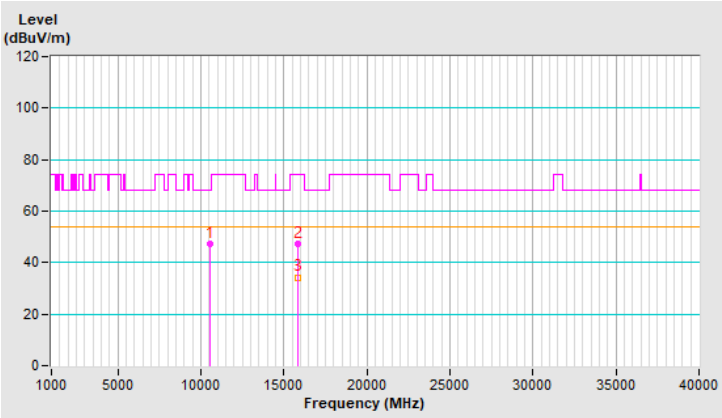


CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10580.00	47.1 PK	68.2	-21.1	2.47 V	151	34.2	12.9
2	15870.00	47.1 PK	74.0	-26.9	1.63 V	144	34.2	12.9
3	15870.00	34.0 AV	54.0	-20.0	1.63 V	144	21.1	12.9

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.
5. " # ": The radiated frequency is out of the restricted band.

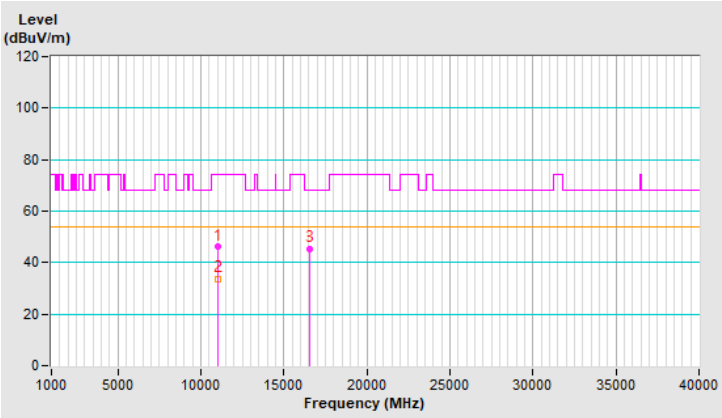


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11060.00	46.1 PK	74.0	-27.9	1.54 H	285	33.2	12.9
2	11060.00	33.4 AV	54.0	-20.6	1.54 H	285	20.5	12.9
3	#16590.00	45.4 PK	68.2	-22.8	1.38 H	226	30.5	14.9

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.
5. " # ": The radiated frequency is out of the restricted band.

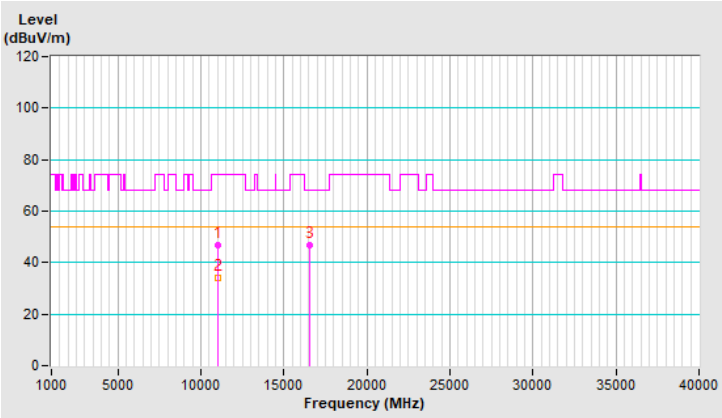


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11060.00	46.9 PK	74.0	-27.1	2.42 V	144	34.0	12.9
2	11060.00	33.9 AV	54.0	-20.1	2.42 V	144	21.0	12.9
3	#16590.00	46.8 PK	68.2	-21.4	1.69 V	138	31.9	14.9

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.
5. " # ": The radiated frequency is out of the restricted band.

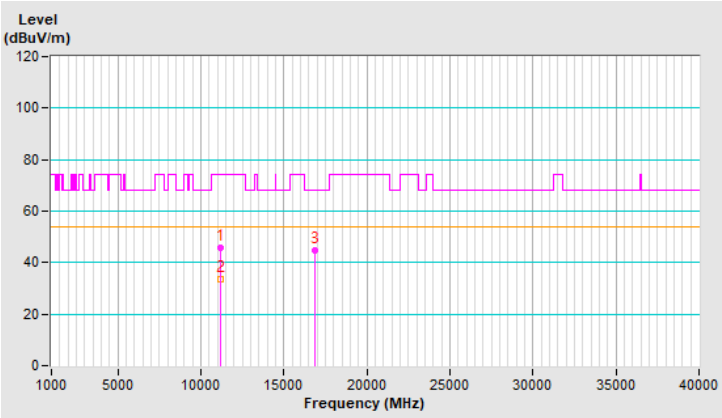


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11220.00	46.0 PK	74.0	-28.0	1.54 H	300	32.8	13.2
2	11220.00	33.6 AV	54.0	-20.4	1.54 H	300	20.4	13.2
3	#16830.00	45.0 PK	68.2	-23.2	1.44 H	234	28.9	16.1

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.
5. " # ": The radiated frequency is out of the restricted band.

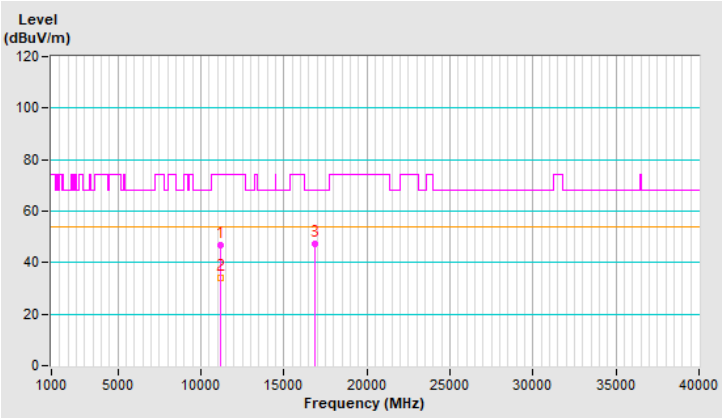


CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11220.00	46.9 PK	74.0	-27.1	2.45 V	139	33.7	13.2
2	11220.00	33.9 AV	54.0	-20.1	2.45 V	139	20.7	13.2
3	#16830.00	47.3 PK	68.2	-20.9	1.60 V	154	31.2	16.1

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.
5. " # ": The radiated frequency is out of the restricted band.

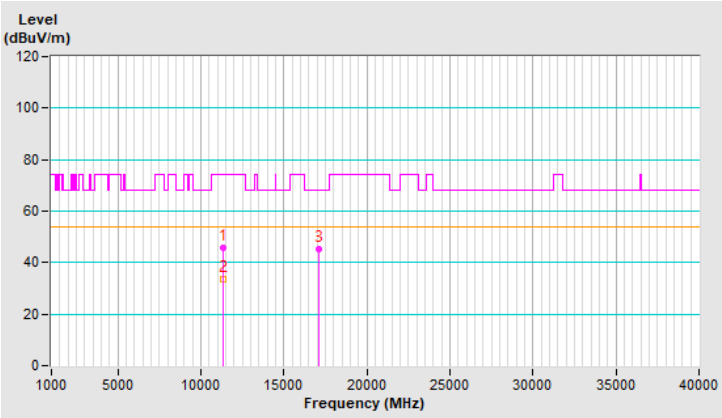


CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11380.00	45.7 PK	74.0	-28.3	1.48 H	297	32.5	13.2
2	11380.00	33.4 AV	54.0	-20.6	1.48 H	297	20.2	13.2
3	#17070.00	45.5 PK	68.2	-22.7	1.45 H	233	28.5	17.0

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.
5. " # ": The radiated frequency is out of the restricted band.

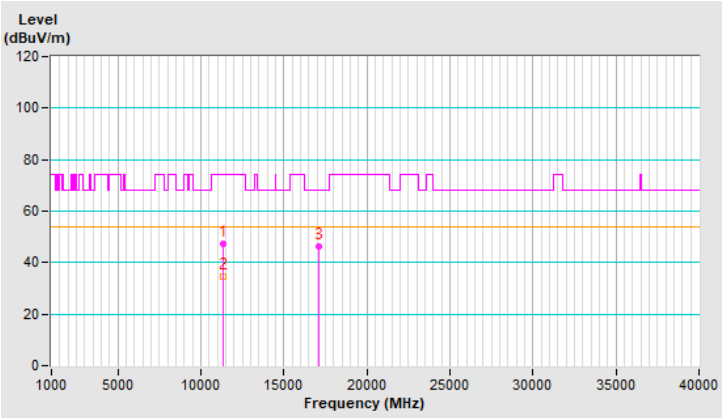


CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11380.00	47.5 PK	74.0	-26.5	2.38 V	137	34.3	13.2
2	11380.00	34.5 AV	54.0	-19.5	2.38 V	137	21.3	13.2
3	#17070.00	46.5 PK	68.2	-21.7	1.62 V	143	29.5	17.0

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.
5. " # ": The radiated frequency is out of the restricted band.

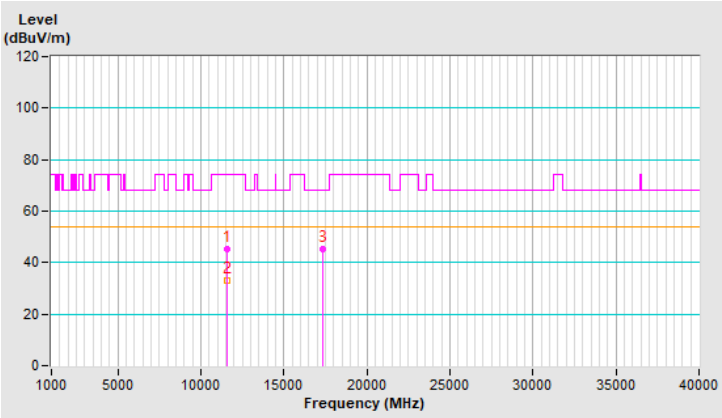


CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11550.00	45.4 PK	74.0	-28.6	1.47 H	309	32.2	13.2
2	11550.00	33.2 AV	54.0	-20.8	1.47 H	309	20.0	13.2
3	#17325.00	45.1 PK	68.2	-23.1	1.46 H	207	27.5	17.6

REMARKS:

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

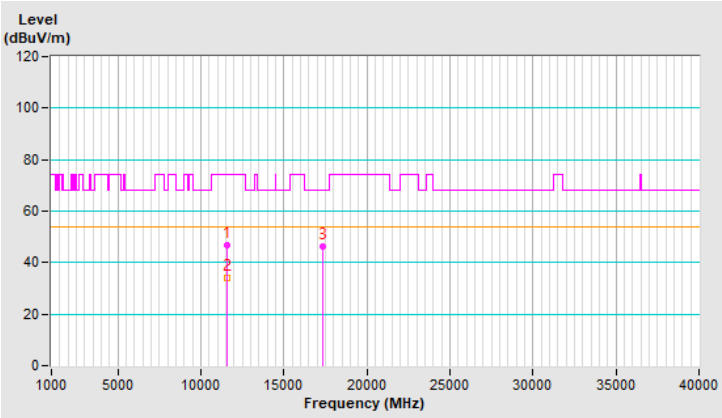


CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11550.00	46.7 PK	74.0	-27.3	2.38 V	157	33.5	13.2
2	11550.00	33.9 AV	54.0	-20.1	2.38 V	157	20.7	13.2
3	#17325.00	46.4 PK	68.2	-21.8	1.62 V	149	28.8	17.6

REMARKS:

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



Below 1GHz Data:

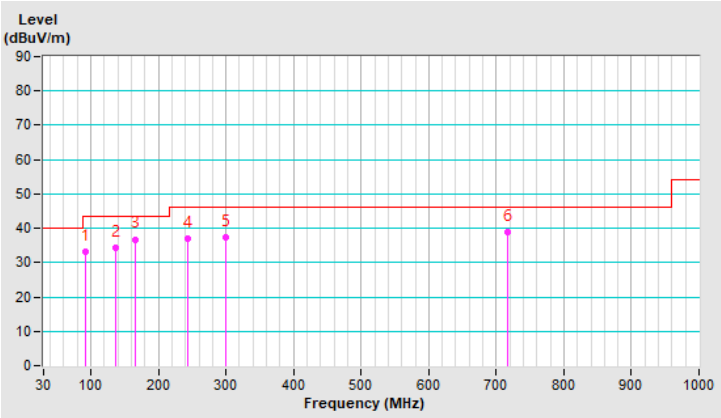
802.11a

CHANNEL	TX Channel 36	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	91.87	33.2 QP	43.5	-10.3	2.00 H	325	46.4	-13.2
2	137.61	34.1 QP	43.5	-9.4	2.50 H	79	41.8	-7.7
3	166.10	36.8 QP	43.5	-6.7	1.50 H	296	44.2	-7.4
4	242.74	36.9 QP	46.0	-9.1	1.00 H	280	45.5	-8.6
5	299.43	37.3 QP	46.0	-8.7	1.50 H	287	43.7	-6.4
6	716.88	38.9 QP	46.0	-7.1	1.50 H	46	36.2	2.7

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 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.

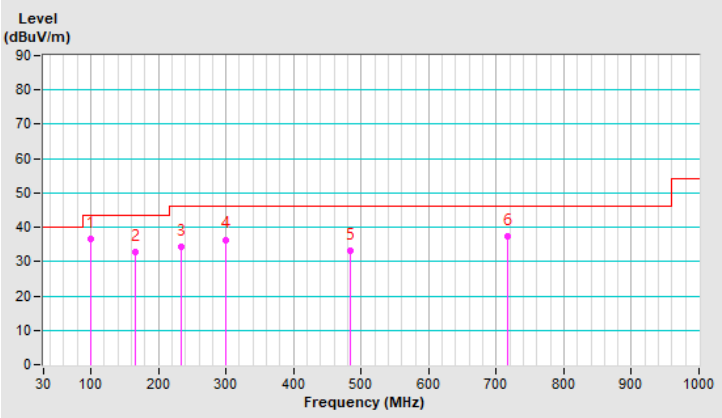


CHANNEL	TX Channel 36	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.81	36.6 QP	43.5	-6.9	1.50 V	18	48.4	-11.8
2	166.11	32.9 QP	43.5	-10.6	1.00 V	132	40.3	-7.4
3	232.88	34.2 QP	46.0	-11.8	1.00 V	360	43.2	-9.0
4	299.57	36.4 QP	46.0	-9.6	1.50 V	182	42.8	-6.4
5	483.56	33.2 QP	46.0	-12.8	1.00 V	360	35.0	-1.8
6	716.87	37.3 QP	46.0	-8.7	2.00 V	325	34.6	2.7

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 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.

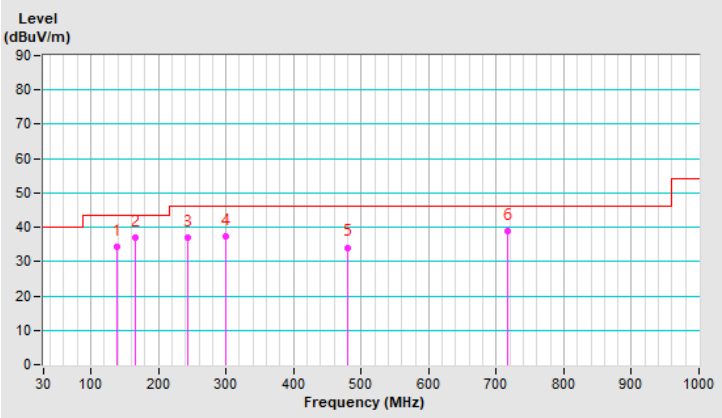


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	137.73	34.3 QP	43.5	-9.2	2.50 H	98	42.0	-7.7
2	166.22	36.9 QP	43.5	-6.6	1.50 H	309	44.3	-7.4
3	242.82	37.0 QP	46.0	-9.0	1.00 H	294	45.6	-8.6
4	299.51	37.5 QP	46.0	-8.5	1.50 H	302	43.9	-6.4
5	479.38	34.1 QP	46.0	-11.9	2.00 H	346	36.1	-2.0
6	716.98	39.0 QP	46.0	-7.0	1.50 H	64	36.3	2.7

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 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.

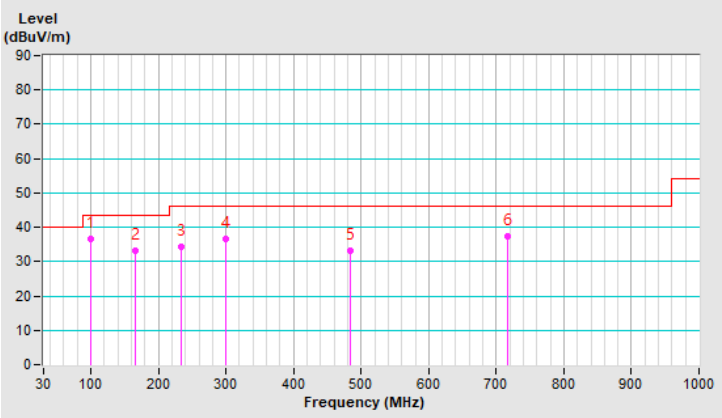


CHANNEL	TX Channel 52	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.97	36.7 QP	43.5	-6.8	1.50 V	39	48.5	-11.8
2	166.21	33.0 QP	43.5	-10.5	1.00 V	149	40.4	-7.4
3	232.95	34.3 QP	46.0	-11.7	1.00 V	343	43.3	-9.0
4	299.68	36.5 QP	46.0	-9.5	1.50 V	201	42.9	-6.4
5	483.66	33.3 QP	46.0	-12.7	1.00 V	1	35.1	-1.8
6	717.02	37.4 QP	46.0	-8.6	2.00 V	338	34.7	2.7

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 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.

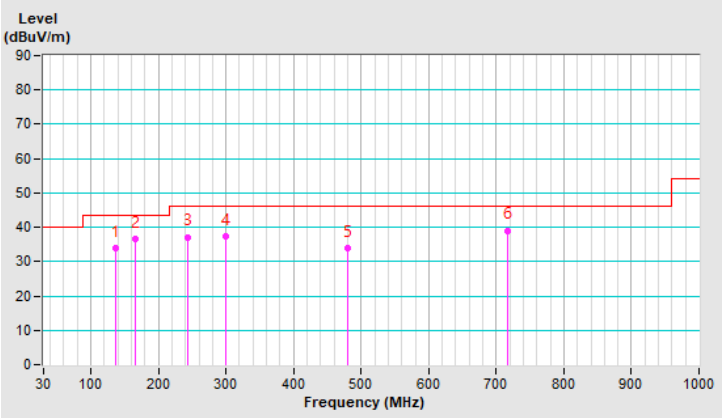


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	137.50	34.0 QP	43.5	-9.5	2.50 H	86	41.7	-7.7
2	166.12	36.7 QP	43.5	-6.8	1.50 H	281	44.1	-7.4
3	242.85	37.2 QP	46.0	-8.8	1.00 H	303	45.8	-8.6
4	299.55	37.5 QP	46.0	-8.5	1.50 H	267	43.9	-6.4
5	479.41	33.9 QP	46.0	-12.1	2.00 H	349	35.9	-2.0
6	716.98	39.1 QP	46.0	-6.9	1.50 H	77	36.4	2.7

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 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.

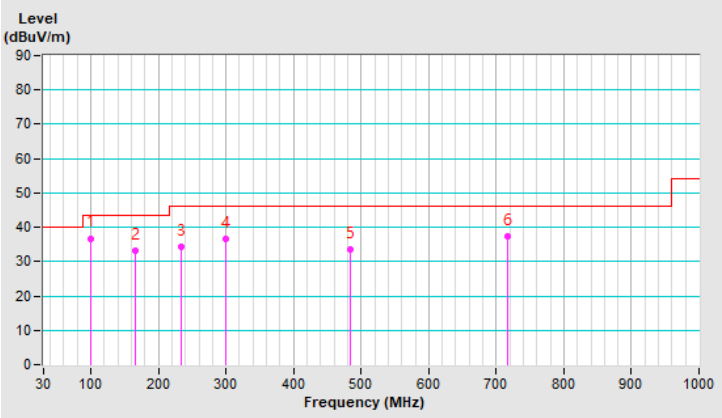


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.97	36.8 QP	43.5	-6.7	1.50 V	39	48.6	-11.8
2	166.25	33.0 QP	43.5	-10.5	1.00 V	152	40.5	-7.5
3	233.02	34.3 QP	46.0	-11.7	1.00 V	322	43.3	-9.0
4	299.71	36.6 QP	46.0	-9.4	1.50 V	203	43.0	-6.4
5	483.68	33.4 QP	46.0	-12.6	1.00 V	336	35.2	-1.8
6	716.99	37.5 QP	46.0	-8.5	2.00 V	300	34.8	2.7

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 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.

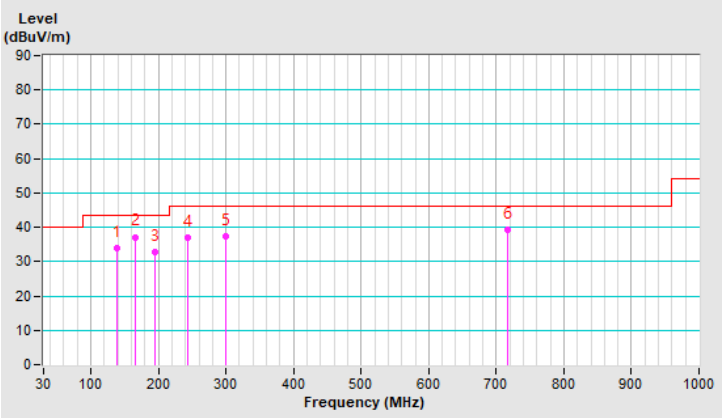


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	137.74	34.0 QP	43.5	-9.5	2.50 H	101	41.7	-7.7
2	166.16	37.2 QP	43.5	-6.3	1.50 H	277	44.6	-7.4
3	193.95	32.9 QP	43.5	-10.6	1.00 H	15	43.0	-10.1
4	242.86	37.0 QP	46.0	-9.0	1.00 H	297	45.6	-8.6
5	299.56	37.5 QP	46.0	-8.5	1.50 H	306	43.9	-6.4
6	717.00	39.1 QP	46.0	-6.9	1.50 H	68	36.4	2.7

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 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.

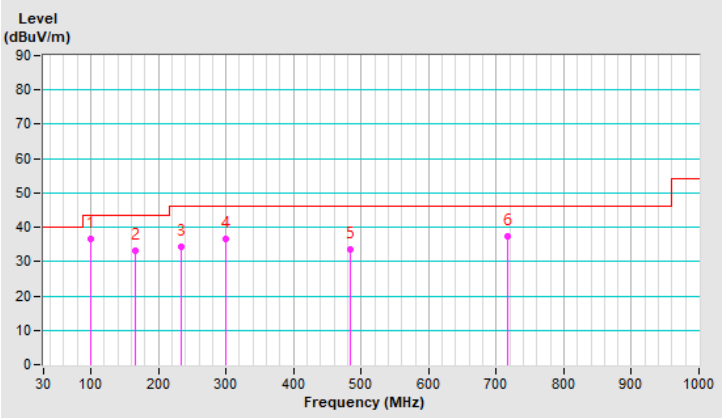


CHANNEL	TX Channel 157	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.95	36.7 QP	43.5	-6.8	1.50 V	20	48.5	-11.8
2	166.29	33.0 QP	43.5	-10.5	1.00 V	138	40.5	-7.5
3	232.94	34.3 QP	46.0	-11.7	1.00 V	28	43.3	-9.0
4	299.67	36.6 QP	46.0	-9.4	1.50 V	198	43.0	-6.4
5	483.63	33.4 QP	46.0	-12.6	1.00 V	34	35.2	-1.8
6	716.97	37.4 QP	46.0	-8.6	2.00 V	341	34.7	2.7

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 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

For Radiated measurement:

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)

For Conducted measurement:

The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).

Note: In order to obtain results more easily, change max hold to view. It has no effect on the result.

Conducted Measurement Factor

a. The composite gain will be used
   i. For Mode 1
      Chain 0
      U-NII-1: Composite gain = 3.65 + 10 log[(2) = 6.66 dBi
      U-NII-2A: Composite gain = 3.65 + 10 log[(2) = 6.66 dBi
      U-NII-2C: Composite gain = 3.65 + 10 log[(2) = 6.66 dBi
      U-NII-3: Composite gain = 3.65 + 10 log[(2) = 6.66 dBi
      Chain 1
      U-NII-1: Composite gain = 3.74 + 10 log[(2) = 6.75 dBi
      U-NII-2A: Composite gain = 3.74 + 10 log[(2) = 6.75 dBi
      U-NII-2C: Composite gain = 3.74 + 10 log[(2) = 6.75 dBi
      U-NII-3: Composite gain = 3.74 + 10 log[(2) = 6.75 dBi

   ii. For Mode 2:
      U-NII-1: Composite gain = 3.65 dBi
      U-NII-2A: Composite gain = 3.65 dBi
      U-NII-2C: Composite gain = 3.65 dBi
      U-NII-3: Composite gain = 3.65 dBi

b. For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands.

c. For the band edge the gain for the specific band may have been used.

d. In restricted bands below 1000 MHz, add upper bound on ground plane reflection:

   For f = 30 – 1000 MHz, add 4.7 dB.

Note: The conducted emission test was considered some factor to compute test result.

4.1.8.1 Test Results (Mode 1)

Above 1GHz Data
802.11ac (VHT20) - Channel 36

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5178.12 PK	110.39	*		8.47	6.66	15.13
2	5076.56 PK	55.88	74	-18.12	-46.04	6.66	-39.38
3	7876.56 PK	55.12	68.2	-13.08	-46.8	6.66	-40.14
4	21629.06 PK	57.48	68.2	-10.72	-44.44	6.66	-37.78
5	39733.75 PK	60.24	74	-13.76	-41.68	6.66	-35.02
6	5179.68 AV	101.82	*		-0.1	6.66	6.56
7	5100 AV	42.31	54	-11.69	-59.61	6.66	-52.95
8	7253.12 AV	34.67	54	-19.33	-67.25	6.66	-60.59
9	21669.31 AV	45.46	#		-56.46	6.66	-49.8
10	39700 AV	47.92	54	-6.08	-54	6.66	-47.34

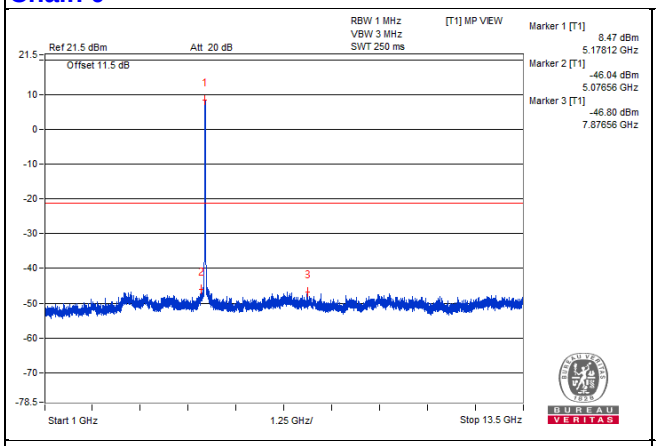
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

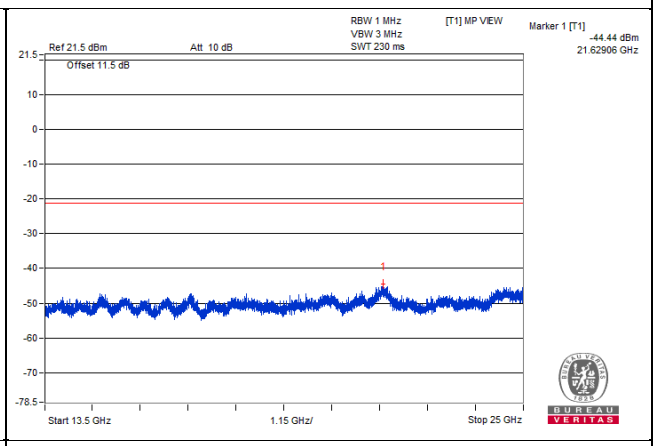
Chain 1

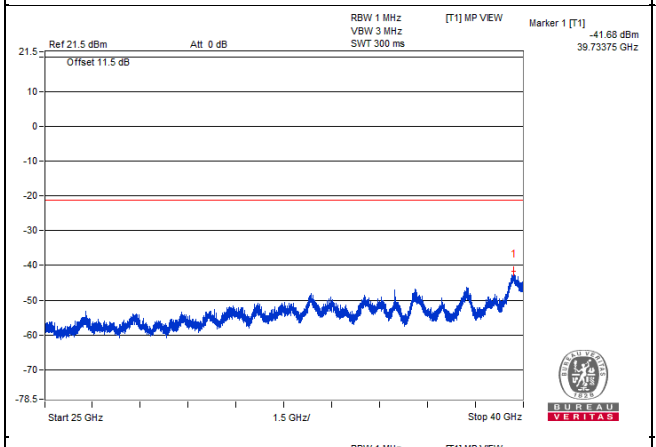
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5181.25 PK	110.16	*		8.15	6.75	14.9
2	5093.75 PK	55.65	74	-18.35	-46.36	6.75	-39.61
3	7368.75 PK	55.25	74	-18.75	-46.76	6.75	-40.01
4	21584.5 PK	57.46	68.2	-10.74	-44.55	6.75	-37.8
5	39692.5 PK	58.93	74	-15.07	-43.08	6.75	-36.33
6	5178.12 AV	102.08	*		0.07	6.75	6.82
7	5096.87 AV	42.64	54	-11.36	-59.37	6.75	-52.62
8	10360.93 AV	33.19	#		-68.82	6.75	-62.07
9	21667.87 AV	45.34	#		-56.67	6.75	-49.92
10	39700 AV	47.85	54	-6.15	-54.16	6.75	-47.41

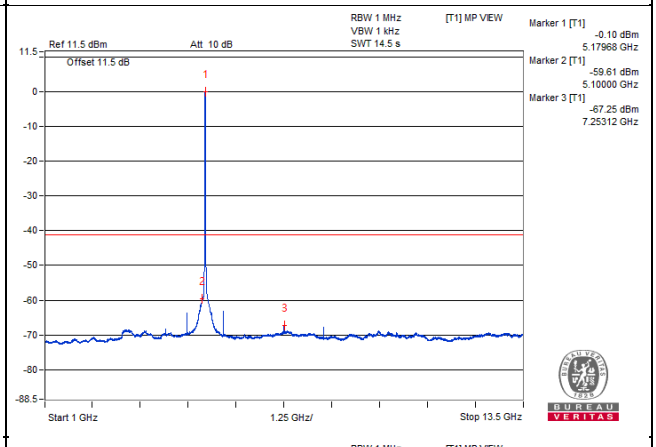
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

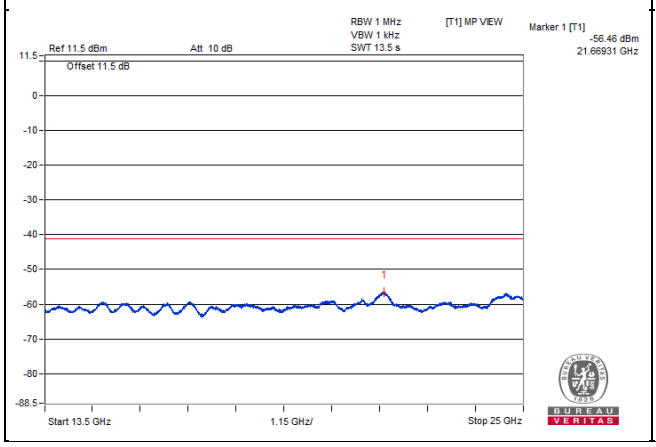
Chain 0

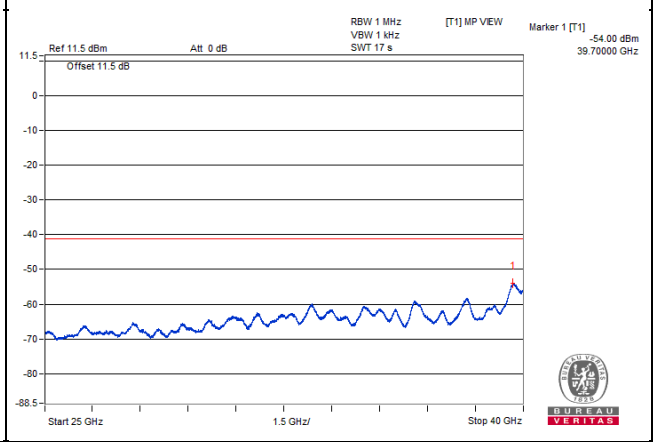

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
8.47 dBm
5.17812 GHz
Marker 2 [T1]
-46.04 dBm
5.07656 GHz
Marker 3 [T1]
-46.80 dBm
7.87656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.44 dBm
21.62906 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

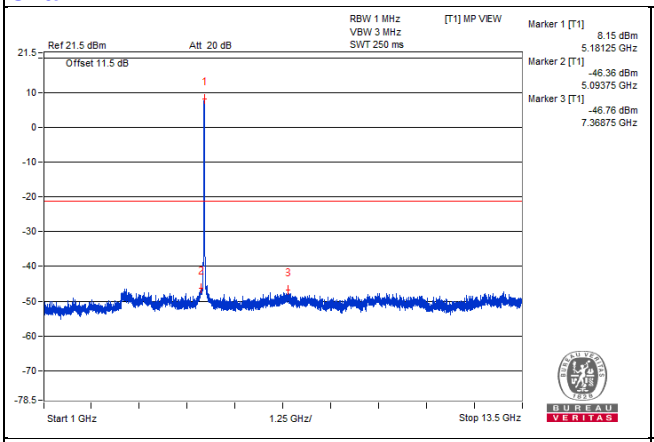

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-41.68 dBm
39.73375 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

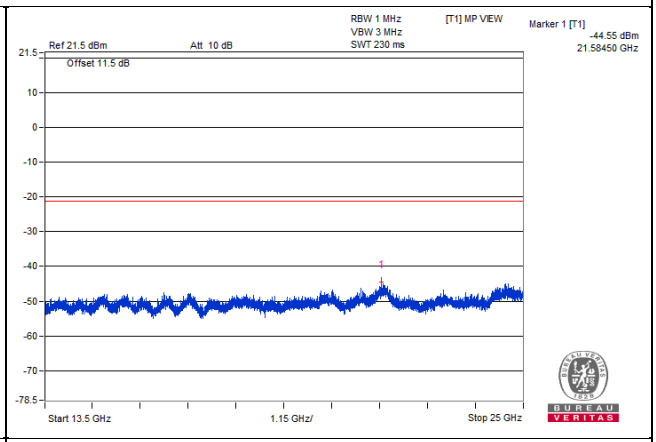

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-0.10 dBm
5.17968 GHz
Marker 2 [T1]
-59.61 dBm
5.10000 GHz
Marker 3 [T1]
-67.25 dBm
7.25312 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

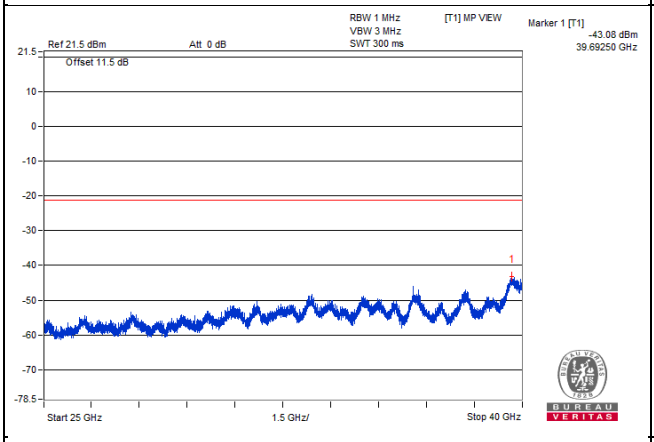

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.46 dBm
21.66931 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

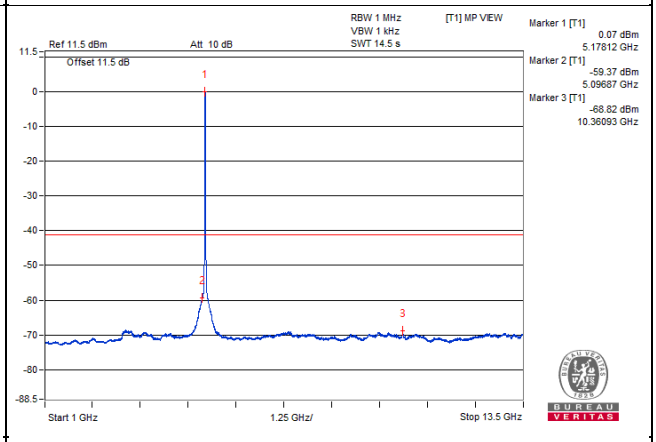

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.00 dBm
39.70000 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

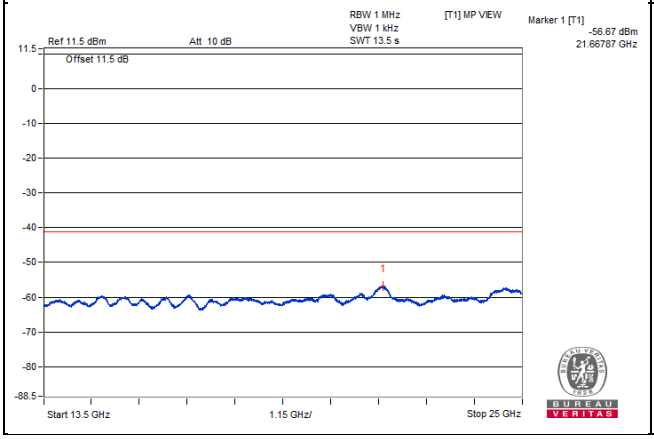
Chain 1

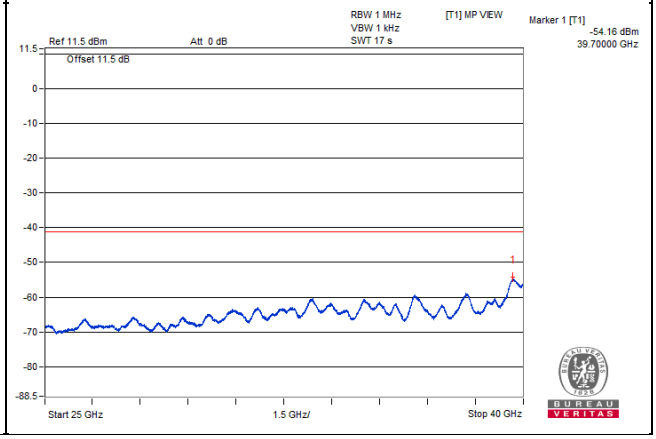

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
8.15 dBm
5.18125 GHz
Marker 2 [T1]
-46.36 dBm
5.09375 GHz
Marker 3 [T1]
-46.76 dBm
7.36875 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.55 dBm
21.58450 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-43.08 dBm
39.69250 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
0.07 dBm
5.17812 GHz
Marker 2 [T1]
-59.37 dBm
5.09687 GHz
Marker 3 [T1]
-68.82 dBm
10.36093 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.67 dBm
21.66787 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.16 dBm
39.70000 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5181.92 PK	111.84	*		10.14	6.44	16.58
2	5150 PK	58.72	74	-15.28	-42.98	6.44	-36.54
3	5149.4 PK	62.19	74	-11.81	-39.51	6.44	-33.07
4	5180.85 AV	101.55	*		-0.15	6.44	6.29
5	5150 AV	46.85	54	-7.15	-54.85	6.44	-48.41
6	5150 AV	46.85	54	-7.15	-54.85	6.44	-48.41

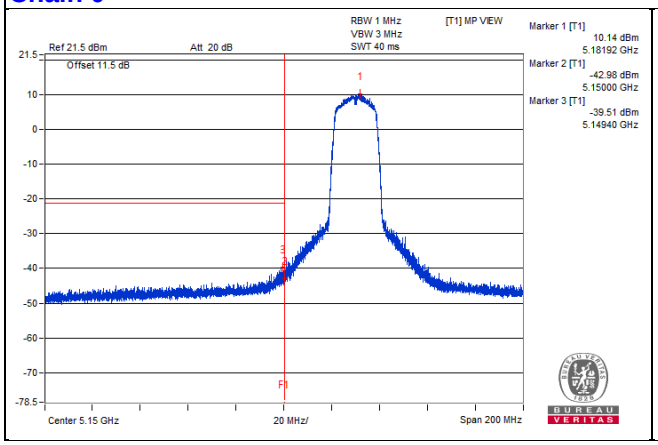
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

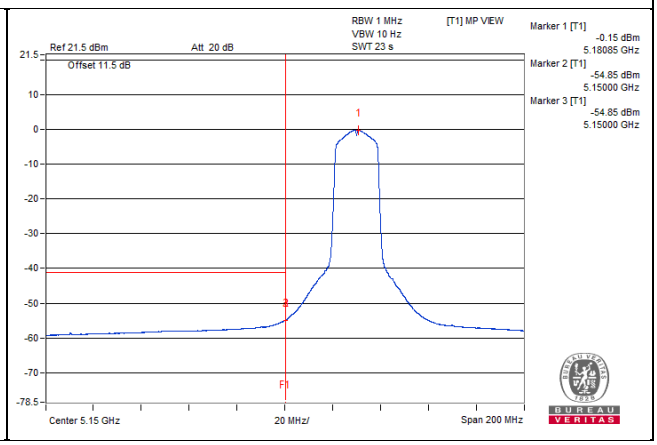
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5179.2 PK	112.62	*		10.94	6.42	17.36
2	5150 PK	61.66	74	-12.34	-40.02	6.42	-33.6
3	5149.6 PK	63.41	74	-10.59	-38.27	6.42	-31.85
4	5180.9 AV	101.62	*		-0.06	6.42	6.36
5	5150 AV	48.43	54	-5.57	-53.25	6.42	-46.83
6	5149.95 AV	48.43	54	-5.57	-53.25	6.42	-46.83

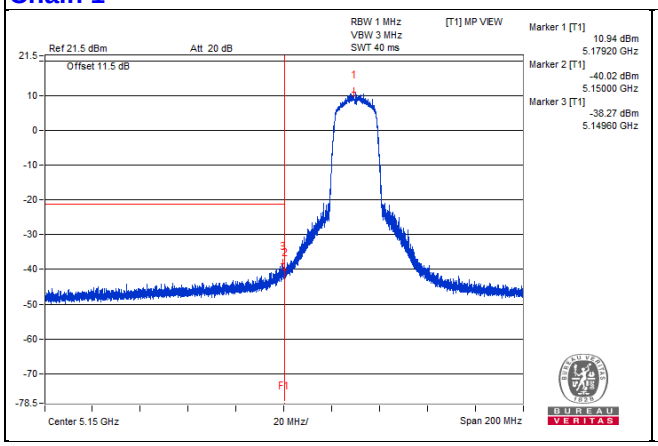
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

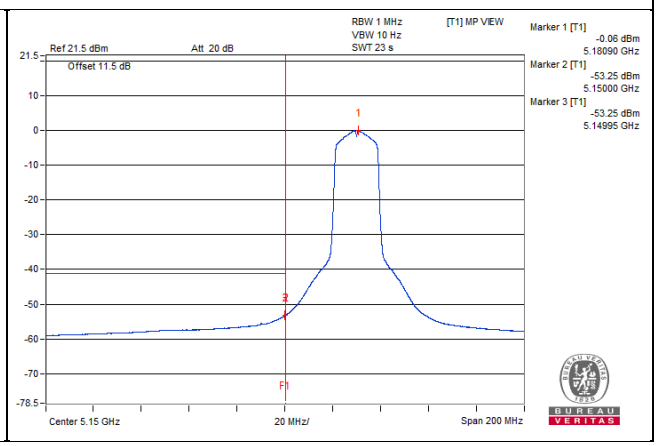
Chain 0





Chain 1





802.11ac (VHT20) - Channel 40

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5201.56 PK	110.55	*		8.63	6.66	15.29
2	3081.25 PK	55.02	68.2	-13.18	-46.9	6.66	-40.24
3	13270.31 PK	55.13	74	-18.87	-46.79	6.66	-40.13
4	21639.12 PK	58.61	68.2	-9.59	-43.31	6.66	-36.65
5	39670 PK	59.37	74	-14.63	-42.55	6.66	-35.89
6	5201.56 AV	101.77	*		-0.15	6.66	6.51
7	5095.31 AV	40.43	54	-13.57	-61.49	6.66	-54.83
8	7278.12 AV	33.86	54	-20.14	-68.06	6.66	-61.4
9	21667.87 AV	45.47	#		-56.45	6.66	-49.79
10	39724.37 AV	47.86	54	-6.14	-54.06	6.66	-47.4

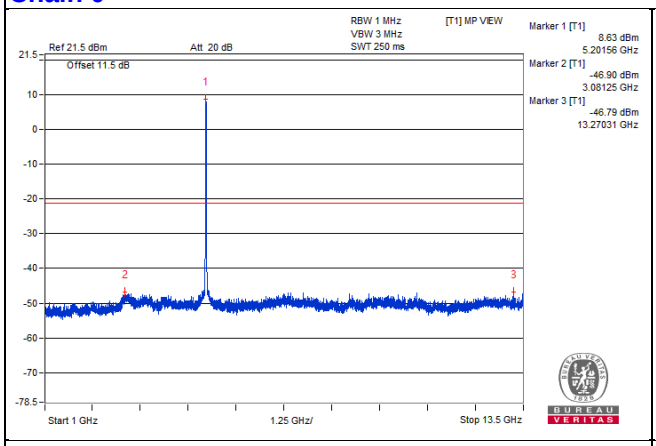
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

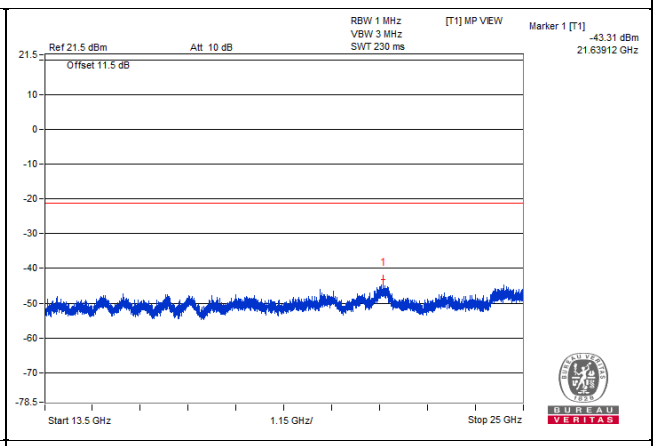
Chain 1

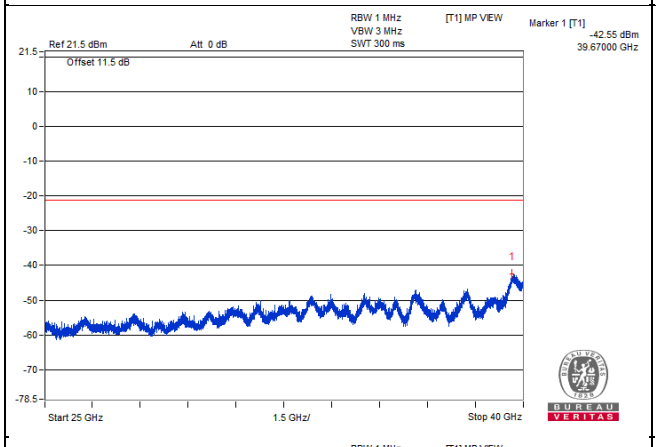
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5198.43 PK	109.99	*		7.98	6.75	14.73
2	5100 PK	56	74	-18	-46.01	6.75	-39.26
3	12290.62 PK	54.74	74	-19.26	-47.27	6.75	-40.52
4	21573 PK	57	68.2	-11.2	-45.01	6.75	-38.26
5	39795.62 PK	59.15	74	-14.85	-42.86	6.75	-36.11
6	5198.43 AV	101.58	*		-0.43	6.75	6.32
7	5096.87 AV	41.56	54	-12.44	-60.45	6.75	-53.7
8	10403.12 AV	33.04	#		-68.97	6.75	-62.22
9	21644.87 AV	45.32	#		-56.69	6.75	-49.94
10	39713.12 AV	47.61	54	-6.39	-54.4	6.75	-47.65

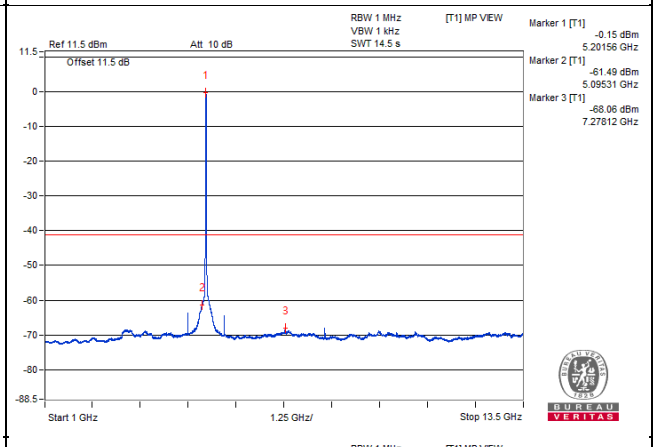
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

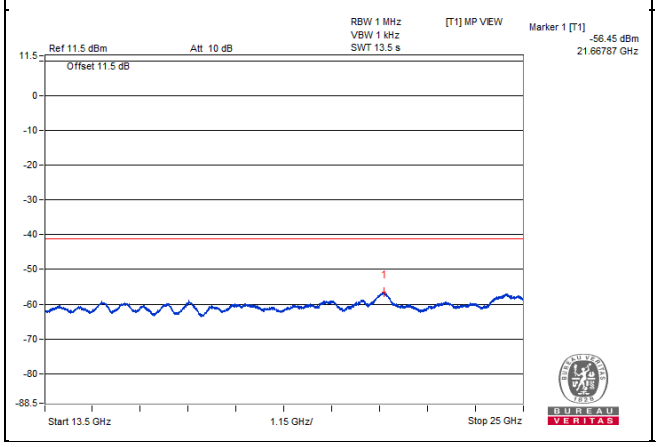
Chain 0

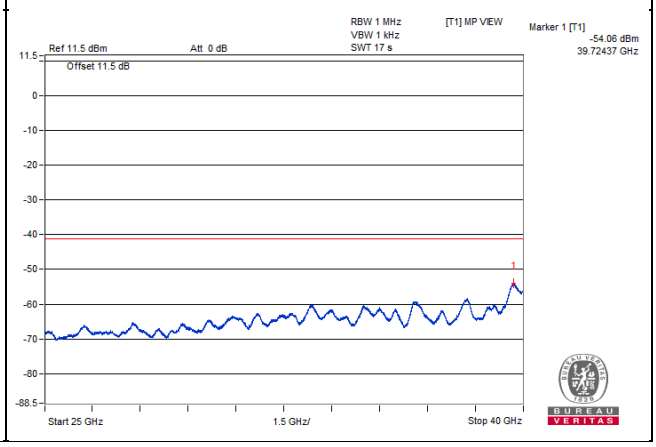

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
8.63 dBm
5.20156 GHz
Marker 2 [T1]
-46.90 dBm
3.08125 GHz
Marker 3 [T1]
-46.79 dBm
13.27031 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-43.31 dBm
21.63912 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

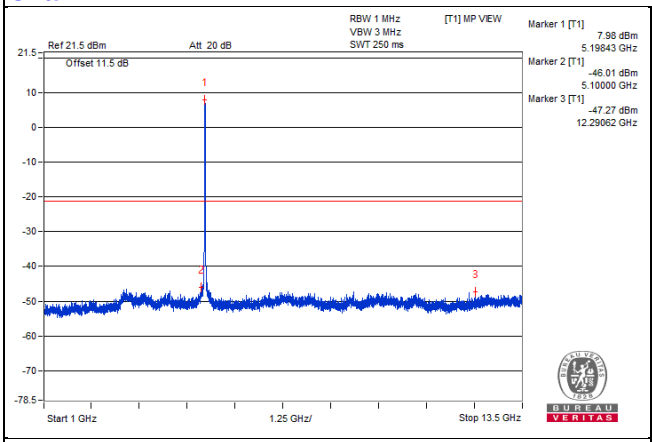

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.55 dBm
39.67000 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

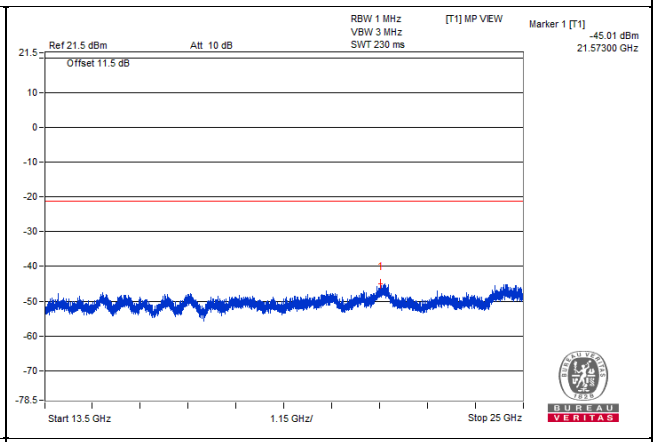

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-0.15 dBm
5.20156 GHz
Marker 2 [T1]
-61.49 dBm
5.09531 GHz
Marker 3 [T1]
-68.06 dBm
7.27812 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

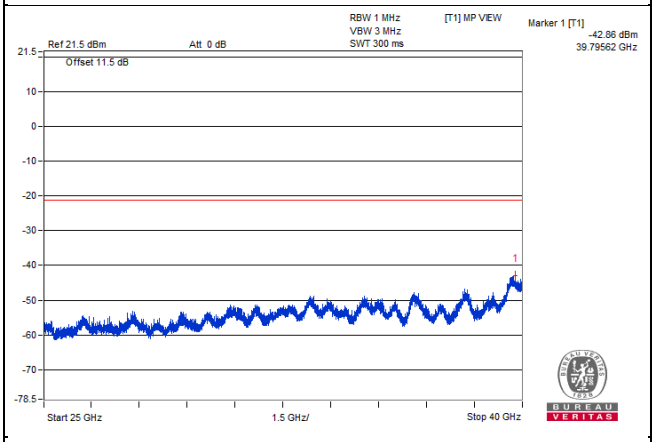

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.45 dBm
21.66787 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

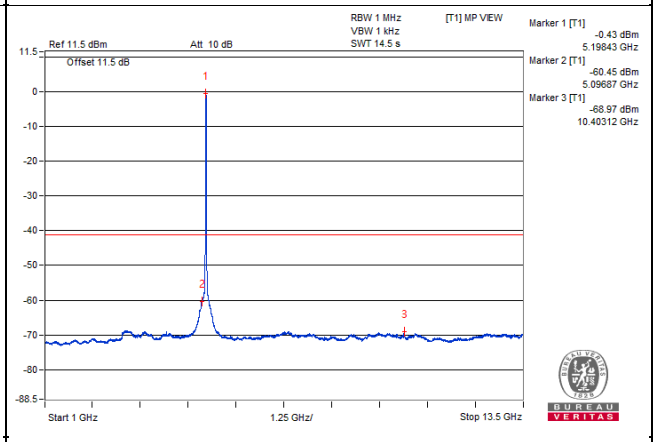

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.06 dBm
39.72437 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

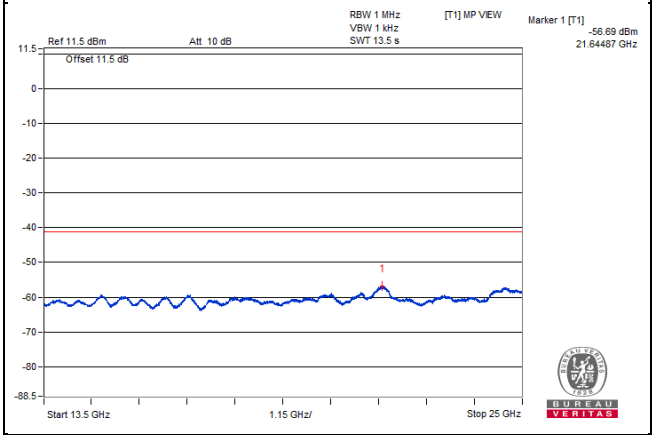
Chain 1

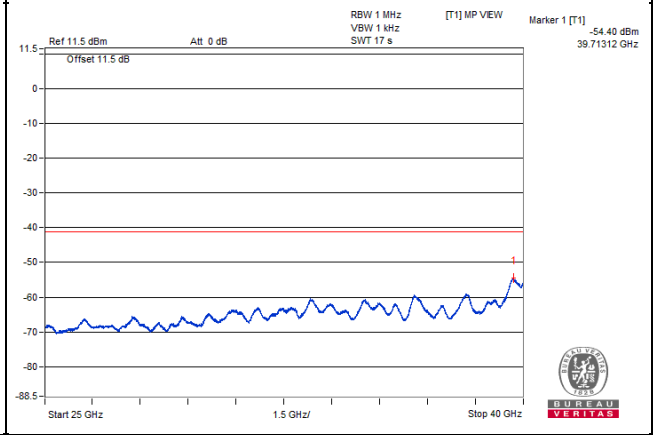

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
7.98 dBm
5.19843 GHz
Marker 2 [T1]
-46.01 dBm
5.10000 GHz
Marker 3 [T1]
-47.27 dBm
12.29062 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-45.01 dBm
21.57300 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.86 dBm
39.79562 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-0.43 dBm
5.19843 GHz
Marker 2 [T1]
-60.45 dBm
5.09687 GHz
Marker 3 [T1]
-68.97 dBm
10.40312 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.69 dBm
21.64487 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.40 dBm
39.71312 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5198.52 PK	111.71	*		10.01	6.44	16.45
2	5150 PK	54.51	74	-19.49	-47.19	6.44	-40.75
3	5136.52 PK	56.95	74	-17.05	-44.75	6.44	-38.31
4	5201.07 AV	101.37	*		-0.33	6.44	6.11
5	5150 AV	44.02	54	-9.98	-57.68	6.44	-51.24
6	5147.1 AV	44.05	54	-9.95	-57.65	6.44	-51.21

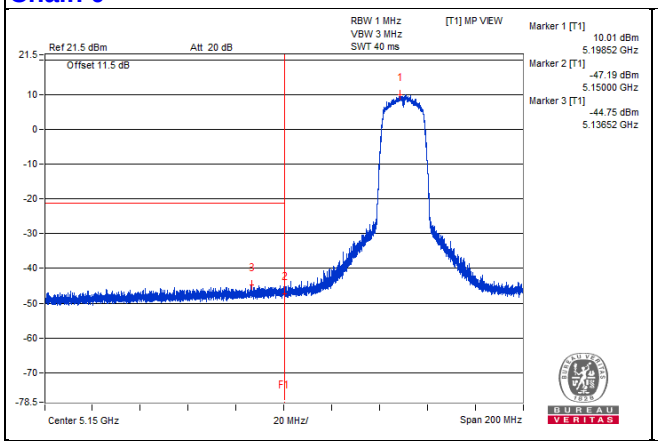
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

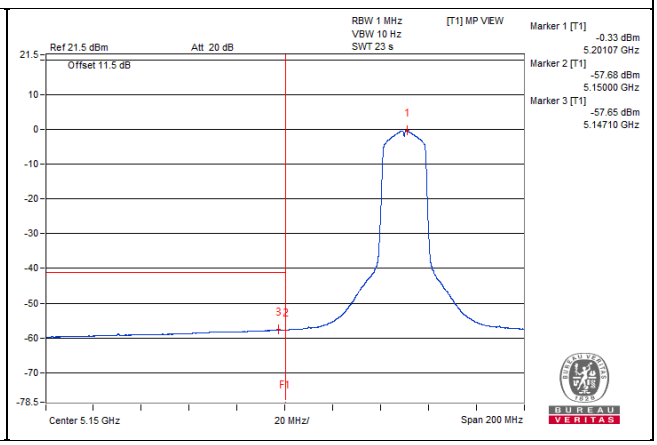
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5199.15 PK	111.52	*		9.84	6.42	16.26
2	5150 PK	56.08	74	-17.92	-45.6	6.42	-39.18
3	5146.45 PK	57.51	74	-16.49	-44.17	6.42	-37.75
4	5200.9 AV	101.13	*		-0.55	6.42	5.87
5	5150 AV	44.68	54	-9.32	-57	6.42	-50.58
6	5148.75 AV	44.69	54	-9.31	-56.99	6.42	-50.57

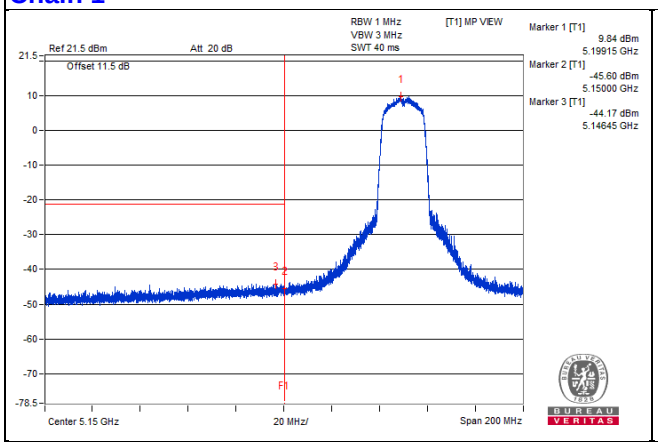
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

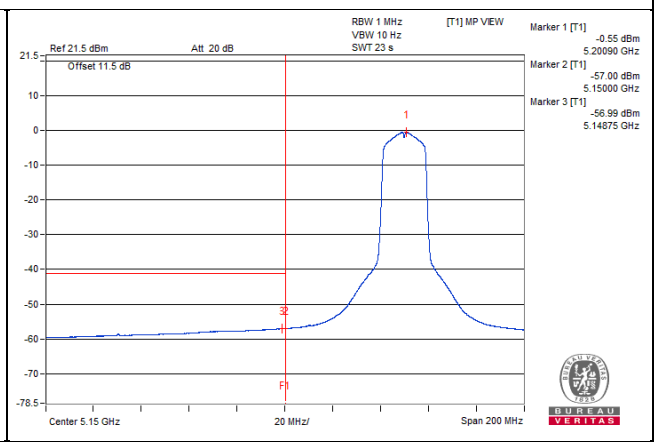
Chain 0





Chain 1





802.11ac (VHT20) - Channel 48

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5240.62 PK	111.72	*		9.8	6.66	16.46
2	3117.18 PK	55.26	68.2	-12.94	-46.66	6.66	-40
3	7350 PK	55.2	74	-18.8	-46.72	6.66	-40.06
4	21626.18 PK	57.31	68.2	-10.89	-44.61	6.66	-37.95
5	39739.37 PK	59.67	74	-14.33	-42.25	6.66	-35.59
6	5240.62 AV	102.23	*		0.31	6.66	6.97
7	5100 AV	38.38	54	-15.62	-63.54	6.66	-56.88
8	7334.37 AV	33.52	54	-20.48	-68.4	6.66	-61.74
9	21621.87 AV	45.64	#		-56.28	6.66	-49.62
10	39716.87 AV	47.88	54	-6.12	-54.04	6.66	-47.38

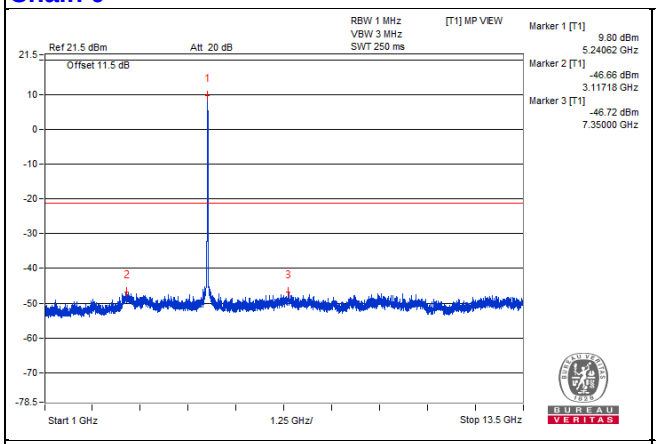
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

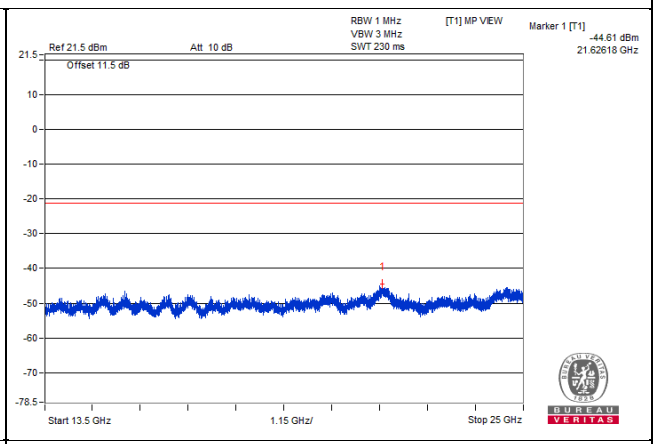
Chain 1

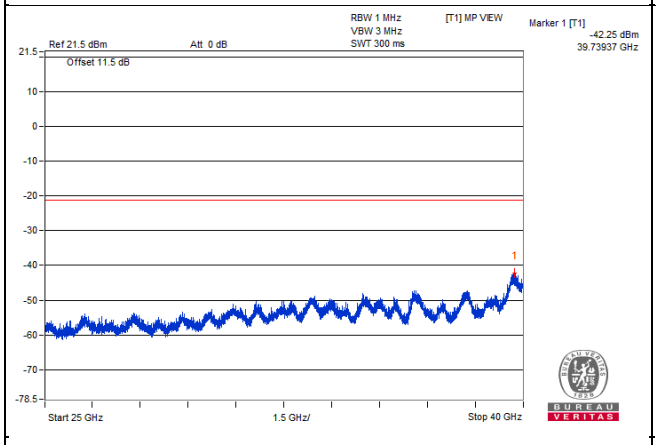
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5237.5 PK	110.11	*		8.1	6.75	14.85
2	3065.62 PK	54.91	68.2	-13.29	-47.1	6.75	-40.35
3	7287.5 PK	55.4	74	-18.6	-46.61	6.75	-39.86
4	21653.5 PK	57.87	68.2	-10.33	-44.14	6.75	-37.39
5	39722.5 PK	60.02	74	-13.98	-41.99	6.75	-35.24
6	5239.06 AV	101.5	*		-0.51	6.75	6.24
7	5082.81 AV	39.35	54	-14.65	-62.66	6.75	-55.91
8	7343.75 AV	33.09	54	-20.91	-68.92	6.75	-62.17
9	21663.56 AV	45.18	#		-56.83	6.75	-50.08
10	39700 AV	47.44	54	-6.56	-54.57	6.75	-47.82

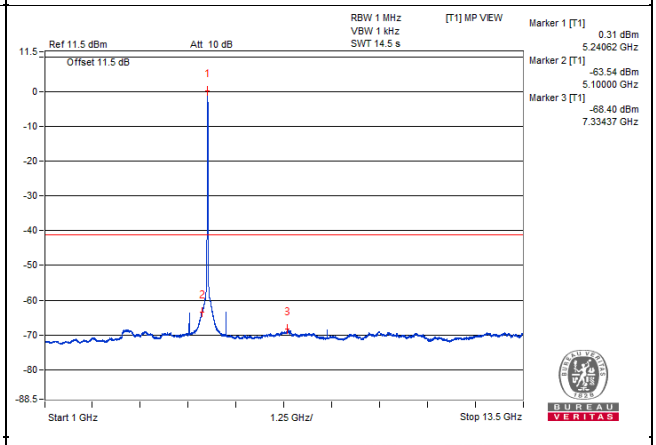
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

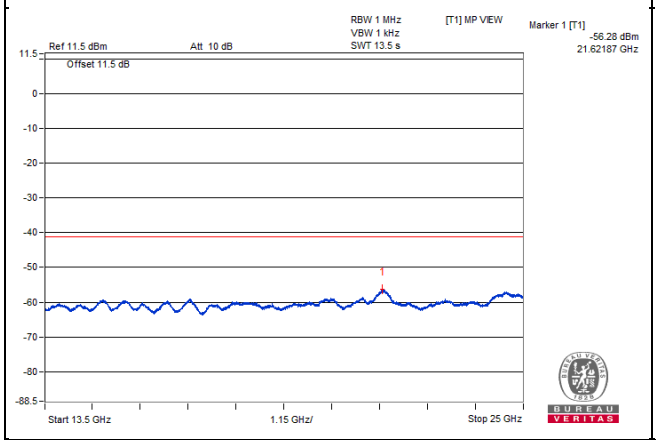
Chain 0

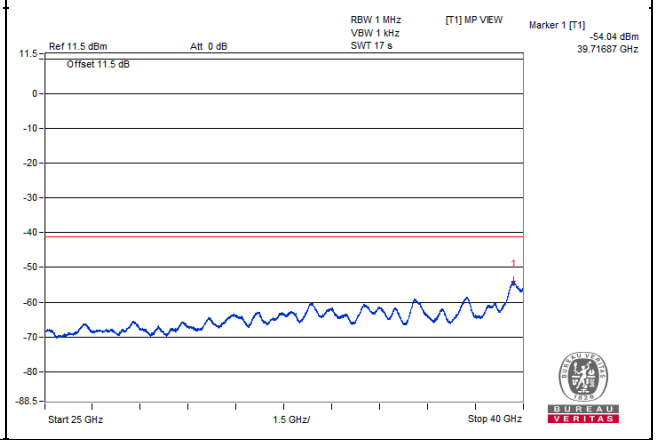

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
9.80 dBm
5.24062 GHz
Marker 2 [T1]
-46.66 dBm
3.11718 GHz
Marker 3 [T1]
-46.72 dBm
7.35000 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.61 dBm
21.62618 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

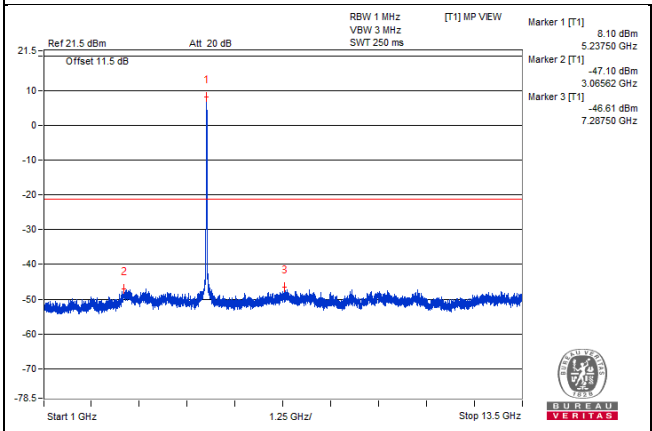

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.25 dBm
39.73937 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

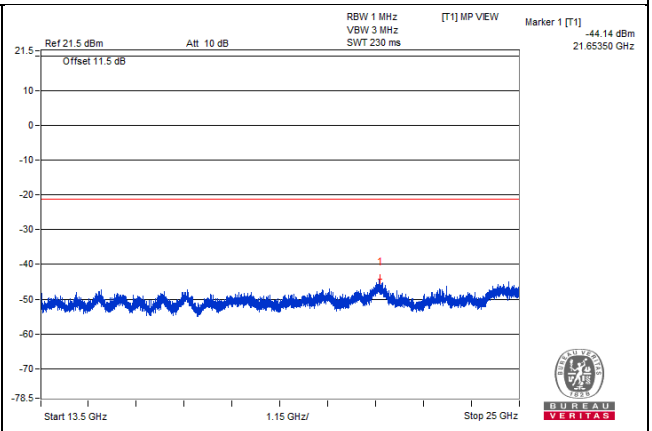

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
0.31 dBm
5.24062 GHz
Marker 2 [T1]
-63.54 dBm
5.10000 GHz
Marker 3 [T1]
-68.40 dBm
7.33437 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

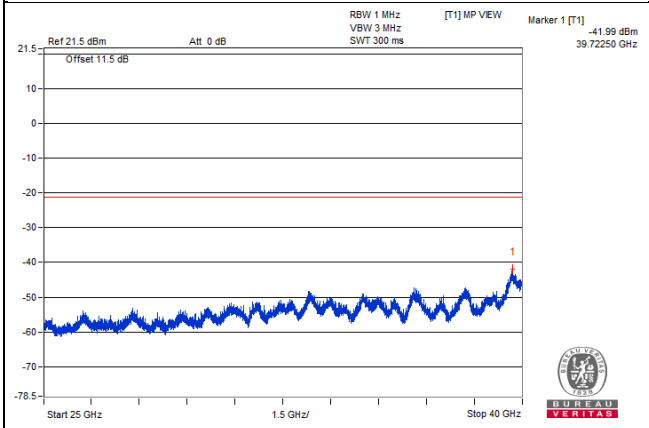

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.28 dBm
21.62187 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

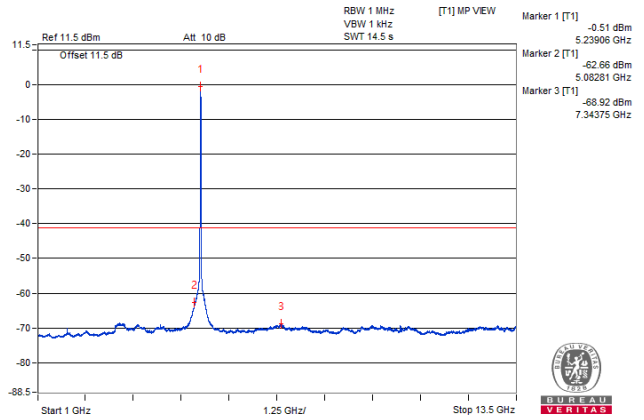

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.04 dBm
39.71687 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

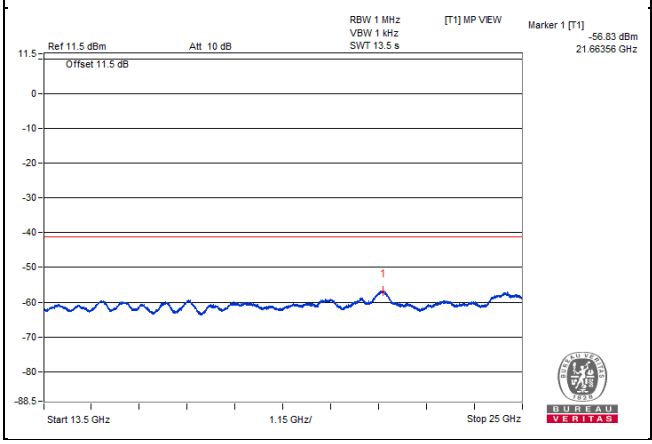
Chain 1

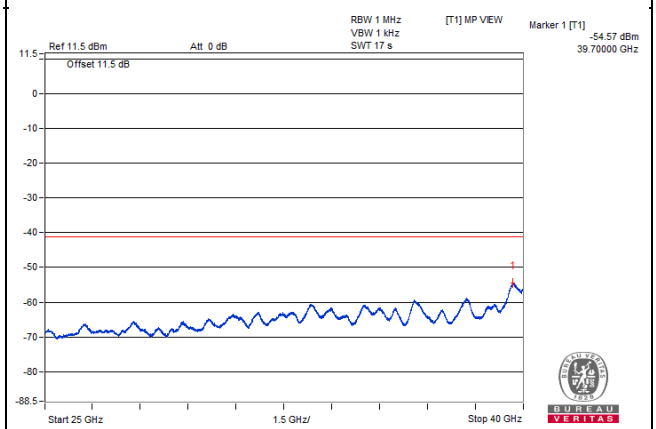

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
8.10 dBm
5.23750 GHz
Marker 2 [T1]
-47.10 dBm
3.06562 GHz
Marker 3 [T1]
-46.61 dBm
7.28750 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.14 dBm
21.65350 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-41.99 dBm
39.72250 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-0.51 dBm
5.23906 GHz
Marker 2 [T1]
-62.66 dBm
5.08281 GHz
Marker 3 [T1]
-68.92 dBm
7.34375 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.83 dBm
21.66356 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.57 dBm
39.70000 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5238.77 PK	112.51	*		10.81	6.44	17.25
2	5150 PK	54.08	74	-19.92	-47.62	6.44	-41.18
3	5139.35 PK	55.89	74	-18.11	-45.81	6.44	-39.37
4	5239.02 AV	101.7	*		0	6.44	6.44
5	5150 AV	42.8	54	-11.2	-58.9	6.44	-52.46
6	5149.87 AV	42.82	54	-11.18	-58.88	6.44	-52.44

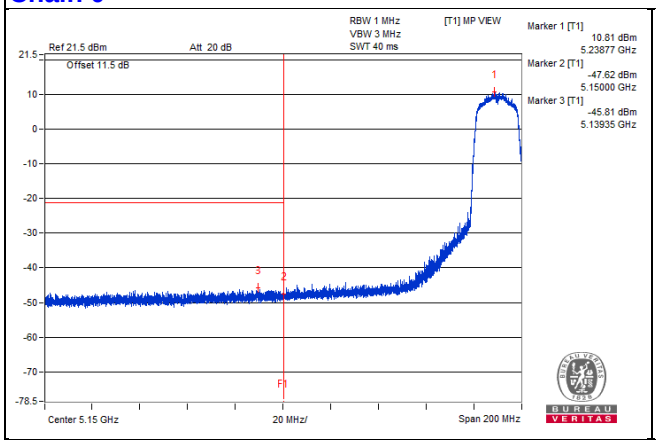
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

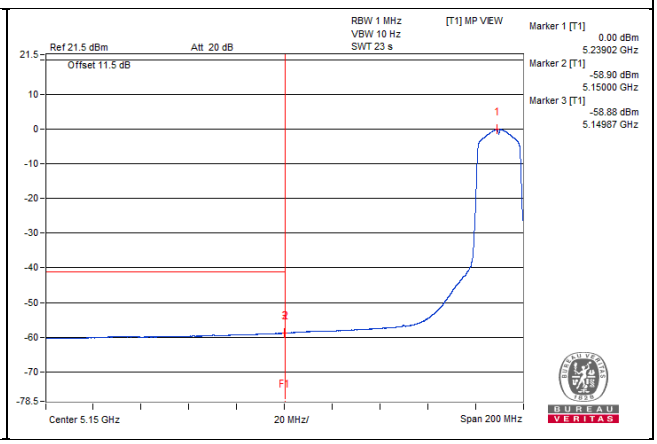
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5241.17 PK	111.25	*		9.57	6.42	15.99
2	5150 PK	54.11	74	-19.89	-47.57	6.42	-41.15
3	5136.4 PK	56.29	74	-17.71	-45.39	6.42	-38.97
4	5239 AV	101.17	*		-0.51	6.42	5.91
5	5150 AV	43.16	54	-10.84	-58.52	6.42	-52.1
6	5148.67 AV	43.19	54	-10.81	-58.49	6.42	-52.07

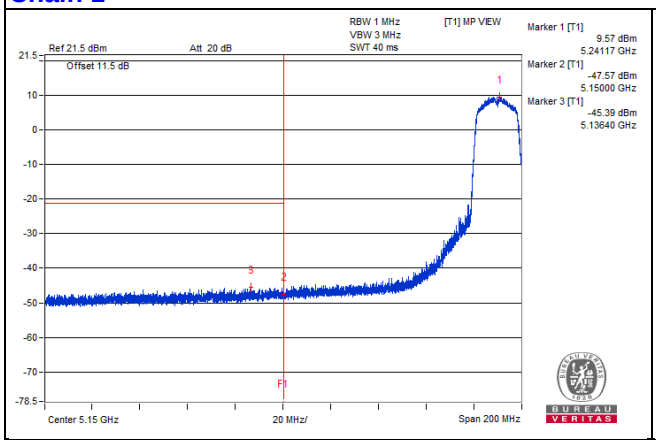
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

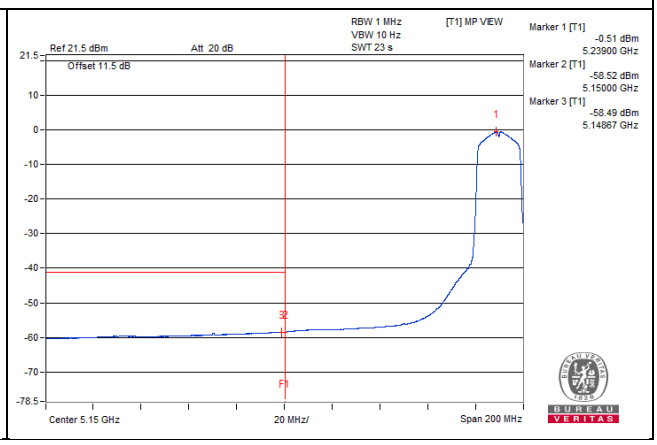
Chain 0





Chain 1





802.11ac (VHT20) - Channel 52

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5262.5 PK	111.03	*		9.11	6.66	15.77
2	3225 PK	54.82	68.2	-13.38	-47.1	6.66	-40.44
3	9990.62 PK	55.09	68.2	-13.11	-46.83	6.66	-40.17
4	24637.75 PK	59.08	68.2	-9.12	-42.84	6.66	-36.18
5	39767.5 PK	59.31	74	-14.69	-42.61	6.66	-35.95
6	5260.93 AV	102.34	*		0.42	6.66	7.08
7	4779.68 AV	38.86	54	-15.14	-63.06	6.66	-56.4
8	7362.5 AV	33.75	54	-20.25	-68.17	6.66	-61.51
9	21617.56 AV	45.47	#		-56.45	6.66	-49.79
10	39705.62 AV	47.9	54	-6.1	-54.02	6.66	-47.36

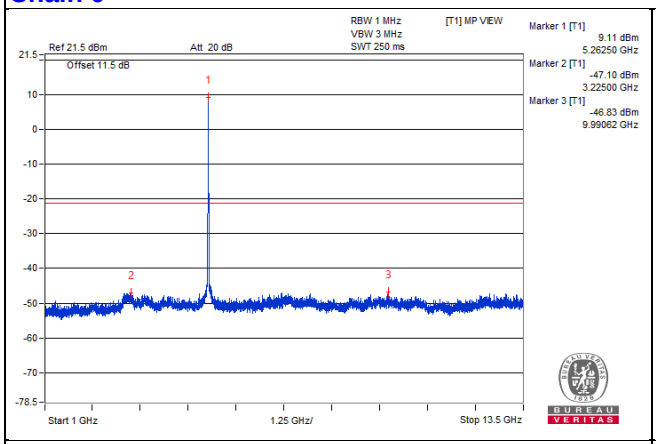
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

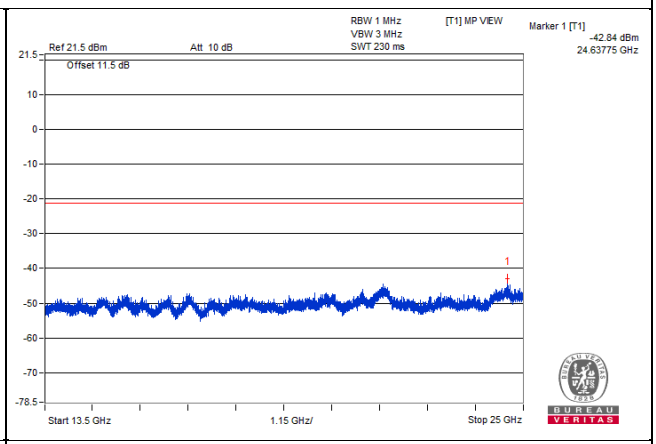
Chain 1

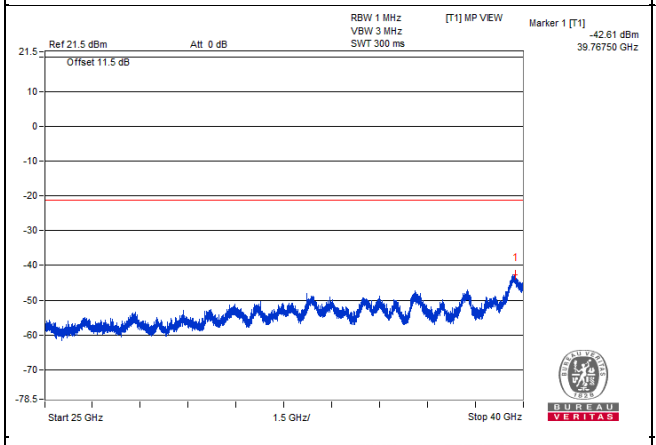
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5259.37 PK	110.96	*		8.95	6.75	15.7
2	3084.37 PK	56.32	68.2	-11.88	-45.69	6.75	-38.94
3	7325 PK	54.89	74	-19.11	-47.12	6.75	-40.37
4	21662.12 PK	57.15	68.2	-11.05	-44.86	6.75	-38.11
5	39737.5 PK	59.4	74	-14.6	-42.61	6.75	-35.86
6	5260.93 AV	101.74	*		-0.27	6.75	6.48
7	5096.87 AV	38.68	54	-15.32	-63.33	6.75	-56.58
8	10520.31 AV	33.27	#		-68.74	6.75	-61.99
9	21657.81 AV	45.37	#		-56.64	6.75	-49.89
10	39713.12 AV	47.48	54	-6.52	-54.53	6.75	-47.78

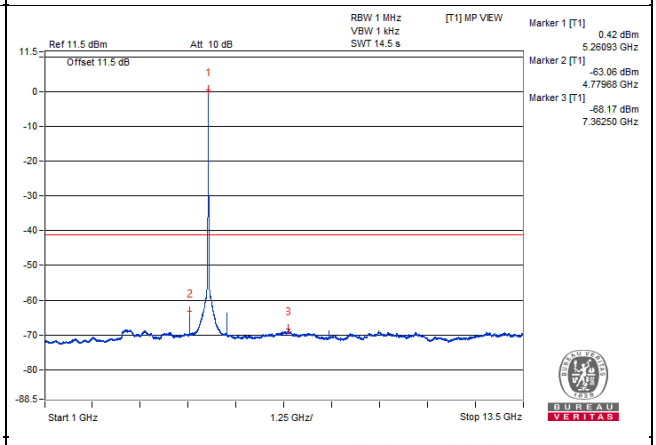
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

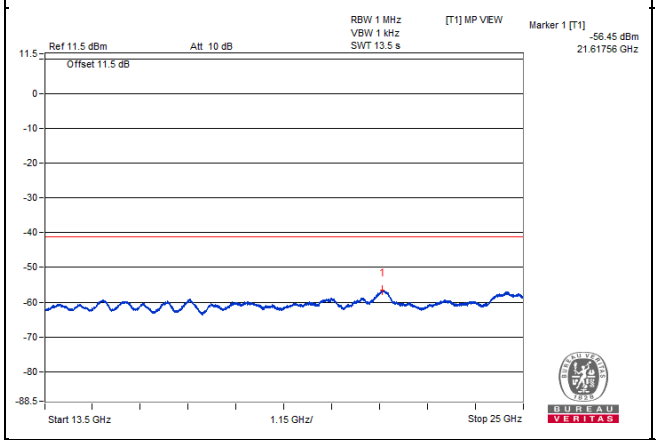
Chain 0

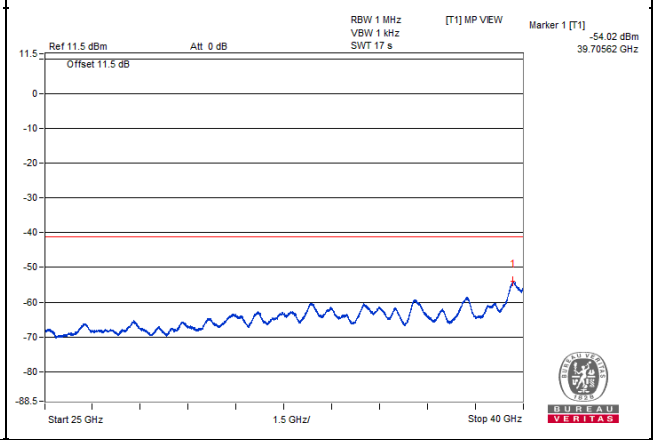

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
9.11 dBm
5.26250 GHz
Marker 2 [T1]
-47.10 dBm
3.22500 GHz
Marker 3 [T1]
-46.83 dBm
9.99062 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-42.84 dBm
24.63775 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

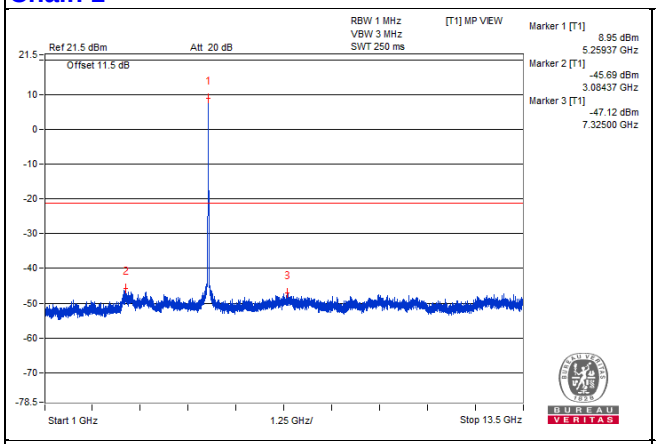

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.61 dBm
39.76750 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

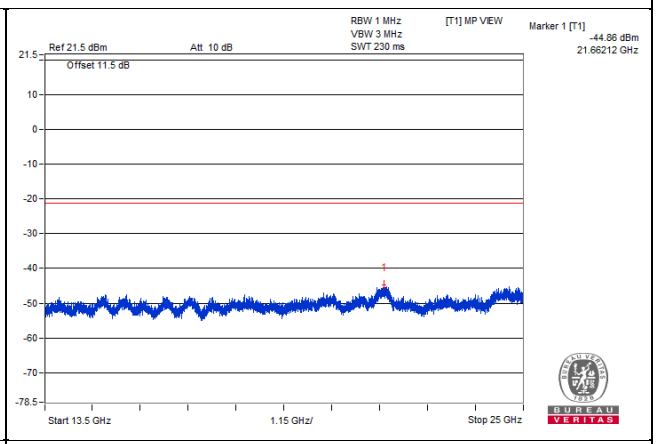

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
0.42 dBm
5.26093 GHz
Marker 2 [T1]
-63.06 dBm
4.77968 GHz
Marker 3 [T1]
-68.17 dBm
7.36250 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

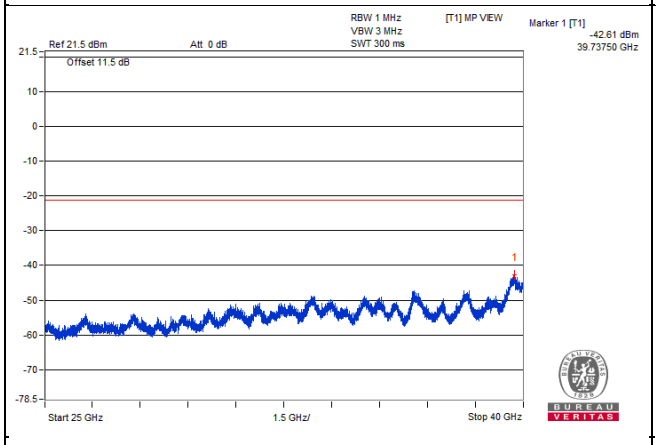

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.45 dBm
21.61756 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

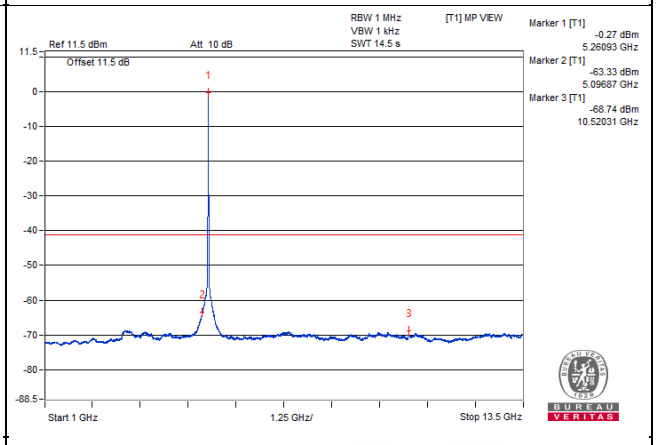

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.02 dBm
39.70562 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

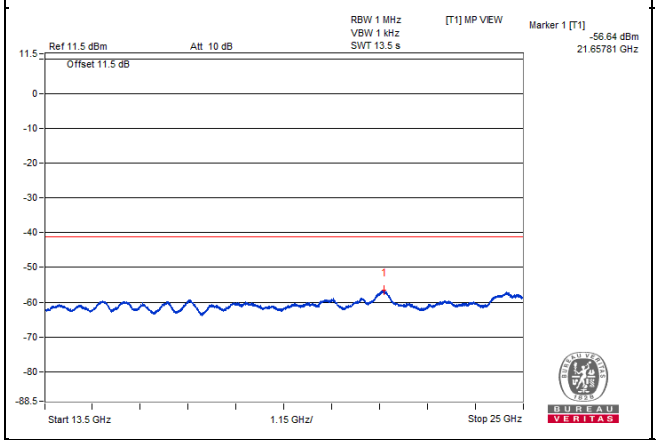
Chain 1

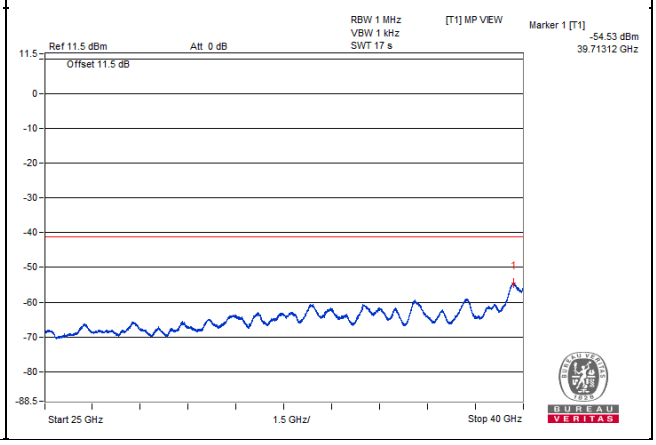

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
8.95 dBm
5.25937 GHz
Marker 2 [T1]
-45.69 dBm
3.08437 GHz
Marker 3 [T1]
-47.12 dBm
7.32500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.86 dBm
21.66212 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.61 dBm
39.73750 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-0.27 dBm
5.26093 GHz
Marker 2 [T1]
-63.33 dBm
5.09687 GHz
Marker 3 [T1]
-68.74 dBm
10.52031 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.64 dBm
21.65781 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.53 dBm
39.71312 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5259.97 PK	112.94	*		11.02	6.66	17.68
2	5350 PK	53.53	74	-20.47	-48.39	6.66	-41.73
3	5364.7 PK	56.67	74	-17.33	-45.25	6.66	-38.59
4	5259 AV	102.06	*		0.14	6.66	6.8
5	5350 AV	43.49	54	-10.51	-58.43	6.66	-51.77
6	5350.15 AV	43.52	54	-10.48	-58.4	6.66	-51.74

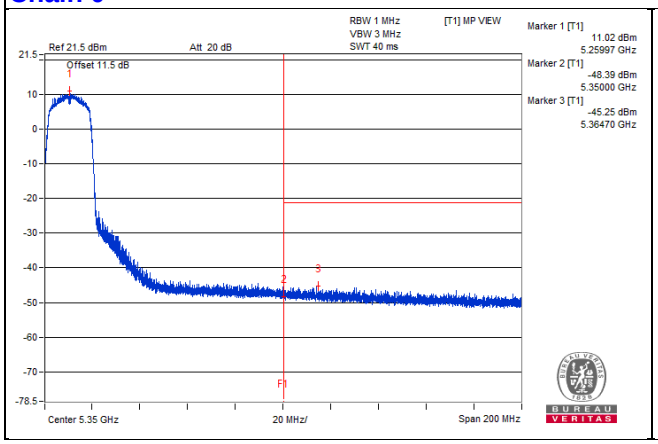
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

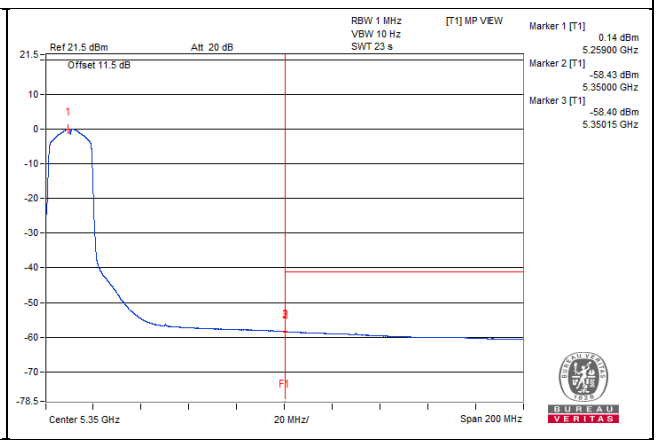
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5260.5 PK	111.77	*		9.94	6.57	16.51
2	5350 PK	53.53	74	-20.47	-48.3	6.57	-41.73
3	5358.55 PK	56.72	74	-17.28	-45.11	6.57	-38.54
4	5258.95 AV	101.41	*		-0.42	6.57	6.15
5	5350 AV	43.23	54	-10.77	-58.6	6.57	-52.03
6	5350.32 AV	43.27	54	-10.73	-58.56	6.57	-51.99

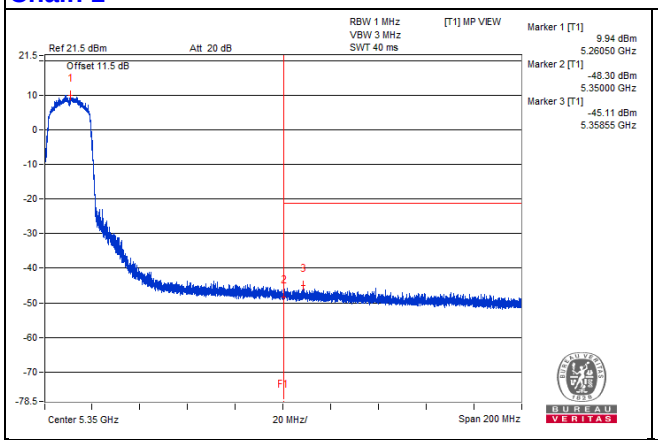
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

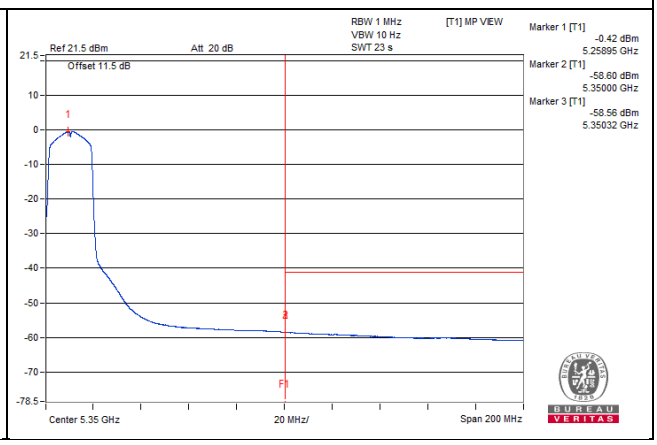
Chain 0





Chain 1





802.11ac (VHT20) - Channel 60

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5298.43 PK	112.08	*		10.16	6.66	16.82
2	3228.12 PK	55.29	68.2	-12.91	-46.63	6.66	-39.97
3	7276.56 PK	54.98	74	-19.02	-46.94	6.66	-40.28
4	21585.93 PK	57.33	68.2	-10.87	-44.59	6.66	-37.93
5	39709.37 PK	60.98	74	-13.02	-40.94	6.66	-34.28
6	5301.56 AV	102.84	*		0.92	6.66	7.58
7	4820.31 AV	38.14	54	-15.86	-63.78	6.66	-57.12
8	5779.68 AV	38.68	#		-63.24	6.66	-56.58
9	21670.75 AV	45.37	#		-56.55	6.66	-49.89
10	39737.5 AV	47.68	54	-6.32	-54.24	6.66	-47.58

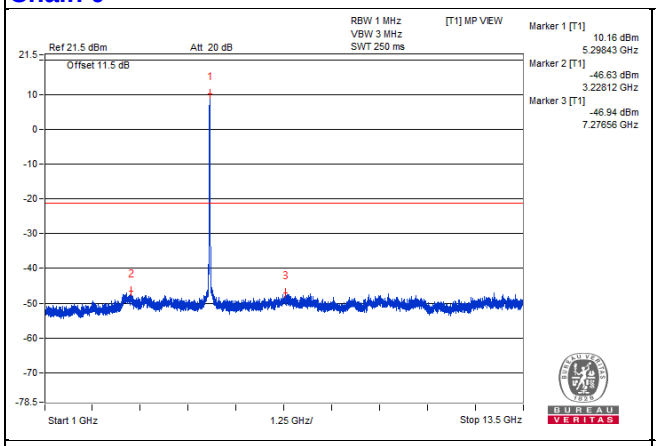
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

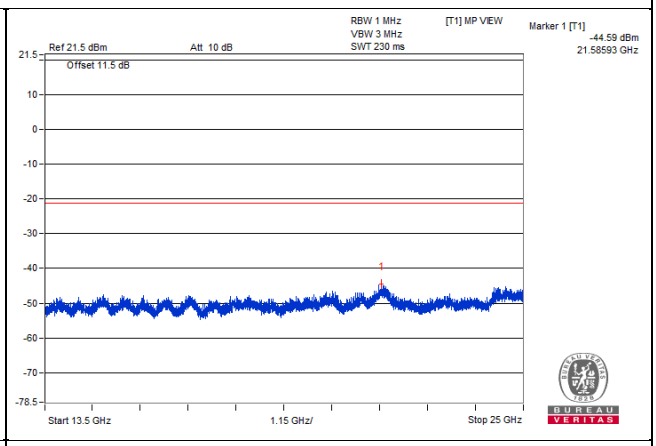
Chain 1

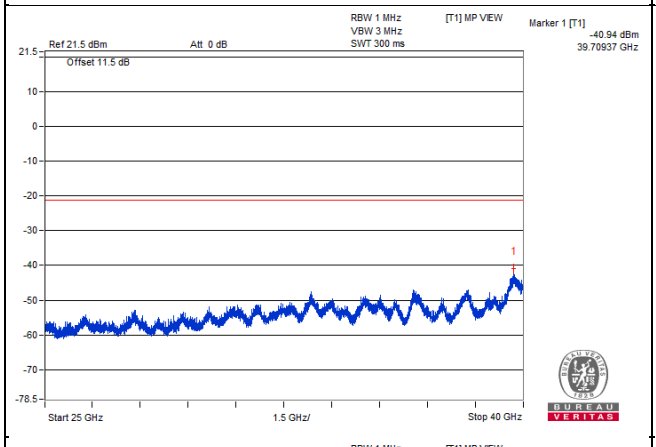
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5301.56 PK	110.42	*		8.41	6.75	15.16
2	3157.81 PK	55.39	68.2	-12.81	-46.62	6.75	-39.87
3	13382.81 PK	54.72	74	-19.28	-47.29	6.75	-40.54
4	21594.56 PK	57.8	68.2	-10.4	-44.21	6.75	-37.46
5	39677.5 PK	59.16	74	-14.84	-42.85	6.75	-36.1
6	5298.43 AV	102.56	*		0.55	6.75	7.3
7	5098.43 AV	36.54	54	-17.46	-65.47	6.75	-58.72
8	10600 AV	33.95	54	-20.05	-68.06	6.75	-61.31
9	21647.75 AV	45.6	#		-56.41	6.75	-49.66
10	39703.75 AV	47.49	54	-6.51	-54.52	6.75	-47.77

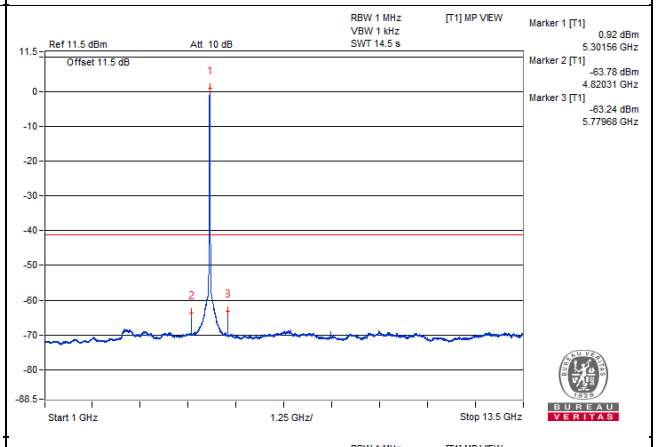
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

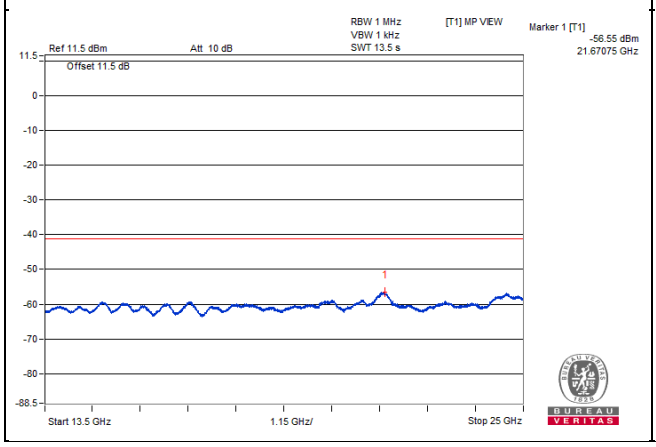
Chain 0

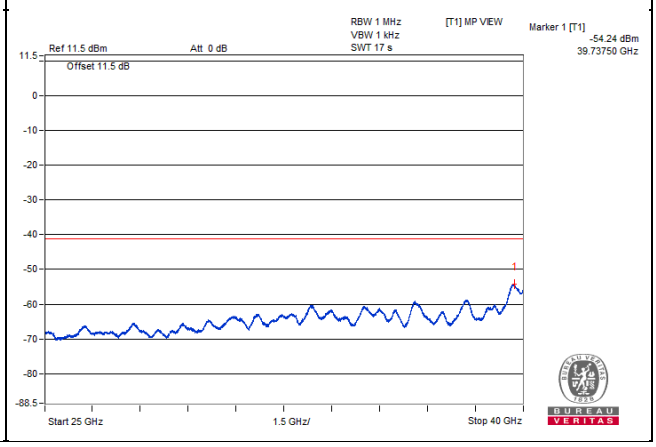

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
10.16 dBm
5.29843 GHz
Marker 2 [T1]
-46.63 dBm
3.22812 GHz
Marker 3 [T1]
-46.94 dBm
7.27656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.59 dBm
21.58593 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

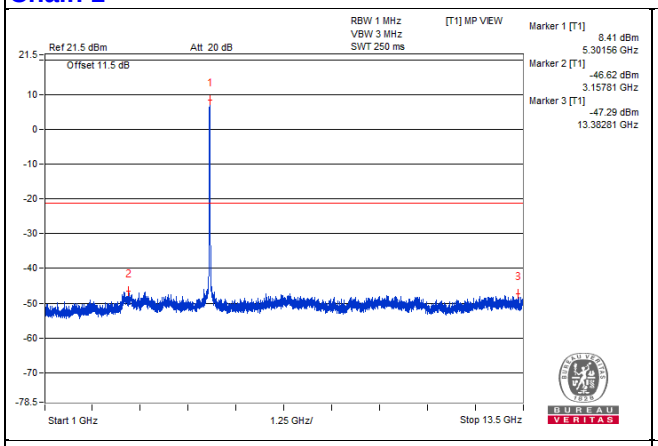

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-40.94 dBm
39.70937 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

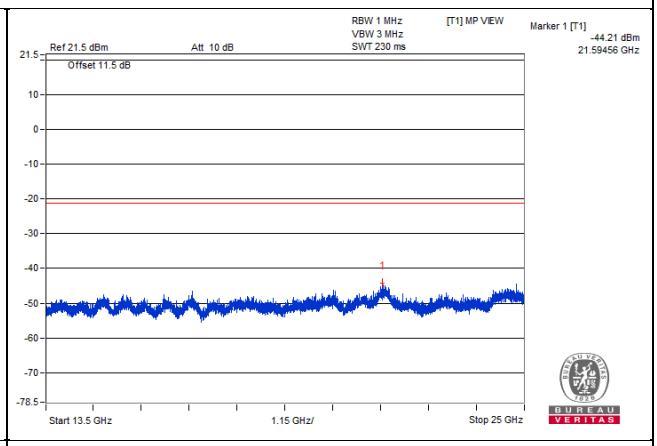

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
0.92 dBm
5.30156 GHz
Marker 2 [T1]
-63.78 dBm
4.82031 GHz
Marker 3 [T1]
-63.24 dBm
5.77968 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

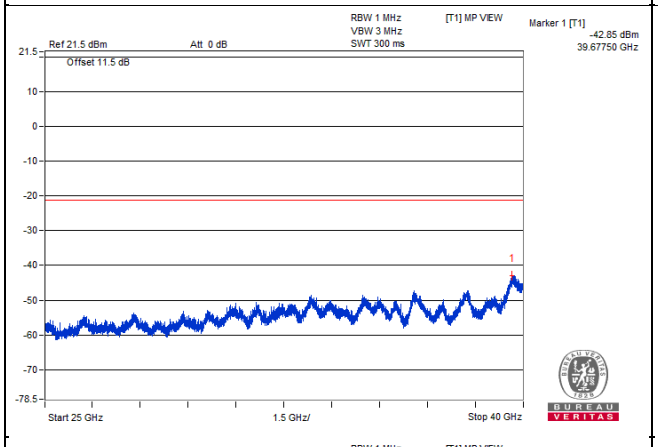

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.55 dBm
21.67075 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

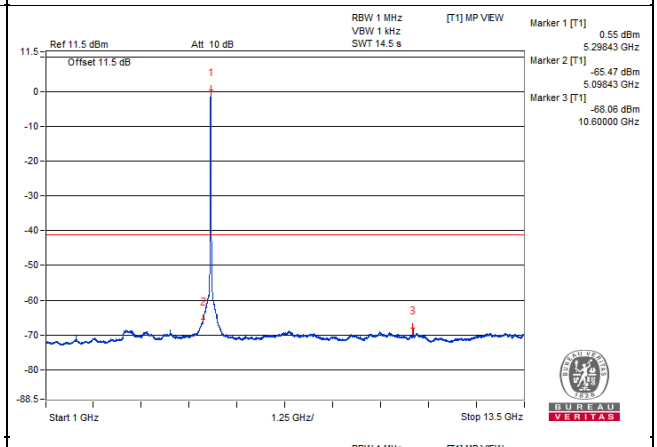

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.24 dBm
39.73750 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

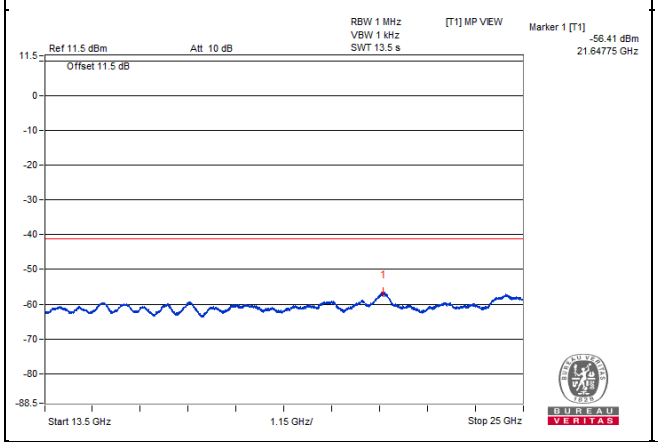
Chain 1

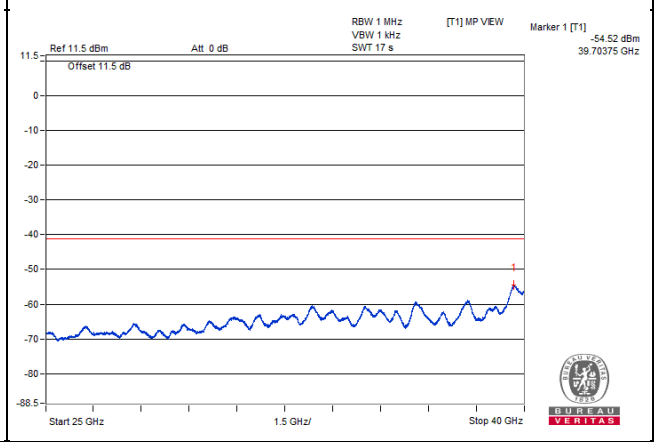

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
8.41 dBm
5.30156 GHz
Marker 2 [T1]
-46.62 dBm
3.15781 GHz
Marker 3 [T1]
-47.29 dBm
13.38281 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.21 dBm
21.59456 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.85 dBm
39.67750 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
0.55 dBm
5.29843 GHz
Marker 2 [T1]
-65.47 dBm
5.09843 GHz
Marker 3 [T1]
-68.06 dBm
10.60000 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.41 dBm
21.64775 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.52 dBm
39.70375 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5301.32 PK	113.32	*		11.4	6.66	18.06
2	5350 PK	55.44	74	-18.56	-46.48	6.66	-39.82
3	5352.45 PK	58.15	74	-15.85	-43.77	6.66	-37.11
4	5299 AV	102.58	*		0.66	6.66	7.32
5	5350 AV	44.66	54	-9.34	-57.26	6.66	-50.6
6	5350.2 AV	44.69	54	-9.31	-57.23	6.66	-50.57

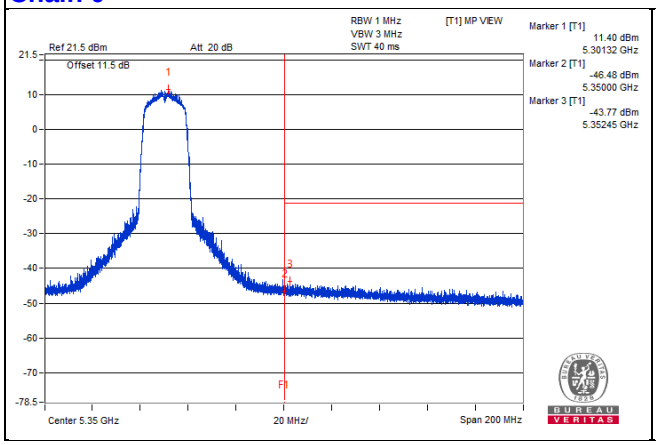
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

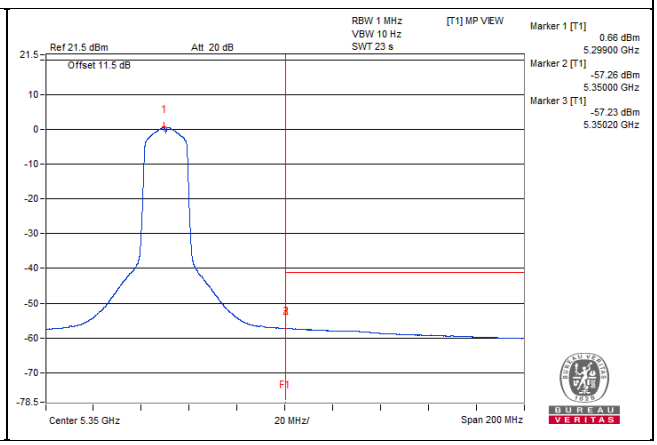
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5299.97 PK	112.69	*		10.86	6.57	17.43
2	5350 PK	55.43	74	-18.57	-46.4	6.57	-39.83
3	5363.42 PK	57.93	74	-16.07	-43.9	6.57	-37.33
4	5300.87 AV	101.9	*		0.07	6.57	6.64
5	5350 AV	44.61	54	-9.39	-57.22	6.57	-50.65
6	5350.15 AV	44.63	54	-9.37	-57.2	6.57	-50.63

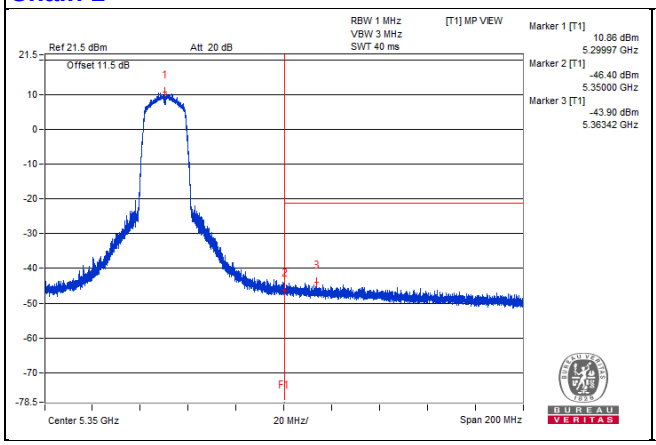
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

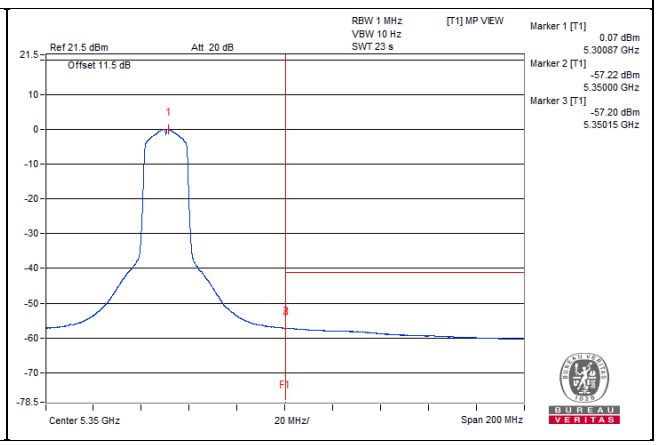
Chain 0





Chain 1





802.11ac (VHT20) - Channel 64

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5320.31 PK	111.62	*		9.7	6.66	16.36
2	3250 PK	55.3	68.2	-12.9	-46.62	6.66	-39.96
3	10792.18 PK	55.57	74	-18.43	-46.35	6.66	-39.69
4	21652.06 PK	57.91	68.2	-10.29	-44.01	6.66	-37.35
5	39688.75 PK	59.61	74	-14.39	-42.31	6.66	-35.65
6	5318.75 AV	102.67	*		0.75	6.66	7.41
7	4839.06 AV	38.84	54	-15.16	-63.08	6.66	-56.42
8	5800 AV	38.25	#		-63.67	6.66	-57.01
9	21656.37 AV	45.45	#		-56.47	6.66	-49.81
10	39718.75 AV	47.81	54	-6.19	-54.11	6.66	-47.45

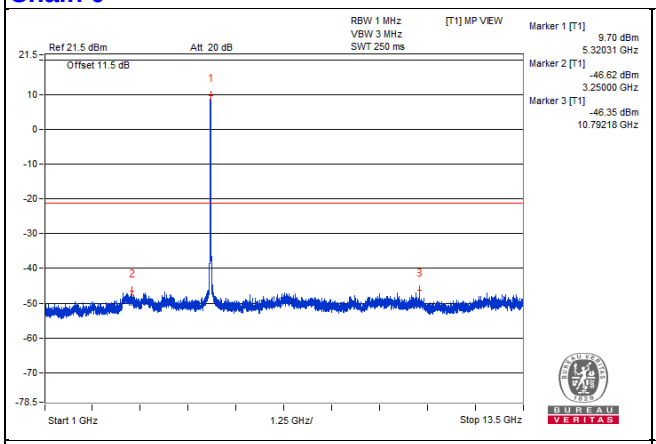
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

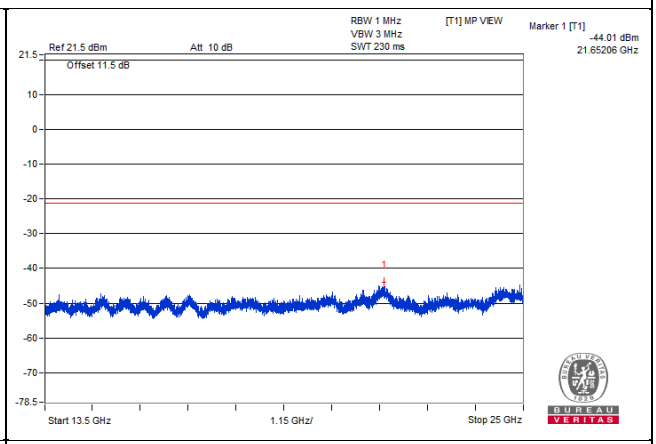
Chain 1

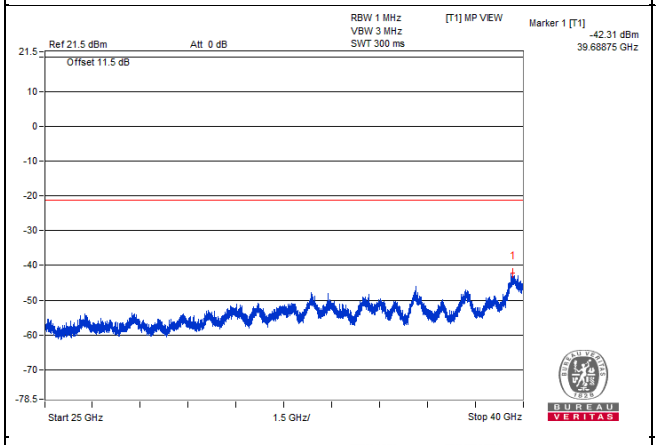
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5318.75 PK	110.93	*		8.92	6.75	15.67
2	3260.93 PK	55.28	74	-18.72	-46.73	6.75	-39.98
3	7178.12 PK	55.31	68.2	-12.89	-46.7	6.75	-39.95
4	21604.62 PK	57.6	68.2	-10.6	-44.41	6.75	-37.66
5	39761.87 PK	58.88	74	-15.12	-43.13	6.75	-36.38
6	5320.31 AV	101.82	*		-0.19	6.75	6.56
7	5100 AV	35.59	54	-18.41	-66.42	6.75	-59.67
8	10637.5 AV	33.7	54	-20.3	-68.31	6.75	-61.56
9	21634.81 AV	45.52	#		-56.49	6.75	-49.74
10	39720.62 AV	47.6	54	-6.4	-54.41	6.75	-47.66

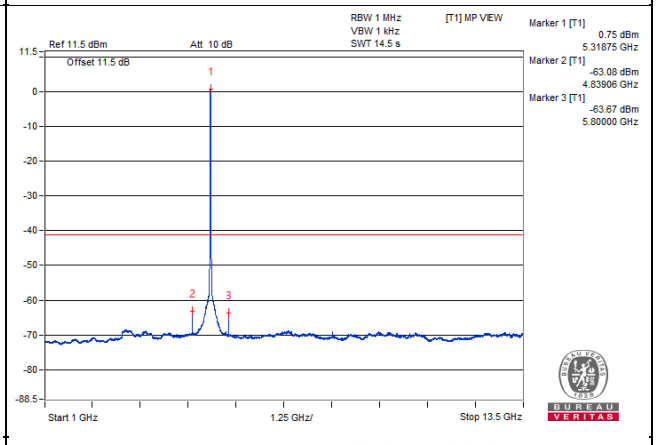
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

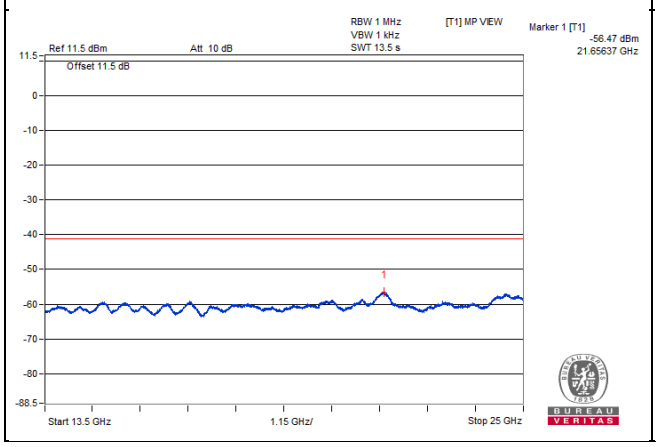
Chain 0

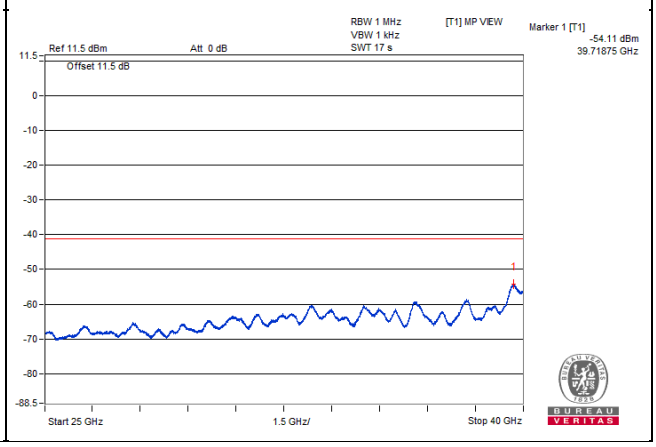

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
9.70 dBm
5.32031 GHz
Marker 2 [T1]
-46.62 dBm
3.25000 GHz
Marker 3 [T1]
-46.35 dBm
10.79218 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.01 dBm
21.65206 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

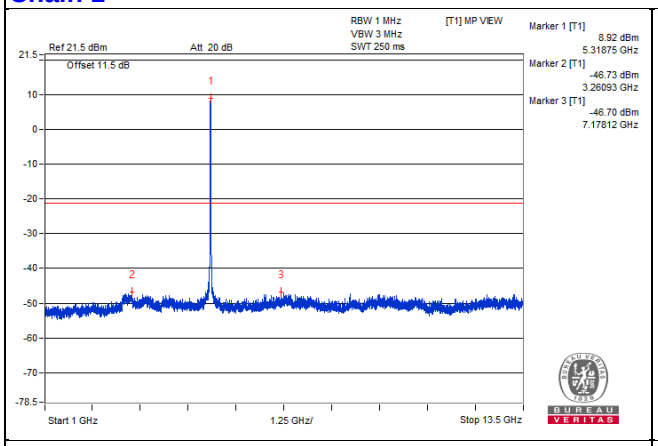

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.31 dBm
39.68875 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

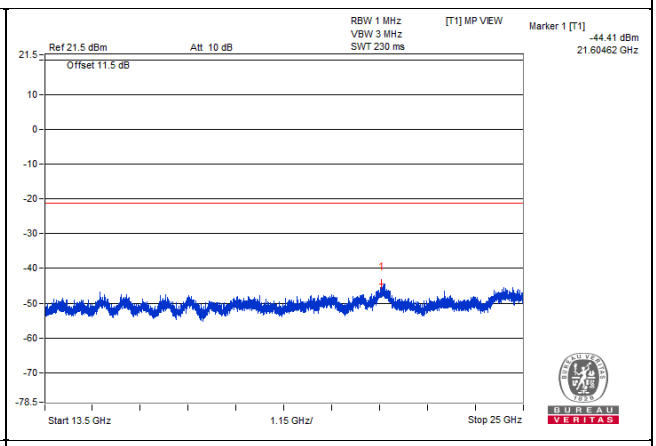

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
0.75 dBm
5.31875 GHz
Marker 2 [T1]
-63.08 dBm
4.83906 GHz
Marker 3 [T1]
-63.67 dBm
5.80000 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

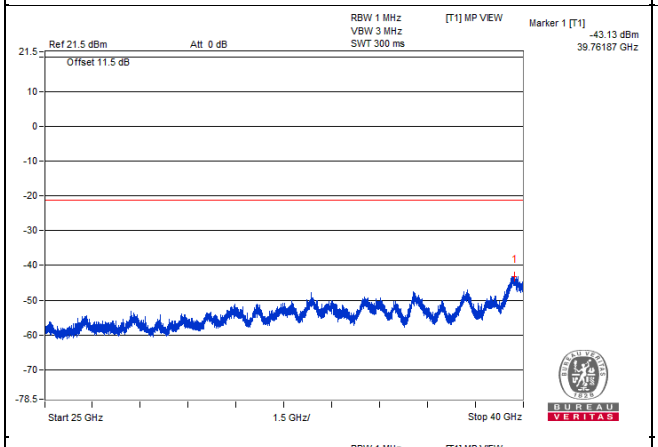

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.47 dBm
21.65637 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

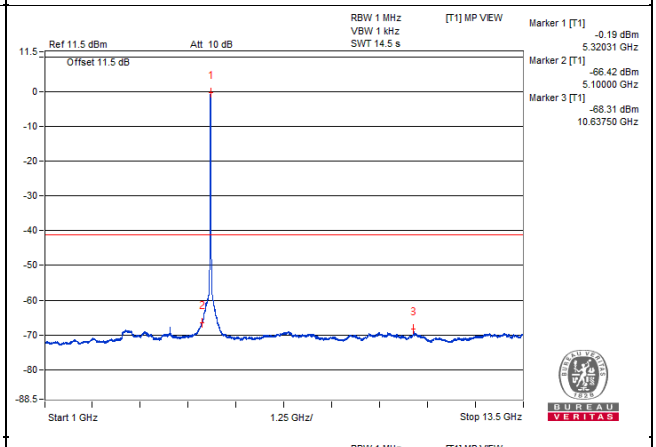

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.11 dBm
39.71875 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

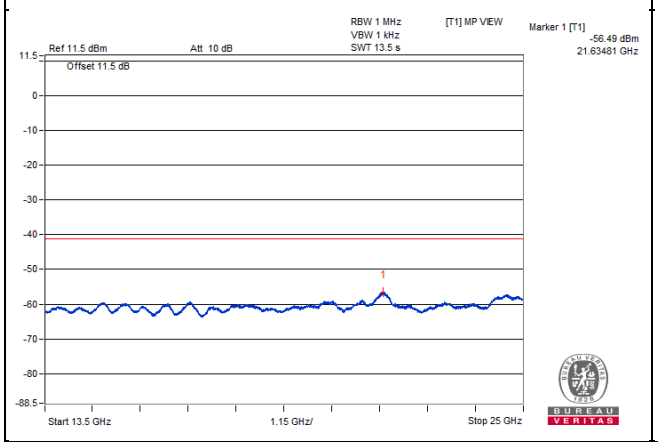
Chain 1

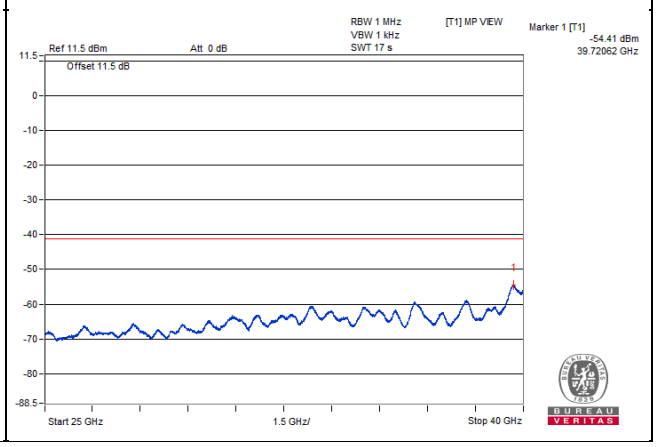

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
8.92 dBm
5.31875 GHz
Marker 2 [T1]
-46.73 dBm
3.26093 GHz
Marker 3 [T1]
-46.70 dBm
7.17812 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.41 dBm
21.60462 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-43.13 dBm
39.76187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-0.19 dBm
5.32031 GHz
Marker 2 [T1]
-66.42 dBm
5.10000 GHz
Marker 3 [T1]
-68.31 dBm
10.63750 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.49 dBm
21.63481 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.41 dBm
39.72062 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5319.8 PK	113.23	*		11.31	6.66	17.97
2	5350 PK	62.65	74	-11.35	-39.27	6.66	-32.61
3	5350 PK	62.65	74	-11.35	-39.27	6.66	-32.61
4	5319.02 AV	102.51	*		0.59	6.66	7.25
5	5350 AV	47.49	54	-6.51	-54.43	6.66	-47.77
6	5350 AV	47.49	54	-6.51	-54.43	6.66	-47.77

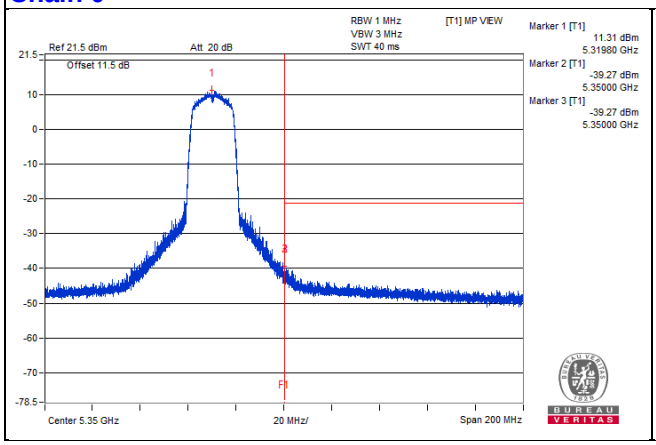
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

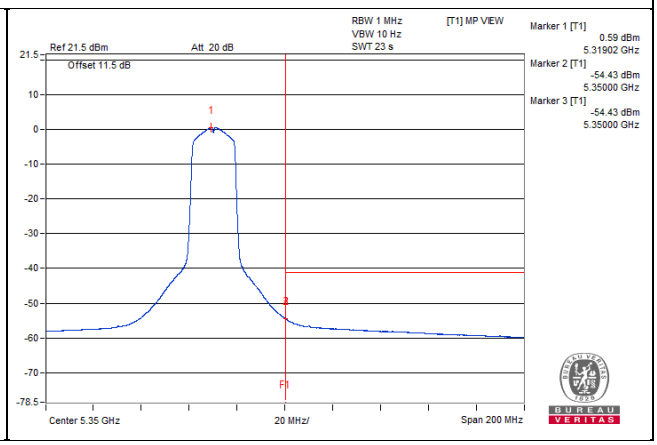
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5321.87 PK	112.34	*		10.51	6.57	17.08
2	5350 PK	58.65	74	-15.35	-43.18	6.57	-36.61
3	5350.17 PK	62.7	74	-11.3	-39.13	6.57	-32.56
4	5319.05 AV	101.43	*		-0.4	6.57	6.17
5	5350 AV	47.33	54	-6.67	-54.5	6.57	-47.93
6	5350 AV	47.33	54	-6.67	-54.5	6.57	-47.93

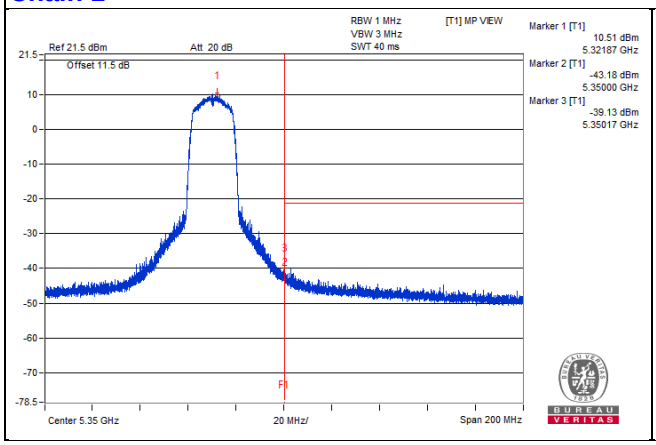
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

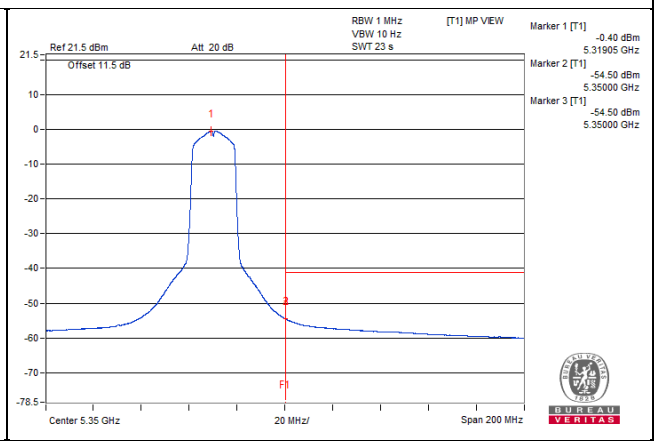
Chain 0





Chain 1





802.11ac (VHT20) - Channel 100

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5498.43 PK	110.52	*		8.6	6.66	15.26
2	3078.12 PK	55.37	68.2	-12.83	-46.55	6.66	-39.89
3	9857.81 PK	55.11	68.2	-13.09	-46.81	6.66	-40.15
4	21518.37 PK	58.17	68.2	-10.03	-43.75	6.66	-37.09
5	39722.5 PK	61.11	74	-12.89	-40.81	6.66	-34.15
6	5501.56 AV	101.75	*		-0.17	6.66	6.49
7	5020.31 AV	39.22	54	-14.78	-62.7	6.66	-56.04
8	5979.68 AV	39.95	#		-61.97	6.66	-55.31
9	21656.37 AV	45.43	#		-56.49	6.66	-49.83
10	39701.87 AV	47.73	54	-6.27	-54.19	6.66	-47.53

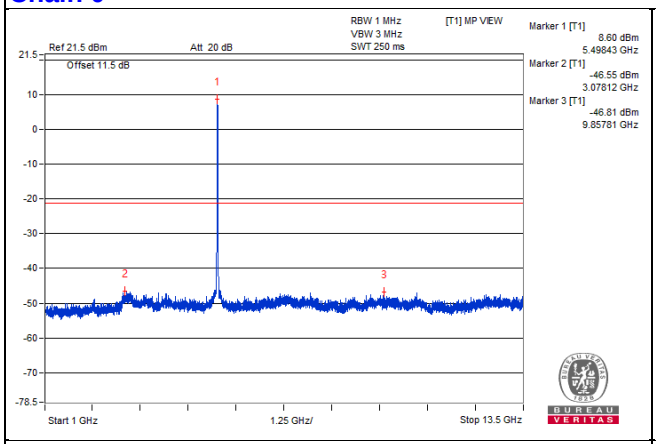
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

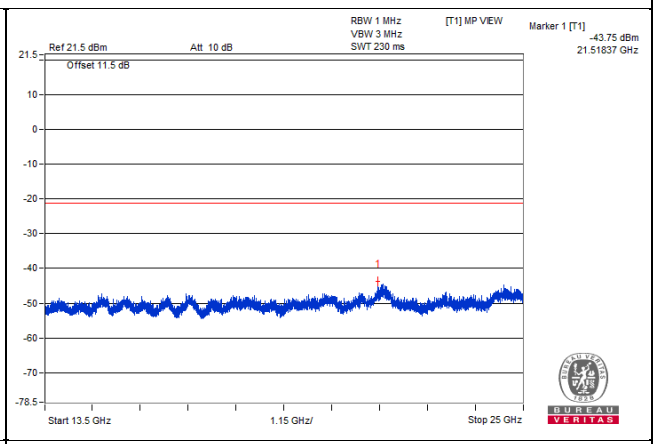
Chain 1

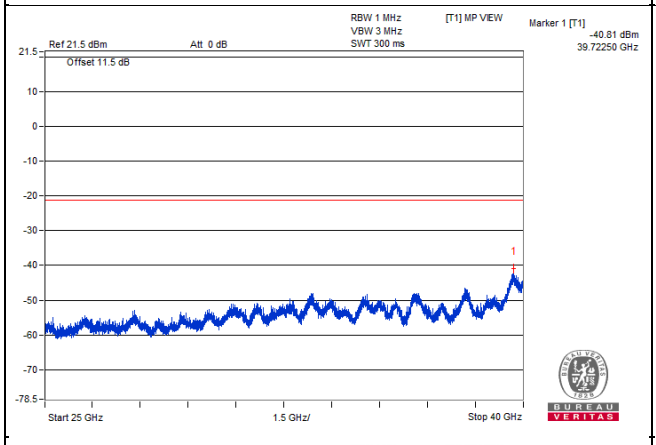
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5496.87 PK	108.87	*		6.86	6.75	13.61
2	3229.68 PK	55.02	68.2	-13.18	-46.99	6.75	-40.24
3	7243.75 PK	55.01	68.2	-13.19	-47	6.75	-40.25
4	24919.5 PK	58.2	68.2	-10	-43.81	6.75	-37.06
5	39731.87 PK	58.94	74	-15.06	-43.07	6.75	-36.32
6	5500 AV	100.65	*		-1.36	6.75	5.39
7	4400 AV	35.24	54	-18.76	-66.77	6.75	-60.02
8	5779.68 AV	33.2	#		-68.81	6.75	-62.06
9	21617.56 AV	45.34	#		-56.67	6.75	-49.92
10	39748.75 AV	47.47	54	-6.53	-54.54	6.75	-47.79

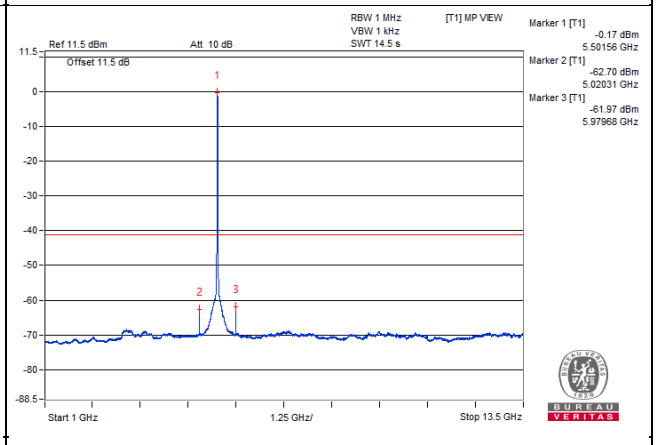
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

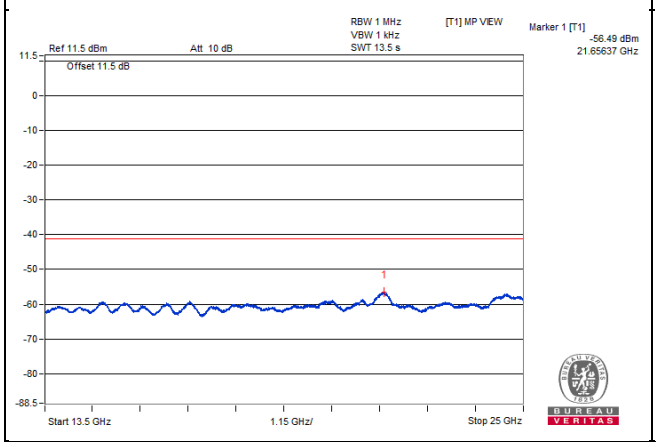
Chain 0

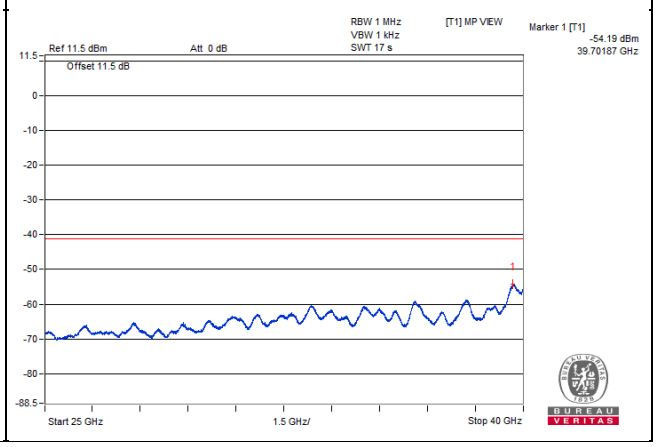

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
8.60 dBm
5.49843 GHz
Marker 2 [T1]
-46.55 dBm
3.07812 GHz
Marker 3 [T1]
-46.81 dBm
9.85781 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-43.75 dBm
21.51837 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

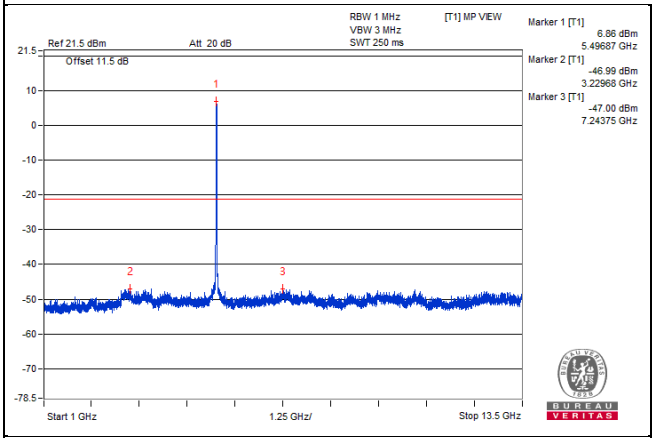

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-40.81 dBm
39.72250 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

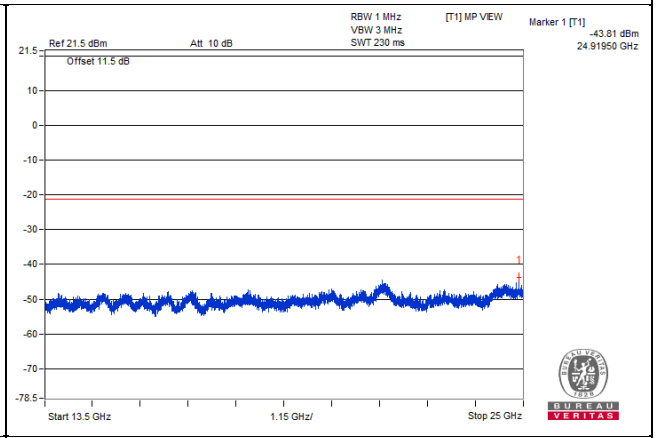

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-0.17 dBm
5.50156 GHz
Marker 2 [T1]
-62.70 dBm
5.02031 GHz
Marker 3 [T1]
-61.97 dBm
5.97968 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

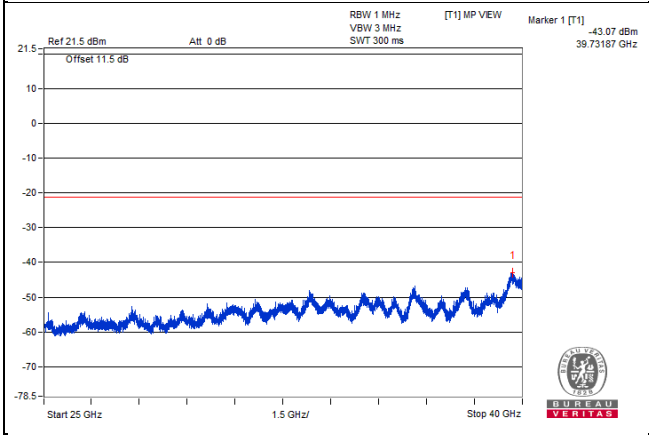

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.49 dBm
21.65637 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

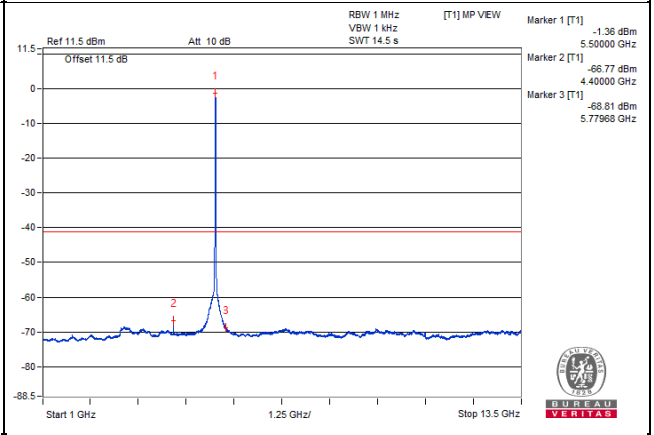

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.19 dBm
39.70187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

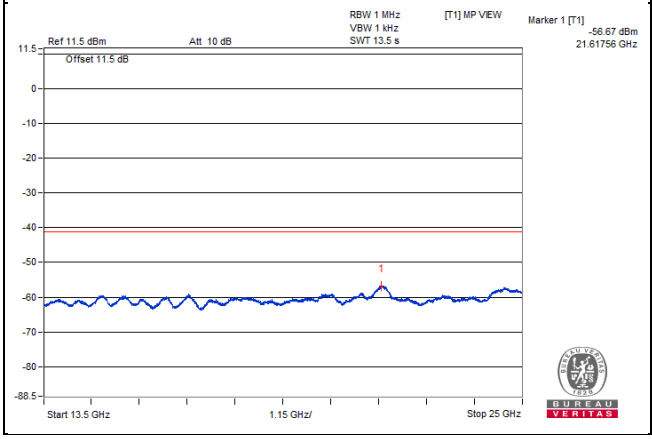
Chain 1

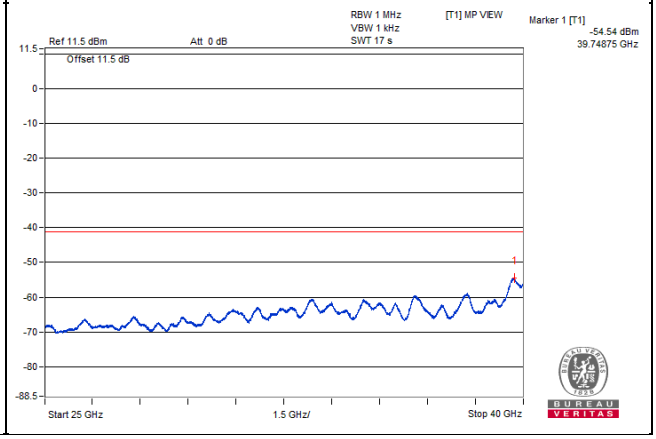

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
6.86 dBm
5.49687 GHz
Marker 2 [T1]
-46.99 dBm
3.22968 GHz
Marker 3 [T1]
-47.00 dBm
7.24375 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-43.81 dBm
24.91950 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-43.07 dBm
39.73187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-1.36 dBm
5.50000 GHz
Marker 2 [T1]
-66.77 dBm
4.40000 GHz
Marker 3 [T1]
-68.81 dBm
5.77968 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.67 dBm
21.61756 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.54 dBm
39.74875 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5497.93 PK	111.32	*		9.83	6.23	16.06
2	5470 PK	59.41	68.2	-8.79	-42.08	6.23	-35.85
3	5467.03 PK	62.18	68.2	-6.02	-39.31	6.23	-33.08
4	5499.09 AV	101.29	*		-0.2	6.23	6.03
5	5470 AV	46.96	#		-54.53	6.23	-48.3
6	5470 AV	46.96	#		-54.53	6.23	-48.3

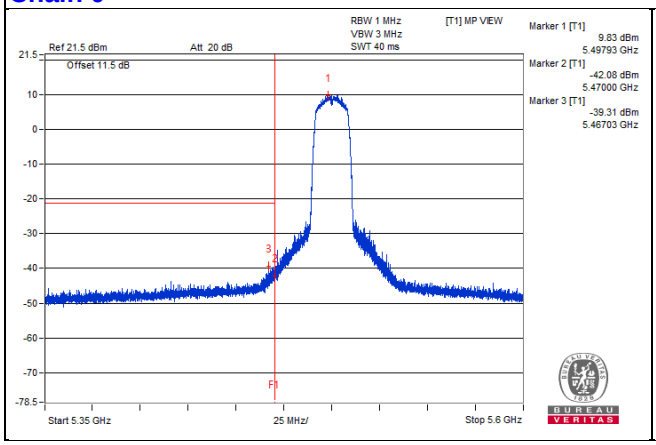
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

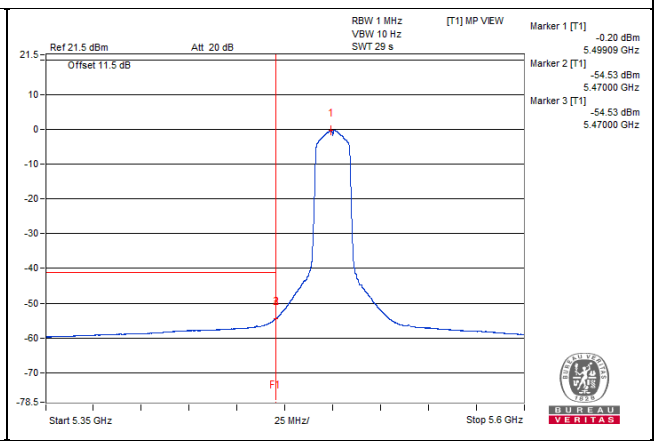
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5499.78 PK	111.4	*		9.39	6.75	16.14
2	5470 PK	58.99	68.2	-9.21	-43.02	6.75	-36.27
3	5466.53 PK	61.06	68.2	-7.14	-40.95	6.75	-34.2
4	5500.87 AV	100.65	*		-1.36	6.75	5.39
5	5470 AV	47.16	#		-54.85	6.75	-48.1
6	5470 AV	47.16	#		-54.85	6.75	-48.1

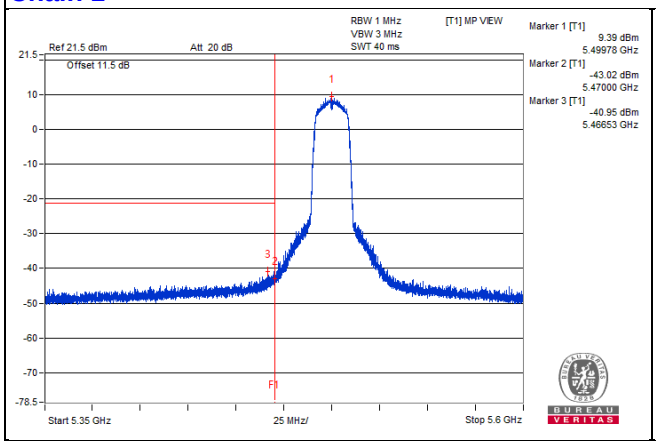
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

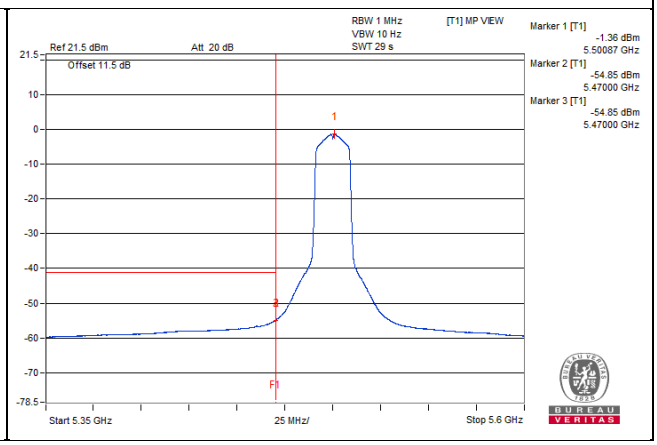
Chain 0





Chain 1





802.11ac (VHT20) - Channel 116

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5579.68 PK	110.54	*		8.62	6.66	15.28
2	3143.75 PK	55.25	68.2	-12.95	-46.67	6.66	-40.01
3	10707.81 PK	55.25	74	-18.75	-46.67	6.66	-40.01
4	24619.06 PK	57.52	68.2	-10.68	-44.4	6.66	-37.74
5	39724.37 PK	59.3	74	-14.7	-42.62	6.66	-35.96
6	5581.25 AV	101.99	*		0.07	6.66	6.73
7	5100 AV	38.06	54	-15.94	-63.86	6.66	-57.2
8	6059.37 AV	39.95	#		-61.97	6.66	-55.31
9	21650.62 AV	45.38	#		-56.54	6.66	-49.88
10	39709.37 AV	47.65	54	-6.35	-54.27	6.66	-47.61

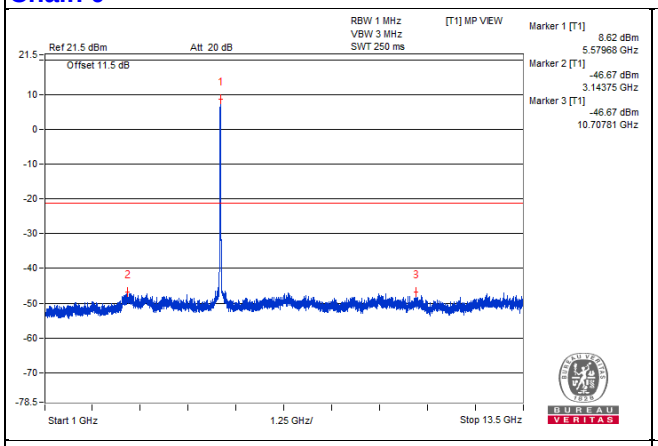
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

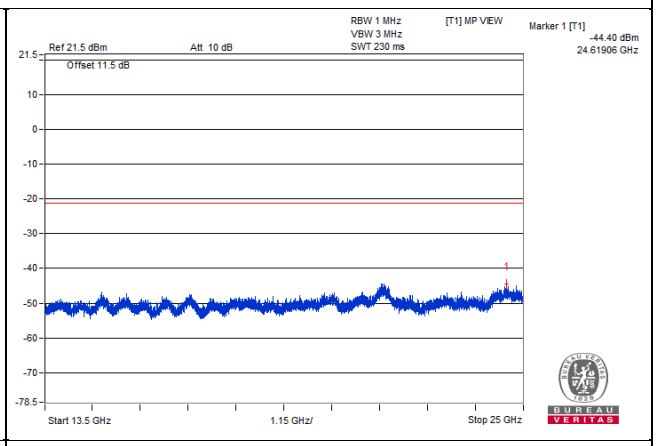
Chain 1

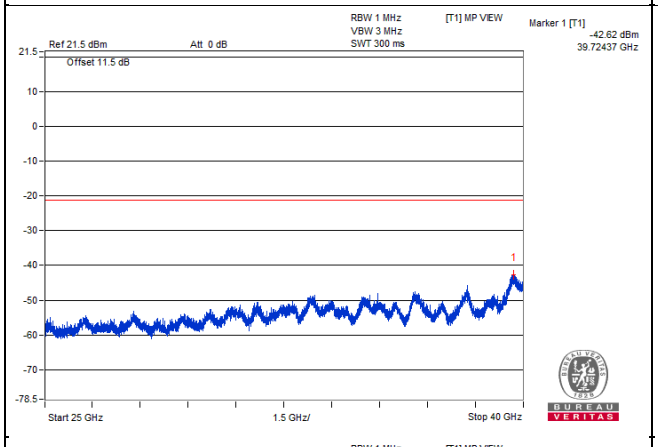
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5581.25 PK	109.47	*		7.46	6.75	14.21
2	3757.81 PK	55.72	74	-18.28	-46.29	6.75	-39.54
3	12745.31 PK	55.09	68.2	-13.11	-46.92	6.75	-40.17
4	24620.5 PK	57.54	68.2	-10.66	-44.47	6.75	-37.72
5	39720.62 PK	59.74	74	-14.26	-42.27	6.75	-35.52
6	5581.25 AV	100.73	*		-1.28	6.75	5.47
7	4464.06 AV	35.59	#		-66.42	6.75	-59.67
8	5775 AV	35.38	#		-66.63	6.75	-59.88
9	21659.25 AV	45.35	#		-56.66	6.75	-49.91
10	39754.37 AV	47.65	54	-6.35	-54.36	6.75	-47.61

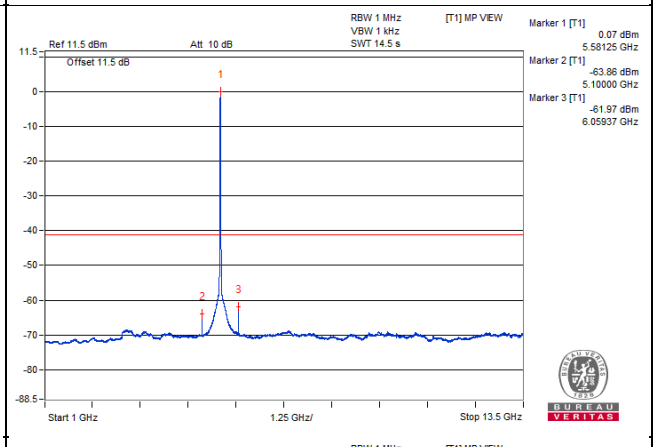
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

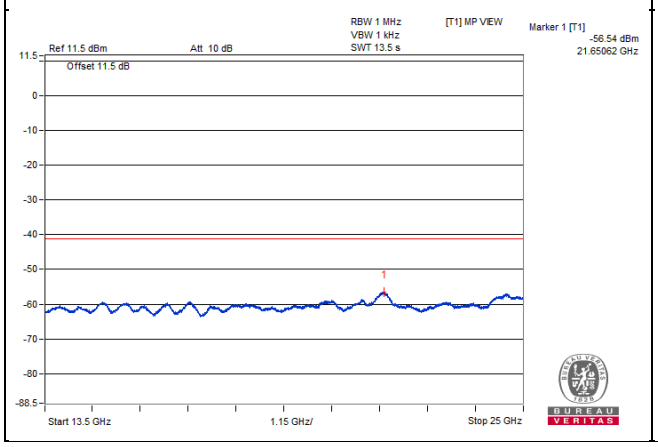
Chain 0

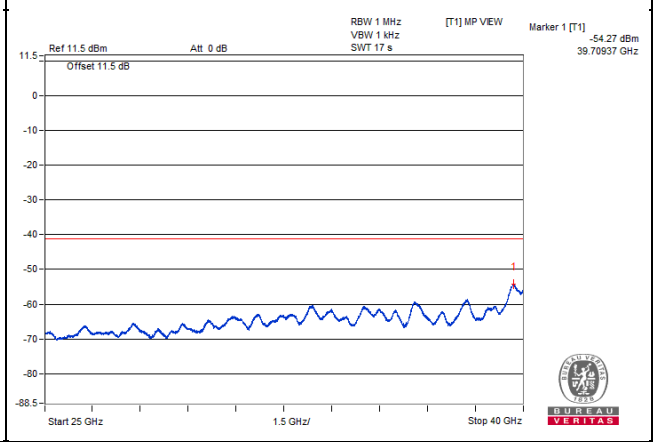

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
8.62 dBm
5.57968 GHz
Marker 2 [T1]
-46.67 dBm
3.14375 GHz
Marker 3 [T1]
-46.67 dBm
10.70781 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.40 dBm
24.61906 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

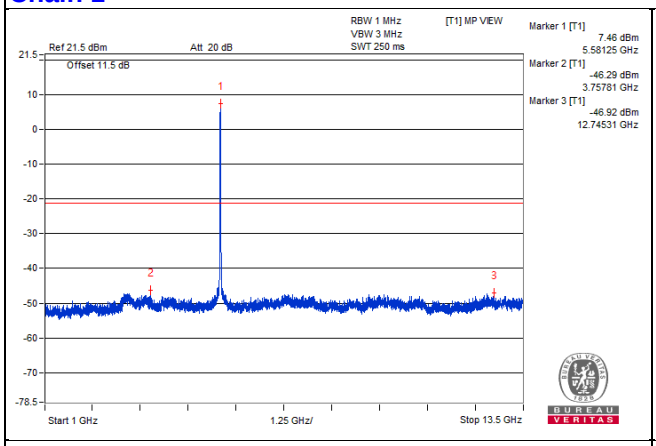

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.62 dBm
39.72437 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

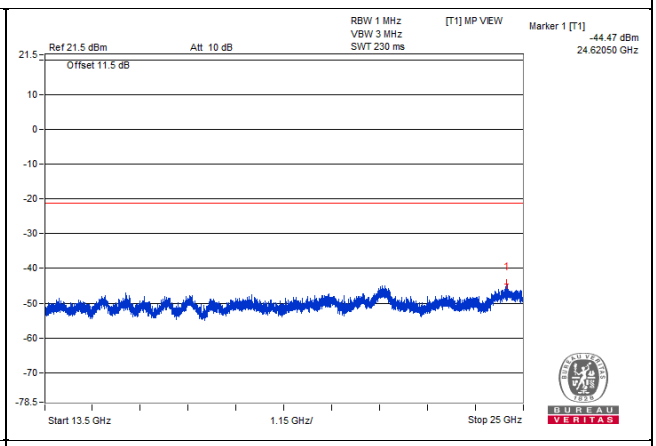

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
0.07 dBm
5.58125 GHz
Marker 2 [T1]
-63.86 dBm
5.10000 GHz
Marker 3 [T1]
-61.97 dBm
6.05937 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

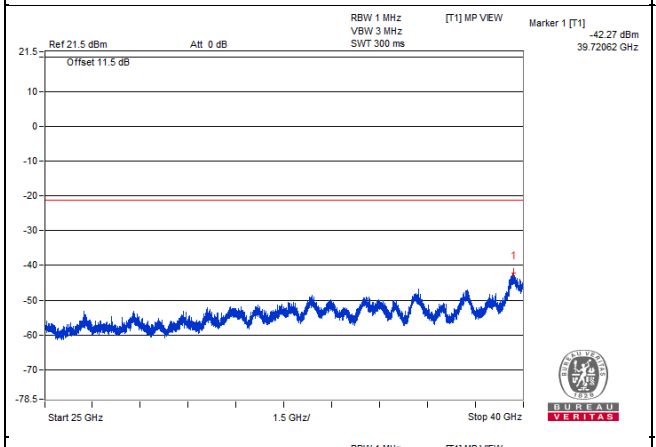

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.54 dBm
21.65062 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

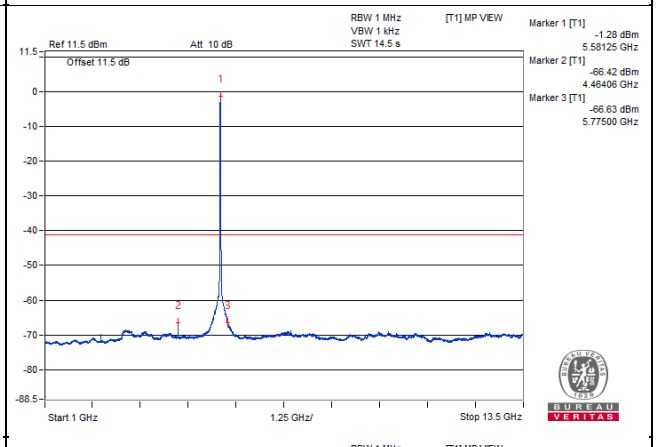

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.27 dBm
39.70937 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

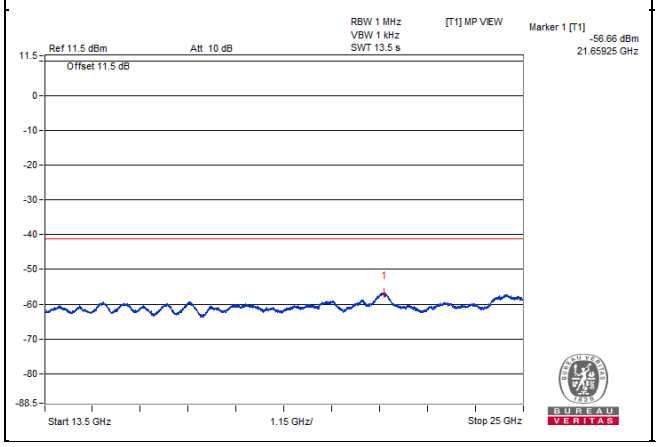
Chain 1

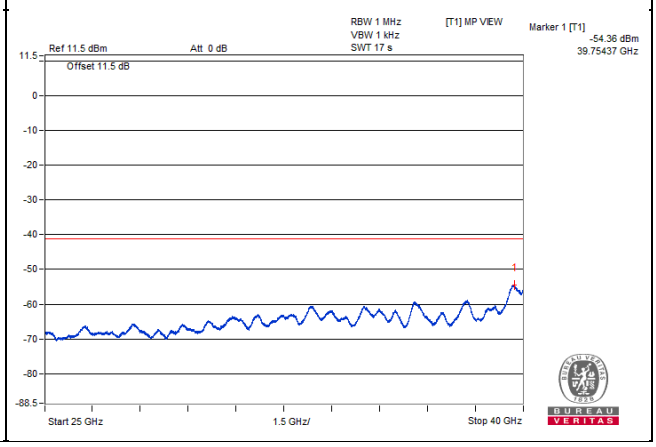

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
7.46 dBm
5.58125 GHz
Marker 2 [T1]
-46.29 dBm
3.75781 GHz
Marker 3 [T1]
-46.92 dBm
12.74531 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.47 dBm
24.62050 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.27 dBm
39.72062 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-1.28 dBm
5.58125 GHz
Marker 2 [T1]
-66.42 dBm
4.46406 GHz
Marker 3 [T1]
-66.63 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.66 dBm
21.65925 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.36 dBm
39.75437 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5577.43 PK	111.94	*		10.45	6.23	16.68
2	5470 PK	53.98	68.2	-14.22	-47.51	6.23	-41.28
3	5434.18 PK	55.51	74	-18.49	-45.98	6.23	-39.75
4	5580.87 AV	101.47	*		-0.02	6.23	6.21
5	5470 AV	42.49	#		-59	6.23	-52.77
6	5459.96 AV	42.68	54	-11.32	-58.81	6.23	-52.58

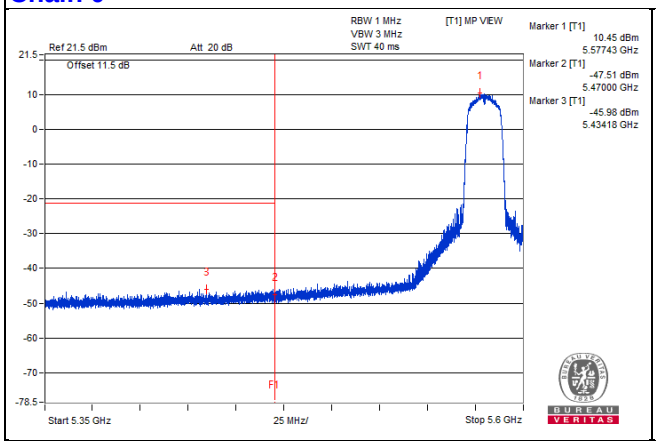
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

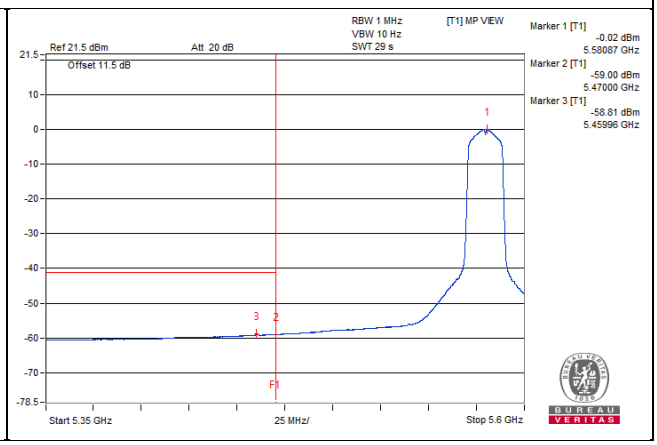
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5581.12 PK	110.92	*		8.91	6.75	15.66
2	5470 PK	54.85	68.2	-13.35	-47.16	6.75	-40.41
3	5467 PK	55.85	68.2	-12.35	-46.16	6.75	-39.41
4	5580.84 AV	100.74	*		-1.27	6.75	5.48
5	5470 AV	42.85	#		-59.16	6.75	-52.41
6	5459.93 AV	43.19	54	-10.81	-58.82	6.75	-52.07

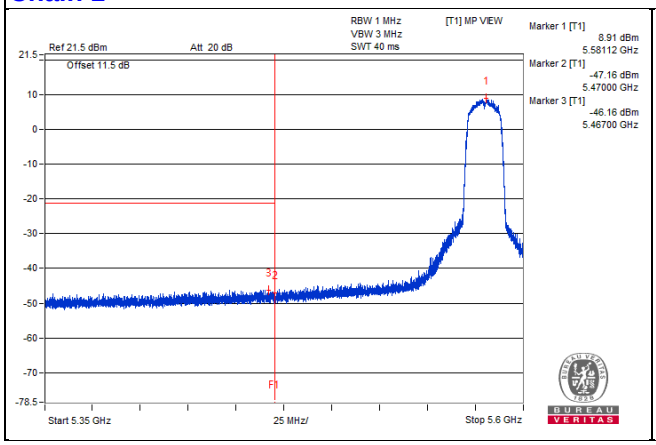
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

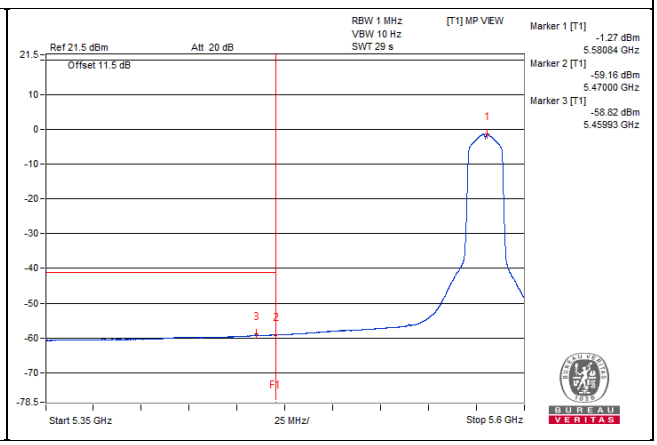
Chain 0





Chain 1





802.11ac (VHT20) - Channel 140

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5698.43 PK	110.97	*		9.05	6.66	15.71
2	3135.93 PK	55.36	68.2	-12.84	-46.56	6.66	-39.9
3	7357.81 PK	55.49	74	-18.51	-46.43	6.66	-39.77
4	21601.75 PK	57.4	68.2	-10.8	-44.52	6.66	-37.86
5	39778.75 PK	60.24	74	-13.76	-41.68	6.66	-35.02
6	5701.56 AV	101.73	*		-0.19	6.66	6.47
7	3087.5 AV	33.6	#		-68.32	6.66	-61.66
8	5778.12 AV	41.47	#		-60.45	6.66	-53.79
9	21663.56 AV	45.51	#		-56.41	6.66	-49.75
10	39733.75 AV	47.74	54	-6.26	-54.18	6.66	-47.52

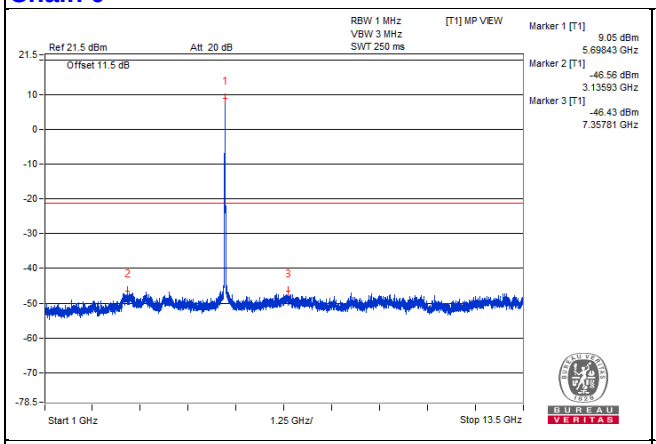
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

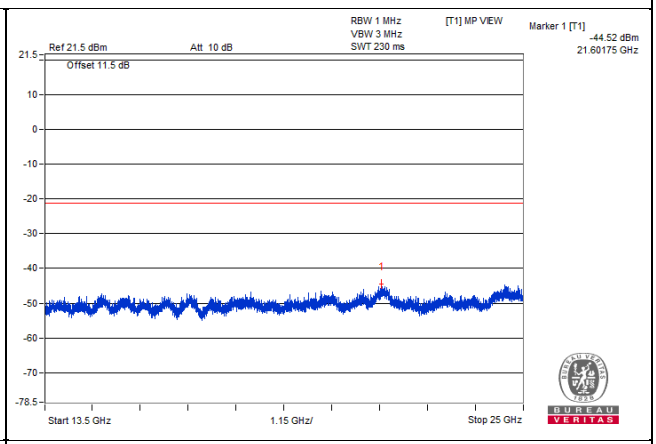
Chain 1

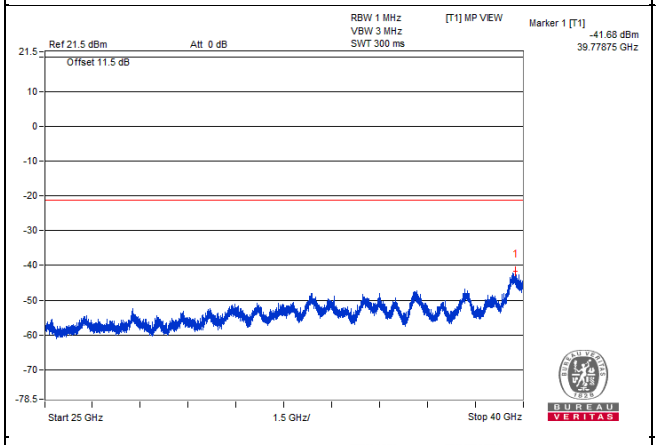
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5698.43 PK	109.37	*		7.36	6.75	14.11
2	3100 PK	55.79	68.2	-12.41	-46.22	6.75	-39.47
3	5823.43 PK	55.14	68.2	-13.06	-46.87	6.75	-40.12
4	21590.25 PK	58.37	68.2	-9.83	-43.64	6.75	-36.89
5	39743.12 PK	60.01	74	-13.99	-42	6.75	-35.25
6	5701.56 AV	100.6	*		-1.41	6.75	5.34
7	3110.93 AV	33.69	#		-68.32	6.75	-61.57
8	5778.12 AV	41	#		-61.01	6.75	-54.26
9	21652.06 AV	45.95	#		-56.06	6.75	-49.31
10	39745 AV	47.95	54	-6.05	-54.06	6.75	-47.31

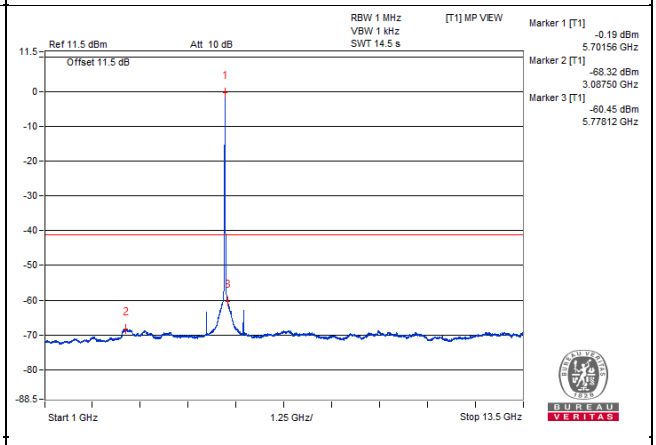
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

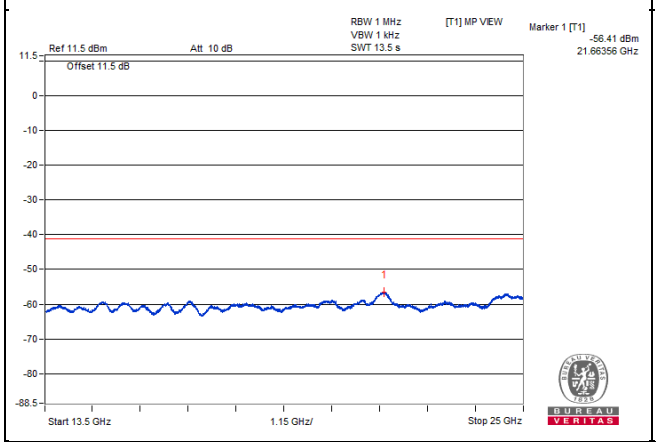
Chain 0

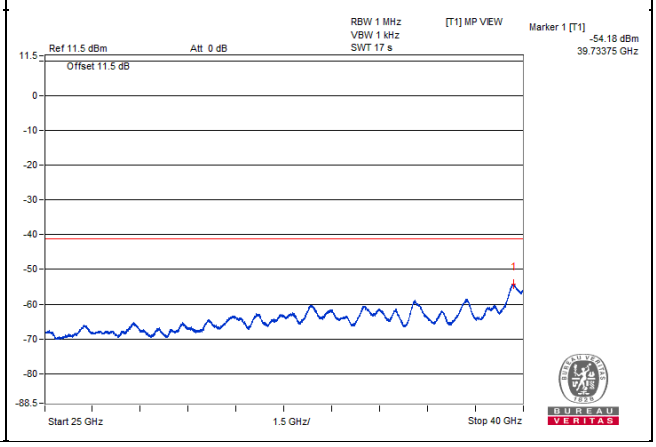

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
9.05 dBm
5.69843 GHz
Marker 2 [T1]
-46.56 dBm
3.13593 GHz
Marker 3 [T1]
-46.43 dBm
7.35781 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.52 dBm
21.60175 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

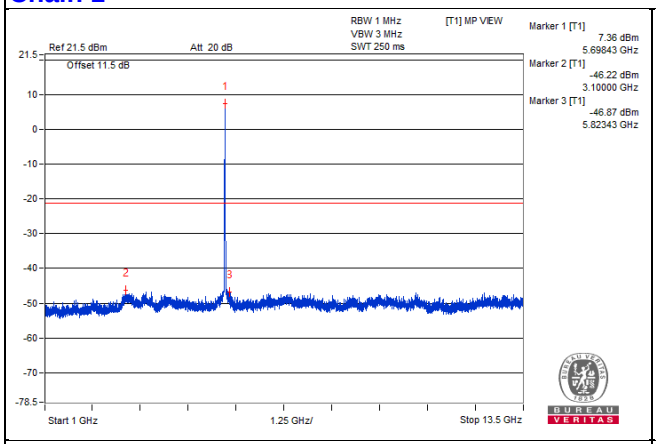

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-41.68 dBm
39.77875 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

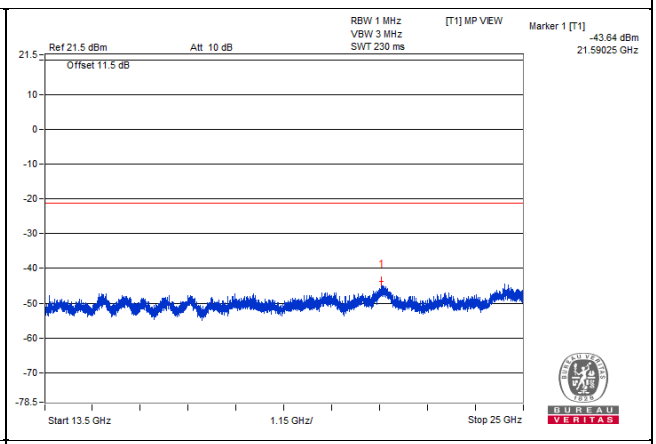

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-0.19 dBm
5.70156 GHz
Marker 2 [T1]
-68.32 dBm
3.08750 GHz
Marker 3 [T1]
-60.45 dBm
5.77812 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

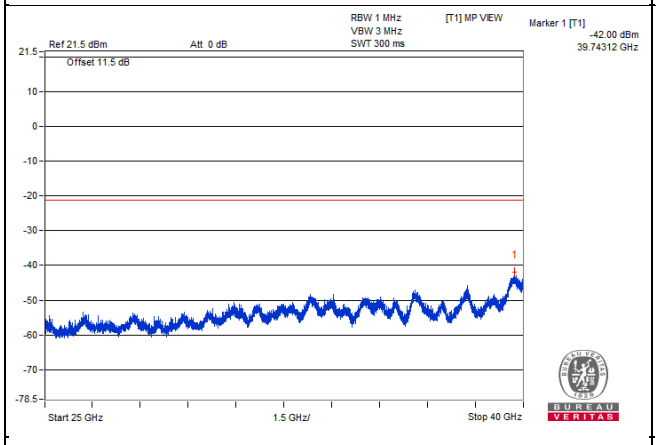

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.41 dBm
21.66356 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

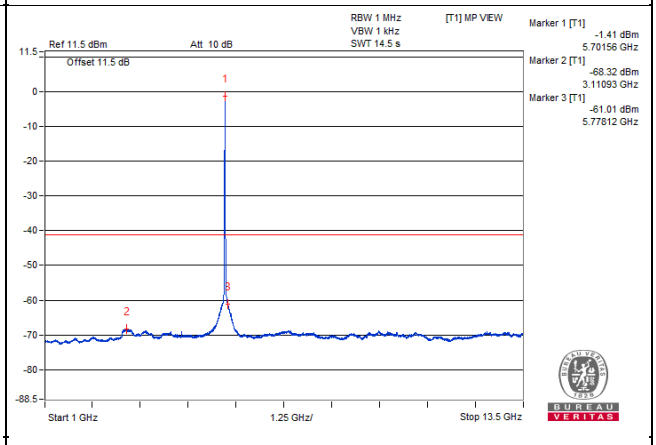

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.18 dBm
39.73375 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

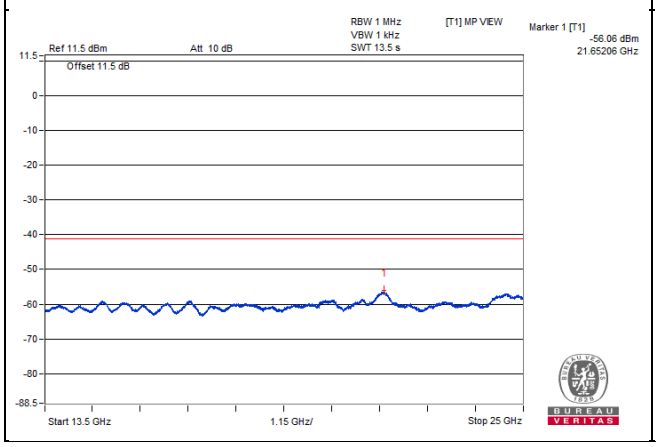
Chain 1

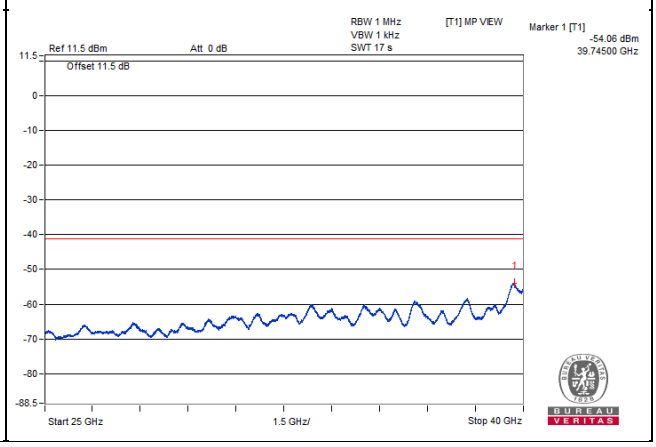

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
7.36 dBm
5.69843 GHz
Marker 2 [T1]
-46.22 dBm
3.10000 GHz
Marker 3 [T1]
-46.87 dBm
5.82343 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-43.64 dBm
21.59025 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.00 dBm
39.74312 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-1.41 dBm
5.70156 GHz
Marker 2 [T1]
-68.32 dBm
3.11093 GHz
Marker 3 [T1]
-61.01 dBm
5.77812 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.06 dBm
21.65206 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.06 dBm
39.74500 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5699.9 PK	112.24	*		10.75	6.23	16.98
2	5725 PK	65.54	68.2	-2.66	-35.95	6.23	-29.72
3	5725.3 PK	66.61	68.2	-1.59	-34.88	6.23	-28.65
4	5700.92 AV	101.19	*		-0.3	6.23	5.93
5	5725 AV	50.55	#		-50.94	6.23	-44.71
6	5725 AV	50.55	#		-50.94	6.23	-44.71

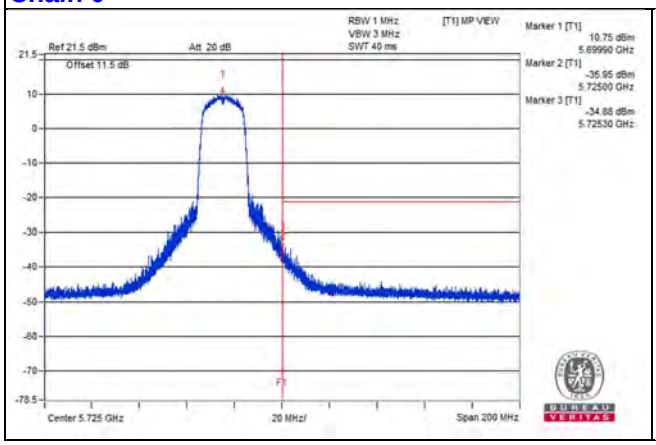
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

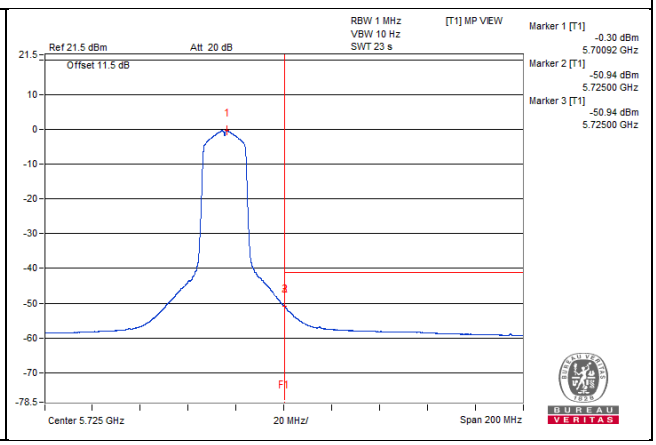
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5701.05 PK	111.22	*		9.21	6.75	15.96
2	5725 PK	63.05	68.2	-5.15	-38.96	6.75	-32.21
3	5728.02 PK	66.13	68.2	-2.07	-35.88	6.75	-29.13
4	5701.05 AV	100.67	*		-1.34	6.75	5.41
5	5725 AV	48.9	#		-53.11	6.75	-46.36
6	5725.02 AV	48.91	#		-53.1	6.75	-46.35

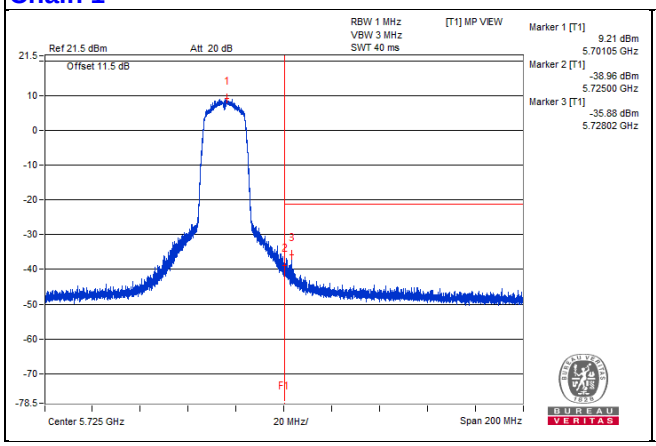
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

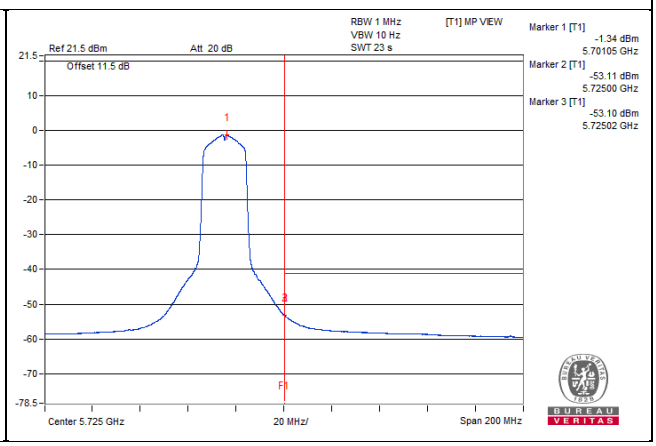
Chain 0





Chain 1





802.11ac (VHT20) - Channel 144

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5718.75 PK	112.03	*		10.11	6.66	16.77
2	3084.37 PK	54.94	68.2	-13.26	-46.98	6.66	-40.32
3	5775 PK	55.87	68.2	-12.33	-46.05	6.66	-39.39
4	21629.06 PK	57.95	68.2	-10.25	-43.97	6.66	-37.31
5	39745 PK	59.29	74	-14.71	-42.63	6.66	-35.97
6	5720.31 AV	102.64	*		0.72	6.66	7.38
7	3093.75 AV	33.4	#		-68.52	6.66	-61.86
8	5775 AV	43.38	#		-58.54	6.66	-51.88
9	21667.87 AV	45.4	#		-56.52	6.66	-49.86
10	39728.12 AV	47.56	54	-6.44	-54.36	6.66	-47.7

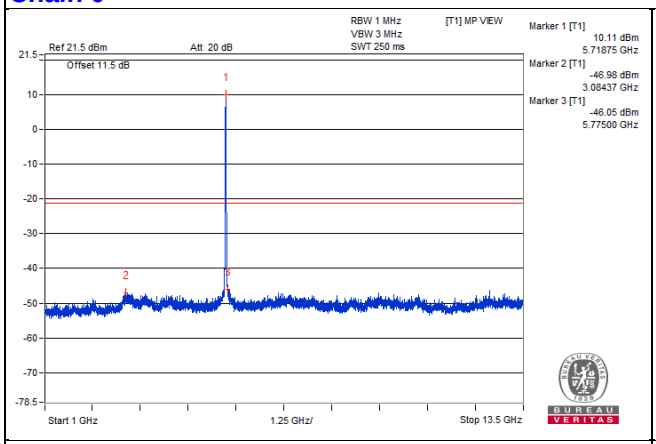
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

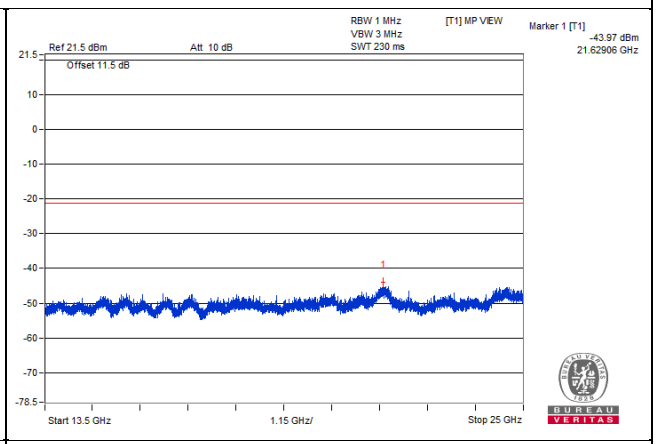
Chain 1

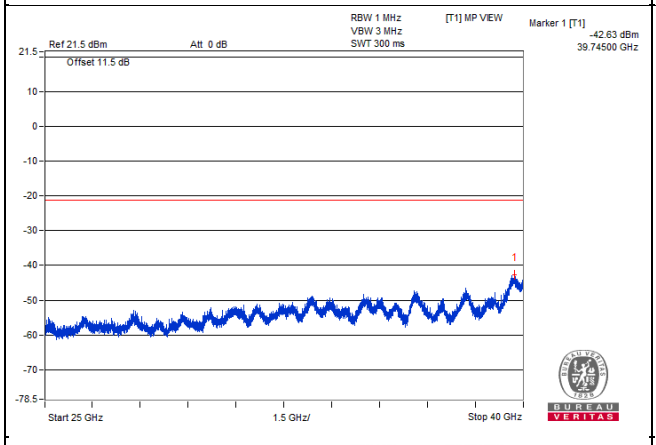
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5720.31 PK	109.97	*		7.96	6.75	14.71
2	3095.31 PK	55.1	68.2	-13.1	-46.91	6.75	-40.16
3	5825 PK	55.56	68.2	-12.64	-46.45	6.75	-39.7
4	21629.06 PK	57.19	68.2	-11.01	-44.82	6.75	-38.07
5	39801.25 PK	59.61	74	-14.39	-42.4	6.75	-35.65
6	5720.31 AV	101.22	*		-0.79	6.75	5.96
7	4575 AV	37.57	54	-16.43	-64.44	6.75	-57.69
8	5776.56 AV	42.32	#		-59.69	6.75	-52.94
9	21659.25 AV	45.59	#		-56.42	6.75	-49.67
10	39703.75 AV	47.66	54	-6.34	-54.35	6.75	-47.6

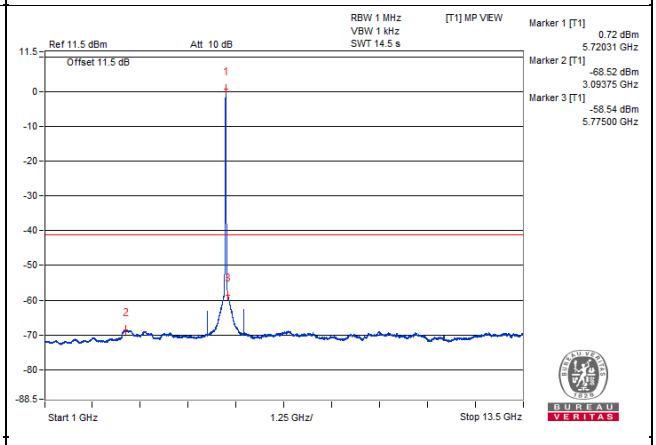
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

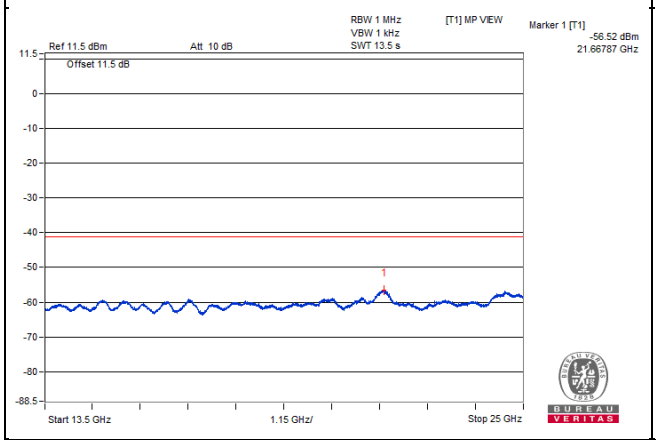
Chain 0

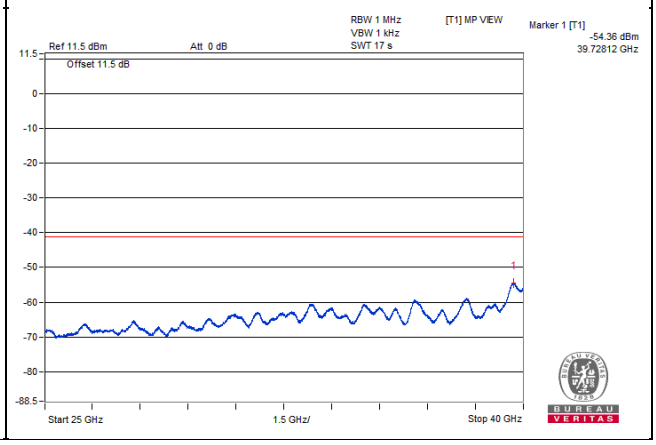

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
10.11 dBm
5.71875 GHz
Marker 2 [T1]
-46.98 dBm
3.08437 GHz
Marker 3 [T1]
-46.05 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-43.97 dBm
21.62906 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

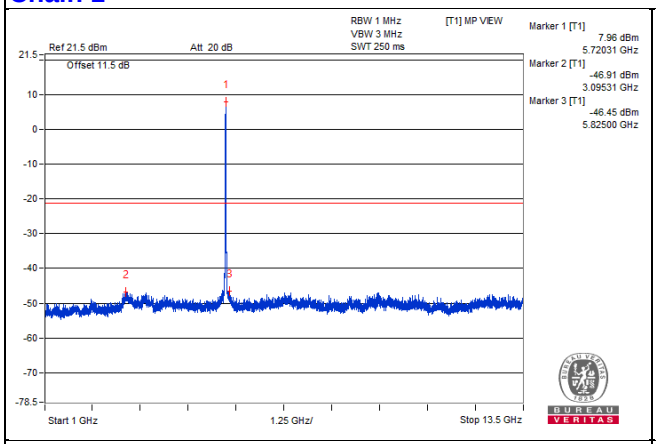

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.63 dBm
39.74500 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

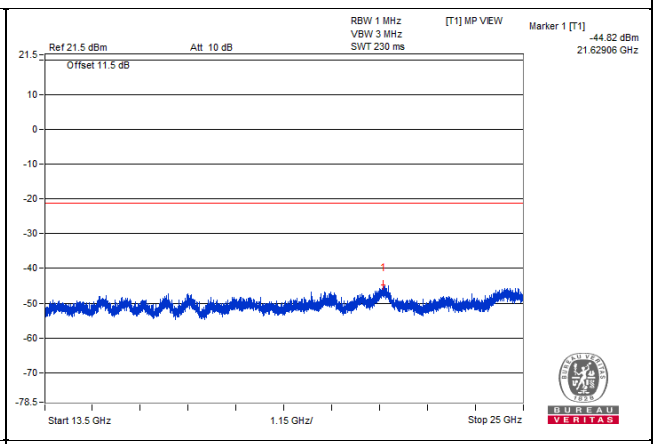

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
0.72 dBm
5.72031 GHz
Marker 2 [T1]
-68.52 dBm
3.09375 GHz
Marker 3 [T1]
-58.54 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

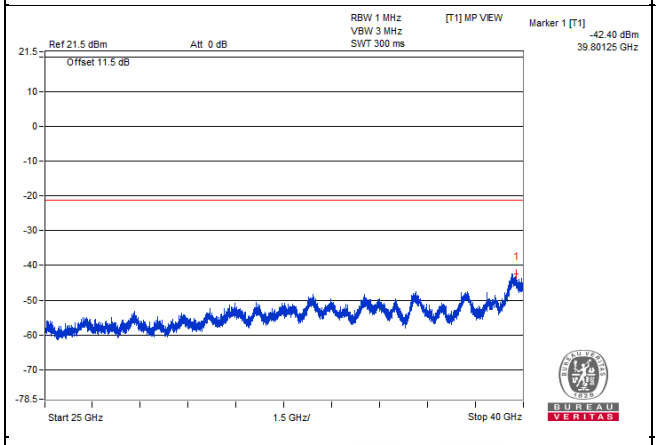

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.52 dBm
21.66787 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

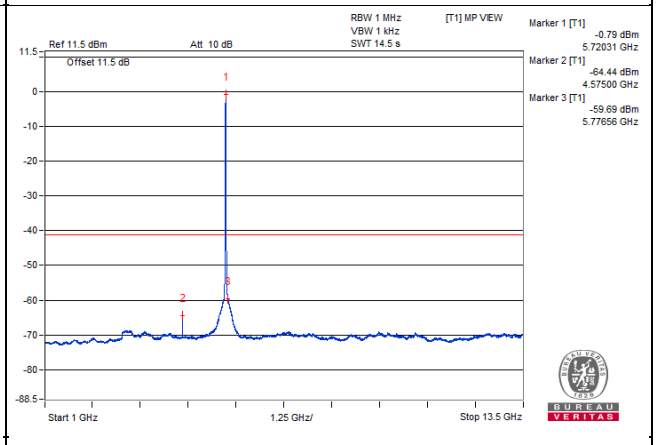

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.36 dBm
39.72812 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

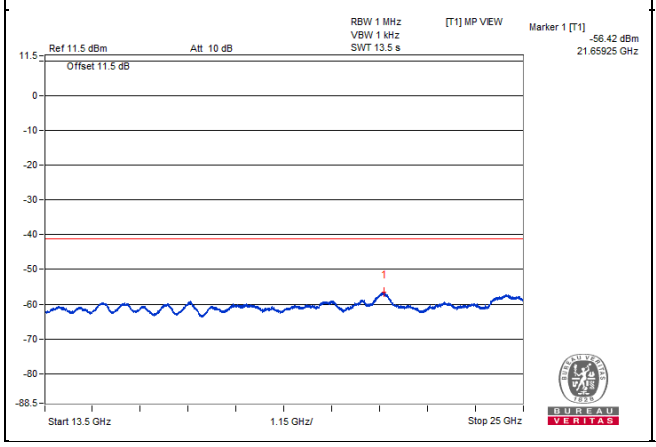
Chain 1

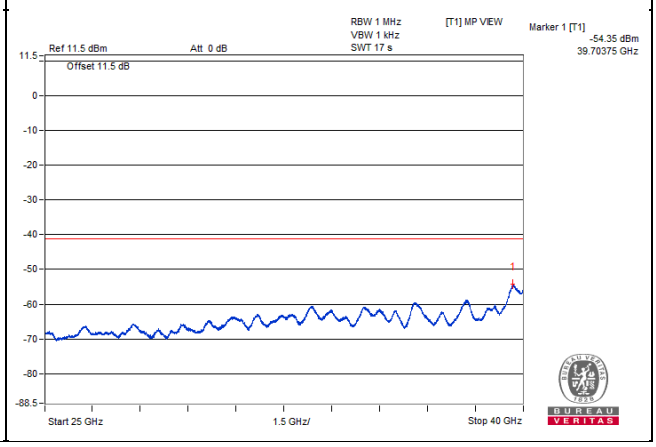

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
7.96 dBm
5.72031 GHz
Marker 2 [T1]
-46.91 dBm
3.09531 GHz
Marker 3 [T1]
-46.45 dBm
5.82500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.82 dBm
21.62906 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.40 dBm
39.80125 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-0.79 dBm
5.72031 GHz
Marker 2 [T1]
-64.44 dBm
4.57500 GHz
Marker 3 [T1]
-59.69 dBm
5.77656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.42 dBm
21.65925 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.35 dBm
39.70375 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5718.81 PK	112.81	*		11.02	6.53	17.55
2	5850 PK	53.07	68.2	-15.13	-48.72	6.53	-42.19
3	5855.12 PK	55.72	68.2	-12.48	-46.07	6.53	-39.54
4	5718.92 AV	102.2	*		0.41	6.53	6.94
5	5850 AV	42.63	#		-59.16	6.53	-52.63
6	5850.66 AV	42.67	#		-59.12	6.53	-52.59

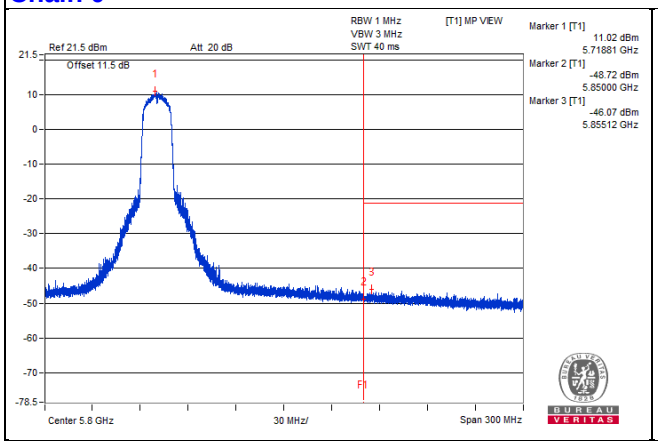
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

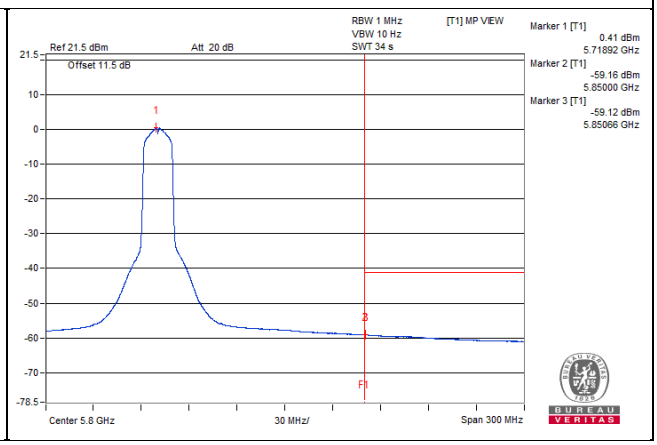
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5721.88 PK	111.37	*		9.36	6.75	16.11
2	5850 PK	54.22	68.2	-13.98	-47.79	6.75	-41.04
3	5852.83 PK	55.69	68.2	-12.51	-46.32	6.75	-39.57
4	5719 AV	100.86	*		-1.15	6.75	5.6
5	5850 AV	42.38	#		-59.63	6.75	-52.88
6	5850.36 AV	42.41	#		-59.6	6.75	-52.85

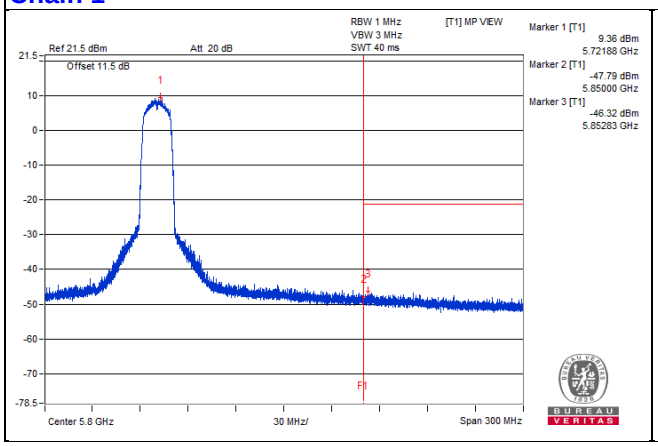
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

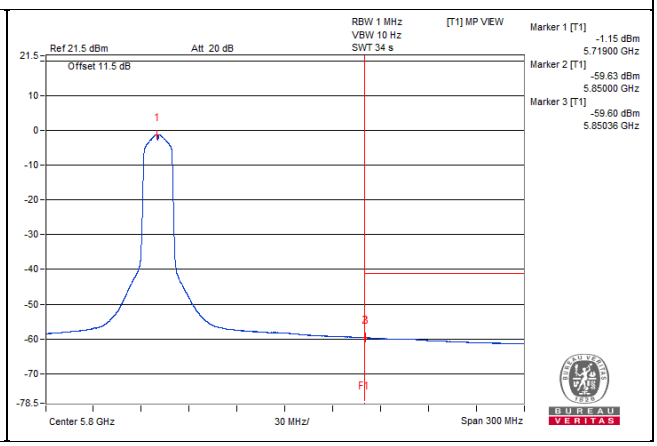
Chain 0





Chain 1





802.11ac (VHT20) – Channel 149

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5743.75 PK	111.42	*		9.5	6.66	16.16
2	3578.12 PK	56.38	74	-17.62	-45.54	6.66	-38.88
3	5781.25 PK	62.35	68.2	-5.85	-39.57	6.66	-32.91
4	21627.62 PK	57.25	68.2	-10.95	-44.67	6.66	-38.01
5	39683.12 PK	59.61	74	-14.39	-42.31	6.66	-35.65
6	5745.31 AV	102.11	*		0.19	6.66	6.85
7	3120.31 AV	33.28	#		-68.64	6.66	-61.98
8	5775 AV	50	#		-51.92	6.66	-45.26
9	21650.62 AV	45.32	#		-56.6	6.66	-49.94
10	39715 AV	47.56	54	-6.44	-54.36	6.66	-47.7

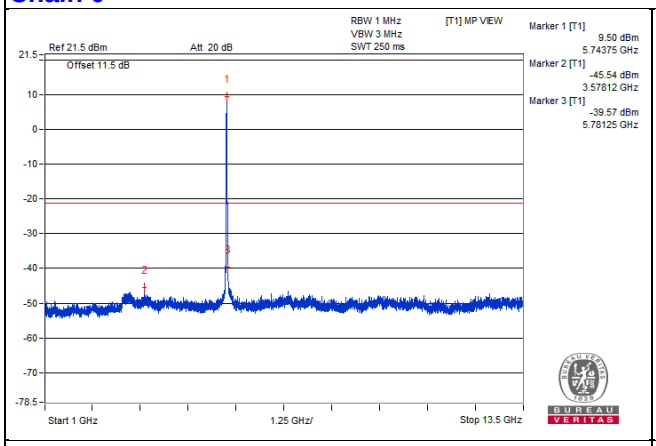
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

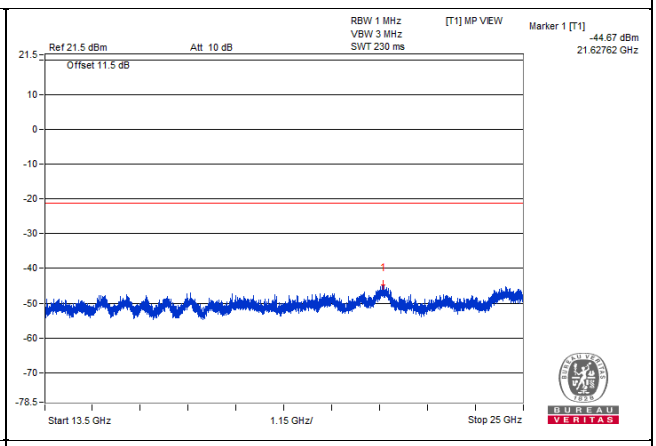
Chain 1

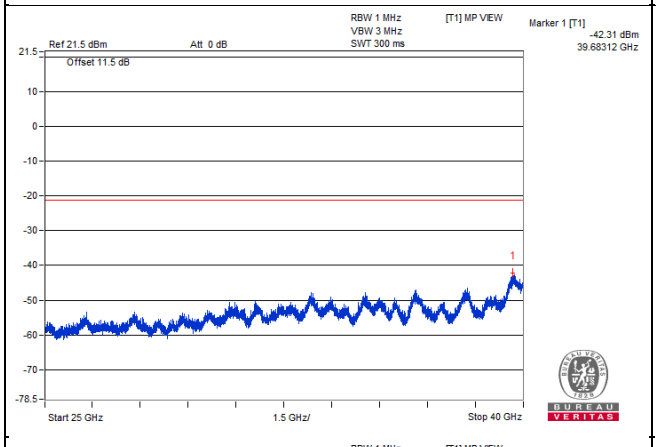
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5742.18 PK	109.23	*		7.22	6.75	13.97
2	3071.87 PK	55.05	68.2	-13.15	-46.96	6.75	-40.21
3	5776.56 PK	58.71	68.2	-9.49	-43.3	6.75	-36.55
4	21630.5 PK	57.57	68.2	-10.63	-44.44	6.75	-37.69
5	39771.25 PK	59.24	74	-14.76	-42.77	6.75	-36.02
6	5743.75 AV	99.74	*		-2.27	6.75	4.48
7	4595.31 AV	34.78	54	-19.22	-67.23	6.75	-60.48
8	5776.56 AV	46.28	#		-55.73	6.75	-48.98
9	21649.18 AV	45.2	#		-56.81	6.75	-50.06
10	39713.12 AV	47.45	54	-6.55	-54.56	6.75	-47.81

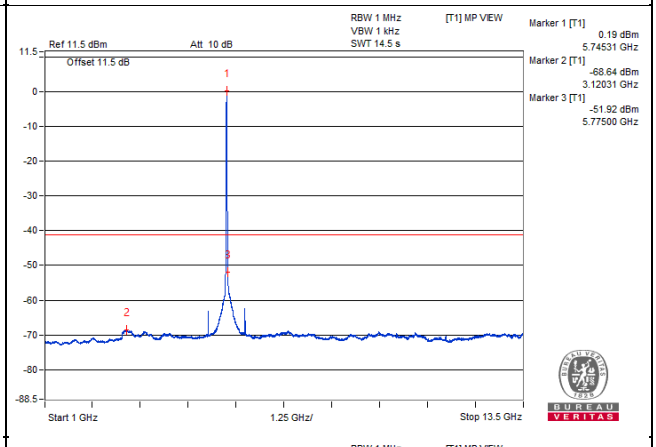
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

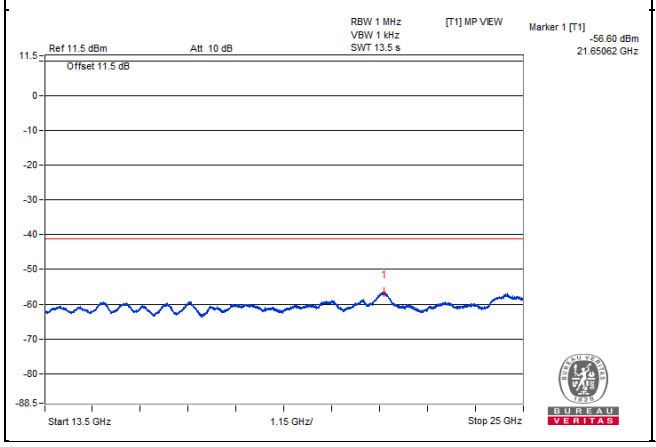
Chain 0

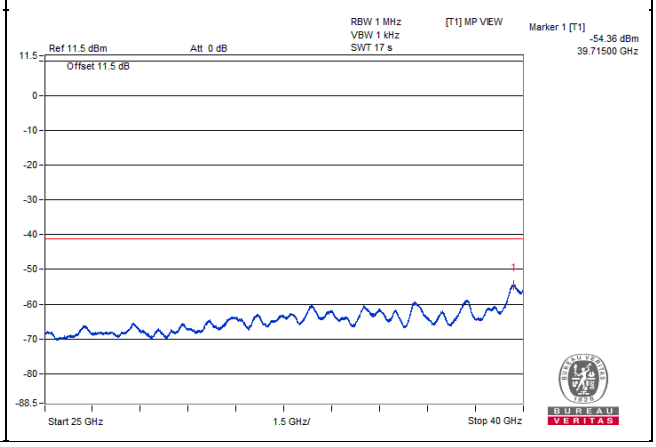

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
9.50 dBm
5.74375 GHz
Marker 2 [T1]
-45.54 dBm
3.57812 GHz
Marker 3 [T1]
-39.57 dBm
5.78125 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.67 dBm
21.62762 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

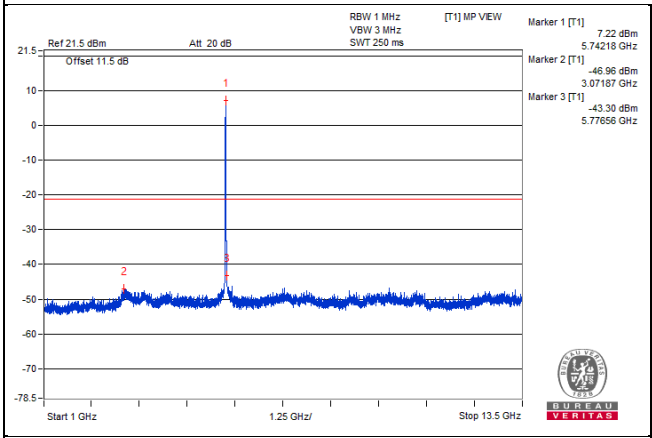

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.31 dBm
39.68312 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

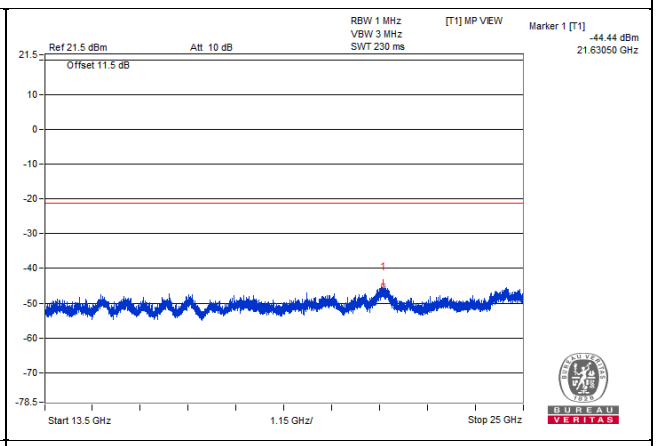

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
0.19 dBm
5.74531 GHz
Marker 2 [T1]
-68.64 dBm
3.12031 GHz
Marker 3 [T1]
-51.92 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

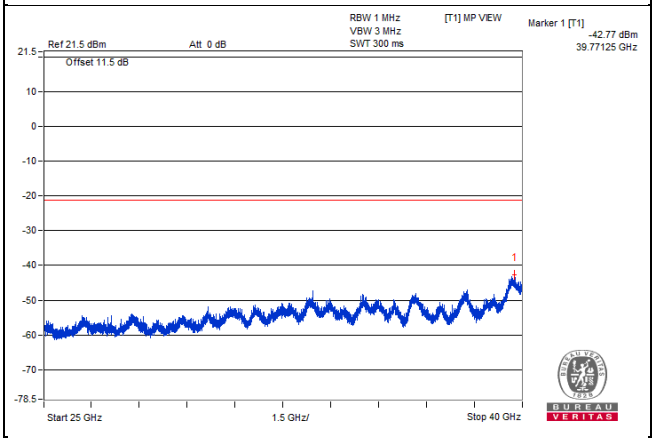

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.60 dBm
21.65062 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

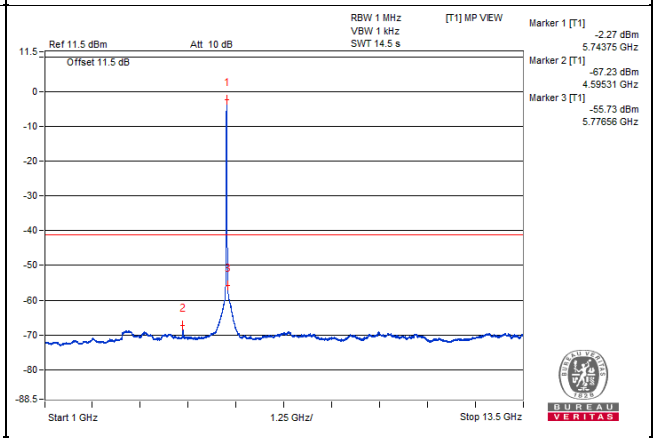

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.36 dBm
39.71500 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

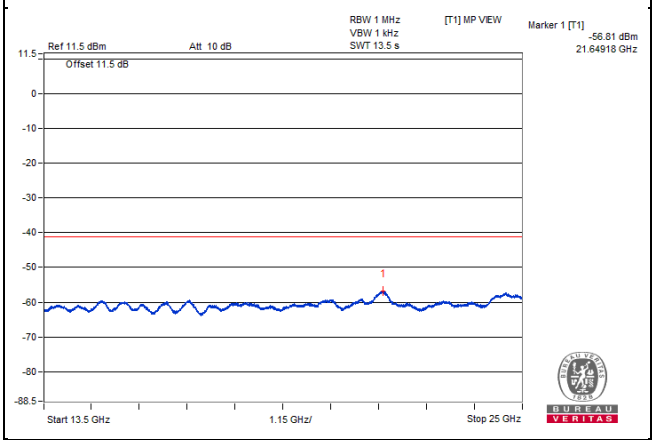
Chain 1

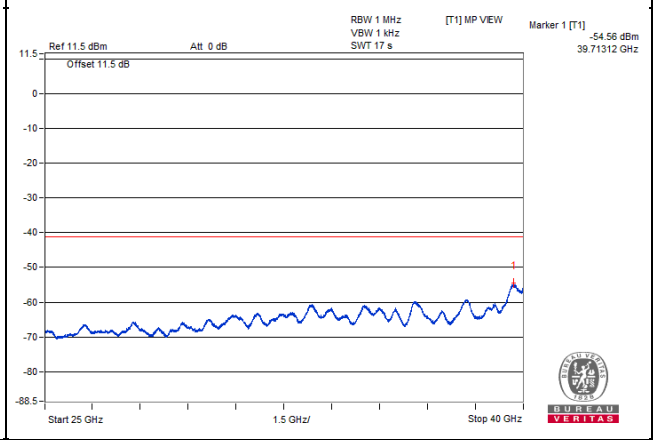

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
7.22 dBm
5.74218 GHz
Marker 2 [T1]
-46.96 dBm
3.07187 GHz
Marker 3 [T1]
-43.30 dBm
5.77656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.44 dBm
21.63050 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.77 dBm
39.77125 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

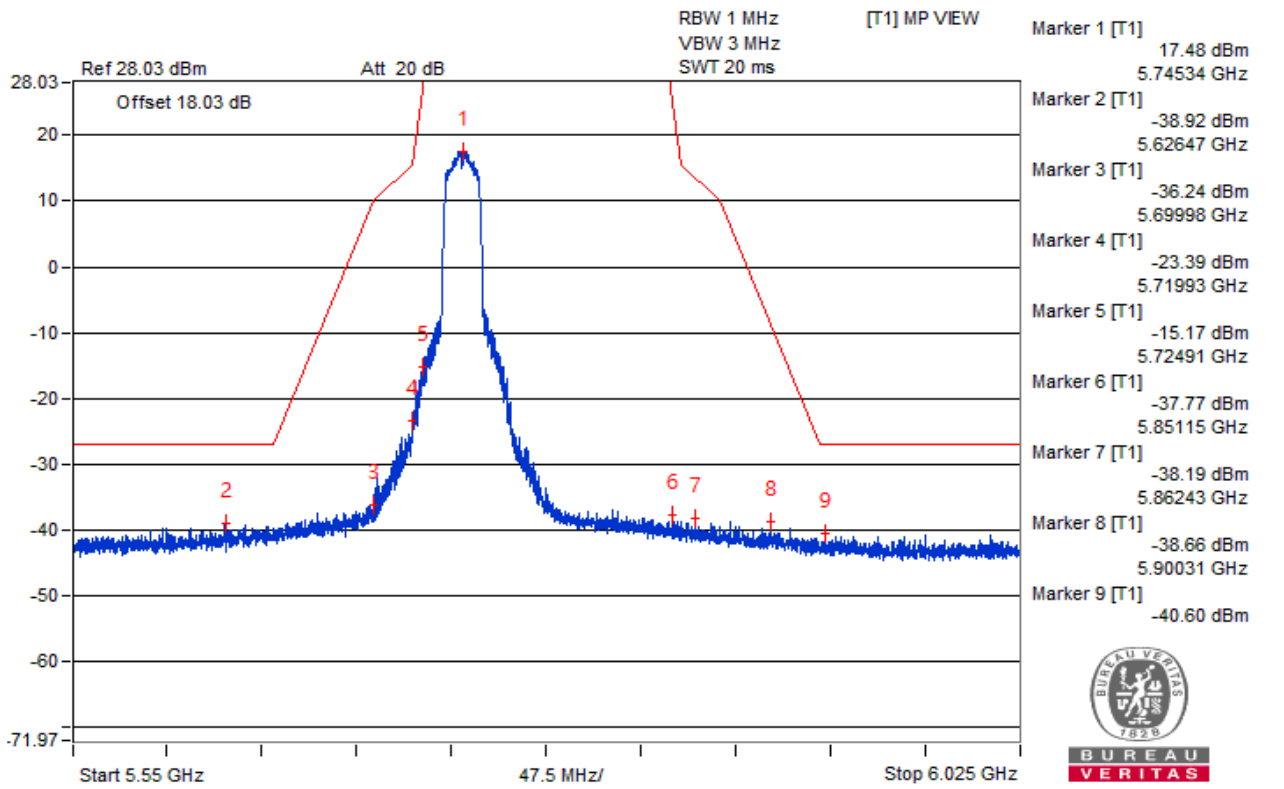

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.27 dBm
5.74375 GHz
Marker 2 [T1]
-67.23 dBm
4.59531 GHz
Marker 3 [T1]
-55.73 dBm
5.77656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.81 dBm
21.64918 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

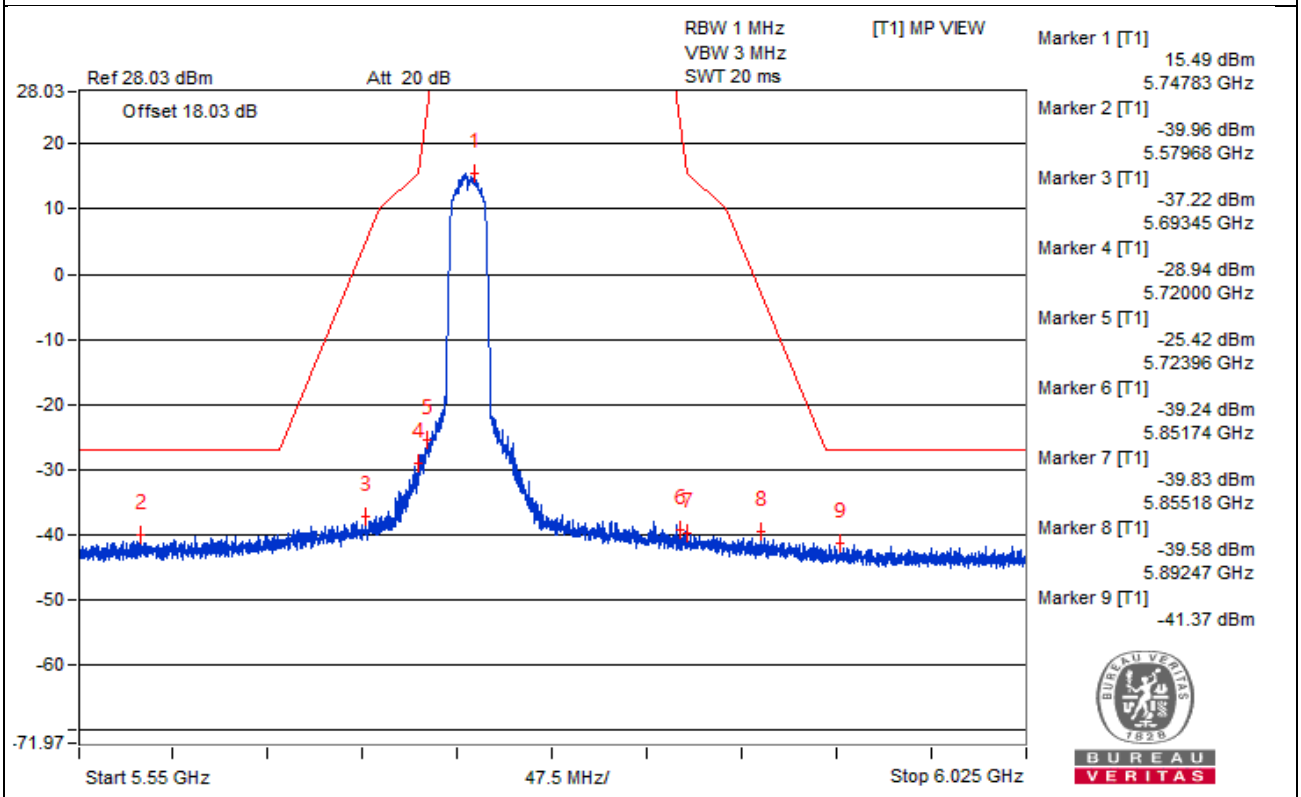

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.56 dBm
39.71312 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0



Chain 1



Note:
1. The offset including attenuator (10dB), cable loss (1.5 dB), antenna gain (3.52 dBi) and 10log2 (3.01dB).
2. The test results were EIRP.

802.11ac (VHT20) – Channel 157

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5787.5 PK	110.59	*		8.67	6.66	15.33
2	3096.87 PK	55.22	68.2	-12.98	-46.7	6.66	-40.04
3	5787.5 PK	110.59	*		8.67	6.66	15.33
4	21570.12 PK	57.31	68.2	-10.89	-44.61	6.66	-37.95
5	39754.37 PK	59.3	74	-14.7	-42.62	6.66	-35.96
6	5784.37 AV	102.32	*		0.4	6.66	7.06
7	4628.12 AV	36.12	54	-17.88	-65.8	6.66	-59.14
8	5784.37 AV	102.32	*		0.4	6.66	7.06
9	21631.93 AV	45.55	#		-56.37	6.66	-49.71
10	39696.25 AV	47.65	54	-6.35	-54.27	6.66	-47.61

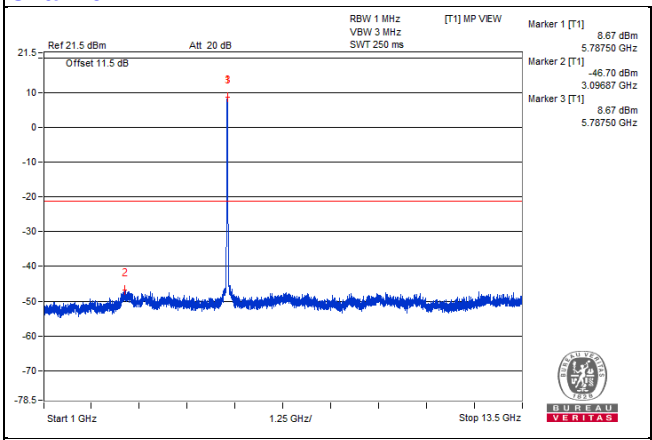
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

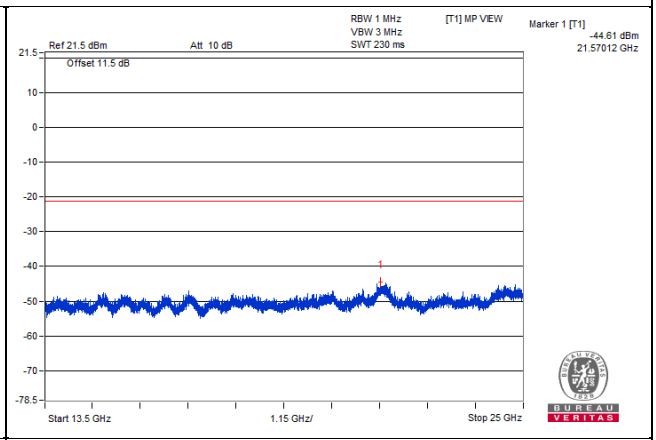
Chain 1

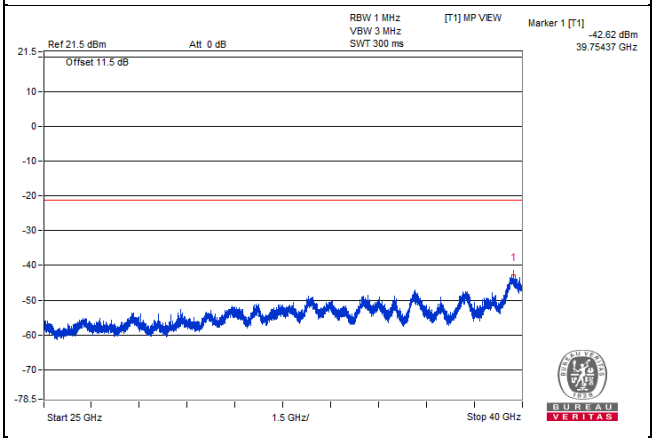
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5787.5 PK	108.04	*		6.03	6.75	12.78
2	3056.25 PK	55.84	68.2	-12.36	-46.17	6.75	-39.42
3	5787.5 PK	108.04	*		6.03	6.75	12.78
4	24532.81 PK	57.72	68.2	-10.48	-44.29	6.75	-37.54
5	39685 PK	59.39	74	-14.61	-42.62	6.75	-35.87
6	5785.93 AV	100.21	*		-1.8	6.75	4.95
7	4628.12 AV	37.98	54	-16.02	-64.03	6.75	-57.28
8	5785.93 AV	100.21	*		-1.8	6.75	4.95
9	21647.75 AV	45.44	#		-56.57	6.75	-49.82
10	39735.62 AV	47.22	54	-6.78	-54.79	6.75	-48.04

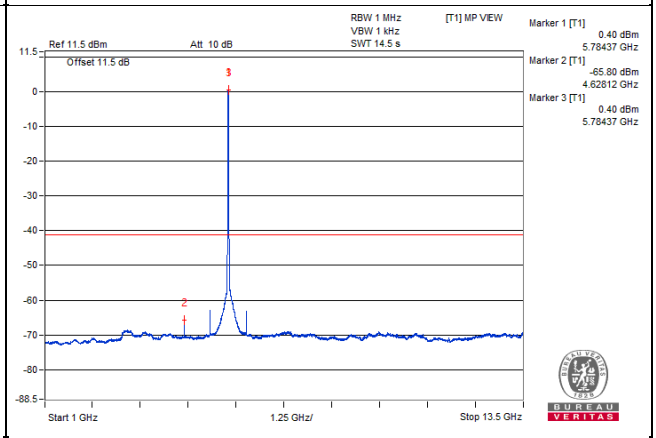
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

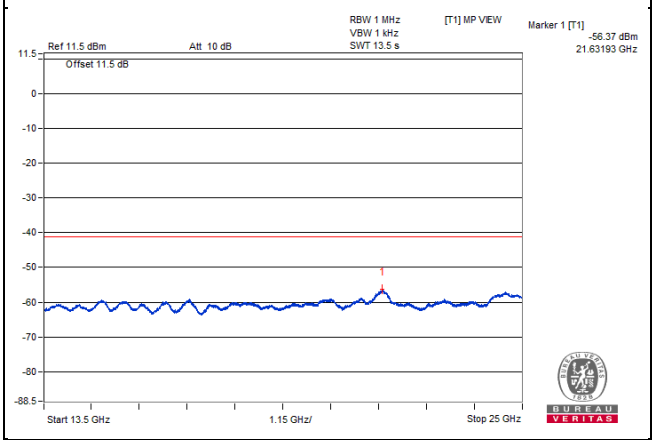
Chain 0

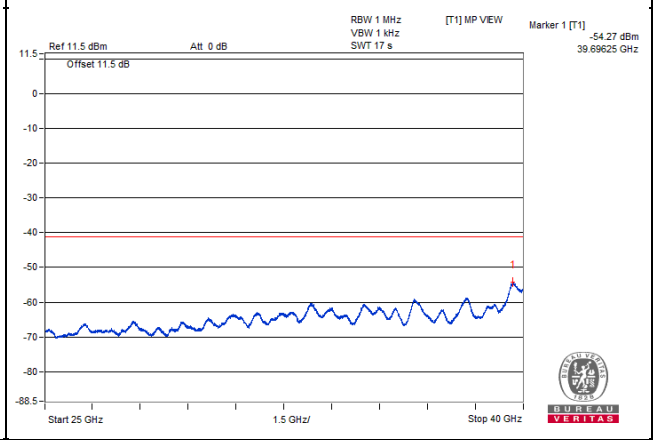

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
8.67 dBm
5.78750 GHz
Marker 2 [T1]
-46.70 dBm
3.09687 GHz
Marker 3 [T1]
8.67 dBm
5.78750 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.61 dBm
21.57012 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

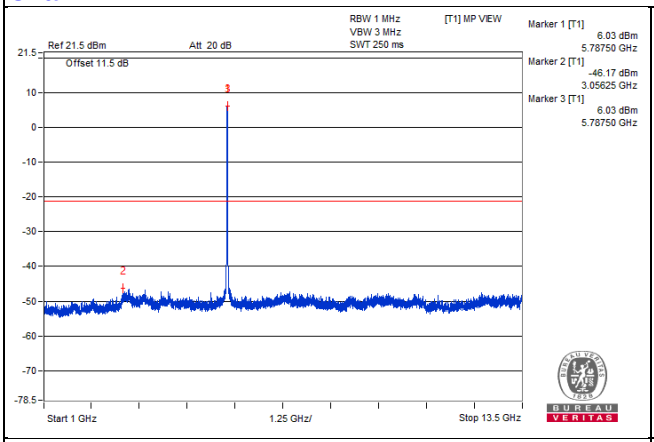

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.62 dBm
39.75437 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

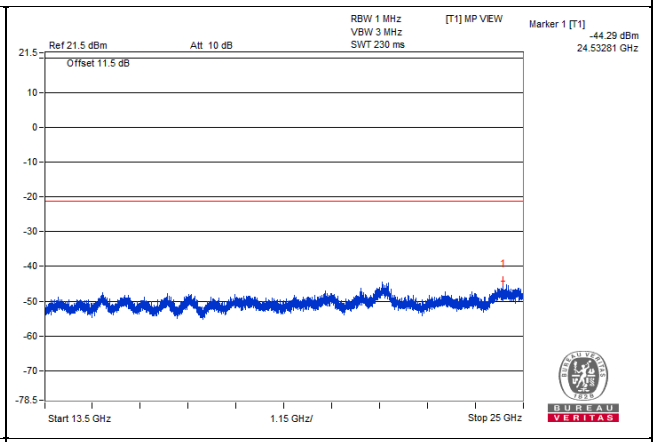

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
0.40 dBm
5.78437 GHz
Marker 2 [T1]
-65.80 dBm
4.62812 GHz
Marker 3 [T1]
0.40 dBm
5.78437 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

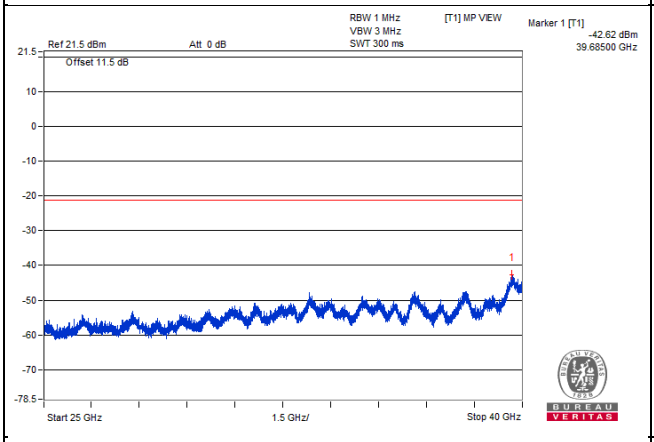

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.37 dBm
21.63193 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

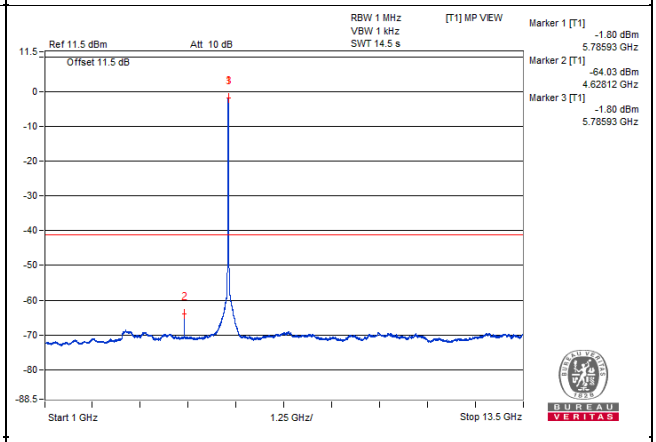

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.27 dBm
39.69625 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

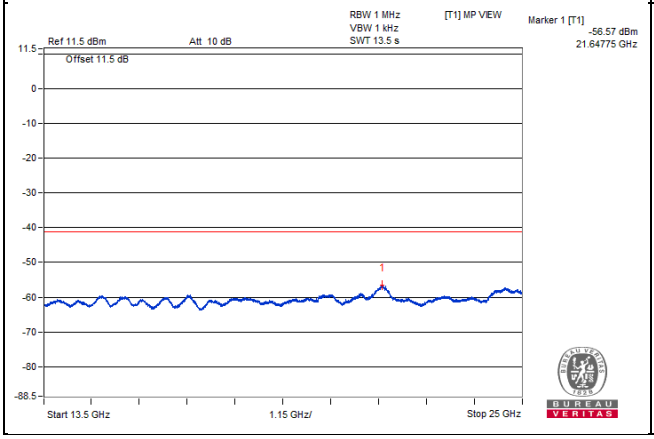
Chain 1

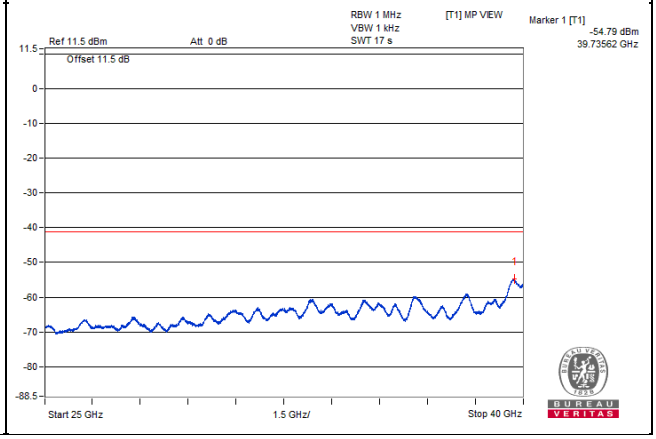

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
6.03 dBm
5.78750 GHz
Marker 2 [T1]
-46.17 dBm
3.05625 GHz
Marker 3 [T1]
6.03 dBm
5.78750 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.29 dBm
24.53281 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.62 dBm
39.68500 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

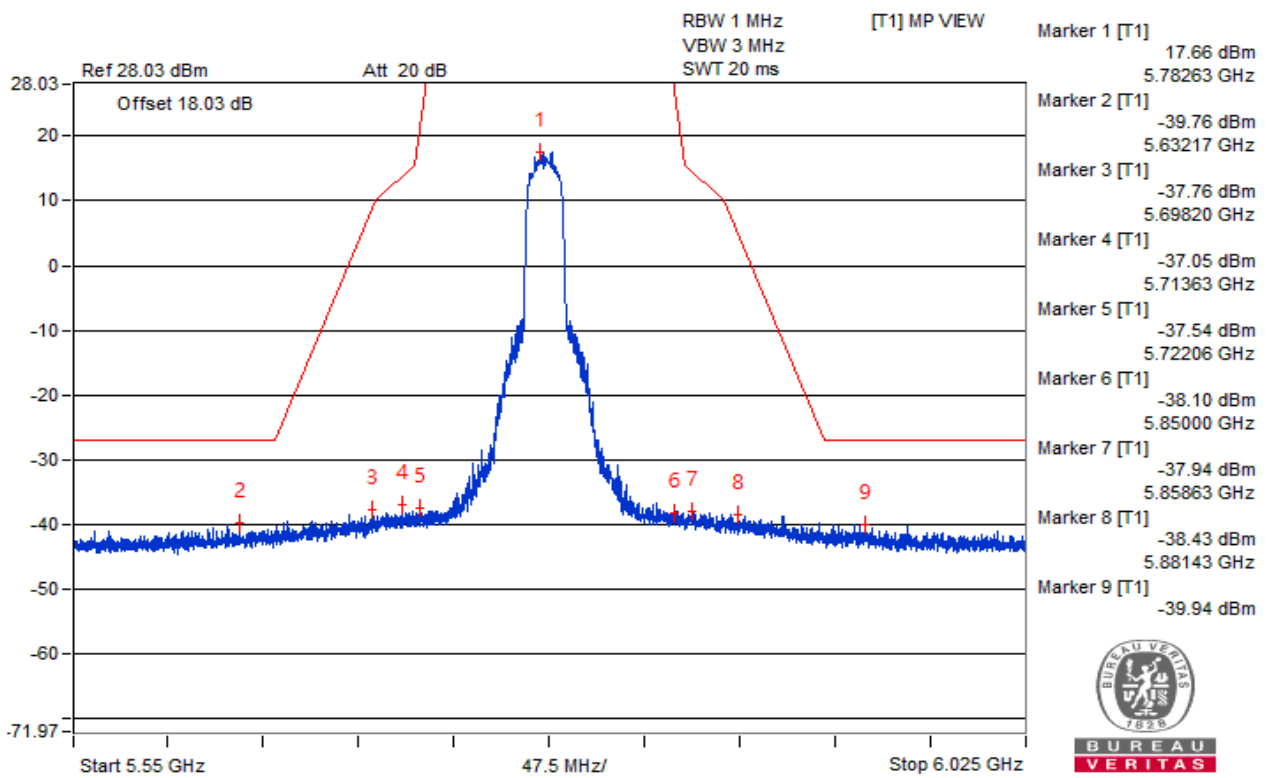

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-1.80 dBm
5.78593 GHz
Marker 2 [T1]
-64.03 dBm
4.62812 GHz
Marker 3 [T1]
-1.80 dBm
5.78593 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.57 dBm
21.64775 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

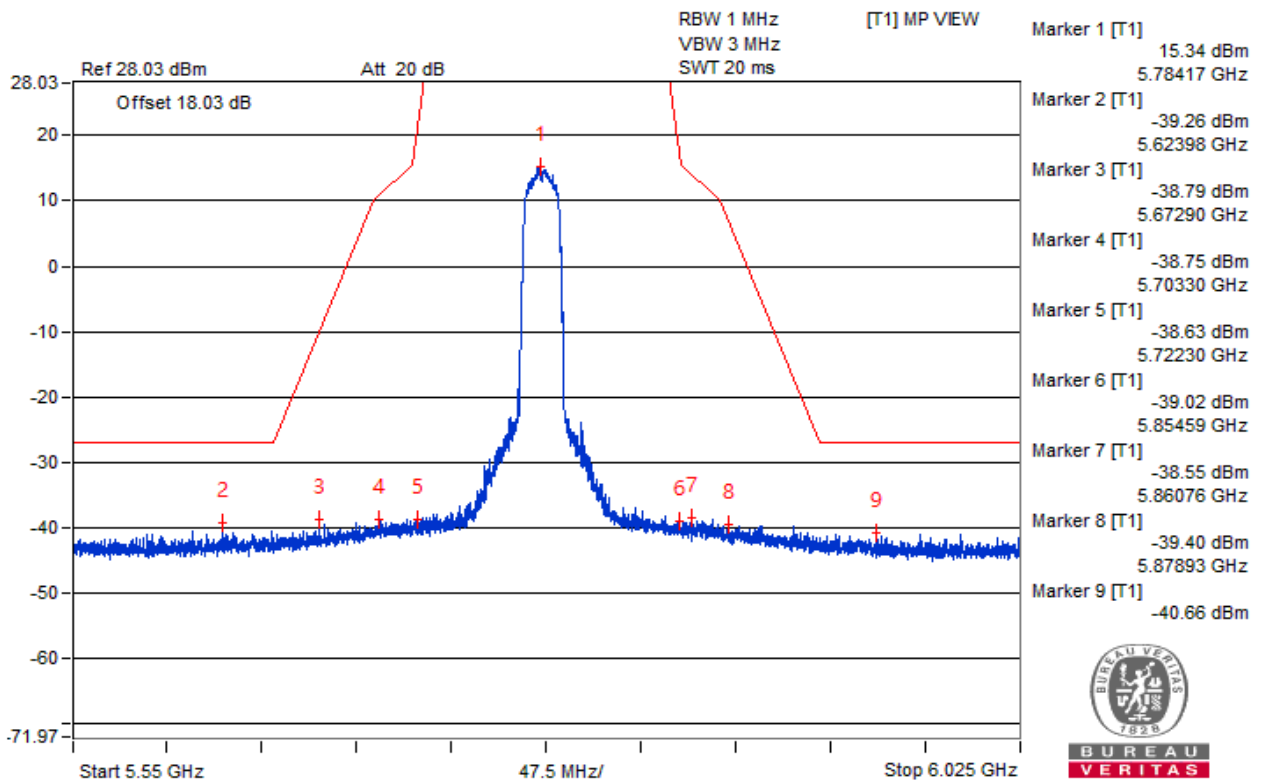

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.79 dBm
39.73562 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0



Chain 1



Note:

1. The offset including attenuator (10dB), cable loss (1.5 dB), antenna gain (3.52 dBi) and 10log2 (3.01dB).
2. The test results were EIRP.

802.11ac (VHT20) – Channel 165

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5826.56 PK	111.77	*		9.85	6.66	16.51
2	3087.5 PK	55.88	68.2	-12.32	-46.04	6.66	-39.38
3	5826.56 PK	111.77	*		9.85	6.66	16.51
4	24672.25 PK	56.85	68.2	-11.35	-45.07	6.66	-38.41
5	39745 PK	59.41	74	-14.59	-42.51	6.66	-35.85
6	5826.56 AV	102.33	*		0.41	6.66	7.07
7	4659.37 AV	36.14	54	-17.86	-65.78	6.66	-59.12
8	5826.56 AV	102.33	*		0.41	6.66	7.07
9	21654.93 AV	45.29	#		-56.63	6.66	-49.97
10	39705.62 AV	47.64	54	-6.36	-54.28	6.66	-47.62

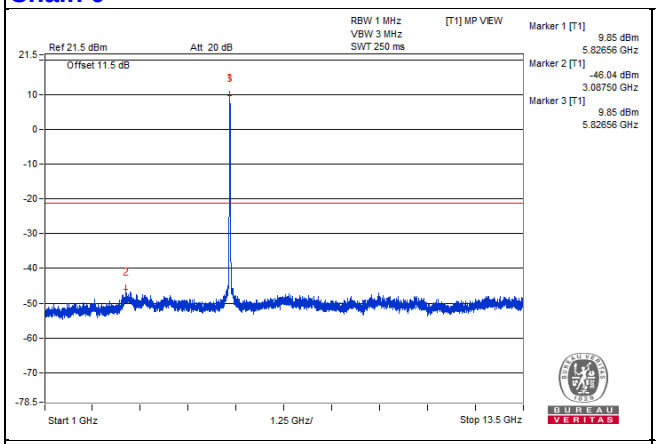
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

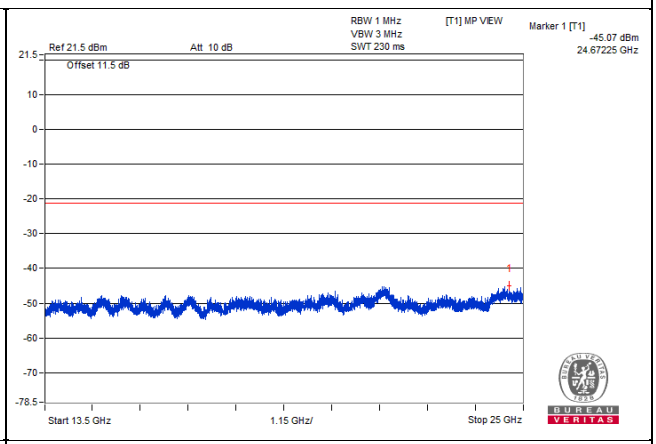
Chain 1

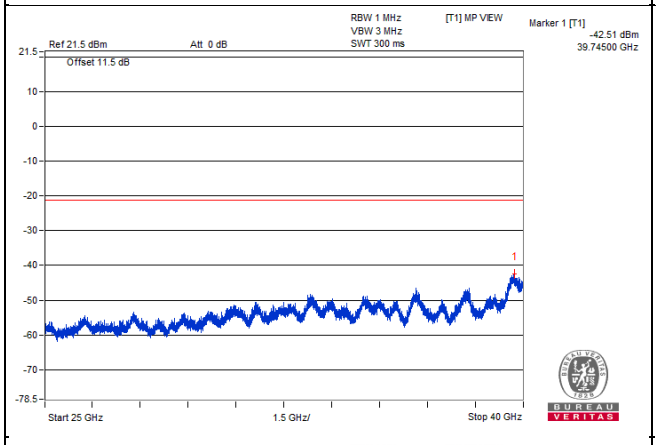
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5826.56 PK	108.46	*		6.45	6.75	13.2
2	3118.75 PK	54.98	68.2	-13.22	-47.03	6.75	-40.28
3	5826.56 PK	108.46	*		6.45	6.75	13.2
4	21683.68 PK	57.06	68.2	-11.14	-44.95	6.75	-38.2
5	39658.75 PK	59.01	74	-14.99	-43	6.75	-36.25
6	5825 AV	100.05	*		-1.96	6.75	4.79
7	4659.37 AV	38.73	54	-15.27	-63.28	6.75	-56.53
8	5825 AV	100.05	*		-1.96	6.75	4.79
9	21663.56 AV	45.41	#		-56.6	6.75	-49.85
10	39720.62 AV	47.38	54	-6.62	-54.63	6.75	-47.88

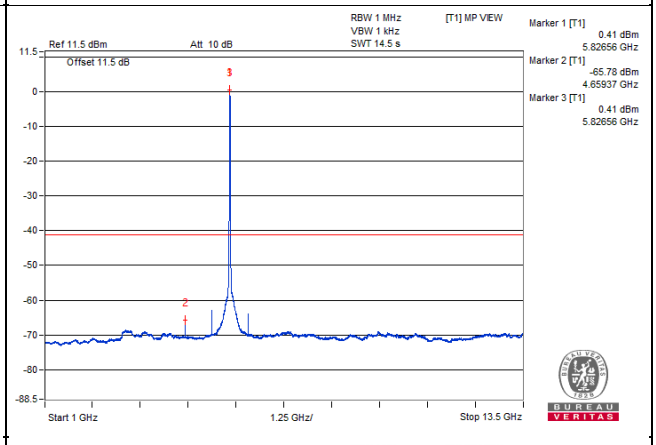
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

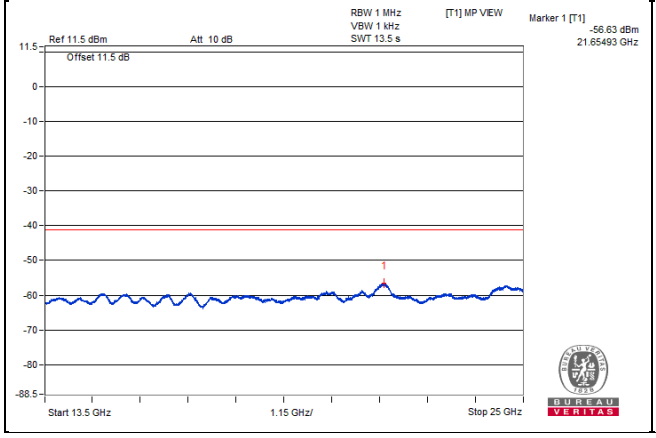
Chain 0

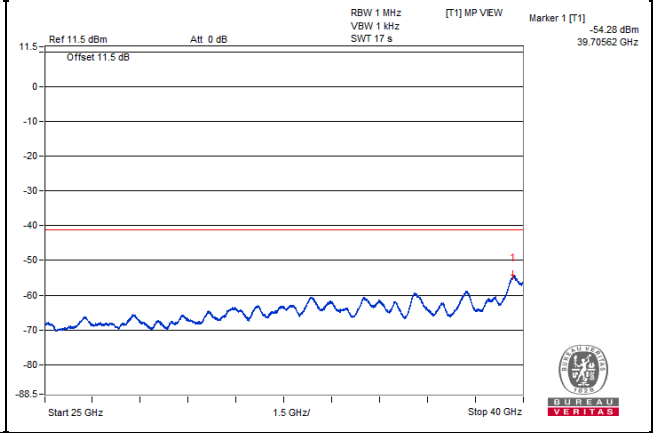

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
9.85 dBm
5.82656 GHz
Marker 2 [T1]
-46.04 dBm
3.08750 GHz
Marker 3 [T1]
9.85 dBm
5.82656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-45.07 dBm
24.67225 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

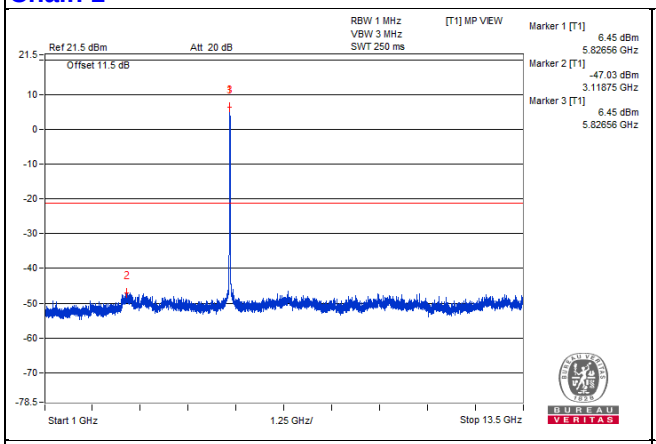

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.51 dBm
39.74500 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

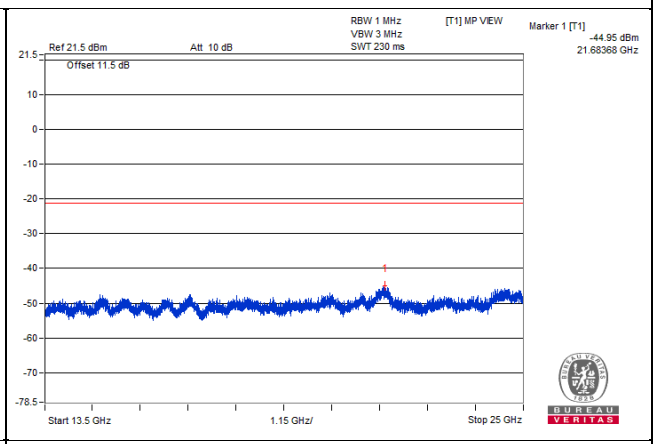

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
0.41 dBm
5.82656 GHz
Marker 2 [T1]
-65.78 dBm
4.65937 GHz
Marker 3 [T1]
0.41 dBm
5.82656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

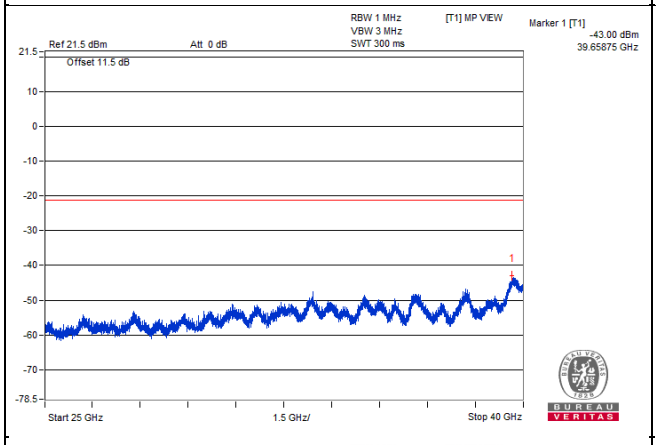

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.63 dBm
21.65493 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

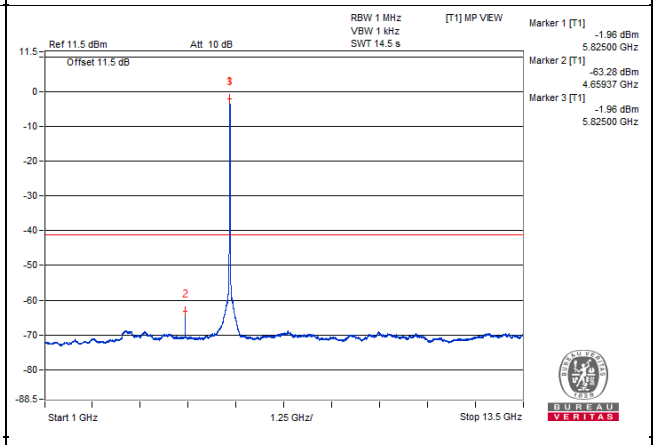

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.28 dBm
39.70562 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

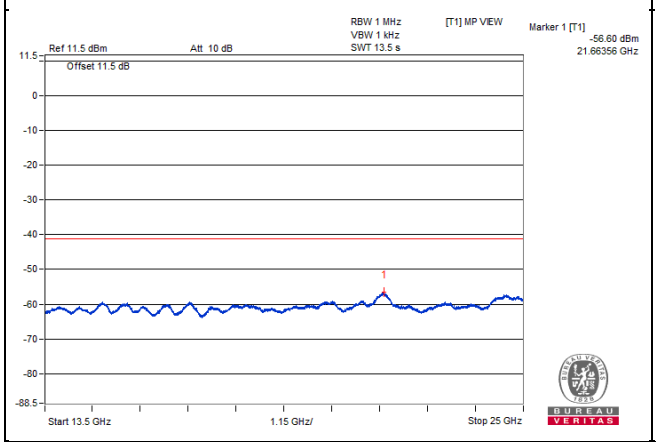
Chain 1

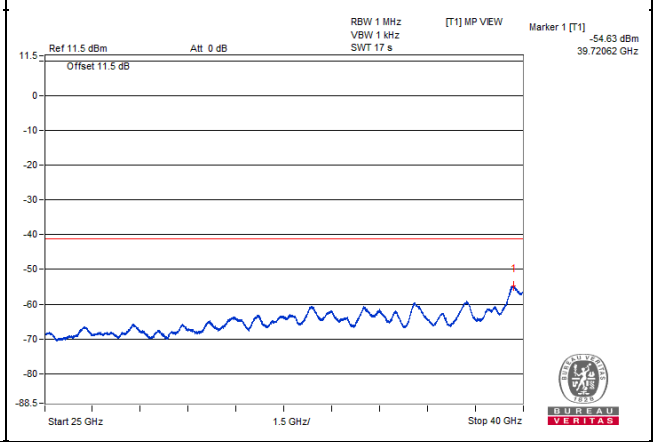

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
6.45 dBm
5.82656 GHz
Marker 2 [T1]
-47.03 dBm
3.11875 GHz
Marker 3 [T1]
6.45 dBm
5.82656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.95 dBm
21.68368 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-43.00 dBm
39.65875 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

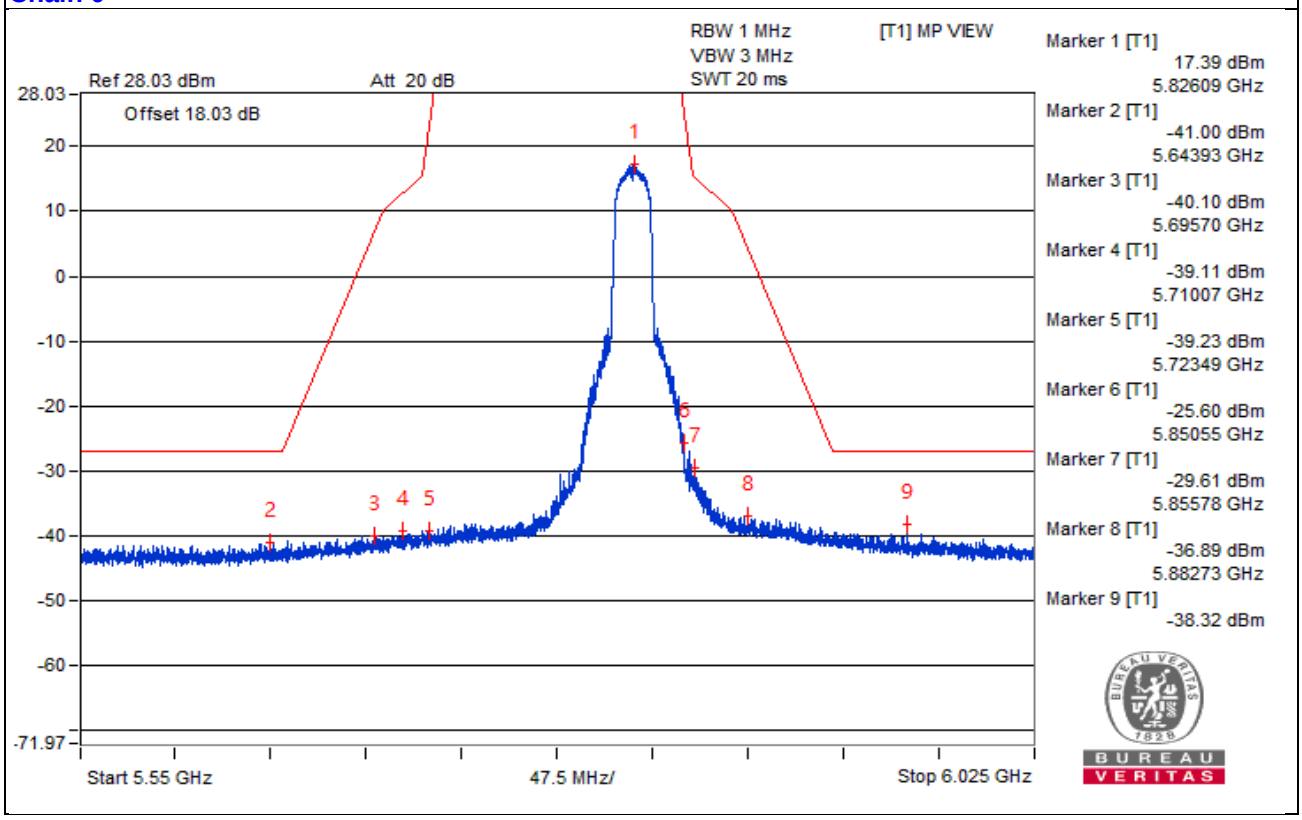

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-1.96 dBm
5.82500 GHz
Marker 2 [T1]
-63.28 dBm
4.65937 GHz
Marker 3 [T1]
-1.96 dBm
5.82500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.60 dBm
21.66356 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

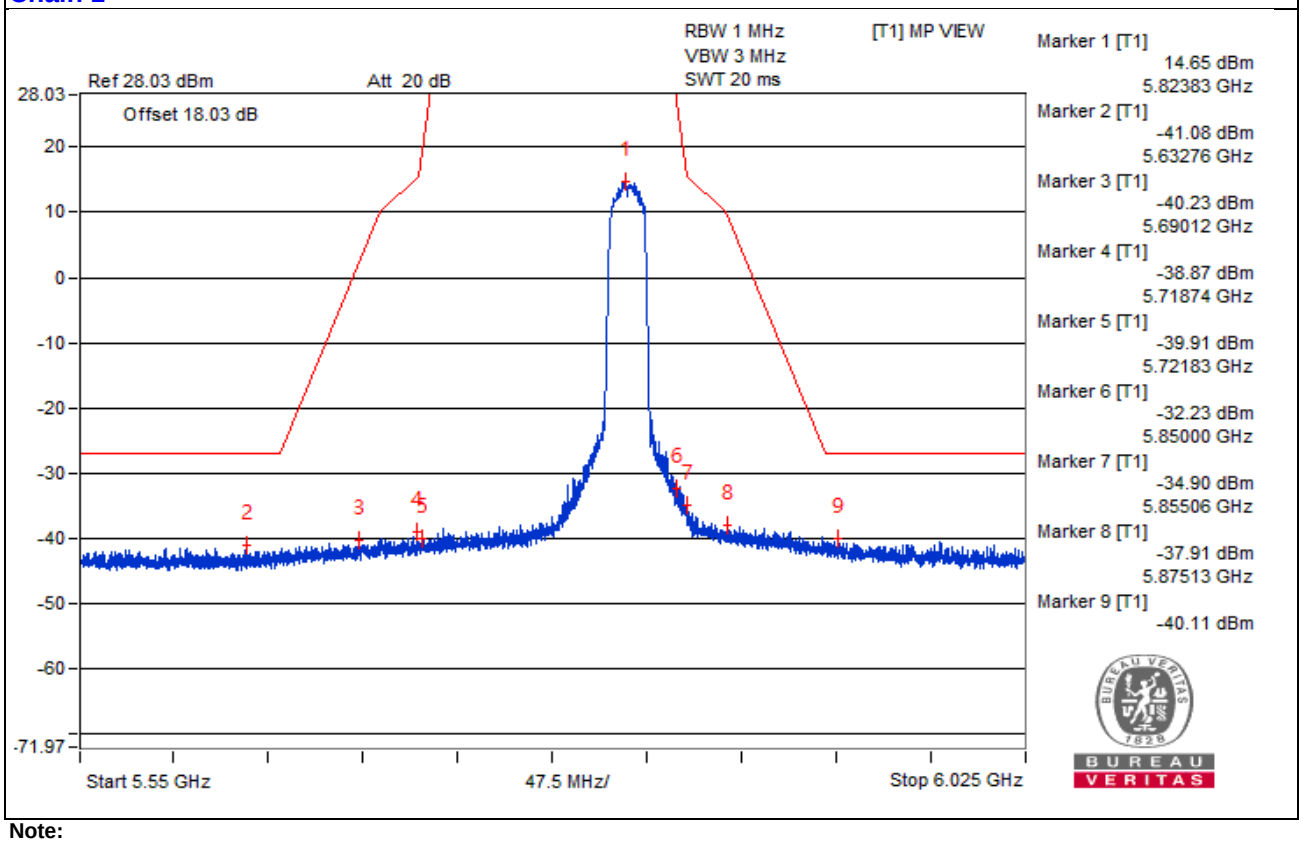

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.63 dBm
39.72062 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0



Chain 1



Note:

1. The offset including attenuator (10dB), cable loss (1.5 dB), antenna gain (3.52 dBi) and 10log2 (3.01dB).
2. The test results were EIRP.

802.11ac (VHT40) - Channel 38

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5192.18 PK	107.07	*		5.15	6.66	11.81
2	3007.81 PK	55.39	68.2	-12.81	-46.53	6.66	-39.87
3	7267.18 PK	54.88	74	-19.12	-47.04	6.66	-40.38
4	21590.25 PK	57.95	68.2	-10.25	-43.97	6.66	-37.31
5	39696.25 PK	60.08	74	-13.92	-41.84	6.66	-35.18
6	5192.18 AV	98.41	*		-3.51	6.66	3.15
7	5100 AV	40.99	54	-13.01	-60.93	6.66	-54.27
8	8304.68 AV	33.87	54	-20.13	-68.05	6.66	-61.39
9	21675.06 AV	45.49	#		-56.43	6.66	-49.77
10	39711.25 AV	48.08	54	-5.92	-53.84	6.66	-47.18

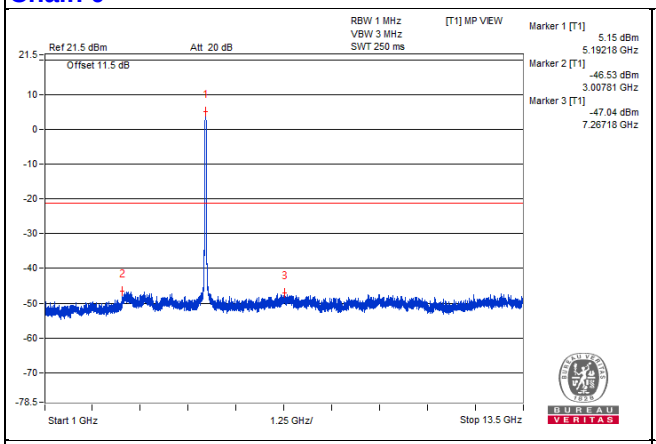
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

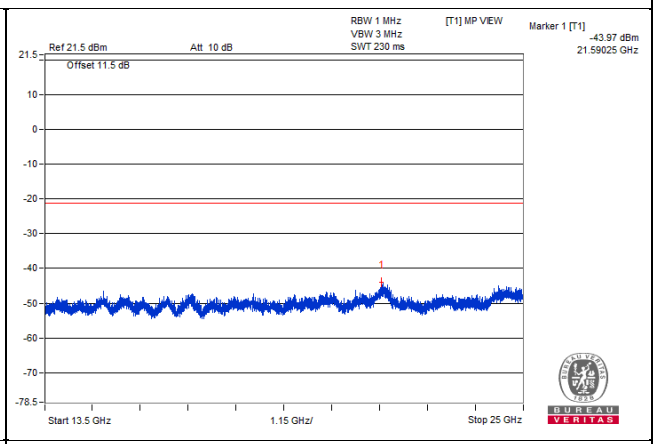
Chain 1

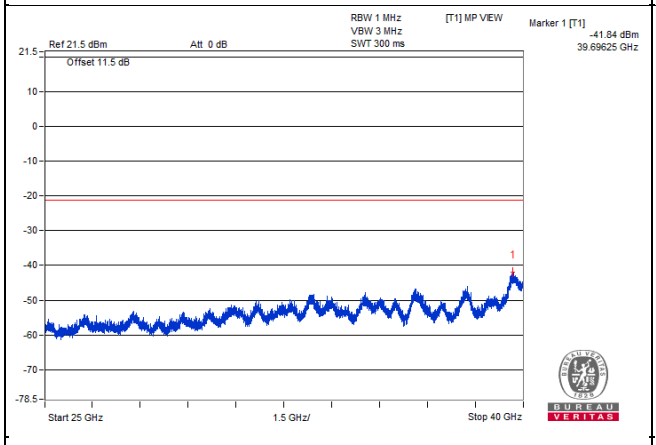
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5190.62 PK	107.16	*		5.15	6.75	11.9
2	5087.5 PK	56.03	74	-17.97	-45.98	6.75	-39.23
3	8984.37 PK	55.55	68.2	-12.65	-46.46	6.75	-39.71
4	21545.68 PK	58.11	68.2	-10.09	-43.9	6.75	-37.15
5	39756.25 PK	59.41	74	-14.59	-42.6	6.75	-35.85
6	5192.18 AV	99.28	*		-2.73	6.75	4.02
7	5100 AV	42.68	54	-11.32	-59.33	6.75	-52.58
8	7356.25 AV	33.3	54	-20.7	-68.71	6.75	-61.96
9	21633.37 AV	45.72	#		-56.29	6.75	-49.54
10	39720.62 AV	48.02	54	-5.98	-53.99	6.75	-47.24

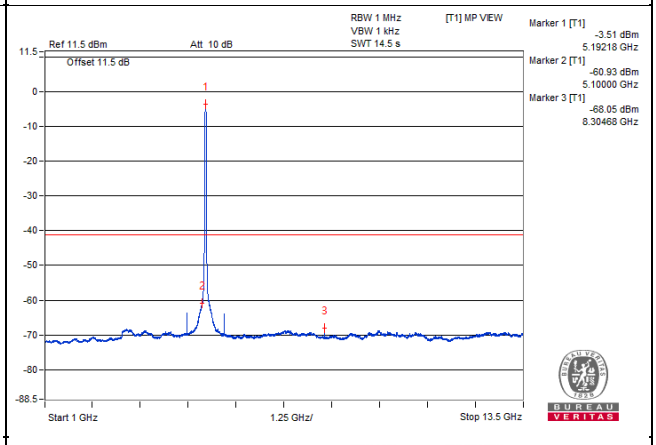
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

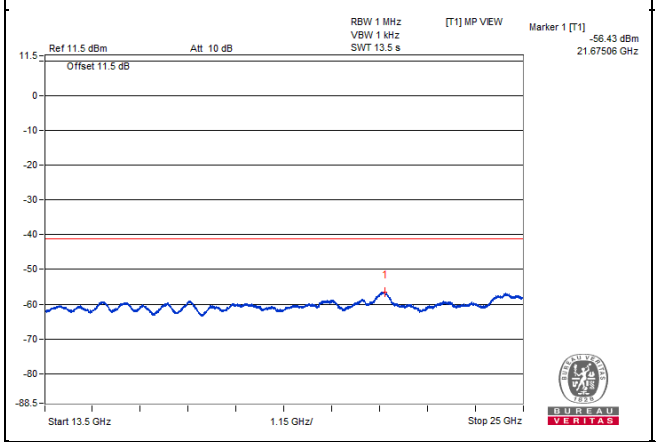
Chain 0

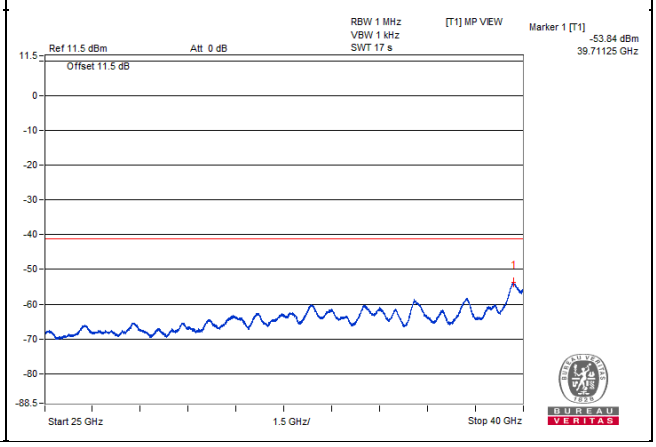

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
5.15 dBm
5.19218 GHz
Marker 2 [T1]
-46.53 dBm
3.00781 GHz
Marker 3 [T1]
-47.04 dBm
7.26718 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-43.97 dBm
21.59025 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

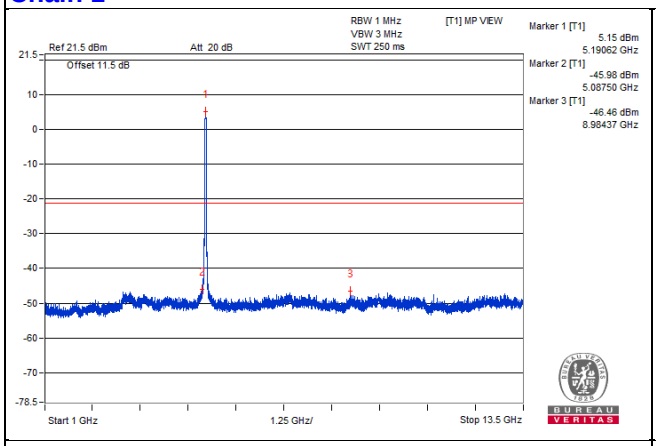

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-41.84 dBm
39.69625 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

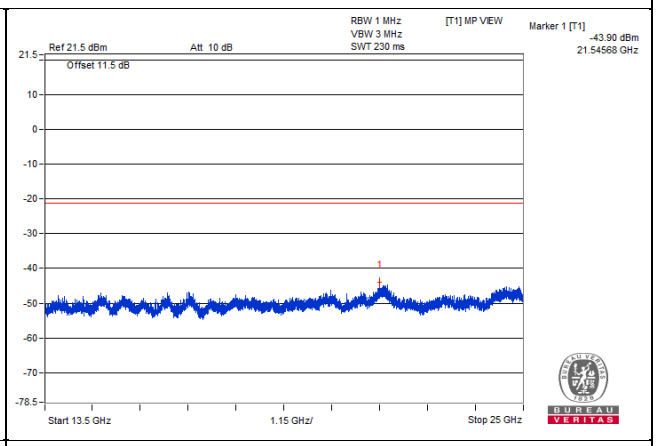

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-3.51 dBm
5.19218 GHz
Marker 2 [T1]
-60.93 dBm
5.10000 GHz
Marker 3 [T1]
-68.05 dBm
8.30468 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

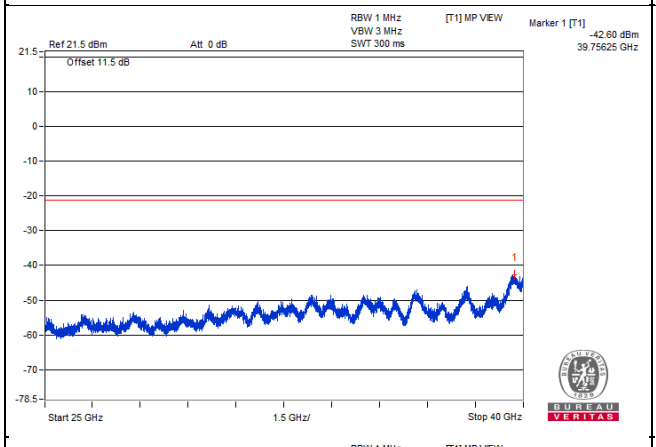

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.43 dBm
21.67506 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

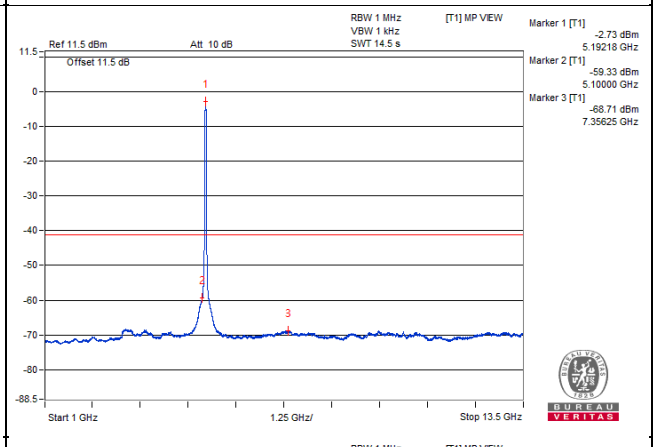

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-53.84 dBm
39.71125 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

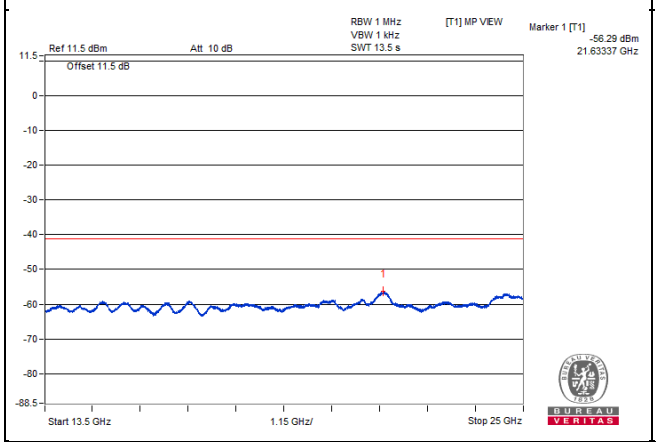
Chain 1

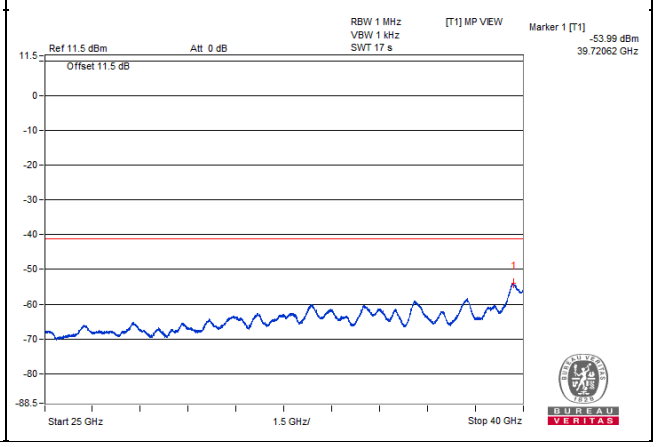

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
5.15 dBm
5.19062 GHz
Marker 2 [T1]
-45.98 dBm
5.08750 GHz
Marker 3 [T1]
-46.46 dBm
8.98437 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-43.90 dBm
21.54568 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.60 dBm
39.75625 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.73 dBm
5.19218 GHz
Marker 2 [T1]
-59.33 dBm
5.10000 GHz
Marker 3 [T1]
-68.71 dBm
7.35625 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.29 dBm
21.63337 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-53.99 dBm
39.72062 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5193.6 PK	108.14	*		6.44	6.44	12.88
2	5150 PK	63.69	74	-10.31	-38.01	6.44	-31.57
3	5149.52 PK	66	74	-8	-35.7	6.44	-29.26
4	5191.9 AV	97.28	*		-4.42	6.44	2.02
5	5150 AV	51.52	54	-2.48	-50.18	6.44	-43.74
6	5149.97 AV	51.53	54	-2.47	-50.17	6.44	-43.73

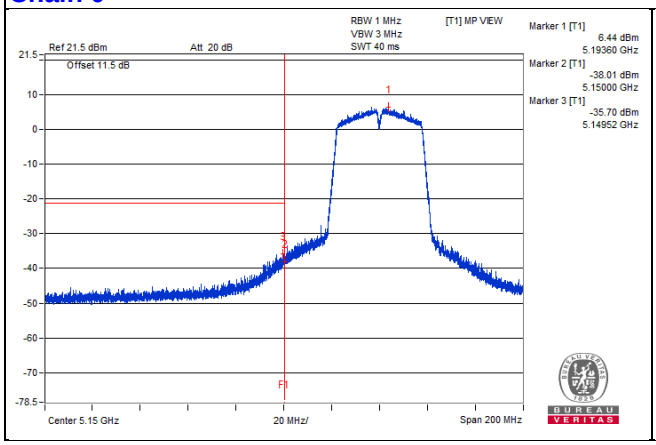
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

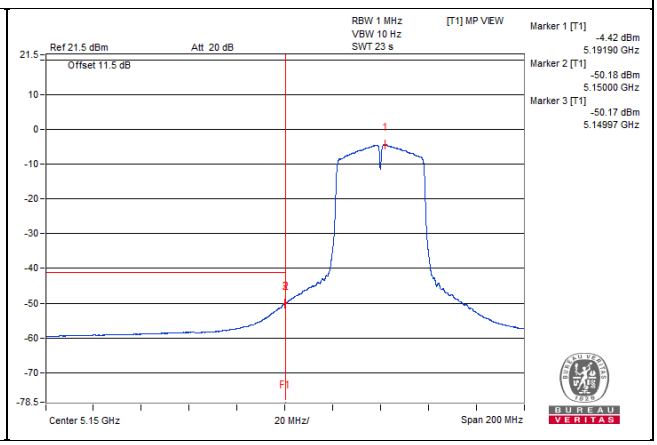
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5188.02 PK	108.63	*		6.95	6.42	13.37
2	5150 PK	66.44	74	-7.56	-35.24	6.42	-28.82
3	5148.9 PK	67.46	74	-6.54	-34.22	6.42	-27.8
4	5191.55 AV	97.94	*		-3.74	6.42	2.68
5	**5150 AV**	**52.49**	**54**	**-1.51**	**-49.19**	**6.42**	**-42.77**

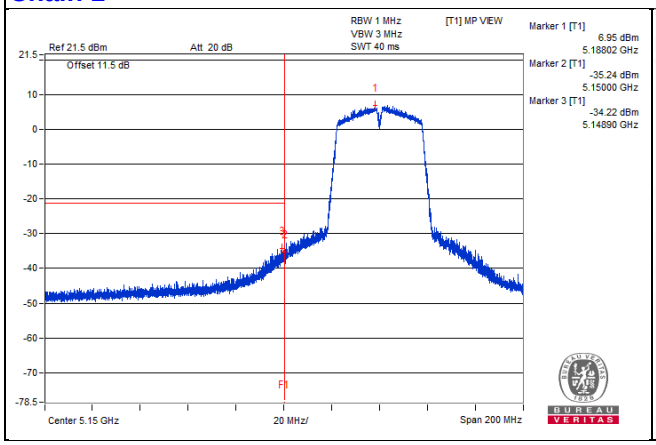
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

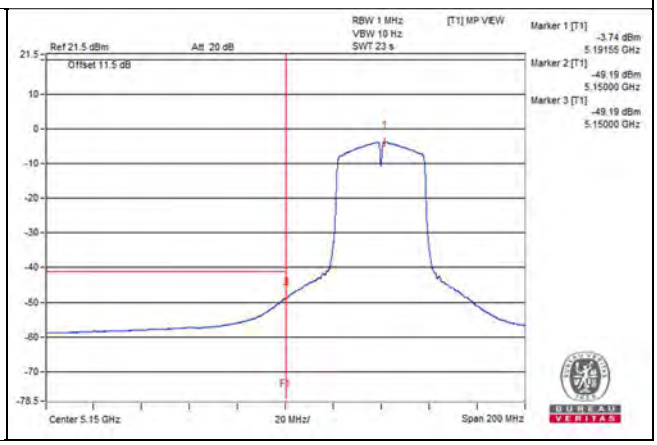
Chain 0





Chain 1





802.11ac (VHT40) - Channel 46

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5225 PK	107.79	*		5.87	6.66	12.53
2	3170.31 PK	56.26	68.2	-11.94	-45.66	6.66	-39
3	7153.12 PK	55.23	68.2	-12.97	-46.69	6.66	-40.03
4	24650.68 PK	57.62	68.2	-10.58	-44.3	6.66	-37.64
5	39701.87 PK	59.19	74	-14.81	-42.73	6.66	-36.07
6	5228.12 AV	99.15	*		-2.77	6.66	3.89
7	5095.31 AV	39.03	54	-14.97	-62.89	6.66	-56.23
8	7332.81 AV	33.1	54	-20.9	-68.82	6.66	-62.16
9	21660.68 AV	45.53	#		-56.39	6.66	-49.73
10	39694.37 AV	47.48	54	-6.52	-54.44	6.66	-47.78

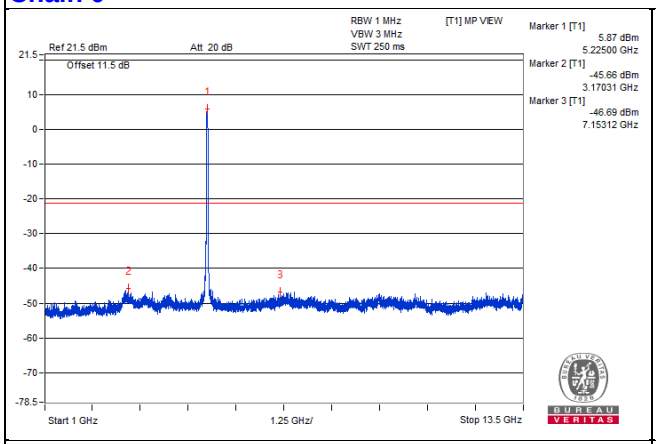
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

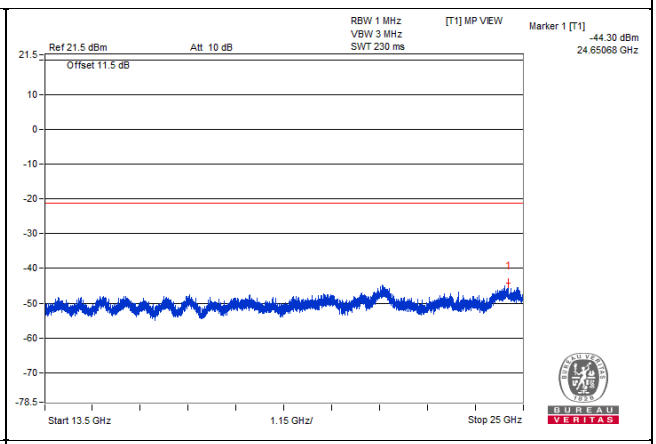
Chain 1

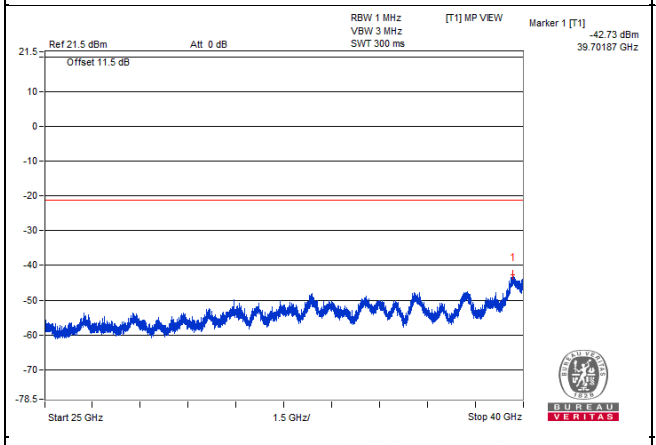
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5225 PK	107.63	*		5.62	6.75	12.37
2	4271.87 PK	55.36	74	-18.64	-46.65	6.75	-39.9
3	7334.37 PK	55.92	74	-18.08	-46.09	6.75	-39.34
4	21660.68 PK	56.82	68.2	-11.38	-45.19	6.75	-38.44
5	39666.25 PK	59.98	74	-14.02	-42.03	6.75	-35.28
6	5226.56 AV	99.23	*		-2.78	6.75	3.97
7	5098.43 AV	40	54	-14	-62.01	6.75	-55.26
8	7360.93 AV	33.16	54	-20.84	-68.85	6.75	-62.1
9	21630.5 AV	45.47	#		-56.54	6.75	-49.79
10	39720.62 AV	47.49	54	-6.51	-54.52	6.75	-47.77

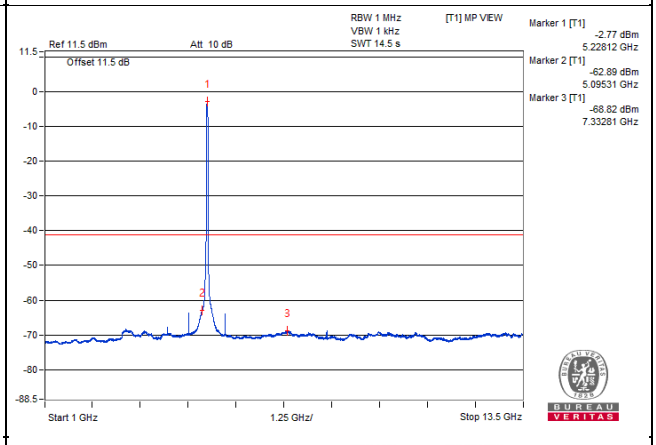
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

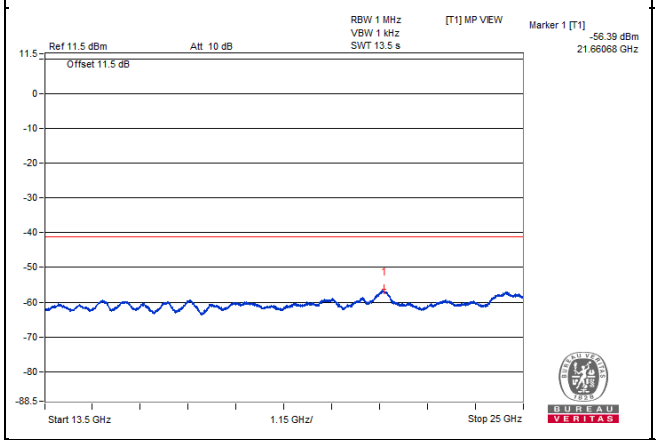
Chain 0

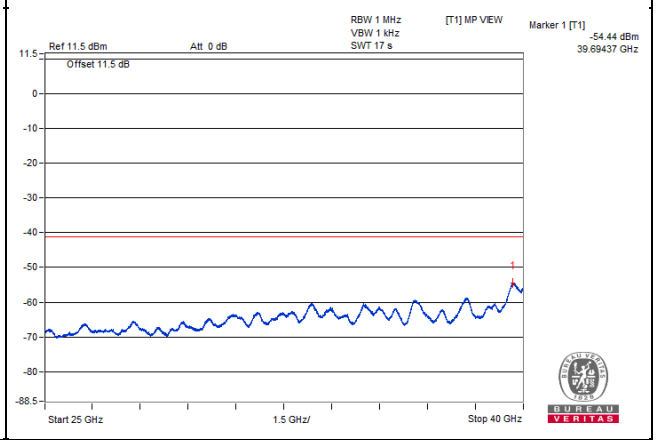

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
5.87 dBm
5.22500 GHz
Marker 2 [T1]
-45.66 dBm
3.17031 GHz
Marker 3 [T1]
-46.69 dBm
7.15312 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.30 dBm
24.65068 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

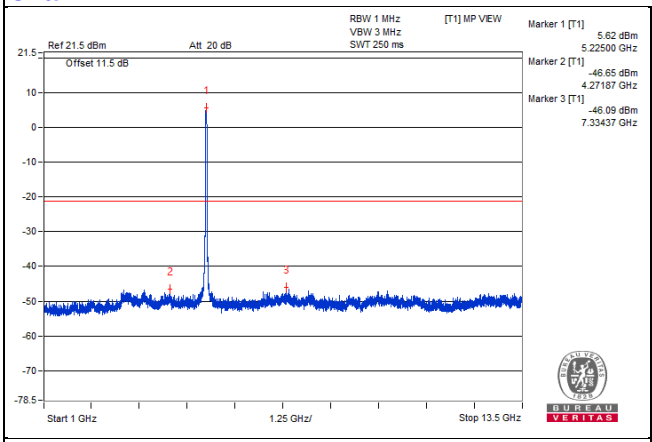

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.73 dBm
39.70187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

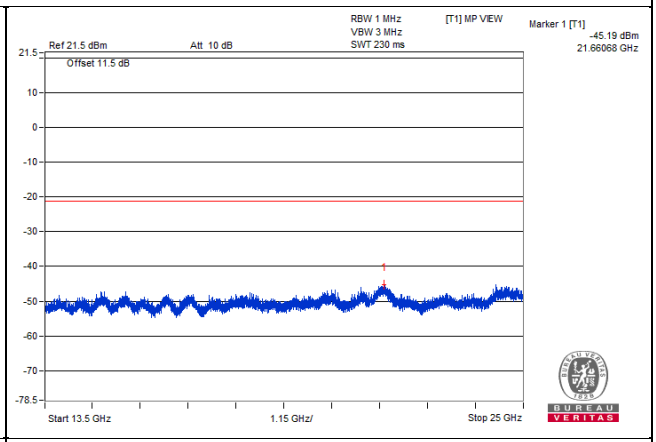

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.77 dBm
5.22812 GHz
Marker 2 [T1]
-62.89 dBm
5.09531 GHz
Marker 3 [T1]
-68.82 dBm
7.33281 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

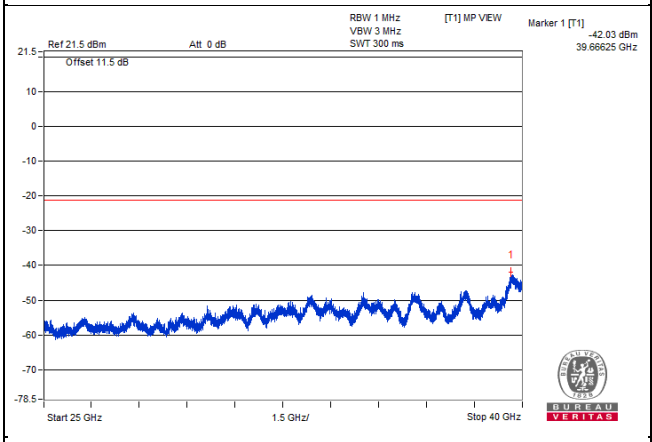

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.39 dBm
21.66068 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

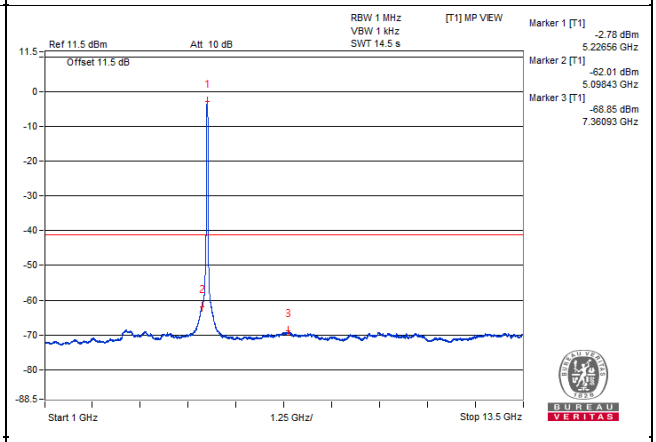

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.44 dBm
39.69437 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

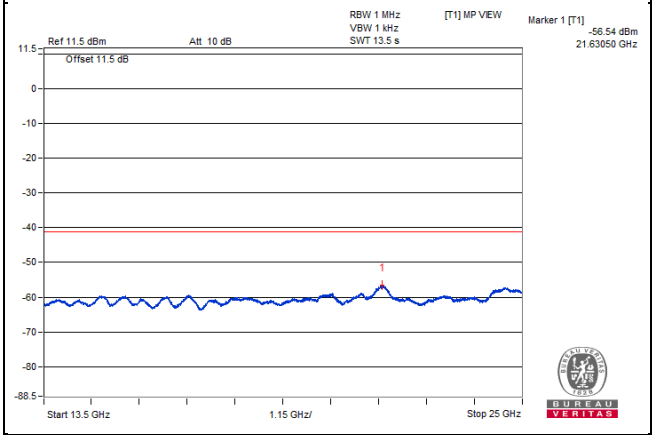
Chain 1

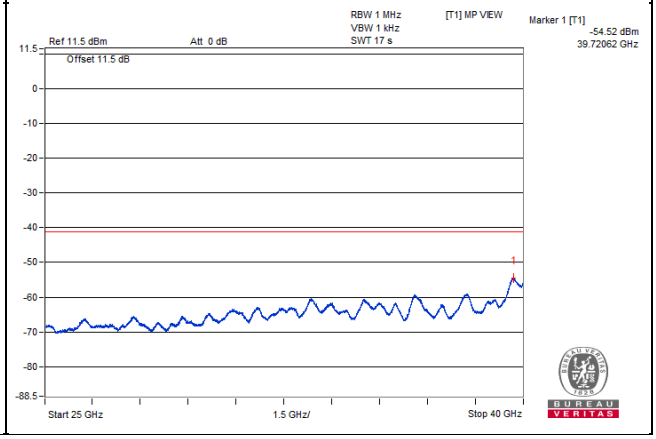

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
5.62 dBm
5.22500 GHz
Marker 2 [T1]
-46.65 dBm
4.27187 GHz
Marker 3 [T1]
-46.09 dBm
7.33437 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-45.19 dBm
21.66068 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.03 dBm
39.66625 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.78 dBm
5.22656 GHz
Marker 2 [T1]
-62.01 dBm
5.09843 GHz
Marker 3 [T1]
-68.85 dBm
7.36093 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.54 dBm
21.63050 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.52 dBm
39.72062 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5227.52 PK	109.12	*		7.42	6.44	13.86
2	5150 PK	53.92	74	-20.08	-47.78	6.44	-41.34
3	5117.22 PK	56.43	74	-17.57	-45.27	6.44	-38.83
4	5228.55 AV	98.72	*		-2.98	6.44	3.46
5	5150 AV	43.28	54	-10.72	-58.42	6.44	-51.98
6	5147.8 AV	43.31	54	-10.69	-58.39	6.44	-51.95

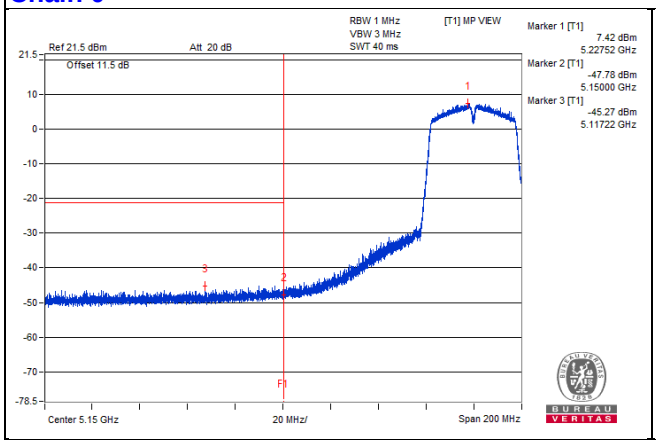
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

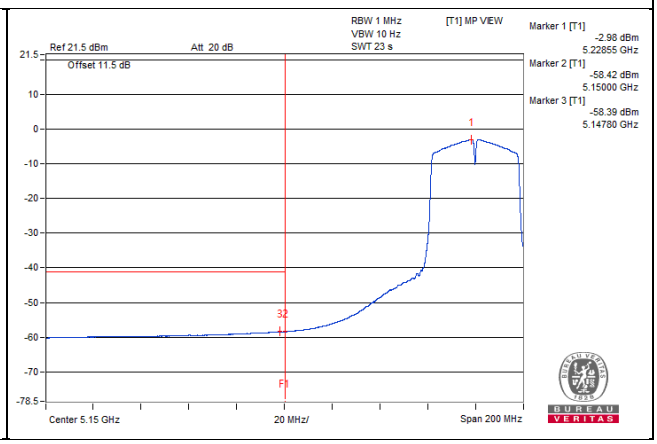
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5232.55 PK	109.47	*		7.79	6.42	14.21
2	5150 PK	55.76	74	-18.24	-45.92	6.42	-39.5
3	5132.45 PK	57.4	74	-16.6	-44.28	6.42	-37.86
4	5228.12 AV	98.56	*		-3.12	6.42	3.3
5	5150 AV	44.11	54	-9.89	-57.57	6.42	-51.15
6	5149.92 AV	44.13	54	-9.87	-57.55	6.42	-51.13

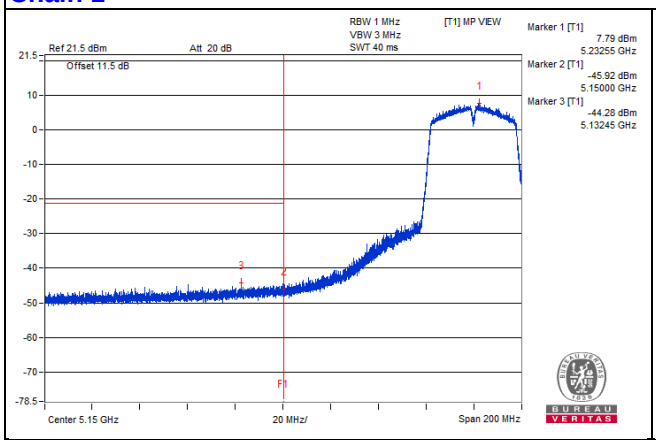
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

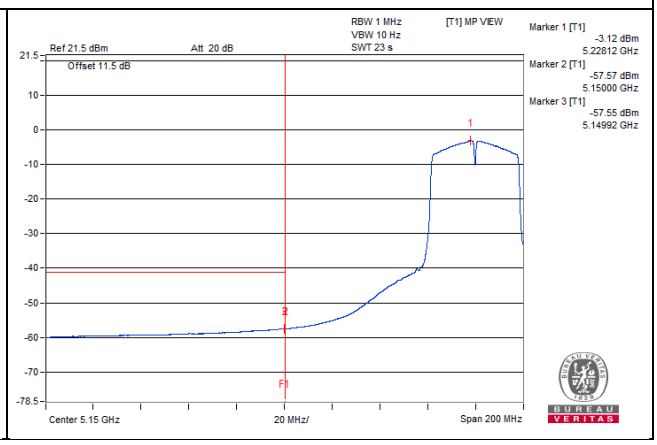
Chain 0





Chain 1





802.11ac (VHT40) - Channel 54

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5265.62 PK	107.78	*		5.86	6.66	12.52
2	3117.18 PK	55.21	68.2	-12.99	-46.71	6.66	-40.05
3	10678.12 PK	55.17	74	-18.83	-46.75	6.66	-40.09
4	21649.18 PK	57.28	68.2	-10.92	-44.64	6.66	-37.98
5	39718.75 PK	59.39	74	-14.61	-42.53	6.66	-35.87
6	5273.43 AV	99.29	*		-2.63	6.66	4.03
7	4789.06 AV	38.05	54	-15.95	-63.87	6.66	-57.21
8	7375 AV	33.44	54	-20.56	-68.48	6.66	-61.82
9	21629.06 AV	45.42	#		-56.5	6.66	-49.84
10	39731.87 AV	47.64	54	-6.36	-54.28	6.66	-47.62

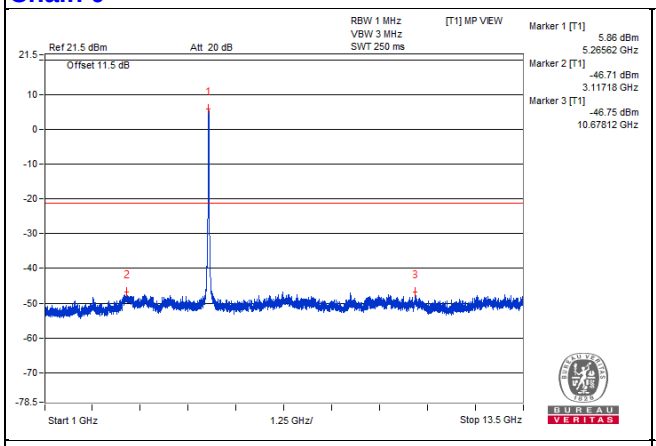
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

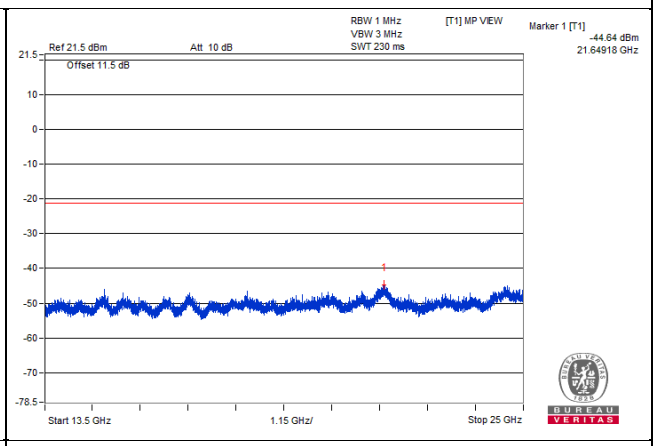
Chain 1

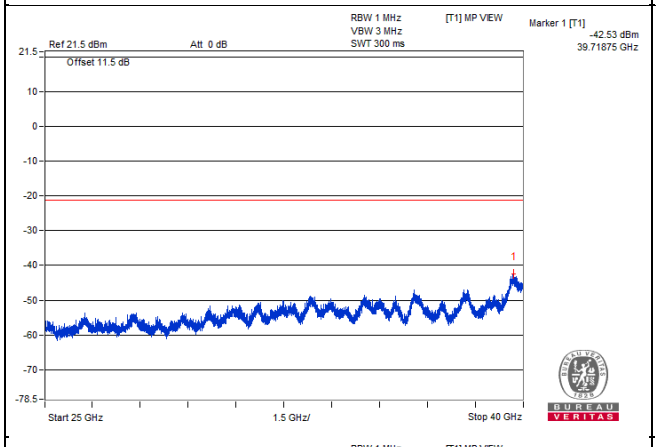
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5267.18 PK	107.25	*		5.24	6.75	11.99
2	3117.18 PK	55.08	68.2	-13.12	-46.93	6.75	-40.18
3	12737.5 PK	55.07	68.2	-13.13	-46.94	6.75	-40.19
4	24657.87 PK	57.32	68.2	-10.88	-44.69	6.75	-37.94
5	39671.87 PK	59.61	74	-14.39	-42.4	6.75	-35.65
6	5271.87 AV	98.8	*		-3.21	6.75	3.54
7	5100 AV	38.22	54	-15.78	-63.79	6.75	-57.04
8	7350 AV	33.01	54	-20.99	-69	6.75	-62.25
9	21647.75 AV	45.39	#		-56.62	6.75	-49.87
10	39728.12 AV	47.62	54	-6.38	-54.39	6.75	-47.64

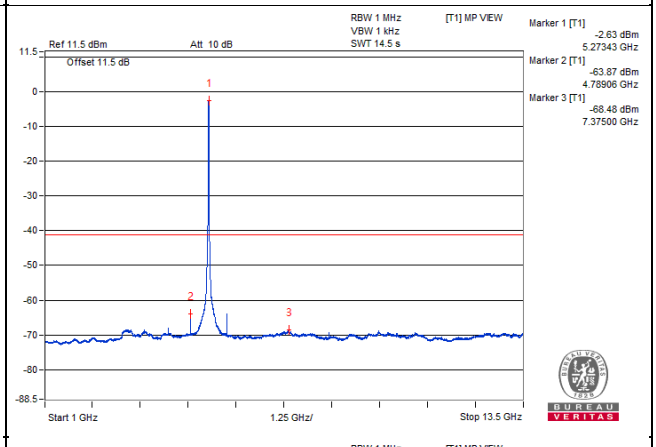
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

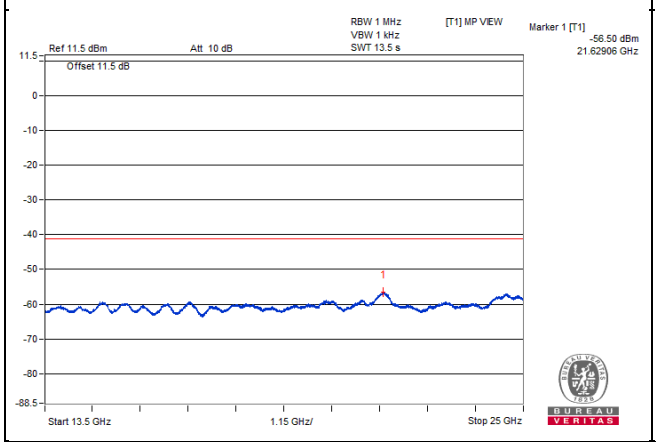
Chain 0

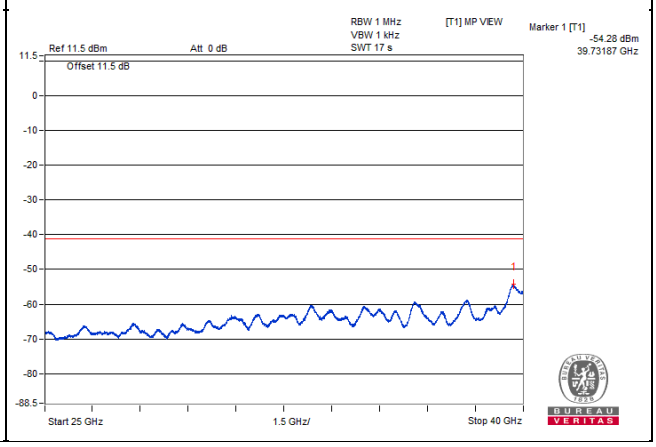

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
5.86 dBm
5.26562 GHz
Marker 2 [T1]
-46.71 dBm
3.11718 GHz
Marker 3 [T1]
-46.75 dBm
10.67812 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.64 dBm
21.64918 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

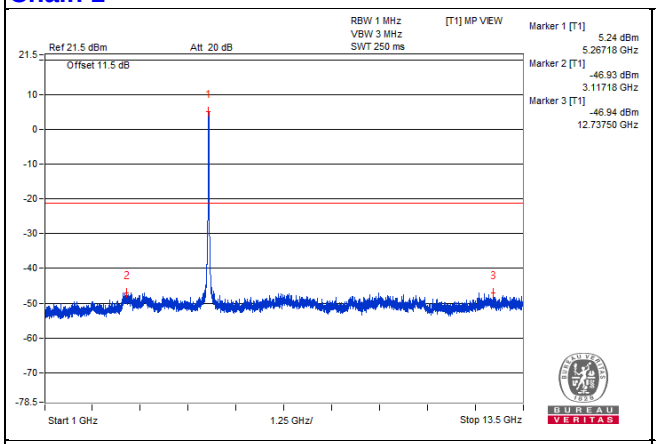

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.53 dBm
39.71875 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

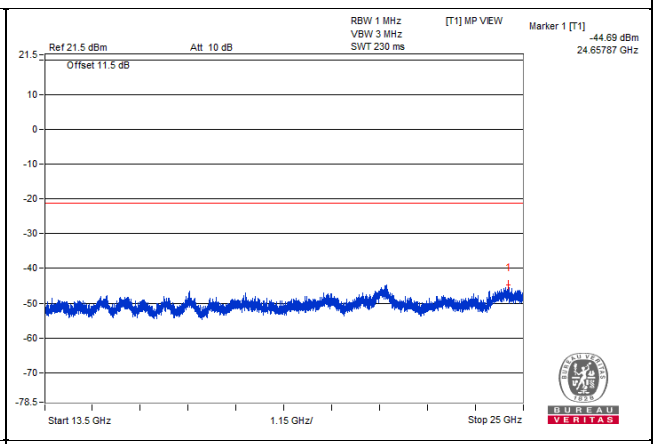

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.63 dBm
5.27343 GHz
Marker 2 [T1]
-63.87 dBm
4.78906 GHz
Marker 3 [T1]
-68.48 dBm
7.37500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

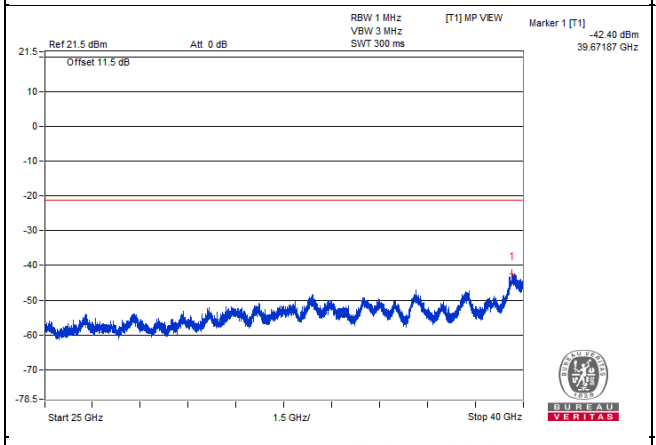

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.50 dBm
21.62906 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

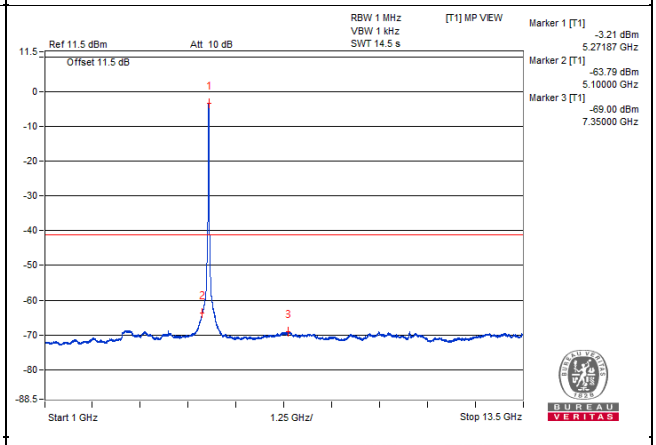

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.28 dBm
39.73187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

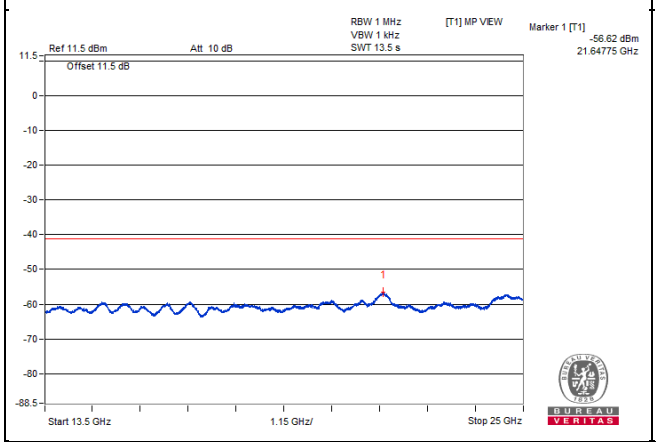
Chain 1

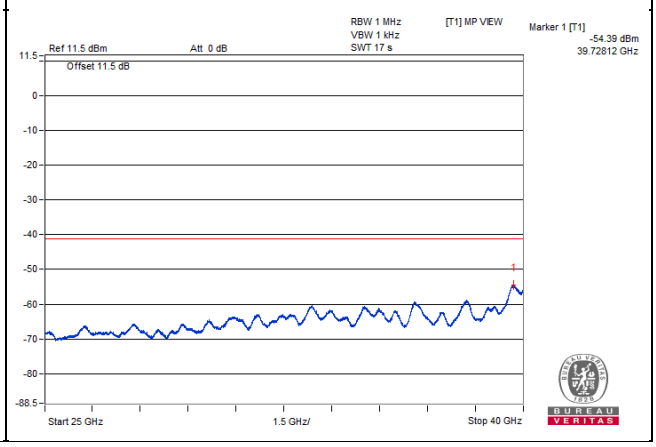

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
5.24 dBm
5.26718 GHz
Marker 2 [T1]
-46.93 dBm
3.11718 GHz
Marker 3 [T1]
-46.94 dBm
12.73750 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.69 dBm
24.65787 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.40 dBm
39.67187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-3.21 dBm
5.27187 GHz
Marker 2 [T1]
-63.79 dBm
5.10000 GHz
Marker 3 [T1]
-69.00 dBm
7.35000 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.62 dBm
21.64775 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.39 dBm
39.72812 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5266.27 PK	110.09	*		8.17	6.66	14.83
2	5350 PK	54.61	74	-19.39	-47.31	6.66	-40.65
3	5361.32 PK	57.12	74	-16.88	-44.8	6.66	-38.14
4	5268.45 AV	99.03	*		-2.89	6.66	3.77
5	5350 AV	44.01	54	-9.99	-57.91	6.66	-51.25
6	5350.02 AV	44.02	54	-9.98	-57.9	6.66	-51.24

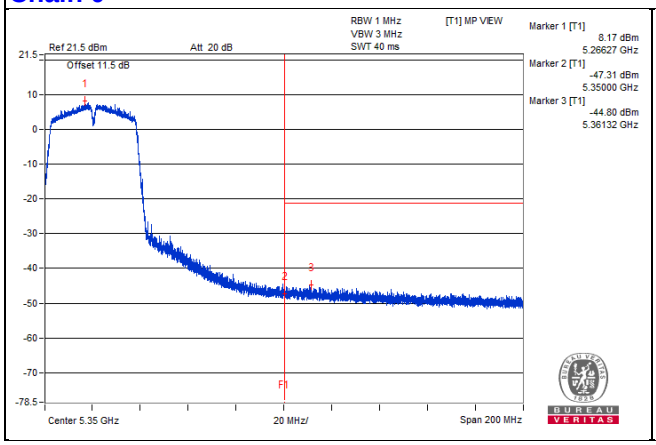
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

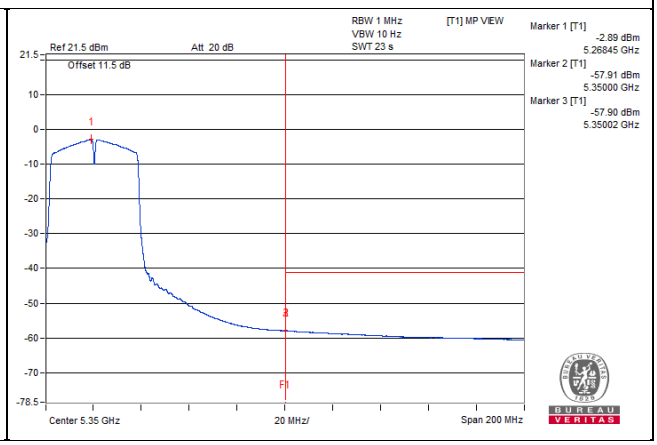
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5275.1 PK	109.14	*		7.31	6.57	13.88
2	5350 PK	53.88	74	-20.12	-47.95	6.57	-41.38
3	5361.92 PK	57.53	74	-16.47	-44.3	6.57	-37.73
4	5268.35 AV	98.57	*		-3.26	6.57	3.31
5	5350 AV	44.01	54	-9.99	-57.82	6.57	-51.25
6	5350.1 AV	44.04	54	-9.96	-57.79	6.57	-51.22

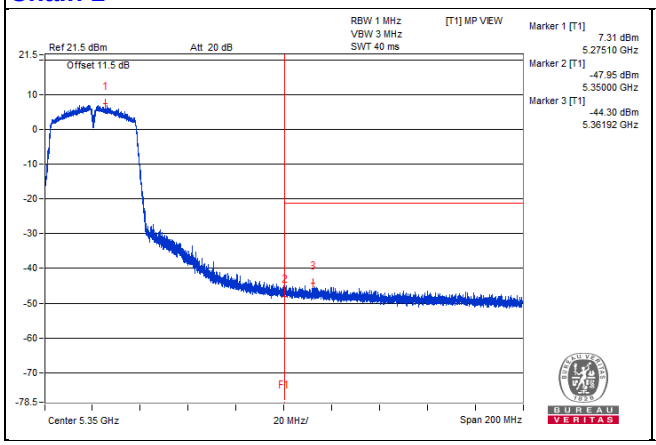
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

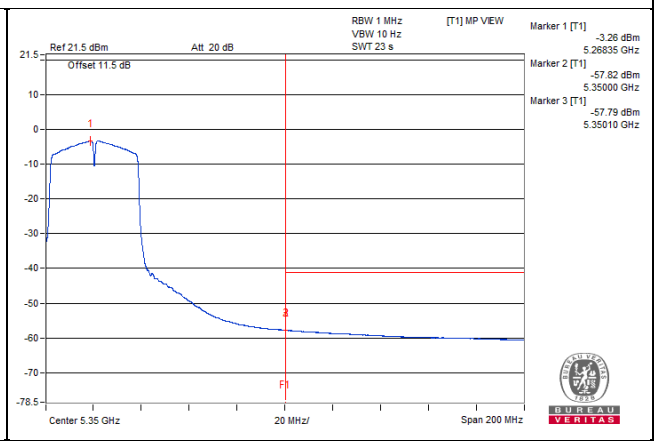
Chain 0





Chain 1





802.11ac (VHT40) - Channel 62

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5307.81 PK	108.18	*		6.26	6.66	12.92
2	3562.5 PK	55.79	74	-18.21	-46.13	6.66	-39.47
3	9948.43 PK	55.52	68.2	-12.68	-46.4	6.66	-39.74
4	21729.68 PK	57.47	68.2	-10.73	-44.45	6.66	-37.79
5	39718.75 PK	60.89	74	-13.11	-41.03	6.66	-34.37
6	5312.5 AV	99.31	*		-2.61	6.66	4.05
7	4829.68 AV	38.06	54	-15.94	-63.86	6.66	-57.2
8	5789.06 AV	39	#		-62.92	6.66	-56.26
9	21634.81 AV	45.59	#		-56.33	6.66	-49.67
10	39707.5 AV	48.02	54	-5.98	-53.9	6.66	-47.24

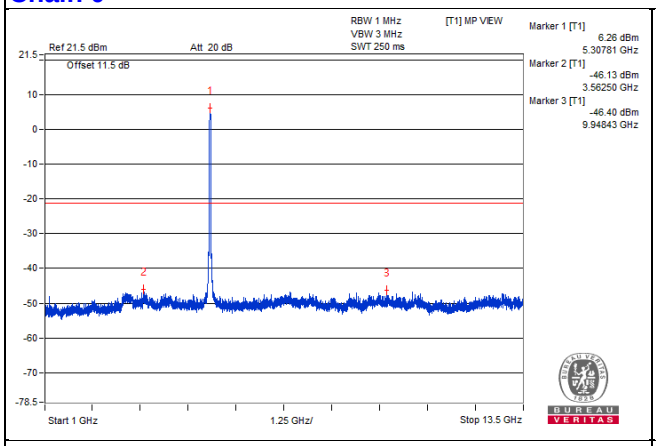
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

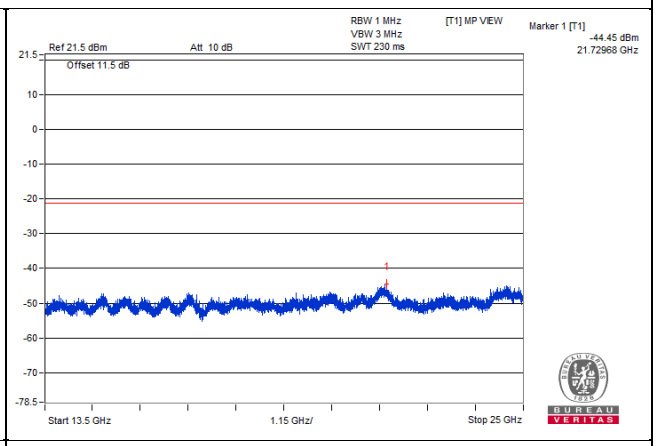
Chain 1

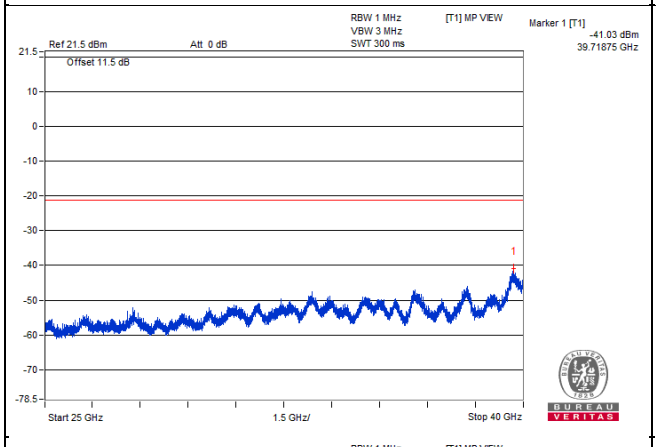
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5309.37 PK	108.72	*		6.71	6.75	13.46
2	3060.93 PK	55.98	68.2	-12.22	-46.03	6.75	-39.28
3	12628.12 PK	56.16	74	-17.84	-45.85	6.75	-39.1
4	21610.37 PK	57.77	68.2	-10.43	-44.24	6.75	-37.49
5	39662.5 PK	59.31	74	-14.69	-42.7	6.75	-35.95
6	5310.93 AV	99.26	*		-2.75	6.75	4
7	5098.43 AV	36.4	54	-17.6	-65.61	6.75	-58.86
8	7356.25 AV	33.31	54	-20.69	-68.7	6.75	-61.95
9	21619 AV	45.61	#		-56.4	6.75	-49.65
10	39703.75 AV	47.92	54	-6.08	-54.09	6.75	-47.34

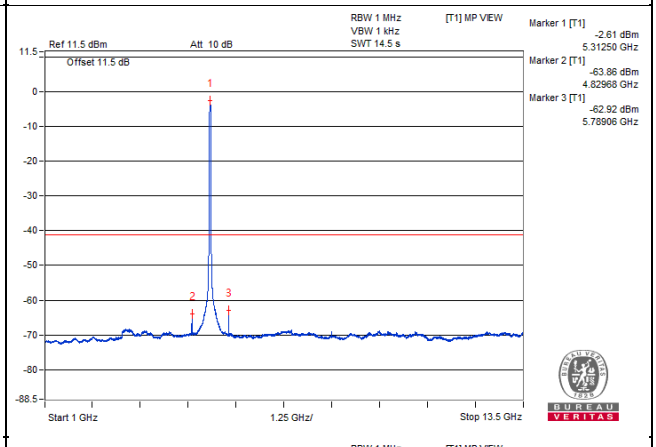
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

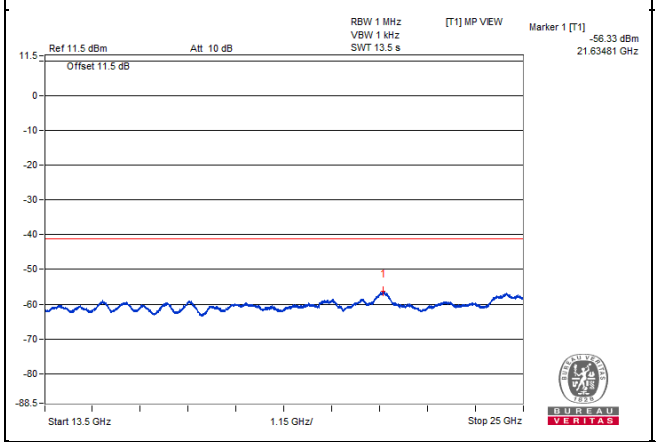
Chain 0

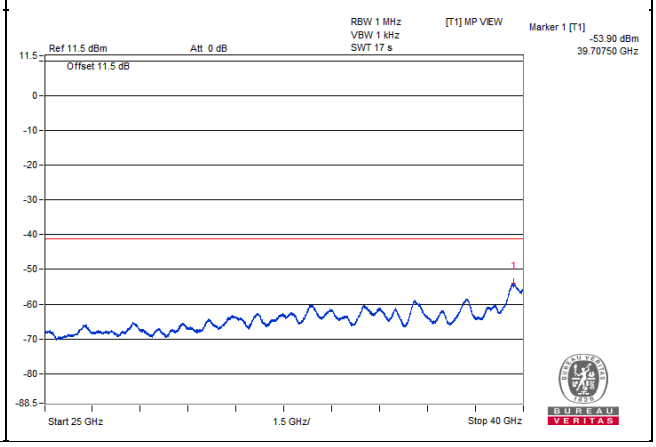

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
6.26 dBm
5.30781 GHz
Marker 2 [T1]
-46.13 dBm
3.56250 GHz
Marker 3 [T1]
-46.40 dBm
9.94843 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.45 dBm
21.72968 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

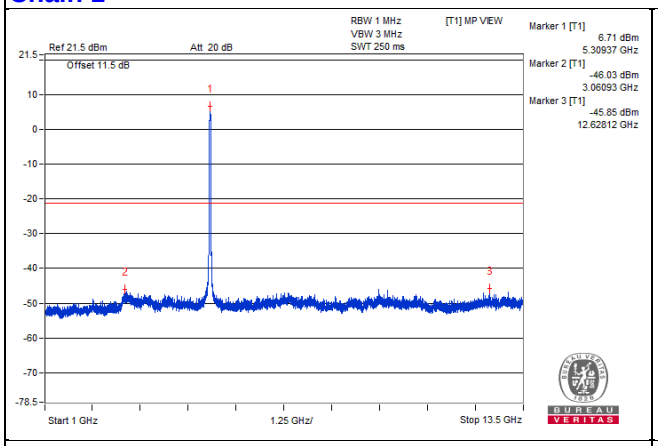

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-41.03 dBm
39.71875 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

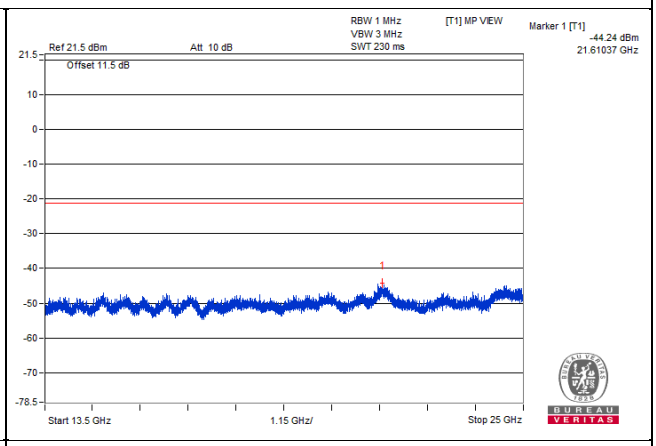

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.61 dBm
5.31250 GHz
Marker 2 [T1]
-63.86 dBm
4.82968 GHz
Marker 3 [T1]
-62.92 dBm
5.78906 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

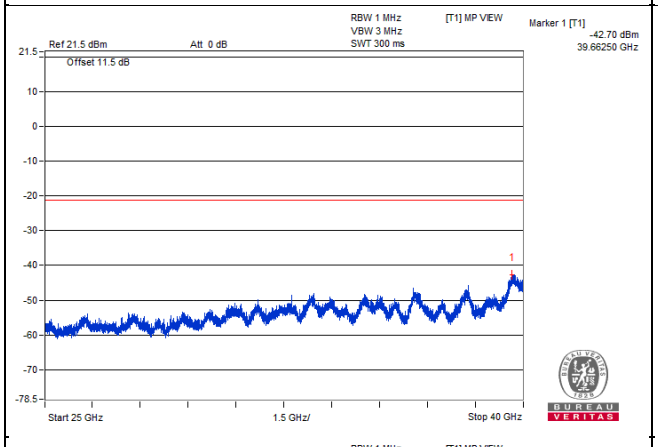

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.33 dBm
21.63481 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

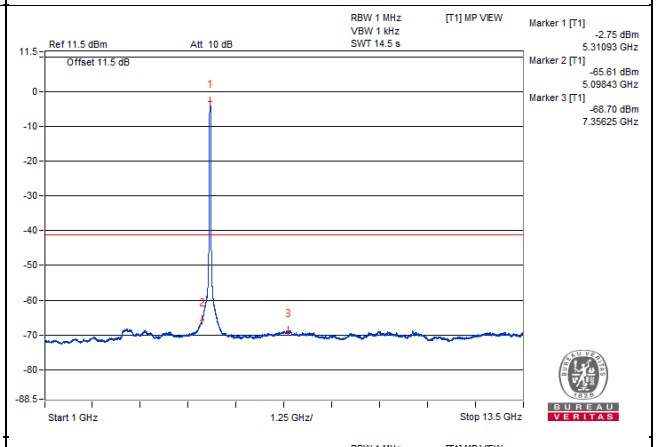

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-53.90 dBm
39.70750 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

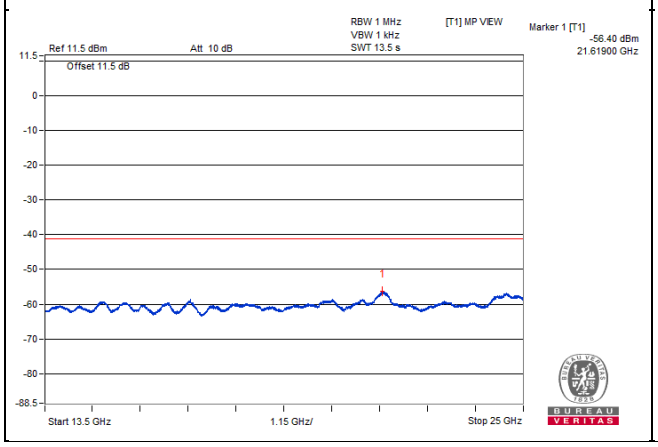
Chain 1

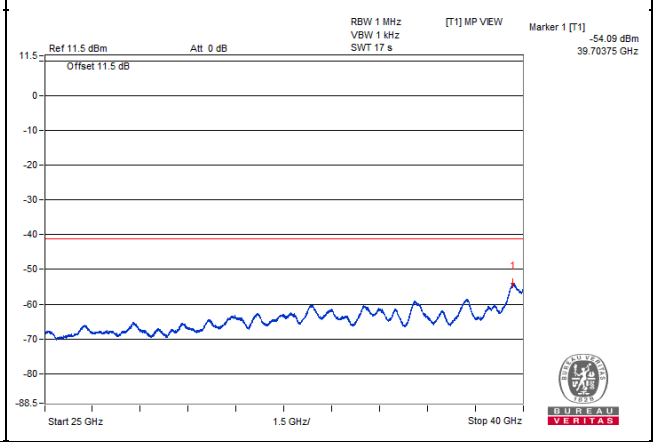

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
6.71 dBm
5.30937 GHz
Marker 2 [T1]
-46.03 dBm
3.06093 GHz
Marker 3 [T1]
-45.85 dBm
12.62812 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.24 dBm
21.61037 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.70 dBm
39.66250 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.75 dBm
5.31093 GHz
Marker 2 [T1]
-65.61 dBm
5.09843 GHz
Marker 3 [T1]
-68.70 dBm
7.35625 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.40 dBm
21.61900 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.09 dBm
39.70375 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5315.52 PK	109.74	*		7.82	6.66	14.48
2	5350 PK	63.7	74	-10.3	-38.22	6.66	-31.56
3	5350.5 PK	65.48	74	-8.52	-36.44	6.66	-29.78
4	5311.5 AV	99.11	*		-2.81	6.66	3.85
5	5350 AV	51.21	54	-2.79	-50.71	6.66	-44.05
6	5350 AV	51.21	54	-2.79	-50.71	6.66	-44.05

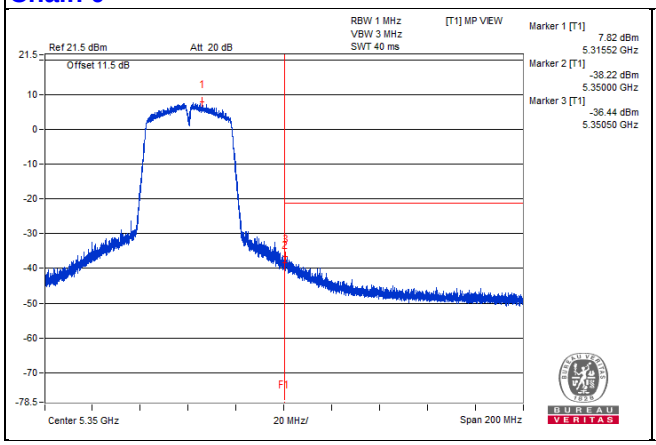
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

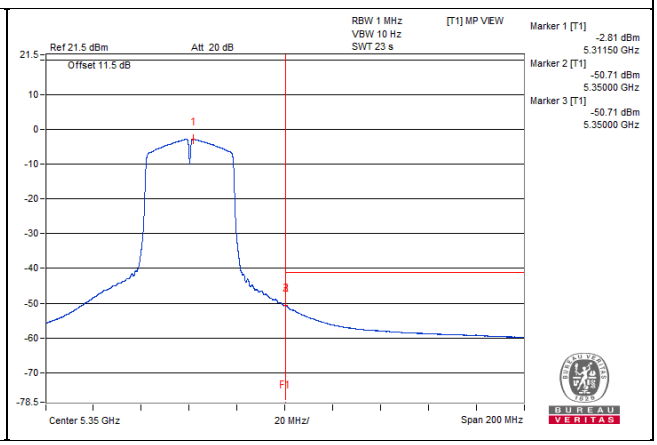
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5311.87 PK	109.54	*		7.71	6.57	14.28
2	5350 PK	63.49	74	-10.51	-38.34	6.57	-31.77
3	5350.2 PK	66.61	74	-7.39	-35.22	6.57	-28.65
4	5308.35 AV	98.84	*		-2.99	6.57	3.58
5	5350 AV	51.62	54	-2.38	-50.21	6.57	-43.64
6	5350 AV	51.62	54	-2.38	-50.21	6.57	-43.64

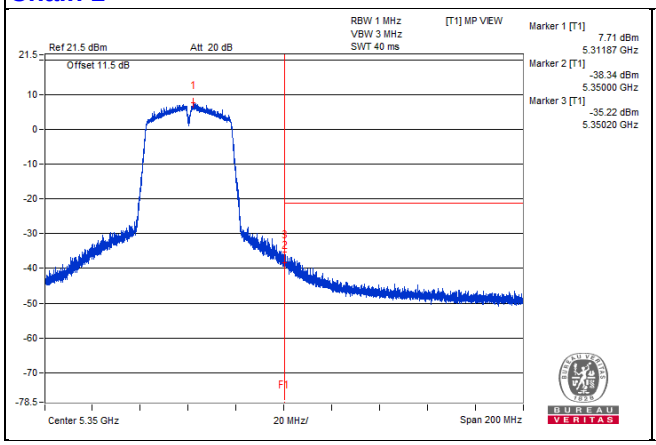
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

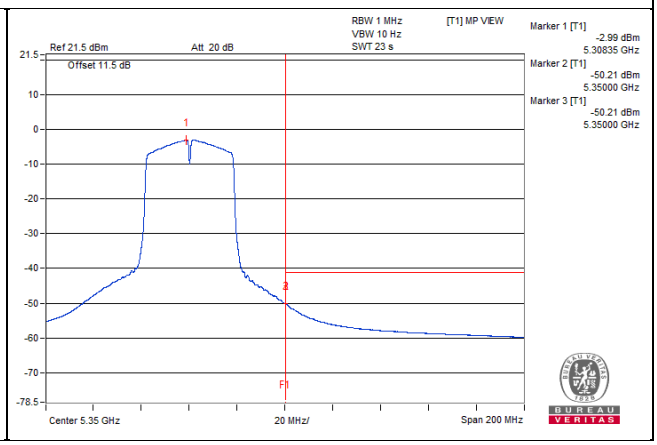
Chain 0





Chain 1





802.11ac (VHT40) - Channel 102

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5512.5 PK	106.7	*		4.78	6.66	11.44
2	3179.68 PK	55.82	68.2	-12.38	-46.1	6.66	-39.44
3	9748.43 PK	55.27	68.2	-12.93	-46.65	6.66	-39.99
4	24606.12 PK	57.34	68.2	-10.86	-44.58	6.66	-37.92
5	39724.37 PK	59.3	74	-14.7	-42.62	6.66	-35.96
6	5510.93 AV	97.92	*		-4	6.66	2.66
7	5029.68 AV	38.34	54	-15.66	-63.58	6.66	-56.92
8	5989.06 AV	39.49	#		-62.43	6.66	-55.77
9	21662.12 AV	45.3	#		-56.62	6.66	-49.96
10	39696.25 AV	47.61	54	-6.39	-54.31	6.66	-47.65

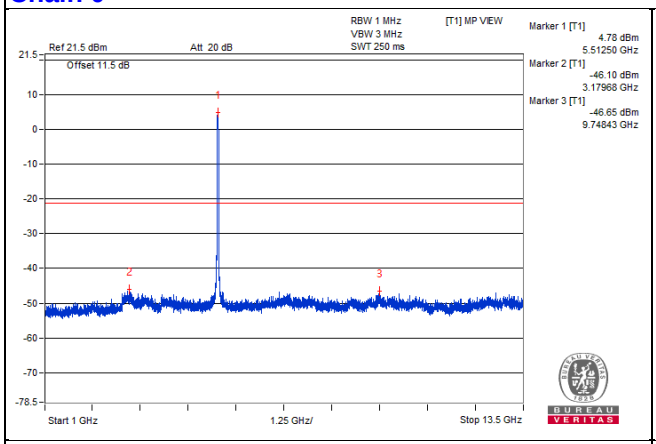
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

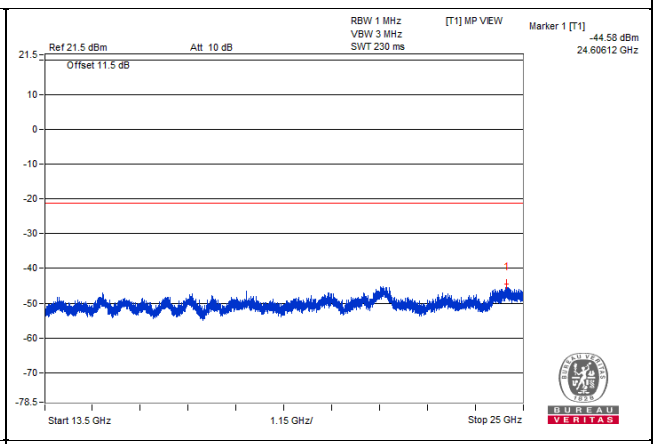
Chain 1

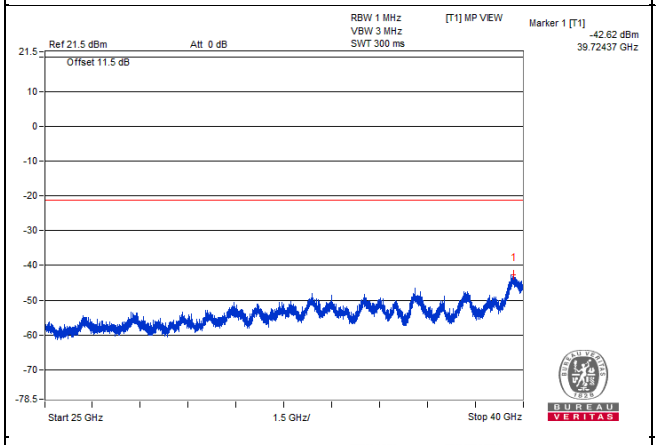
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5507.81 PK	105.3	*		3.29	6.75	10.04
2	3071.87 PK	54.94	68.2	-13.26	-47.07	6.75	-40.32
3	9490.62 PK	54.89	74	-19.11	-47.12	6.75	-40.37
4	24558.68 PK	57.44	68.2	-10.76	-44.57	6.75	-37.82
5	39679.37 PK	59.62	74	-14.38	-42.39	6.75	-35.64
6	5507.81 AV	96.74	*		-5.27	6.75	1.48
7	3093.75 AV	33.49	#		-68.52	6.75	-61.77
8	7356.25 AV	33.15	54	-20.85	-68.86	6.75	-62.11
9	21652.06 AV	45.3	#		-56.71	6.75	-49.96
10	39701.87 AV	47.58	54	-6.42	-54.43	6.75	-47.68

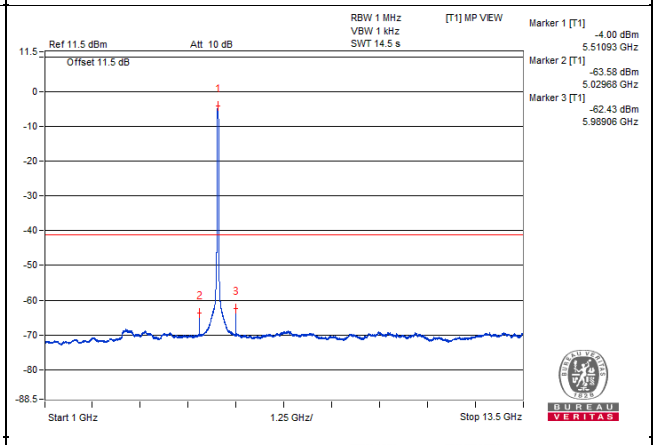
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

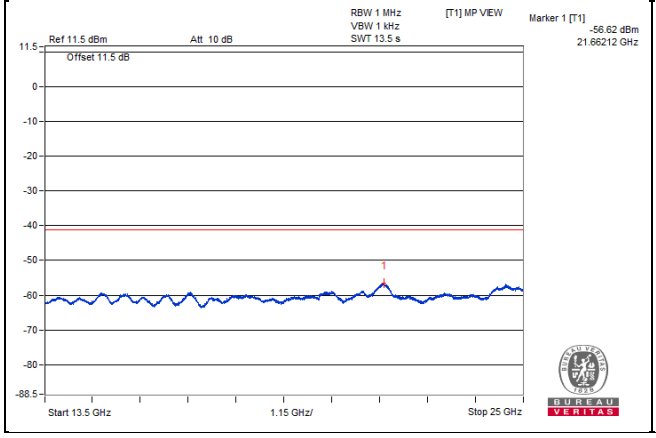
Chain 0

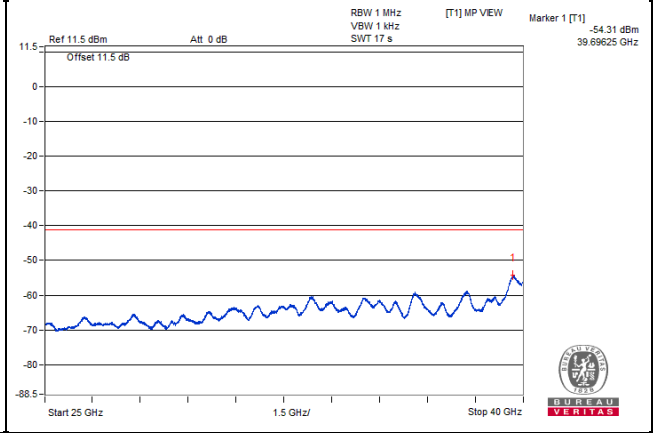

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
4.78 dBm
5.51250 GHz
Marker 2 [T1]
-46.10 dBm
3.17968 GHz
Marker 3 [T1]
-46.65 dBm
9.74843 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.58 dBm
24.60612 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

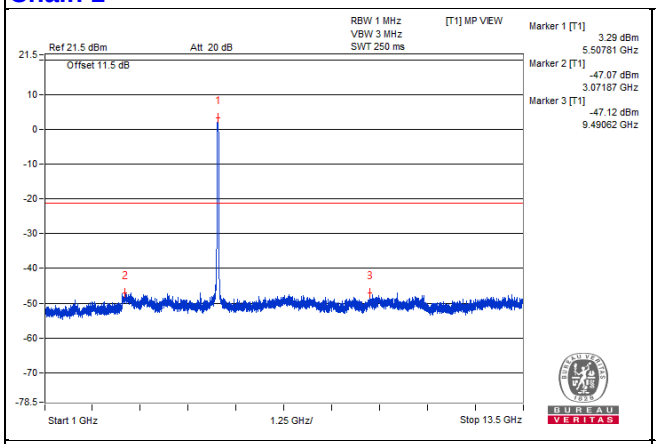

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.62 dBm
39.72437 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

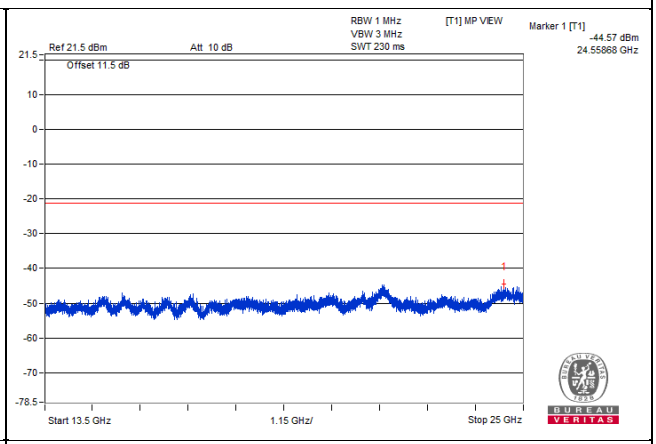

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-4.00 dBm
5.51093 GHz
Marker 2 [T1]
-63.58 dBm
5.02968 GHz
Marker 3 [T1]
-62.43 dBm
5.98906 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

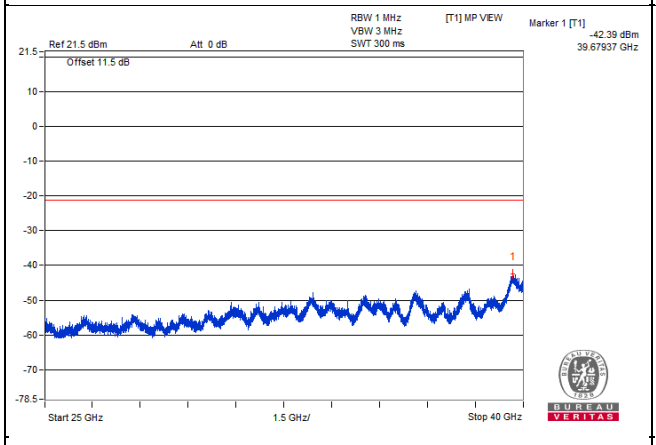

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.62 dBm
21.66212 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

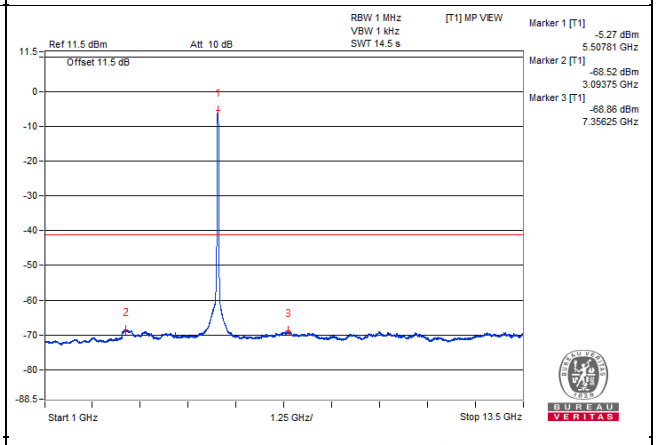

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.31 dBm
39.69625 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

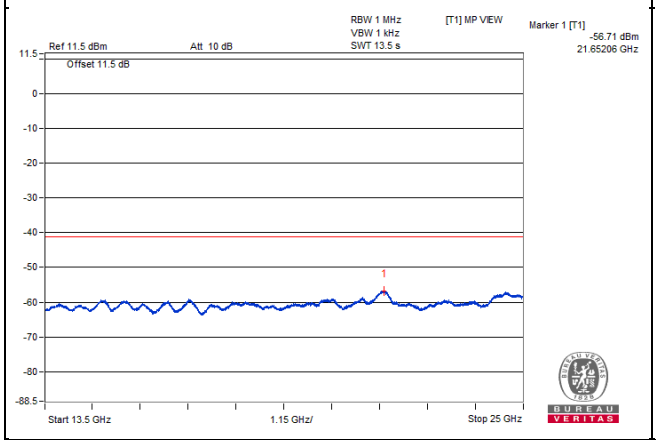
Chain 1

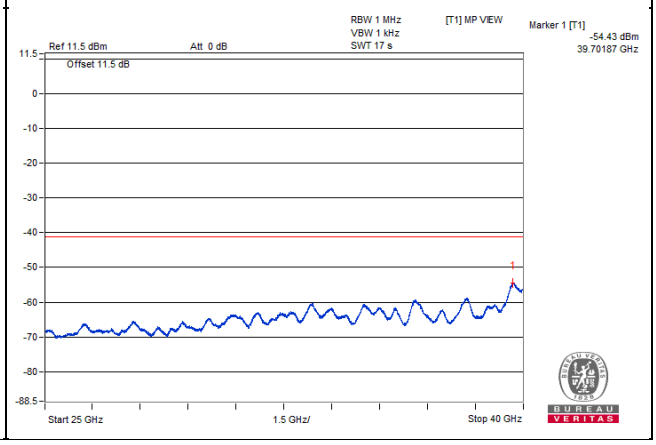

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
3.29 dBm
5.50781 GHz
Marker 2 [T1]
-47.07 dBm
3.07187 GHz
Marker 3 [T1]
-47.12 dBm
9.49062 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.57 dBm
24.55868 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.39 dBm
39.67937 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-5.27 dBm
5.50781 GHz
Marker 2 [T1]
-68.52 dBm
3.09375 GHz
Marker 3 [T1]
-68.86 dBm
7.35625 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.71 dBm
21.65206 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.43 dBm
39.70187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5512.71 PK	108.15	*		6.66	6.23	12.89
2	5470 PK	63.07	68.2	-5.13	-38.42	6.23	-32.19
3	5468.34 PK	65.87	68.2	-2.33	-35.62	6.23	-29.39
4	5508.43 AV	97.57	*		-3.92	6.23	2.31
5	5470 AV	50.86	#		-50.63	6.23	-44.4
6	5469.87 AV	50.89	#		-50.6	6.23	-44.37

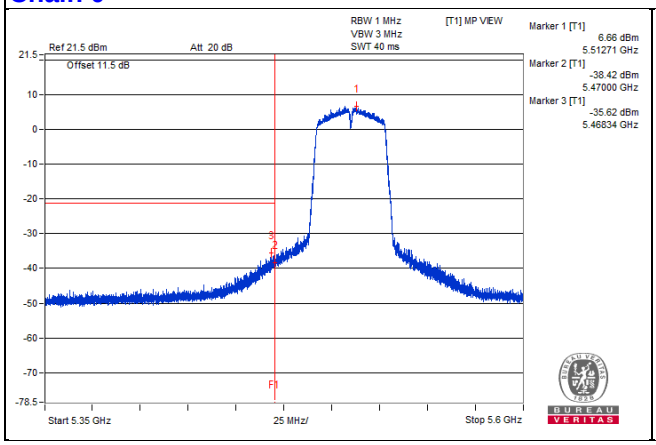
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

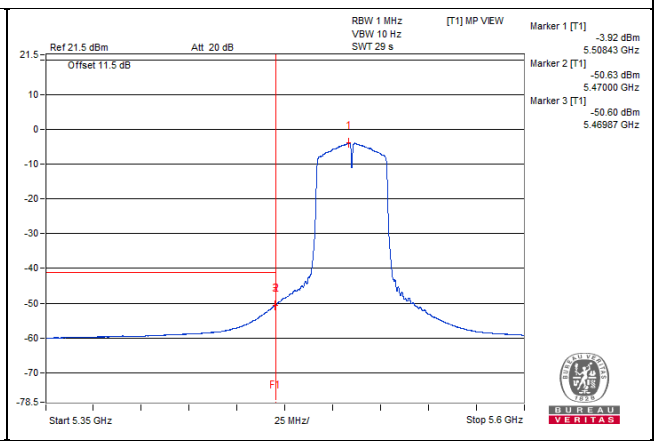
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5512.75 PK	107.26	*		5.25	6.75	12
2	5470 PK	63.52	68.2	-4.68	-38.49	6.75	-31.74
3	5469.12 PK	66.68	68.2	-1.52	-35.33	6.75	-28.58
4	5511.84 AV	97.01	*		-5	6.75	1.75
5	5470 AV	52	#		-50.01	6.75	-43.26

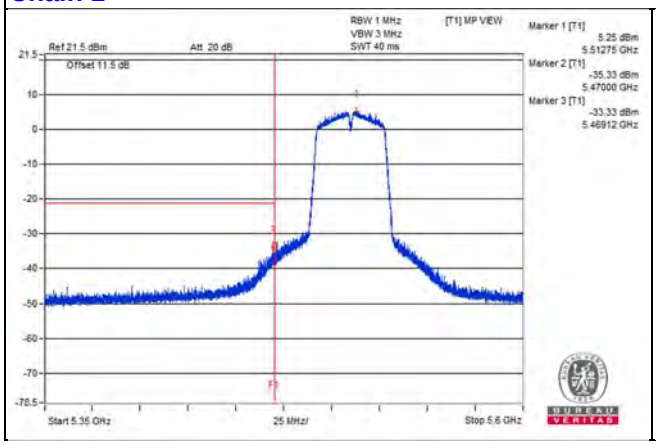
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

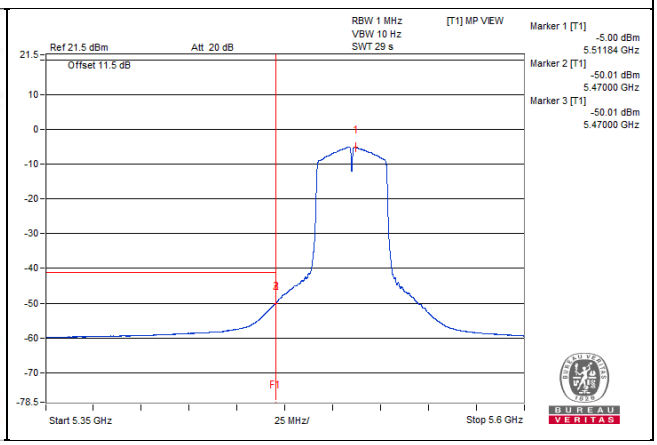
Chain 0





Chain 1





802.11ac (VHT40) - Channel 110

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5548.43 PK	108.12	*		6.2	6.66	12.86
2	3181.25 PK	55.1	68.2	-13.1	-46.82	6.66	-40.16
3	7421.87 PK	55.49	74	-18.51	-46.43	6.66	-39.77
4	21637.68 PK	57.57	68.2	-10.63	-44.35	6.66	-37.69
5	39750.62 PK	60.32	74	-13.68	-41.6	6.66	-34.94
6	5546.87 AV	99.29	*		-2.63	6.66	4.03
7	5070.31 AV	39.38	54	-14.62	-62.54	6.66	-55.88
8	6029.68 AV	39.35	#		-62.57	6.66	-55.91
9	21621.87 AV	45.57	#		-56.35	6.66	-49.69
10	39711.25 AV	47.55	54	-6.45	-54.37	6.66	-47.71

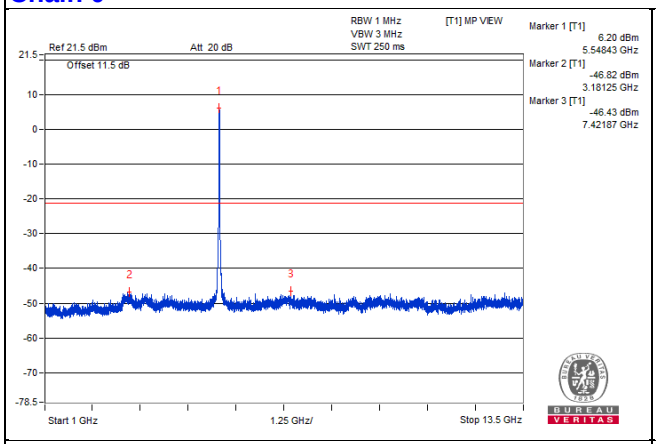
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

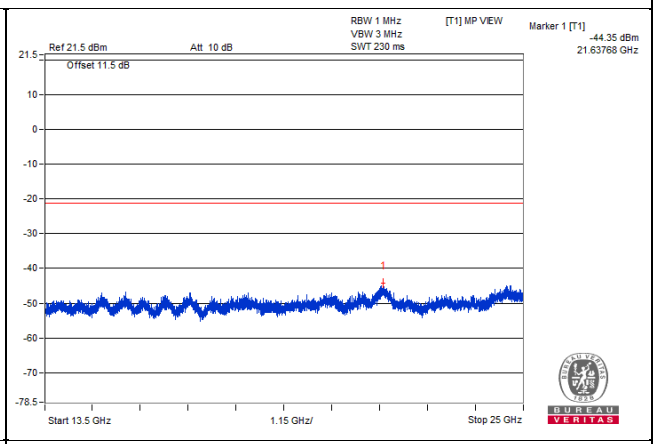
Chain 1

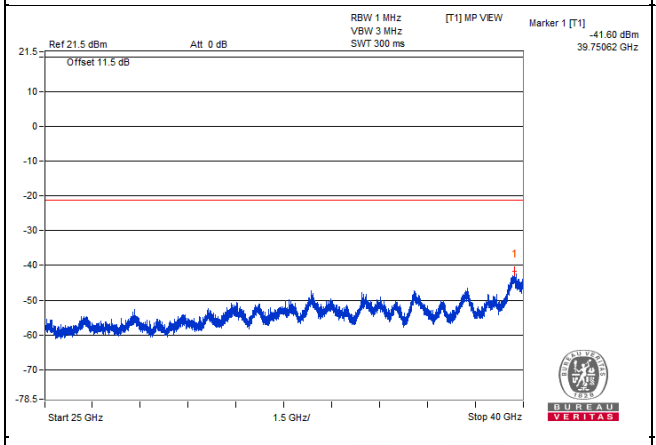
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5550 PK	107.03	*		5.02	6.75	11.77
2	3617.18 PK	55.79	74	-18.21	-46.22	6.75	-39.47
3	12923.43 PK	55.16	68.2	-13.04	-46.85	6.75	-40.1
4	21689.43 PK	57.6	68.2	-10.6	-44.41	6.75	-37.66
5	39638.12 PK	60.41	74	-13.59	-41.6	6.75	-34.85
6	5548.43 AV	97.94	*		-4.07	6.75	2.68
7	4439.06 AV	36.9	#		-65.11	6.75	-58.36
8	5775 AV	34.07	#		-67.94	6.75	-61.19
9	21663.56 AV	45.43	#		-56.58	6.75	-49.83
10	39720.62 AV	47.72	54	-6.28	-54.29	6.75	-47.54

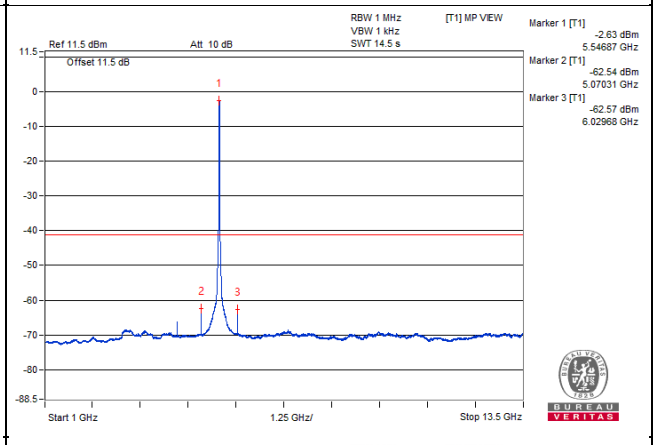
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

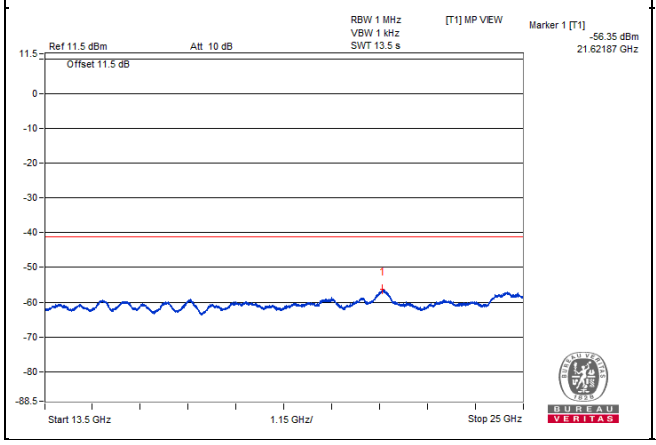
Chain 0

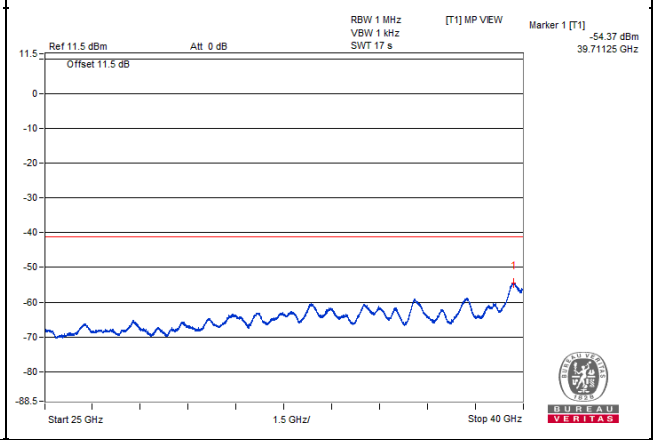

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
6.20 dBm
5.54843 GHz
Marker 2 [T1]
-46.82 dBm
3.18125 GHz
Marker 3 [T1]
-46.43 dBm
7.42187 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.35 dBm
21.63768 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

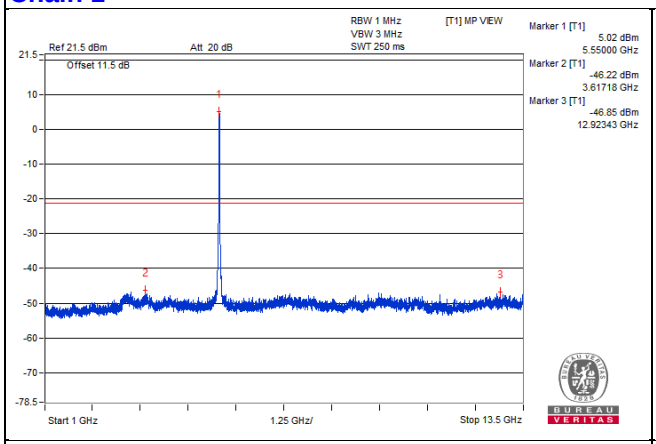

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-41.60 dBm
39.75062 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

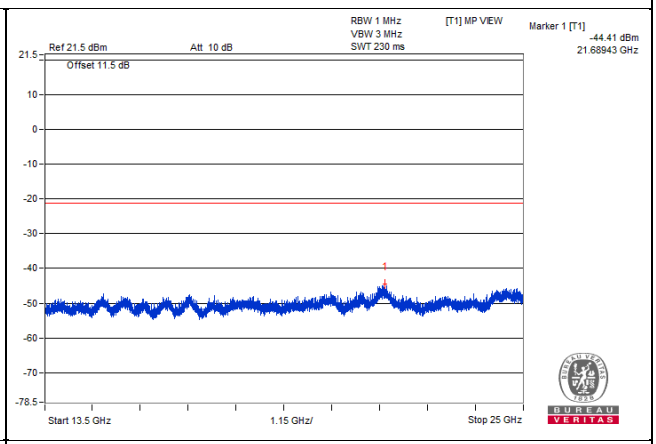

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.63 dBm
5.54687 GHz
Marker 2 [T1]
-62.54 dBm
5.07031 GHz
Marker 3 [T1]
-62.57 dBm
6.02968 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

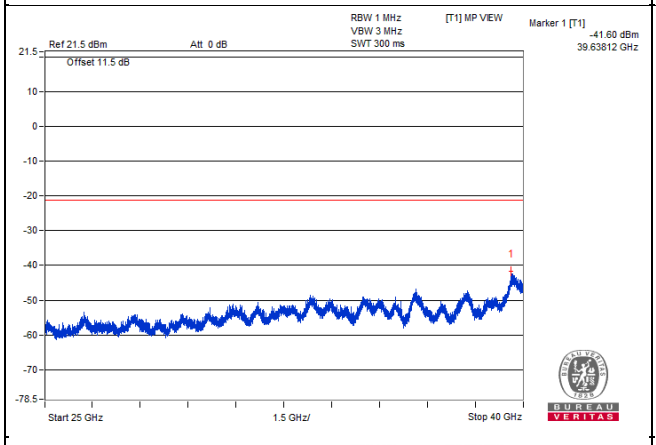

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.35 dBm
21.62187 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

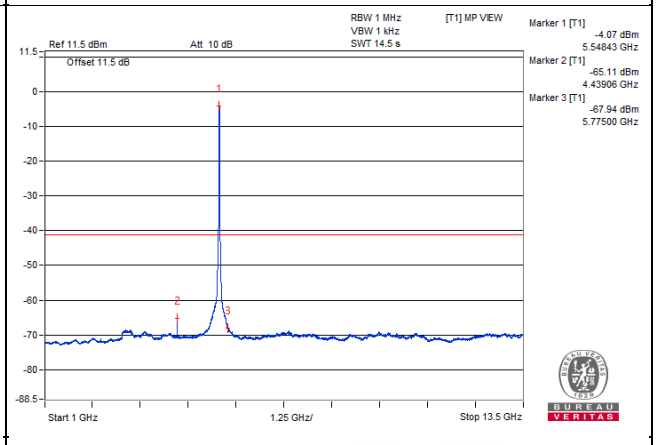

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.37 dBm
39.71125 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

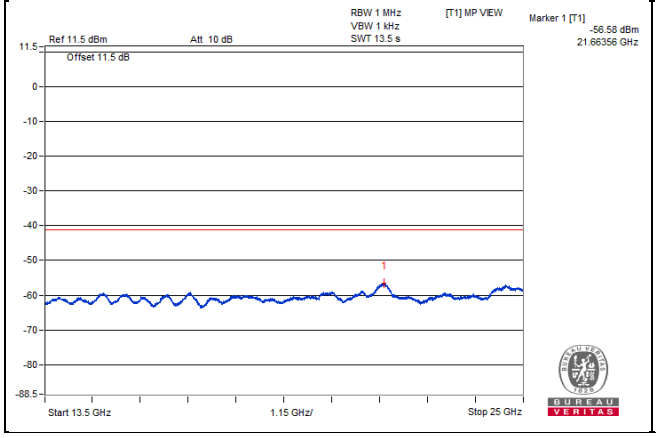
Chain 1

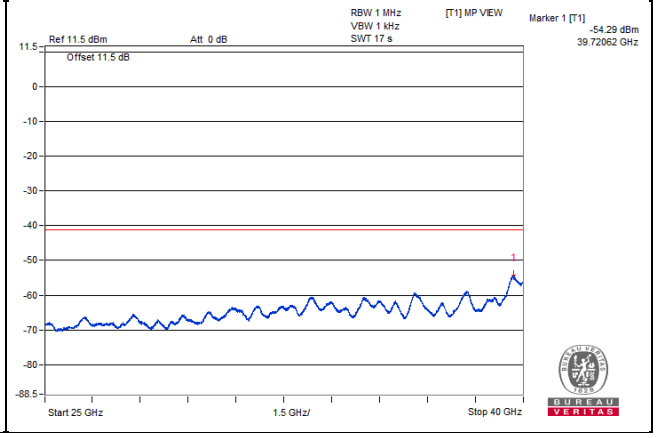

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
5.02 dBm
5.55000 GHz
Marker 2 [T1]
-46.22 dBm
3.61718 GHz
Marker 3 [T1]
-46.85 dBm
12.92343 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.41 dBm
21.68943 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-41.60 dBm
39.63812 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-4.07 dBm
5.54843 GHz
Marker 2 [T1]
-65.11 dBm
4.43906 GHz
Marker 3 [T1]
-67.94 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.58 dBm
21.66356 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.29 dBm
39.72062 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5547.31 PK	109.58	*		8.09	6.23	14.32
2	5470 PK	55.39	68.2	-12.81	-46.1	6.23	-39.87
3	5462.12 PK	56.21	68.2	-11.99	-45.28	6.23	-39.05
4	5548.43 AV	98.83	*		-2.66	6.23	3.57
5	5470 AV	43.55	#		-57.94	6.23	-51.71
6	5469.25 AV	43.56	#		-57.93	6.23	-51.7

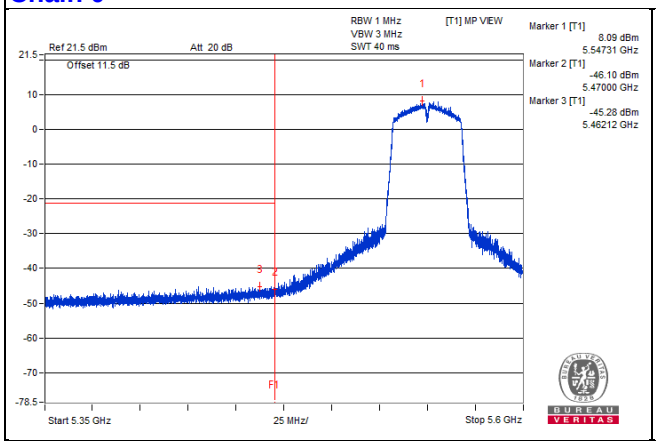
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

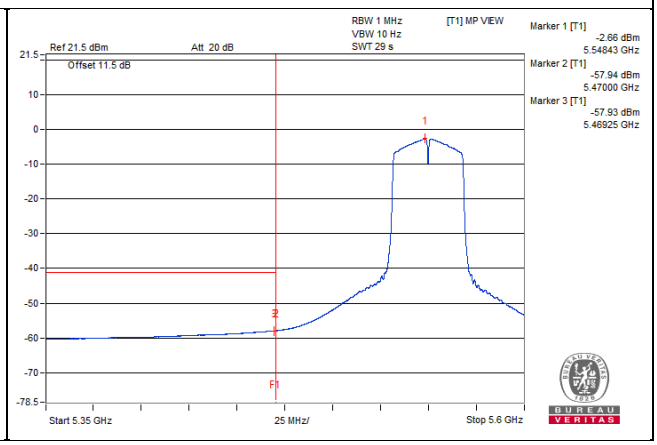
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5551.78 PK	108.34	*		6.33	6.75	13.08
2	5470 PK	54.96	68.2	-13.24	-47.05	6.75	-40.3
3	5465.37 PK	57.38	68.2	-10.82	-44.63	6.75	-37.88
4	5548.4 AV	97.98	*		-4.03	6.75	2.72
5	5470 AV	43.95	#		-58.06	6.75	-51.31
6	5468.65 AV	43.96	#		-58.05	6.75	-51.3

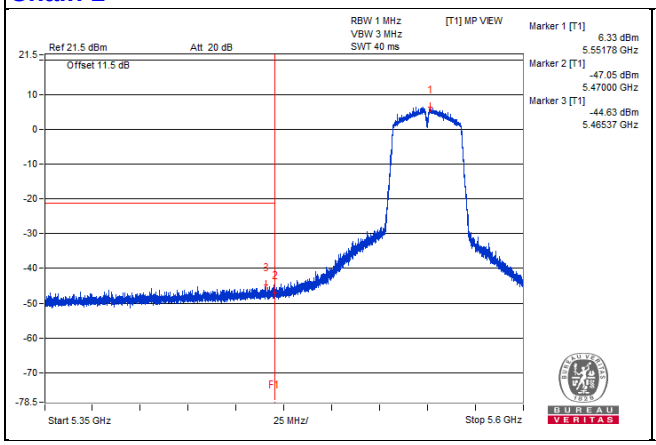
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

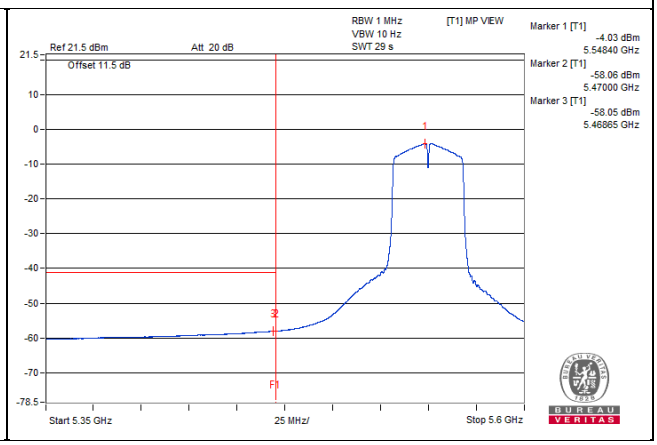
Chain 0





Chain 1





802.11ac (VHT40) - Channel 134

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5665.62 PK	108.49	*		6.57	6.66	13.23
2	3123.43 PK	55.26	68.2	-12.94	-46.66	6.66	-40
3	9729.68 PK	55.58	68.2	-12.62	-46.34	6.66	-39.68
4	21590.25 PK	57.9	68.2	-10.3	-44.02	6.66	-37.36
5	39715 PK	59.46	74	-14.54	-42.46	6.66	-35.8
6	5668.75 AV	99.09	*		-2.83	6.66	3.83
7	4535.93 AV	36.12	54	-17.88	-65.8	6.66	-59.14
8	5775 AV	40.94	#		-60.98	6.66	-54.32
9	21633.37 AV	45.32	#		-56.6	6.66	-49.94
10	39688.75 AV	47.66	54	-6.34	-54.26	6.66	-47.6

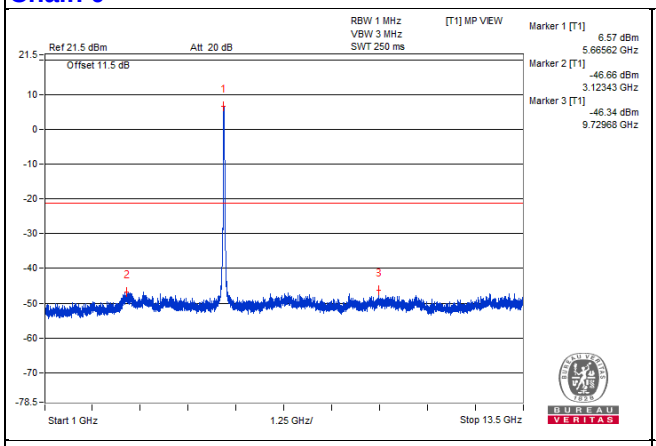
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

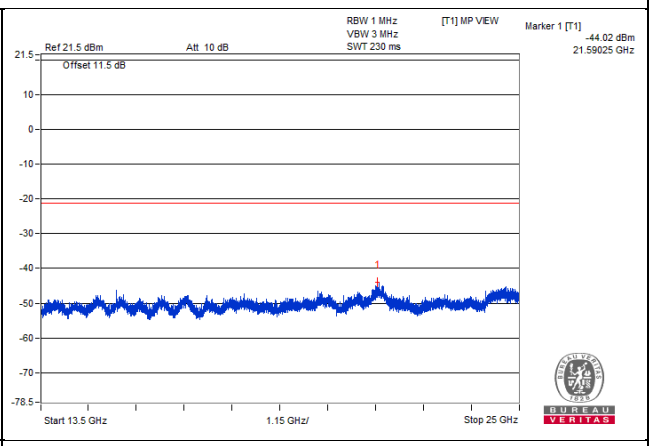
Chain 1

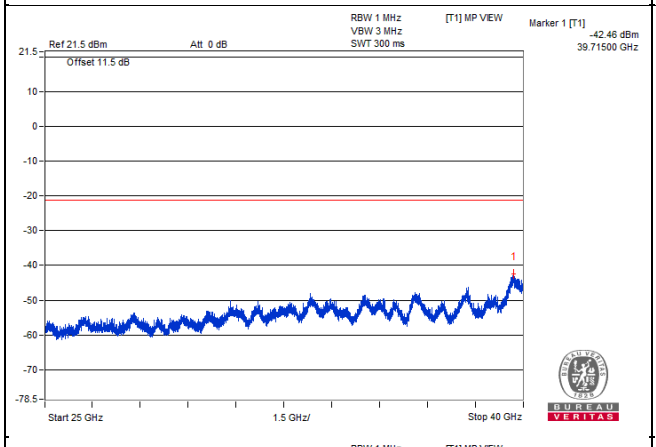
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5668.75 PK	105.81	*		3.8	6.75	10.55
2	3204.68 PK	55.41	68.2	-12.79	-46.6	6.75	-39.85
3	10664.06 PK	55.37	74	-18.63	-46.64	6.75	-39.89
4	21548.56 PK	57.16	68.2	-11.04	-44.85	6.75	-38.1
5	39754.37 PK	59.87	74	-14.13	-42.14	6.75	-35.39
6	5667.18 AV	97.61	*		-4.4	6.75	2.35
7	4535.93 AV	35.2	54	-18.8	-66.81	6.75	-60.06
8	5776.56 AV	40.01	#		-62	6.75	-55.25
9	21634.81 AV	45.41	#		-56.6	6.75	-49.85
10	39713.12 AV	47.44	54	-6.56	-54.57	6.75	-47.82

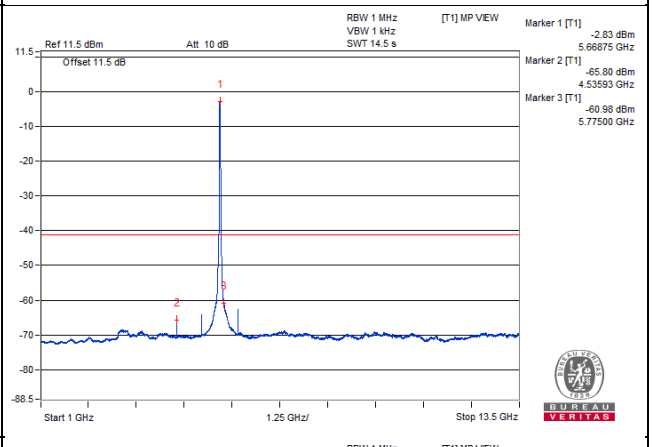
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

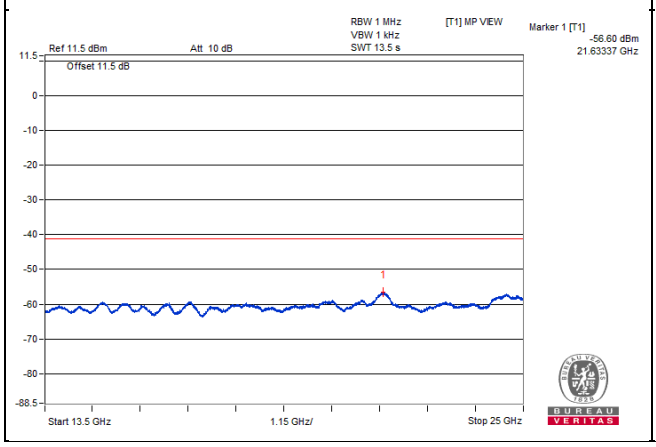
Chain 0

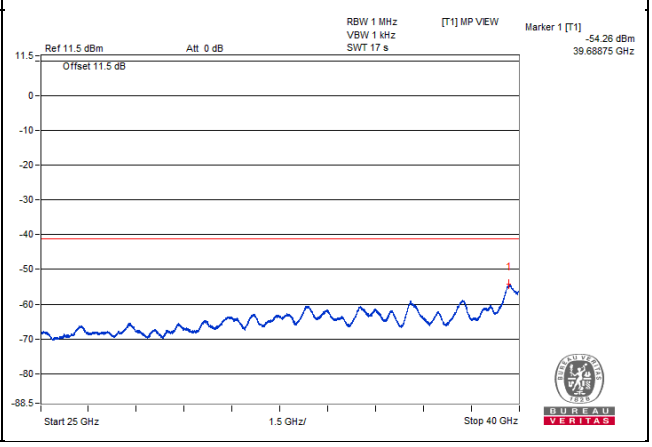

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
6.57 dBm
5.66562 GHz
Marker 2 [T1]
-46.66 dBm
3.12343 GHz
Marker 3 [T1]
-46.34 dBm
9.72968 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.02 dBm
21.59025 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

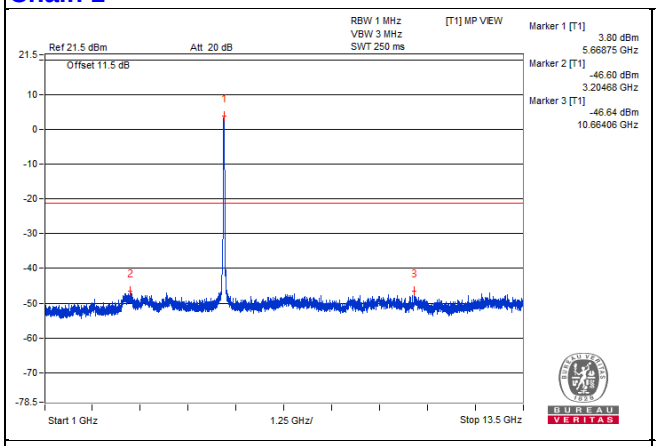

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.46 dBm
39.71500 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

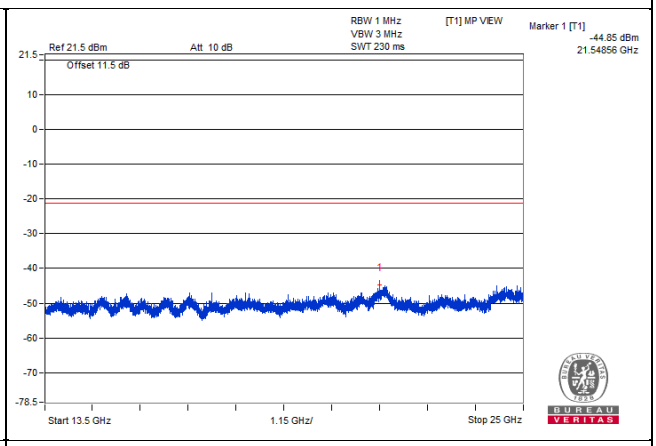

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.83 dBm
5.66875 GHz
Marker 2 [T1]
-65.80 dBm
4.53593 GHz
Marker 3 [T1]
-60.98 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

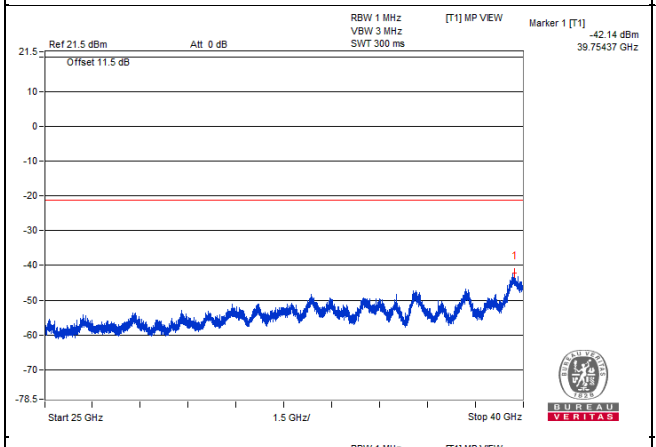

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.60 dBm
21.63337 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

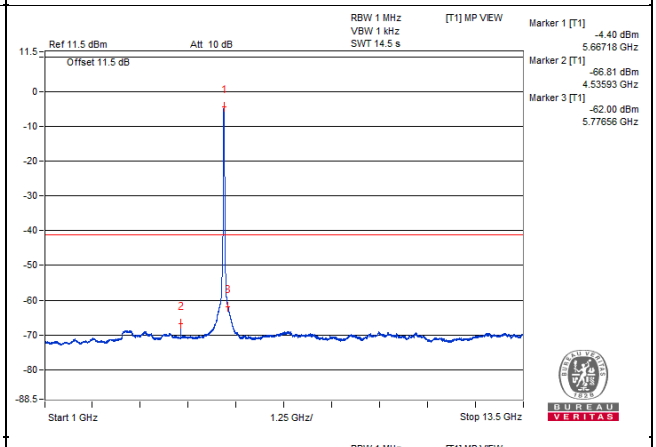

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.26 dBm
39.68875 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

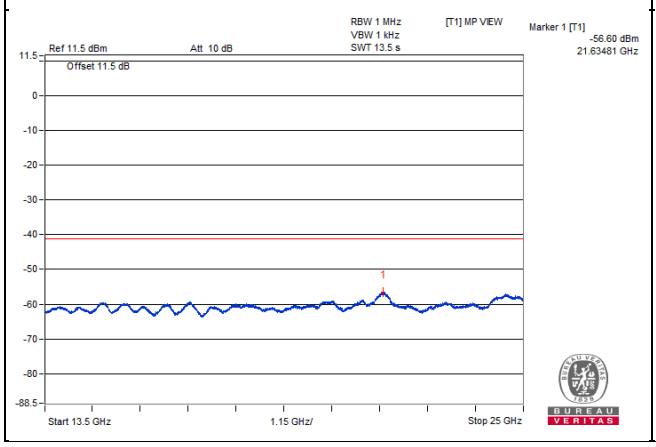
Chain 1

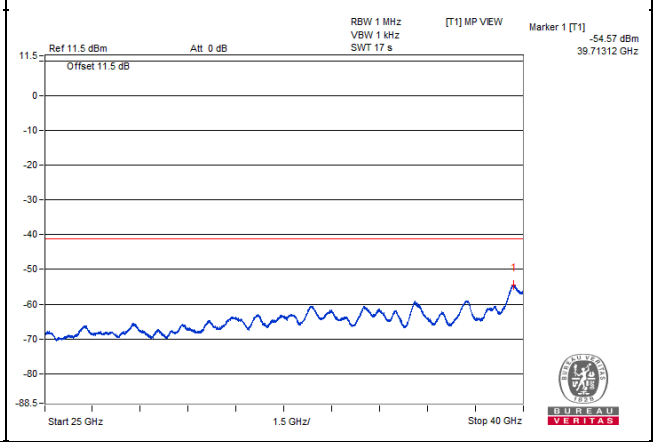

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
3.80 dBm
5.66875 GHz
Marker 2 [T1]
-46.60 dBm
3.20468 GHz
Marker 3 [T1]
-46.64 dBm
10.66406 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.85 dBm
21.54856 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.14 dBm
39.75437 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-4.40 dBm
5.66718 GHz
Marker 2 [T1]
-66.81 dBm
4.53593 GHz
Marker 3 [T1]
-62.00 dBm
5.77656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.60 dBm
21.63481 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.57 dBm
39.71312 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5663.8 PK	109.78	*		8.29	6.23	14.52
2	5725 PK	62.71	68.2	-5.49	-38.78	6.23	-32.55
3	5727.02 PK	65.74	68.2	-2.46	-35.75	6.23	-29.52
4	5671.52 AV	98.6	*		-2.89	6.23	3.34
5	5725 AV	49.06	#		-52.43	6.23	-46.2
6	5725 AV	49.06	#		-52.43	6.23	-46.2

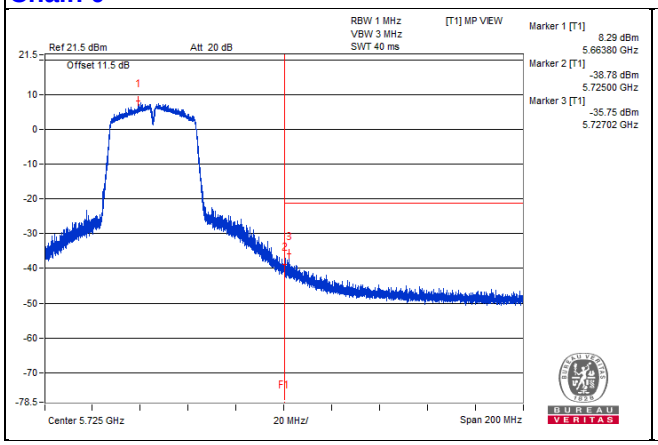
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

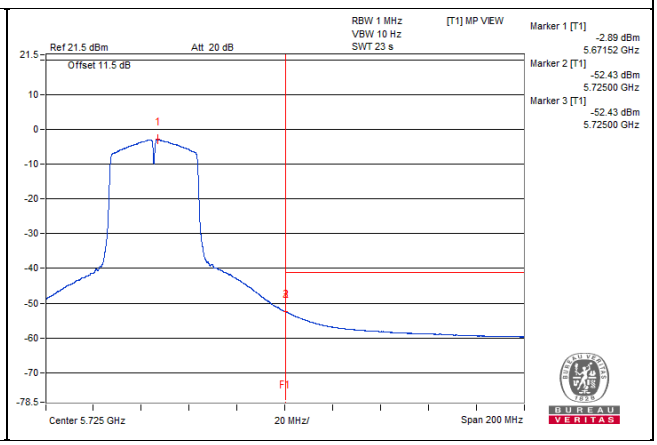
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5664.32 PK	107.85	*		5.84	6.75	12.59
2	5725 PK	57.83	68.2	-10.37	-44.18	6.75	-37.43
3	5726.02 PK	61.38	68.2	-6.82	-40.63	6.75	-33.88
4	5668.35 AV	97.35	*		-4.66	6.75	2.09
5	5725 AV	46.46	#		-55.55	6.75	-48.8
6	5725 AV	46.46	#		-55.55	6.75	-48.8

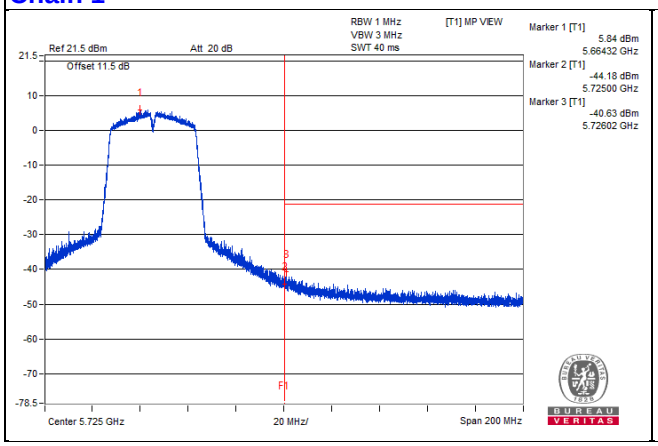
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

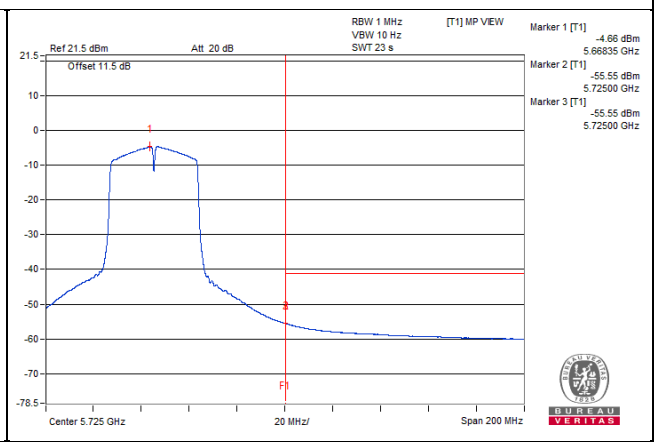
Chain 0





Chain 1





802.11ac (VHT40) - Channel 142

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5712.5 PK	107.95	*		6.03	6.66	12.69
2	3615.62 PK	55.93	74	-18.07	-45.99	6.66	-39.33
3	24702.43 PK	57.72	68.2	-10.48	-44.2	6.66	-37.54
4	39778.75 PK	59.26	74	-14.74	-42.66	6.66	-36
5	5707.81 AV	99.5	*		-2.42	6.66	4.24
6	4567.18 AV	35.54	54	-18.46	-66.38	6.66	-59.72
7	5775 AV	45.94	#		-55.98	6.66	-49.32
8	21672.18 AV	45.51	#		-56.41	6.66	-49.75
9	39720.62 AV	47.57	54	-6.43	-54.35	6.66	-47.69

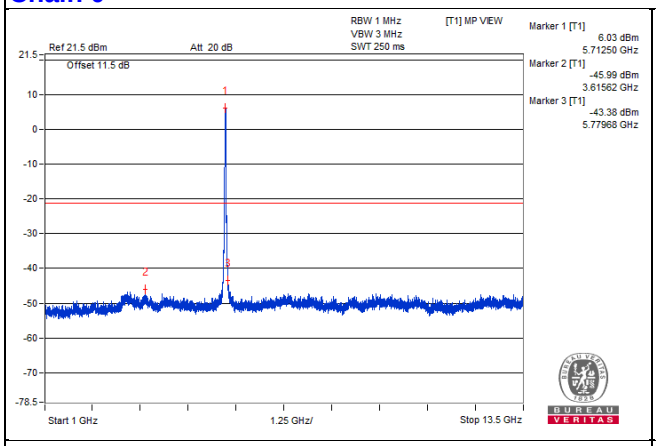
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

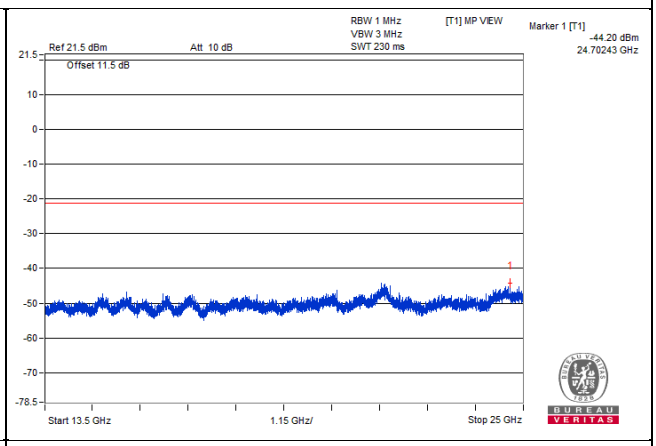
Chain 1

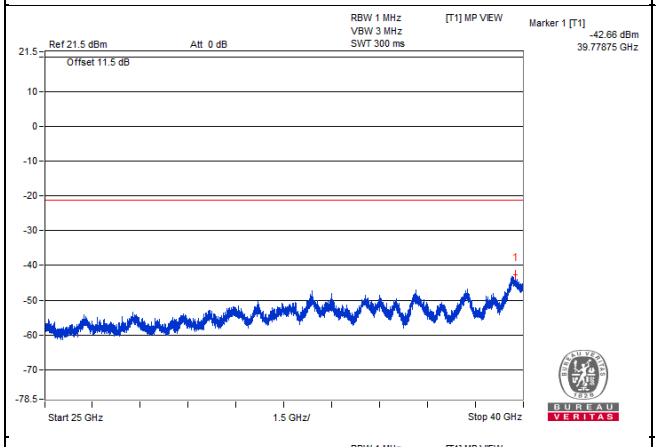
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5710.93 PK	106.29	*		4.28	6.75	11.03
2	3084.37 PK	55.88	68.2	-12.32	-46.13	6.75	-39.38
3	5779.68 PK	55.98	68.2	-12.22	-46.03	6.75	-39.28
4	21675.06 PK	57.1	68.2	-11.1	-44.91	6.75	-38.16
5	39692.5 PK	59.22	74	-14.78	-42.79	6.75	-36.04
6	5712.5 AV	97.96	*		-4.05	6.75	2.7
7	4567.18 AV	37.62	54	-16.38	-64.39	6.75	-57.64
8	5775 AV	43.42	#		-58.59	6.75	-51.84
9	21637.68 AV	45.37	#		-56.64	6.75	-49.89
10	39703.75 AV	47.66	54	-6.34	-54.35	6.75	-47.6

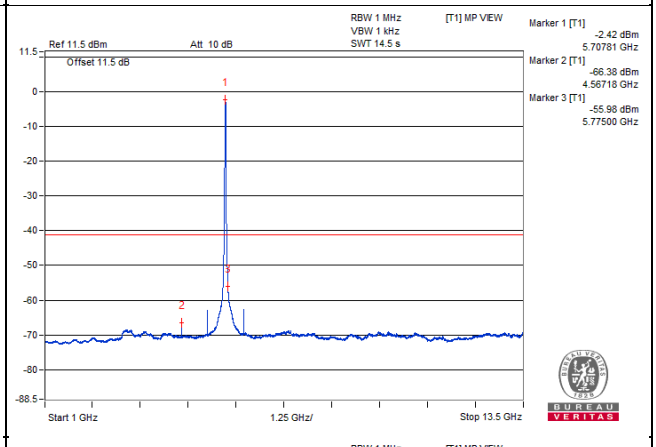
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

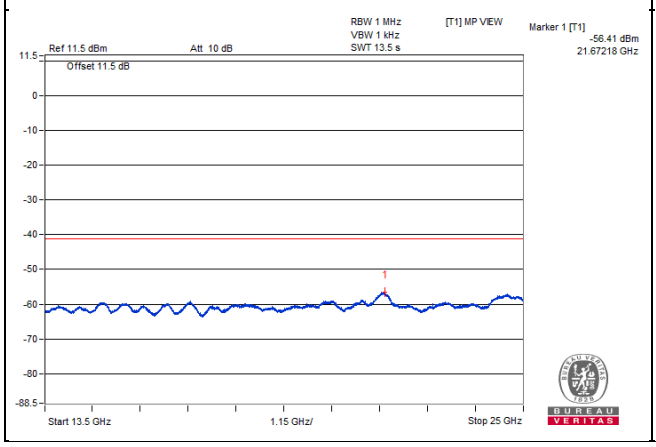
Chain 0

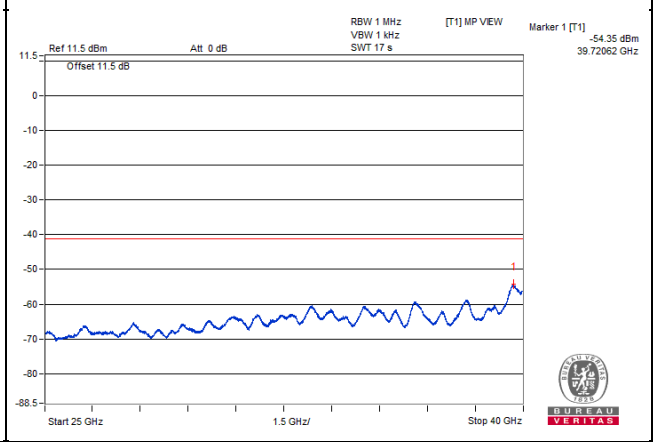

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
6.03 dBm
5.71250 GHz
Marker 2 [T1]
-45.99 dBm
3.61562 GHz
Marker 3 [T1]
-43.38 dBm
5.77968 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.20 dBm
24.70243 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

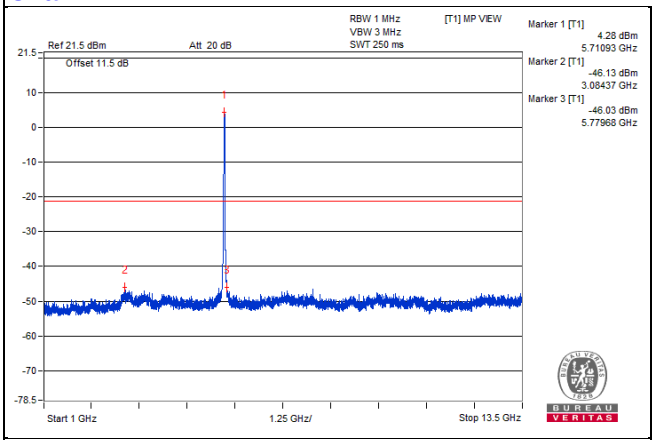

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.66 dBm
39.77875 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

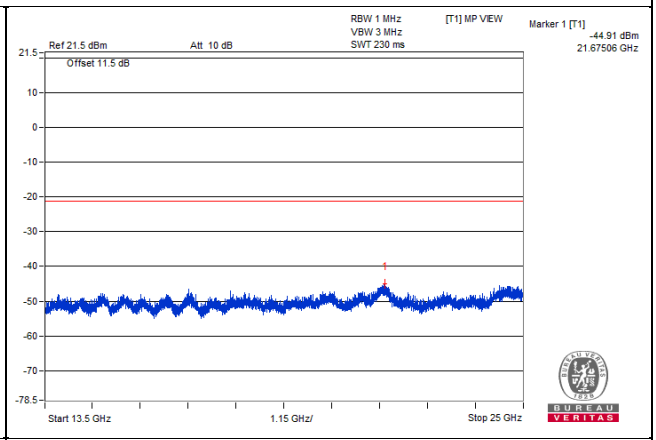

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.42 dBm
5.70781 GHz
Marker 2 [T1]
-66.38 dBm
4.56718 GHz
Marker 3 [T1]
-55.98 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

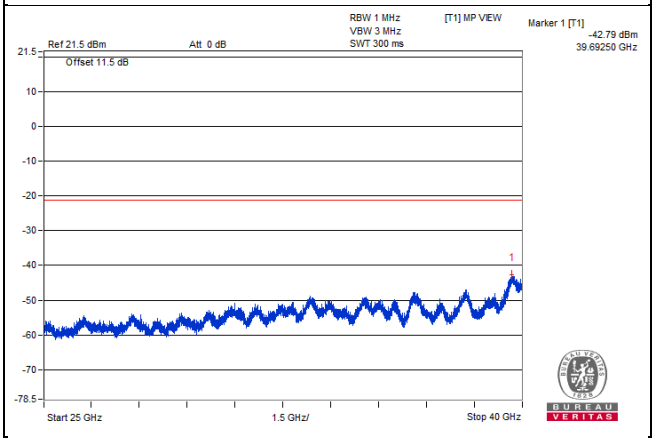

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.41 dBm
21.67218 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

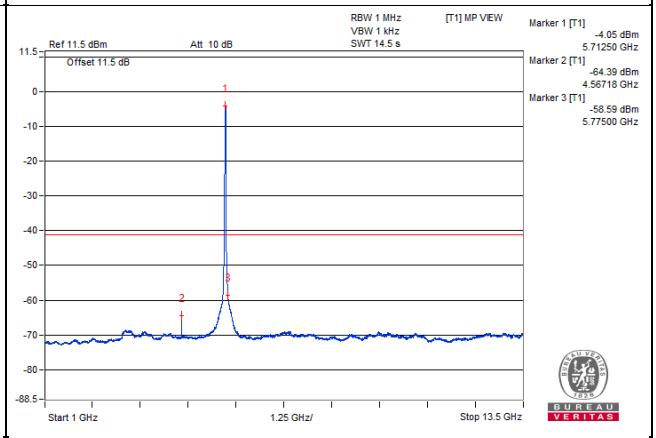

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.35 dBm
39.72062 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

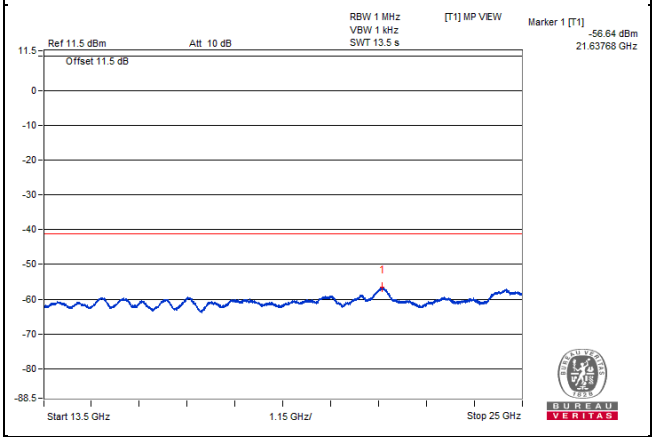
Chain 1

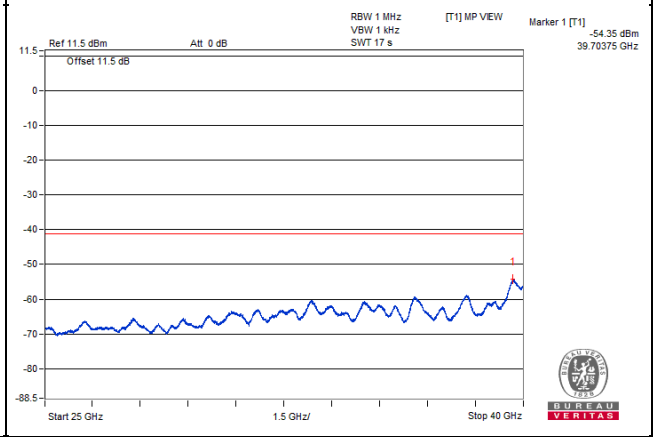

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
4.28 dBm
5.71093 GHz
Marker 2 [T1]
-46.13 dBm
3.08437 GHz
Marker 3 [T1]
-46.03 dBm
5.77968 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.91 dBm
21.67506 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.79 dBm
39.69250 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-4.05 dBm
5.71250 GHz
Marker 2 [T1]
-64.39 dBm
4.56718 GHz
Marker 3 [T1]
-58.59 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.64 dBm
21.63768 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.35 dBm
39.70375 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5707.22 PK	109.4	*		7.91	6.23	14.14
2	5850 PK	53.88	68.2	-14.32	-47.61	6.23	-41.38
3	5852.01 PK	55.2	68.2	-13	-46.29	6.23	-40.06
4	5711.72 AV	98.97	*		-2.52	6.23	3.71
5	5850 AV	42.14	#		-59.35	6.23	-53.12
6	5852.83 AV	42.18	#		-59.31	6.23	-53.08

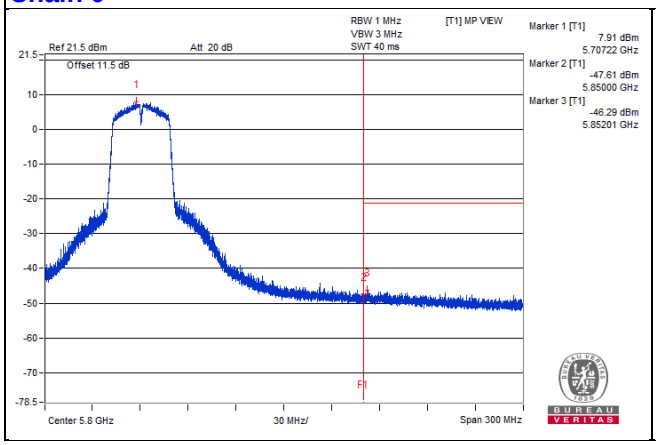
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

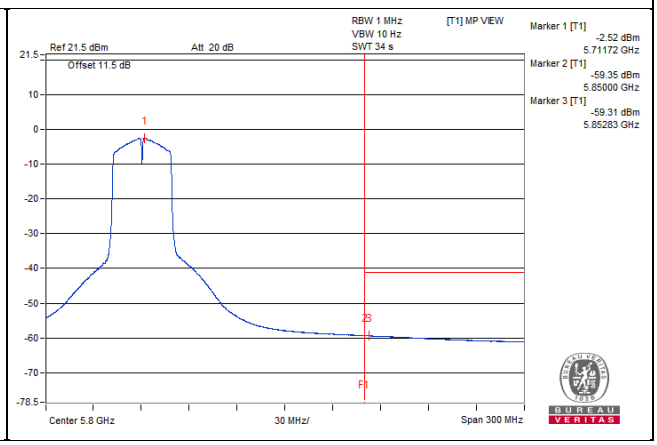
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5705.53 PK	108.73	*		6.72	6.75	13.47
2	5850 PK	53.65	68.2	-14.55	-48.36	6.75	-41.61
3	5852.5 PK	55.64	68.2	-12.56	-46.37	6.75	-39.62
4	5711.76 AV	97.88	*		-4.13	6.75	2.62
5	5850 AV	42.28	#		-59.73	6.75	-52.98
6	5850.1 AV	42.33	#		-59.68	6.75	-52.93

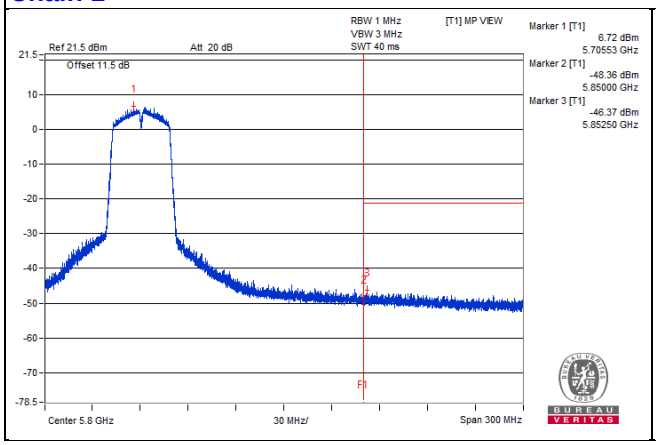
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

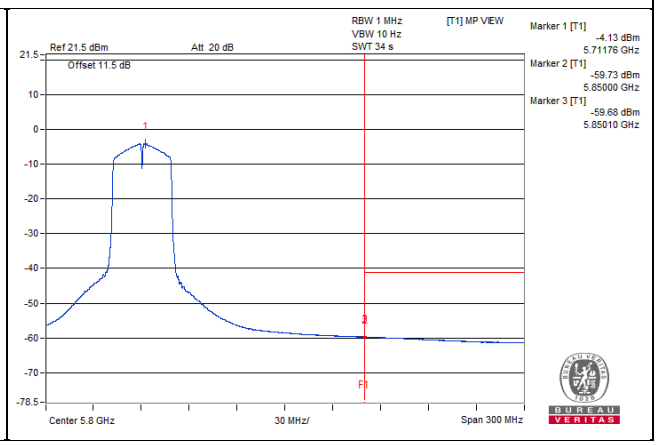
Chain 0





Chain 1





802.11ac (VHT40) – Channel 151

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5759.37 PK	108.23	*		6.31	6.66	12.97
2	3103.12 PK	55.24	68.2	-12.96	-46.68	6.66	-40.02
3	21711 PK	56.7	68.2	-11.5	-45.22	6.66	-38.56
4	39726.25 PK	59.55	74	-14.45	-42.37	6.66	-35.71
5	5753.12 AV	99.13	*		-2.79	6.66	3.87
6	3095.31 AV	33.27	#		-68.65	6.66	-61.99
7	5775 AV	75.07	#		-26.85	6.66	-20.19
8	21624.75 AV	45.34	#		-56.58	6.66	-49.92
9	39748.75 AV	47.55	54	-6.45	-54.37	6.66	-47.71

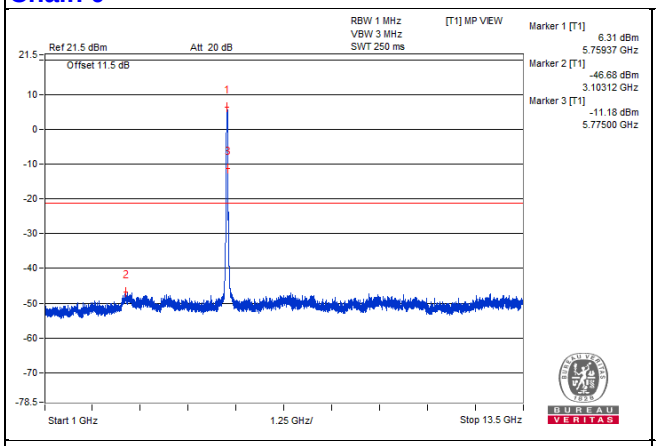
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

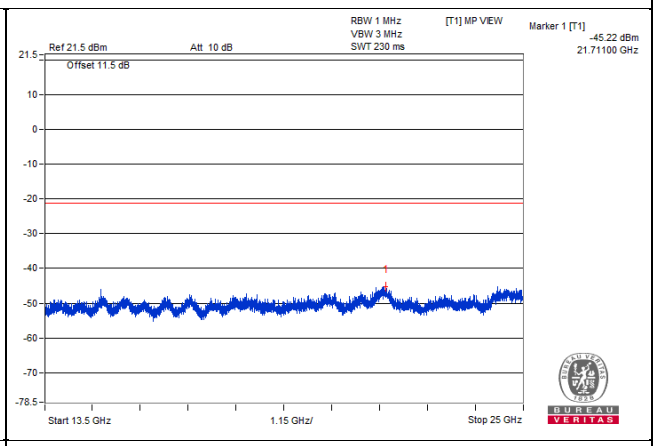
Chain 1

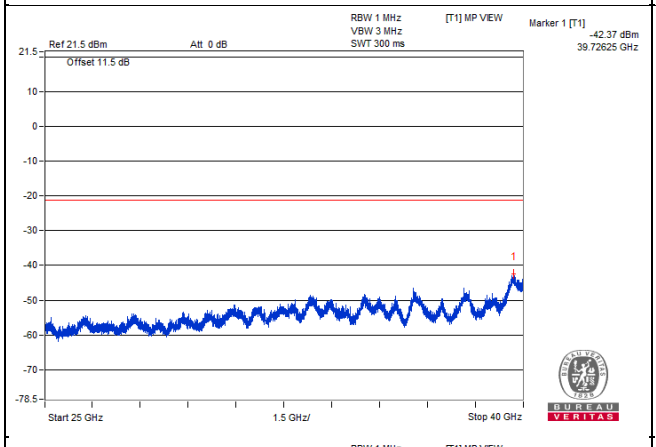
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5751.56 PK	105.67	*		3.66	6.75	10.41
2	3568.75 PK	54.81	74	-19.19	-47.2	6.75	-40.45
3	21588.81 PK	58.64	68.2	-9.56	-43.37	6.75	-36.62
4	39701.87 PK	59.13	74	-14.87	-42.88	6.75	-36.13
5	5756.25 AV	96.91	*		-5.1	6.75	1.65
6	4603.12 AV	37.22	54	-16.78	-64.79	6.75	-58.04
7	5775 AV	71.34	#		-30.67	6.75	-23.92
8	21662.12 AV	45.21	#		-56.8	6.75	-50.05
9	39713.12 AV	47.21	54	-6.79	-54.8	6.75	-48.05

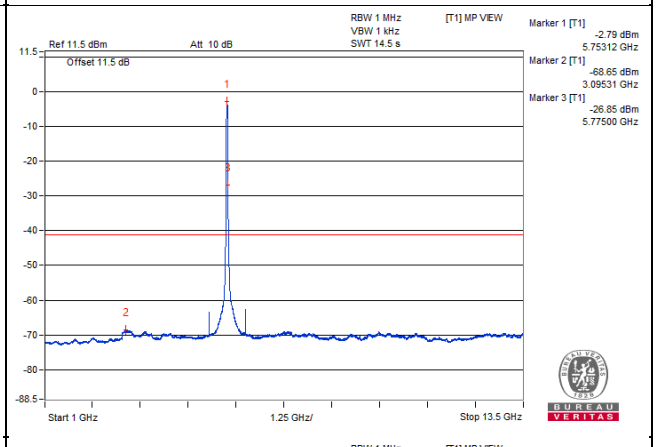
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

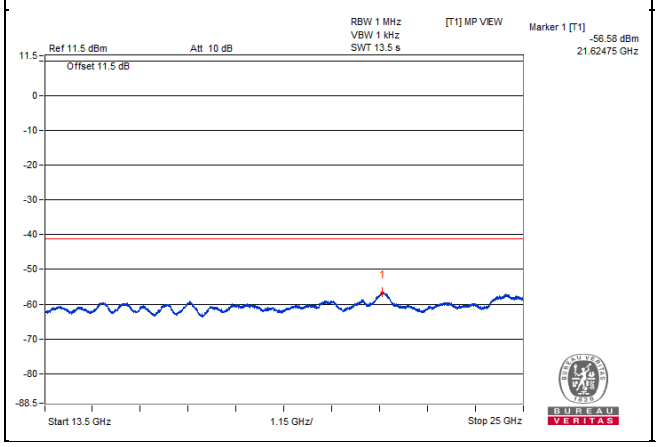
Chain 0

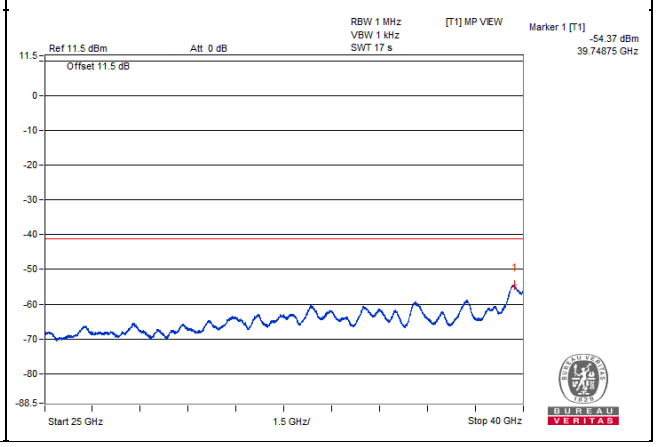

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
6.31 dBm
5.75937 GHz
Marker 2 [T1]
-46.68 dBm
3.10312 GHz
Marker 3 [T1]
-11.18 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-45.22 dBm
21.71100 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

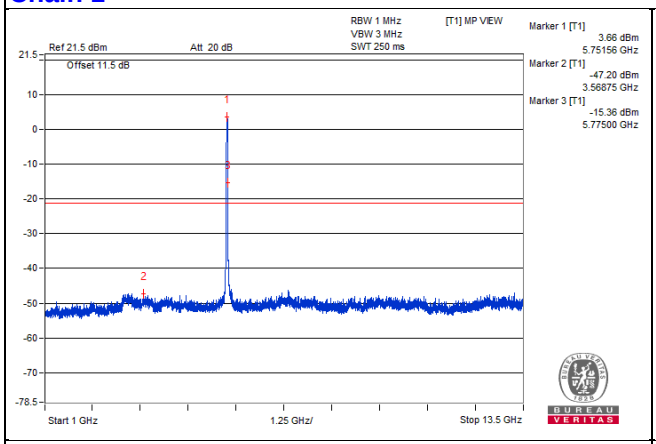

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.37 dBm
39.72625 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

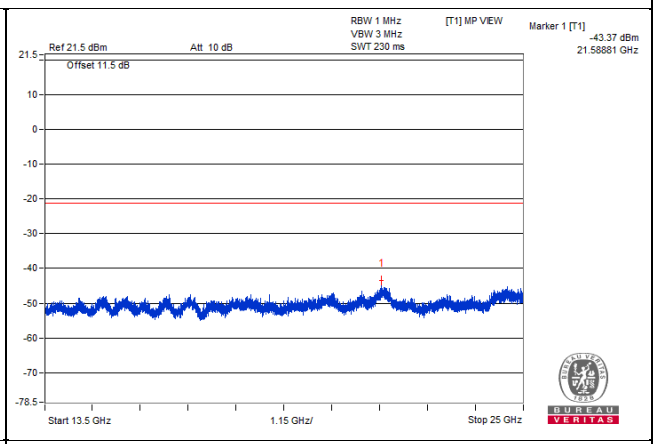

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.79 dBm
5.75312 GHz
Marker 2 [T1]
-68.65 dBm
3.09531 GHz
Marker 3 [T1]
-26.85 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

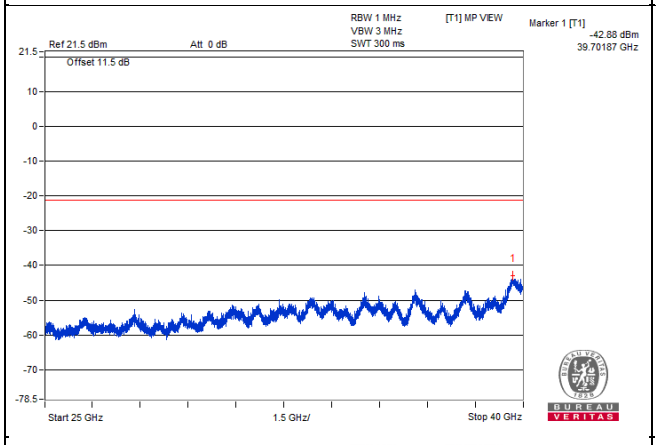

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.58 dBm
21.62475 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

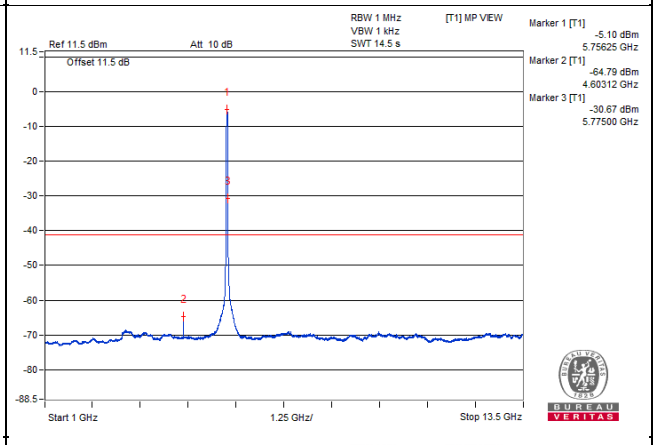

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.37 dBm
39.74875 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

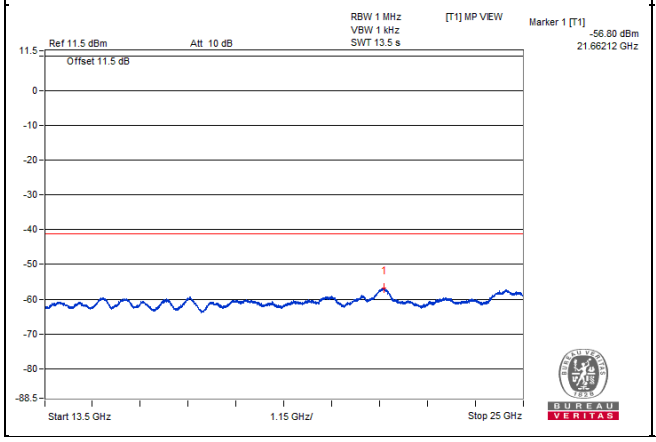
Chain 1

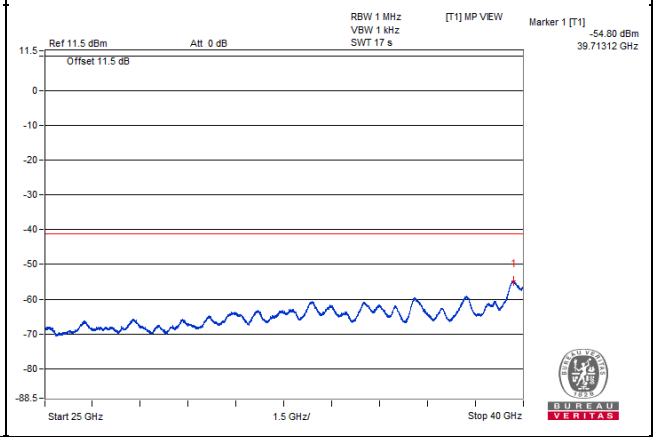

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
3.66 dBm
5.75156 GHz
Marker 2 [T1]
-47.20 dBm
3.56875 GHz
Marker 3 [T1]
-15.36 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-43.37 dBm
21.58881 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.88 dBm
39.70187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

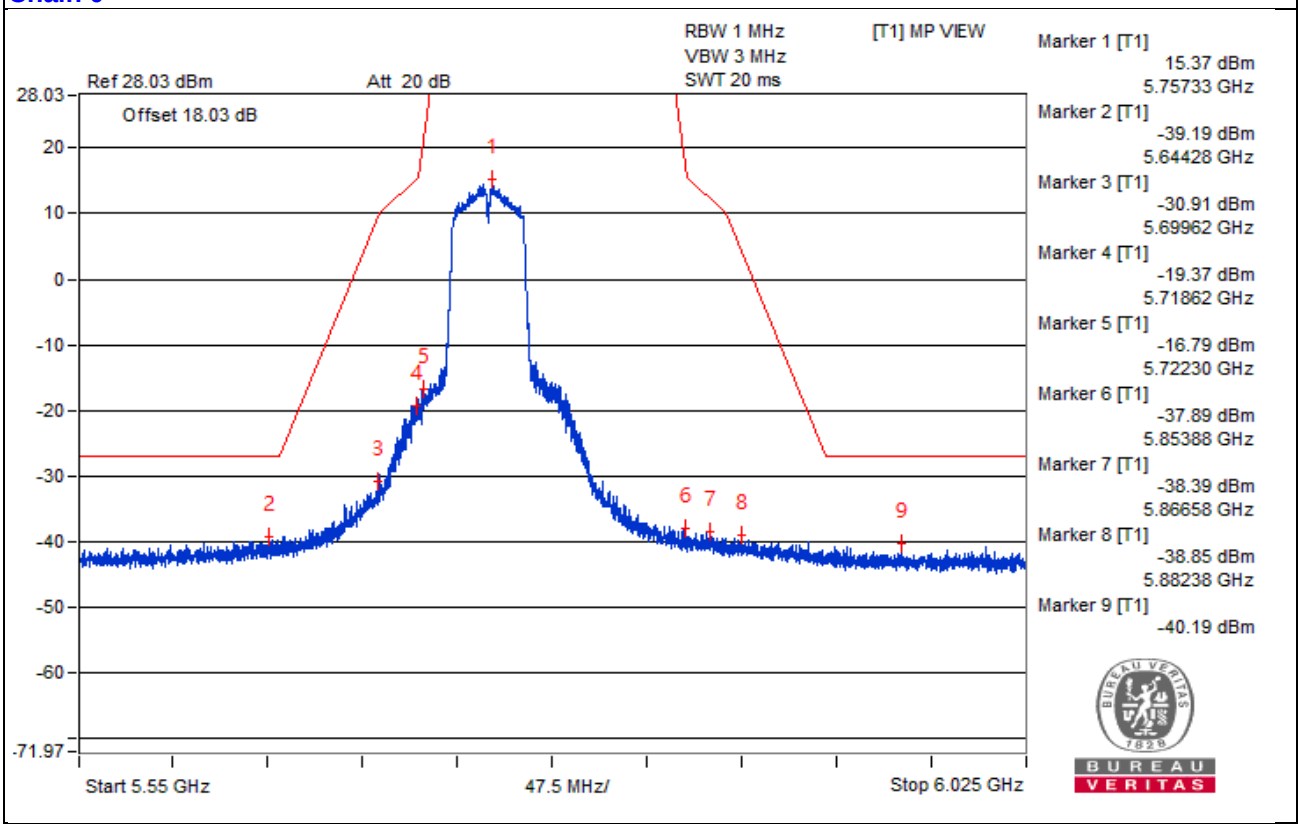

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-5.10 dBm
5.75625 GHz
Marker 2 [T1]
-64.79 dBm
4.60312 GHz
Marker 3 [T1]
-30.67 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.80 dBm
21.66212 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

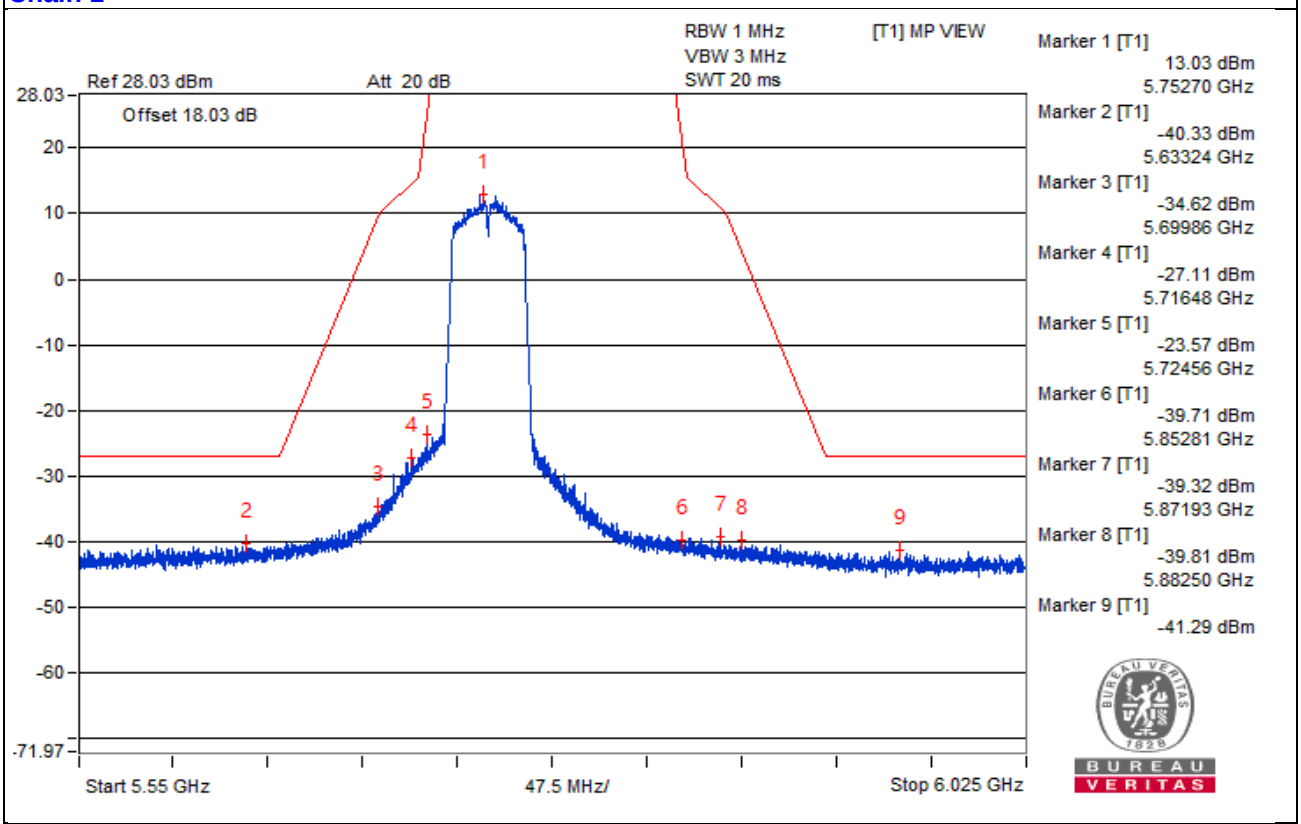

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.80 dBm
39.71312 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0



Chain 1



Note:
1. The offset including attenuator (10dB), cable loss (1.5 dB), antenna gain (3.52 dBi) and 10log2 (3.01dB).
2. The test results were EIRP.

802.11ac (VHT40) – Channel 159

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5796.87 PK	108.28	*		6.36	6.66	13.02
2	3570.31 PK	54.97	74	-19.03	-46.95	6.66	-40.29
3	21610.37 PK	56.77	68.2	-11.43	-45.15	6.66	-38.49
4	39675.62 PK	59.83	74	-14.17	-42.09	6.66	-35.43
5	5793.75 AV	99.59	*		-2.33	6.66	4.33
6	4635.93 AV	36.18	54	-17.82	-65.74	6.66	-59.08
7	5793.75 AV	99.59	*		-2.33	6.66	4.33
8	21662.12 AV	45.41	#		-56.51	6.66	-49.85
9	39677.5 AV	47.47	54	-6.53	-54.45	6.66	-47.79

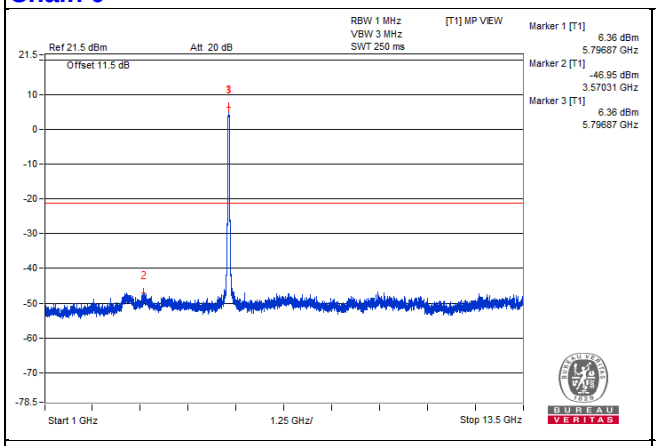
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

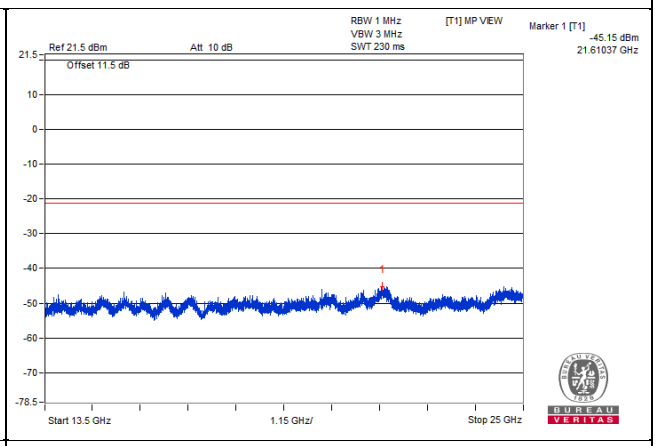
Chain 1

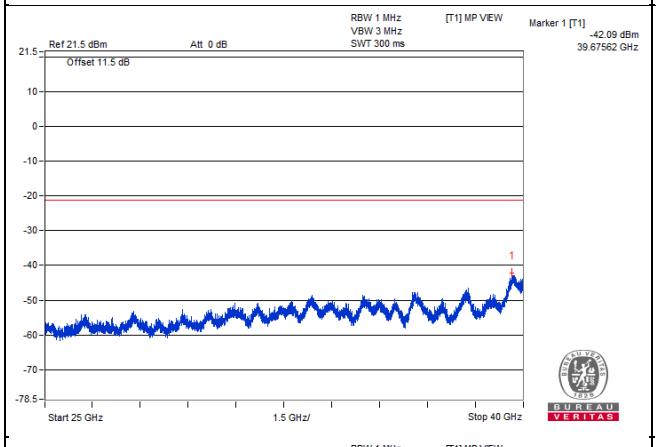
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5798.43 PK	105.91	*		3.9	6.75	10.65
2	3596.87 PK	55.21	74	-18.79	-46.8	6.75	-40.05
3	5798.43 PK	105.91	*		3.9	6.75	10.65
4	21692.31 PK	56.87	68.2	-11.33	-45.14	6.75	-38.39
5	39733.75 PK	59.95	74	-14.05	-42.06	6.75	-35.31
6	5796.87 AV	97.61	*		-4.4	6.75	2.35
7	4635.93 AV	37.96	54	-16.04	-64.05	6.75	-57.3
8	5796.87 AV	97.61	*		-4.4	6.75	2.35
9	21636.25 AV	45.49	#		-56.52	6.75	-49.77
10	39694.37 AV	47.4	54	-6.6	-54.61	6.75	-47.86

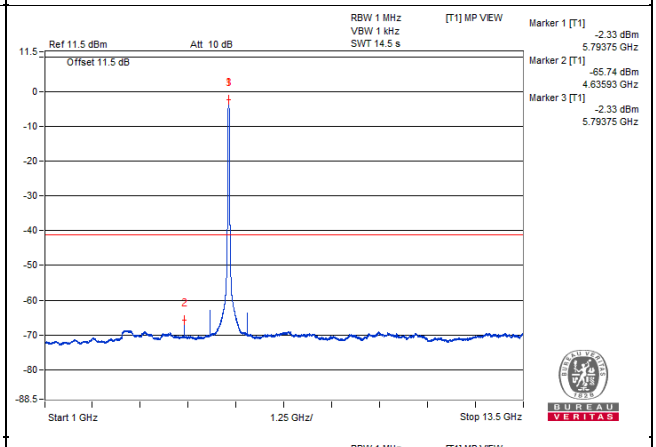
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

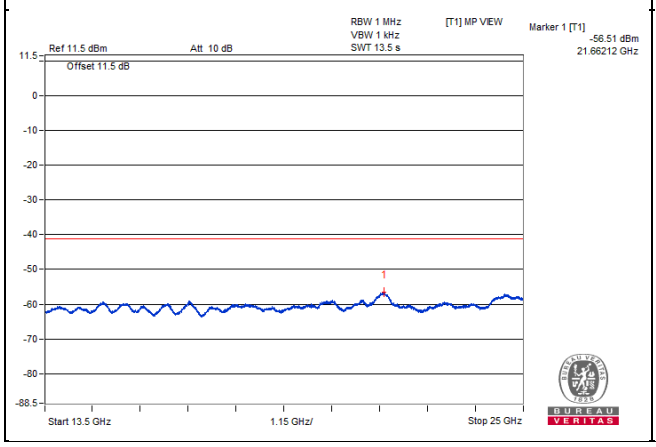
Chain 0

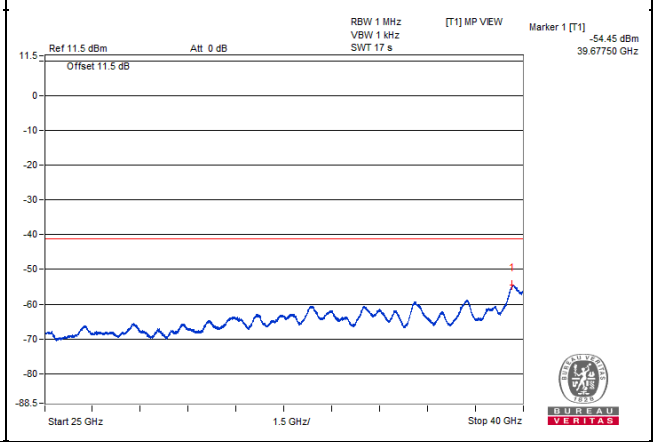

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
6.36 dBm
5.79687 GHz
Marker 2 [T1]
-46.95 dBm
3.57031 GHz
Marker 3 [T1]
6.36 dBm
5.79687 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-45.15 dBm
21.61037 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

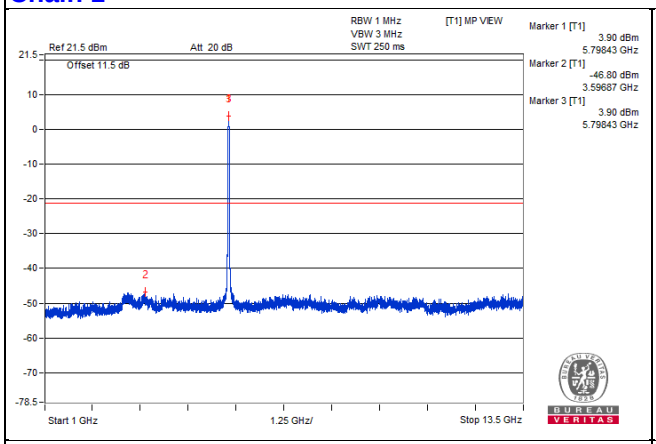

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.09 dBm
39.67562 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

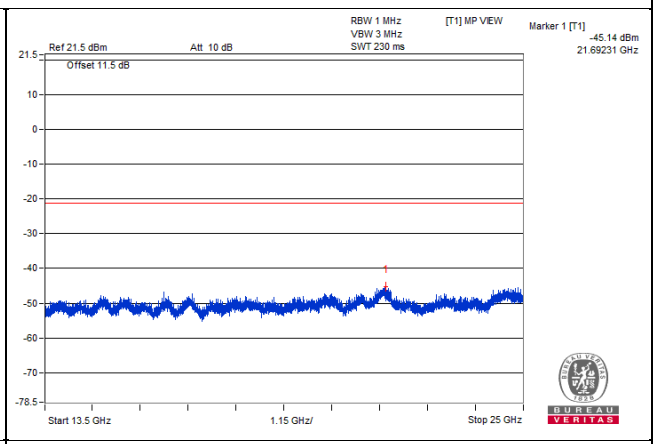

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-2.33 dBm
5.79375 GHz
Marker 2 [T1]
-65.74 dBm
4.63593 GHz
Marker 3 [T1]
-2.33 dBm
5.79375 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

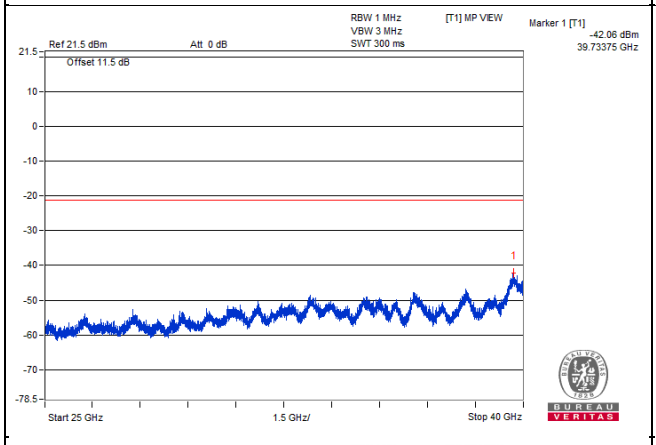

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.51 dBm
21.66212 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

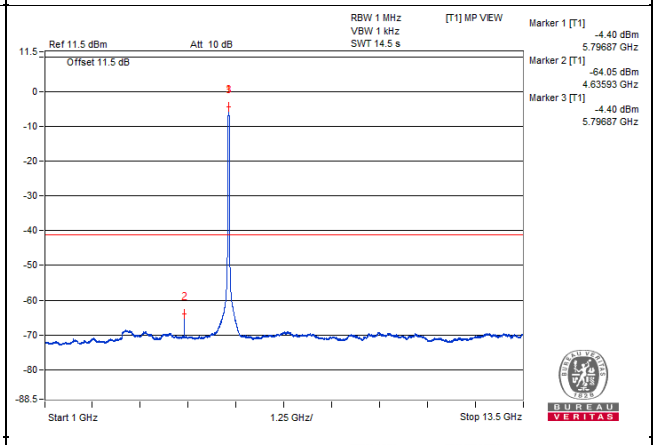

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.45 dBm
39.67750 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

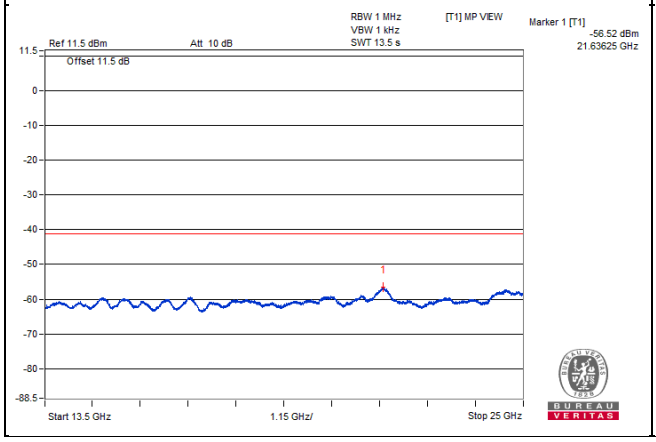
Chain 1

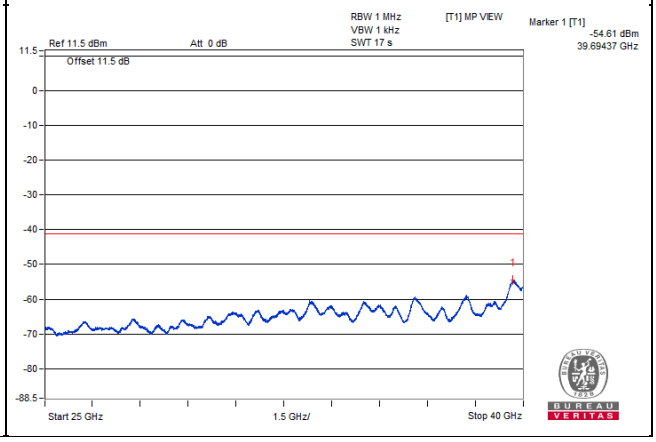

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
3.90 dBm
5.79843 GHz
Marker 2 [T1]
-46.80 dBm
3.59687 GHz
Marker 3 [T1]
3.90 dBm
5.79843 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-45.14 dBm
21.69231 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.06 dBm
39.73375 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

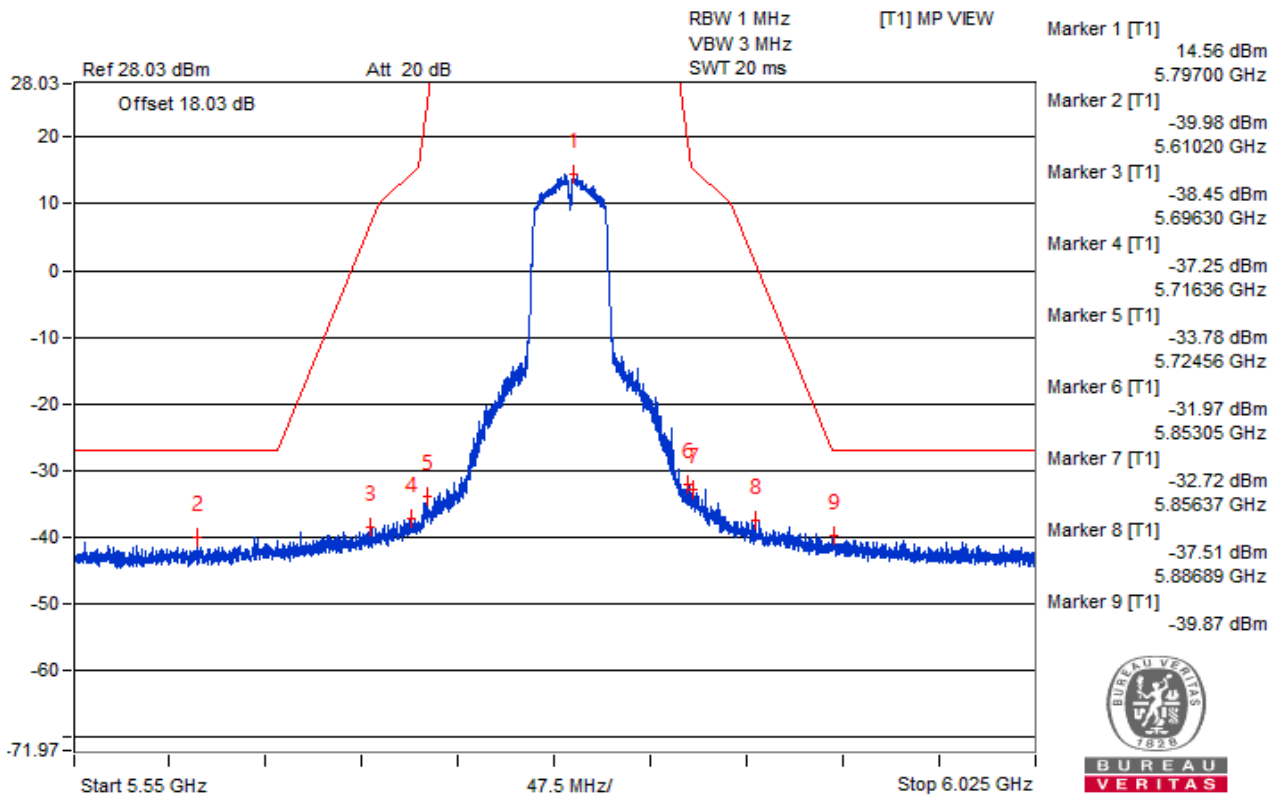

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-4.40 dBm
5.79687 GHz
Marker 2 [T1]
-64.05 dBm
4.63593 GHz
Marker 3 [T1]
-4.40 dBm
5.79687 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.52 dBm
21.63625 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

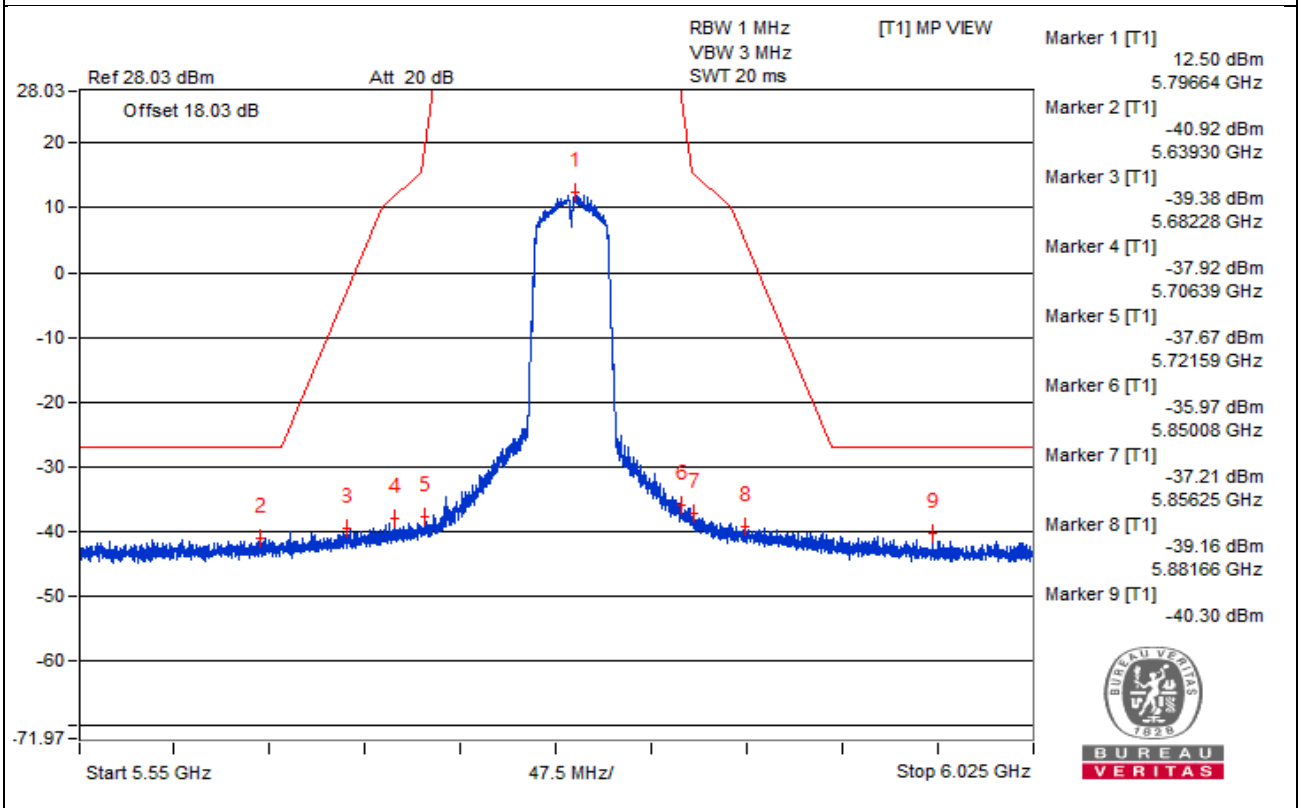

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.61 dBm
39.69437 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0



Chain 1



Note:
1. The offset including attenuator (10dB), cable loss (1.5 dB), antenna gain (3.52 dBi) and 10log2 (3.01dB).
2. The test results were EIRP.

802.11ac (VHT80) - Channel 42

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5212.5 PK	102.69	*		0.77	6.66	7.43
2	3143.75 PK	56.11	68.2	-12.09	-45.81	6.66	-39.15
3	9745.31 PK	55.92	68.2	-12.28	-46	6.66	-39.34
4	21529.87 PK	57.53	68.2	-10.67	-44.39	6.66	-37.73
5	39733.75 PK	59.29	74	-14.71	-42.63	6.66	-35.97
6	5210.93 AV	93.56	*		-8.36	6.66	-1.7
7	5098.43 AV	40.15	54	-13.85	-61.77	6.66	-55.11
8	8335.93 AV	33.82	54	-20.18	-68.1	6.66	-61.44
9	21643.43 AV	45.32	#		-56.6	6.66	-49.94
10	39718.75 AV	47.43	54	-6.57	-54.49	6.66	-47.83

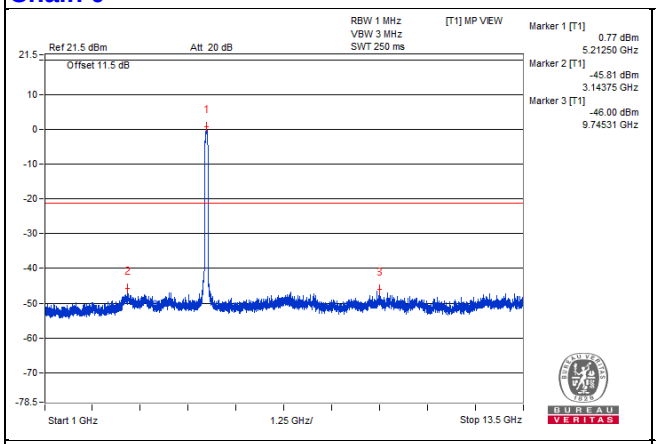
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

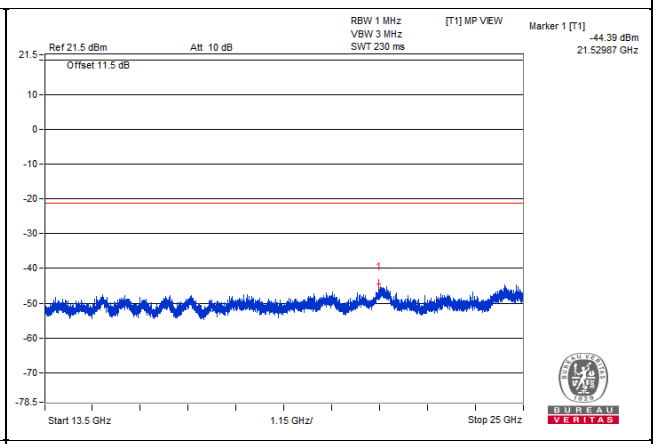
Chain 1

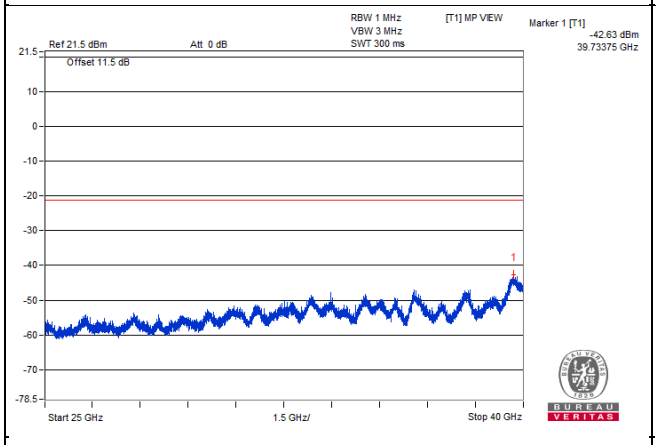
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5215.62 PK	102	*		-0.01	6.75	6.74
2	3112.5 PK	55.56	68.2	-12.64	-46.45	6.75	-39.7
3	13470.31 PK	55.06	68.2	-13.14	-46.95	6.75	-40.2
4	24660.75 PK	57.67	68.2	-10.53	-44.34	6.75	-37.59
5	39703.75 PK	59.63	74	-14.37	-42.38	6.75	-35.63
6	5206.25 AV	93.49	*		-8.52	6.75	-1.77
7	5100 AV	41.52	54	-12.48	-60.49	6.75	-53.74
8	7356.25 AV	33.04	54	-20.96	-68.97	6.75	-62.22
9	21650.62 AV	45.71	#		-56.3	6.75	-49.55
10	39698.12 AV	47.66	54	-6.34	-54.35	6.75	-47.6

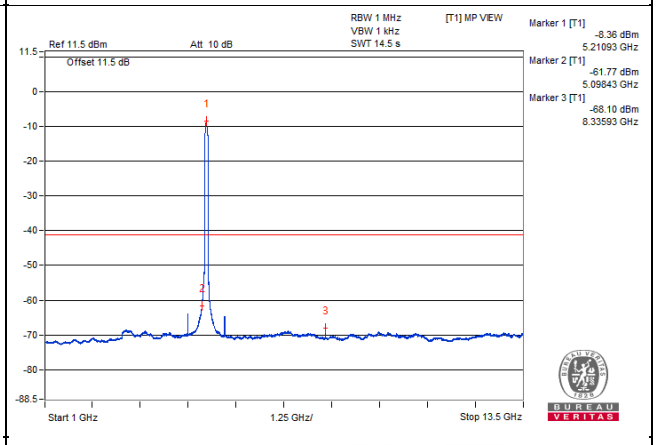
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

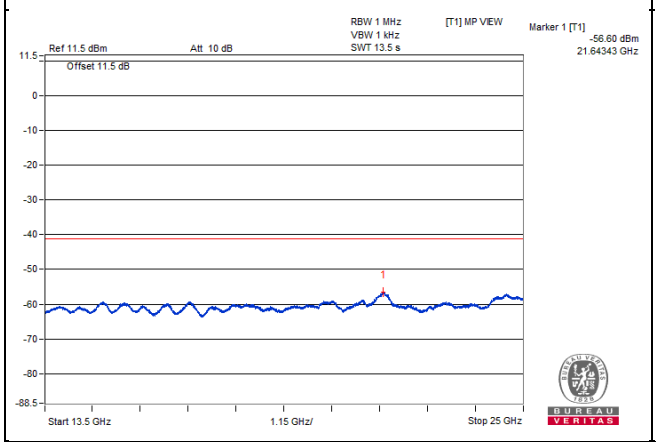
Chain 0

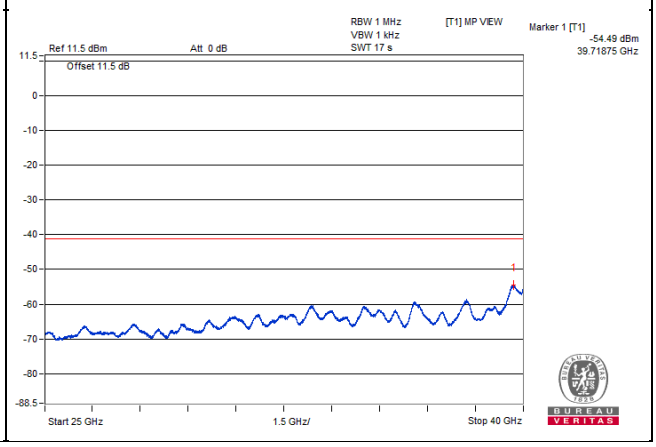

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
0.77 dBm
5.21250 GHz
Marker 2 [T1]
-45.81 dBm
3.14375 GHz
Marker 3 [T1]
-46.00 dBm
9.74531 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.39 dBm
21.52987 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

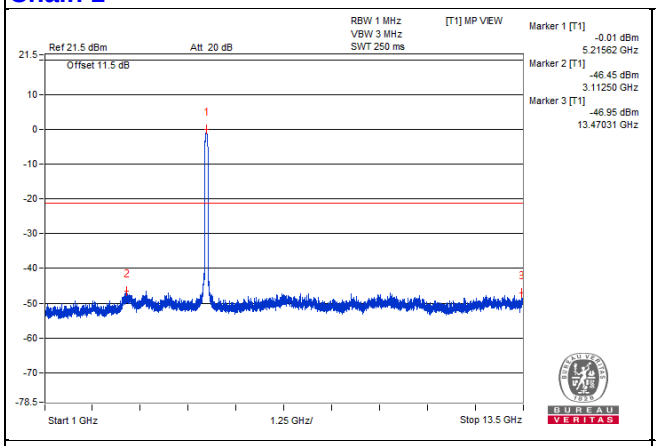

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.63 dBm
39.73375 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

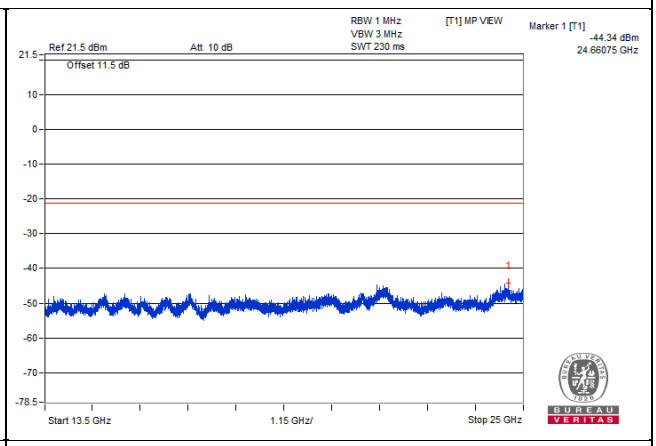

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-8.36 dBm
5.21093 GHz
Marker 2 [T1]
-61.77 dBm
5.09843 GHz
Marker 3 [T1]
-68.10 dBm
8.33593 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

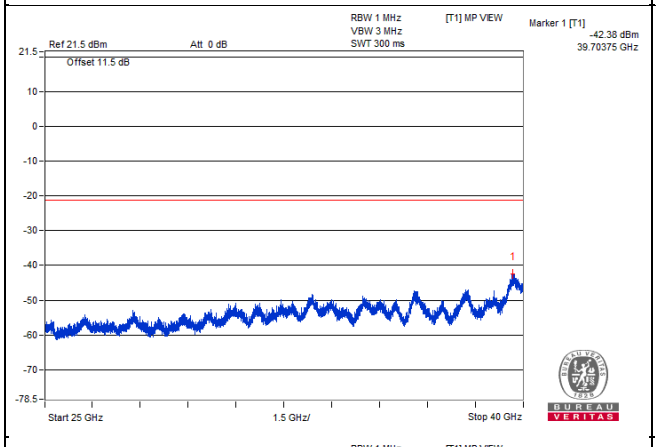

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.60 dBm
21.64343 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

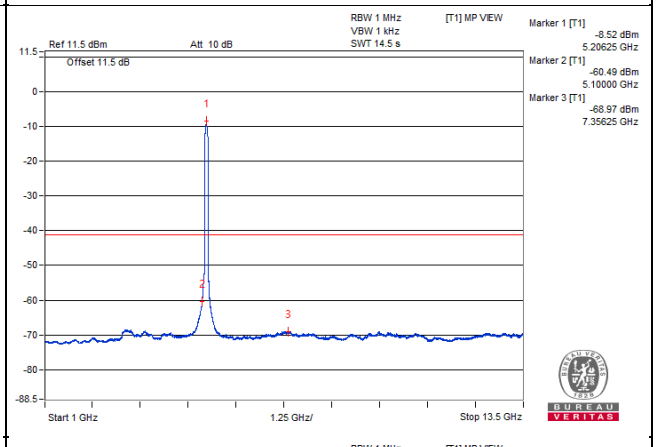

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.49 dBm
39.71875 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

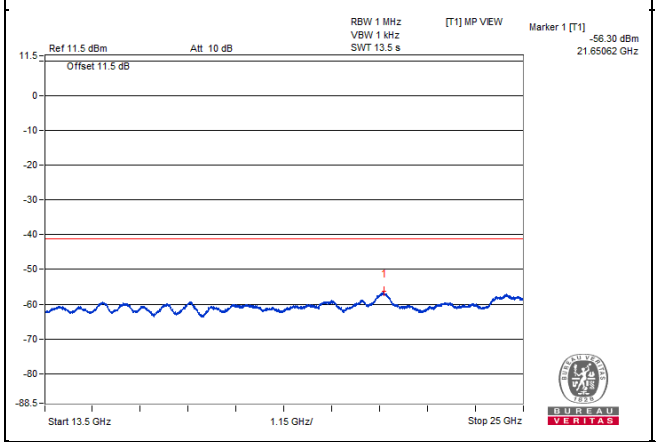
Chain 1

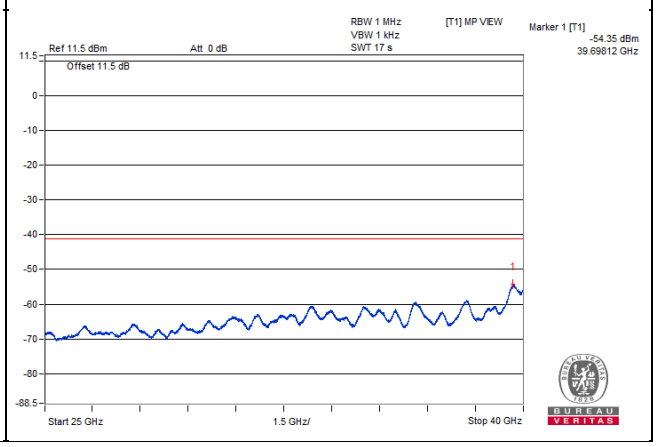

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
-0.01 dBm
5.21562 GHz
Marker 2 [T1]
-46.45 dBm
3.11250 GHz
Marker 3 [T1]
-46.95 dBm
13.47031 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.34 dBm
24.66075 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.38 dBm
39.70375 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-8.52 dBm
5.20625 GHz
Marker 2 [T1]
-60.49 dBm
5.10000 GHz
Marker 3 [T1]
-68.97 dBm
7.35625 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.30 dBm
21.65062 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.35 dBm
39.69812 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5214.82 PK	104.42	*		2.72	6.44	9.16
2	5150 PK	62.16	74	-11.84	-39.54	6.44	-33.1
3	5147.95 PK	64.44	74	-9.56	-37.26	6.44	-30.82
4	5211.77 AV	93.47	*		-8.23	6.44	-1.79
5	5150 AV	50.19	54	-3.81	-51.51	6.44	-45.07
6	5149.9 AV	50.24	54	-3.76	-51.46	6.44	-45.02

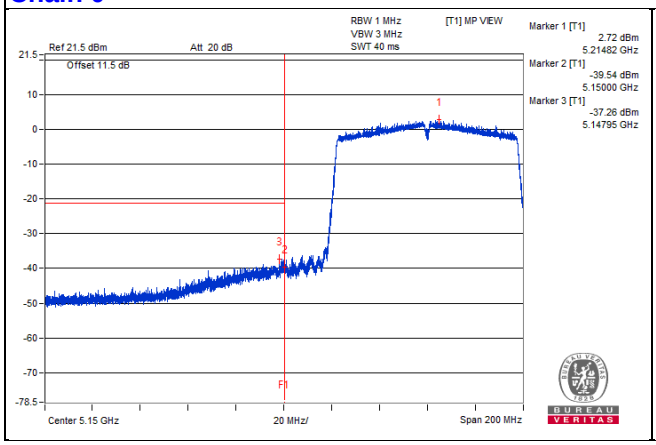
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

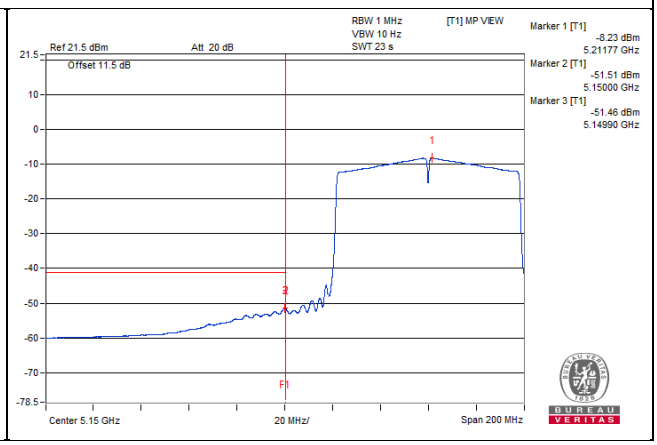
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5220.57 PK	104.02	*		2.34	6.42	8.76
2	5150 PK	60.69	74	-13.31	-40.99	6.42	-34.57
3	5149.27 PK	62.91	74	-11.09	-38.77	6.42	-32.35
4	5212 AV	93.15	*		-8.53	6.42	-2.11
5	5150 AV	49.66	54	-4.34	-52.02	6.42	-45.6
6	5149.75 AV	49.72	54	-4.28	-51.96	6.42	-45.54

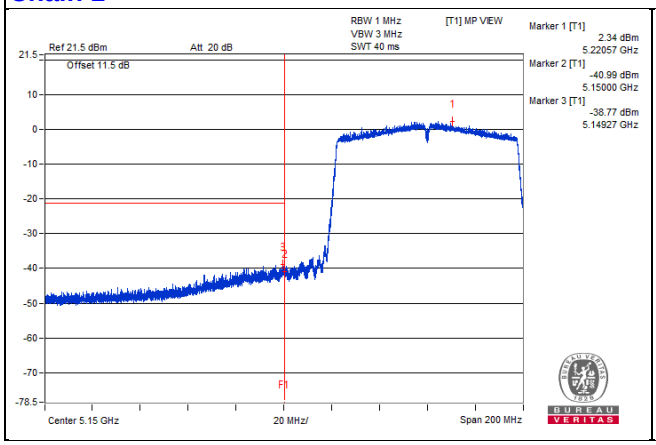
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

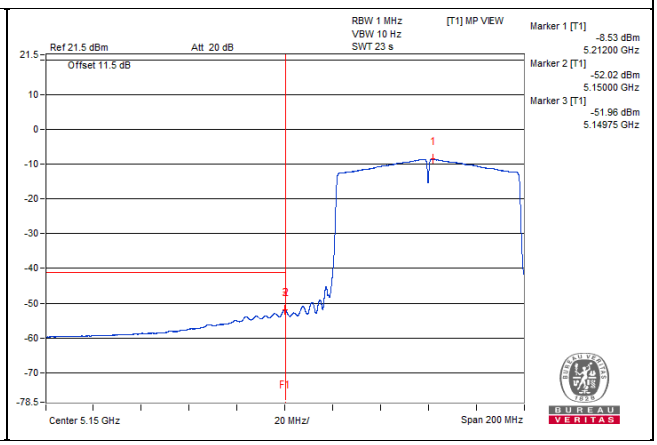
Chain 0





Chain 1





802.11ac (VHT80) - Channel 58

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5292.18 PK	104.39	*		2.47	6.66	9.13
2	3223.43 PK	55.44	68.2	-12.76	-46.48	6.66	-39.82
3	7095.31 PK	55.46	68.2	-12.74	-46.46	6.66	-39.8
4	24581.68 PK	57.55	68.2	-10.65	-44.37	6.66	-37.71
5	39761.87 PK	59.53	74	-14.47	-42.39	6.66	-35.73
6	5285.93 AV	95.61	*		-6.31	6.66	0.35
7	4809.37 AV	37.78	54	-16.22	-64.14	6.66	-57.48
8	9743.75 AV	33.01	#		-68.91	6.66	-62.25
9	21646.31 AV	45.42	#		-56.5	6.66	-49.84
10	39701.87 AV	47.63	54	-6.37	-54.29	6.66	-47.63

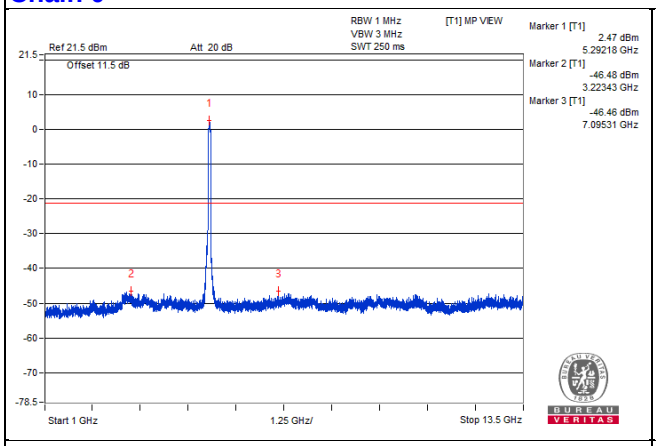
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

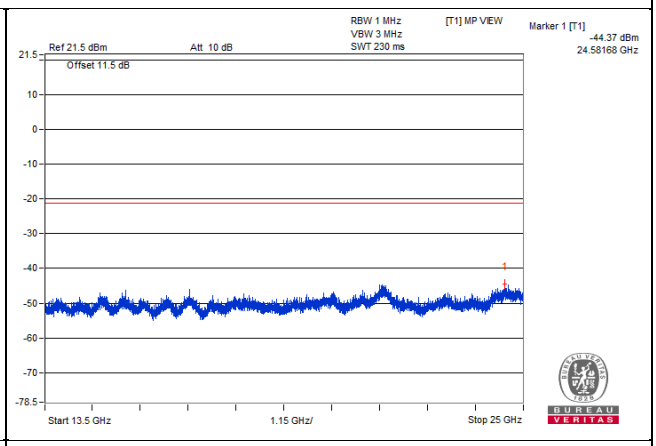
Chain 1

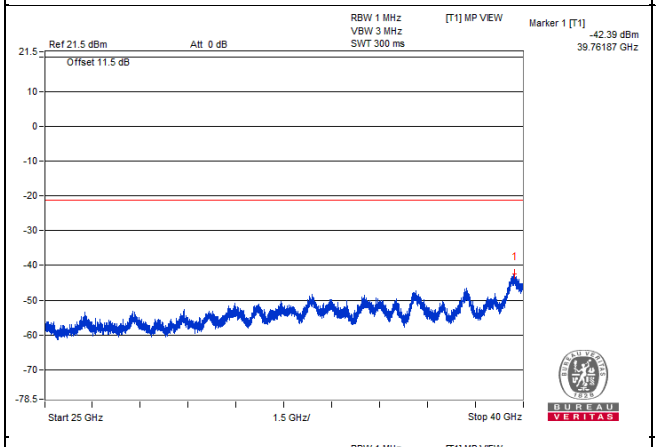
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5284.37 PK	105.19	*		3.18	6.75	9.93
2	3543.75 PK	55.08	74	-18.92	-46.93	6.75	-40.18
3	12782.81 PK	55.39	68.2	-12.81	-46.62	6.75	-39.87
4	24624.81 PK	58.06	68.2	-10.14	-43.95	6.75	-37.2
5	39701.87 PK	59.56	74	-14.44	-42.45	6.75	-35.7
6	5290.62 AV	95.74	*		-6.27	6.75	0.48
7	5098.43 AV	37.7	54	-16.3	-64.31	6.75	-57.56
8	7351.56 AV	33.29	54	-20.71	-68.72	6.75	-61.97
9	21614.68 AV	45.56	#		-56.45	6.75	-49.7
10	39700 AV	47.96	54	-6.04	-54.05	6.75	-47.3

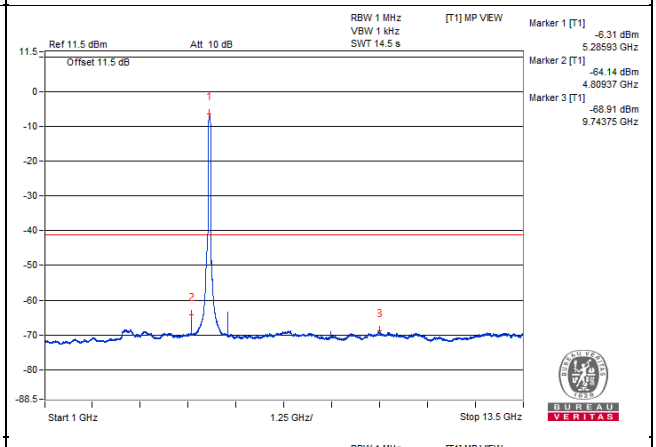
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

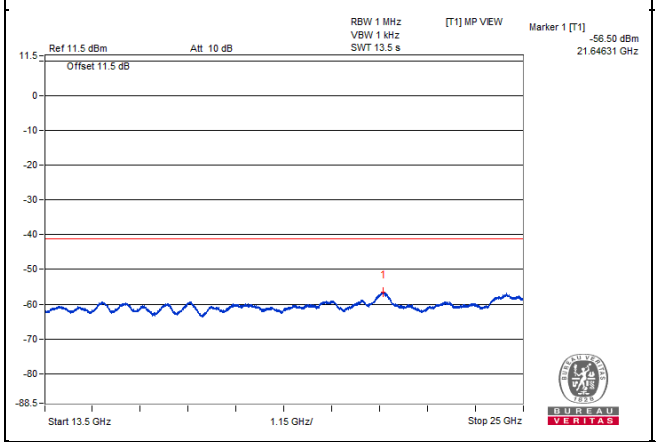
Chain 0

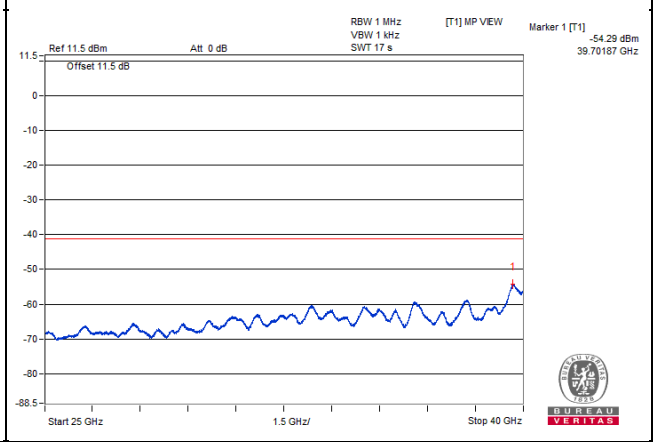

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
2.47 dBm
5.29218 GHz
Marker 2 [T1]
-46.48 dBm
3.22343 GHz
Marker 3 [T1]
-46.46 dBm
7.09531 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.37 dBm
24.58168 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

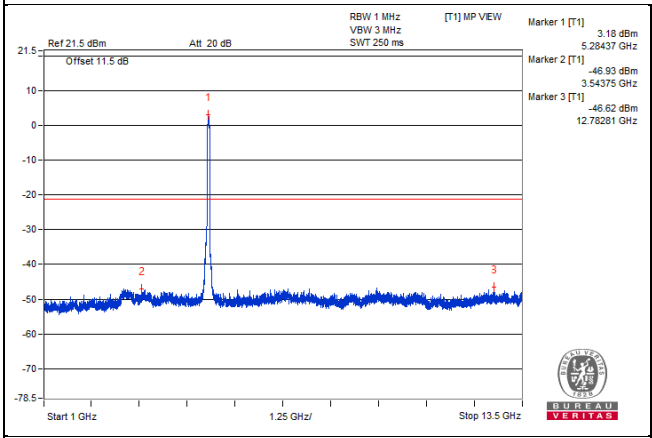

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.39 dBm
39.76187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

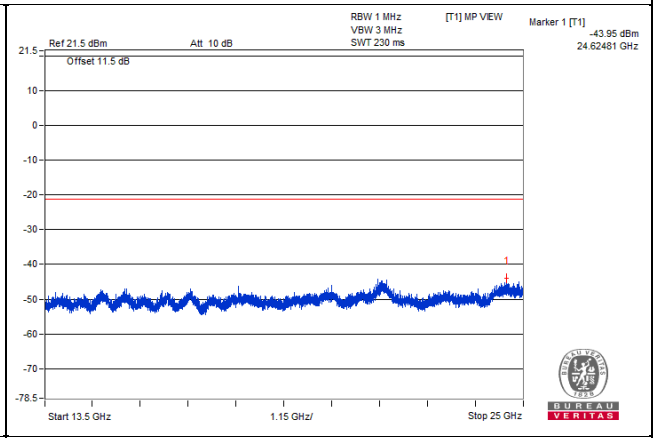

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-6.31 dBm
5.28593 GHz
Marker 2 [T1]
-64.14 dBm
4.80937 GHz
Marker 3 [T1]
-68.91 dBm
9.74375 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

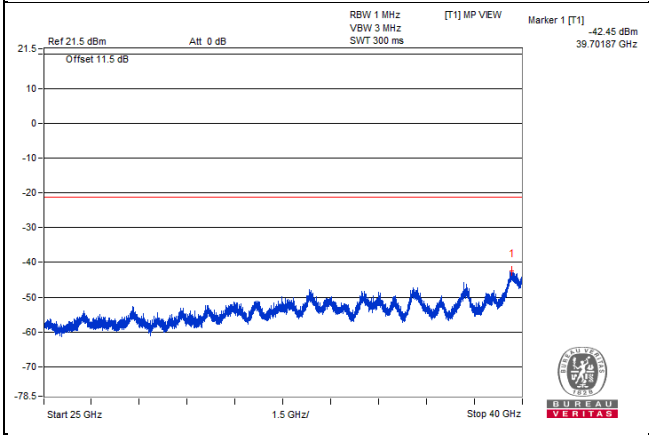

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.50 dBm
21.64631 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

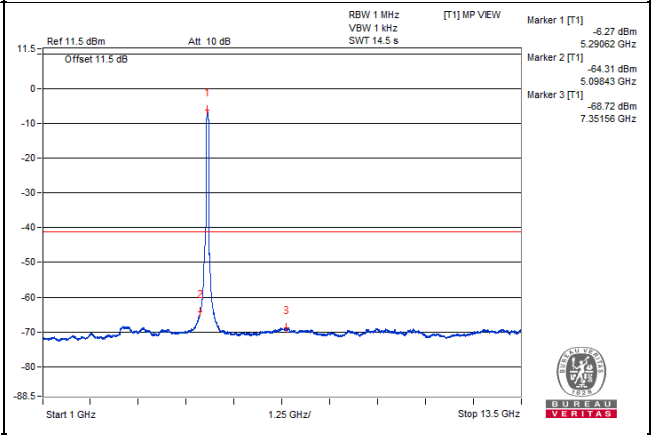

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.29 dBm
39.70187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

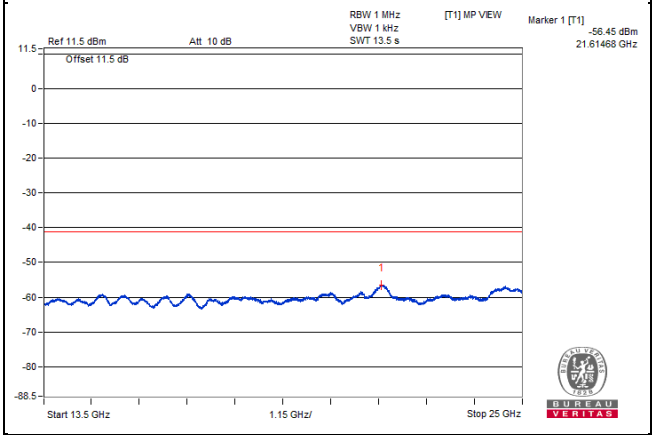
Chain 1

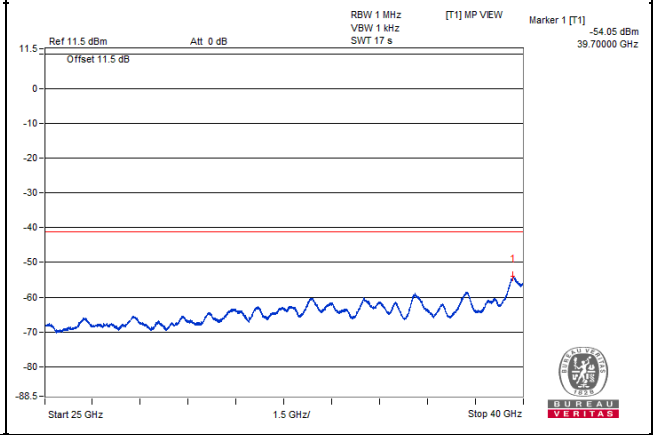

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
3.18 dBm
5.28437 GHz
Marker 2 [T1]
-46.93 dBm
3.54375 GHz
Marker 3 [T1]
-46.62 dBm
12.78281 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-43.95 dBm
24.62481 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.45 dBm
39.70187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-6.27 dBm
5.29062 GHz
Marker 2 [T1]
-64.31 dBm
5.09843 GHz
Marker 3 [T1]
-68.72 dBm
7.35158 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.45 dBm
21.61468 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.05 dBm
39.70000 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5279.07 PK	105.89	*		3.97	6.66	10.63
2	5350 PK	62.6	74	-11.4	-39.32	6.66	-32.66
3	5352.62 PK	68.84	74	-5.16	-33.08	6.66	-26.42
4	5291.87 AV	95.53	*		-6.39	6.66	0.27
5	5350 AV	51.96	54	-2.04	-49.96	6.66	-43.3
6	5350 AV	51.96	54	-2.04	-49.96	6.66	-43.3

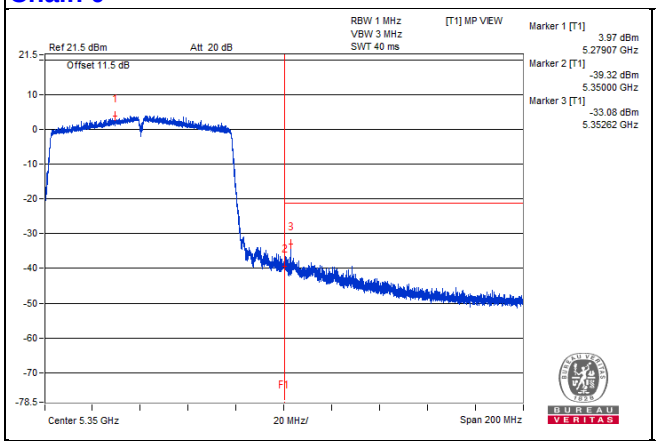
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

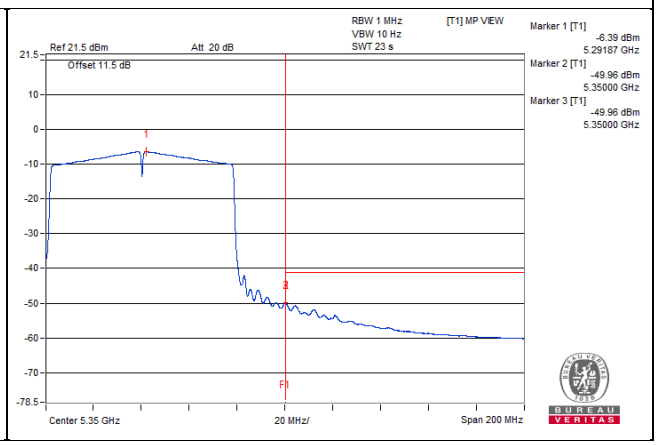
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5285.75 PK	106.72	*		4.89	6.57	11.46
2	5350 PK	65.91	74	-8.09	-35.92	6.57	-29.35
3	5350 PK	65.91	74	-8.09	-35.92	6.57	-29.35
4	5291.67 AV	95.28	*		-6.55	6.57	0.02
5	5350 AV	52.37	54	-1.63	-49.46	6.57	-42.69
6	5350.07 AV	52.4	54	-1.6	-49.43	6.57	-42.66

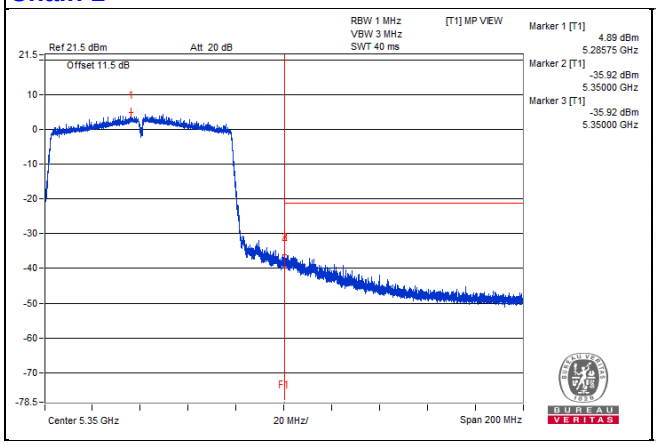
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.

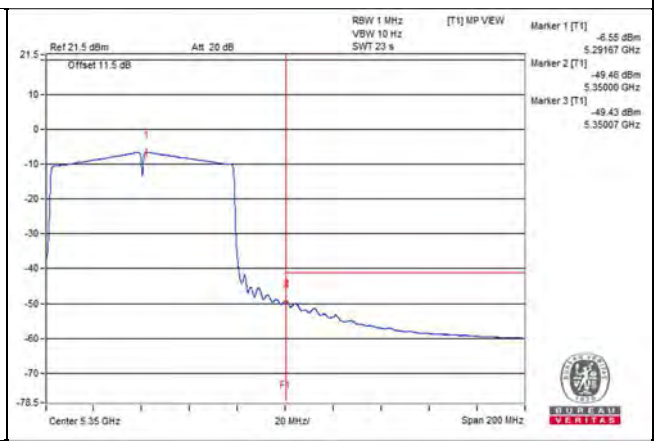
Chain 0





Chain 1





802.11ac (VHT80) - Channel 106

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5537.5 PK	101.84	*		-0.08	6.66	6.58
2	3243.75 PK	55.47	68.2	-12.73	-46.45	6.66	-39.79
3	7282.81 PK	54.95	74	-19.05	-46.97	6.66	-40.31
4	21544.25 PK	58.11	68.2	-10.09	-43.81	6.66	-37.15
5	39690.62 PK	59.72	74	-14.28	-42.2	6.66	-35.54
6	5525 AV	93.3	*		-8.62	6.66	-1.96
7	5050 AV	37.96	54	-16.04	-63.96	6.66	-57.3
8	6009.37 AV	39.21	#		-62.71	6.66	-56.05
9	21637.68 AV	45.44	#		-56.48	6.66	-49.82
10	39730 AV	47.51	54	-6.49	-54.41	6.66	-47.75

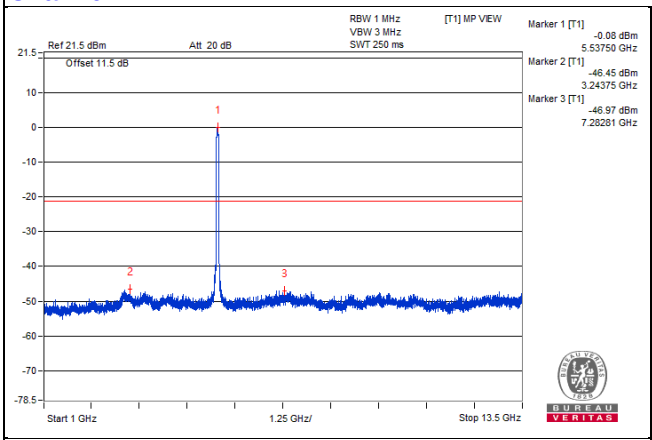
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

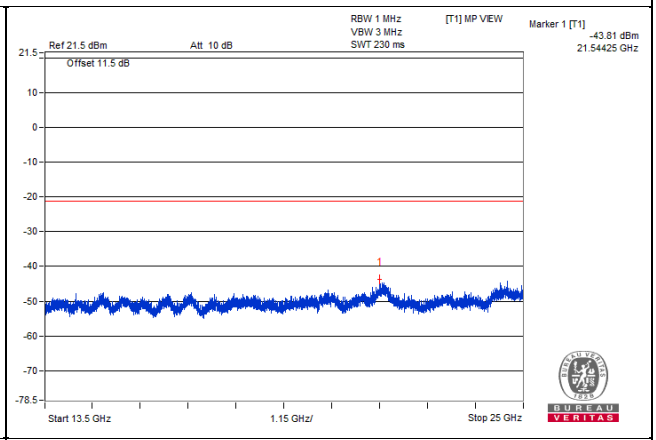
Chain 1

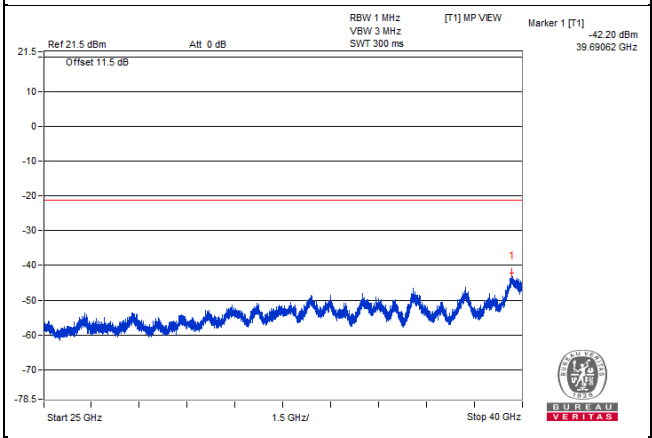
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5532.81 PK	102	*		-0.01	6.75	6.74
2	3623.43 PK	55.78	74	-18.22	-46.23	6.75	-39.48
3	7401.56 PK	55.33	74	-18.67	-46.68	6.75	-39.93
4	21620.43 PK	57.16	68.2	-11.04	-44.85	6.75	-38.1
5	39703.75 PK	59.71	74	-14.29	-42.3	6.75	-35.55
6	5528.12 AV	92.56	*		-9.45	6.75	-2.7
7	3117.18 AV	33.5	#		-68.51	6.75	-61.76
8	5775 AV	33.33	#		-68.68	6.75	-61.93
9	21653.5 AV	45.37	#		-56.64	6.75	-49.89
10	39696.25 AV	47.66	54	-6.34	-54.35	6.75	-47.6

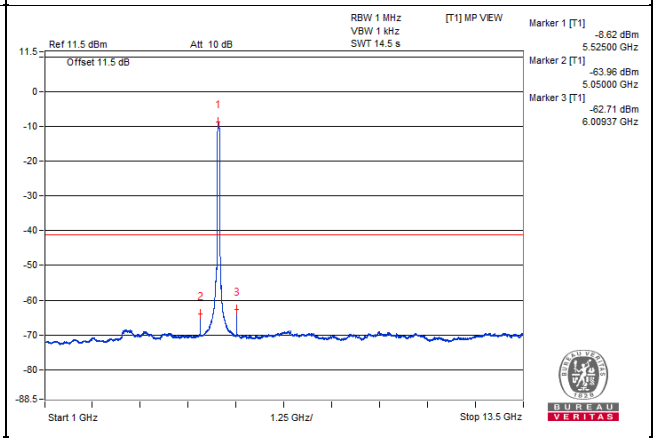
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

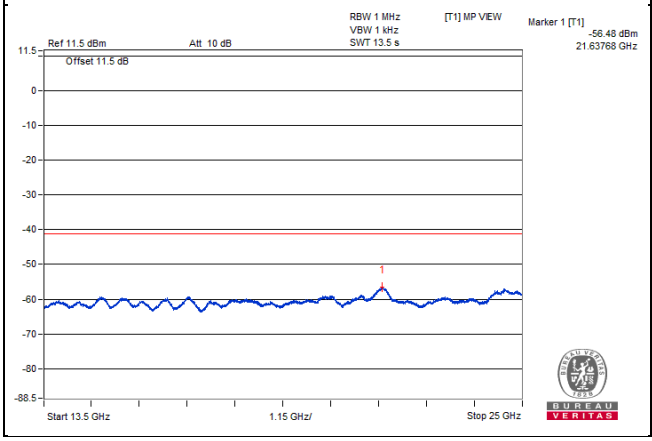
Chain 0

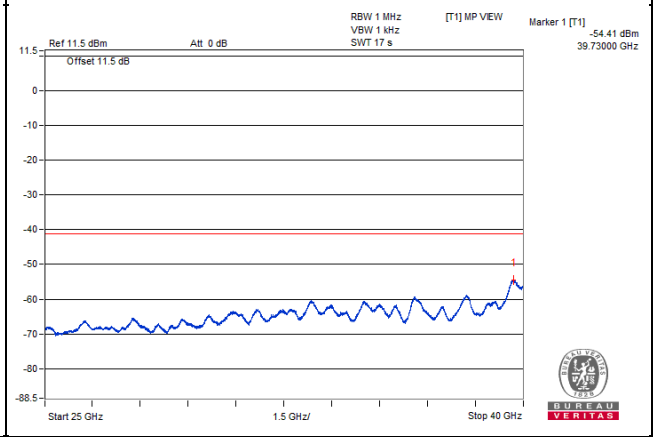

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
-0.08 dBm
5.53750 GHz
Marker 2 [T1]
-46.45 dBm
3.24375 GHz
Marker 3 [T1]
-46.97 dBm
7.28281 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-43.81 dBm
21.54425 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

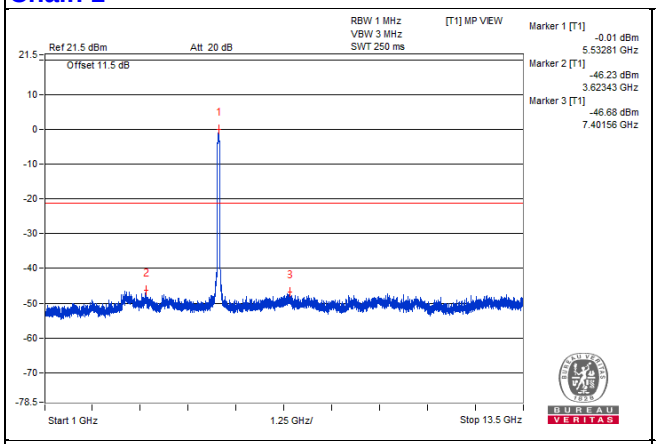

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.20 dBm
39.69062 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

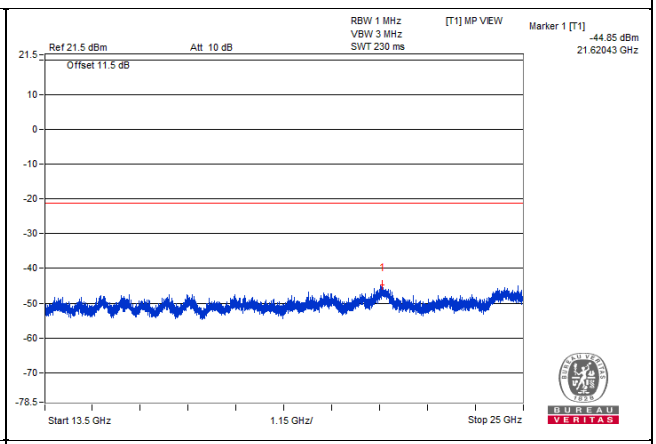

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-8.62 dBm
5.52500 GHz
Marker 2 [T1]
-63.96 dBm
5.05000 GHz
Marker 3 [T1]
-62.71 dBm
6.00937 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

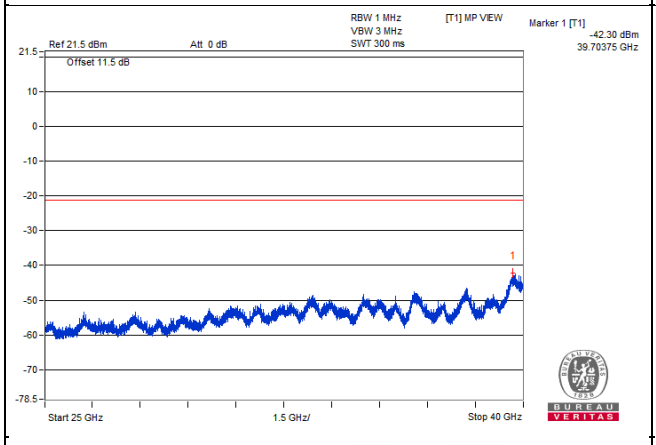

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.48 dBm
21.63768 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

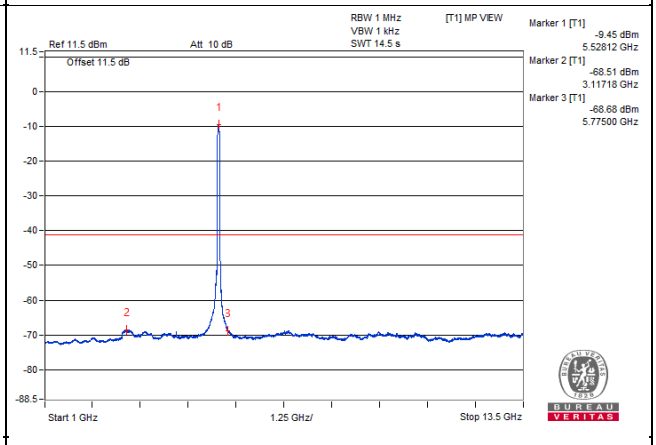

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.41 dBm
39.73000 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

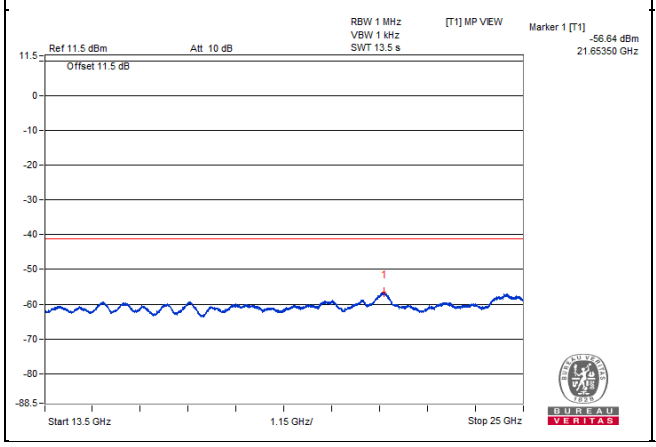
Chain 1

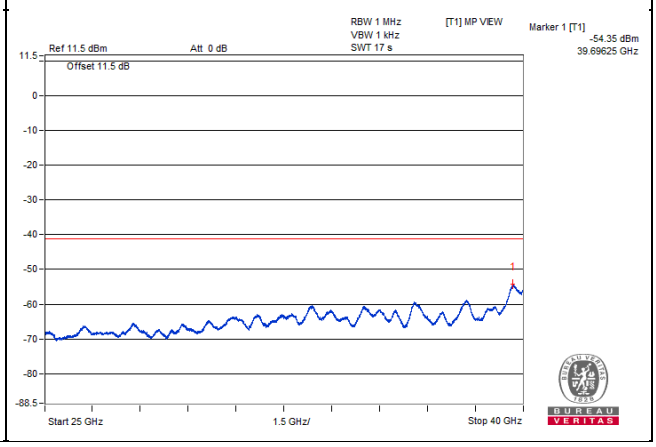

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
-0.01 dBm
5.53281 GHz
Marker 2 [T1]
-46.23 dBm
3.62343 GHz
Marker 3 [T1]
-46.68 dBm
7.40156 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.85 dBm
21.62043 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.30 dBm
39.70375 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-9.45 dBm
5.52812 GHz
Marker 2 [T1]
-68.51 dBm
3.11718 GHz
Marker 3 [T1]
-68.68 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.64 dBm
21.65350 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.35 dBm
39.69625 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5531.46 PK	103.52	*		2.03	6.23	8.26
2	5470 PK	59.83	68.2	-8.37	-41.66	6.23	-35.43
3	5468.87 PK	63.51	68.2	-4.69	-37.98	6.23	-31.75
4	5528.37 AV	92.98	*		-8.51	6.23	-2.28
5	5470 AV	49.65	#		-51.84	6.23	-45.61
6	5469.84 AV	49.7	#		-51.79	6.23	-45.56

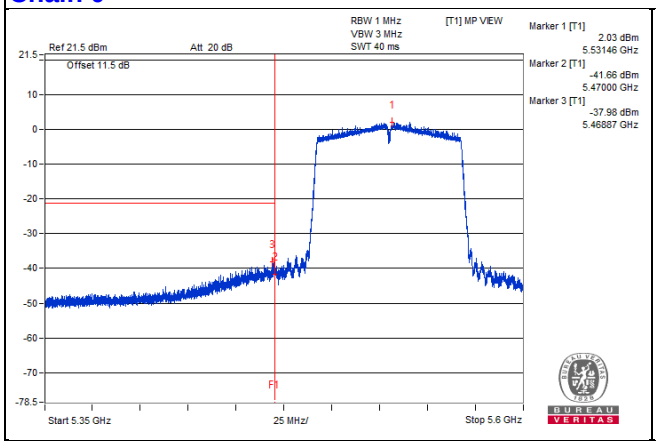
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

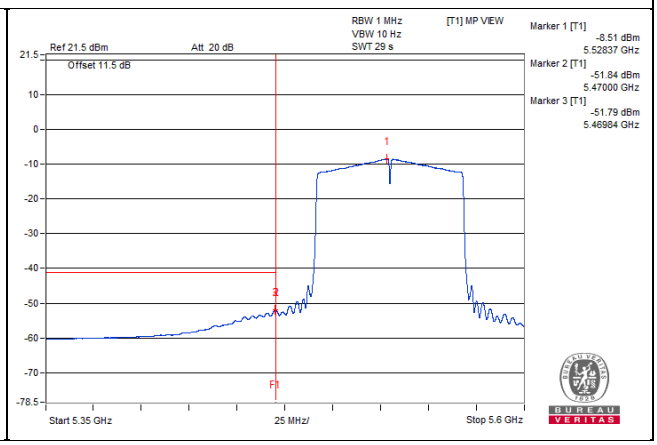
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5518.34 PK	103.33	*		1.32	6.75	8.07
2	5470 PK	61.08	68.2	-7.12	-40.93	6.75	-34.18
3	5469.18 PK	62.17	68.2	-6.03	-39.84	6.75	-33.09
4	5528.34 AV	92.5	*		-9.51	6.75	-2.76
5	5470 AV	49.38	#		-52.63	6.75	-45.88
6	5469.71 AV	49.47	#		-52.54	6.75	-45.79

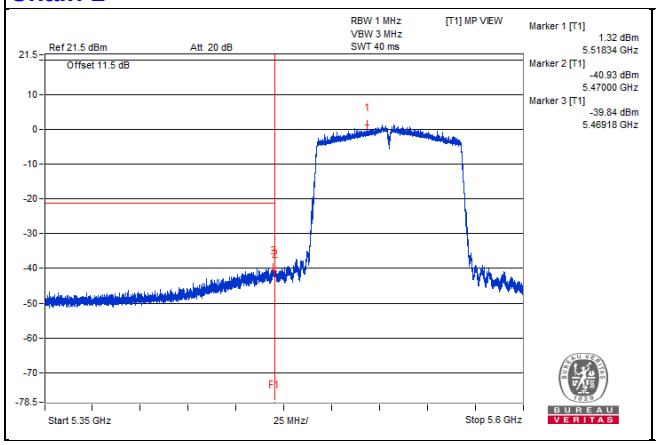
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

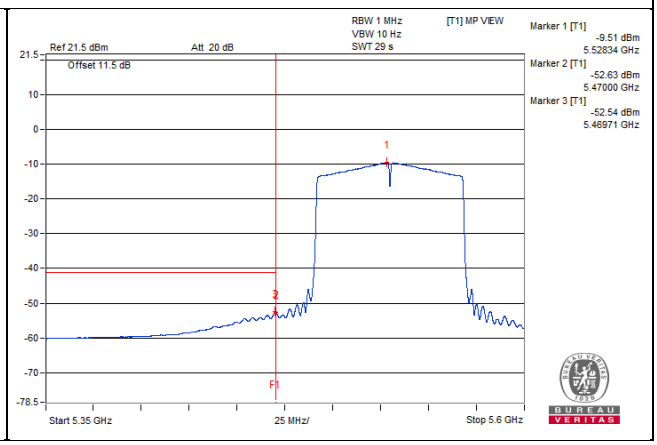
Chain 0





Chain 1





802.11ac (VHT80) - Channel 122

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5606.25 PK	104.63	*		2.71	6.66	9.37
2	3060.93 PK	55.43	68.2	-12.77	-46.49	6.66	-39.83
3	9670.31 PK	54.81	68.2	-13.39	-47.11	6.66	-40.45
4	24903.68 PK	57.91	68.2	-10.29	-44.01	6.66	-37.35
5	39722.5 PK	59.5	74	-14.5	-42.42	6.66	-35.76
6	5607.81 AV	96.1	*		-5.82	6.66	0.84
7	3106.25 AV	33.39	#		-68.53	6.66	-61.87
8	6090.62 AV	39.22	#		-62.7	6.66	-56.04
9	21616.12 AV	45.42	#		-56.5	6.66	-49.84
10	39711.25 AV	47.79	54	-6.21	-54.13	6.66	-47.47

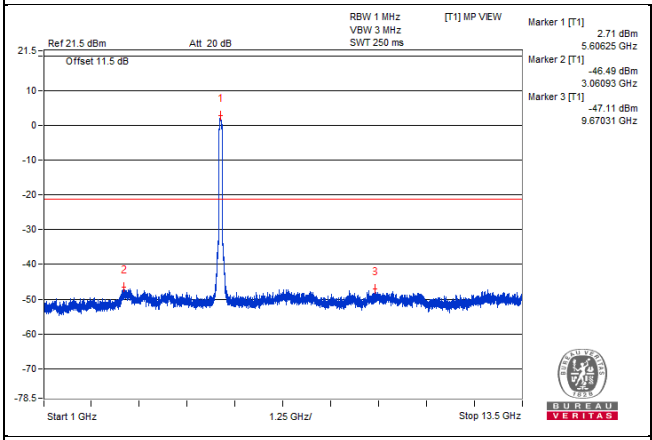
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

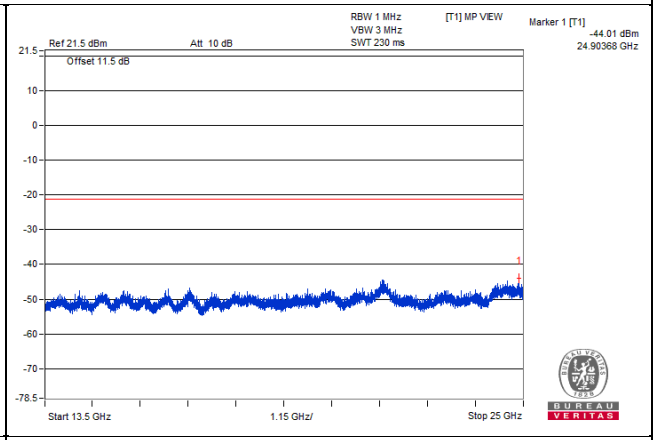
Chain 1

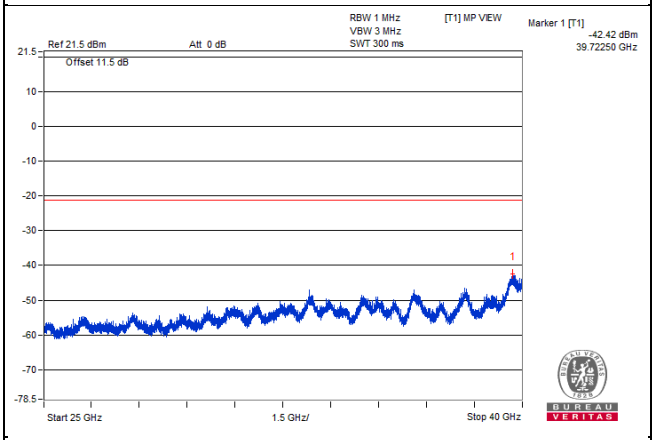
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5610.93 PK	103.4	*		1.39	6.75	8.14
2	3089.06 PK	55.62	68.2	-12.58	-46.39	6.75	-39.64
3	7198.43 PK	55.6	68.2	-12.6	-46.41	6.75	-39.66
4	21649.18 PK	57.73	68.2	-10.47	-44.28	6.75	-37.53
5	39655 PK	58.97	74	-15.03	-43.04	6.75	-36.29
6	5607.81 AV	94.61	*		-7.4	6.75	-0.65
7	4487.5 AV	36.64	#		-65.37	6.75	-58.62
8	5776.56 AV	37.18	#		-64.83	6.75	-58.08
9	21639.12 AV	45.46	#		-56.55	6.75	-49.8
10	39705.62 AV	47.63	54	-6.37	-54.38	6.75	-47.63

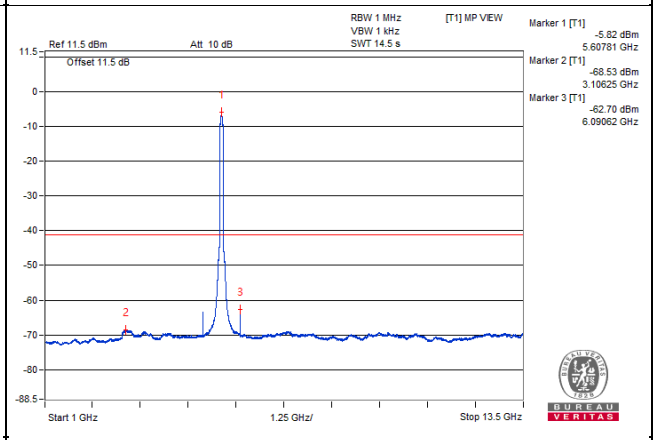
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

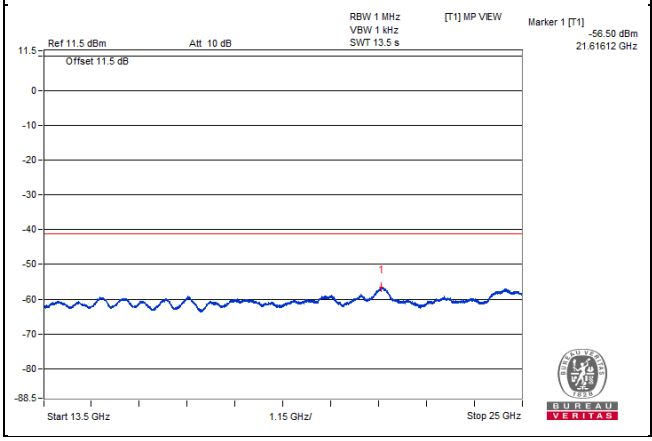
Chain 0

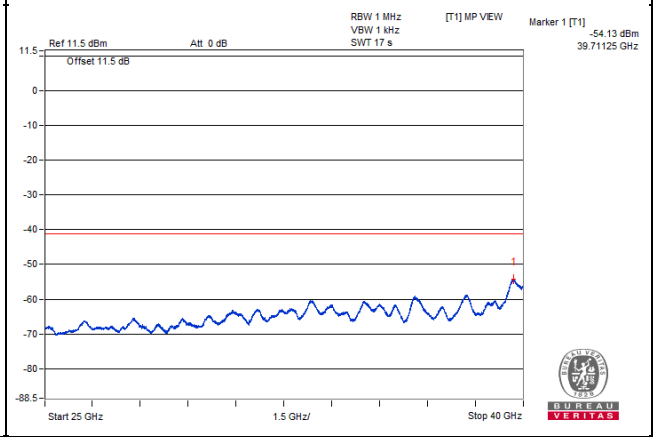

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
2.71 dBm
5.60625 GHz
Marker 2 [T1]
-46.49 dBm
3.06093 GHz
Marker 3 [T1]
-47.11 dBm
9.67031 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.01 dBm
24.90368 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

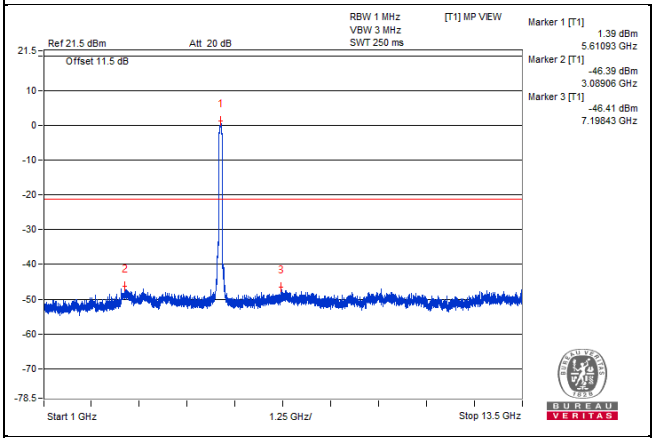

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.42 dBm
39.72250 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

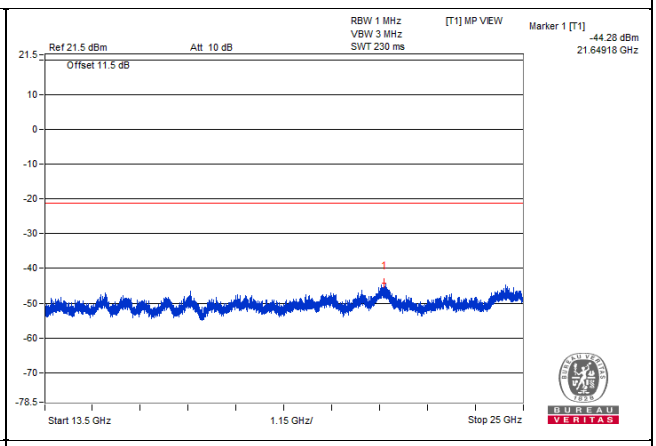

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-5.82 dBm
5.60781 GHz
Marker 2 [T1]
-68.53 dBm
3.10625 GHz
Marker 3 [T1]
-62.70 dBm
6.09062 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

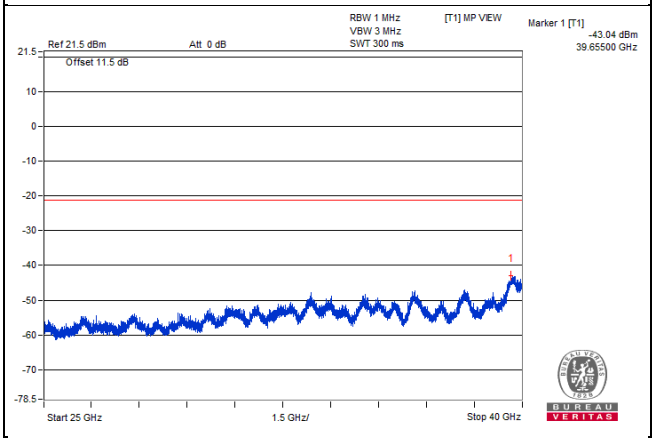

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.50 dBm
21.61612 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

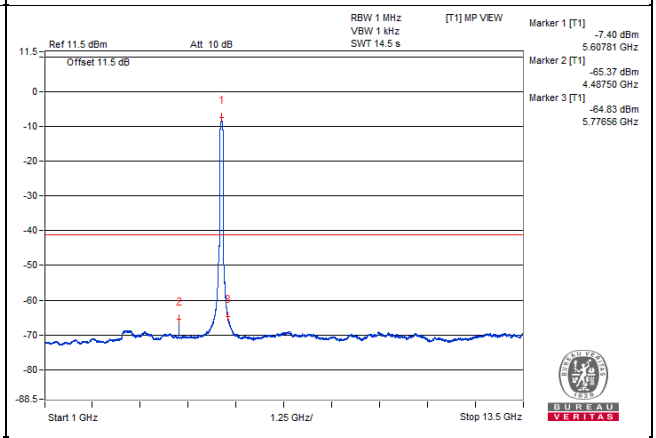

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.13 dBm
39.71125 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

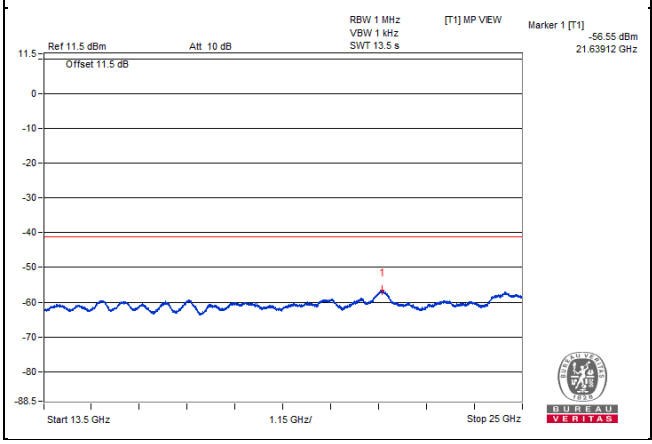
Chain 1

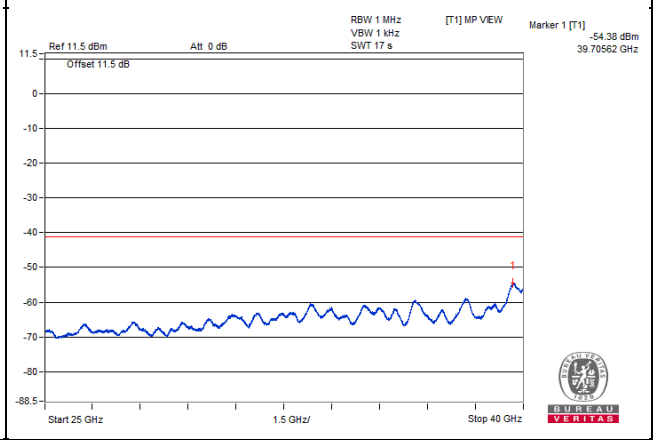

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
1.39 dBm
5.61093 GHz
Marker 2 [T1]
-46.39 dBm
3.08906 GHz
Marker 3 [T1]
-46.41 dBm
7.19843 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.28 dBm
21.64918 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-43.04 dBm
39.65500 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-7.40 dBm
5.60781 GHz
Marker 2 [T1]
-65.37 dBm
4.48750 GHz
Marker 3 [T1]
-64.83 dBm
5.77656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.55 dBm
21.63912 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.38 dBm
39.70562 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5626.9 PK	105.52	*		4.03	6.23	10.26
2	5725 PK	56.28	68.2	-11.92	-45.21	6.23	-38.98
3	5726.1 PK	62.13	68.2	-6.07	-39.36	6.23	-33.13
4	5625 AV	93.91	*		-7.58	6.23	-1.35
5	5725 AV	45.42	#		-56.07	6.23	-49.84
6	5725 AV	45.42	#		-56.07	6.23	-49.84

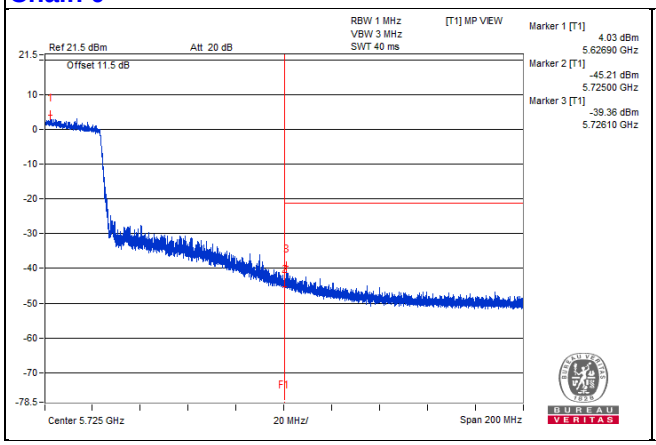
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

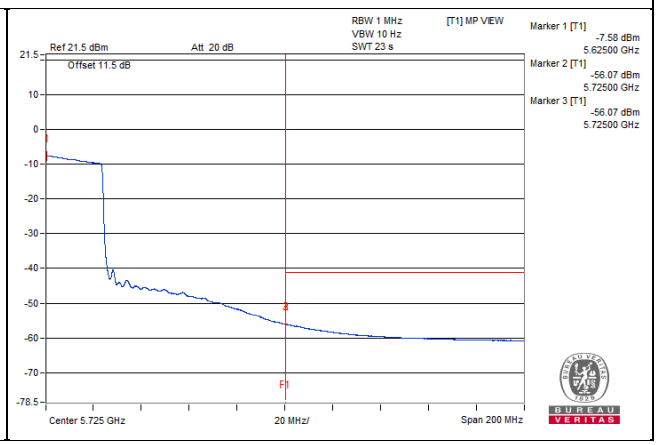
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5627.22 PK	103.74	*		1.73	6.75	8.48
2	5725 PK	56.28	68.2	-11.92	-45.73	6.75	-38.98
3	5733.77 PK	56.76	68.2	-11.44	-45.25	6.75	-38.5
4	5625.12 AV	92.8	*		-9.21	6.75	-2.46
5	5725 AV	43.55	#		-58.46	6.75	-51.71
6	5725 AV	43.55	#		-58.46	6.75	-51.71

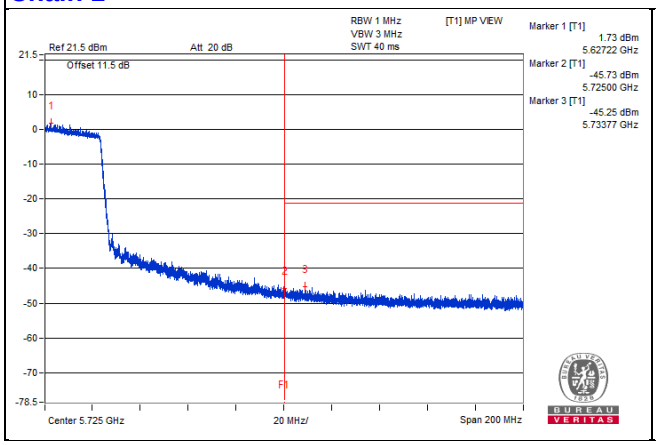
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

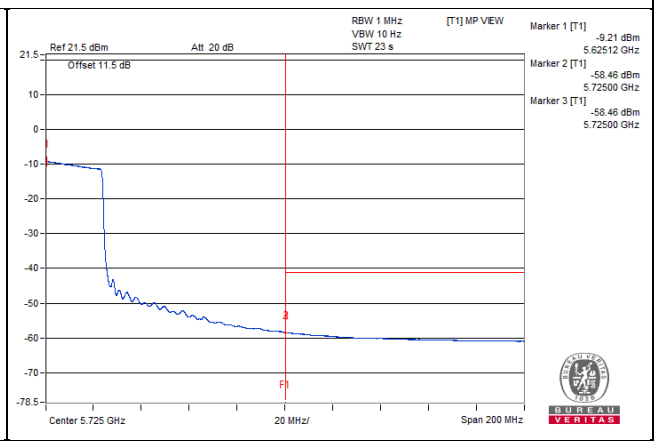
Chain 0





Chain 1





802.11ac (VHT80) - Channel 138

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5692.18 PK	105.05	*		3.13	6.66	9.79
2	3232.81 PK	55.94	68.2	-12.26	-45.98	6.66	-39.32
3	24550.06 PK	57.13	68.2	-11.07	-44.79	6.66	-38.13
4	39701.87 PK	59.78	74	-14.22	-42.14	6.66	-35.48
5	5689.06 AV	96.31	*		-5.61	6.66	1.05
6	4551.56 AV	35.44	54	-18.56	-66.48	6.66	-59.82
7	5775 AV	54.21	#		-47.71	6.66	-41.05
8	21630.5 AV	45.39	#		-56.53	6.66	-49.87
9	39746.87 AV	47.49	54	-6.51	-54.43	6.66	-47.77

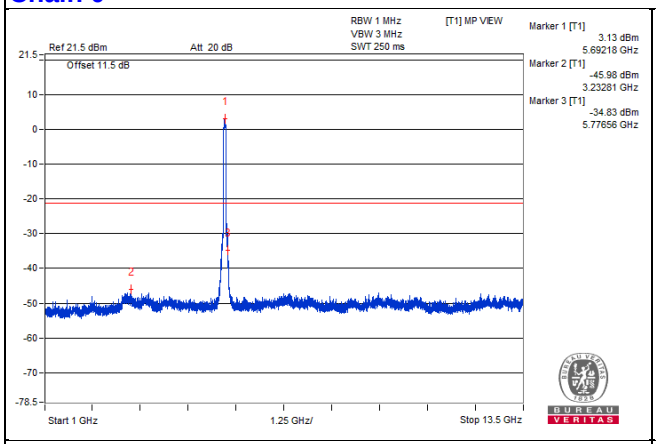
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

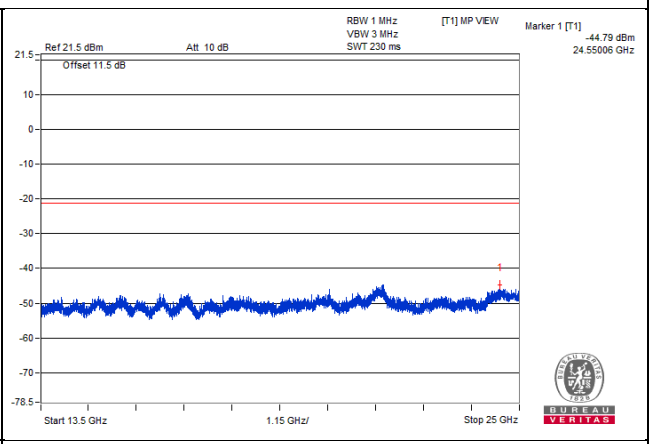
Chain 1

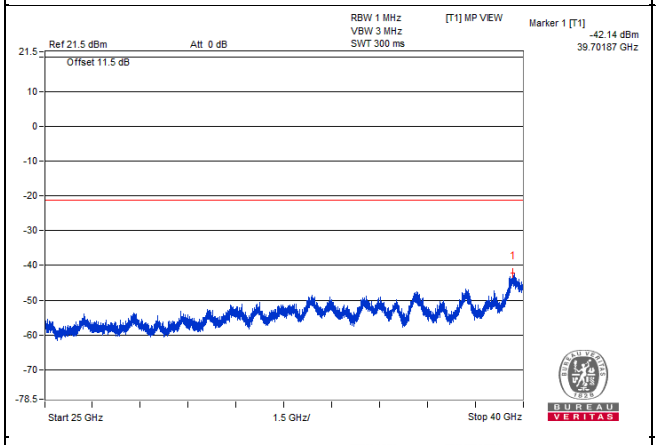
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5695.31 PK	103.16	*		1.15	6.75	7.9
2	3234.37 PK	55.07	68.2	-13.13	-46.94	6.75	-40.19
3	5776.56 PK	57.39	68.2	-10.81	-44.62	6.75	-37.87
4	21742.62 PK	56.85	68.2	-11.35	-45.16	6.75	-38.41
5	39720.62 PK	59.65	74	-14.35	-42.36	6.75	-35.61
6	5687.5 AV	94.59	*		-7.42	6.75	-0.67
7	4551.56 AV	36.31	54	-17.69	-65.7	6.75	-58.95
8	5776.56 AV	45.78	#		-56.23	6.75	-49.48
9	21613.25 AV	45.47	#		-56.54	6.75	-49.79
10	39692.5 AV	47.65	54	-6.35	-54.36	6.75	-47.61

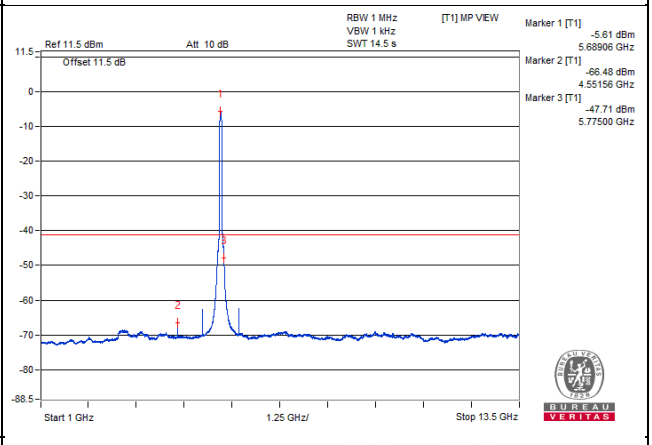
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

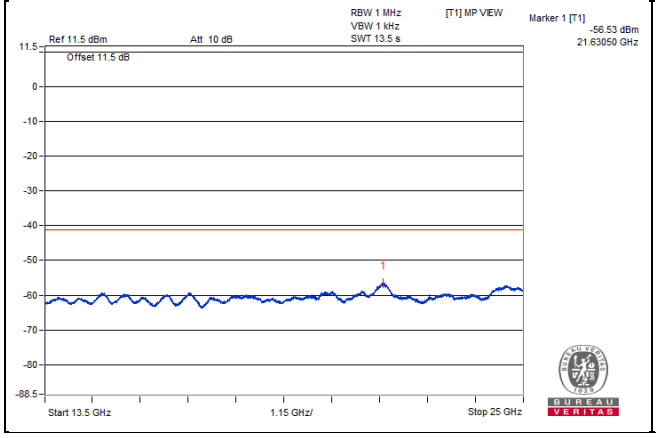
Chain 0

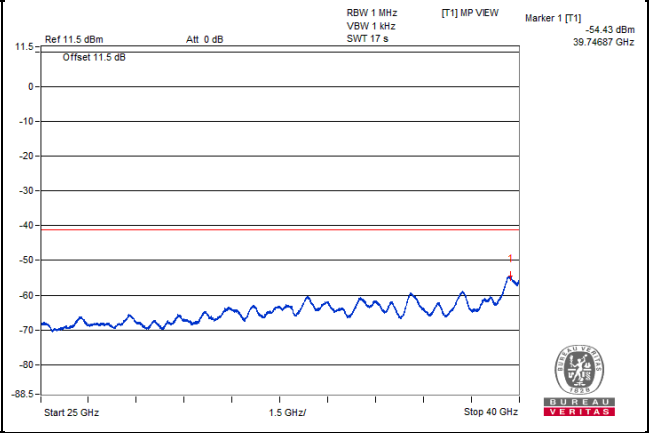

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
3.13 dBm
5.69218 GHz
Marker 2 [T1]
-45.98 dBm
3.23281 GHz
Marker 3 [T1]
-34.83 dBm
5.77656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.79 dBm
24.55006 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

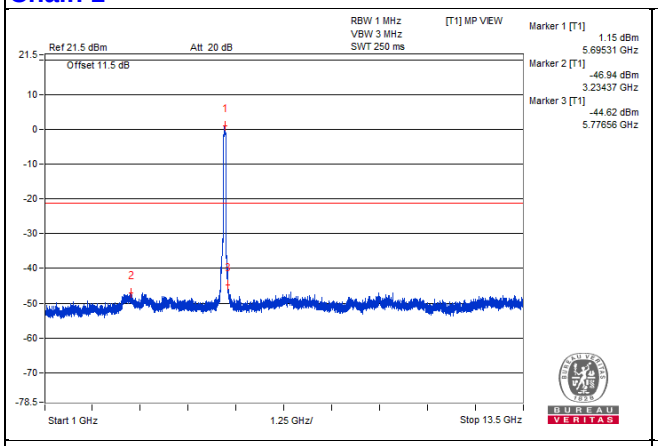

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.14 dBm
39.70187 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

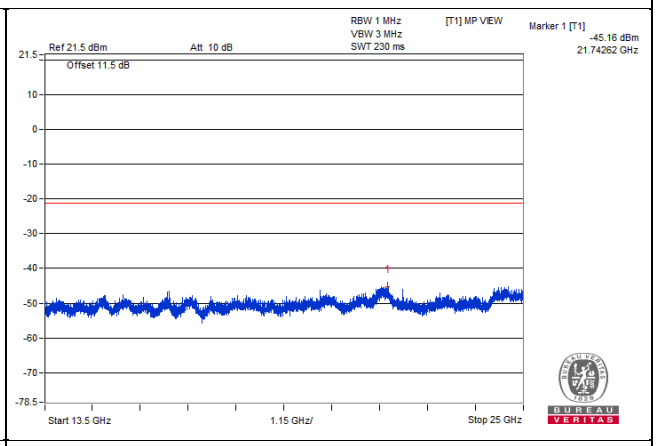

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-5.61 dBm
5.68906 GHz
Marker 2 [T1]
-66.48 dBm
4.55156 GHz
Marker 3 [T1]
-47.71 dBm
5.77500 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

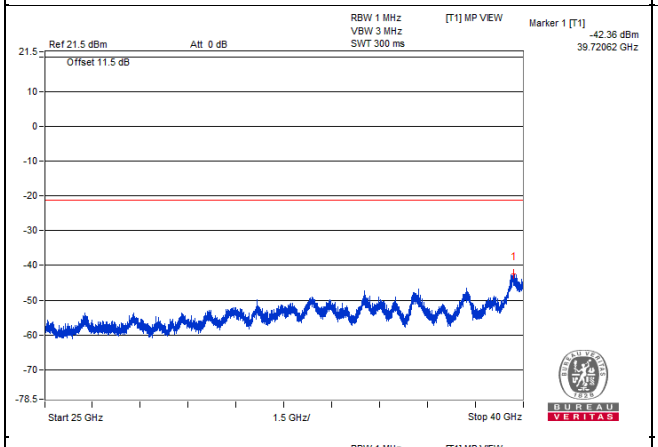

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.53 dBm
21.63050 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

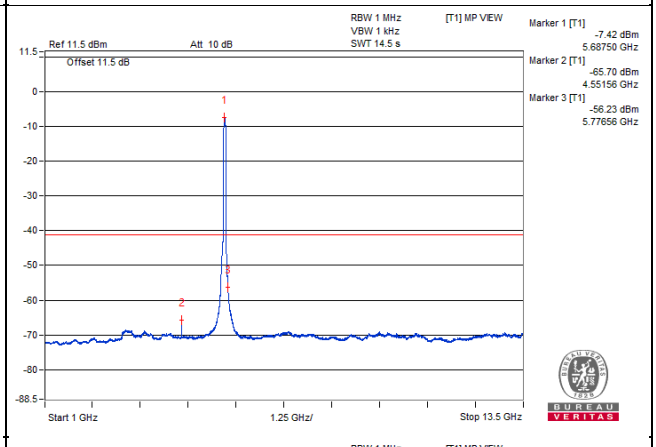

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.43 dBm
39.74687 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

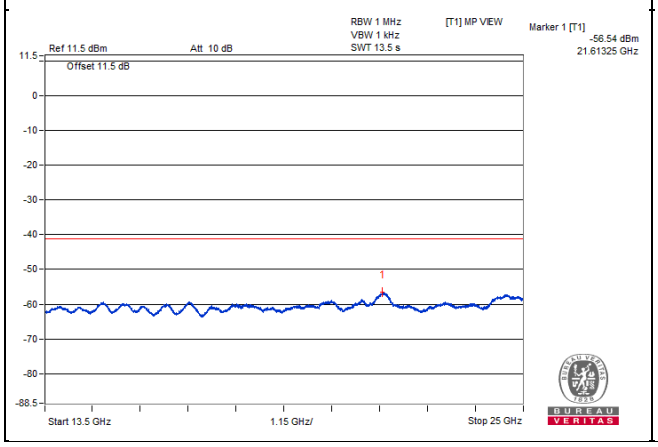
Chain 1

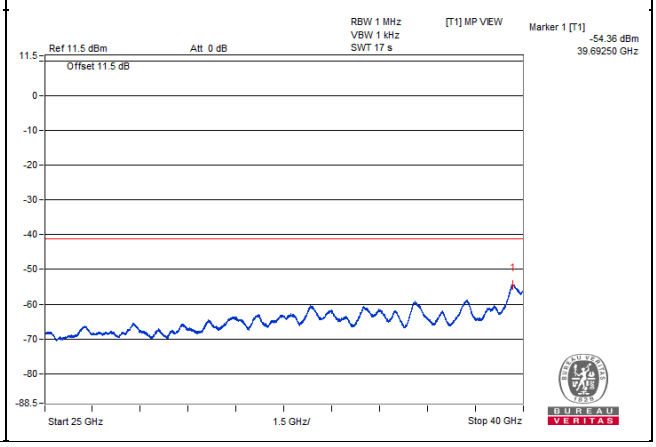

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
1.15 dBm
5.69531 GHz
Marker 2 [T1]
-46.94 dBm
3.23437 GHz
Marker 3 [T1]
-44.62 dBm
5.77656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-45.16 dBm
21.74262 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.36 dBm
39.72062 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz


RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-7.42 dBm
5.68750 GHz
Marker 2 [T1]
-65.70 dBm
4.55156 GHz
Marker 3 [T1]
-56.23 dBm
5.77656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.54 dBm
21.61325 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.36 dBm
39.69250 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5685.62 PK	106.67	*		5.18	6.23	11.41
2	5850 PK	53.53	68.2	-14.67	-47.96	6.23	-41.73
3	5853.06 PK	56.32	68.2	-11.88	-45.17	6.23	-38.94
4	5691.66 AV	95.95	*		-5.54	6.23	0.69
5	5850 AV	42.49	#		-59	6.23	-52.77
6	5850.02 AV	42.49	#		-59	6.23	-52.77

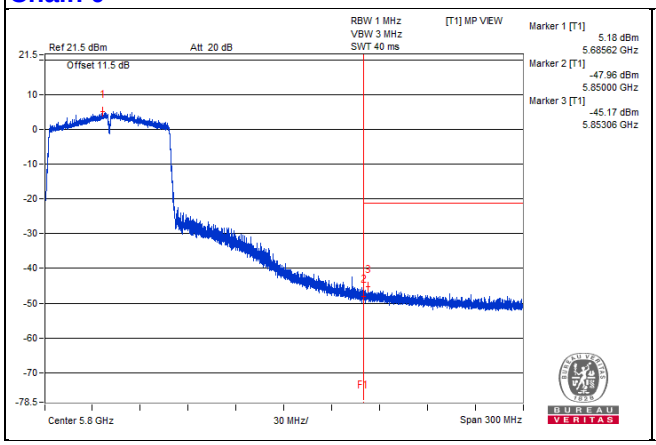
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

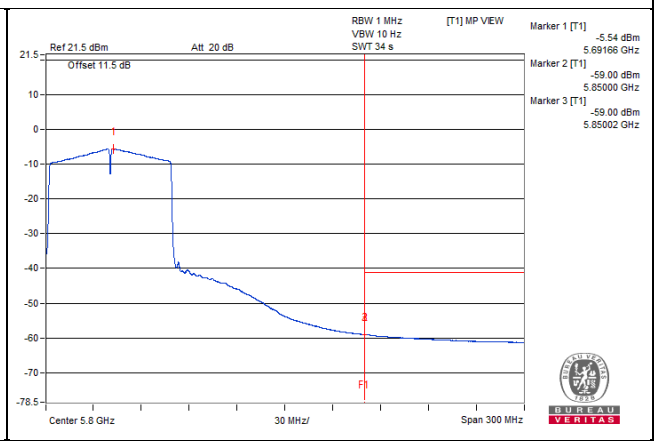
Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5688.13 PK	105.12	*		3.11	6.75	9.86
2	5850 PK	52.69	68.2	-15.51	-49.32	6.75	-42.57
3	5851.93 PK	56.1	68.2	-12.1	-45.91	6.75	-39.16
4	5691.73 AV	94.44	*		-7.57	6.75	-0.82
5	5850 AV	42.1	#		-59.91	6.75	-53.16
6	5850 AV	42.1	#		-59.91	6.75	-53.16

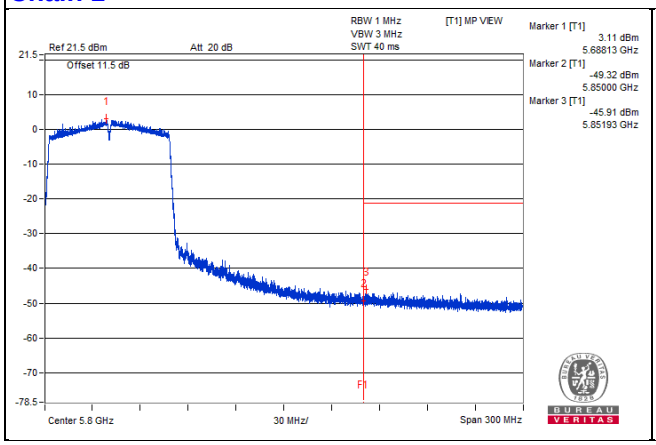
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

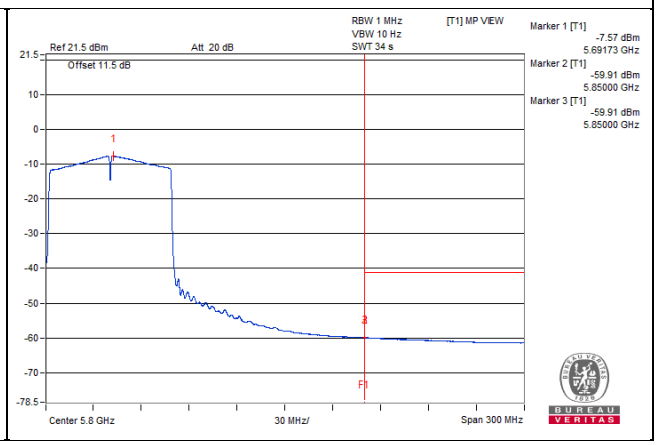
Chain 0





Chain 1





802.11ac (VHT80) – Channel 155

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5778.12 PK	104.73	*		2.81	6.66	9.47
2	3640.62 PK	55	74	-19	-46.92	6.66	-40.26
3	24476.75 PK	57.63	68.2	-10.57	-44.29	6.66	-37.63
4	39673.75 PK	61.15	74	-12.85	-40.77	6.66	-34.11
5	5773.43 AV	95.91	*		-6.01	6.66	0.65
6	3079.68 AV	33.32	#		-68.6	6.66	-61.94
7	5776.56 AV	95.85	*		-6.07	6.66	0.59
8	21650.62 AV	45.39	#		-56.53	6.66	-49.87
9	39709.37 AV	47.48	54	-6.52	-54.44	6.66	-47.78

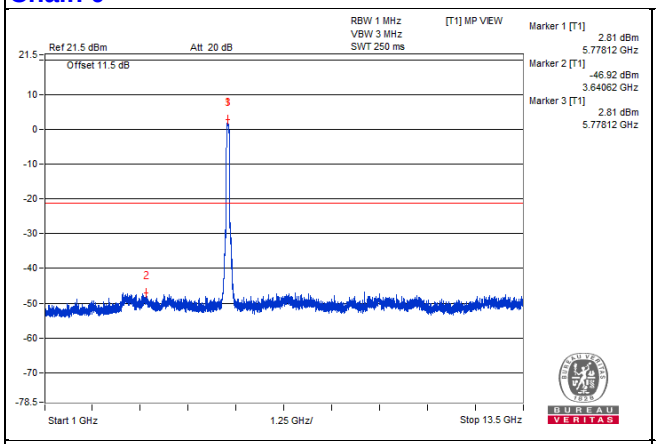
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. * : Fundamental frequency, the limit was restricted at the output power.
3. # : Non-restricted frequency, no limit for average emission.

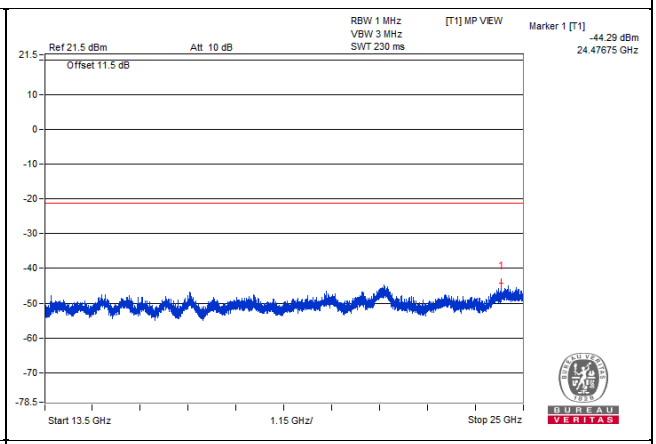
Chain 1

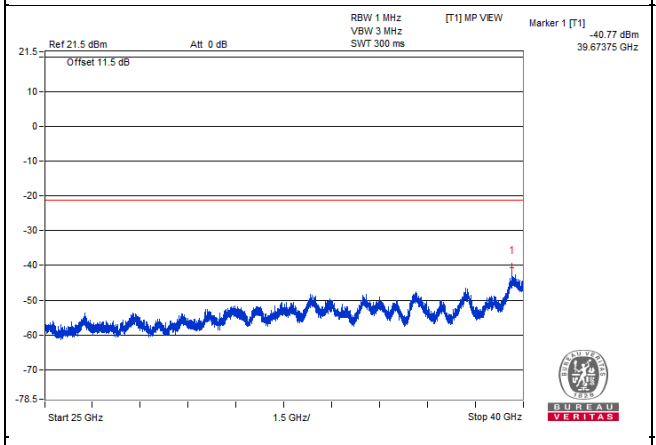
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5764.06 PK	103.46	*		1.45	6.75	8.2
2	3232.81 PK	55.06	68.2	-13.14	-46.95	6.75	-40.2
3	5782.81 PK	102.92	*		0.91	6.75	7.66
4	21699.5 PK	57.36	68.2	-10.84	-44.65	6.75	-37.9
5	39746.87 PK	59.26	74	-14.74	-42.75	6.75	-36
6	5776.56 AV	94.06	*		-7.95	6.75	-1.2
7	4620.31 AV	37.51	54	-16.49	-64.5	6.75	-57.75
8	5776.56 AV	94.06	*		-7.95	6.75	-1.2
9	21642 AV	45.28	#		-56.73	6.75	-49.98
10	39711.25 AV	47.37	54	-6.63	-54.64	6.75	-47.89

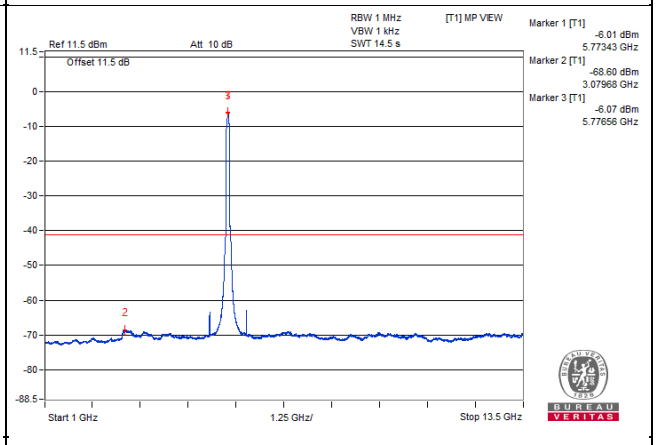
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. * : Fundamental frequency, the limit was restricted at the output power.
4. # : Non-restricted frequency, no limit for average emission.

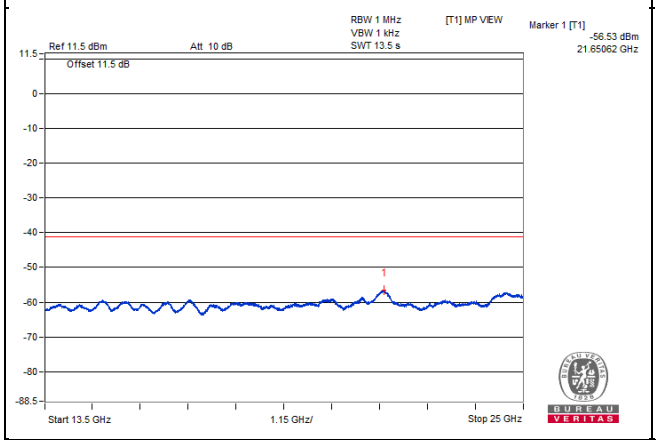
Chain 0

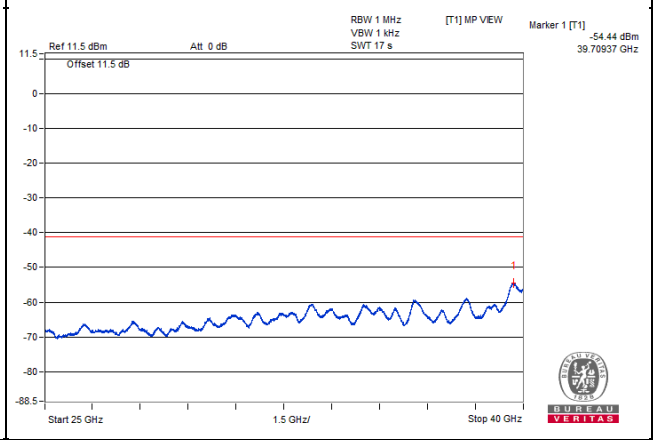

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
2.81 dBm
5.77812 GHz
Marker 2 [T1]
-46.92 dBm
3.64062 GHz
Marker 3 [T1]
2.81 dBm
5.77812 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.29 dBm
24.47675 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

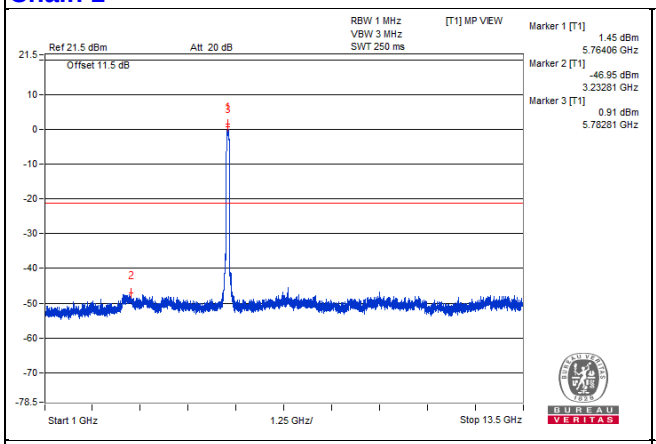

RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-40.77 dBm
39.67375 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

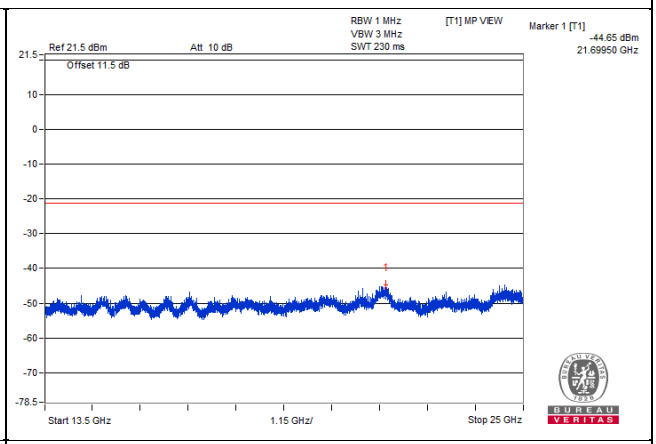

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-6.01 dBm
5.77343 GHz
Marker 2 [T1]
-68.60 dBm
3.07968 GHz
Marker 3 [T1]
-6.07 dBm
5.77656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz

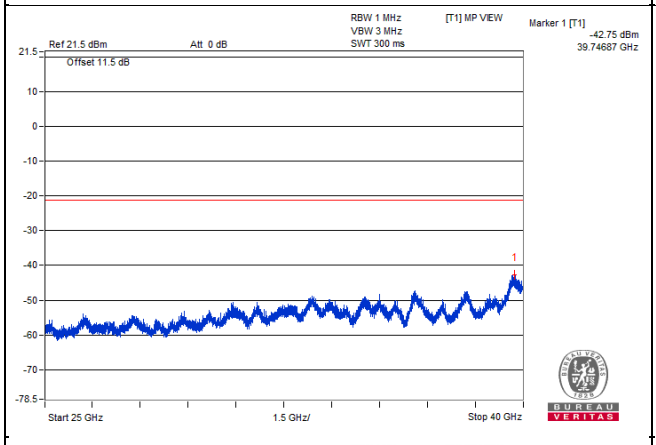

RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.53 dBm
21.65062 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

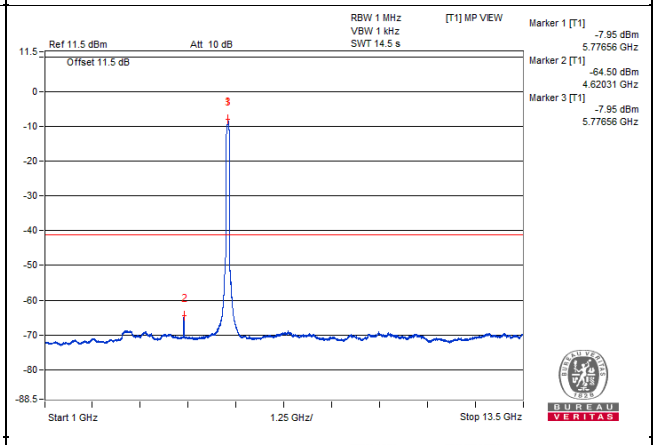

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.44 dBm
39.70937 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

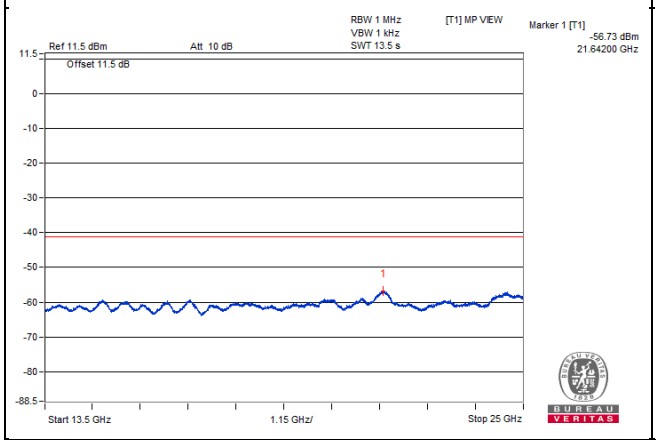
Chain 1

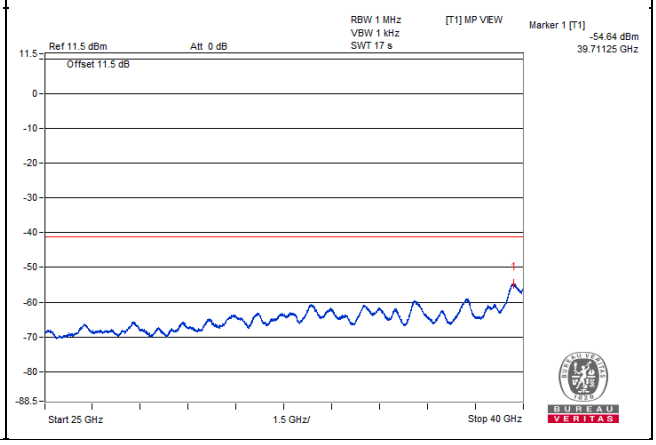

RBW 1 MHz
VBW 3 MHz
SWT 250 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 20 dB
Offset 11.5 dB
Marker 1 [T1]
1.45 dBm
5.76406 GHz
Marker 2 [T1]
-46.95 dBm
3.23281 GHz
Marker 3 [T1]
0.91 dBm
5.78281 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 3 MHz
SWT 230 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-44.65 dBm
21.69950 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz


RBW 1 MHz
VBW 3 MHz
SWT 300 ms
[T1] MP VIEW
Ref 21.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-42.75 dBm
39.74687 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

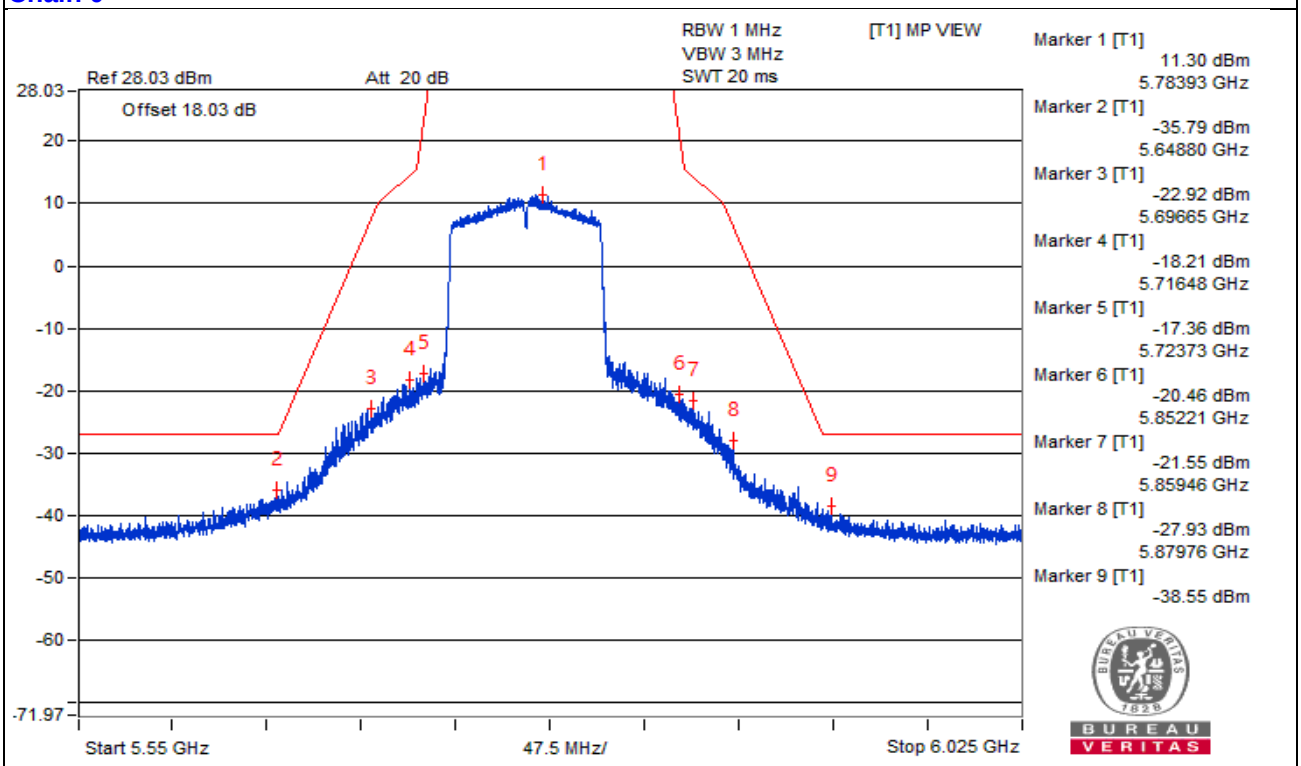

RBW 1 MHz
VBW 1 kHz
SWT 14.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-7.95 dBm
5.77656 GHz
Marker 2 [T1]
-64.50 dBm
4.62031 GHz
Marker 3 [T1]
-7.95 dBm
5.77656 GHz
Start 1 GHz
1.25 GHz/
Stop 13.5 GHz


RBW 1 MHz
VBW 1 kHz
SWT 13.5 s
[T1] MP VIEW
Ref 11.5 dBm
Att 10 dB
Offset 11.5 dB
Marker 1 [T1]
-56.73 dBm
21.64200 GHz
Start 13.5 GHz
1.15 GHz/
Stop 25 GHz

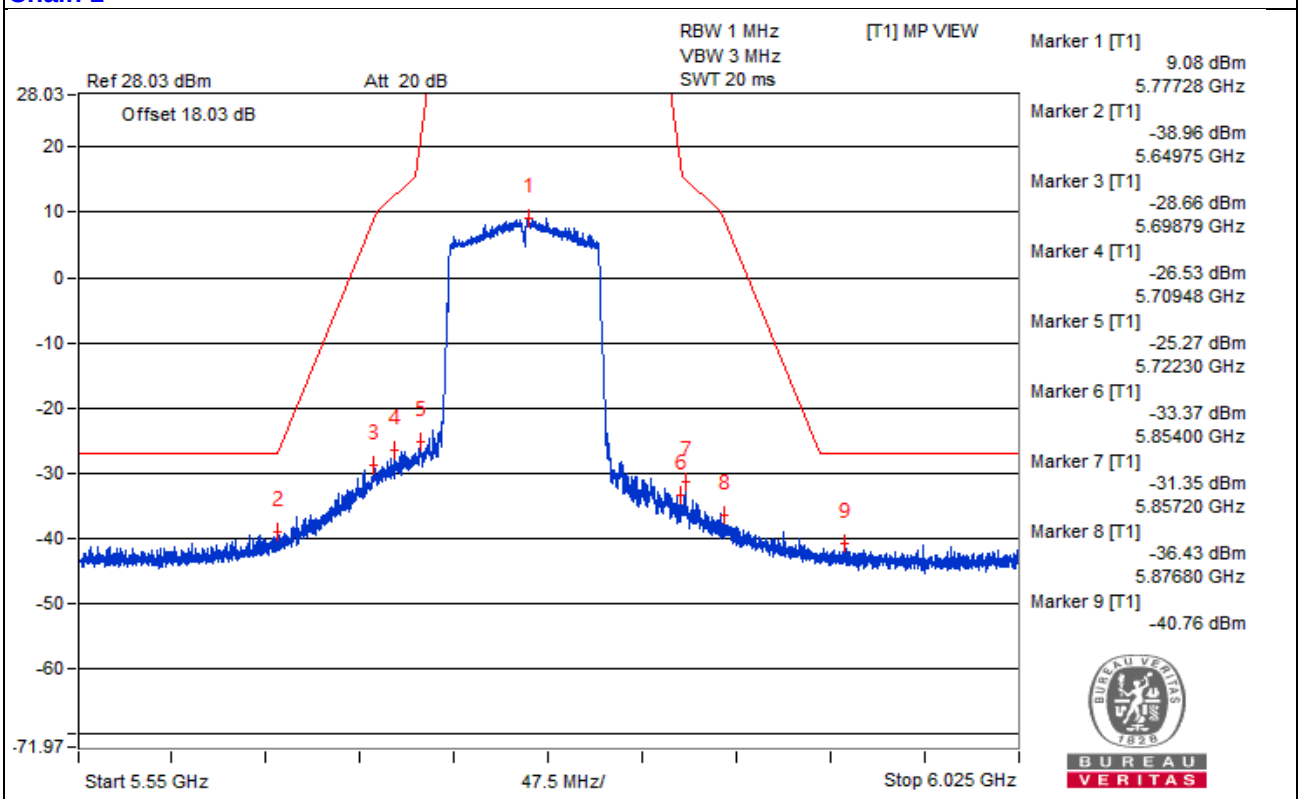

RBW 1 MHz
VBW 1 kHz
SWT 17 s
[T1] MP VIEW
Ref 11.5 dBm
Att 0 dB
Offset 11.5 dB
Marker 1 [T1]
-54.64 dBm
39.71125 GHz
Start 25 GHz
1.5 GHz/
Stop 40 GHz

Bandedge table

Chain 0



Chain 1



Note:
1. The offset including attenuator (10dB), cable loss (1.5 dB), antenna gain (3.52 dBi) and 10log2 (3.01dB).
2. The test results were EIRP.

Below 1GHz Data
802.11ac (VHT20) – Channel 48
Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	48.06	37.21	#		-64.71	6.66	-58.05
2	172.59	36.76	43.5	-6.74	-65.16	6.66	-58.5
3	232.6	38.08	#		-63.84	6.66	-57.18
4	995.15	36.76	54	-17.24	-65.16	6.66	-58.5

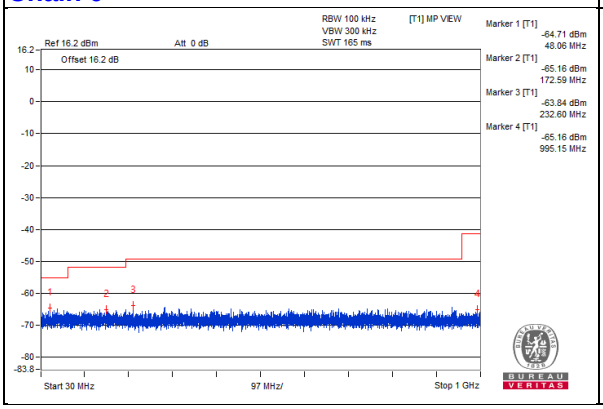
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. # : Non-restricted frequency, no limit for average emission.

Chain 1

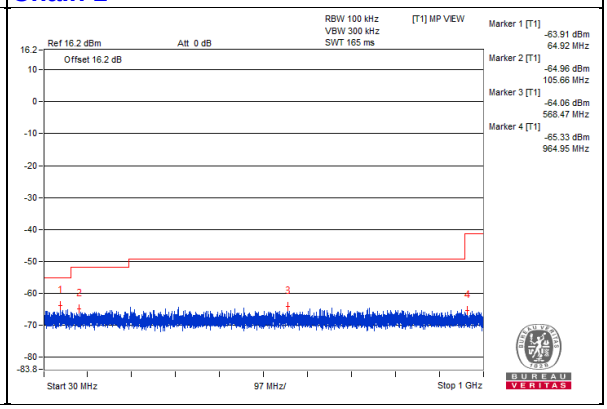
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	64.92	38.1	#		-63.91	6.75	-57.16
2	105.66	37.05	#		-64.96	6.75	-58.21
3	568.47	37.95	#		-64.06	6.75	-57.31
4	964.95	36.68	54	-17.32	-65.33	6.75	-58.58

Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. # : Non-restricted frequency, no limit for average emission.

Chain 0



Chain 1



802.11ac (VHT20) – Channel 60

Conducted spurious emission table

Chain 0

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	83.1	39.33	#		-62.59	6.66	-55.93
2	146.15	38.55	#		-63.37	6.66	-56.71
3	443.46	39.35	#		-62.57	6.66	-55.91
4	989.93	38.24	54	-15.76	-63.68	6.66	-57.02

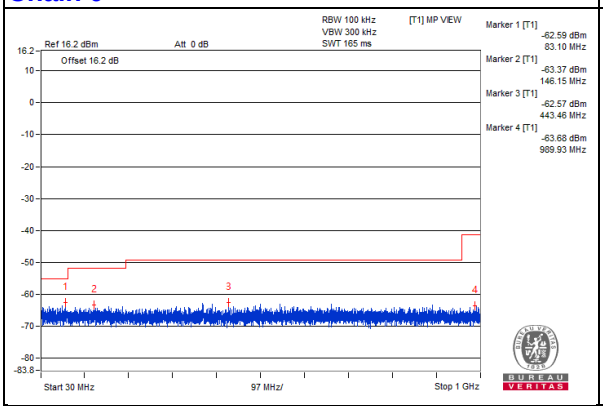
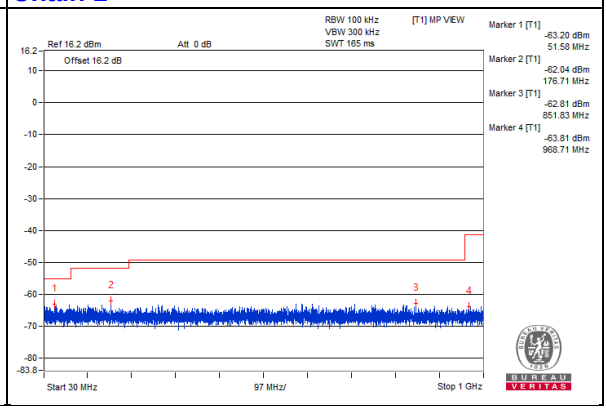
Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. # : Non-restricted frequency, no limit for average emission.

Chain 1

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	51.58	38.81	#		-63.2	6.75	-56.45
2	176.71	39.97	#		-62.04	6.75	-55.29
3	851.83	39.2	46	-6.8	-62.81	6.75	-56.06
4	968.71	38.2	54	-15.8	-63.81	6.75	-57.06

Note :
1. Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
   d = measurement distance in 3 meters.
2. Correction Factor(dB) = Antenna Gain (dBi) + 10 log (2 of TX antenna elements)
3. # : Non-restricted frequency, no limit for average emission.

Chain 0



Chain 1