

FCC Test Report

Report No.: RFBAOZ-WTW-P21060679-3

FCC ID: 2AHKM-ARIA3411

Test Model: ARIA3411

Series Model: OS3411

Received Date: 2021/6/22

Test Date: 2021/7/31 ~ 2021/10/18

Issued Date: 2021/11/30

Applicant: Hitron Technologies Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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**FCC Registration /
Designation Number:** 723255 / TW2022



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Release Control Record

Issue No.	Description	Date Issued
RFBAOZ-WTW-P21060679-3	Original release.	2021/11/30

1 Certificate of Conformity

Product: Tri-band WiFi Extender

Brand: hitron

Test Model: ARIA3411

Series Model: OS3411

Sample Status: Engineering sample

Applicant: Hitron Technologies Inc.

Test Date: 2021/7/31 ~ 2021/10/18

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 : Vivian Huang , **Date:** 2021/11/30
Vivian Huang / Specialist

Approved by : Clark Lin , **Date:** 2021/11/30
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)(8)	AC Power Conducted Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -12.91dB at 18.98828MHz.
15.407(b)(5)(8)	Radiated Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -1.6dB at 7131.50MHz.
15.407(b)(6)	In-Band Emission (Mask)	PASS	Meet the requirement of limit.
15.407(a)(4/5/6/7/8)	Max Average Transmit Power	PASS	Meet the requirement of limit.
15.407(a)(10)	Emission Bandwidth Measurement	PASS	Meet the requirement of limit.
15.407(a)(4/5/6/7/8)	Peak Power Spectral Density	PASS	Meet the requirement of limit.
15.407 (d)(6)	Contention-based Protocol.	PASS	Meet the requirement of limit.
15.407(g)	Frequency Stability	PASS	Meet the requirement of limit.
15.407(d)	Operational restrictions for 6 GHz U-NII devices	PASS	Declaration by applicant
15.203	Antenna Requirement	PASS	Antenna connector is ipex(MHF) not a standard connector.

Note:

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

2.1 Measurement Uncertainty

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

Measurement	Frequency	Expanded Uncertainty (k=2) (\pm)
Conducted Emissions at mains ports	150kHz ~ 30MHz	1.9 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.1 dB
	30MHz ~ 1GHz	5.5 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	5.1 dB
	18GHz ~ 40GHz	5.3 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Tri-band WiFi Extender
Brand	hitron
Test Model	ARIA3411
Series Model	OS3411
Status of EUT	Engineering sample
Power Supply Rating	12 Vdc from power adapter
Modulation Type	1024QAM for OFDMA in 11ax HE mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11ax: up to 4083.9 Mbps
Operating Frequency	6.115 ~ 6.415GHz, 6.435 ~ 6.525GHz, 6.525 ~ 6.875GHz, 6.875 ~ 7.095GHz
Number of Channel	802.11ax (HE20): 50 802.11ax (HE40): 25 802.11ax (HE80): 12 802.11ax (HE160): 6
Output Power	CDD Mode: 6.115 ~ 6.415GHz: 20.85 dBm (121.619 mW) EIRP 6.435 ~ 6.525GHz: 20.65 dBm (116.145 mW) EIRP 6.525 ~ 6.875GHz: 21.05 dBm (127.35 mW) EIRP 6.875 ~ 7.095GHz: 20.85 dBm (121.619 mW) EIRP Beamforming Mode: 6.115 ~ 6.415GHz: 19.45 dBm (88.105 mW) EIRP 6.435 ~ 6.525GHz: 18.95 dBm (78.524 mW) EIRP 6.525 ~ 6.875GHz: 19.55 dBm (90.157 mW) EIRP 6.875 ~ 7.095GHz: 18.85 dBm (76.736 mW) EIRP
EUT Category	Indoor Access Point + Subordinate Device
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	Adapter x1
Data Cable Supplied	Yellow RJ45 Cable for ARIA3411 (Unshielded, 1.5M) x 1 White RJ45 Cable for OS3411 (Unshielded, 1.5M) x 1

Note:

1. The EUT has two model names which are identical to each other in all aspects except for the followings:

Model Name	Difference
ARIA3411	with black housing
OS3411	with white housing

Note: From the above models, the radiated emission worst case was found in **model: ARIA3411**. Therefore only the test data of the mode was recorded in this report.

2. Simultaneously transmission condition.

Condition	Technology			
1	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth

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

3. The EUT has below radios as following table:

Radio 1	Radio 2	Radio 3	Radio 4
Bluetooth	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz

4. For radiated emissions, the EUT was pre-tested under the following table:

Test Mode	Description
Mode A	Yellow RJ45 Cable
Mode B	White RJ45 Cable

For the above modes, the worst radiated emissions was found in **Mode A**. Therefore only the test data of the modes were recorded in this report.

5. The antennas provided to the EUT, please refer to the following table:

Antenna NO.	Model	Antenna Net Gain(dBi)	Frequency range (GHz)	Antenna Type	Connector Type	Cable Length
1	RFPCA252525IMLB901	2.63	2.4~2.4835	printed PCB	ipex(MHF)	24cm
		4.02	5.15~5.85			
2	RFPCA282525IMLB901	2.6	2.4~2.4835	printed PCB	ipex(MHF)	24cm
		3.81	5.15~5.85			
3	RFPCA212009IMMB901	3.59	5.85~7.125	printed PCB	ipex(MHF)	10cm
4	RFPCA221508IMMB901	4.71	5.85~7.125	printed PCB	ipex(MHF)	7.5cm
5	RFPCA221514IMMB901	4.7	5.85~7.125	printed PCB	ipex(MHF)	13.5cm
6	RFPCA212009IMMB902	4.59	5.85~7.125	printed PCB	ipex(MHF)	8.5cm
7 (for BT)	RFPCA381007IMAB301	4.77	2.4~2.4835	printed PCB	ipex(MHF)	6.5cm

6. The EUT power needs to be supplied from a power adapter, the information is as below table:

Brand	Model No.	Spec.	Description
APD	WA-30P12FU	Input: 100-240 Vac, 0.9 A Max, 50-60 Hz Output: 12 Vdc, 2.5 A DC output cable (Unshielded, 1.5 m)	Black (for model: ARIA3411), White (for model: OS3411)

7. The EUT incorporates a MIMO function:

6GHz Band		
MODULATION MODE	TX & RX CONFIGURATION	
802.11ax (HE20)	4TX	4RX
802.11ax (HE40)	4TX	4RX
802.11ax (HE80)	4TX	4RX
802.11ax (HE160)	4TX	4RX

Note:

1. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.

8. 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.

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

3.2 Description of Test Modes

U-NII-5 (5925 ~ 6425MHz)

16 channels are provided for 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
33	6115 MHz	37	6135 MHz	41	6155 MHz	45	6175 MHz
49	6195 MHz	53	6215 MHz	57	6235 MHz	61	6255 MHz
65	6275 MHz	69	6295 MHz	73	6315 MHz	77	6335 MHz
81	6355 MHz	85	6375 MHz	89	6395 MHz	93	6415MHz

8 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
35	6125 MHz	43	6165 MHz	51	6205 MHz	59	6245 MHz
67	6285MHz	75	6325 MHz	83	6365 MHz	91	6405 MHz

4 channel is provided for 802.11ax (HE80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
39	6145 MHz	55	6225 MHz	71	6305 MHz	87	6385 MHz

2 channel is provided for 802.11ax (HE160):

Channel	Frequency	Channel	Frequency
47	6185 MHz	79	6345 MHz

U-NII-6 (6425 ~ 6525MHz)

5 channels are provided for 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
97	6435 MHz	101	6455 MHz	105	6475 MHz	109	6495 MHz
113	6515 MHz						

3 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency
99	6445 MHz	107	6485 MHz	*115	6525 MHz

1 channels is provided for 802.11ax (HE80):

Channel	Frequency
103	6465 MHz

1 channel is provided for 802.11ax (HE160):

Channel	Frequency
*111	6505 MHz

U-NII-7 (6525 ~ 6875MHz)

18 channels are provided for 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
117	6535 MHz	121	6555 MHz	125	6575 MHz	129	6595 MHz
133	6615 MHz	137	6635 MHz	141	6655 MHz	145	6675 MHz
149	6695 MHz	153	6715 MHz	157	6735 MHz	161	6755 MHz
165	6775 MHz	169	6795 MHz	173	6815 MHz	177	6835 MHz
181	6855 MHz	*185	6875 MHz				

8 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
123	6565 MHz	131	6605 MHz	139	6645 MHz	147	6685 MHz
155	6725 MHz	163	6765 MHz	171	6805 MHz	179	6845 MHz

5 channels are provided for 802.11ax (HE80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
*119	6545 MHz	135	6625 MHz	151	6705 MHz	167	6785 MHz
*183	6865 MHz						

2 channels are provided for 802.11ax (HE160):

Channel	Frequency	Channel	Frequency
143	6665 MHz	175	*6825 MHz

U-NII-8 (6875 ~ 7125MHz)

11 channels are provided for 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
189	6895 MHz	193	6915 MHz	197	6935 MHz	201	6955 MHz
205	6975 MHz	209	6995 MHz	213	7015 MHz	217	7035 MHz
221	7055 MHz	225	7075 MHz	229	7095 MHz		

6 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency
*187	6885 MHz	195	6925 MHz	203	6965 MHz
211	7005 MHz	219	7045 MHz	227	7085 MHz

2 channels is provided for 802.11ax (HE80):

Channel	Frequency	Channel	Frequency
199	6945 MHz	215	7025 MHz

1 channels are provided for 802.11ax (HE160):

Channel	Frequency
207	6985 MHz

Note: * mean this's straddle channel.

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable To						Description
	RE \geq 1G	RE<1G	IBE	PLC	CBP	APCM	
-	√	√	√	√	√	√	-

Where **RE \geq 1G**: Radiated Emission above 1GHz
RE<1G: Radiated Emission below 1GHz
PLC: Power Line Conducted Emission
APCM: Antenna Port Conducted Measurement
IBE: In-Band Emission (MASK)
CBP:Contention Based Protocol

Radiated Emission Measurement (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.

CDD Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter
802.11ax (HE20)	5925-6425	33 to 93	33, 61, 93	OFDMA	BPSK	MCS0
	6425-6525	97 to 113	97, 105, 113	OFDMA	BPSK	MCS0
	6525-6875	117 to 185	117, 153, 181, 185	OFDMA	BPSK	MCS0
	6875-7125	185 to 229	213, 229	OFDMA	BPSK	MCS0
802.11ax (HE40)	5925-6425	35 to 91	35, 59, 91	OFDMA	BPSK	MCS0
	6425-6525	99 to 115	99, 107, 115	OFDMA	BPSK	MCS0
	6525-6875	115 to 179	123, 155, 179	OFDMA	BPSK	MCS0
	6875-7125	187 to 227	187, 211, 227	OFDMA	BPSK	MCS0
802.11ax (HE80)	5925-6425	39 to 87	39, 55, 87	OFDMA	BPSK	MCS0
	6425-6525	103	103	OFDMA	BPSK	MCS0
	6525-6875	119 to 183	119, 135, 151, 167, 183	OFDMA	BPSK	MCS0
	6875-7125	199 to 215	199, 215	OFDMA	BPSK	MCS0
802.11ax (HE160)	5925-6425	47 to 79	47, 79	OFDMA	BPSK	MCS0
	6425-6525	111	111	OFDMA	BPSK	MCS0
	6525-6875	143 to 175	143, 175	OFDMA	BPSK	MCS0
	6875-7125	207	207	OFDMA	BPSK	MCS0

Radiated Emission Measurement (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.

CDD Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter
802.11ax (HE160)	5925-6425	47 to 79	111	OFDMA	BPSK	MCS0
	6425-6525	111				
	6525-6875	143 to 175				
	6875-7125	207				

In-Band Emission (MASK) Measurement:

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

CDD Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter
802.11ax (HE20)	5925-6425	33 to 93	33, 61, 93	OFDMA	BPSK	MCS0
	6425-6525	97 to 113	97, 105, 113	OFDMA	BPSK	MCS0
	6525-6875	117 to 185	117, 153, 181, 185	OFDMA	BPSK	MCS0
	6875-7125	185 to 229	213, 229	OFDMA	BPSK	MCS0
802.11ax (HE40)	5925-6425	35 to 91	35, 59, 91	OFDMA	BPSK	MCS0
	6425-6525	99 to 115	99, 107, 115	OFDMA	BPSK	MCS0
	6525-6875	115 to 179	123, 155, 179	OFDMA	BPSK	MCS0
	6875-7125	187 to 227	187, 211, 227	OFDMA	BPSK	MCS0
802.11ax (HE80)	5925-6425	39 to 87	39, 55, 87	OFDMA	BPSK	MCS0
	6425-6525	103	103	OFDMA	BPSK	MCS0
	6525-6875	119 to 183	119, 135, 151, 167, 183	OFDMA	BPSK	MCS0
	6875-7125	199 to 215	199, 215	OFDMA	BPSK	MCS0
802.11ax (HE160)	5925-6425	47 to 79	47, 79	OFDMA	BPSK	MCS0
	6425-6525	111	111	OFDMA	BPSK	MCS0
	6525-6875	143 to 175	143, 175	OFDMA	BPSK	MCS0
	6875-7125	207	207	OFDMA	BPSK	MCS0

Power Line Conducted Emission Measurement:

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

CDD Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter
802.11ax (HE160)	5925-6425	47 to 79	111	OFDMA	BPSK	MCS0
	6425-6525	111				
	6525-6875	143 to 175				
	6875-7125	207				

Contention Based Protocol Measurement:

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

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter
802.11ax (HE20)	5925-6425	33 to 93	45	OFDMA	BPSK	MCS0
	6425-6525	97 to 113	97	OFDMA	BPSK	MCS0
	6525-6875	117 to 185	149	OFDMA	BPSK	MCS0
	6875-7125	185 to 229	209	OFDMA	BPSK	MCS0
802.11ax (HE160)	5925-6425	47 to 79	47	OFDMA	BPSK	MCS0
	6425-6525	111	111	OFDMA	BPSK	MCS0
	6525-6875	143 to 175	143	OFDMA	BPSK	MCS0
	6875-7125	207	207	OFDMA	BPSK	MCS0

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.

CDD / Beamforming Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate Parameter
802.11ax (HE20)	5925-6425	33 to 93	33, 61, 93	OFDMA	BPSK	MCS0
	6425-6525	97 to 113	97, 105, 113	OFDMA	BPSK	MCS0
	6525-6875	113 to 185	117, 153, 181, 185	OFDMA	BPSK	MCS0
	6875-7125	185 to 229	213, 229	OFDMA	BPSK	MCS0
802.11ax (HE40)	5925-6425	35 to 91	35, 59, 91	OFDMA	BPSK	MCS0
	6425-6525	99 to 115	99, 107, 115	OFDMA	BPSK	MCS0
	6525-6875	115 to 179	123, 155, 179	OFDMA	BPSK	MCS0
	6875-7125	187 to 227	187, 211, 227	OFDMA	BPSK	MCS0
802.11ax (HE80)	5925-6425	39 to 87	39, 55, 87	OFDMA	BPSK	MCS0
	6425-6525	103	103	OFDMA	BPSK	MCS0
	6525-6875	119 to 183	119, 135, 151, 167, 183	OFDMA	BPSK	MCS0
	6875-7125	199 to 215	199, 215	OFDMA	BPSK	MCS0
802.11ax (HE160)	5925-6425	47 to 79	47, 79	OFDMA	BPSK	MCS0
	6425-6525	111	111	OFDMA	BPSK	MCS0
	6525-6875	143 to 175	143, 175	OFDMA	BPSK	MCS0
	6875-7125	207	207	OFDMA	BPSK	MCS0

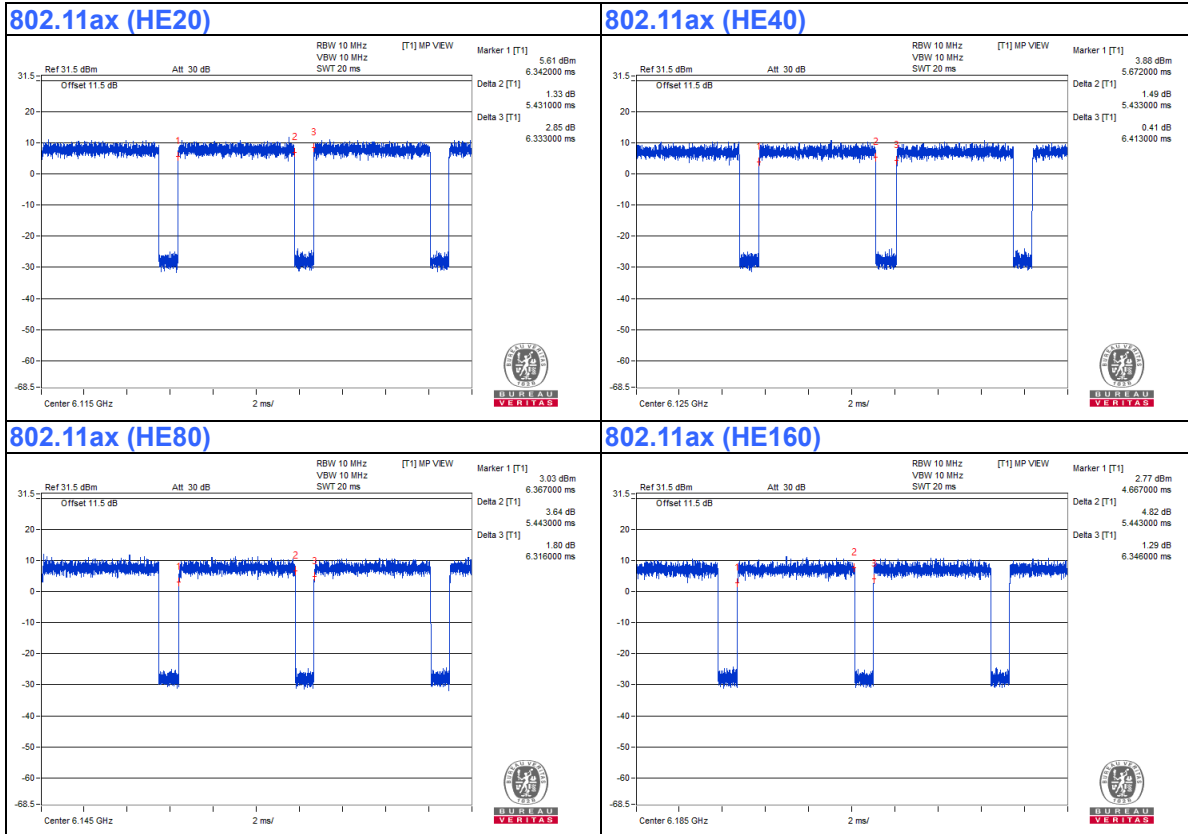
Test Condition:

Applicable To	Environmental Conditions	Input Power	Tested By
RE \geq 1G	25deg. C, 71%RH	120Vac, 60Hz	Sampson Chen
RE $<$ 1G	25deg. C, 70%RH	120Vac, 60Hz	Sampson Chen
PLC	29deg. C, 66%RH	120Vac, 60Hz	Sampson Chen
CBP	25deg. C, 60%RH	120Vac, 60Hz	Leon Dai
APCM	25deg. C, 60%RH	120Vac, 60Hz	Leon Dai

3.3 Duty Cycle of Test Signal

Duty cycle of test signal is < 98 %, duty factor is required

- 802.11ax (HE20):** Duty cycle = 5.431 ms/6.333 ms= 0.858, Duty factor = $10 * \log(1/ \text{Duty cycle}) = 0.67 \text{ dB}$
- 802.11ax (HE40):** Duty cycle = 5.433 ms/6.413 ms= 0.72, Duty factor = $10 * \log(1/ \text{Duty cycle}) = 0.72 \text{ dB}$
- 802.11ax (HE80):** Duty cycle = 5.443 ms/6.316 ms= 0.862, Duty factor = $10 * \log(1/ \text{Duty cycle}) = 0.65 \text{ dB}$
- 802.11ax (HE160):** Duty cycle = 5.443 ms/6.346 ms= 0.858, Duty factor = $10 * \log(1/ \text{Duty cycle}) = 0.67 \text{ dB}$



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.

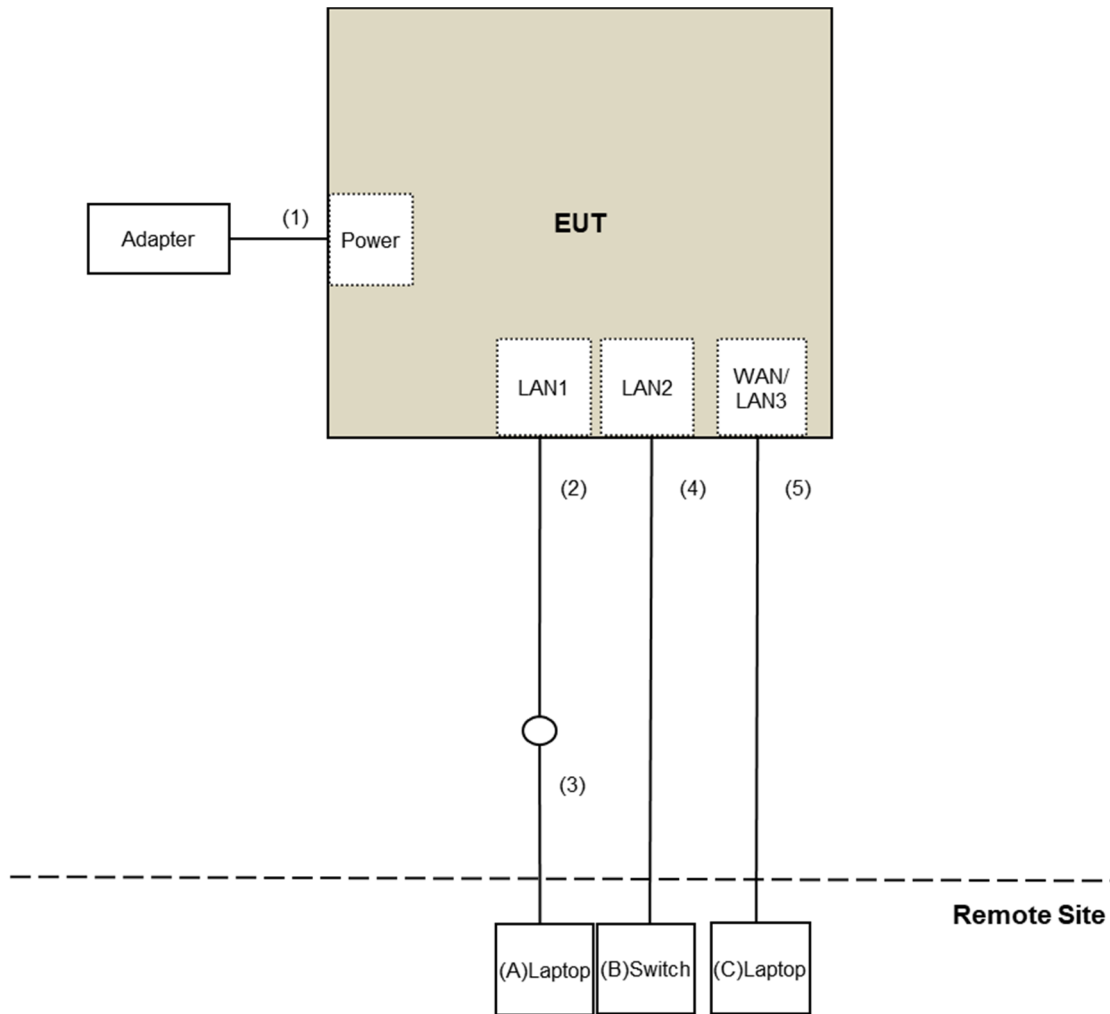
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Laptop	Lenovo	20U5S01X00 L14	PF-1ANPYA	N/A	Provided by Lab
B.	Switch	D-Link	DGS-1005D	DR8WC92000523	NA	Provided by Lab
C.	Laptop	Lenovo	20U5S01X00 L14	PF-28LKK7	N/A	Provided by Lab

Note:

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

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC Cable	1	1.5	No	0	Supplied by client
2.	RJ-45 Cable	1	1.5	No	0	Supplied by client
3.	RJ-45 Cable	1	10	No	0	Provided by Lab
4.	RJ-45 Cable	1	10	No	0	Provided by Lab
5.	RJ-45 Cable	1	10	No	0	Provided by Lab

3.4.1 Configuration of System under Test



3.5 General Description of Applied Standard

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 987594 D02 EMC Measurement v01r01

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

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

Frequencies (MHz)	EIRP Limit	Equivalent Field Strength at 3m
5925MHz > F > 7125MHz	Peak:-7 (dBm/MHz)	88.2(dBμV/m)
	Average: -27 (dBm/MHz)	68.2(dBμV/m)

Note:

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

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

4.1.2 Test Instruments

For Radiated emission & Bandedge & Max Average Transmit Power & Power Spectral Density test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY51210202	2020/12/1	2021/11/30
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	NA	NA
Pre_Amplifier EMCI	EMC001340	980142	2021/5/24	2022/5/23
LOOP ANTENNA Electro-Metrics	EM-6879	264	2021/3/5	2022/3/4
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-001	2021/1/7	2022/1/6
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-002	2021/1/7	2022/1/6
Pre_Amplifier EMCI	EMC330N	980701	2021/3/10	2022/3/9
Trilog Broadband Antenna Schwarzbeck	VULB 9168	9168-406	2020/11/6	2021/11/5
RF Coaxial Cable COMMATE/PEWC	8D	966-4-1	2021/3/17	2022/3/16
RF Coaxial Cable COMMATE/PEWC	8D	966-4-2	2021/3/17	2022/3/16
RF Coaxial Cable COMMATE/PEWC	8D	966-4-3	2021/3/17	2022/3/16
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	2021/1/11	2022/1/10
Horn Antenna SCHWARZBECK	BBHA 9120D	9120D-783	2020/11/22	2021/11/21
Pre_Amplifier EMCI	EMC 12630 SE	980638	2021/4/7	2022/4/6
RF Cable-Frequency Range : 1-26.5GHz EMCI	EMC104-SM-SM-1200	160922	2020/12/25	2021/12/24
RF Coaxial Cable EMCI	EMC104-SM-SM-2000	180502	2021/4/26	2022/4/25
RF Coaxial Cable EMCI	EMC104-SM-SM-6000	180418	2021/4/26	2022/4/25
Pre_Amplifier EMCI	EMC184045SE	980387	2021/1/11	2022/1/10
Horn Antenna Schwarzbeck	BBHA 9170	BBHA9170519	2020/11/22	2021/11/21
RF Cable-Frequency range: 1-40GHz EMCI	EMC102-KM-KM-1200	160924	2021/1/11	2022/1/10
RF cable (40GHz) EMCI	EMC-KM-KM-4000	200214	2021/3/10	2022/3/9

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 4.
3. Tested Date: 2021/7/31 ~ 2021/9/14

For other test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	101516	2021/3/8	2022/3/7
Power Meter Anritsu	ML2495A	1529002	2021/6/21	2022/6/20
Pulse Power Sensor Anritsu	MA2411B	1339443	2021/5/31	2022/5/30
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2021/4/13	2022/4/12
Software	ADT_RF Test Software V6.6.5.4	NA	NA	NA
AC Power Source GOOD WILL	6905S	1991551	NA	NA
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2021/1/14	2022/1/13
True RMS Clamp Meter Fluke	325	31130711WS	2021/6/2	2022/6/1

- 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: 2021/9/28

4.1.3 Test Procedure

For Radiated emission below 30MHz

- a. 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.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. 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. 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.

For Radiated emission above 30MHz

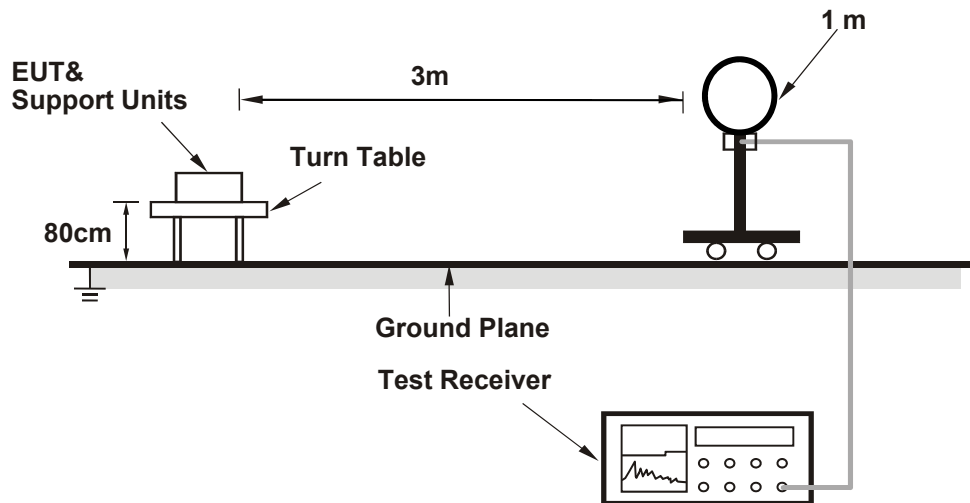
- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak 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 RMS detector is unnecessary.

Note:

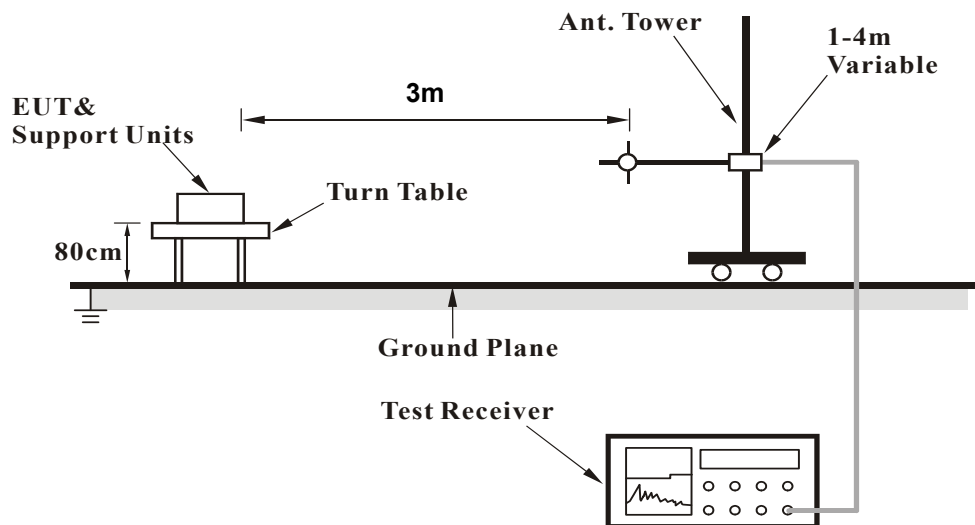
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The detection is peak and the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average measurement (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Test Setup

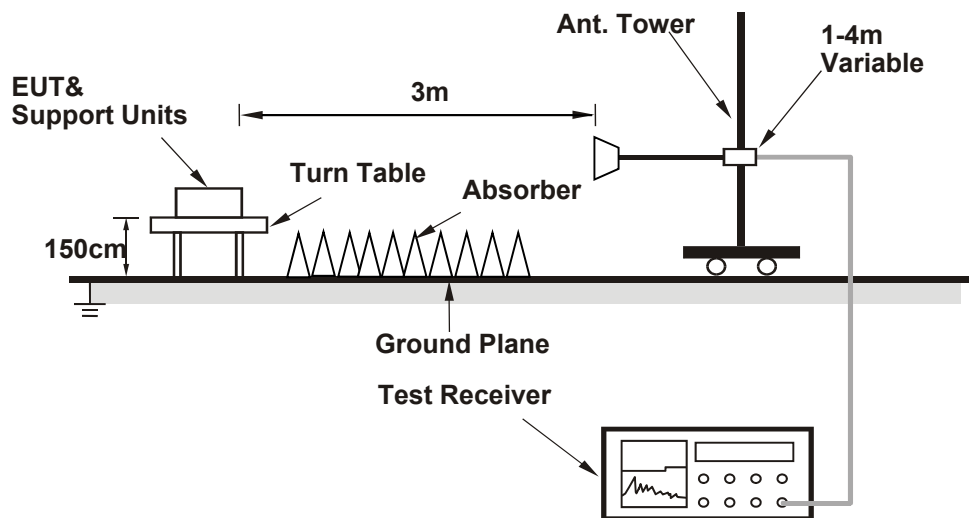
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



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

4.1.5 EUT Operating Condition

- a. Connected the EUT with the Laptop which is placed on the testing table.
- b. Controlling software (qdart_conn.win.1.0_installer_00076.1) has been activated to set the EUT under transmission condition continuously.

4.1.6 Test Results

Above 1GHz Data:

CDD Mode

RF Mode	TX 802.11ax (HE20)	Channel	CH 33 : 6115 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	49.1 PK	88.2	-39.1	1.60 H	308	47.3	1.8
2	#5925.00	36.9 AV	68.2	-31.3	1.60 H	308	35.1	1.8
3	*6115.00	116.5 PK			1.60 H	308	114.3	2.2
4	*6115.00	106.0 AV			1.60 H	308	103.8	2.2
5	12230.00	52.8 PK	74.0	-21.2	1.40 H	34	42.0	10.8
6	12230.00	41.0 AV	54.0	-13.0	1.40 H	34	30.2	10.8
7	18345.00	42.2 PK	74.0	-31.8	1.77 H	77	48.8	-6.6
8	18345.00	33.7 AV	54.0	-20.3	1.77 H	77	40.3	-6.6
9	#24460.00	45.2 PK	88.2	-43.0	2.27 H	149	47.6	-2.4
10	#24460.00	36.1 AV	68.2	-32.1	2.27 H	149	38.5	-2.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	48.6 PK	88.2	-39.6	2.17 V	185	46.8	1.8
2	#5925.00	37.0 AV	68.2	-31.2	2.17 V	185	35.2	1.8
3	*6115.00	122.8 PK			2.17 V	185	120.6	2.2
4	*6115.00	112.2 AV			2.17 V	185	110.0	2.2
5	12230.00	51.4 PK	74.0	-22.6	1.64 V	257	40.6	10.8
6	12230.00	39.4 AV	54.0	-14.6	1.64 V	257	28.6	10.8
7	18345.00	42.7 PK	74.0	-31.3	1.52 V	233	49.3	-6.6
8	18345.00	34.3 AV	54.0	-19.7	1.52 V	233	40.9	-6.6
9	#24460.00	46.7 PK	88.2	-41.5	1.73 V	198	49.1	-2.4
10	#24460.00	37.9 AV	68.2	-30.3	1.73 V	198	40.3	-2.4

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 61 : 6255 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6255.00	116.9 PK			1.64 H	321	114.2	2.7
2	*6255.00	106.5 AV			1.64 H	321	103.8	2.7
3	12510.00	53.0 PK	74.0	-21.0	1.40 H	23	42.9	10.1
4	12510.00	41.3 AV	54.0	-12.7	1.40 H	23	31.2	10.1
5	18765.00	42.0 PK	74.0	-32.0	1.76 H	83	48.7	-6.7
6	18765.00	33.3 AV	54.0	-20.7	1.76 H	83	40.0	-6.7
7	#25020.00	45.4 PK	88.2	-42.8	2.25 H	163	47.5	-2.1
8	#25020.00	36.5 AV	68.2	-31.7	2.25 H	163	38.6	-2.1

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6255.00	122.3 PK			2.16 V	180	119.6	2.7
2	*6255.00	111.9 AV			2.16 V	180	109.2	2.7
3	12510.00	51.1 PK	74.0	-22.9	1.67 V	262	41.0	10.1
4	12510.00	39.3 AV	54.0	-14.7	1.67 V	262	29.2	10.1
5	18765.00	43.1 PK	74.0	-30.9	1.42 V	238	49.8	-6.7
6	18765.00	34.5 AV	54.0	-19.5	1.42 V	238	41.2	-6.7
7	#25020.00	46.7 PK	88.2	-41.5	1.73 V	186	48.8	-2.1
8	#25020.00	37.9 AV	68.2	-30.3	1.73 V	186	40.0	-2.1

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 93 : 6415 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6415.00	116.3 PK			1.54 H	298	113.1	3.2
2	*6415.00	106.1 AV			1.54 H	298	102.9	3.2
3	#12830.00	53.0 PK	88.2	-35.2	1.45 H	46	42.2	10.8
4	#12830.00	41.4 AV	68.2	-26.8	1.45 H	46	30.6	10.8
5	19245.00	42.6 PK	74.0	-31.4	1.81 H	87	49.2	-6.6
6	19245.00	33.8 AV	54.0	-20.2	1.81 H	87	40.4	-6.6
7	#25660.00	45.4 PK	88.2	-42.8	2.24 H	135	46.7	-1.3
8	#25660.00	36.4 AV	68.2	-31.8	2.24 H	135	37.7	-1.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6415.00	122.6 PK			2.17 V	197	119.4	3.2
2	*6415.00	112.2 AV			2.17 V	197	109.0	3.2
3	#12830.00	51.6 PK	88.2	-36.6	1.61 V	285	40.8	10.8
4	#12830.00	39.7 AV	68.2	-28.5	1.61 V	285	28.9	10.8
5	19245.00	42.3 PK	74.0	-31.7	1.46 V	237	48.9	-6.6
6	19245.00	33.8 AV	54.0	-20.2	1.46 V	237	40.4	-6.6
7	#25660.00	46.0 PK	88.2	-42.2	1.73 V	181	47.3	-1.3
8	#25660.00	37.3 AV	68.2	-30.9	1.73 V	181	38.6	-1.3

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 97 : 6435 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6435.00	116.6 PK			1.58 H	316	113.3	3.3
2	*6435.00	106.2 AV			1.58 H	316	102.9	3.3
3	#12870.00	52.7 PK	88.2	-35.5	1.45 H	22	42.0	10.7
4	#12870.00	40.6 AV	68.2	-27.6	1.45 H	22	29.9	10.7
5	19305.00	42.1 PK	74.0	-31.9	1.82 H	80	48.6	-6.5
6	19305.00	33.4 AV	54.0	-20.6	1.82 H	80	39.9	-6.5
7	#25740.00	45.4 PK	88.2	-42.8	2.30 H	163	46.7	-1.3
8	#25740.00	36.2 AV	68.2	-32.0	2.30 H	163	37.5	-1.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6435.00	123.1 PK			2.23 V	196	119.8	3.3
2	*6435.00	112.5 AV			2.23 V	196	109.2	3.3
3	#12870.00	50.8 PK	88.2	-37.4	1.62 V	259	40.1	10.7
4	#12870.00	38.9 AV	68.2	-29.3	1.62 V	259	28.2	10.7
5	19305.00	43.1 PK	74.0	-30.9	1.42 V	233	49.6	-6.5
6	19305.00	34.5 AV	54.0	-19.5	1.42 V	233	41.0	-6.5
7	#25740.00	46.3 PK	88.2	-41.9	1.74 V	173	47.6	-1.3
8	#25740.00	37.4 AV	68.2	-30.8	1.74 V	173	38.7	-1.3

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 105 : 6475 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6475.00	116.7 PK			1.57 H	312	113.3	3.4
2	*6475.00	106.2 AV			1.57 H	312	102.8	3.4
3	#12950.00	52.8 PK	88.2	-35.4	1.41 H	38	42.1	10.7
4	#12950.00	40.8 AV	68.2	-27.4	1.41 H	38	30.1	10.7
5	19425.00	42.1 PK	74.0	-31.9	1.77 H	62	48.3	-6.2
6	19425.00	33.5 AV	54.0	-20.5	1.77 H	62	39.7	-6.2
7	#25900.00	45.7 PK	88.2	-42.5	2.28 H	154	46.9	-1.2
8	#25900.00	36.5 AV	68.2	-31.7	2.28 H	154	37.7	-1.2

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6475.00	123.5 PK			2.13 V	188	120.1	3.4
2	*6475.00	112.7 AV			2.13 V	188	109.3	3.4
3	#12950.00	52.1 PK	88.2	-36.1	1.61 V	287	41.4	10.7
4	#12950.00	39.8 AV	68.2	-28.4	1.61 V	287	29.1	10.7
5	19425.00	42.8 PK	74.0	-31.2	1.47 V	225	49.0	-6.2
6	19425.00	34.6 AV	54.0	-19.4	1.47 V	225	40.8	-6.2
7	#25900.00	46.6 PK	88.2	-41.6	1.77 V	181	47.8	-1.2
8	#25900.00	37.6 AV	68.2	-30.6	1.77 V	181	38.8	-1.2

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 113 : 6515 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6515.00	116.6 PK			1.55 H	313	112.9	3.7
2	*6515.00	106.1 AV			1.55 H	313	102.4	3.7
3	#13030.00	52.4 PK	88.2	-35.8	1.44 H	9	41.4	11.0
4	#13030.00	40.9 AV	68.2	-27.3	1.44 H	9	29.9	11.0
5	19545.00	41.8 PK	74.0	-32.2	1.80 H	67	48.0	-6.2
6	19545.00	33.4 AV	54.0	-20.6	1.80 H	67	39.6	-6.2
7	#26060.00	45.2 PK	88.2	-43.0	2.23 H	146	46.2	-1.0
8	#26060.00	36.3 AV	68.2	-31.9	2.23 H	146	37.3	-1.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6515.00	122.6 PK			2.19 V	187	118.9	3.7
2	*6515.00	112.1 AV			2.19 V	187	108.4	3.7
3	#13030.00	51.5 PK	88.2	-36.7	1.63 V	273	40.5	11.0
4	#13030.00	39.4 AV	68.2	-28.8	1.63 V	273	28.4	11.0
5	19545.00	42.7 PK	74.0	-31.3	1.47 V	227	48.9	-6.2
6	19545.00	34.2 AV	54.0	-19.8	1.47 V	227	40.4	-6.2
7	#26060.00	46.4 PK	88.2	-41.8	1.74 V	189	47.4	-1.0
8	#26060.00	37.4 AV	68.2	-30.8	1.74 V	189	38.4	-1.0

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 117 : 6535 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6535.00	116.4 PK			1.66 H	317	112.5	3.9
2	*6535.00	106.0 AV			1.66 H	317	102.1	3.9
3	#13070.00	52.1 PK	88.2	-36.1	1.37 H	25	41.0	11.1
4	#13070.00	40.6 AV	68.2	-27.6	1.37 H	25	29.5	11.1
5	19605.00	42.0 PK	74.0	-32.0	1.72 H	79	48.2	-6.2
6	19605.00	33.8 AV	54.0	-20.2	1.72 H	79	40.0	-6.2
7	#26140.00	45.5 PK	88.2	-42.7	2.30 H	165	46.5	-1.0
8	#26140.00	36.6 AV	68.2	-31.6	2.30 H	165	37.6	-1.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6535.00	122.4 PK			2.13 V	182	118.5	3.9
2	*6535.00	111.8 AV			2.13 V	182	107.9	3.9
3	#13070.00	52.1 PK	88.2	-36.1	1.67 V	279	41.0	11.1
4	#13070.00	39.7 AV	68.2	-28.5	1.67 V	279	28.6	11.1
5	19605.00	42.8 PK	74.0	-31.2	1.42 V	215	49.0	-6.2
6	19605.00	34.0 AV	54.0	-20.0	1.42 V	215	40.2	-6.2
7	#26140.00	46.2 PK	88.2	-42.0	1.70 V	177	47.2	-1.0
8	#26140.00	37.0 AV	68.2	-31.2	1.70 V	177	38.0	-1.0

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 153 : 6715 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6715.00	116.5 PK			1.56 H	292	112.4	4.1
2	*6715.00	106.1 AV			1.56 H	292	102.0	4.1
3	#13430.00	53.2 PK	88.2	-35.0	1.46 H	20	40.7	12.5
4	#13430.00	41.5 AV	68.2	-26.7	1.46 H	20	29.0	12.5
5	20145.00	42.4 PK	74.0	-31.6	1.72 H	72	47.9	-5.5
6	20145.00	33.7 AV	54.0	-20.3	1.72 H	72	39.2	-5.5
7	#26860.00	45.4 PK	88.2	-42.8	2.24 H	134	46.3	-0.9
8	#26860.00	36.1 AV	68.2	-32.1	2.24 H	134	37.0	-0.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6715.00	122.3 PK			2.15 V	200	118.2	4.1
2	*6715.00	111.7 AV			2.15 V	200	107.6	4.1
3	#13430.00	51.0 PK	88.2	-37.2	1.65 V	274	38.5	12.5
4	#13430.00	38.9 AV	68.2	-29.3	1.65 V	274	26.4	12.5
5	20145.00	42.8 PK	74.0	-31.2	1.43 V	226	48.3	-5.5
6	20145.00	34.4 AV	54.0	-19.6	1.43 V	226	39.9	-5.5
7	#26860.00	46.6 PK	88.2	-41.6	1.72 V	182	47.5	-0.9
8	#26860.00	37.4 AV	68.2	-30.8	1.72 V	182	38.3	-0.9

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 181 : 6855 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6855.00	116.6 PK			1.55 H	301	112.1	4.5
2	*6855.00	106.1 AV			1.55 H	301	101.6	4.5
3	#13710.00	52.1 PK	88.2	-36.1	1.44 H	31	39.0	13.1
4	#13710.00	40.6 AV	68.2	-27.6	1.44 H	31	27.5	13.1
5	20565.00	42.1 PK	74.0	-31.9	1.71 H	76	47.2	-5.1
6	20565.00	33.7 AV	54.0	-20.3	1.71 H	76	38.8	-5.1
7	#27420.00	45.2 PK	88.2	-43.0	2.30 H	160	46.7	-1.5
8	#27420.00	35.9 AV	68.2	-32.3	2.30 H	160	37.4	-1.5

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6855.00	122.2 PK			2.18 V	173	117.7	4.5
2	*6855.00	111.8 AV			2.18 V	173	107.3	4.5
3	#13710.00	51.4 PK	88.2	-36.8	1.67 V	261	38.3	13.1
4	#13710.00	39.2 AV	68.2	-29.0	1.67 V	261	26.1	13.1
5	20565.00	43.2 PK	74.0	-30.8	1.43 V	235	48.3	-5.1
6	20565.00	34.6 AV	54.0	-19.4	1.43 V	235	39.7	-5.1
7	#27420.00	46.2 PK	88.2	-42.0	1.75 V	193	47.7	-1.5
8	#27420.00	37.2 AV	68.2	-31.0	1.75 V	193	38.7	-1.5

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 185 : 6875 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6875.00	116.7 PK			1.59 H	322	112.0	4.7
2	*6875.00	106.0 AV			1.59 H	322	101.3	4.7
3	#13750.00	53.0 PK	88.2	-35.2	1.41 H	45	39.7	13.3
4	#13750.00	41.2 AV	68.2	-27.0	1.41 H	45	27.9	13.3
5	20625.00	41.7 PK	74.0	-32.3	1.83 H	73	46.6	-4.9
6	20625.00	33.3 AV	54.0	-20.7	1.83 H	73	38.2	-4.9
7	#27500.00	45.1 PK	88.2	-43.1	2.23 H	142	46.5	-1.4
8	#27500.00	36.2 AV	68.2	-32.0	2.23 H	142	37.6	-1.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6875.00	122.4 PK			2.12 V	192	117.7	4.7
2	*6875.00	112.0 AV			2.12 V	192	107.3	4.7
3	#13750.00	51.4 PK	88.2	-36.8	1.68 V	261	38.1	13.3
4	#13750.00	39.5 AV	68.2	-28.7	1.68 V	261	26.2	13.3
5	20625.00	42.6 PK	74.0	-31.4	1.43 V	233	47.5	-4.9
6	20625.00	34.3 AV	54.0	-19.7	1.43 V	233	39.2	-4.9
7	#27500.00	46.7 PK	88.2	-41.5	1.73 V	181	48.1	-1.4
8	#27500.00	37.9 AV	68.2	-30.3	1.73 V	181	39.3	-1.4

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. " * " : Fundamental frequency.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE20)	Channel	CH 213 : 7015 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7015.00	115.8 PK			1.54 H	294	110.1	5.7
2	*7015.00	105.5 AV			1.54 H	294	99.8	5.7
3	#14030.00	53.4 PK	88.2	-34.8	1.43 H	29	39.9	13.5
4	#14030.00	41.4 AV	68.2	-26.8	1.43 H	29	27.9	13.5
5	21045.00	42.2 PK	74.0	-31.8	1.78 H	86	46.7	-4.5
6	21045.00	33.9 AV	54.0	-20.1	1.78 H	86	38.4	-4.5
7	#28060.00	45.0 PK	88.2	-43.2	2.22 H	154	46.8	-1.8
8	#28060.00	36.0 AV	68.2	-32.2	2.22 H	154	37.8	-1.8

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7015.00	122.5 PK			2.15 V	199	116.8	5.7
2	*7015.00	112.1 AV			2.15 V	199	106.4	5.7
3	#14030.00	51.2 PK	88.2	-37.0	1.66 V	263	37.7	13.5
4	#14030.00	39.4 AV	68.2	-28.8	1.66 V	263	25.9	13.5
5	21045.00	42.8 PK	74.0	-31.2	1.46 V	233	47.3	-4.5
6	21045.00	34.4 AV	54.0	-19.6	1.46 V	233	38.9	-4.5
7	#28060.00	47.0 PK	88.2	-41.2	1.79 V	193	48.8	-1.8
8	#28060.00	37.8 AV	68.2	-30.4	1.79 V	193	39.6	-1.8

Remarks:

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

RF Mode	TX 802.11ax (HE20)	Channel	CH 229 : 7095 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7095.00	116.3 PK			1.58 H	104	110.3	6.0
2	*7095.00	106.1 AV			1.58 H	104	100.1	6.0
3	#7125.00	68.0 PK	88.2	-20.2	1.58 H	104	61.7	6.3
4	#7125.00	51.2 AV	68.2	-17.0	1.58 H	104	44.9	6.3
5	#14190.00	52.7 PK	88.2	-35.5	1.37 H	48	38.3	14.4
6	#14190.00	40.8 AV	68.2	-27.4	1.37 H	48	26.4	14.4
7	21285.00	42.1 PK	74.0	-31.9	1.74 H	73	46.3	-4.2
8	21285.00	33.7 AV	54.0	-20.3	1.74 H	73	37.9	-4.2
9	#28380.00	45.2 PK	88.2	-43.0	2.27 H	137	46.9	-1.7
10	#28380.00	36.2 AV	68.2	-32.0	2.27 H	137	37.9	-1.7

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7095.00	123.4 PK			1.96 V	183	117.4	6.0
2	*7095.00	112.8 AV			1.96 V	183	106.8	6.0
3	#7125.00	68.3 PK	88.2	-19.9	1.96 V	183	62.0	6.3
4	#7125.00	54.1 AV	68.2	-14.1	1.96 V	183	47.8	6.3
5	#14190.00	51.4 PK	88.2	-36.8	1.62 V	282	37.0	14.4
6	#14190.00	39.1 AV	68.2	-29.1	1.62 V	282	24.7	14.4
7	21285.00	42.4 PK	74.0	-31.6	1.47 V	228	46.6	-4.2
8	21285.00	34.1 AV	54.0	-19.9	1.47 V	228	38.3	-4.2
9	#28380.00	46.5 PK	88.2	-41.7	1.71 V	186	48.2	-1.7
10	#28380.00	37.3 AV	68.2	-30.9	1.71 V	186	39.0	-1.7

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 35 : 6125 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	48.6 PK	88.2	-39.6	1.63 H	302	46.8	1.8
2	#5925.00	36.6 AV	68.2	-31.6	1.63 H	302	34.8	1.8
3	*6125.00	114.2 PK			1.63 H	302	112.0	2.2
4	*6125.00	103.3 AV			1.63 H	302	101.1	2.2
5	12250.00	52.7 PK	74.0	-21.3	1.36 H	33	41.9	10.8
6	12250.00	40.8 AV	54.0	-13.2	1.36 H	33	30.0	10.8
7	18375.00	42.4 PK	74.0	-31.6	1.73 H	78	49.0	-6.6
8	18375.00	34.1 AV	54.0	-19.9	1.73 H	78	40.7	-6.6
9	#24500.00	45.7 PK	88.2	-42.5	2.29 H	160	48.0	-2.3
10	#24500.00	36.6 AV	68.2	-31.6	2.29 H	160	38.9	-2.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	48.7 PK	88.2	-39.5	2.18 V	189	46.9	1.8
2	#5925.00	36.7 AV	68.2	-31.5	2.18 V	189	34.9	1.8
3	*6125.00	120.0 PK			2.18 V	189	117.8	2.2
4	*6125.00	109.2 AV			2.18 V	189	107.0	2.2
5	12250.00	51.2 PK	74.0	-22.8	1.61 V	251	40.4	10.8
6	12250.00	39.3 AV	54.0	-14.7	1.61 V	251	28.5	10.8
7	18375.00	42.1 PK	74.0	-31.9	1.51 V	233	48.7	-6.6
8	18375.00	33.9 AV	54.0	-20.1	1.51 V	233	40.5	-6.6
9	#24500.00	47.2 PK	88.2	-41.0	1.75 V	187	49.5	-2.3
10	#24500.00	38.2 AV	68.2	-30.0	1.75 V	187	40.5	-2.3

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 59 : 6245 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6245.00	113.9 PK			1.59 H	317	111.3	2.6
2	*6245.00	102.9 AV			1.59 H	317	100.3	2.6
3	12490.00	53.0 PK	74.0	-21.0	1.44 H	38	42.9	10.1
4	12490.00	41.1 AV	54.0	-12.9	1.44 H	38	31.0	10.1
5	18735.00	41.9 PK	74.0	-32.1	1.73 H	84	48.6	-6.7
6	18735.00	33.3 AV	54.0	-20.7	1.73 H	84	40.0	-6.7
7	#24980.00	45.4 PK	88.2	-42.8	2.22 H	148	47.4	-2.0
8	#24980.00	36.5 AV	68.2	-31.7	2.22 H	148	38.5	-2.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6245.00	120.0 PK			2.24 V	205	117.4	2.6
2	*6245.00	108.9 AV			2.24 V	205	106.3	2.6
3	12490.00	51.5 PK	74.0	-22.5	1.66 V	258	41.4	10.1
4	12490.00	39.3 AV	54.0	-14.7	1.66 V	258	29.2	10.1
5	18735.00	42.9 PK	74.0	-31.1	1.49 V	228	49.6	-6.7
6	18735.00	34.7 AV	54.0	-19.3	1.49 V	228	41.4	-6.7
7	#24980.00	46.3 PK	88.2	-41.9	1.74 V	208	48.3	-2.0
8	#24980.00	37.4 AV	68.2	-30.8	1.74 V	208	39.4	-2.0

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 91 : 6405 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6405.00	114.2 PK			1.68 H	305	111.2	3.0
2	*6405.00	103.3 AV			1.68 H	305	100.3	3.0
3	#12810.00	52.7 PK	88.2	-35.5	1.38 H	31	41.9	10.8
4	#12810.00	40.8 AV	68.2	-27.4	1.38 H	31	30.0	10.8
5	19215.00	42.0 PK	74.0	-32.0	1.82 H	84	48.5	-6.5
6	19215.00	33.2 AV	54.0	-20.8	1.82 H	84	39.7	-6.5
7	#25620.00	45.0 PK	88.2	-43.2	2.23 H	161	46.3	-1.3
8	#25620.00	36.0 AV	68.2	-32.2	2.23 H	161	37.3	-1.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6405.00	120.2 PK			2.19 V	193	117.2	3.0
2	*6405.00	109.6 AV			2.19 V	193	106.6	3.0
3	#12810.00	50.9 PK	88.2	-37.3	1.59 V	245	40.1	10.8
4	#12810.00	39.0 AV	68.2	-29.2	1.59 V	245	28.2	10.8
5	19215.00	42.2 PK	74.0	-31.8	1.55 V	241	48.7	-6.5
6	19215.00	34.1 AV	54.0	-19.9	1.55 V	241	40.6	-6.5
7	#25620.00	46.4 PK	88.2	-41.8	1.68 V	184	47.7	-1.3
8	#25620.00	37.9 AV	68.2	-30.3	1.68 V	184	39.2	-1.3

Remarks:

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

RF Mode	TX 802.11ax (HE40)	Channel	CH 99 : 6445 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6445.00	114.9 PK			1.69 H	287	111.6	3.3
2	*6445.00	103.7 AV			1.69 H	287	100.4	3.3
3	#12890.00	52.7 PK	88.2	-35.5	1.45 H	21	42.0	10.7
4	#12890.00	41.1 AV	68.2	-27.1	1.45 H	21	30.4	10.7
5	19335.00	42.1 PK	74.0	-31.9	1.80 H	86	48.6	-6.5
6	19335.00	33.7 AV	54.0	-20.3	1.80 H	86	40.2	-6.5
7	#25780.00	45.3 PK	88.2	-42.9	2.21 H	147	46.5	-1.2
8	#25780.00	36.5 AV	68.2	-31.7	2.21 H	147	37.7	-1.2

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6445.00	120.1 PK			2.20 V	187	116.8	3.3
2	*6445.00	109.5 AV			2.20 V	187	106.2	3.3
3	#12890.00	51.7 PK	88.2	-36.5	1.67 V	258	41.0	10.7
4	#12890.00	39.5 AV	68.2	-28.7	1.67 V	258	28.8	10.7
5	19335.00	43.1 PK	74.0	-30.9	1.56 V	221	49.6	-6.5
6	19335.00	34.6 AV	54.0	-19.4	1.56 V	221	41.1	-6.5
7	#25780.00	46.3 PK	88.2	-41.9	1.72 V	192	47.5	-1.2
8	#25780.00	37.5 AV	68.2	-30.7	1.72 V	192	38.7	-1.2

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 107 : 6485 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6485.00	114.3 PK			1.66 H	296	110.7	3.6
2	*6485.00	103.5 AV			1.66 H	296	99.9	3.6
3	#12970.00	52.9 PK	88.2	-35.3	1.40 H	43	42.1	10.8
4	#12970.00	41.1 AV	68.2	-27.1	1.40 H	43	30.3	10.8
5	19455.00	42.7 PK	74.0	-31.3	1.76 H	85	48.9	-6.2
6	19455.00	34.1 AV	54.0	-19.9	1.76 H	85	40.3	-6.2
7	#25940.00	45.7 PK	88.2	-42.5	2.22 H	151	46.8	-1.1
8	#25940.00	36.4 AV	68.2	-31.8	2.22 H	151	37.5	-1.1

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6485.00	119.6 PK			2.14 V	200	116.0	3.6
2	*6485.00	108.8 AV			2.14 V	200	105.2	3.6
3	#12970.00	51.7 PK	88.2	-36.5	1.68 V	246	40.9	10.8
4	#12970.00	39.5 AV	68.2	-28.7	1.68 V	246	28.7	10.8
5	19455.00	42.2 PK	74.0	-31.8	1.52 V	240	48.4	-6.2
6	19455.00	34.0 AV	54.0	-20.0	1.52 V	240	40.2	-6.2
7	#25940.00	46.2 PK	88.2	-42.0	1.73 V	206	47.3	-1.1
8	#25940.00	37.7 AV	68.2	-30.5	1.73 V	206	38.8	-1.1

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 115 : 6525 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6525.00	114.7 PK			1.65 H	304	111.0	3.7
2	*6525.00	103.6 AV			1.65 H	304	99.9	3.7
3	#13050.00	52.8 PK	88.2	-35.4	1.37 H	38	41.7	11.1
4	#13050.00	40.8 AV	68.2	-27.4	1.37 H	38	29.7	11.1
5	19575.00	42.4 PK	74.0	-31.6	1.80 H	63	48.7	-6.3
6	19575.00	33.9 AV	54.0	-20.1	1.80 H	63	40.2	-6.3
7	#26100.00	45.5 PK	88.2	-42.7	2.29 H	152	46.5	-1.0
8	#26100.00	36.5 AV	68.2	-31.7	2.29 H	152	37.5	-1.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6525.00	119.9 PK			2.18 V	175	116.2	3.7
2	*6525.00	109.1 AV			2.18 V	175	105.4	3.7
3	#13050.00	50.9 PK	88.2	-37.3	1.63 V	245	39.8	11.1
4	#13050.00	38.9 AV	68.2	-29.3	1.63 V	245	27.8	11.1
5	19575.00	43.3 PK	74.0	-30.7	1.56 V	234	49.6	-6.3
6	19575.00	34.7 AV	54.0	-19.3	1.56 V	234	41.0	-6.3
7	#26100.00	46.7 PK	88.2	-41.5	1.72 V	210	47.7	-1.0
8	#26100.00	37.7 AV	68.2	-30.5	1.72 V	210	38.7	-1.0

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 123 : 6565 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6565.00	114.6 PK			1.66 H	317	110.6	4.0
2	*6565.00	103.6 AV			1.66 H	317	99.6	4.0
3	#13130.00	53.1 PK	88.2	-35.1	1.43 H	37	41.7	11.4
4	#13130.00	41.2 AV	68.2	-27.0	1.43 H	37	29.8	11.4
5	19695.00	43.0 PK	74.0	-31.0	1.82 H	65	49.2	-6.2
6	19695.00	34.2 AV	54.0	-19.8	1.82 H	65	40.4	-6.2
7	#26260.00	45.6 PK	88.2	-42.6	2.26 H	147	46.6	-1.0
8	#26260.00	36.5 AV	68.2	-31.7	2.26 H	147	37.5	-1.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6565.00	120.1 PK			2.13 V	192	116.1	4.0
2	*6565.00	109.4 AV			2.13 V	192	105.4	4.0
3	#13130.00	51.4 PK	88.2	-36.8	1.66 V	247	40.0	11.4
4	#13130.00	39.6 AV	68.2	-28.6	1.66 V	247	28.2	11.4
5	19695.00	42.9 PK	74.0	-31.1	1.53 V	221	49.1	-6.2
6	19695.00	34.7 AV	54.0	-19.3	1.53 V	221	40.9	-6.2
7	#26260.00	46.3 PK	88.2	-41.9	1.71 V	210	47.3	-1.0
8	#26260.00	37.7 AV	68.2	-30.5	1.71 V	210	38.7	-1.0

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 155 : 6725 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6725.00	114.0 PK			1.65 H	304	109.8	4.2
2	*6725.00	103.3 AV			1.65 H	304	99.1	4.2
3	#13450.00	52.6 PK	88.2	-35.6	1.35 H	30	40.0	12.6
4	#13450.00	40.7 AV	68.2	-27.5	1.35 H	30	28.1	12.6
5	20175.00	42.4 PK	74.0	-31.6	1.86 H	50	47.8	-5.4
6	20175.00	33.7 AV	54.0	-20.3	1.86 H	50	39.1	-5.4
7	#26900.00	45.2 PK	88.2	-43.0	2.23 H	139	46.2	-1.0
8	#26900.00	36.2 AV	68.2	-32.0	2.23 H	139	37.2	-1.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6725.00	120.0 PK			2.15 V	200	115.8	4.2
2	*6725.00	109.2 AV			2.15 V	200	105.0	4.2
3	#13450.00	51.2 PK	88.2	-37.0	1.67 V	264	38.6	12.6
4	#13450.00	39.1 AV	68.2	-29.1	1.67 V	264	26.5	12.6
5	20175.00	42.9 PK	74.0	-31.1	1.53 V	226	48.3	-5.4
6	20175.00	34.4 AV	54.0	-19.6	1.53 V	226	39.8	-5.4
7	#26900.00	47.0 PK	88.2	-41.2	1.72 V	203	48.0	-1.0
8	#26900.00	38.0 AV	68.2	-30.2	1.72 V	203	39.0	-1.0

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 179 : 6845 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6845.00	114.5 PK			1.65 H	312	110.0	4.5
2	*6845.00	103.7 AV			1.65 H	312	99.2	4.5
3	#13690.00	52.3 PK	88.2	-35.9	1.35 H	42	39.1	13.2
4	#13690.00	40.3 AV	68.2	-27.9	1.35 H	42	27.1	13.2
5	20535.00	42.6 PK	74.0	-31.4	1.84 H	63	47.8	-5.2
6	20535.00	34.2 AV	54.0	-19.8	1.84 H	63	39.4	-5.2
7	#27380.00	45.3 PK	88.2	-42.9	2.24 H	148	46.7	-1.4
8	#27380.00	36.1 AV	68.2	-32.1	2.24 H	148	37.5	-1.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6845.00	120.0 PK			2.19 V	195	115.5	4.5
2	*6845.00	109.3 AV			2.19 V	195	104.8	4.5
3	#13690.00	51.7 PK	88.2	-36.5	1.59 V	247	38.5	13.2
4	#13690.00	39.5 AV	68.2	-28.7	1.59 V	247	26.3	13.2
5	20535.00	42.4 PK	74.0	-31.6	1.53 V	248	47.6	-5.2
6	20535.00	34.2 AV	54.0	-19.8	1.53 V	248	39.4	-5.2
7	#27380.00	46.6 PK	88.2	-41.6	1.68 V	184	48.0	-1.4
8	#27380.00	38.0 AV	68.2	-30.2	1.68 V	184	39.4	-1.4

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 187 : 6885 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6885.00	113.8 PK			1.59 H	298	109.1	4.7
2	*6885.00	103.0 AV			1.59 H	298	98.3	4.7
3	#13770.00	53.4 PK	88.2	-34.8	1.41 H	52	40.1	13.3
4	#13770.00	41.2 AV	68.2	-27.0	1.41 H	52	27.9	13.3
5	20655.00	42.2 PK	74.0	-31.8	1.76 H	75	47.1	-4.9
6	20655.00	33.9 AV	54.0	-20.1	1.76 H	75	38.8	-4.9
7	#27540.00	45.1 PK	88.2	-43.1	2.33 H	160	46.6	-1.5
8	#27540.00	36.3 AV	68.2	-31.9	2.33 H	160	37.8	-1.5

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6885.00	119.3 PK			2.22 V	195	114.6	4.7
2	*6885.00	108.8 AV			2.22 V	195	104.1	4.7
3	#13770.00	50.6 PK	88.2	-37.6	1.66 V	247	37.3	13.3
4	#13770.00	38.9 AV	68.2	-29.3	1.66 V	247	25.6	13.3
5	20655.00	42.5 PK	74.0	-31.5	1.52 V	247	47.4	-4.9
6	20655.00	34.2 AV	54.0	-19.8	1.52 V	247	39.1	-4.9
7	#27540.00	47.0 PK	88.2	-41.2	1.70 V	202	48.5	-1.5
8	#27540.00	38.2 AV	68.2	-30.0	1.70 V	202	39.7	-1.5

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 211 : 7005 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7005.00	114.8 PK			1.64 H	289	109.1	5.7
2	*7005.00	103.6 AV			1.64 H	289	97.9	5.7
3	#14010.00	52.3 PK	88.2	-35.9	1.35 H	29	38.8	13.5
4	#14010.00	40.3 AV	68.2	-27.9	1.35 H	29	26.8	13.5
5	21015.00	41.8 PK	74.0	-32.2	1.83 H	56	46.3	-4.5
6	21015.00	33.4 AV	54.0	-20.6	1.83 H	56	37.9	-4.5
7	#28020.00	45.3 PK	88.2	-42.9	2.28 H	153	47.0	-1.7
8	#28020.00	36.4 AV	68.2	-31.8	2.28 H	153	38.1	-1.7

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7005.00	120.1 PK			2.16 V	192	114.4	5.7
2	*7005.00	109.5 AV			2.16 V	192	103.8	5.7
3	#14010.00	51.3 PK	88.2	-36.9	1.66 V	241	37.8	13.5
4	#14010.00	39.2 AV	68.2	-29.0	1.66 V	241	25.7	13.5
5	21015.00	42.9 PK	74.0	-31.1	1.54 V	233	47.4	-4.5
6	21015.00	34.4 AV	54.0	-19.6	1.54 V	233	38.9	-4.5
7	#28020.00	46.9 PK	88.2	-41.3	1.74 V	203	48.6	-1.7
8	#28020.00	38.0 AV	68.2	-30.2	1.74 V	203	39.7	-1.7

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE40)	Channel	CH 227 : 7085 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7085.00	113.6 PK			1.57 H	100	107.7	5.9
2	*7085.00	103.3 AV			1.57 H	100	97.4	5.9
3	#7125.00	71.9 PK	88.2	-16.3	1.57 H	100	65.6	6.3
4	#7125.00	60.8 AV	68.2	-7.4	1.57 H	100	54.5	6.3
5	#14170.00	52.3 PK	88.2	-35.9	1.38 H	24	38.0	14.3
6	#14170.00	40.4 AV	68.2	-27.8	1.38 H	24	26.1	14.3
7	21255.00	42.2 PK	74.0	-31.8	1.81 H	77	46.5	-4.3
8	21255.00	33.5 AV	54.0	-20.5	1.81 H	77	37.8	-4.3
9	#28340.00	45.8 PK	88.2	-42.4	2.25 H	138	47.4	-1.6
10	#28340.00	36.9 AV	68.2	-31.3	2.25 H	138	38.5	-1.6

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7085.00	119.1 PK			2.10 V	3	113.2	5.9
2	*7085.00	108.6 AV			2.10 V	3	102.7	5.9
3	#7131.60	79.4 PK	88.2	-8.8	2.10 V	3	73.1	6.3
4	#7131.60	63.2 AV	68.2	-5.0	2.10 V	3	56.9	6.3
5	#14170.00	51.9 PK	88.2	-36.3	1.60 V	268	37.6	14.3
6	#14170.00	39.8 AV	68.2	-28.4	1.60 V	268	25.5	14.3
7	21255.00	43.3 PK	74.0	-30.7	1.52 V	247	47.6	-4.3
8	21255.00	34.8 AV	54.0	-19.2	1.52 V	247	39.1	-4.3
9	#28340.00	47.0 PK	88.2	-41.2	1.75 V	192	48.6	-1.6
10	#28340.00	38.2 AV	68.2	-30.0	1.75 V	192	39.8	-1.6

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE80)	Channel	CH 39 : 6145 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5845.50	49.0 PK	88.2	-39.2	1.71 H	313	47.1	1.9
2	#5845.50	36.7 AV	68.2	-31.5	1.71 H	313	34.8	1.9
3	*6145.00	110.2 PK			1.71 H	313	107.9	2.3
4	*6145.00	100.6 AV			1.71 H	313	98.3	2.3
5	12290.00	53.3 PK	74.0	-20.7	1.38 H	31	42.4	10.9
6	12290.00	41.1 AV	54.0	-12.9	1.38 H	31	30.2	10.9
7	18435.00	42.5 PK	74.0	-31.5	1.76 H	76	49.1	-6.6
8	18435.00	34.2 AV	54.0	-19.8	1.76 H	76	40.8	-6.6
9	#24580.00	45.2 PK	88.2	-43.0	2.27 H	139	47.5	-2.3
10	#24580.00	36.4 AV	68.2	-31.8	2.27 H	139	38.7	-2.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5845.50	49.7 PK	88.2	-38.5	2.12 V	180	47.8	1.9
2	#5845.50	36.6 AV	68.2	-31.6	2.12 V	180	34.7	1.9
3	*6145.00	117.8 PK			2.12 V	180	115.5	2.3
4	*6145.00	106.3 AV			2.12 V	180	104.0	2.3
5	12290.00	51.8 PK	74.0	-22.2	1.62 V	241	40.9	10.9
6	12290.00	39.8 AV	54.0	-14.2	1.62 V	241	28.9	10.9
7	18435.00	42.4 PK	74.0	-31.6	1.52 V	230	49.0	-6.6
8	18435.00	33.9 AV	54.0	-20.1	1.52 V	230	40.5	-6.6
9	#24580.00	47.2 PK	88.2	-41.0	1.70 V	203	49.5	-2.3
10	#24580.00	38.3 AV	68.2	-29.9	1.70 V	203	40.6	-2.3

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 55 : 6225 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6225.00	110.3 PK			1.77 H	319	107.7	2.6
2	*6225.00	100.5 AV			1.77 H	319	97.9	2.6
3	12450.00	53.5 PK	74.0	-20.5	1.42 H	33	43.4	10.1
4	12450.00	41.3 AV	54.0	-12.7	1.42 H	33	31.2	10.1
5	18675.00	42.9 PK	74.0	-31.1	1.84 H	63	49.5	-6.6
6	18675.00	34.2 AV	54.0	-19.8	1.84 H	63	40.8	-6.6
7	#24900.00	44.8 PK	88.2	-43.4	2.28 H	163	46.6	-1.8
8	#24900.00	36.0 AV	68.2	-32.2	2.28 H	163	37.8	-1.8

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6225.00	117.6 PK			2.09 V	190	115.0	2.6
2	*6225.00	106.0 AV			2.09 V	190	103.4	2.6
3	12450.00	51.5 PK	74.0	-22.5	1.66 V	253	41.4	10.1
4	12450.00	39.5 AV	54.0	-14.5	1.66 V	253	29.4	10.1
5	18675.00	42.7 PK	74.0	-31.3	1.56 V	218	49.3	-6.6
6	18675.00	34.4 AV	54.0	-19.6	1.56 V	218	41.0	-6.6
7	#24900.00	46.2 PK	88.2	-42.0	1.78 V	208	48.0	-1.8
8	#24900.00	37.6 AV	68.2	-30.6	1.78 V	208	39.4	-1.8

Remarks:

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

RF Mode	TX 802.11ax (HE80)	Channel	CH 87 : 6385 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6385.00	110.3 PK			1.67 H	321	107.3	3.0
2	*6385.00	100.9 AV			1.67 H	321	97.9	3.0
3	#12770.00	52.4 PK	88.2	-35.8	1.43 H	38	41.6	10.8
4	#12770.00	40.6 AV	68.2	-27.6	1.43 H	38	29.8	10.8
5	19155.00	42.8 PK	74.0	-31.2	1.77 H	70	49.3	-6.5
6	19155.00	34.2 AV	54.0	-19.8	1.77 H	70	40.7	-6.5
7	#25540.00	45.3 PK	88.2	-42.9	2.34 H	142	46.7	-1.4
8	#25540.00	36.5 AV	68.2	-31.7	2.34 H	142	37.9	-1.4

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6385.00	117.8 PK			2.06 V	195	114.8	3.0
2	*6385.00	106.0 AV			2.06 V	195	103.0	3.0
3	#12770.00	51.5 PK	88.2	-36.7	1.58 V	245	40.7	10.8
4	#12770.00	39.5 AV	68.2	-28.7	1.58 V	245	28.7	10.8
5	19155.00	42.4 PK	74.0	-31.6	1.52 V	221	48.9	-6.5
6	19155.00	33.9 AV	54.0	-20.1	1.52 V	221	40.4	-6.5
7	#25540.00	46.4 PK	88.2	-41.8	1.68 V	208	47.8	-1.4
8	#25540.00	37.5 AV	68.2	-30.7	1.68 V	208	38.9	-1.4

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. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	TX 802.11ax (HE80)	Channel	CH 103 : 6465 MHz
Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6465.00	110.6 PK			1.66 H	313	107.2	3.4
2	*6465.00	100.9 AV			1.66 H	313	97.5	3.4
3	#12930.00	52.5 PK	88.2	-35.7	1.35 H	31	41.8	10.7
4	#12930.00	40.4 AV	68.2	-27.8	1.35 H	31	29.7	10.7
5	19395.00	43.0 PK	74.0	-31.0	1.81 H	63	49.2	-6.2
6	19395.00	34.4 AV	54.0	-19.6	1.81 H	63	40.6	-6.2
7	#25860.00	45.1 PK	88.2	-43.1	2.31 H	145	46.4	-1.3
8	#25860.00	36.1 AV	68.2	-32.1	2.31 H	145	37.4	-1.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6465.00	118.2 PK			2.17 V	192	114.8	3.4
2	*6465.00	106.6 AV			2.17 V	192	103.2	3.4
3	#12930.00	51.4 PK	88.2	-36.8	1.65 V	245	40.7	10.7
4	#12930.00	39.3 AV	68.2	-28.9	1.65 V	245	28.6	10.7
5	19395.00	42.6 PK	74.0	-31.4	1.51 V	244	48.8	-6.2
6	19395.00	34.1 AV	54.0	-19.9	1.51 V	244	40.3	-6.2
7	#25860.00	46.9 PK	88.2	-41.3	1.73 V	199	48.2	-1.3
8	#25860.00	38.0 AV	68.2	-30.2	1.73 V	199	39.3	-1.3

Remarks:

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