

Suppleme	ental "Transmit Simultaneously" Test Report
Report No.:	RFBARR-WTW-P20110181K-4
FCC ID:	RAS-MT7921K
Test Model:	MT7921K
Received Date:	2021/10/21
Test Date:	2021/12/23 ~ 2022/1/11
Issued Date:	2022/1/18
Applicant:	MediaTek Inc.
Address:	No. 1, Dusing 1st Rd., Hsinchu Science Park Hsinchu City 30078 Taiwan
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, Taiwa.
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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Table of Contents

Releas	e Control Record	3
1	Certificate of Conformity	4
2	Summary of Test Results	5
2.1 2.2	Measurement Uncertainty Modification Record	5 5
3	General Information	6
3.1 3.1.1 3.2 3.2.1	General Description of EUT Test Mode Applicability and Tested Channel Detail Description of Support Units Configuration of System under Test	6 9 11 . 12
4	Test Types and Results	. 13
$\begin{array}{c} 4.1\\ 4.1.1\\ 4.1.2\\ 4.1.3\\ 4.1.4\\ 4.1.5\\ 4.1.6\\ 4.1.7\\ 4.1.8\\ 4.2.1\\ 4.2.2\\ 4.2.3\\ 4.2.4\\ 4.2.5\\ 4.2.6\\ 4.2.7\\ 4.3\\ 4.3.1\\ 4.3.2\\ 4.3.3\\ 4.3.4\\ 4.3.5\\ 4.3.6\\ 4.3.7\end{array}$	Radiated Emission and Bandedge Measurement Limits of Radiated Emission and Bandedge Measurement Test Instruments Test Procedures Deviation from Test Standard Test Setup EUT Operating Conditions Test Results (Mode 1) Test Results (Mode 2) Conducted Emission Measurement Limits of Conducted Emission Measurement Test Instruments Test Procedures Deviation from Test Standard Test Results (Mode 2) Conducted Emission Measurement Limits of Conducted Emission Measurement Test Instruments Test Procedures Deviation from Test Standard Test Setup EUT Operating Conditions Test Results Conducted Out of Band Emission Measurement Limits of Conducted Out of Band Emission Measurement Limits of Conducted Out of Band Emission Measurement Test Setup Test Instruments Test Setup Test Instruments Test Procedures Deviation from Test Standard EUT Operating Conditions Test Results <td>13 13 15 17 17 18 19 20 23 26 26 26 26 27 27 27 27 27 27 27 27 27 27 27 27 30 30 30 30 30 30 30 30</td>	13 13 15 17 17 18 19 20 23 26 26 26 26 27 27 27 27 27 27 27 27 27 27 27 27 30 30 30 30 30 30 30 30
5	Pictures of Test Arrangements	. 32
Appen	dix – Information of the Testing Laboratories	. 33



Release Control Record Issue No. Description Date Issued RFBARR-WTW-P20110181K-4 Original release. 2022/1/18



1 Certificate of Conformity

Product:	2TX 11ax (WiFi6E) + BT/BLE Combo Card
Brand:	MediaTek
Test Model:	MT7921K
Sample Status:	Engineering sample
Applicant:	MediaTek Inc.
Test Date:	2021/12/23 ~ 2022/1/11
Standards:	47 CFR FCC Part 15, Subpart C (Section 15.247)
	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:	2022/1/18	
	Vivian Huang / Specialist ^J			
Approved by :	Clark Lin / Technical Manager	_, Date:	2022/1/18	



2 Summary of Test Results

FCC Part 15, Subpart C, E (SECTION 15.247, 15.407)						
FCC Clause	Test Item Result Remarks					
15.207 15.407(b)(6)	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -4.29dB at 21.16740MHz.			
15.205 / 15.209 / 15.247(d) 15.407(b) (1/2/3/4(i/ii)/6)	Radiated Emissions and Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -3.7dB at 35.75MHz.			

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
Padiated Emissions up to 1 CHz	9kHz ~ 30MHz	3.1 dB
Radiated Emissions up to 1 GHZ	30MHz ~ 1GHz	5.5 dB
Padiated Emissions above 1 CHz	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	2TX 11ax (WiFi6E) + BT/BLE Combo Card
Brand	MediaTek
Test Model	MT7921K
Status of EUT	Engineering sample
Power Supply Rating	DC 3.3V from host equipment
Modulation Type	WLAN: CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode and VHT20/40 in 2.4GHz 1024QAM for OFDMA in 11ax HE mode BT-EDR: GFSK, π/4-DQPSK, 8DPSK BT-LE: GFSK
Modulation Technology	WLAN: DSSS,OFDM, OFDMA BT-EDR: FHSS BT-LE: DTS
Operating Frequency	WLAN: 2.4GHz: 2.412 ~ 2.472GHz 5GHz: 5.18 ~ 5.32GHz, 5.50GHz ~ 5.72GHz, 5.745 ~ 5.825GHz 5.9GHz: 5.845 ~ 5.885 GHz 6GHz: 5.955 ~ 6.415GHz, 6.435 ~ 6.525GHz, 6.525 ~ 6.875GHz, 6.875 ~ 7.115GHz BT-EDR: 2.402 ~ 2.480 GHz BT-LE: 2.402 ~ 2.480 GHz
Number of Channel	2.4GHz: 802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20): 13 802.11n (HT40), VHT40, 802.11ax (HE40): 9 5GHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6 5.9GHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 3 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2 802.11ac (VHT80), 802.11ax (HE80): 1 6GHz: 802.11ax (HE20): 59 802.11ax (HE20): 59 802.11ax (HE40): 29 802.11ax (HE80): 14 BT-EDR: 79 BT-LE: 40
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Data Cable Supplied	NA



Note:

- 1. This is a supplementary report of Report No.: RFBARR-WTW-P20110181F-4. The differences between them are as below information:
 - Enable U-NII-4 and U-NII-3 & -4 span channels through software change.
- 2. According to above conditions, for Radiated Emissions and Band Edge test item need to be performed and all data was tested to meet the requirements.

3. Simultaneously transmission condition.

Condition	Technology				
1	WLAN (2.4GHz)	Bluetooth			
2	WLAN (5GHz / 5.9GHz / 6GHz)	Bluetooth			

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

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

Ant. Set	RF Chain No.	Brand	Model	Ant. Net Gain (dBi)	Freq. Range (GHz)	Ant. Type	Connector Type	Cable Length (mm)	Cable Loss (dB)	Excluding Cable Loss Ant. Gain (dBi)
1	Chain0	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.85	Dipole	R-SMA	150	2.4~2.4835GHz : 0.5 5.15~5.85GHz : 0.8	2.92 4.67
	Chain1	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.85	Dipole	R-SMA	150	2.4~2.4835GHz : 0.5 5.15~5.85GHz : 0.8	2.92 4.67
2	Chain0	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.85	PIFA	i-pex(MHF)	200	included cable loss	-
2	Chain1	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.85	PIFA	i-pex(MHF)	200	included cable loss	-
3	Chain0	PSA	RFMTA311020EMMB301	1.71 4.82 3.31	2.4~2.48355.15~5.85 5.92~7.125	PIFA	i-pex(MHF)	200	-	-
5	Chain1	PSA	RFMTA311020EMMB301	1.71 4.82 3.31	2.4~2.48355.15~5.85 5.92~7.125	PIFA	i-pex(MHF)	200	-	-
	Chain0	PSA	RFMTA311020EMMB301_V02	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.85 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200	-	-
4	Chain1	PSA	RFMTA311020EMMB301_V02	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.85 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200	-	-
F	Chain0	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.85 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP SMA PLUG	40	-	-
5	Chain1	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.85 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP SMA PLUG	40	-	-



Ant. Set	RF Chain No.	Brand	Model	Ant. Net Gain (dBi)	Freq. Range (GHz)	Ant. Type	Connector Type	Cable Length (mm)	Cable Loss (dB)	Excluding Cable Loss Ant. Gain (dBi)
	Chain0	Luxshare-ICT	LA9RF059-CS-H (Main)	0.3 1.3 1.2	2.4~2.4835 5.15~5.85 5.925~7.125	Dipole	RP SMA PLUG	925	-	-
6	Chain1	Luxshare-ICT	LA9RF059-CS-H (Aux)	-1.10 -1.10 1.4	2.4~2.4835 5.15~5.85 5.925~7.125	Dipole	RP SMA PLUG	876	-	-
7	Chain0	ASUS	14008-02650500 Main ant.	1.03 2.07 2.80	2.4~2.4835 5.15~5.85 5.925~7.125	Dipole	RP SMA PLUG	800	-	-
1	Chain1	ASUS	14008-02650500 Aux ant.	2.27 2.01 3.08	2.4~2.4835 5.15~5.85 5.925~7.125	Dipole	RP SMA PLUG	800	-	-

Note: Max. gain was selected for the final test.

5. The EUT incorporates a MIMO function.

2.4GHz Band						
MODULATION MODE	TX & RX CONFIGURATION					
802.11b	2TX	2RX				
802.11g	2TX	2RX				
802.11n (HT20)	2TX	2RX				
802.11n (HT40)	2TX	2RX				
VHT20	2TX	2RX				
VHT40	2TX	2RX				
802.11ax (HE20)	2TX	2RX				
802.11ax (HE40)	2TX	2RX				
	5GHz Band					
MODULATION MODE	TX & RX CONFI	GURATION				
802.11a	2TX	2RX				
802.11n (HT20)	2TX	2RX				
802.11n (HT40)	2TX	2RX				
802.11ac (VHT20)	2TX	2RX				
802.11ac (VHT40)	2TX	2RX				
802.11ac (VHT80)	2TX	2RX				
802.11ax (HE20)	2TX	2RX				
802.11ax (HE40)	2TX	2RX				
802.11ax (HE80)	2TX	2RX				
	6GHz Band					
MODULATION MODE	TX & RX CONFI	GURATION				
802.11ax (HE20)	2TX	2RX				
802.11ax (HE40)	2TX	2RX				
802.11ax (HE80)	2TX	2RX				
Note: The FLIT doesn't sur	port beamforming function					

Note: The EUT doesn't support beamforming function.

6. 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.

7. The above Antenna information is declared by manufacturer, the laboratory shall not be held responsible.



3.1.1 Test Mode Applicability and Tested Channel Detail

EUT Configure	e	Applic	able To		Description		
Mode	RE≥1G	RE<1G	PLC	ОВ	Description		
1	\checkmark	\checkmark	\checkmark	\checkmark	With PIFA antenna		
2	\checkmark	\checkmark	-	-	With Dipole antenna		
Where I	RE≥1G: Radiate	d Emission abo	ve 1GHz	RE<1G: Radiated Emission below 1GHz			
F	PLC: Power Line	Conducted Er	nission	OB: Conducted Out-Band Emission Measurement			

Note: In the original report, the EUT's antenna (PIFA) had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane**

Radiated Emission Test (Above 1GHz):

- The tested configurations represent the worst-case mode from all possible combinations by the maximum power.
- Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE
802.11ax (HE80)	171	171	OFDMA	BPSK
+ BT-LE	1 to 38	19	DTS	GFSK

Radiated Emission Test (Below 1GHz):

- The tested configurations represent the worst-case mode from all possible combinations by the maximum power.
- Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	ABLE TESTED CHANNEL		MODULATION TYPE
802.11ax (HE80) + BT-LE	171	171	OFDMA	BPSK
	1 to 38	19	DTS	GFSK

Power Line Conducted Emission Test:

The tested configurations represent the worst-case mode from all possible combinations by the maximum power.

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

MODE	AVAILABLE CHANNEL	TESTED CHANNEL MODULATION TECHNOLOG		MODULATION TYPE
802.11ax (HE80) + BT-LE	171	171	OFDMA	BPSK
	1 to 38	19	DTS	GFSK



Conducted Out-Band Emission Measurement:

The tested configurations represent the worst-case mode from all possible combinations by the maximum power.

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

MODE	AVAILABLE TESTED CHANNEL		MODULATION TECHNOLOGY	MODULATION TYPE
802.11ax (HE80) + BT-LE	171	171	OFDMA	BPSK
	1 to 38	19	DTS	GFSK

Test Condition:

Applicable To	Environmental Conditions	Input Power (system)	Tested By
RE≥1G	22deg. C, 70%RH	120Vac, 60Hz	Carter Lin
RE<1G	23deg. C, 66%RH	120Vac, 60Hz	Tom Yang
PLC	25deg. C, 75%RH	120Vac, 60Hz	Carter Lin
OB	24deg. C, 60%RH	120Vac, 60Hz	Eric Peng



3.2 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
Α.	Laptop	DELL	E6440	F9LYQ32	FCC DoC	Provided by Lab
В.	Test Tool	MTK	NA	NA	NA	Supplied by client
C.	Adapter	Dell	FA65NE0-00	NA	NA	Provided by Lab

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC Cable	1	1.6	No	1	Provided by Lab
2.	AC Cable	1	1	No	0	Provided by Lab

Note: The core is originally attached to the cable.



Configuration of System under Test 3.2.1 For Conducted Emissions test: (A) Laptop (B)Test Tool EUT (1) (C) Adapter (2) For Radiated Emissions test: (A) Laptop (B)Test Tool EUT (1) Under Table (C) Adapter (2)



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

Applicable To		Limit		
789033 D02 Genera	I UNII Test Procedure	Field Strength at 3m		
New Rules v02r01		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)			
5250~5350 MHz	15.407(b)(2)	PK:-27 (dBm/MHz)	PK:68.2(dBµV/m)	
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}	
	15.407(b)(4)(ii)	Emission limits in section 15.247(d)		
 *1 beyond 75 MHz or *3 below the band edged of 15.6 dBm/MHz a 	more above of the band ge increasing linearly to tt 5 MHz above.	edge. ^{*2} below the band edg dBm/MHz at 25 MH a level ^{*4} from 5 MHz above of increasing linearly t the band edge.	e increasing linearly to 10 Iz above. or below the band edge o a level of 27 dBm/MHz at	



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

Note:

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

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



4.1.2 Test Instruments

For Radiated Emission (below 1 GHz) test:

Description & Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Test Receiver Agilent	N9038A	MY51210202	2021/11/19	2022/11/18
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	2021/10/27	2022/10/26
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

Note: 1. The test was performed in 966 Chamber No. 4.

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: 2021/12/23



For Radiated Emission (above 1 GHz) test:

Description & Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Test Receiver Agilent	N9038A	MY51210202	2021/11/19	2022/11/18
Software	ADT_Radiated_V8. 7.08	NA	NA	NA
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	NA	NA
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2021/11/14	2022/11/13
Pre_Amplifier EMCI	EMC 12630 SE	980638	2021/4/7	2022/4/6
RF Cable-Frequency Range : 1-26.5GHz EMCI	EMC104-SM-SM-1 200	160922	2021/12/24	2022/12/23
RF Coaxial Cable EMCI	EMC104-SM-SM-2 000	180502	2021/4/26	2022/4/25
RF Coaxial Cable EMCI	EMC104-SM-SM-6 000	210704	2021/11/9	2022/11/8
Pre_Amplifier EMCI	EMC184045SE	980387	2022/1/10	2023/1/9
Horn Antenna Schwarzbeck	BBHA 9170	BBHA9170519	2021/11/14	2022/11/13
RF Cable-Frequency range: 1-40GHz EMCI	EMC102-KM-KM-1 200	160924	2022/1/10	2023/1/9
RF cable (40GHz) EMCI	EMC-KM-KM-4000	200214	2021/3/10	2022/3/9

Note: 1. The test was performed in 966 Chamber No. 4.

- 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: 2022/1/11



4.1.3 Test Procedures

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 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 emission below 30MHz







- 4.1.6 EUT Operating Conditions
- a. Placed the EUT on the testing table.
- b. Controlling software (WLAN: MT7961 QA0.0.2.33, Bluetooth: WCN combo tool (W2004)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.



4.1.7 Test Results (Mode 1)

Above 1GHz Data:

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

	Antenna Polarity & Test Distance : Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)		
4880.00	47.1 PK	74.0	-26.9	1.30 H	134	47.3	-0.2		
4880.00	36.1 AV	54.0	-17.9	1.30 H	134	36.3	-0.2		
7320.00	44.0 PK	74.0	-30.0	2.46 H	25	37.7	6.3		
7320.00	34.4 AV	54.0	-19.6	2.46 H	25	28.1	6.3		
11710.00	49.8 PK	74.0	-24.2	1.20 H	235	38.6	11.2		
11710.00	40.0 AV	54.0	-14.0	1.20 H	235	28.8	11.2		
#17565.00	55.3 PK	88.2	-32.9	3.80 H	90	37.2	18.1		
#17565.00	43.9 AV	68.2	-24.3	3.80 H	90	25.8	18.1		
F	requency (MHz) 4880.00 4880.00 7320.00 7320.00 11710.00 117565.00 #17565.00	Emission Level (MHz) 4880.00 47.1 PK 4880.00 36.1 AV 7320.00 44.0 PK 7320.00 34.4 AV 11710.00 49.8 PK 11710.00 40.0 AV #17565.00 55.3 PK #17565.00 43.9 AV	requency (MHz)Emission Level (dBuV/m)Limit (dBuV/m)4880.0047.1 PK74.04880.0036.1 AV54.07320.0044.0 PK74.07320.0034.4 AV54.011710.0049.8 PK74.011710.0040.0 AV54.0#17565.0055.3 PK88.2#17565.0043.9 AV68.2	requency (MHz)Emission Level (dBuV/m)Limit (dBuV/m)Margin (dB)4880.0047.1 PK74.0-26.94880.0036.1 AV54.0-17.97320.0044.0 PK74.0-30.07320.0034.4 AV54.0-19.611710.0049.8 PK74.0-24.211710.0040.0 AV54.0-14.0#17565.0055.3 PK88.2-32.9#17565.0043.9 AV68.2-24.3	requency (MHz)Emission Level (dBuV/m)Limit (dBuV/m)Margin (dB)Antenna Height (dB)4880.0047.1 PK74.0-26.91.30 H4880.0036.1 AV54.0-17.91.30 H7320.0044.0 PK74.0-30.02.46 H7320.0034.4 AV54.0-19.62.46 H11710.0049.8 PK74.0-24.21.20 H11710.0040.0 AV54.0-14.01.20 H117565.0055.3 PK88.2-32.93.80 H#17565.0043.9 AV68.2-24.33.80 H	requency (MHz)Emission Level (dBuV/m)Limit (dBuV/m)Margin (dB)Antenna Height (dB)Table Angle (Degree)4880.0047.1 PK74.0-26.91.30 H1344880.0036.1 AV54.0-17.91.30 H1347320.0044.0 PK74.0-30.02.46 H257320.0034.4 AV54.0-19.62.46 H2511710.0049.8 PK74.0-24.21.20 H23511710.0040.0 AV54.0-14.01.20 H235117565.0055.3 PK88.2-32.93.80 H90#17565.0043.9 AV68.2-24.33.80 H90	requency (MHz)Emission Level (dBuV/m)Limit (dBuV/m)Margin (dB)Antenna Height (dB)Table Angle (p)Raw Value (dBuV)4880.0047.1 PK74.0-26.91.30 H13447.34880.0036.1 AV54.0-17.91.30 H13436.37320.0044.0 PK74.0-30.02.46 H2537.77320.0034.4 AV54.0-19.62.46 H2528.111710.0049.8 PK74.0-24.21.20 H23538.611710.0040.0 AV54.0-14.01.20 H23528.8#17565.0055.3 PK88.2-32.93.80 H9037.2#17565.0043.9 AV68.2-24.33.80 H9025.8		

	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	4880.00	47.5 PK	74.0	-26.5	3.08 V	119	47.7	-0.2	
2	4880.00	40.1 AV	54.0	-13.9	3.08 V	119	40.3	-0.2	
3	7320.00	42.7 PK	74.0	-31.3	2.60 V	55	36.4	6.3	
4	7320.00	33.3 AV	54.0	-20.7	2.60 V	55	27.0	6.3	
5	11710.00	56.2 PK	74.0	-17.8	3.75 V	329	45.0	11.2	
6	11710.00	44.9 AV	54.0	-9.1	3.75 V	329	33.7	11.2	
7	#17565.00	63.4 PK	88.2	-24.8	3.71 V	353	45.3	18.1	
8	#17565.00	50.8 AV	68.2	-17.4	3.71 V	353	32.7	18.1	

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.



Below 1GHz Data:

FREQUENCY RANGE	9kHz ~ 1GHz	DETECTOR FUNCTION	Quasi-Peak (QP)
-----------------	-------------	----------------------	-----------------

	Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)	
1	30.59	33.0 QP	40.0	-7.0	1.00 H	142	46.7	-13.7	
2	48.04	28.2 QP	40.0	-11.8	1.00 H	308	40.8	-12.6	
3	95.07	28.4 QP	43.5	-15.1	1.00 H	252	46.0	-17.6	
4	158.98	32.8 QP	43.5	-10.7	1.00 H	264	44.8	-12.0	
5	199.28	38.3 QP	43.5	-5.2	1.00 H	318	53.3	-15.0	
6	232.77	37.8 QP	46.0	-8.2	1.50 H	214	51.8	-14.0	

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 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.



FRE	EQUENCY R	ANGE 94	Hz ~ 1GHz	Ĩ	DETECTOR FUNCTION		Quasi-Peak (QP)	
	Antenna Polarity & Test Distance : Vertical at 3 m							
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	35.75	36.3 QP	40.0	-3.7	1.00 V	137	49.9	-13.6
2	45.00	31.2 QP	40.0	-8.8	1.00 V	58	43.8	-12.6
3	100.01	30.9 QP	43.5	-12.6	1.00 V	141	47.6	-16.7
4	130.18	29.5 QP	43.5	-14.0	1.00 V	180	42.8	-13.3
5	198.50	32.5 QP	43.5	-11.0	1.50 V	248	47.5	-15.0
6	233.93	27.6 QP	46.0	-18.4	1.50 V	110	41.3	-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 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 (Mode 2)

Above 1GHz Data:

FREQUENCY RANGE	1GHz ~ 40GHz	DETECTOR FUNCTION	Peak (PK) Average (AV)
			5 ()

Antenna Polarity & Test Distance : Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)	
4880.00	47.7 PK	74.0	-26.3	1.30 H	127	47.9	-0.2	
4880.00	36.5 AV	54.0	-17.5	1.30 H	127	36.7	-0.2	
7320.00	43.5 PK	74.0	-30.5	2.43 H	37	37.2	6.3	
7320.00	34.1 AV	54.0	-19.9	2.43 H	37	27.8	6.3	
11710.00	50.8 PK	74.0	-23.2	3.33 H	189	39.6	11.2	
11710.00	40.6 AV	54.0	-13.4	3.33 H	189	29.4	11.2	
#17565.00	53.8 PK	88.2	-34.4	2.82 H	116	35.7	18.1	
#17565.00	42.5 AV	68.2	-25.7	2.82 H	116	24.4	18.1	
	Frequency (MHz) 4880.00 4880.00 7320.00 7320.00 11710.00 11710.00 #17565.00	Anter Frequency (MHz) Emission Level (dBuV/m) 4880.00 47.7 PK 4880.00 36.5 AV 7320.00 43.5 PK 7320.00 34.1 AV 11710.00 50.8 PK 11770.00 53.8 PK #17565.00 42.5 AV	Antenna Polarity Frequency (MHz) Emission Level (dBuV/m) Limit (dBuV/m) 4880.00 47.7 PK 74.0 4880.00 36.5 AV 54.0 7320.00 43.5 PK 74.0 7320.00 34.1 AV 54.0 11710.00 50.8 PK 74.0 11770.00 40.6 AV 54.0 #17565.00 53.8 PK 88.2 #17565.00 42.5 AV 68.2	Antenna Polarity & Test Dist Frequency (MHz) Emission Level (dBuV/m) Limit (dBuV/m) Margin (dB) 4880.00 47.7 PK 74.0 -26.3 4880.00 36.5 AV 54.0 -17.5 7320.00 43.5 PK 74.0 -30.5 7320.00 34.1 AV 54.0 -19.9 11710.00 50.8 PK 74.0 -23.2 11710.00 40.6 AV 54.0 -13.4 #17565.00 53.8 PK 88.2 -34.4 #17565.00 42.5 AV 68.2 -25.7	Antenna Polarity & Test Distance : Horiz Frequency (MHz) Emission Level (dBuV/m) Limit (dBuV/m) Margin (dB) Antenna Height (dB) 4880.00 47.7 PK 74.0 -26.3 1.30 H 4880.00 36.5 AV 54.0 -17.5 1.30 H 7320.00 43.5 PK 74.0 -30.5 2.43 H 7320.00 34.1 AV 54.0 -19.9 2.43 H 11710.00 50.8 PK 74.0 -23.2 3.33 H 11710.00 40.6 AV 54.0 -13.4 3.33 H #17565.00 53.8 PK 88.2 -34.4 2.82 H #17565.00 42.5 AV 68.2 -25.7 2.82 H	Antenna Polarity & Test Distance : Horizontal at 3 n Frequency (MHz) Emission Level (dBuV/m) Limit (dBuV/m) Margin (dB) Antenna Height (dB) Table Angle (Degree) 4880.00 47.7 PK 74.0 -26.3 1.30 H 127 4880.00 36.5 AV 54.0 -17.5 1.30 H 127 7320.00 43.5 PK 74.0 -30.5 2.43 H 37 7320.00 34.1 AV 54.0 -19.9 2.43 H 37 11710.00 50.8 PK 74.0 -23.2 3.33 H 189 11710.00 40.6 AV 54.0 -13.4 3.33 H 189 11710.00 40.6 AV 54.0 -13.4 2.82 H 116 #17565.00 53.8 PK 88.2 -34.4 2.82 H 116	Anterna Polarity & Test Distance : Horizontal at 3 m Frequency (MHz) Emission Level (dBuV/m) Limit (dBuV/m) Margin (dB) Antenna Height (dB) Table Angle (Degree) Raw Value (dBuV) 4880.00 47.7 PK 74.0 -26.3 1.30 H 127 47.9 4880.00 36.5 AV 54.0 -17.5 1.30 H 127 36.7 7320.00 43.5 PK 74.0 -30.5 2.43 H 37 37.2 7320.00 34.1 AV 54.0 -19.9 2.43 H 37 27.8 11710.00 50.8 PK 74.0 -23.2 3.33 H 189 39.6 11710.00 40.6 AV 54.0 -13.4 3.33 H 189 29.4 #17565.00 53.8 PK 88.2 -34.4 2.82 H 116 35.7 #17565.00 42.5 AV 68.2 -25.7 2.82 H 116 24.4	

Antenna Polarity & Test Distance : Vertical at 3 m Emission Table Raw Correction Antenna Frequency Limit Margin No Level Height Angle Value Factor (MHz) (dBuV/m) (dB) (dBuV/m) (dBuV) (dB/m) (m) (Degree) 1 4880.00 47.6 PK 74.0 -26.4 3.06 V 111 47.8 -0.2 4880.00 40.0 AV 54.0 -14.0 3.06 V 111 40.2 -0.2 2 43.3 PK 74.0 -30.7 2.58 V 37.0 3 7320.00 54 6.3 4 7320.00 33.8 AV 54.0 -20.2 2.58 V 54 27.5 6.3 53.6 PK 74.0 -20.4 360 5 11710.00 3.48 V 42.4 11.2 6 11710.00 43.4 AV 54.0 -10.6 3.48 V 360 32.2 11.2 7 #17565.00 54.0 PK 88.2 -34.2 2.29 V 299 35.9 18.1 #17565.00 44.2 AV 68.2 -24.0 299 8 2.29 V 26.1 18.1

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.



Below 1GHz Data:

FREQUENCY RANGE	9kHz ~ 1GHz	DETECTOR FUNCTION	Quasi-Peak (QP)
-----------------	-------------	----------------------	-----------------

	Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)	
1	30.56	32.8 QP	40.0	-7.2	1.50 H	139	46.5	-13.7	
2	48.12	27.8 QP	40.0	-12.2	1.50 H	294	40.4	-12.6	
3	95.71	27.9 QP	43.5	-15.6	1.50 H	252	45.5	-17.6	
4	159.91	32.3 QP	43.5	-11.2	1.00 H	264	44.3	-12.0	
5	199.01	38.2 QP	43.5	-5.3	1.00 H	327	53.2	-15.0	
6	233.48	37.3 QP	46.0	-8.7	1.00 H	208	51.1	-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 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.



FRE	EQUENCY R	ANGE 9k	Hz ~ 1GHz		DETECTOR FUNCTION		Quasi-Peak (QP)	
	Antenna Polarity & Test Distance : Vertical at 3 m							
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	36.48	35.9 QP	40.0	-4.1	1.50 V	134	49.4	-13.5
2	45.29	31.2 QP	40.0	-8.8	1.00 V	51	43.8	-12.6
3	99.88	30.6 QP	43.5	-12.9	1.00 V	143	47.3	-16.7
4	130.78	29.5 QP	43.5	-14.0	1.00 V	183	42.7	-13.2
5	198.50	32.2 QP	43.5	-11.3	1.00 V	238	47.2	-15.0
6	234.45	27.8 QP	46.0	-18.2	1.50 V	103	41.5	-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 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.





4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)				
Frequency (MHZ)	Quasi-peak	Average			
0.15 - 0.5	66 - 56	56 - 46			
0.50 - 5.0	56	46			
5.0 - 30.0	60	50			

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Test Receiver R&S	ESCS 30	847124/029	2021/10/13	2022/10/12
LISN R&S	ESH3-Z5	848773/004	2021/10/29	2022/10/28
LISN R & S	ESH3-Z5	835239/001	2021/3/26	2022/3/25
50 ohms Terminator	50	3	2021/10/27	2022/10/26
RF Coaxial Cable JYEBO	5D-FB	COCCAB-001	2021/9/25	2022/9/24
Fixed attenuator STI	STI02-2200-10	005	2021/8/27	2022/8/26
Software BVADT	BVADT_Cond_V7. 3.7.4	NA	NA	NA

Note: 1. The test was performed in Conduction 1.

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: 2022/1/11



4.2.3 Test Procedures

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit 20dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



Note: 1.Support units were connected to second LISN.

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

4.2.6 EUT Operating Conditions

Same as 4.1.6.



4.2.7 Test Results

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Line (L)										
No	Frequency	Correction Factor	Reading Value Emission Level (dBuV) (dBuV)		Limit (dBuV)		Margin (dB)			
	(MHz)	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16958	10.07	34.35	7.11	44.42	17.18	64.98	54.98	-20.56	-37.80
2	0.25540	10.09	22.44	-1.57	32.53	8.52	61.58	51.58	-29.05	-43.06
3	0.43584	10.11	22.76	4.21	32.87	14.32	57.14	47.14	-24.27	-32.82
4	16.46463	11.29	28.46	26.79	39.75	38.08	60.00	50.00	-20.25	-11.92
5	21.16740	11.60	34.49	34.11	46.09	45.71	60.00	50.00	-13.91	-4.29
6	25.87178	11.72	31.92	31.08	43.64	42.80	60.00	50.00	-16.36	-7.20

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.

2. The emission levels of other frequencies were very low against the limit.

3. Margin value = Emission level - Limit value

4. Correction factor = Insertion loss + Cable loss

5. Emission Level = Correction Factor + Reading Value



Phase Neutral (N)			Det	Detector Function Quasi-Peak (QP) / Average (AV)				1		
Phase Of Power : Neutral (N)										
No	Frequency	Correction Factor	Readin (dB	g Value SuV)	Emissi (dE	Emission Level L (dBuV) (d		nit Margin uV) (dB)		[.] gin B)
	(MHz)	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17250	10.06	36.61	12.38	46.67	22.44	64.84	54.84	-18.17	-32.40
2	0.26159	10.09	23.54	0.79	33.63	10.88	61.38	51.38	-27.75	-40.50
3	0.51439	10.10	20.28	4.29	30.38	14.39	56.00	46.00	-25.62	-31.61
4	1.22861	10.16	22.31	7.50	32.47	17.66	56.00	46.00	-23.53	-28.34
5	21.16771	11.29	25.75	24.37	37.04	35.66	60.00	50.00	-22.96	-14.34
6	25.87141	11.35	25.49	25.29	36.84	36.64	60.00	50.00	-23.16	-13.36

Remarks:

- 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2. The emission levels of other frequencies were very low against the limit.
- 3. Margin value = Emission level Limit value
- 4. Correction factor = Insertion loss + Cable loss
- 5. Emission Level = Correction Factor + Reading Value





4.3 Conducted Out of Band Emission Measurement

4.3.1 Limits of Conducted Out of Band Emission Measurement

Below 20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.3.2 Test Setup



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedures

MEASUREMENT PROCEDURE REF

- 1. Set the RBW = 100 kHz.
- 2. Set the VBW \ge 300 kHz.
- 3. Detector = peak.
- 4. Sweep time = auto couple.
- 5. Trace mode = max hold.
- 6. Allow trace to fully stabilize.
- 7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOBE

- 1. Set RBW = 100 kHz.
- 2. Set VBW ≥ 300 kHz.
- 3. Detector = peak.
- 4. Sweep = auto couple.
- 5. Trace Mode = max hold.
- 6. Allow trace to fully stabilize.
- 7. Use the peak marker function to determine the maximum amplitude level.
- 4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

4.3.7 Test Results

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement.



5.9GHz_802.11ax (HE80) CH171 + BT-LE 2M_CH19

	KBW 100 KHZ	[11] MP VIEW	Marker 1 [T1]
Ref 21 5 dBm Att 20 dB	SWT 400 ms		-56.78 dBm
21.5- Offeret 11 5 dB			Marker 2 IT11
02186111.5 00			12.41 dBm
10- D112.41 dBm			2.43819 GHz
4			Marker 3 [T1]
+			-52.56 dBm
0-			4.73040 GHZ
D2 -7 59 d8m			2.78 dBm
-10-			5.84563 GHz
			Marker 5 [T1]
20_			-29.48 dBm
-20			5.81556 612
-30-			
-40 -		مقادر .	
		California and	
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5 Pictures of Test Arrangements

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



Appendix – Information of the Testing Laboratories

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

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

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Email: <u>service.adt@tw.bureauveritas.com</u> Web Site: <u>www.bureauveritas-adt.com</u>

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

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