

FCC Radio Test Report (Spot Check Verification)

FCC ID: SI5VRE3000

This report concerns: Class II Permissive Change

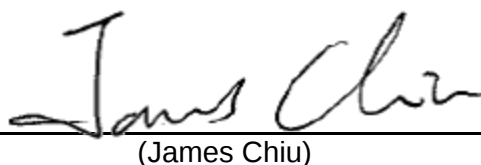
Project No. : 1807T004B
Equipment : Verizon 5G Home Wi-Fi Extender
Test Model : VRE3000
Series Model : N/A
Applicant : U-MEDIA Communications, Inc.
Address : 9F, No.1, Jin-shan 7th St. Hsinchu Taiwan

Date of Receipt : Feb. 20, 2019
Date of Test : Feb. 20, 2019 ~ Apr. 03, 2019
Issued Date : Apr. 08, 2019
Tested by : BTL Inc.

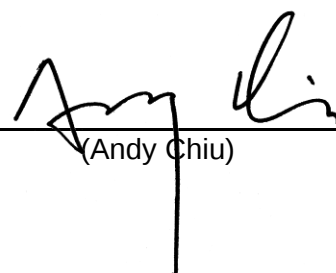
Testing Engineer :


(Tim Lee)

Technical Manager :


(James Chiu)

Authorized Signatory :


(Andy Chiu)

B T L I N C .

No.18, Ln. 171, Sec. 2, Jiuzong Rd.,
Neihu Dist., Taipei City 114, Taiwan (R.O.C.)
TEL: +886-2-2657-3299 FAX: +886-2-2657-3331



Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

The report must not be used by the client to claim product certification, approval, or endorsement by NIST, A2LA, or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue. This is a supplementary report to the original test report (BTL-FCCP-1-1807T004, FCC ID: SI5VRE3000). The difference compared with original report is changed power amplifier component from SKY85728-11 to AP5519.	Mar. 25, 2019
R01	Revised report to address TCB's comments.	Apr. 03, 2019
R02	Revised typo.	Apr. 08, 2019

1 CERTIFICATION

Equipment : Verizon 5G Home Wi-Fi Extender
Brand Name : Verizon
Test Model : VRE3000
Series Model : N/A
Applicant : U-MEDIA Communications, Inc.
Manufacturer : U-MEDIA Communications, Inc.
Address : No. 90, Kuang Fu Nth.Rd., Hsinchu Industrial Park, Hu Kou, Hsinchu, 303,
Taiwan
Date of Test : Feb. 20, 2019 ~ Apr. 03, 2019
Test Sample : Engineering Sample
Standard(s) : FCC Part15, Subpart C (§15.247)
ANSI C63.10-2013

The above equipment has been tested and found in compliance with the requirement of the relative standards by BTL Inc.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1807T004B) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO/IEC 17025 quality assessment standard and technical standard(s).

Test results included in this report is only for the WLAN 2.4 GHz part.

2 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

FCC Part15, Subpart C (§15.247)				
FCC Clause No	Description	Test Result	Judgement	Remark
§15.205 §15.209 §15.247(d)	Radiated Emissions	APPENDIX A APPENDIX B	Pass	NOTE (2)(4)
§15.247(b)	Peak Output Power	APPENDIX C	Pass	NOTE (2)(4)

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) This is a supplementary report to the original test report (BTL-FCCP-1-1807T004, FCC ID: SI5VRE3000). The difference compared with original report is changed power amplifier component from SKY85728-11 to AP5519.
Declared by manufacturer, the power amplifiers are electrically and functionally identical. Only the model name is different.
- (3) The spot check test channels were verified based on the worst channel results reported in the original FCC ID filing test report (BTL-FCCP-1-1807T004).
Radiated Emissions and Peak Output Power tests were criticized and reconfirmed in this report.
- (4) After spot check, this revision does not change original radio parameters.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

CB15: (VCCI RN: R-20020; FCC RN:674415; FCC DN:TW0659)

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

2.2 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. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{CISPR} requirement.

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

A. Radiated emissions below 1 GHz test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U (dB)
CB15 (3m)	CISPR	30 MHz ~ 200 MHz	V	4.20
		30 MHz ~ 200 MHz	H	3.64
		200 MHz ~ 1,000 MHz	V	4.56
		200 MHz ~ 1,000 MHz	H	3.90

B. Radiated emissions above 1 GHz test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U (dB)
CB15 (3m)	CISPR	1 GHz ~ 6 GHz	V	4.46
		1 GHz ~ 6 GHz	H	4.40
		6 GHz ~18 GHz	V	3.88
		6 GHz ~18 GHz	H	4.00

Test Site	Method	Measurement Frequency Range	U (dB)
CB15 (1m)	CISPR	18 GHz ~ 26.5 GHz	4.62
		26.5 GHz ~ 40 GHz	5.12

NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above. These are our U_{lab} values in CISPR 16-4-2 terminology.

Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called U_{CISPR} , as follows:

Conducted Disturbance (mains port) – 150 kHz – 30 MHz : 3.6 dB

Radiated Disturbance (electric field strength on an open area test site or alternative test site) – 30 MHz – 1000 MHz : 5.2 dB

3 GENERAL INFORMATION

3.1 DESCRIPTION OF EUT

Equipment	Verizon 5G Home Wi-Fi Extender				
Brand Name	Verizon				
Test Model	VRE3000				
Series Model	N/A				
Model Difference	N/A				
Power Source	DC Voltage supplied from AC/DC adapter.				
Power Rating	#1 Ktec / KSA-24W-120200HU I/P: 100-240V~50/60Hz, 0.6A O/P: 12V 2.0A #2 UMEC / UP0251M-12PA I/P: 100-240V~50/60Hz, 0.6A MAX O/P: +12V 2A, 24W MAX				
Product Specification	Frequency Range	2400 MHz to 2483.5 MHz			
	Operation Frequency	2412 MHz to 2462 MHz			
	Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM			
	Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps			
	Maximum Output Power	IEEE 802.11b: 23.24 dBm (0.2111 W) IEEE 802.11g: 26.83 dBm (0.4815 W) IEEE 802.11n (HT20): 26.06 dBm (0.4034 W) IEEE 802.11n (HT40): 26.09 dBm (0.4068 W)			
	RF Chips	The EUT contains two RF Chips which functions are as below			
		Chip	2.4 GHz	5 GHz	Chains
		MT7615N	NO	YES UNII-1 UNII-2A	4T4R
		MT7615DN	YES	YES UNII-2C UNII-3	2T2R
Product Covered	2 * Adapter: (1) Ktec / KSA-24W-120200HU (2) UMEC / UP0251M-12PA				

NOTE:

(1) For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

(2) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

(3) Table for Filed Antenna:

Group 1:

Ant.	Brand	Model	Type	Connector	Gain (dBi)
JC6	Galtronics	02102140-06808Ax	PCB	iPEX	2.9
JC7	Galtronics	02102140-06808Ax	PCB	iPEX	2.9

Group 2:

Ant.	Brand	Model	Type	Connector	Gain (dBi)
JC6	Galtronics	02102140-06808Bx	PCB	iPEX	1.1
JC7	Galtronics	02102140-06808Bx	PCB	iPEX	1.1

NOTE:

- (a) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R). 2.4 GHz and 5GHz can transmit simultaneously.
- (b) For Conducted Output Power (CDD mode)
 For $N_{ANT} = 2 < 5$,
 Direction gain = $G_{ANT} + 0 = 2.9 + 0 = 2.9$ dBi .
 The Direction gain is less than 6 dBi, so conducted power limits will not be reduced.
- (c) The WLAN 2.4 GHz does not support beamforming function.

3.2 TEST MODES

Radiated emissions test	
Test Mode	Description
1	TX N (HT20) MODE CHANNEL 01

NOTE:

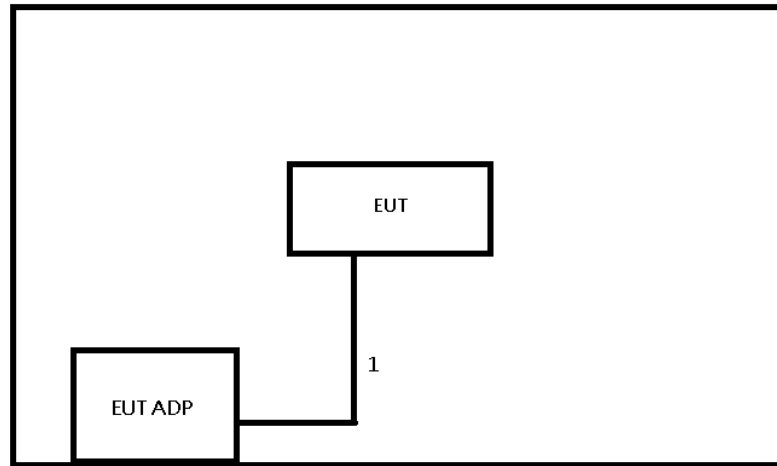
- (1) The spot check test channels were verified based on the worst channel results reported in the original FCC ID filing test report (BTL-FCCP-1-1807T004).
- (2) Due to the measured conducted powers are lower than the originals, the Radiated emissions test were verified based on the worst band edge test results reported in the original report.

3.3 PARAMETERS OF TEST SOFTWARE

Test Software	QATool(0.0.1.85)			
Mode	2412 MHz	2437 MHz	2462 MHz	Data Rate
IEEE 802.11b	19	1A	1B	1 Mbps
IEEE 802.11g	1F	21	1D	6 Mbps
IEEE 802.11n (HT20)	1A	1D	1C	MCS 0
Mode	2422 MHz	2437 MHz	2452 MHz	Data Rate
IEEE 802.11n (HT40)	16	1F	1A	MCS 0

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 3.5.



3.5 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
-	-	-	-	-	-

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	NO	NO	1.5 m	Power Cable	Supplied by test requester

4 RADIATED EMISSIONS TEST

4.1 LIMIT

In case the emission fall within the restricted band specified on §15.205, then the §15.209 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Frequency (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
960~1000	500	3

LIMITS OF RADIATED EMISSIONS MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Radiated Emissions (dBuV/m)		Measurement Distance (meters)
	Peak	Average	
Above 1000	74	54	3

NOTE:

- (1) The limit for radiated test was performed according to FCC Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average

Spectrum Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

4.2 TEST PROCEDURE

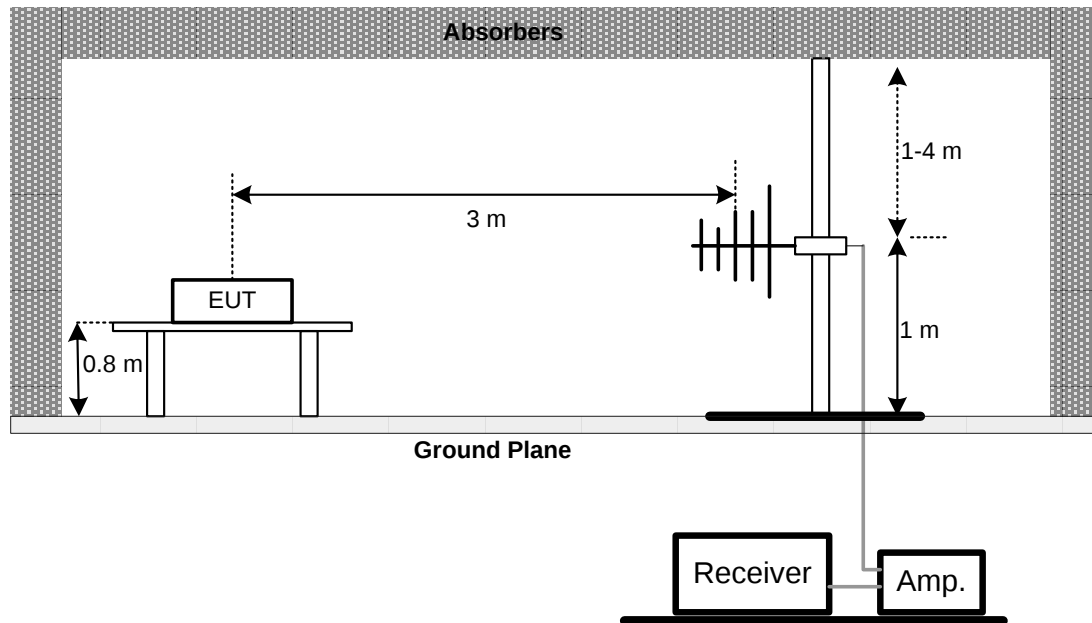
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, the height of the test antenna shall vary between 1 m to 4 m. 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 find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.3 DEVIATION FROM TEST STANDARD

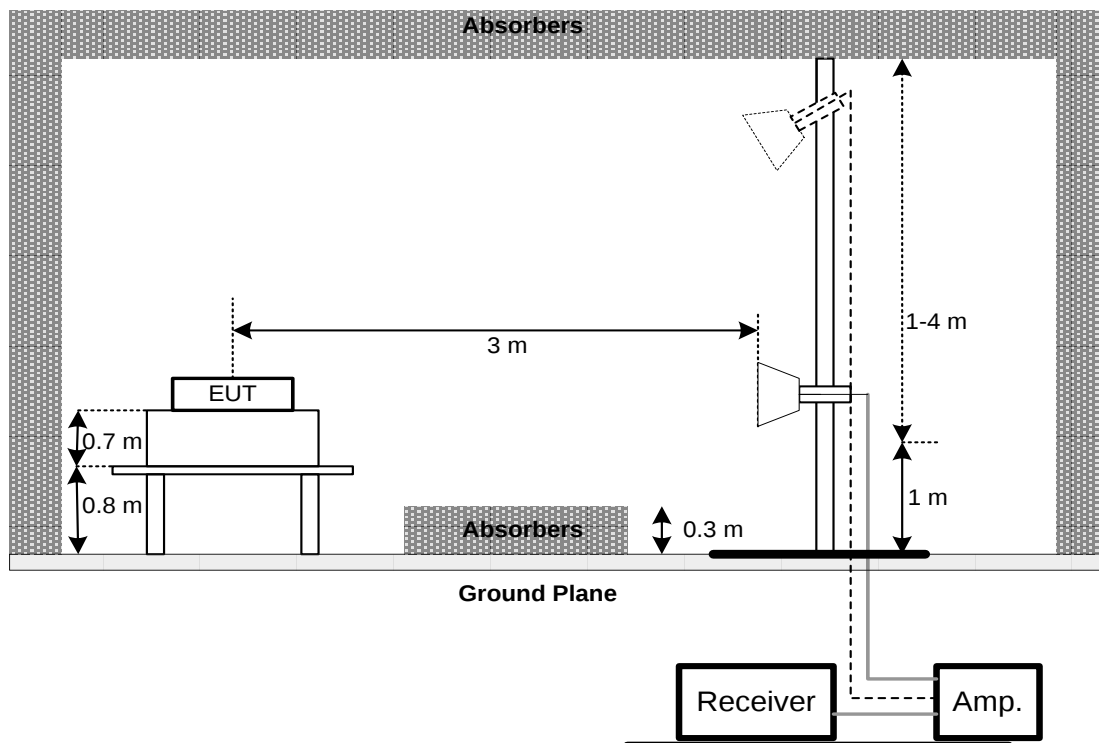
No deviation.

4.4 TEST SETUP

30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT – 30 MHZ TO 1 GHZ

Temperature: 23 °C Relative Humidity: 70 % Test Voltage: AC 120V/50Hz

Please refer to the APPENDIX A.

4.7 TEST RESULT – ABOVE 1 GHZ

Temperature: 23 °C Relative Humidity: 70 % Test Voltage: AC 120V/50Hz

Please refer to the APPENDIX B.

NOTE:

- (1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5 PEAK OUTPUT POWER TEST

5.1 LIMIT

FCC Part15, Subpart C (§15.247)		
Section	Test Item	Limit
§15.247(b)	Maximum Output Power	1 Watt or 30dBm

5.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance.

5.3 DEVIATION FROM TEST STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULT

Please refer to the APPENDIX C.

6 LIST OF MEASURING EQUIPMENTS

Radiated Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Preamplifier	EMCI	012645B	980267	Apr. 14, 2019
2	Preamplifier	EMCI	EMC02325	980217	Apr. 14, 2019
3	Preamplifier	EMCI	EMC2654045	980030	Apr. 14, 2019
4	Test Cable	EMCI	EMC104-SM-SM-8000	8m	Apr. 14, 2019
5	Test Cable	EMCI	EMC104-SM-SM-800	150207	Apr. 14, 2019
6	Test Cable	EMCI	EEMC104-SM-SM-3000	151205	Apr. 14, 2019
7	MXE EMI Receiver	Agilent	N9038A	MY55420127	Jan. 26, 2020
8	Signal Analyzer	Agilent	N9010A	MY52220990	Apr. 16, 2019
9	Loop Ant	EMCI	LPA600	274	Aug. 05, 2019
10	Horn Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	May 03, 2019
11	Horn Ant	Schwarzbeck	BBHA 9170	187	Dec. 25, 2019
12	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-548	Mar. 21, 2020
13	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0623	Mar. 21, 2020

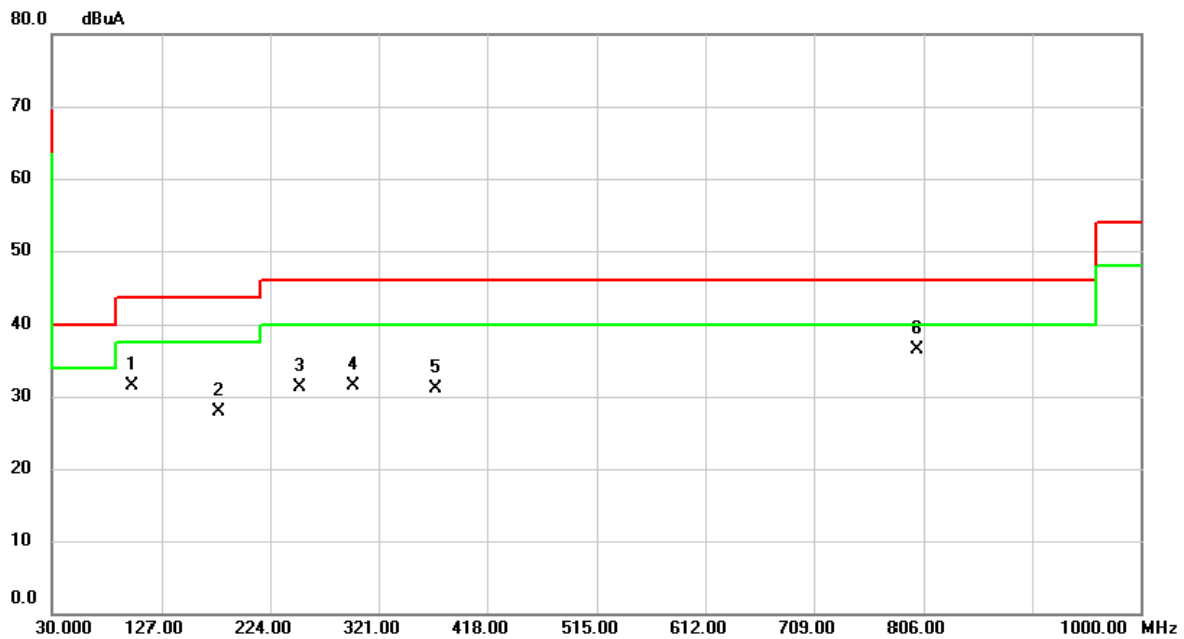
Peak Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2495A	1128008	Aug. 15, 2019
2	Power Sensor	Anritsu	MA2411B	1126001	Aug. 15, 2019

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.
All calibration period of equipment list is one year.

APPENDIX A RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

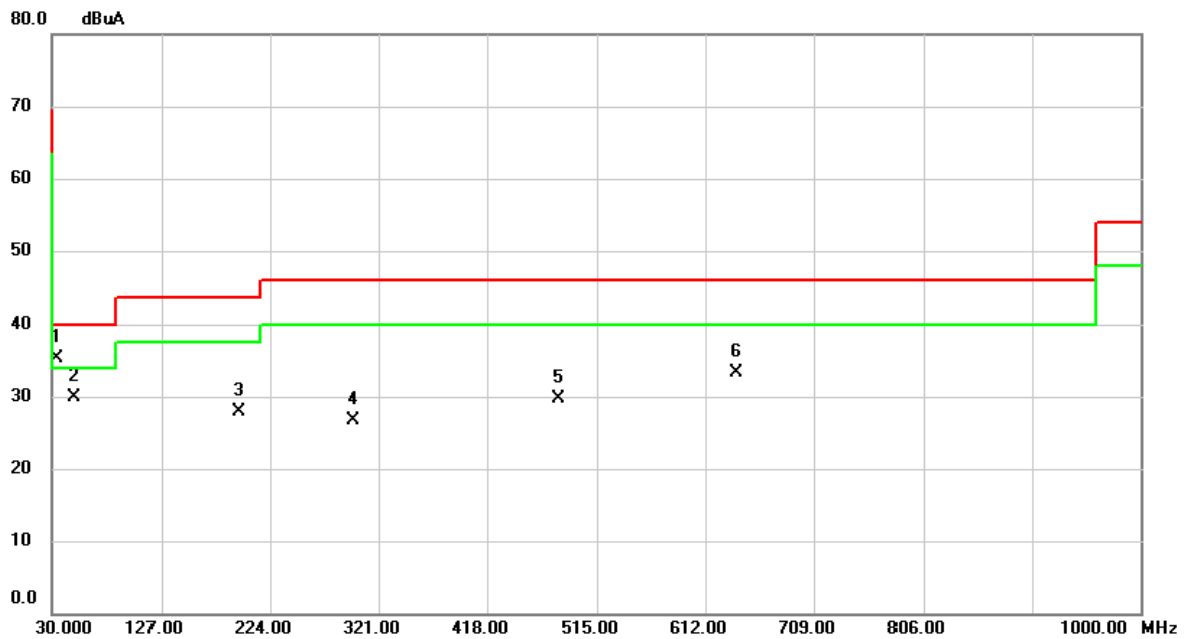
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Test Mode	TX N (HT20) MODE CHANNEL 01	Polarization	Vertical
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No.	Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1		101.7800	44.06	-12.61	31.45	43.50	-12.05	QP	
2		177.4400	37.55	-9.69	27.86	43.50	-15.64	QP	
3		250.1900	40.31	-9.10	31.21	46.00	-14.79	QP	
4		297.7200	39.04	-7.56	31.48	46.00	-14.52	QP	
5		371.4400	36.84	-5.72	31.12	46.00	-14.88	QP	
6	*	800.1800	33.39	3.06	36.45	46.00	-9.55	QP	

Test Mode	TX N (HT20) MODE CHANNEL 01	Polarization	Horizontal
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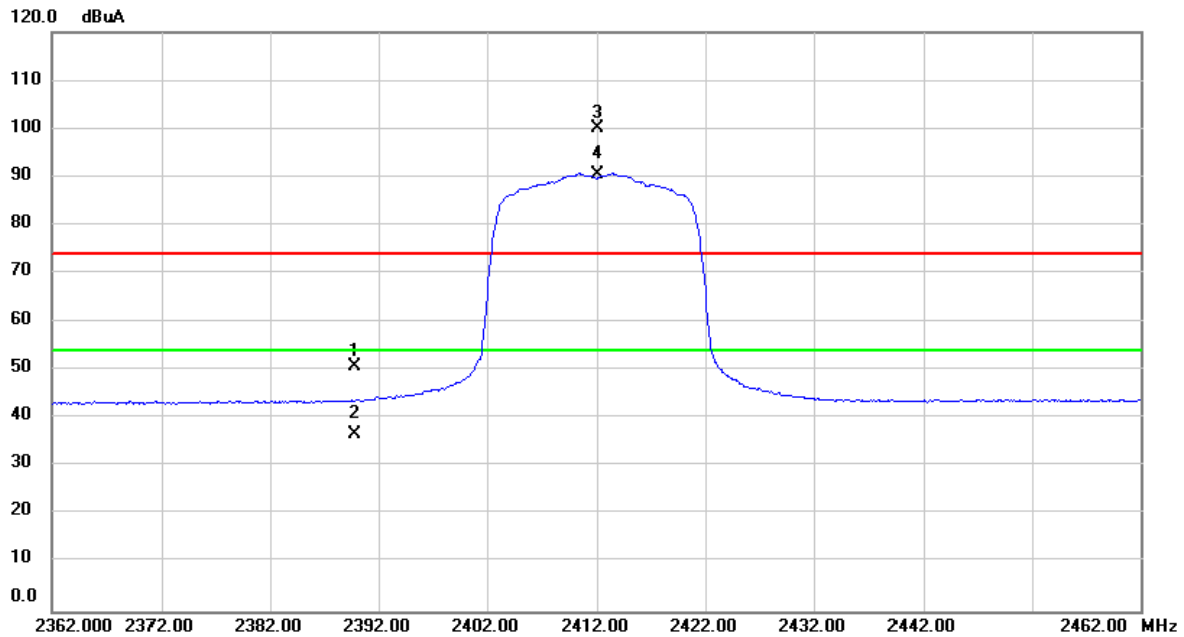


No.	Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1	*	33.8800	44.32	-9.02	35.30	40.00	-4.70	QP	
2		50.3700	37.95	-8.07	29.88	40.00	-10.12	QP	
3		195.8700	38.83	-10.86	27.97	43.50	-15.53	QP	
4		297.7200	34.28	-7.56	26.72	46.00	-19.28	QP	
5		480.0800	33.03	-3.27	29.76	46.00	-16.24	QP	
6		640.1300	33.27	0.07	33.34	46.00	-12.66	QP	

APPENDIX B RADIATED EMISSIONS - ABOVE 1 GHZ

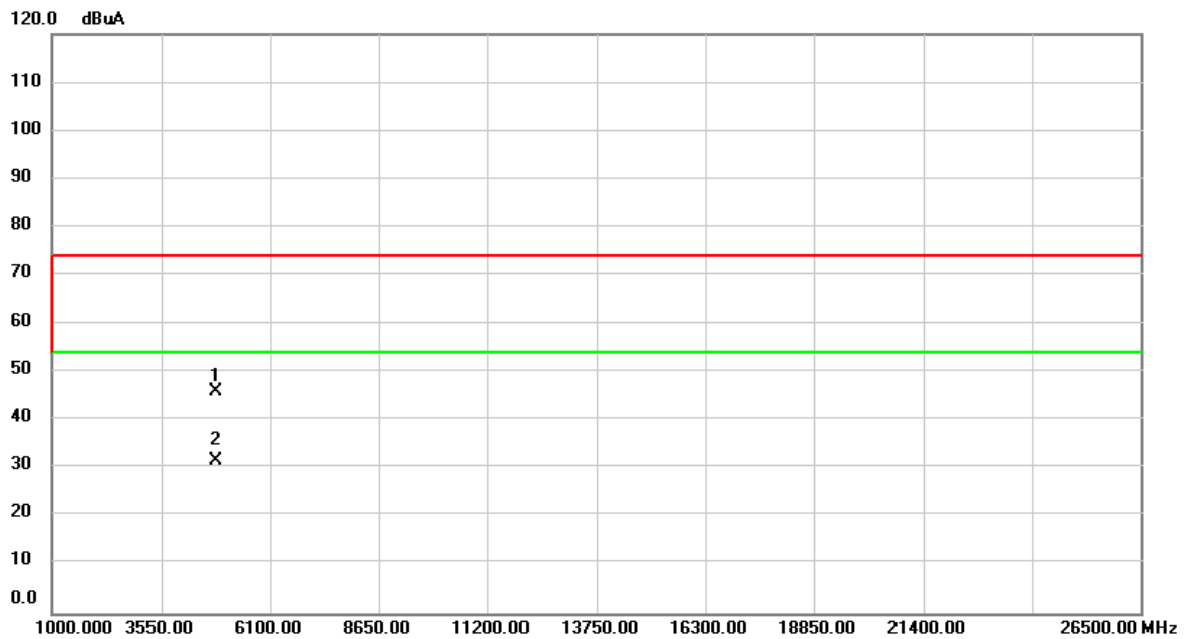
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Test Mode	TX N (HT20) MODE CHANNEL 01	Polarization	Vertical
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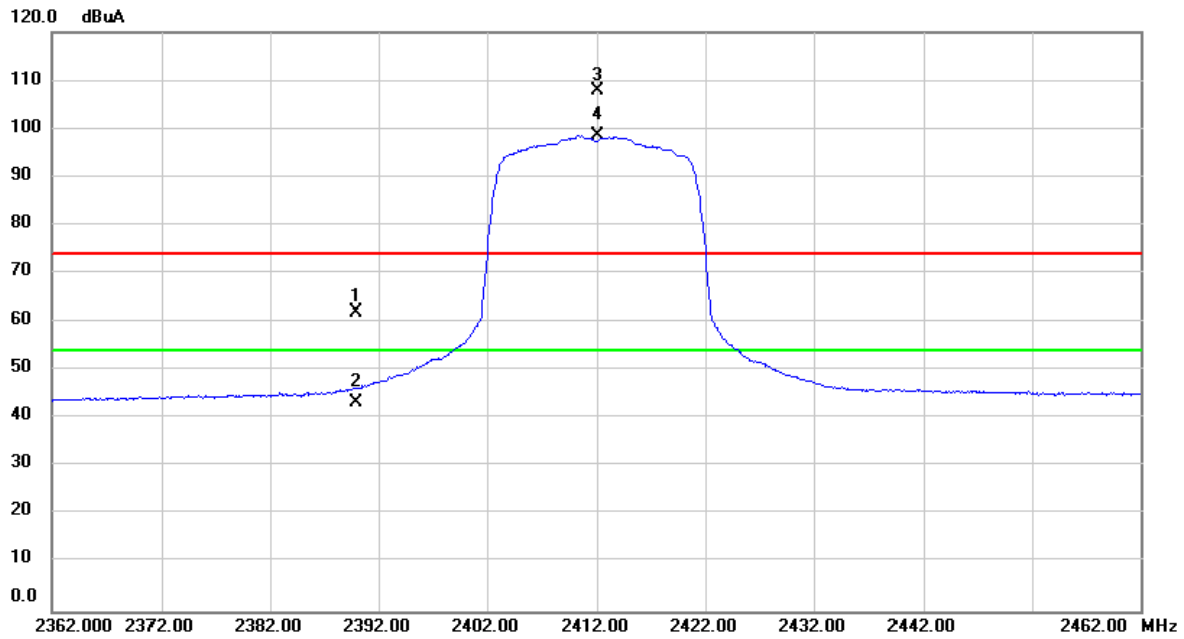
No.	Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1		2389.804	19.84	30.86	50.70	74.00	-23.30	peak	
2		2389.804	5.80	30.86	36.66	54.00	-17.34	AVG	
3	X	2412.000	69.17	30.94	100.11	74.00	26.11	peak	No Limit
4	*	2412.000	59.66	30.94	90.60	54.00	36.60	AVG	No Limit

Test Mode	TX N (HT20) MODE CHANNEL 01	Polarization	Vertical
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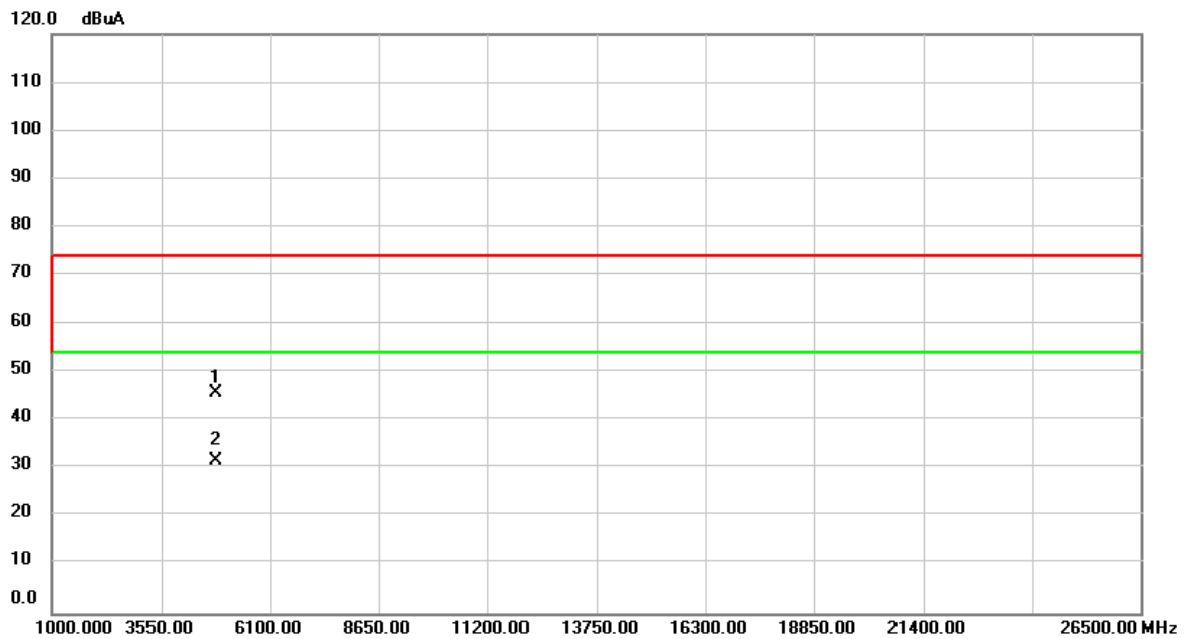
No.	Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1		4824.000	57.51	-11.58	45.93	74.00	-28.07	peak	
2	*	4824.000	43.23	-11.58	31.65	54.00	-22.35	AVG	

Test Mode	TX N (HT20) MODE CHANNEL 01	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1		2389.972	30.97	30.86	61.83	74.00	-12.17	peak	
2		2389.972	12.55	30.86	43.41	54.00	-10.59	AVG	
3	X	2412.000	76.81	30.94	107.75	74.00	33.75	peak	No Limit
4	*	2412.000	67.52	30.94	98.46	54.00	44.46	AVG	No Limit

Test Mode	TX N (HT20) MODE CHANNEL 01	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1		4824.000	57.36	-11.58	45.78	74.00	-28.22	peak	
2	*	4824.000	43.22	-11.58	31.64	54.00	-22.36	AVG	

APPENDIX C PEAK OUTPUT POWER

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Test Mode	IEEE 802.11b_ANT 1
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.68	0.0929	30.00	1.0000	Complies
2437	20.45	0.1109	30.00	1.0000	Complies
2462	20.78	0.1197	30.00	1.0000	Complies

Test Mode	IEEE 802.11b_ANT 2
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.14	0.0652	30.00	1.0000	Complies
2437	19.36	0.0863	30.00	1.0000	Complies
2462	19.61	0.0914	30.00	1.0000	Complies

Test Mode	IEEE 802.11b_Total
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.99	0.1581	30.00	1.0000	Complies
2437	22.95	0.1972	30.00	1.0000	Complies
2462	23.24	0.2111	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_ANT 1
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.11	0.2046	30.00	1.0000	Complies
2437	23.91	0.2460	30.00	1.0000	Complies
2462	23.46	0.2218	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_ANT 2
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.15	0.2065	30.00	1.0000	Complies
2437	23.72	0.2355	30.00	1.0000	Complies
2462	22.76	0.1888	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_Total
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	26.14	0.4112	30.00	1.0000	Complies
2437	26.83	0.4815	30.00	1.0000	Complies
2462	26.13	0.4106	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_ANT 1
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	22.26	0.1683	30.00	1.0000	Complies
2437	23.17	0.2075	30.00	1.0000	Complies
2462	22.61	0.1824	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_ANT 2
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.65	0.1462	30.00	1.0000	Complies
2437	22.92	0.1959	30.00	1.0000	Complies
2462	22.05	0.1603	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_Total
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	24.98	0.3145	30.00	1.0000	Complies
2437	26.06	0.4034	30.00	1.0000	Complies
2462	25.35	0.3427	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_ANT 1
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	20.26	0.1062	30.00	1.0000	Complies
2437	23.34	0.2158	30.00	1.0000	Complies
2452	22.42	0.1746	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_ANT 2
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	19.82	0.0959	30.00	1.0000	Complies
2437	22.81	0.1910	30.00	1.0000	Complies
2452	21.23	0.1327	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_Total
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.06	0.2021	30.00	1.0000	Complies
2437	26.09	0.4068	30.00	1.0000	Complies
2452	24.88	0.3073	30.00	1.0000	Complies

End of Test Report