

# FCC&ISED Radio Test Report

**FCC ID: 2AEUPBHARG031**

**IC: 20271-BHARG031**

This report concerns (check one): ☐ Original Grant ☐ Class I Change ☒ Class II Change

**Project No.** : 1512T192F  
**Equipment** : Ring  
**Test Model** : Video Doorbell  
**Series Model** : N/A  
**Applicant** : Ring, Inc.  
**Address** : 1523 26th St, Santa Monica, CA 90404, USA

**Date of Receipt** : Oct. 23, 2018  
**Date of Test** : Oct. 23, 2018 ~ Nov. 08, 2018  
**Issued Date** : Mar. 20, 2019  
**Tested by** : BTL Inc.

**Testing Engineer** : Kay Wu  
(Kay Wu)

**Technical Manager** : James Chiu  
(James Chiu)

**Authorized Signatory** : Andy Chiu  
(Andy Chiu)

## **B T L I N C .**

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### **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 NVLAP, NIST, or any agency of the U.S. Government.

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**BTL's** laboratory quality assurance procedures are in compliance with the **ISO Guide 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, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements 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.

Table of Contents	Page
<b>1 . CERTIFICATION</b>	<b>5</b>
<b>2 . SUMMARY OF TEST RESULTS</b>	<b>6</b>
2.1 TEST FACILITY	7
2.2 MEASUREMENT UNCERTAINTY	7
<b>3 . GENERAL INFORMATION</b>	<b>8</b>
3.1 GENERAL DESCRIPTION OF EUT	8
3.2 DESCRIPTION OF TEST MODES	9
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	9
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	10
3.5 DESCRIPTION OF SUPPORT UNITS	10
<b>4 . EMC EMISSION TEST</b>	<b>11</b>
4.1 RADIATED EMISSION MEASUREMENT	11
4.1.1 RADIATED EMISSION LIMITS	11
4.1.2 TEST PROCEDURE	12
4.1.3 DEVIATION FROM TEST STANDARD	12
4.1.4 TEST SETUP	13
4.1.5 EUT OPERATING CONDITIONS	14
4.1.6 EUT TEST CONDITIONS	14
4.1.7 TEST RESULTS (9KHZ TO 30MHZ)	14
4.1.8 TEST RESULTS (30MHZ TO 1000 MHZ)	14
4.1.9 TEST RESULTS (ABOVE 1000 MHZ)	14
<b>5 . MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST</b>	<b>15</b>
5.1 APPLIED PROCEDURES / LIMIT	15
5.1.1 TEST PROCEDURE	15
5.1.2 DEVIATION FROM STANDARD	15
5.1.3 TEST SETUP	15
5.1.4 EUT OPERATION CONDITIONS	15
5.1.5 EUT TEST CONDITIONS	15
5.1.6 TEST RESULTS	15
<b>6 . MEASUREMENT INSTRUMENTS LIST</b>	<b>16</b>
<b>7 . EUT TEST PHOTO</b>	<b>17</b>
<b>APPENDIX A - RADIATED EMISSION (9KHZ TO 30MHZ)</b>	<b>20</b>
<b>APPENDIX B - RADIATED EMISSION (30MHZ TO 1000MHZ)</b>	<b>25</b>
<b>APPENDIX C - RADIATED EMISSION (ABOVE 1000MHZ)</b>	<b>28</b>
<b>APPENDIX D - MAXIMUM PEAK CONDUCTED OUTPUT POWER</b>	<b>33</b>

## REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue. This is a supplementary report to the original test report (BTL-FICP-1-1803001). The difference compared with original report is change bandpass filter. Only Peak Output Power and Radiated Emissions (TX B MODE Low Channel) test need to be verified and the other original test data are kept in this report.	Nov. 12, 2018
R01	Revised report to address TCB's comments.	Mar. 20, 2019

## 1. CERTIFICATION

Equipment : Ring  
Brand Name :   
Test Model : Video Doorbell  
Series Model : N/A  
Applicant : Ring, Inc.  
Manufacturer : Goldtek Technology CO.,LTD.  
Address : 16F., No166, Jian 1st Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)  
Factory : Goldtek Technology CO.,LTD.  
Address : 16F., No166, Jian 1st Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)  
Date of Test : Oct. 23, 2018 ~ Nov. 08, 2018  
Test Sample : Engineering Sample  
Standard(s) : FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013  
RSS-247 Issue 2, Feb. 2017  
RSS-GEN Issue 5, Apr. 2018

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-FICP-1-1512T192F) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C Canada RSS-247 Issue 2, Feb. 2017, RSS-GEN Issue 5, Apr. 2018				
Standard(s) Section		Test Item	Judgment	Remark
FCC	IC			
15.247(b)(3)	RSS-247 5.4 (d)	Peak Output Power	PASS	-----
15.247(d)/ 15.205/ 15.209	RSS-247 5.5	Transmitter Radiated Emissions	PASS	-----

### NOTE:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) Input power is supplied by battery.

## 2.1 TEST FACILITY

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

### Radiated emission Test (Below 1 GHz):

**CB15:** (FCC RN:674415; FCC DN:TW0659; ISED Assigned Code:20088-5)

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

### Radiated emission Test (Above 1 GHz):

**CB15:** (FCC RN:674415; FCC DN:TW0659; ISED Assigned Code:20088-5)

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  $U_{\text{CISPR}}$  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 emission test:

Test Site	Method	Measurement Frequency Range	$U$ , (dB)
CB15 (3m)	CISPR	9kHz ~ 150kHz	2.82
		150kHz ~ 30MHz	2.58

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

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

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

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above.

These are our  $U_{\text{lab}}$  values in CISPR 16-4-2 terminology.

Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called  $U_{\text{CISPR}}$ , 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

It can be seen that our  $U_{\text{lab}}$  values are smaller than  $U_{\text{CISPR}}$ .

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

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	Ring
Brand Name	ring
Test Model	Video Doorbell
Series Model	N/A
Model Difference	N/A
Power Source	#1 Supplied from USB port. #2 Supplied from Battery. Model:B15169
Power Rating	#1 DC 5V #2 3.75V 5000mAh 18.75Wh
Products Covered	1 * Battery: B15169
Operation Frequency	2412~2462 MHz
Modulation Technology	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM
Bit Rate of Transmitter	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n up to 72.2 Mbps
Output Power (Max.)	802.11b: 15.84dBm 802.11g: 17.81dBm 802.11n(20MHz): 15.56dBm

**Note:**

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. Channel List:

CH01 – CH11 for 802.11b, 802.11g, 802.11n(20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

**3. Table for Filed Antenna**

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	Goldtek	N/A	PCB	N/A	3.46
2	Goldtek	N/A	Chip	N/A	0.84

**Only “one” antenna is selected for use at any one time, through the on-board Transmit-Receive / Diversity RF switch.**



### 3.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Following mode(s) as (were) found to be the worst case(s) and selected for the final test.

Test Items	Test mode	Channel	Note
Transmitter Radiated Emissions (BELOW 1GHz)	TX B MODE	11	
Transmitter Radiated Emissions (ABOVE 1GHz)	TX B MODE	11	
Peak Output Power	TX B MODE	01/06/11	
	TX G MODE	01/06/11	
	TX N-20M MODE	01/06/11	

Note:

(1) The measurements are performed at the high, middle, low available channels.

(2) 802.11b mode: DBPSK (1Mbps)

802.11g mode: OFDM (6Mbps)

802.11n HT20 mode : BPSK (MCS 0)

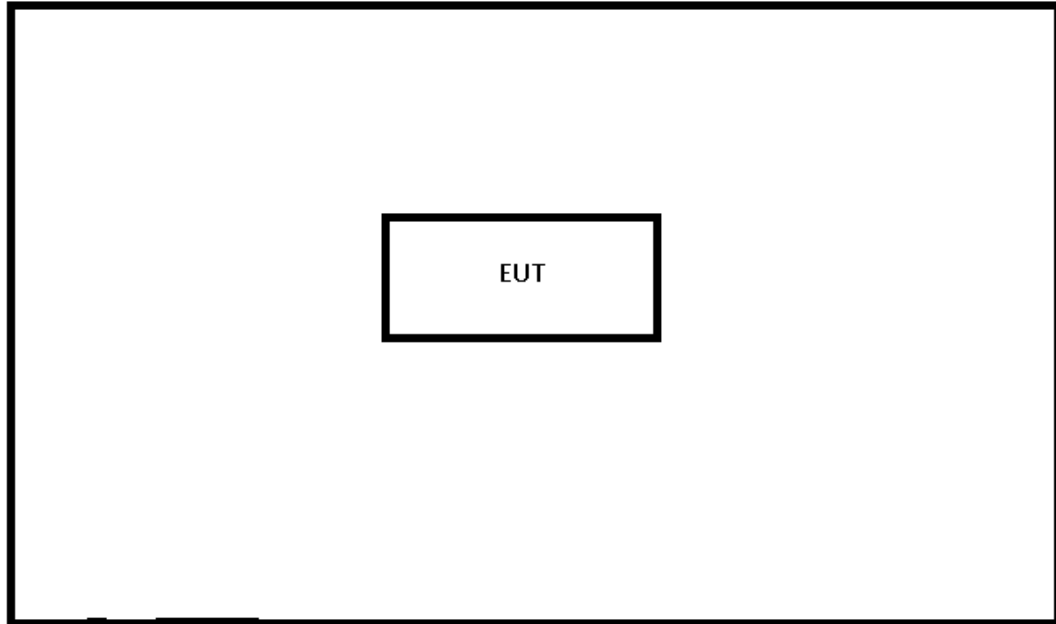
For radiated emission tests, the highest output powers were set for final test.

### 3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN

Test software version	CC3100/CC3200 Radio Tool v1.1.5686.29375		
Frequency (MHz)	2412	2437	2462
802.11b	0	0	0
802.11g	0	0	0
802.11n (20MHz)	1	1	1

### 3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



### 3.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
-	-	-	-	-

## 4. EMC EMISSION TEST

### 4.1 RADIATED EMISSION MEASUREMENT

#### 4.1.1 RADIATED EMISSION LIMITS

In case the emission fall within the restricted band specified on 15.205(a) & RSS-247 5.5, then the 15.209(a) & RSS-Gen limit in the table below has to be followed.

#### LIMITS OF RADIATED EMISSION MEASUREMENT (9KHz-1000MHz)

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 EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	(dBuV/m) (at 3 meters)	
	PEAK	AVERAGE
Above 1000	74	54

#### Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C/RSS-247.
- (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

Receiver 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

#### 4.1.2 TEST PROCEDURE

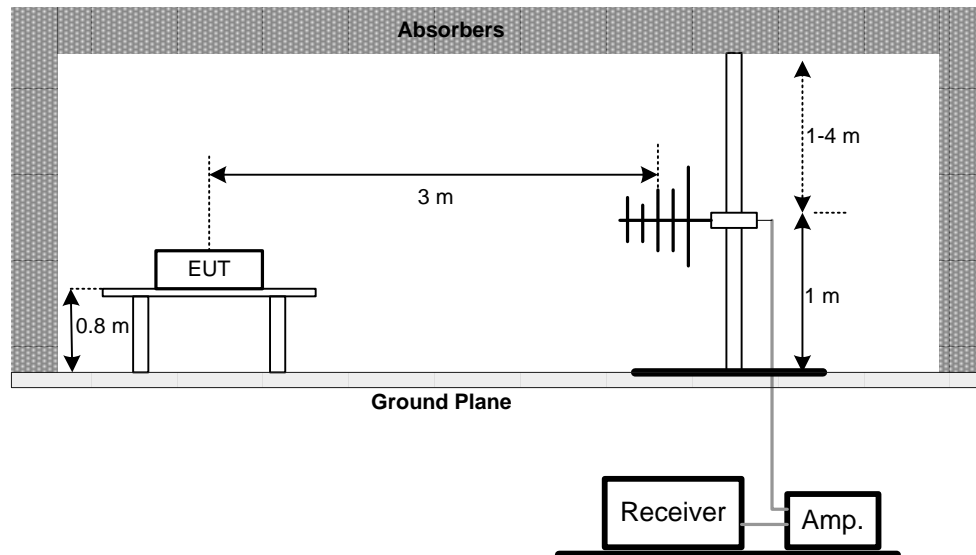
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of 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)
- The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; 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.
- 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).
- 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.
- 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.
- 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)
- 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)
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 4.1.3 DEVIATION FROM TEST STANDARD

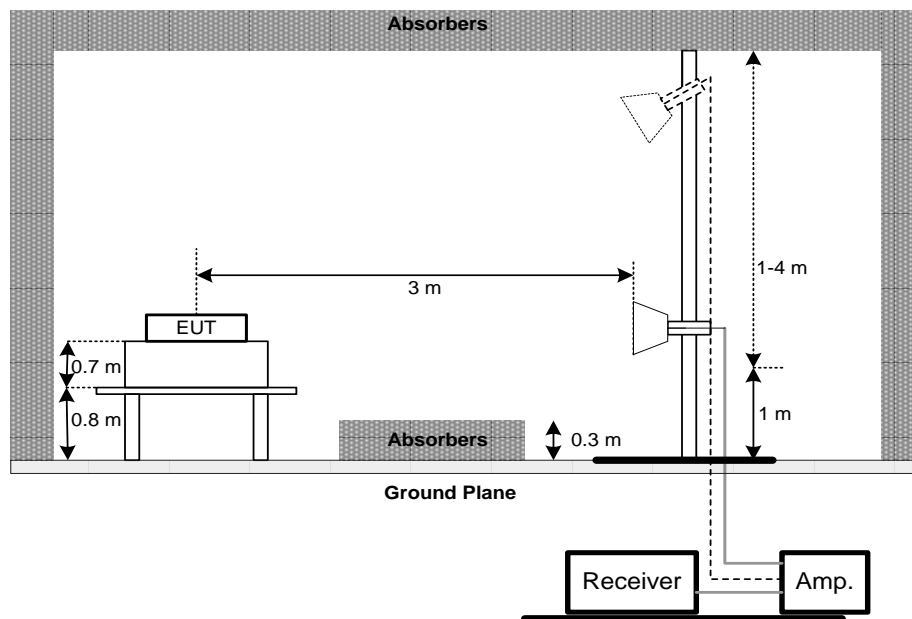
No deviation

#### 4.1.4 TEST SETUP

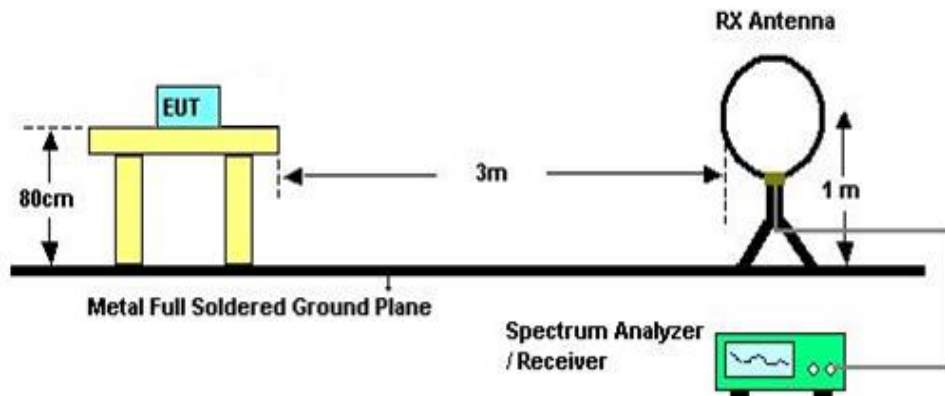
##### (A) Radiated Emission Test Set-Up Frequency Below 1 GHz



##### (B) Radiated Emission Test Set-Up Frequency Above 1 GHz Band edge



(C) For Radiated Emissions Below 30MHz



#### 4.1.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 4.1.6 EUT TEST CONDITIONS

Temperature: 25°C    Relative Humidity: 55%    Test Voltage: DC 3.6V

#### 4.1.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Appendix A.

Remark:

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

#### 4.1.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Appendix B.

#### 4.1.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Appendix C.

Remark:

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

## 5. MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST

### 5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C/ RSS-247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3) RSS-247 5.4 (d)	Maximum Output Power	1 Watt or 30dBm	2400-2483.5	PASS

#### 5.1.1 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.

#### 5.1.2 DEVIATION FROM STANDARD

No deviation.

#### 5.1.3 TEST SETUP



#### 5.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 5.1.5 EUT TEST CONDITIONS

Temperature: 25°C    Relative Humidity: 55%    Test Voltage: DC 3.6V

#### 5.1.6 TEST RESULTS

Please refer to the Appendix D.

## 6. MEASUREMENT INSTRUMENTS LIST

Radiated Emission Measurement					
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-S M-8000	8m	Apr. 14, 2019
5	Test Cable	EMCI	EMC104-SM-S M-800	150207	Apr. 14, 2019
6	Test Cable	EMCI	EEMC104-SM-S M-3000	151205	Apr. 14, 2019
7	MXE EMI Receiver	Agilent	N9038A	MY5542012 7	Jan. 27, 2019
8	Signal Analyzer	Agilent	N9010A	MY5222099 0	May 22, 2019
9	Loop Ant	EMCI	LPA600	274	May 03, 2019
10	Horn Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	May 02, 2019
11	Horn Ant	Schwarzbeck	BBHA 9170	187	Aug. 16, 2019
12	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-548	Mar. 22, 2019
13	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0623	Mar. 22, 2019

Peak Output Power Measurement					
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

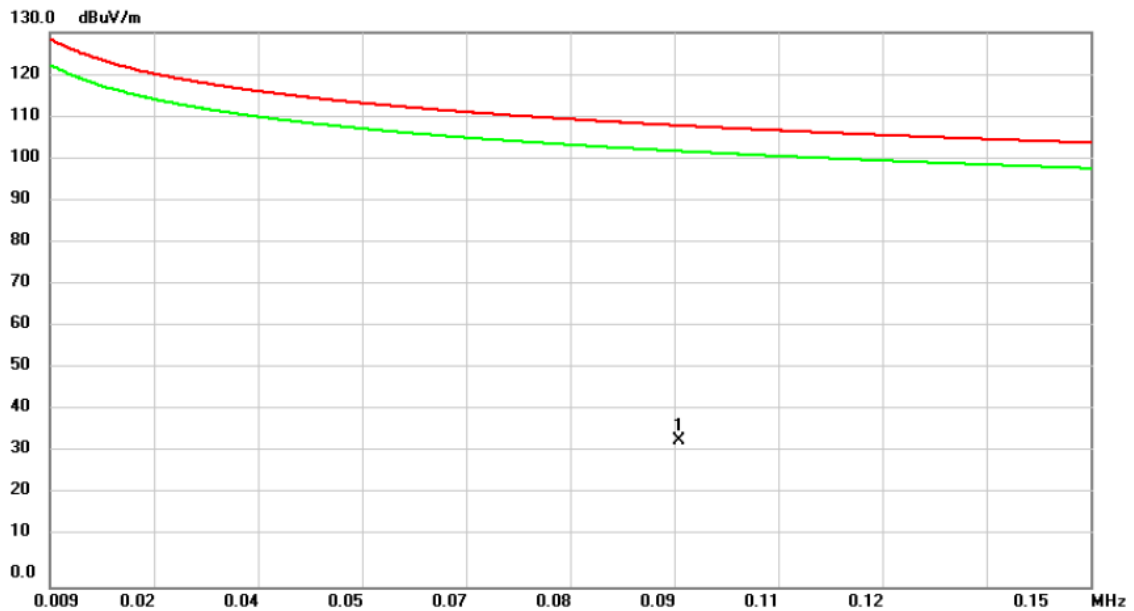
Remark: "N/A" denotes no model name, serial no. or calibration specified.  
All calibration period of equipment list is one year.



## APPENDIX A - RADIATED EMISSION (9KHZ TO 30MHZ)

Test Mode: TX B MODE 2462MHz

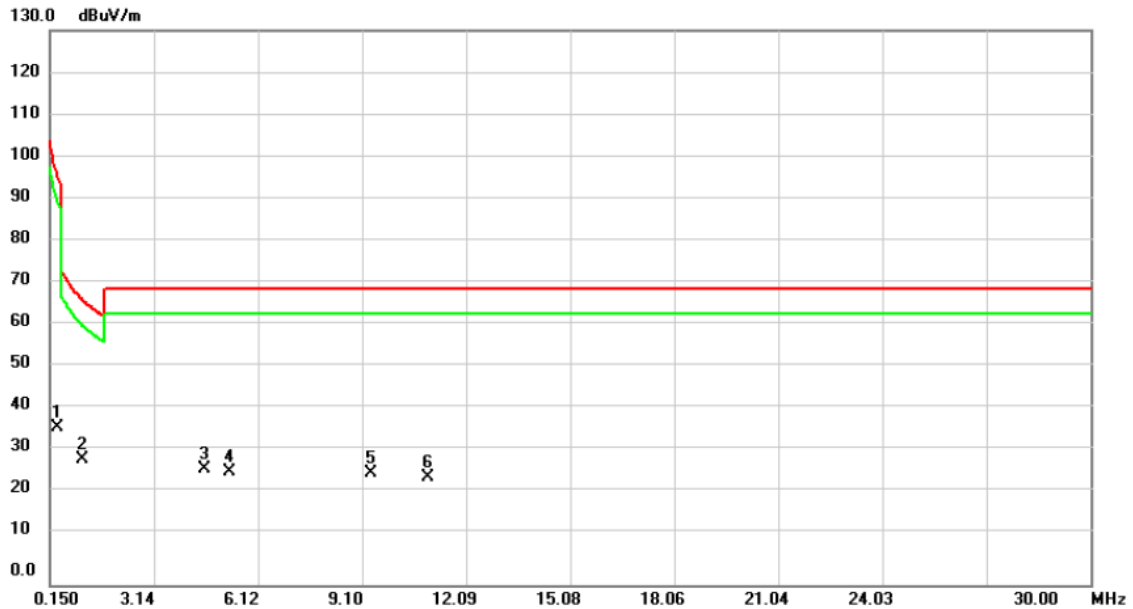
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0942	17.38	16.77	34.15	108.12	-73.97	peak	

Test Mode: TX B MODE 2462MHz

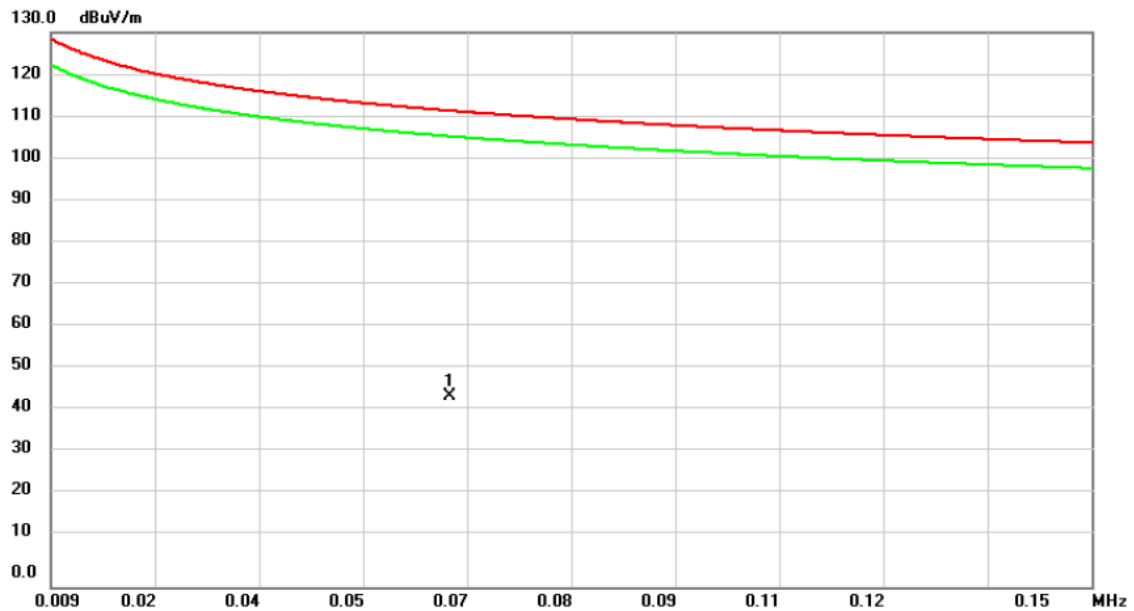
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3588	31.06	5.75	36.81	96.51	-59.70	peak	
2	*	1.0750	30.07	-0.54	29.53	66.98	-37.45	peak	
3		4.5975	30.96	-3.88	27.08	69.54	-42.46	peak	
4		5.2842	30.52	-3.96	26.56	69.54	-42.98	peak	
5		9.3734	30.95	-4.71	26.24	69.54	-43.30	peak	
6		10.9855	29.89	-4.81	25.08	69.54	-44.46	peak	

Test Mode: TX B MODE 2462MHz

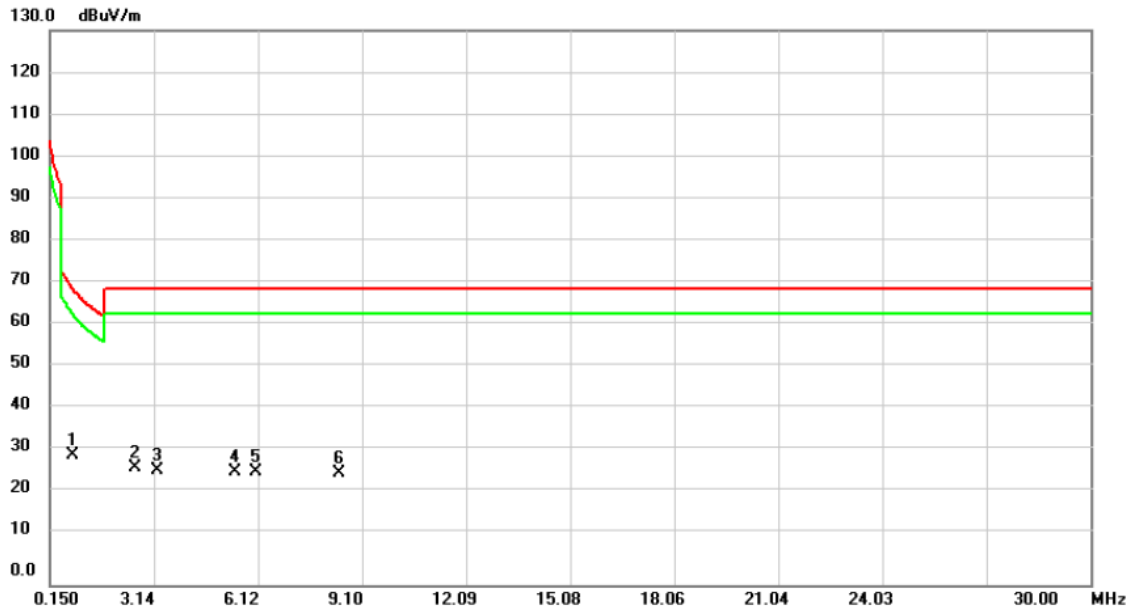
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0630	24.36	20.41	44.77	111.62	-66.85	peak	

Test Mode: TX B MODE 2462MHz

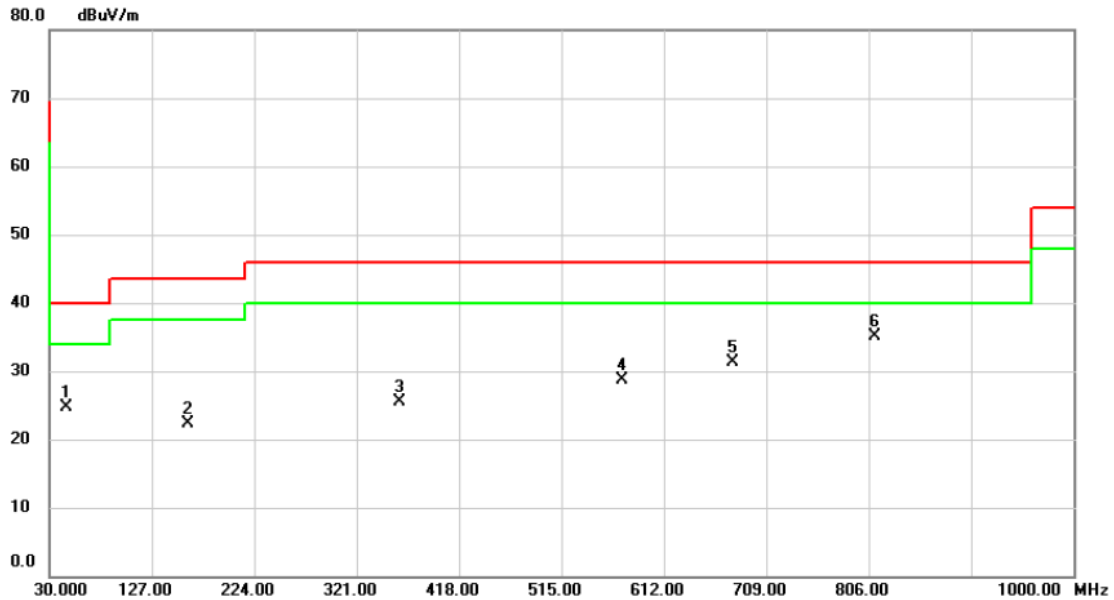
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	0.8064	29.81	0.50	30.31	69.47	-39.16	peak	
2		2.5977	30.70	-3.37	27.33	69.54	-42.21	peak	
3		3.2244	30.36	-3.69	26.67	69.54	-42.87	peak	
4		5.4633	30.50	-3.97	26.53	69.54	-43.01	peak	
5		6.0602	30.43	-4.03	26.40	69.54	-43.14	peak	
6		8.4481	30.56	-4.49	26.07	69.54	-43.47	peak	

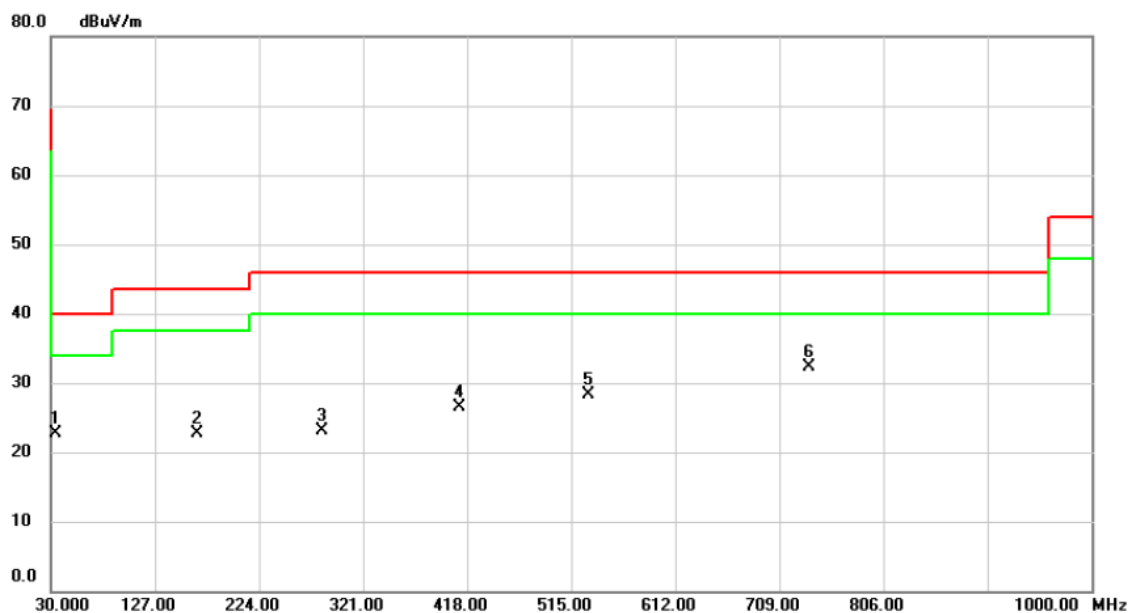
## APPENDIX B - RADIATED EMISSION (30MHZ TO 1000MHZ)

Test Mode	TX B MODE 2462MHz	Polarization	Vertical
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		46.4900	32.90	-8.15	24.75	40.00	-15.25	peak	
2		160.9500	30.81	-8.57	22.24	43.50	-21.26	peak	
3		361.7400	31.34	-5.93	25.41	46.00	-20.59	peak	
4		572.2300	30.08	-1.30	28.78	46.00	-17.22	peak	
5		676.9900	30.53	0.78	31.31	46.00	-14.69	peak	
6	*	811.8200	31.74	3.28	35.02	46.00	-10.98	peak	

Test Mode	TX B MODE 2462MHz	Polarization	Horizontal
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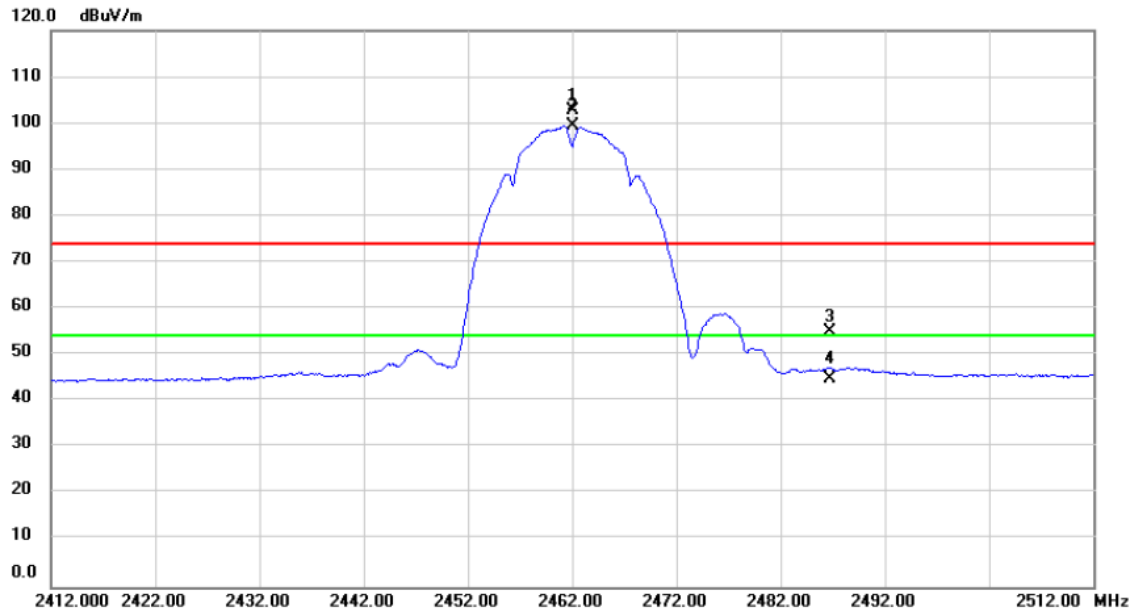


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		34.8500	31.81	-9.01	22.80	40.00	-17.20	peak	
2		165.8000	31.47	-8.72	22.75	43.50	-20.75	peak	
3		282.2000	30.82	-7.79	23.03	46.00	-22.97	peak	
4		411.2100	31.22	-4.79	26.43	46.00	-19.57	peak	
5		530.5200	30.71	-2.37	28.34	46.00	-17.66	peak	
6	*	736.1600	30.18	2.03	32.21	46.00	-13.79	peak	



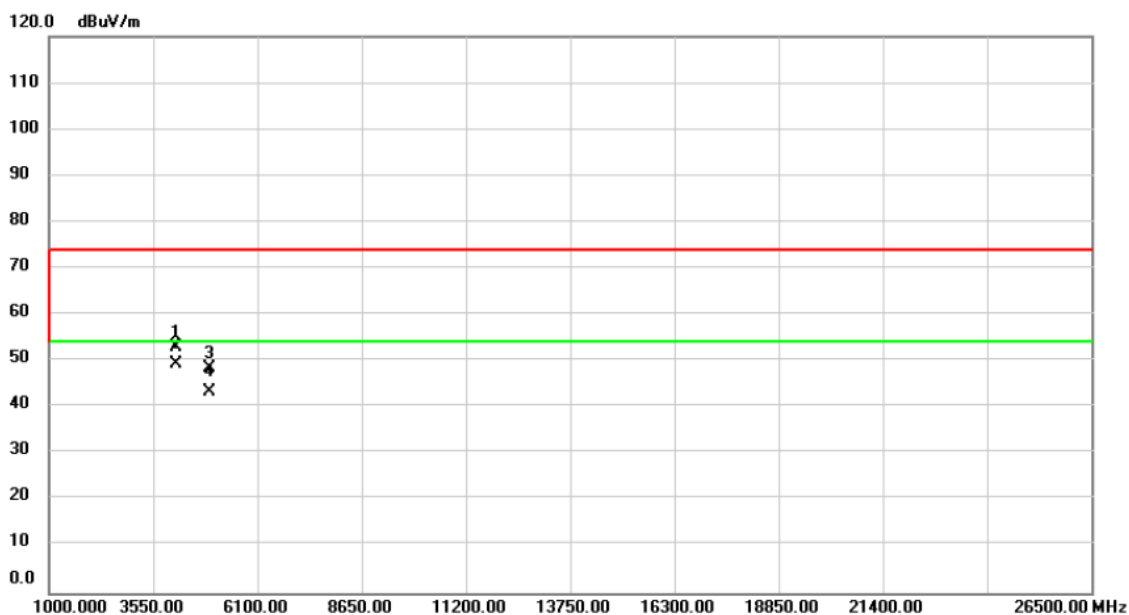
## APPENDIX C - RADIATED EMISSION (ABOVE 1000MHZ)

Test Mode	TX B MODE _2462 MHz	Polarization	Vertical
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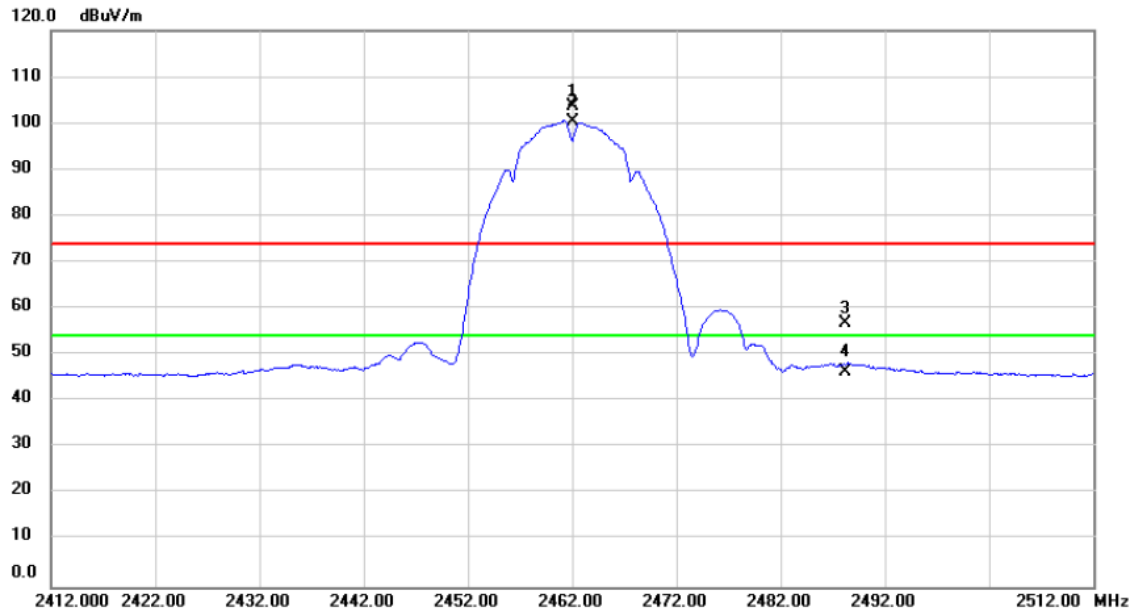
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2462.000	71.55	31.09	102.64	74.00	28.64	peak	No Limit
2	*	2462.000	68.35	31.09	99.44	54.00	45.44	AVG	No Limit
3		2486.701	23.99	31.18	55.17	74.00	-18.83	peak	
4		2486.701	13.69	31.18	44.87	54.00	-9.13	AVG	

Test Mode	TX B MODE _2462 MHz	Polarization	Vertical
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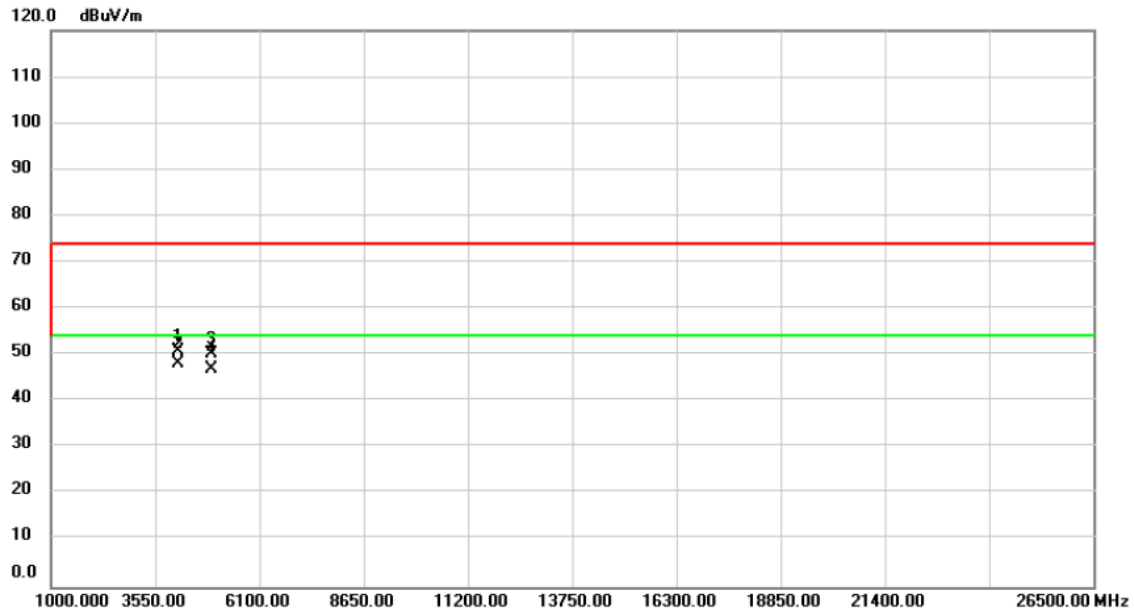
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4103.000	65.74	-12.84	52.90	74.00	-21.10	peak	
2	*	4103.000	62.05	-12.84	49.21	54.00	-4.79	AVG	
3		4924.000	59.97	-11.37	48.60	74.00	-25.40	peak	
4		4924.000	54.79	-11.37	43.42	54.00	-10.58	AVG	

Test Mode	TX B MODE _2462 MHz	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2462.000	72.64	31.09	103.73	74.00	29.73	peak	No Limit
2	*	2462.000	69.41	31.09	100.50	54.00	46.50	AVG	No Limit
3		2488.153	25.60	31.19	56.79	74.00	-17.21	peak	
4		2488.153	15.17	31.19	46.36	54.00	-7.64	AVG	

Test Mode	TX B MODE _2462 MHz	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4103.000	63.64	-12.84	50.80	74.00	-23.20	peak	
2	*	4103.000	60.89	-12.84	48.05	54.00	-5.95	AVG	
3		4924.000	61.63	-11.37	50.26	74.00	-23.74	peak	
4		4924.000	58.23	-11.37	46.86	54.00	-7.14	AVG	

## APPENDIX D - MAXIMUM PEAK CONDUCTED OUTPUT POWER

Test Mode :TX B Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.70	0.0295	30.00	1.00	Complies
2437	15.84	0.0384	30.00	1.00	Complies
2462	15.33	0.0341	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	17.81	0.0604	30.00	1.00	Complies
2437	16.99	0.0500	30.00	1.00	Complies
2462	16.34	0.0431	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	17.41	0.0551	30.00	1.00	Complies
2437	16.24	0.0421	30.00	1.00	Complies
2462	17.56	0.0570	30.00	1.00	Complies

**End of Test Report**