



FCC&ISED Radio Test Report

FCC ID: 2AEUPBHASC042

IC: 20271-BHASC042

This report concerns (check one): ⊠Original Grant □Class I Change □Class II Change

Project No. : 1804T043

Equipment : Ring

Test Model: Spotlight Cam-Battery

Series Model : N/A
Applicant : Ring, Inc.

Address: 1523 26th St, Santa Monica, CA 90404,USA

Date of Receipt : Apr. 17, 2018

Date of Test : Apr. 17, 2018 ~ Aug. 13, 2018

Issued Date : Aug. 15, 2018

Tested by : BTL Inc.

Testing Engineer

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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.

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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.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FICP-1-1804T043	Original Issue.	Aug. 15, 2018

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1. CERTIFICATION

Equipment : Ring

Brand Name:

Test Model : Spotlight Cam-B

Test Model : Spotlight Cam-Battery

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 : Apr. 17, 2018 ~ Aug. 13, 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-1-1804T043) 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).

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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 FCC	d(s) Section	Test Item	Judgment	Remark		
15.207	RSS-GEN 8.8	Conducted Emission	N/A	NOTE (1) NOTE (2)		
15.247(d)	RSS-247 5.5	Antenna conducted Spurious Emission	PASS			
15.247(a)(2)	RSS-247 5.2 (a)	6dB Bandwidth	PASS			
15.247(b)(3)	RSS-247 5.4 (d)	Peak Output Power	PASS			
15.247(e)	RSS-247 5.2 (b)	Power Spectral Density	PASS			
15.203	RSS-247 5.4 (f)(ii)	Antenna Requirement	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.

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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_{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	CICDD	9kHz ~ 150kHz	2.82
(3m)	CISPR	150kHz ~ 30MHz	2.58

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

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

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

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

It can be seen that our U_{lab} values are smaller than U_{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.

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3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Ring
Brand Name	ring
Test Model	Spotlight Cam-Battery
Series Model	N/A
Model Difference	N/A
Power Source	Battery supplied. (Battery is charged independently by USB power supply)
Power Rating	Battery charge input: DC 5V (1) Battery output: DC 3.65V 6040mAh 22.046Wh
Products Covered	2 * Battery 1 * USB Cable
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: 15.06dBm 802.11g: 19.39dBm 802.11n(20MHz): 19.29dBm

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	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		

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3. Table for Filed Antenna:

Group I:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	PSA	N/A	Dipole Antenna	I-PEX	0.5

Group II:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	WIESON	N/A	Dipole Antenna	I-PEX	1.08

Group 2 is found to be the worst case and used for final test.

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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 G MODE	01	-
Transmitter Radiated	TX B MODE	01/06/11	
Emissions	TX G MODE	01/06/11	-
(ABOVE 1GHz)	TX N-20M MODE	01/06/11	
	TX B MODE	01/06/11	-
6dB Bandwidth	TX G MODE	01/06/11	-
	TX N-20M MODE	01/06/11	-
	TX B MODE	01/06/11	-
Peak Output Power	TX G MODE	01/06/11	-
	TX N-20M MODE	01/06/11	-
	TX B MODE	01/06/11	-
Antenna conducted Spurious Emission	TX G MODE	01/06/11	-
LIIIISSIOII	TX N-20M MODE	01/06/11	-
	TX B MODE	01/06/11	-
Power Spectral Density	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	Radio Tool		
Frequency (MHz)	2412	2437	2462
802.11b	2	3	3
802.11g	0	2	0
802.11n (20MHz)	0	1	0

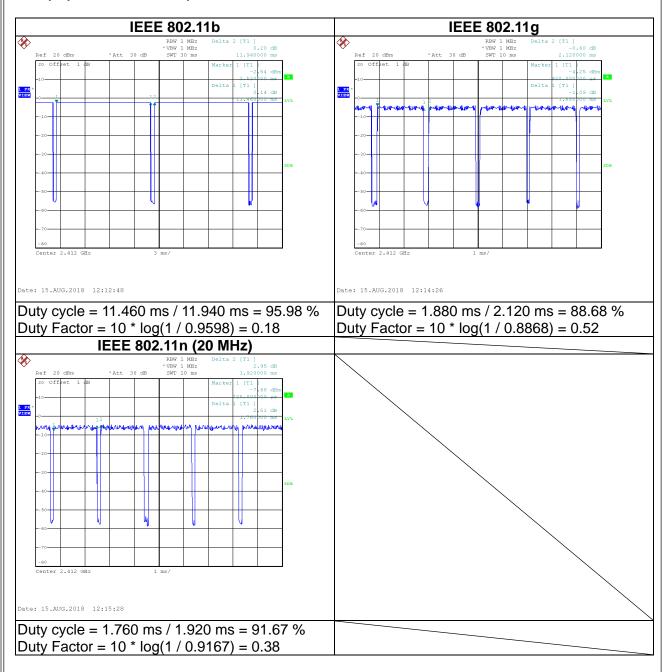
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3.4 DUTY CYCLE

If duty cycle is \geq 98 %, duty factor is not required. If duty cycle is < 98 %, duty factor shall be considered.



Note:

For IEEE 802.11b, IEEE 802.11g and IEEE 802.11n (20 MHz):

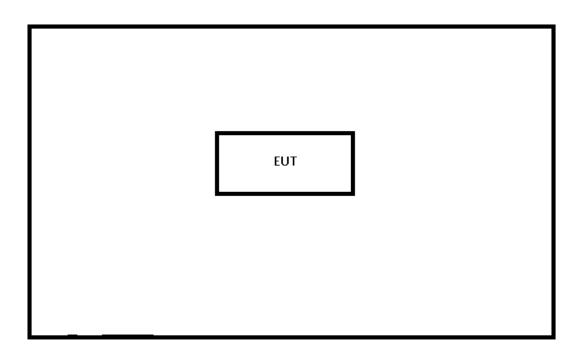
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

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3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.6 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
-	-	-	-	-

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4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

Fraguency of Emission (MUT)	Conducted Limit (dBµV)		
Frequency of Emission (MHz)	Quasi-peak	Average	
0.15 -0.50	66 to 56*	56 to 46*	
0. 0 -5.0	56	46	
5.0 -30.0	60	50	

Note:

- (1) The limit of " * " decreases with the logarithm of the frequency
- (2) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use) Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

4.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

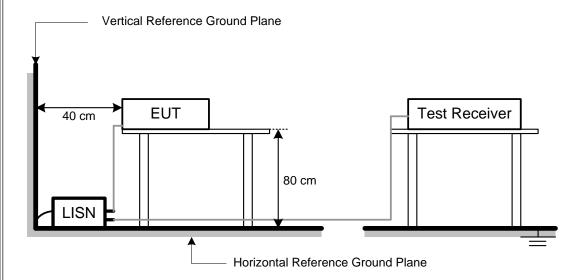
No deviation

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4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

The EUT was placed on the test table and programmed in normal function.

4.1.6 EUT TEST CONDITIONS

Temperature: N/A Relative Humidity: N/A Test Voltage: N/A

4.1.7 TEST RESULTS

Please refer to the Appendix A.

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4.2 RADIATED EMISSION MEASUREMENT

4.2.1 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	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(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)

Fraguency (MHz)	(dBuV/m) (at 3 meters)		
Frequency (MHz)	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

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

4.2.2 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 0.8m 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.
- 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.

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

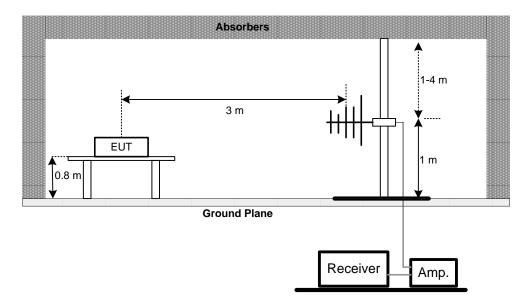
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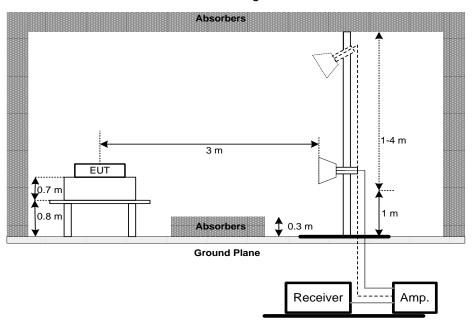


4.2.4 TEST SETUP

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



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

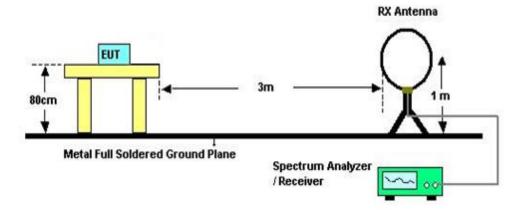


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(C) For Radiated Emissions Below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Appendix B

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 (specific distance / test distance) (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Appendix C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Appendix D.

Remark:

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

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5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-247			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2)			
RSS-GEN section 6.6	Bandwidth	2400-2483.5	PASS
RSS-247 5.2 (a)			

5.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER

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 E.

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6. MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST

6.1 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

6.1.1 TEST PROCEDURE

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP

EUT	Power Meter
	1 Giroi Motor

6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Appendix F.

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7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

7.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = Auto.
- c. Offset=antenna gain+cable loss

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.1.5 EUT TEST CONDITIONS

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

7.1.6 TEST RESULTS

Please refer to the Appendix G.

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8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C / RSS-247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e) RSS-247 5.2 (b)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

8.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW=3KHz, VBW=10KHz, Sweep time = Auto.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP

EUT	SPECTRUM	
	ANALYZER	

8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Appendix H.

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9. MEASUREMENT INSTRUMENTS LIST

	Radiated Emission Measurement				
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Preamplifier	EMCI	012645B	980267	Feb. 27, 2019
2	Preamplifier	EMCI	EMC02325	980217	Dec. 27, 2019
3	Preamplifier	EMCI	EMC2654045	980030	Feb. 13, 2019
4	Test Cable	EMCI	EMC104-SM-S M-8000	8m	Jan. 03, 2019
5	Test Cable	EMCI	EMC104-SM-S M-800	150207	Jan. 03, 2019
6	Test Cable	EMCI	EEMC104-SM-S M-3000	151205	Jan. 03, 2019
7	MXE EMI Receiver	Agilent	N9038A	MY5542012 7	Jan. 08, 2019
8	Signal Analyzer	Agilent	N9010A	MY5222099 0	Feb. 21, 2019
9	Loop Ant	EMCI	LPA600	274	May 03, 2019
10	Horm Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	Feb. 27, 2019
11	Horm Ant	Schwarzbeck	BBHA 9170	187	Dec. 05, 2018
12	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-548	Jan. 15, 2019
13	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0623	Jan.15, 2019

		6dB Bandwid	th Measureme	ent	
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	R&S/FSP30	100854	May 24, 2019

		Peak Output Po	wer Measurer	ment	
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2495A	1128008	Aug. 16, 2018
2	Power Sensor	Anritsu	MA2411B	1126001	Aug. 16, 2018

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	R&S/FSP30	100854	May 24, 2019

		Power Spectral De	ensity Measur	ement	
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	R&S/FSP30	100854	May 24, 2019

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

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APPENDIX A - CONDUCTED EMISSION

Test Mode: N/A

Note: "N/A" denotes test is not applicable to this device.

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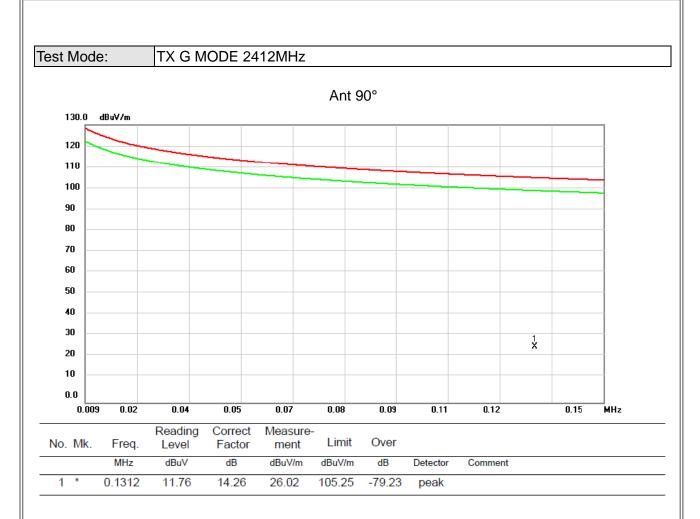


APPENDIX B - RADIATED EMISSION (9KHZ TO 30MHZ)

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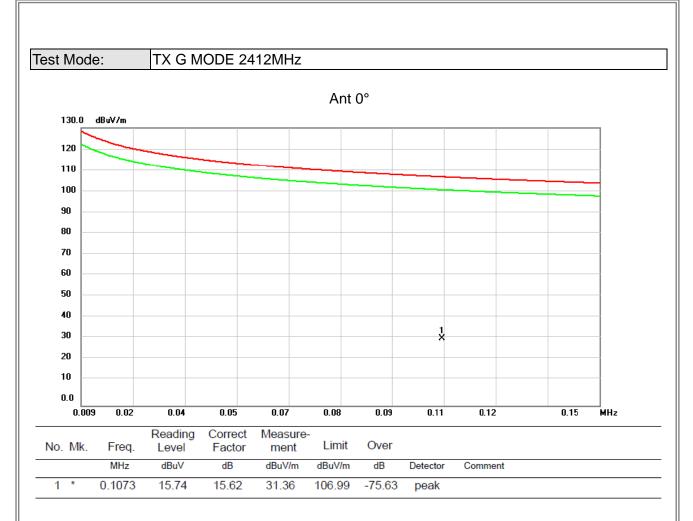




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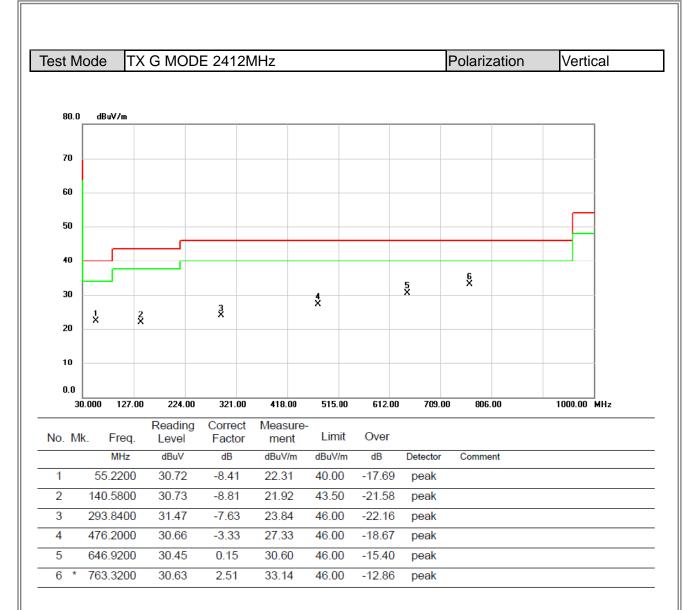


APPENDIX C - RADIATED EMISSION (30MHZ TO 1000MHZ)

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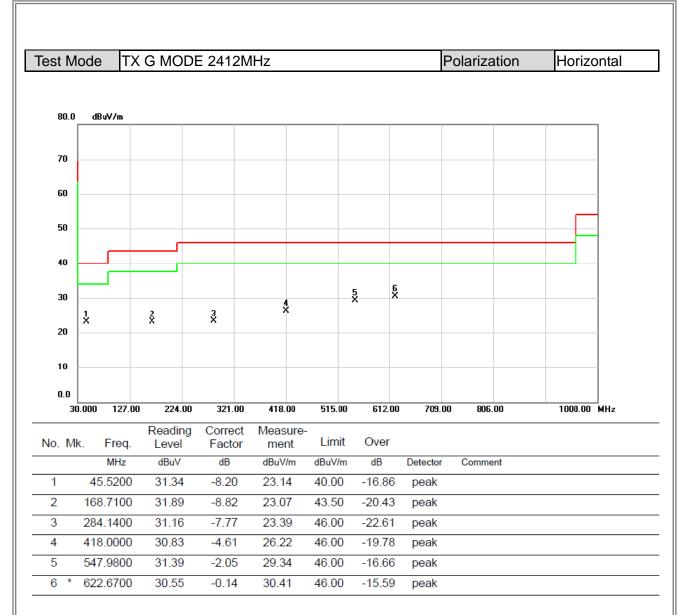




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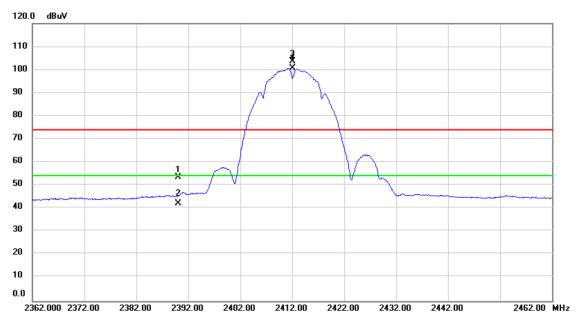
APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)

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Test Mode TX B MODE _2412 MHz Polarization Vertical



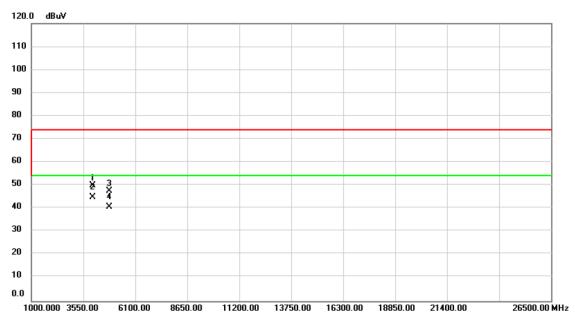
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu V	dBu∨	dB	Detector	Comment
1		2390.000	22.69	30.84	53.53	74.00	-20.47	peak	
2		2390.000	11.34	30.84	42.18	54.00	-11.82	AVG	
3	Χ	2412.000	72.84	30.92	103.76	74.00	29.76	peak	No Limit
4	*	2412.000	69.69	30.92	100.61	54.00	46.61	AVG	No Limit

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Test Mode TX B MODE _2412 MHz Polarization Vertical



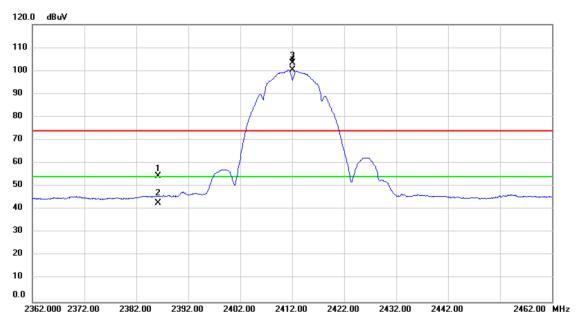
No.	Mk	ι. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er		
		MHz	dBuV	dB	dBu V	dBuV	dB	Detector	Comment
1		4020.000	62.93	-13.07	49.86	74.00	-24.14	peak	
2	*	4020.000	57.84	-13.07	44.77	54.00	-9.23	AVG	
3		4824.000	58.97	-11.48	47.49	74.00	-26.51	peak	
4		4824.000	52.28	-11.48	40.80	54.00	-13.20	AVG	

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Test Mode TX B MODE _2412 MHz Polarization Horizontal



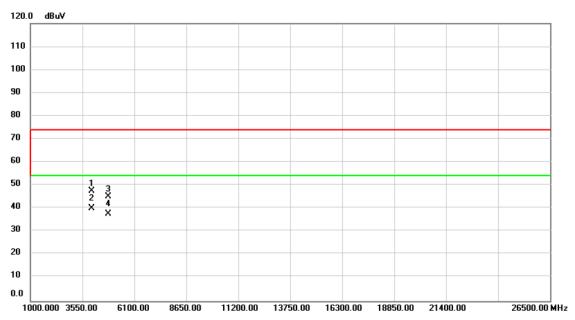
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∨	dB	Detector	Comment
1	2	2386.192	23.70	30.83	54.53	74.00	-19.47	peak	
2	2	2386.192	11.97	30.83	42.80	54.00	-11.20	AVG	
3	X 2	2412.000	72.46	30.92	103.38	74.00	29.38	peak	No Limit
4	* 2	2412.000	69.30	30.92	100.22	54.00	46.22	AVG	No Limit

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Test Mode TX B MODE _2412 MHz Polarization Horizontal



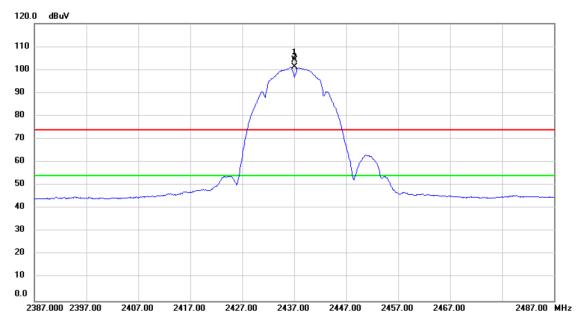
No.	Mk	ι. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBuV	dB	Detector	Comment
1		4020.000	60.48	-13.07	47.41	74.00	-26.59	peak	
2	*	4020.000	53.25	-13.07	40.18	54.00	-13.82	AVG	
3		4824.000	56.73	-11.48	45.25	74.00	-28.75	peak	
4		4824.000	49.23	-11.48	37.75	54.00	-16.25	AVG	

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Test Mode TX B MODE _2437 MHz Polarization Vertical



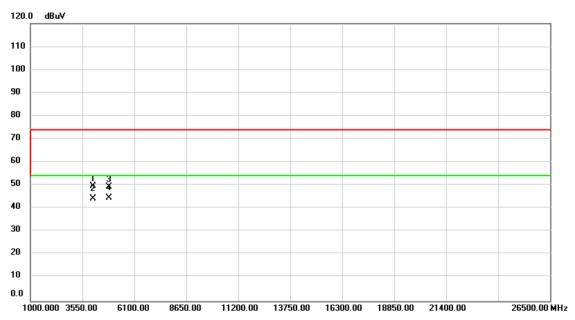
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu V	dBu∀	dB	Detector	Comment
1	X 2	2437.000	73.29	31.01	104.30	74.00	30.30	peak	No Limit
2	* 2	2437.000	70.12	31.01	101.13	54.00	47.13	AVG	No Limit

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Test Mode TX B MODE _2437 MHz Polarization Vertical



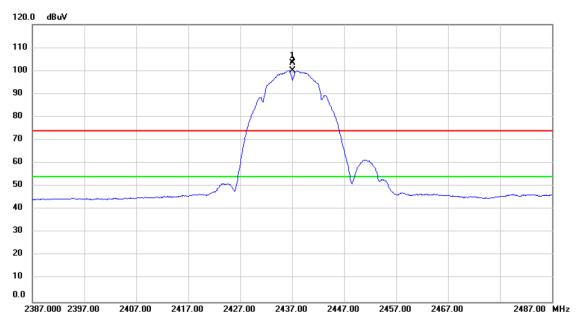
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∨	dB	Detector	Comment
1		4061.000	62.58	-12.96	49.62	74.00	-24.38	peak	
2		4061.000	57.25	-12.96	44.29	54.00	-9.71	AVG	
3		4874.000	60.83	-11.42	49.41	74.00	-24.59	peak	
4	*	4874.000	55.88	-11.42	44.46	54.00	-9.54	AVG	

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Test Mode TX B MODE _2437 MHz Horizontal Polarization



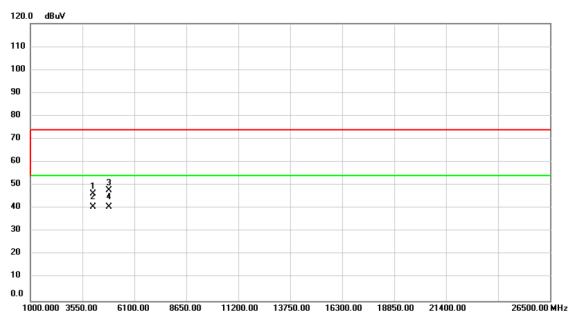
N	o. I	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBu∀	dB	dBu∨	dBu∀	dB	Detector	Comment
	1 .	X 2	437.000	72.30	31.01	103.31	74.00	29.31	peak	No Limit
	2 :	* 24	437.000	69.15	31.01	100.16	54.00	46.16	AVG	No Limit

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Test Mode TX B MODE _2437 MHz Polarization Horizontal



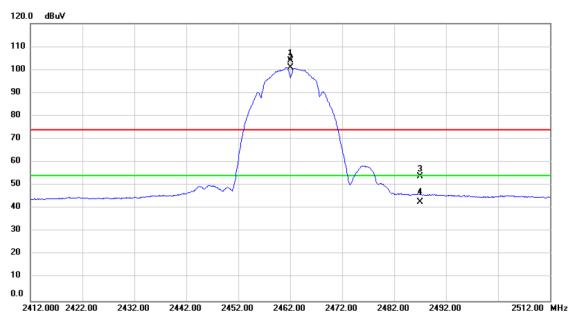
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBuV	dB	Detector	Comment
1		4061.000	59.44	-12.96	46.48	74.00	-27.52	peak	
2	*	4061.000	53.70	-12.96	40.74	54.00	-13.26	AVG	
3		4874.000	59.12	-11.42	47.70	74.00	-26.30	peak	
4		4874.000	52.04	-11.42	40.62	54.00	-13.38	AVG	

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Test Mode TX B MODE _2462 MHz Polarization Vertical



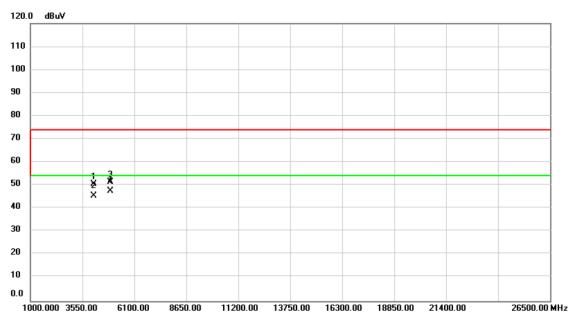
No.	М	κ. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∨	dB	Detector	Comment
1	Χ	2462.000	72.90	31.09	103.99	74.00	29.99	peak	No Limit
2	*	2462.000	69.77	31.09	100.86	54.00	46.86	AVG	No Limit
3		2486.948	22.71	31.18	53.89	74.00	-20.11	peak	
4		2486.948	11.72	31.18	42.90	54.00	-11.10	AVG	

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Test Mode TX B MODE _2462 MHz Polarization Vertical



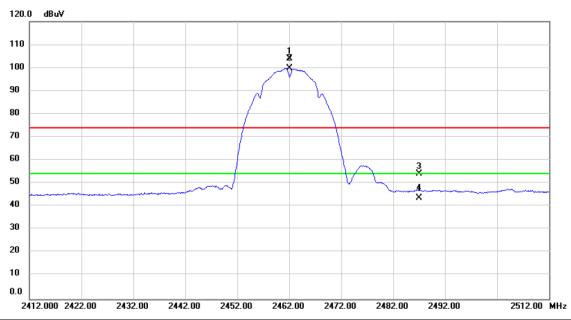
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBuV	dB	Detector	Comment
1		4103.000	63.29	-12.84	50.45	74.00	-23.55	peak	
2		4103.000	58.42	-12.84	45.58	54.00	-8.42	AVG	
3		4924.000	62.85	-11.37	51.48	74.00	-22.52	peak	
4	*	4924.000	58.93	-11.37	47.56	54.00	-6.44	AVG	

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Test Mode TX B MODE _2462 MHz Polarization Horizontal



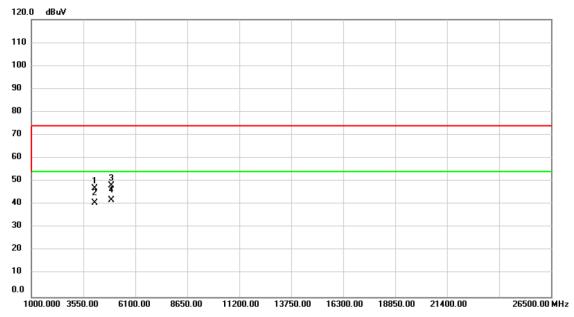
No.	Mk	ι. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
-		MHz	dBu∨	dB	dBu V	dBu∨	dB	Detector	Comment
1	Χ	2462.000	72.78	31.09	103.87	74.00	29.87	peak	No Limit
2	*	2462.000	68.73	31.09	99.82	54.00	45.82	AVG	No Limit
3		2486.948	22.85	31.18	54.03	74.00	-19.97	peak	
4		2486.948	12.62	31.18	43.80	54.00	-10.20	AVG	

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Test Mode TX B MODE _2462 MHz Polarization Horizontal



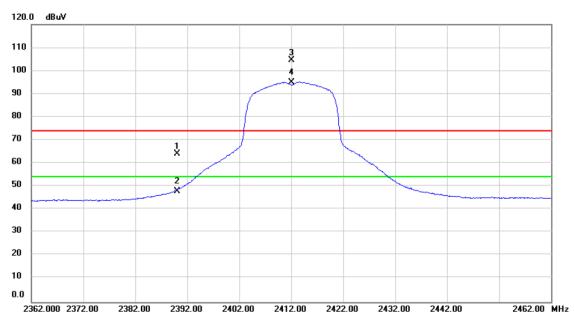
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu∨	dBu∀	dB	Detector	Comment
1		4103.000	59.80	-12.84	46.96	74.00	-27.04	peak	
2		4103.000	53.64	-12.84	40.80	54.00	-13.20	AVG	
3		4924.000	59.46	-11.37	48.09	74.00	-25.91	peak	
4	*	4924.000	53.33	-11.37	41.96	54.00	-12.04	AVG	

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Test Mode TX G MODE _2412 MHz Polarization Vertical



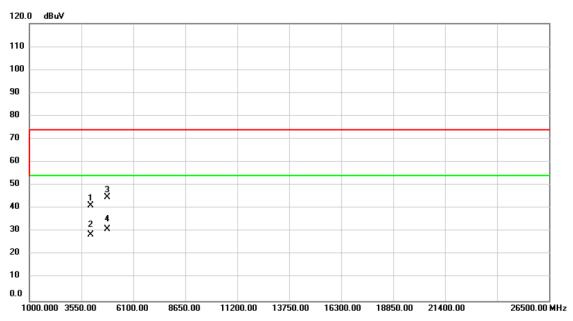
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu V	dBuV	dB	Detector	Comment
1		2390.000	33.19	30.84	64.03	74.00	-9.97	peak	
2	:	2390.000	16.86	30.84	47.70	54.00	-6.30	AVG	
3	Χ :	2412.000	73.62	30.92	104.54	74.00	30.54	peak	No Limit
4	* :	2412.000	64.02	30.92	94.94	54.00	40.94	AVG	No Limit

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Test Mode TX G MODE _2412 MHz Polarization Vertical



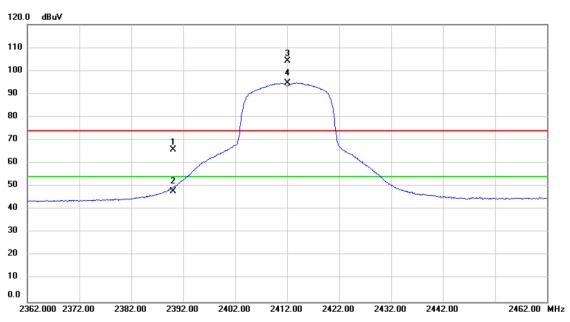
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu V	dBu∨	dB	Detector	Comment
1		4020.000	54.21	-13.07	41.14	74.00	-32.86	peak	
2		4020.000	41.81	-13.07	28.74	54.00	-25.26	AVG	
3		4824.000	56.30	-11.48	44.82	74.00	-29.18	peak	
4	*	4824.000	42.44	-11.48	30.96	54.00	-23.04	AVG	

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Test Mode TX G MODE _2412 MHz Polarization Horizontal



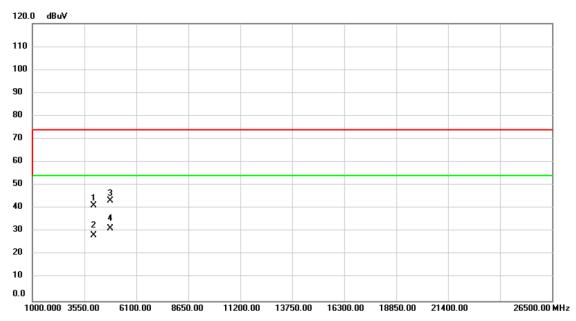
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∀	dB	Detector	Comment
1		2390.000	35.08	30.84	65.92	74.00	-8.08	peak	
2		2390.000	17.03	30.84	47.87	54.00	-6.13	AVG	
3	Χ	2412.000	73.33	30.92	104.25	74.00	30.25	peak	No Limit
4	*	2412.000	63.76	30.92	94.68	54.00	40.68	AVG	No Limit

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Test Mode TX G MODE _2412 MHz Polarization Horizontal



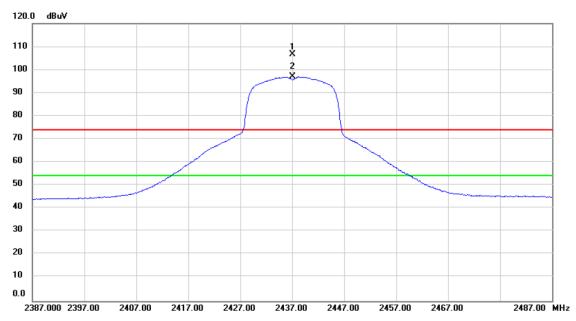
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∨	dB	Detector	Comment
1		4020.000	54.44	-13.07	41.37	74.00	-32.63	peak	
2		4020.000	41.51	-13.07	28.44	54.00	-25.56	AVG	
3		4824.000	54.96	-11.48	43.48	74.00	-30.52	peak	
4	*	4824.000	42.86	-11.48	31.38	54.00	-22.62	AVG	

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Test Mode TX G MODE _2437 MHz Polarization Vertical



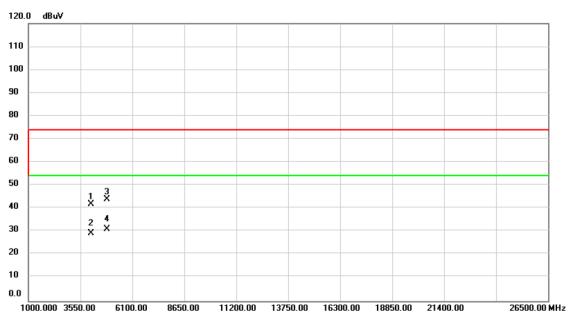
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu V	dBu∀	dB	Detector	Comment
1	X 2	2437.000	75.54	31.01	106.55	74.00	32.55	peak	No Limit
2	* 2	2437.000	65.93	31.01	96.94	54.00	42.94	AVG	No Limit

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Test Mode TX G MODE _2437 MHz Polarization Vertical



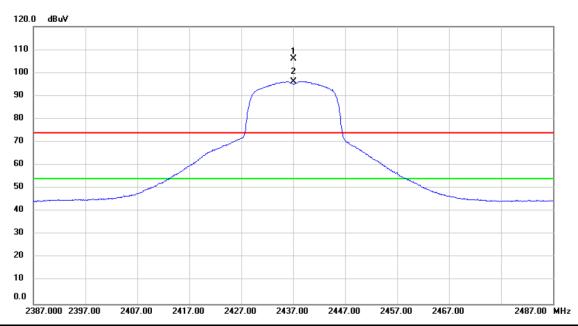
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu V	dBu∨	dB	Detector	Comment
1		4061.000	54.90	-12.96	41.94	74.00	-32.06	peak	
2		4061.000	42.30	-12.96	29.34	54.00	-24.66	AVG	
3		4874.000	55.46	-11.42	44.04	74.00	-29.96	peak	
4	*	4874.000	42.33	-11.42	30.91	54.00	-23.09	AVG	

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Test Mode TX G MODE _2437 MHz Polarization Horizontal



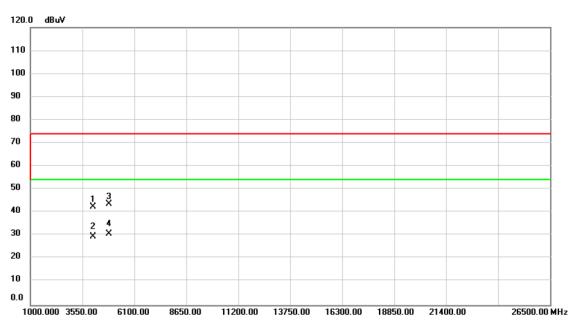
N	о.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBu∀	dB	dBu V	dBu∨	dB	Detector	Comment
	1	Χ	2437.000	74.89	31.01	105.90	74.00	31.90	peak	No Limit
	2	*	2437.000	65.19	31.01	96.20	54.00	42.20	AVG	No Limit

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Test Mode TX G MODE _2437 MHz Polarization Horizontal



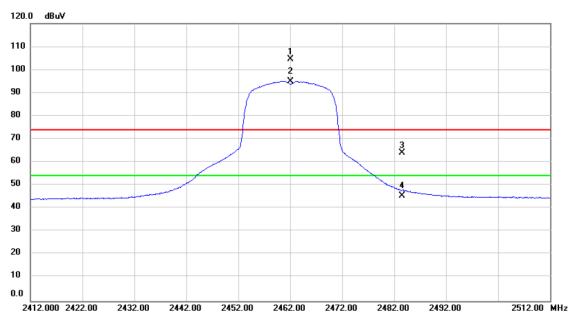
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∨	dB	Detector	Comment
1		4061.000	55.40	-12.96	42.44	74.00	-31.56	peak	
2		4061.000	42.37	-12.96	29.41	54.00	-24.59	AVG	
3		4874.000	55.08	-11.42	43.66	74.00	-30.34	peak	
4	*	4874.000	42.25	-11.42	30.83	54.00	-23.17	AVG	

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Test Mode TX G MODE _2462 MHz Polarization Vertical



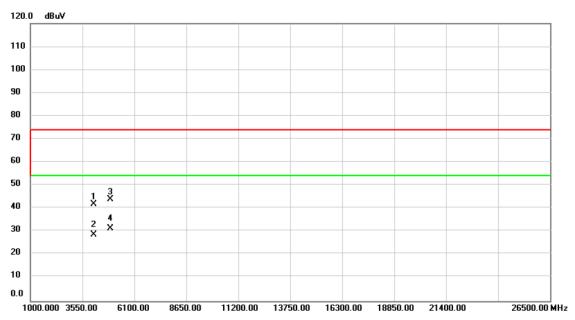
No.	МІ	κ. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∨	dB	Detector	Comment
1	Χ	2462.000	73.43	31.09	104.52	74.00	30.52	peak	No Limit
2	*	2462.000	63.79	31.09	94.88	54.00	40.88	AVG	No Limit
3		2483.500	32.75	31.17	63.92	74.00	-10.08	peak	
4		2483.500	14.22	31.17	45.39	54.00	-8.61	AVG	

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Test Mode TX G MODE _2462 MHz Polarization Vertical



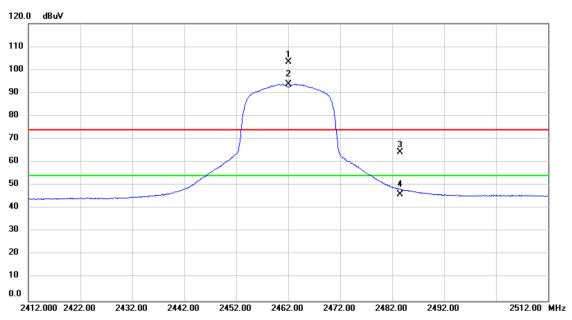
No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBuV	dB	Detector	Comment
1		4103.000	54.69	-12.84	41.85	74.00	-32.15	peak	
2		4103.000	41.59	-12.84	28.75	54.00	-25.25	AVG	
3		4924.000	55.18	-11.37	43.81	74.00	-30.19	peak	
4	*	4924.000	42.60	-11.37	31.23	54.00	-22.77	AVG	

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Test Mode TX G MODE _2462 MHz Polarization Horizontal



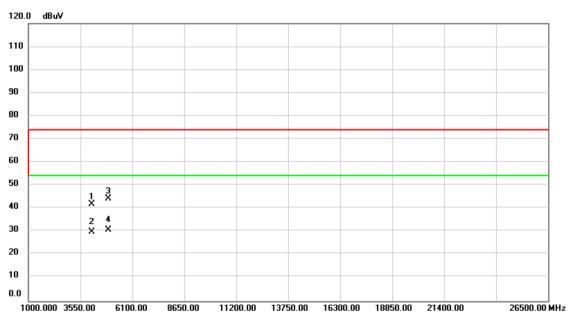
No.	МІ	κ. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∨	dB	Detector	Comment
1	Χ	2462.000	72.27	31.09	103.36	74.00	29.36	peak	No Limit
2	*	2462.000	62.63	31.09	93.72	54.00	39.72	AVG	No Limit
3		2483.500	33.17	31.17	64.34	74.00	-9.66	peak	
4		2483.500	15.01	31.17	46.18	54.00	-7.82	AVG	

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Test Mode TX G MODE _2462 MHz Polarization Horizontal



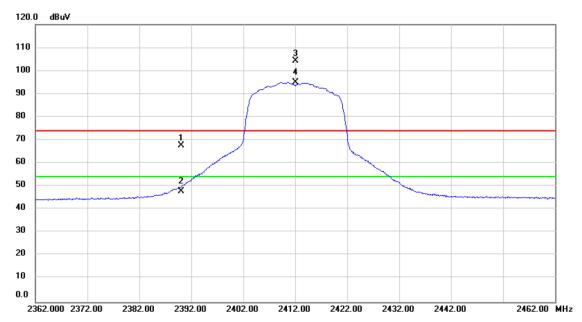
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er		
		MHz	dBuV	dB	dBu V	dBuV	dB	Detector	Comment
1		4103.000	54.70	-12.84	41.86	74.00	-32.14	peak	
2		4103.000	42.62	-12.84	29.78	54.00	-24.22	AVG	
3		4924.000	55.64	-11.37	44.27	74.00	-29.73	peak	
4	*	4924.000	42.21	-11.37	30.84	54.00	-23.16	AVG	

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Test Mode TX N-20M MODE 2412MHz Polarization Vertical



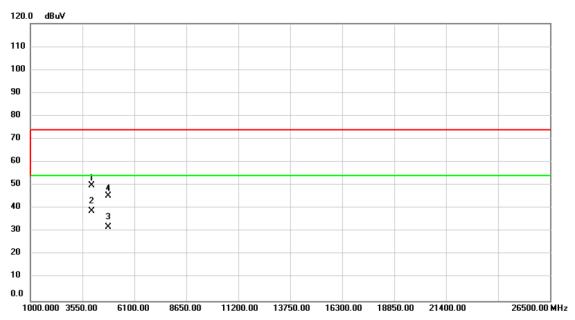
No	. Mi	κ. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu V	dBu∀	dB	Detector	Comment
		2390.000	36.75	30.84	67.59	74.00	-6.41	peak	
- 2	<u> </u>	2390.000	17.02	30.84	47.86	54.00	-6.14	AVG	
-;	X	2412.000	73.29	30.92	104.21	74.00	30.21	peak	No Limit
-	. *	2412.000	63.99	30.92	94.91	54.00	40.91	AVG	No Limit

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Test Mode TX N-20M MODE 2412MHz Polarization Vertical



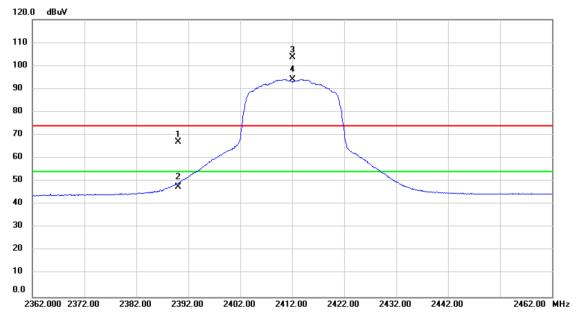
No.	Mk	ι. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBuV	dB	Detector	Comment
1		4020.000	63.17	-13.07	50.10	74.00	-23.90	peak	
2	*	4020.000	52.04	-13.07	38.97	54.00	-15.03	AVG	
3		4823.855	43.53	-11.48	32.05	54.00	-21.95	AVG	
4		4824.050	57.03	-11.48	45.55	74.00	-28.45	peak	

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Test Mode TX N-20M MODE 2412MHz Polarization Horizontal



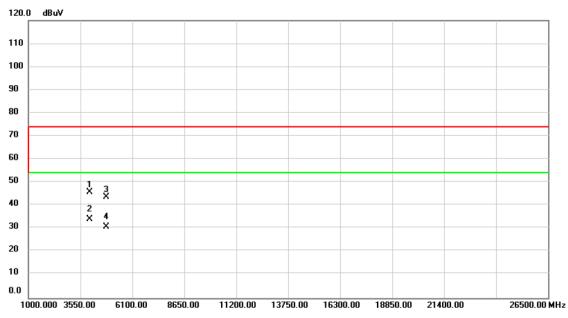
No	. Mk	ι. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu V	dBu∀	dB	Detector	Comment
1		2390.000	36.20	30.84	67.04	74.00	-6.96	peak	
2		2390.000	16.60	30.84	47.44	54.00	-6.56	AVG	
3	Х	2412.000	72.85	30.92	103.77	74.00	29.77	peak	No Limit
4	*	2412.000	63.03	30.92	93.95	54.00	39.95	AVG	No Limit

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Test Mode TX N-20M MODE 2412MHz Polarization Horizontal



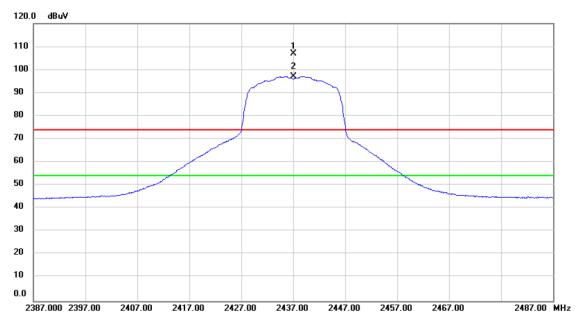
No	. MI	k. Freq	Reading Level) Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∨	dB	dBu V	dBu∀	dB	Detector	Comment
1		4020.00	58.85	-13.07	45.78	74.00	-28.22	peak	
2	*	4020.00	0 47.16	-13.07	34.09	54.00	-19.91	AVG	
3		4824.00	0 55.13	-11.48	43.65	74.00	-30.35	peak	
4		4824.00	0 42.24	-11.48	30.76	54.00	-23.24	AVG	

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Test Mode TX N-20M MODE 2437MHz Polarization Vertical



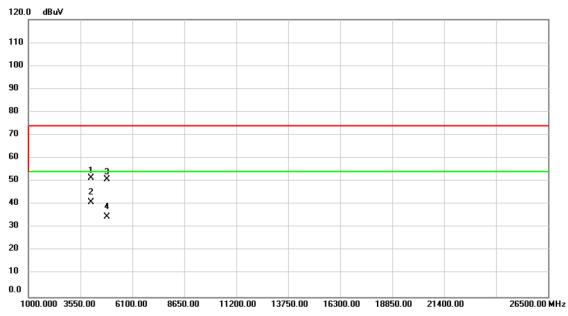
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∀	dB	Detector	Comment
1	X 2	2437.000	75.84	31.01	106.85	74.00	32.85	peak	No Limit
2	* 2	2437.000	66.04	31.01	97.05	54.00	43.05	AVG	No Limit

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Test Mode TX N-20M MODE 2437MHz Polarization Vertical



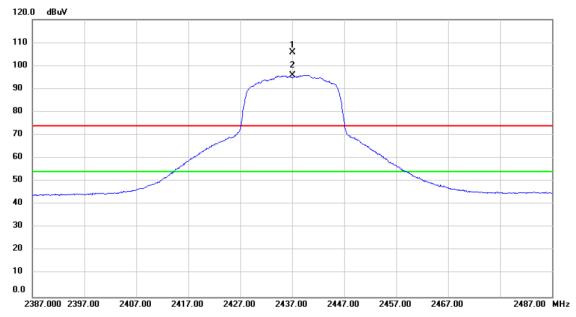
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∨	dB	Detector	Comment
1		4061.000	64.50	-12.96	51.54	74.00	-22.46	peak	
2	*	4061.000	53.93	-12.96	40.97	54.00	-13.03	AVG	
3		4874.000	62.14	-11.42	50.72	74.00	-23.28	peak	
4		4874.000	46.14	-11.42	34.72	54.00	-19.28	AVG	

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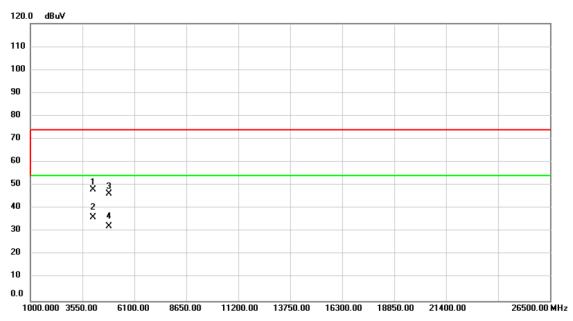
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu V	dBu∀	dB	Detector	Comment
1	X 2	2437.000	74.78	31.01	105.79	74.00	31.79	peak	No Limit
2	* 2	2437.000	64.97	31.01	95.98	54.00	41.98	AVG	No Limit

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Test Mode TX N-20M MODE 2437MHz Polarization Horizontal



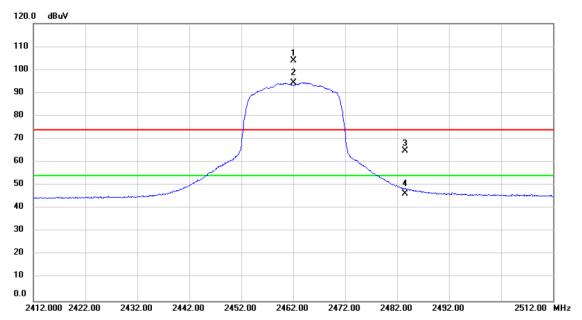
No.	Mk	ι. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∨	dB	Detector	Comment
1		4061.000	61.03	-12.96	48.07	74.00	-25.93	peak	
2	*	4061.000	49.19	-12.96	36.23	54.00	-17.77	AVG	
3		4874.000	57.69	-11.42	46.27	74.00	-27.73	peak	
4		4874.000	43.64	-11.42	32.22	54.00	-21.78	AVG	

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Test Mode TX N-20M MODE 2462MHz Polarization Vertical



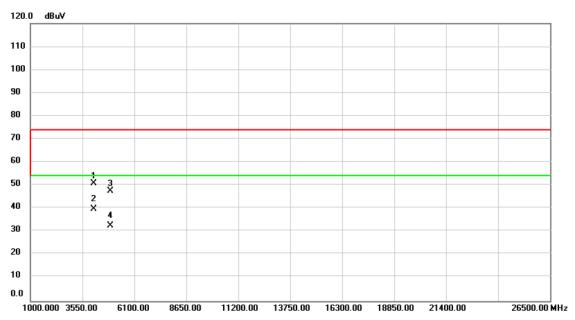
No.	MI	κ. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∨	dB	Detector	Comment
1	Χ	2462.000	72.97	31.09	104.06	74.00	30.06	peak	No Limit
2	*	2462.000	63.16	31.09	94.25	54.00	40.25	AVG	No Limit
3		2483.517	33.89	31.17	65.06	74.00	-8.94	peak	
4		2483.517	15.09	31.17	46.26	54.00	-7.74	AVG	

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Test Mode TX N-20M MODE 2462MHz Polarization Vertical



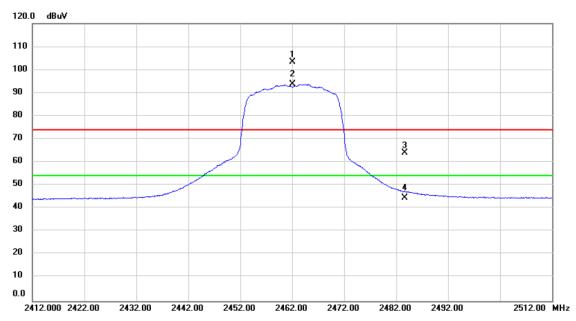
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBuV	dB	Detector	Comment
1		4103.000	63.58	-12.84	50.74	74.00	-23.26	peak	
2	*	4103.000	52.59	-12.84	39.75	54.00	-14.25	AVG	
3		4924.000	58.95	-11.37	47.58	74.00	-26.42	peak	
4		4924.000	43.86	-11.37	32.49	54.00	-21.51	AVG	

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Test Mode TX N-20M MODE 2462MHz Polarization Horizontal



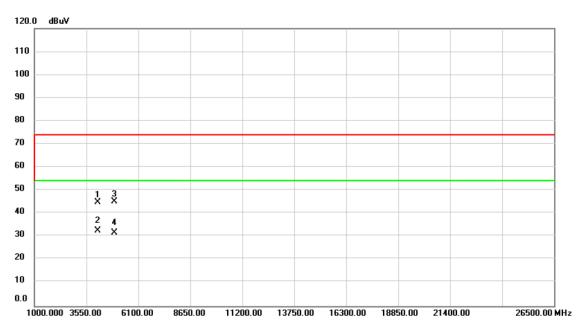
No.	M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu V	dBu∀	dB	Detector	Comment
1	Х	2462.000	72.36	31.09	103.45	74.00	29.45	peak	No Limit
2	*	2462.000	62.52	31.09	93.61	54.00	39.61	AVG	No Limit
3		2483.615	32.78	31.17	63.95	74.00	-10.05	peak	
4		2483.615	13.48	31.17	44.65	54.00	-9.35	AVG	

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Test Mode TX N-20M MODE 2462MHz Polarization Horizontal



No.	MŁ	κ. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu V	dBu∀	dB	Detector	Comment
1		4103.000	57.80	-12.84	44.96	74.00	-29.04	peak	
2	*	4103.000	45.33	-12.84	32.49	54.00	-21.51	AVG	
3		4924.000	56.60	-11.37	45.23	74.00	-28.77	peak	
4		4924.000	42.91	-11.37	31.54	54.00	-22.46	AVG	

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•	APPENDIX E - BANDWIDTH	

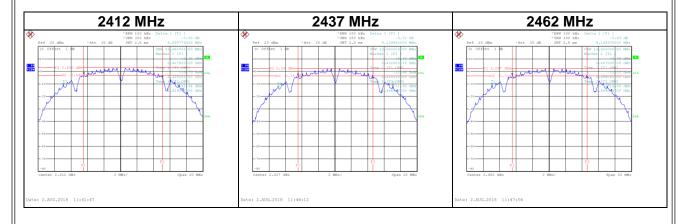
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Test Mode: TX B Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	9.60	13.96	500	Complies
2437	9.14	13.92	500	Complies
2462	9.15	13.92	500	Complies



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Test Mode: TX G Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.14	16.28	500	Complies
2437	15.50	16.32	500	Complies
2462	13.56	16.28	500	Complies



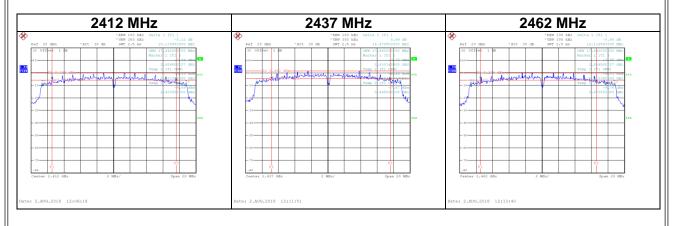
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Test Mode: TX N-20MHz Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.14	17.44	500	Complies
2437	14.48	17.44	500	Complies
2462	14.12	17.44	500	Complies



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APPENDIX F - MAXIMUM PEAK CONDUCTED OUTPUT POWER

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Test Mode :TX B Mode_CH01/06/11					
Frequency	Conducted	Conducted	Max. Limit	Max. Limit	Popult
(MHz)	Power (dBm)	Power (W)	(dBm)	(W)	Result
2412	14.92	0.0310	30.00	1.00	Complies
2437	14.61	0.0289	30.00	1.00	Complies
2462	15.06	0.0321	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11					
Frequency	Conducted	Conducted	Max. Limit	Max. Limit	Result
(MHz)	Power (dBm)	Power (W)	(dBm)	(W)	Result
2412	19.39	0.0869	30.00	1.00	Complies
2437	19.23	0.0838	30.00	1.00	Complies
2462	19.15	0.0822	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11					
Frequency	Conducted	Conducted	Max. Limit	Max. Limit	Result
(MHz)	Power (dBm)	Power (W)	(dBm)	(W)	Result
2412	19.22	0.0836	30.00	1.00	Complies
2437	19.29	0.0849	30.00	1.00	Complies
2462	19.17	0.0826	30.00	1.00	Complies

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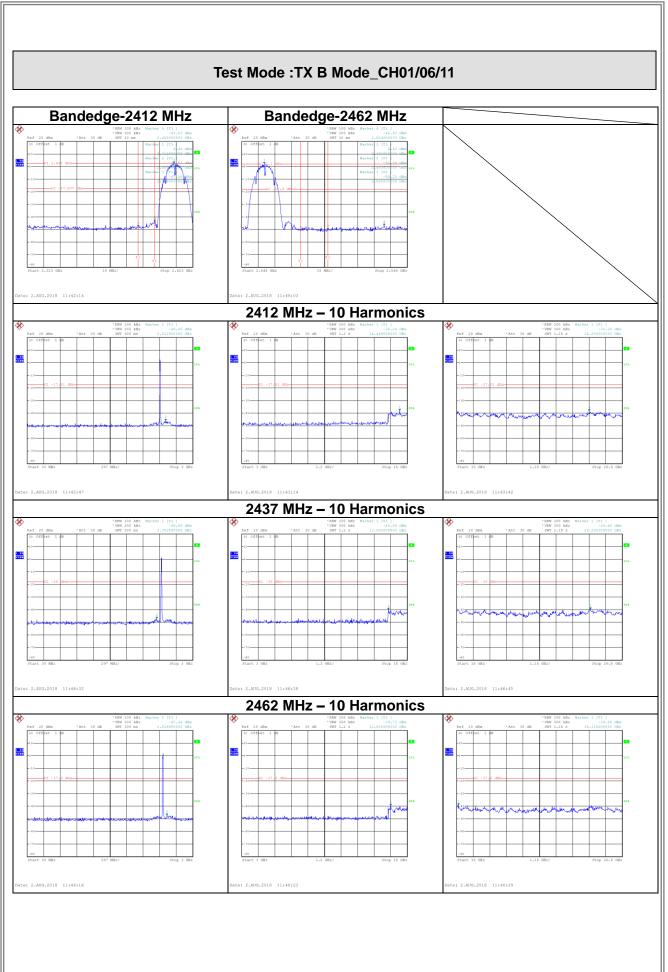


APPENDIX G - ANTENNA CONDUCTED SPURIOUS EMISSION

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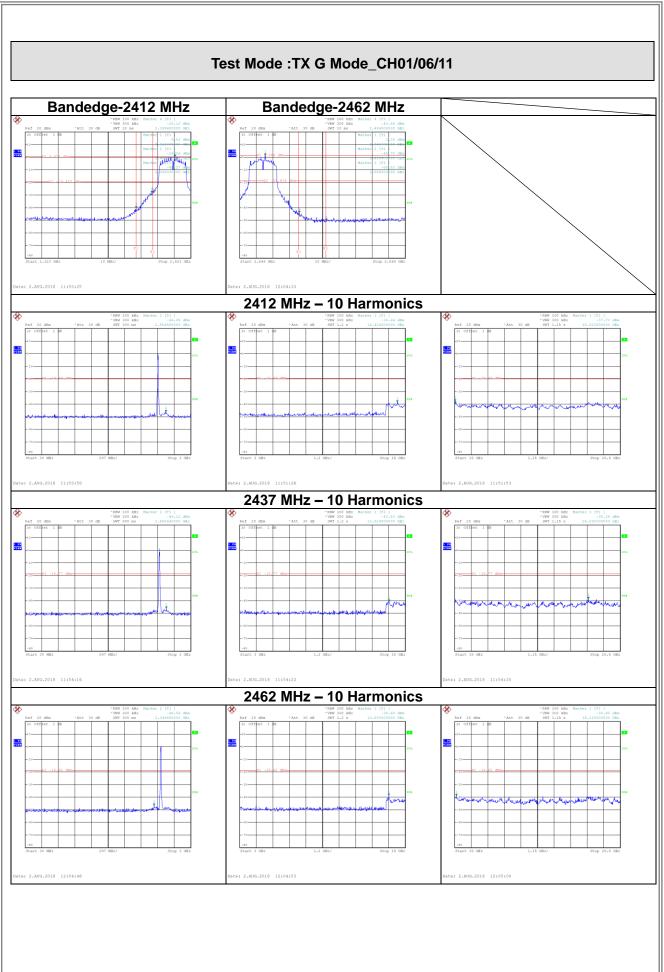






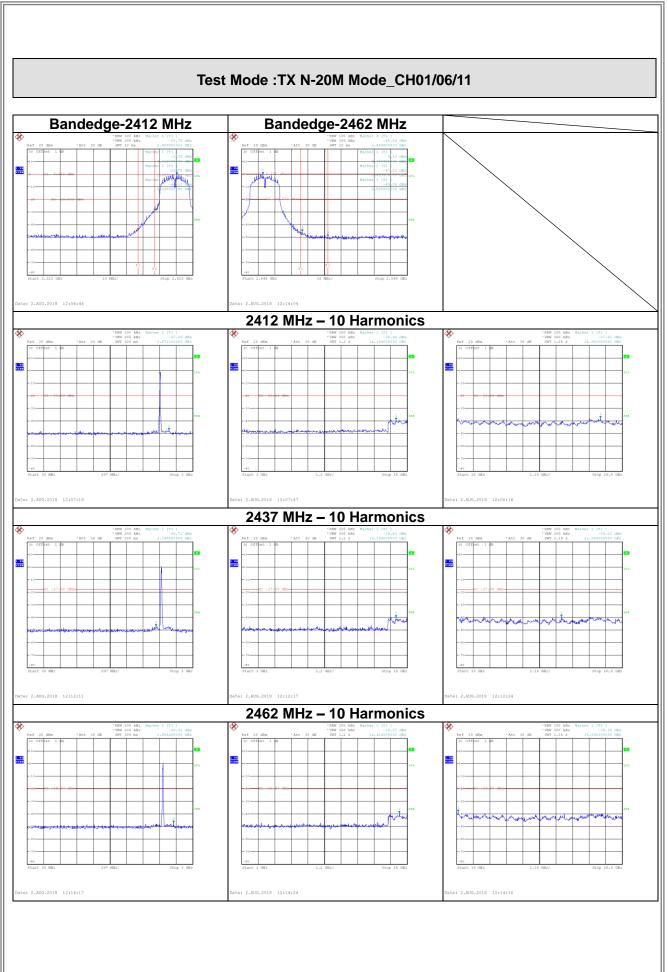
















ADDENDIVIL DOWED ODEOTDAL DENOITY	
APPENDIX H - POWER SPECTRAL DENSITY	

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Test Mode :TX B Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-13.89	0.04	8.00	Complies
2437	-14.59	0.03	8.00	Complies
2462	-12.69	0.05	8.00	Complies



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Test Mode :TX G Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-15.87	0.03	8.00	Complies
2437	-15.06	0.03	8.00	Complies
2462	-15.89	0.03	8.00	Complies



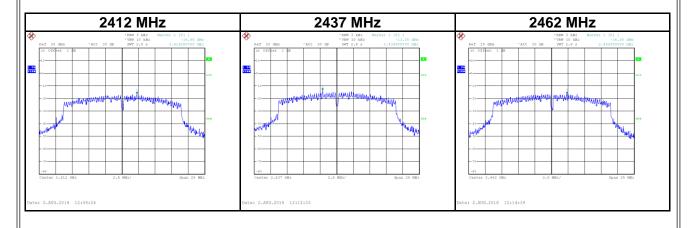
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Test Mode: TX N-20M Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-16.45	0.02	8.00	Complies
2437	-13.35	0.05	8.00	Complies
2462	-16.38	0.02	8.00	Complies



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