



# **FCC Radio Test Report**

**FCC ID: V7TN301V6** 

This report concerns: Original Grant

**Project No.** : 2011C135

**Equipment**: Wireless N300 Easy Setup Router

Brand Name : Tenda Test Model : N301 Series Model : N/A

Applicant : SHENZHEN TENDA TECHNOLOGY CO.,LTD

**Address**: 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan

District, Shenzhen, China. 518052

Manufacturer : SHENZHEN TENDA TECHNOLOGY CO.,LTD

Address : 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan

District, Shenzhen, China. 518052

Date of Receipt : Nov. 17, 2020

**Date of Test** : Nov. 17, 2020 ~ Dec. 14, 2020

**Issued Date** : Dec. 28, 2020

Report Version : R00

**Test Sample**: Engineering Sample No.: DG20201118147 for conducted,

DG20201118148 for radiated.

**Standard(s)** : FCC Part15, Subpart C (15.247)

ANSI C63.10-2013

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

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

Prepared by : Peggy Zhu

Approved by: Ethan Ma

lac-MRA



Certificate #5123.02

Add: No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

Tel: +86-769-8318-3000 Web: www.newbtl.com



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#### 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.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.



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# **REPORT ISSUED HISTORY**

Report Version	Description	Issued Date
R00	Original Issue.	Dec. 28, 2020



# 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart C (15.247)							
Standard(s) Section Test Item Te		Test Result	Judgment	Remark			
15.207	AC Power Line Conducted Emissions	APPENDIX A	PASS				
15.247(d) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS				
15.247(a)(2)	Bandwidth	APPENDIX E	PASS				
15.247(b)(3)	Maximum Output Power	APPENDIX F	PASS				
15.247(d)	Conducted Spurious Emissions	APPENDIX G	PASS				
15.247(e)	Power Spectral Density	APPENDIX H	PASS				
15.203	Antenna Requirement		PASS	Note(2)			

#### Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.



#### 1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

#### 1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

#### A. AC power line conducted emissions test:

	Test Site	Method	Measurement Frequency Range	U, (dB)
Ī	DG-C02	CISPR	150kHz ~ 30MHz	2.68

#### B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
		9kHz ~ 30MHz	-	3.02
		30MHz ~ 200MHz	V	4.26
DG-CB03 CISPR		30MHz ~ 200MHz	Н	3.38
		200MHz ~ 1,000MHz	V	3.98
	CISPR	200MHz ~ 1,000MHz	Η	3.94
		1GHz ~ 6GHz	•	3.96
		6GHz ~ 18GHz	-	5.24
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

#### C. Other Measurement:

Test Item	Uncertainty
Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Conducted Spurious Emission	±2.71 dB
Power Spectral Density	±0.86 dB
Temperature	±0.08 °C
Humidity	±1.5%

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



# 1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	25°C	53%	AC 120V/60Hz AC 240V/50Hz	Grani Zhou
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Grani Zhou
Radiated Emissions-30 MHz to 1GHz	26°C	52%	AC 120V/60Hz	Grani Zhou
Radiated Emissions-Above 1000 MHz	26°C	52%	AC 120V/60Hz	Grani Zhou
Bandwidth	20°C	39%	DC 9V	Hayden Chen
Maximum output power	20°C	39%	DC 9V	Evan Yang
Conducted Spurious Emissions	20°C	39%	DC 9V	Hayden Chen
Power Spectral Density	20°C	39%	DC 9V	Hayden Chen



# 2. GENERAL INFORMATION

#### 2.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless N300 Easy Setup Router			
Brand Name	Tenda			
Test Model	N301			
Series Model	N/A			
Model Difference(s)	N/A			
Power Source	DC voltage supplied from AC adapter. Model: BN003-A05009U			
Power Rating	I/P: 100-240V ~50/60Hz 0.3A O/P: 9.0V === 0.6A			
Operation Frequency	2412 MHz ~ 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 Peak Output Power	IEEE 802.11b: 20.06 dBm (0.1014 W) IEEE 802.11g: 28.26 dBm (0.6699 W) IEEE 802.11n (HT20): 29.91 dBm (0.9795 W) IEEE 802.11n (HT40): 28.47 dBm (0.7031 W)			
Maximum Average Output Power	IEEE 802.11b: 18.52 dBm (0.0711 W) IEEE 802.11g: 21.85 dBm (0.1531 W) IEEE 802.11n (HT20): 22.26 dBm (0.1683 W) IEEE 802.11n (HT40): 18.63 dBm (0.0729 W)			

#### 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 IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (HT20) CH03 - CH09 for IEEE 802.11n (HT40)							
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	80	2447	11	2462	
03	2422	06	2437	09	2452			

#### 3. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	5
2	N/A	N/A	Dipole	N/A	5

#### Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain =  $G_{ANT}$ +Array Gain. For power measurements, Array Gain=0dB ( $N_{ANT} \le 4$ ), so the Directional gain=5.
  - For power spectral density measurements,  $N_{ANT}=2$ ,  $N_{SS}=1$ .
  - So the Directional gain=G<sub>ANT</sub>+Array Gain=G<sub>ANT</sub>+10log(N<sub>ANT</sub>/ N<sub>SS</sub>)dBi=5+10log(2/1)dBi=8.01.
  - Then, the power spectral density limit is 8-(8.01-6)=5.99.
- 2) The antenna gain is provided by the manufacturer.



4. Table for Antenna Configuration:

Operating Mode TX Mode	1TX	2TX
IEEE 802.11b	V (Ant. 1)	-
IEEE 802.11g	V (Ant. 1)	-
IEEE 802.11n(HT20)	-	V (Ant. 1+Ant. 2)
IEEE 802.11n(HT40)	-	V (Ant. 1+Ant. 2)



# 2.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09
Mode 5	TX N-20 MHz Mode Channel 06

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

AC power line conducted emissions test	
Final Test Mode	Description
Mode 5	TX N-20 MHz Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 5	TX N-20 MHz Mode Channel 06

Radiated emissions test- Above 1GHz	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09

Conducted test	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09



#### NOTE:

- (1) The measurements are performed at the high, middle, low available channels.
- (2) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (3) For radiated emission below 1 GHz test, the IEEE 802.11n20 Channel 06 is found to be the worst case and recorded.
- (4) For radiated emission above 1 GHz test, 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.

#### 2.3 PARAMETERS OF TEST SOFTWARE

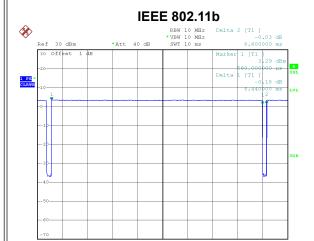
Test Software	MP_TEST.exe 1.3.8.0		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	22	33	37
IEEE 802.11g	45	53	45
IEEE 802.11n (HT20)	41	52	44
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	39	44	38





#### 2.4 DUTY CYCLE

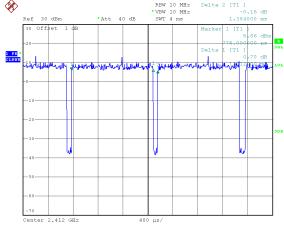
If duty cycle is  $\geq$  98 %, duty factor is not required. If duty cycle is < 98 %, duty factor shall be considered. The output power = measured power + duty factor.



Date: 23.NOV.2020 14:54:19

Duty cycle = 8.400 ms / 15.280 ms = 54.97% Duty Factor = 10 log(1/Duty cycle) = 2.60

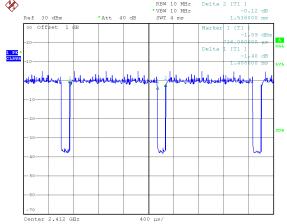
# IEEE 802.11n (HT20)



Date: 23.NOV.2020 11:50:25

Duty cycle = 1.312 ms / 1.384 ms = 94.80% Duty Factor = 10 log(1/Duty cycle) = 0.23

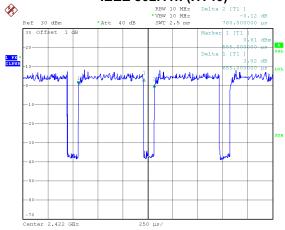
# IEEE 802.11g



Date: 23.NOV.2020 14:51:04

Duty cycle = 1.408 ms / 1.536 ms = 91.67% Duty Factor = 10 log(1/Duty cycle) = 0.38

#### IEEE 802.11n (HT40)



Date: 23.NOV.2020 11:50:47

Duty cycle = 0.655 ms / 0.760 ms = 86.18%Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.65$ 

#### NOTE:

For IEEE 802.11g and IEEE 802.11n (HT20):

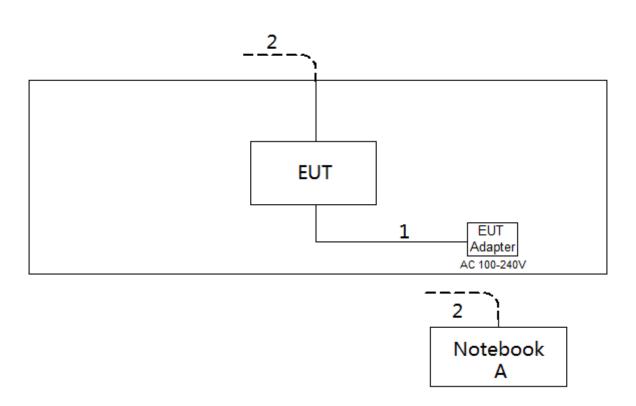
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

#### For IEEE 802.11n (HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).



# 2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



# 2.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
Α	Notebook	Dell	Inspiron 15-7559	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m
2	RJ45 Cable	NO	NO	10m



#### 3. AC POWER LINE CONDUCTED EMISSIONS TEST

#### **3.1 LIMIT**

Frequency of Emission (MHz)	Limit (dBμV)		
Frequency of Emission (WHZ)	Quasi-peak	Average	
0.15 - 0.5	66 to 56*	56 to 46*	
0.5 - 5.0	56	46	
5.0 - 30.0	60	50	

#### NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

I	The fellowing table is the esting of the reserver	
Receiver Parameters		Setting
Attenuation		10 dB
$\  \ $	Start Frequency	0.15 MHz
	Stop Frequency	30 MHz
II.	IF Bandwidth	9 kHz

#### 3.2 TEST PROCEDURE

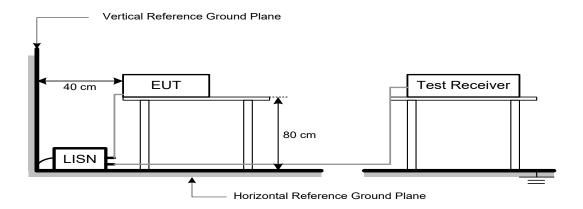
- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 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.

#### 3.3 DEVIATION FROM TEST STANDARD

No deviation



# 3.4 TEST SETUP



# 3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

# 3.6 TEST RESULTS

Please refer to the APPENDIX A.



# 4. RADIATED EMISSIONS TEST

#### **4.1 LIMIT**

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

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

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
Above 960	500	3

#### LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

Eroguopov (MHz)	(dBuV/m at 3 m)		
Frequency (MHz)	Peak	Average	
Above 1000	74	54	

#### NOTE:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).



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

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz 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 1 GHz)
- 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 1 GHz)
- 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 1 GHz.
- 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 1 GHz)
- 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 1 GHz)
- i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

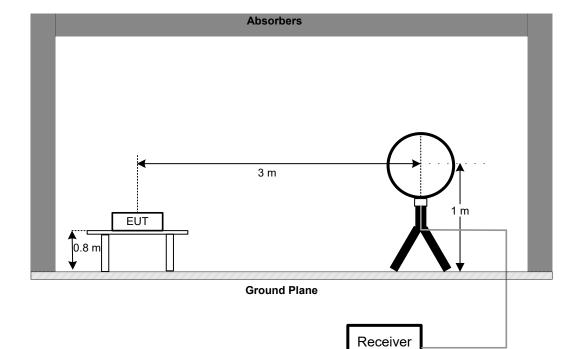
# 4.3 DEVIATION FROM TEST STANDARD

No deviation

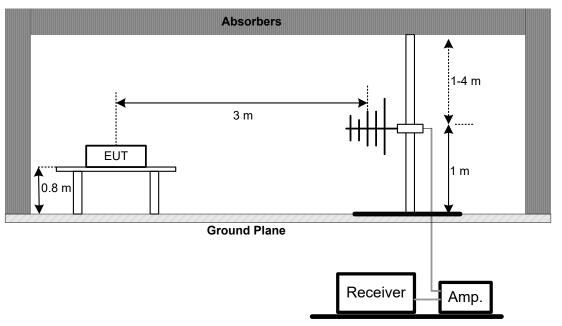


# 4.4 TEST SETUP

#### 9 kHz-30 MHz

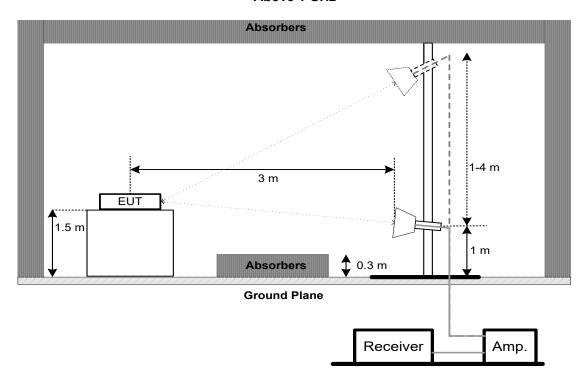


# 30 MHz to 1 GHz





#### **Above 1 GHz**



#### 4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B

#### Remark:

- (1) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

#### 4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

#### 4.8 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.



#### 5. BANDWIDTH TEST

#### **5.1 LIMIT**

FCC Part15, Subpart C (15.247)				
Section Test Item Limit				
15 247(a)/2)	6 dB Bandwidth	Minimum 500 kHz		
15.247(a)(2)	99% Emission Bandwidth	-		

#### **5.2 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:

For 6 dB Bandwidth: RBW= 100 kHz, VBW=300 kHz, Sweep time = auto.

For 99% Emission Bandwidth B/G/N-20 Mode: RBW= 300 KHz, VBW=1 MHz, Sweep time = 2.5 ms.

For 99% Emission Bandwidth N-40 Mode: RBW= 1 MHz, VBW=3 MHz, Sweep time = 2.5 ms.

c. The bandwidth was performed in accordance with method 11.8.1 of ANSI C63.10-2013.

#### 5.3 DEVIATION FROM STANDARD

No deviation.

#### **5.4 TEST SETUP**

EUT	•	SPECTRUM	
		ANALYZER	

#### 5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### **5.6 TEST RESULTS**

Please refer to the APPENDIX E.



#### 6. MAXIMUM OUTPUT POWER TEST

#### 6.1 LIMIT

FCC Part15, Subpart C (15.247)				
Section Test Item Limit				
15.247(b)(3) Maximum Output Power 1 Watt or 30dBm				

#### **6.2 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 conducted output power was performed in accordance with method 11.9.1.3 and 11.9.2.3.1 of ANSI C63.10-2013.

#### **6.3 DEVIATION FROM STANDARD**

No deviation.

#### **6.4 TEST SETUP**

EUT	Power Meter
	1 ower weter

#### **6.5 EUT OPERATION CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

#### **6.6 TEST RESULTS**

Please refer to the APPENDIX F.



#### 7. CONDUCTED SPURIOUS EMISSIONS

#### **7.1 LIMIT**

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

#### 7.2 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= 100 kHz, VBW=300 kHz, Sweep time = Auto.

#### 7.3 DEVIATION FROM STANDARD

No deviation.

#### 7.4 TEST SETUP

EUT	SPECTRUM	
	ANALYZER	

#### 7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 7.6 TEST RESULTS

Please refer to the APPENDIX G.



#### 8. POWER SPECTRAL DENSITY TEST

#### 8.1 LIMIT

FCC Part15, Subpart C (15.247)				
Section Test Item Limit				
15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)		

#### **8.2 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=3 kHz, VBW=10 kHz, Sweep time = Auto.
- c. The Power Spectral Density was performed in accordance with method 11.10.2 of ANSI C63.10-2013.

#### 8.3 DEVIATION FROM STANDARD

No deviation.

#### 8.4 TEST SETUP

EUT	SPECTRUM	
	ANALYZER	

#### 8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### **8.6 TEST RESULTS**

Please refer to the APPENDIX H.



# 9. MEASUREMENT INSTRUMENTS LIST

	AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until	
1	EMI Test Receiver	R&S	ESCI	100382	Feb. 28, 2021	
2	LISN	EMCO	3816/2	52765	Mar. 01, 2021	
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 28, 2021	
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 01, 2021	
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A	
6	Cable	N/A	RG223	12m	Mar. 10, 2021	
7	643 Shield Room	ETS	6*4*3m	N/A	N/A	

	Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until	
1	Antenna	EM	EM-6876-1	230	Apr. 16, 2021	
2	Cable	N/A	RG 213/U	N/A	May 29, 2021	
3	EMI Test Receiver	R&S	ESCI	100895	Feb. 28, 2021	
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A	
5	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021	

	Radiated Emissions - 30 MHz to 1 GHz										
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until						
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 09, 2021						
2*	Amplifier	HP	8447D	2944A09673	Aug. 11, 2021						
3	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2021						
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 22, 2021						
5	Controller	CT	SC100	N/A	N/A						
6	Controller	MF	MF-7802	MF780208416	N/A						
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A						
8	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021						

	Radiated Emissions - Above 1 GHz									
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until					
1	Double Ridged Guide Antenna	ETS	3115	75789	May 12, 2021					
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jul. 07, 2021					
3	Amplifier	Agilent	8449B	3008A02333	Mar. 01, 2021					
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 07, 2021					
5	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2021					
6	Controller	CT	SC100	N/A	N/A					
7	Controller	MF	MF-7802	MF780208416	N/A					
8	Cable	N/A	EMC104-SM-SM-6 000	N/A	May 09, 2021					
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A					
10	Filter	STI	STI15-9912	N/A	Jul. 25, 2021					
11	966 Chambe Room RM		9*6*6m	N/A	Jul. 25, 2021					



Bandwidth & Conducted Spurious Emissions & Power Spectral Density									
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until				
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 25, 2021				
2	RF Cable	Tongkaichuan	N/A	N/A	N/A				
3	DC Block	Mini	N/A	N/A	N/A				
4	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 11, 2021				

	Maximum Output Power										
Item	Kind of Equipment Manufacturer Type No. Serial No. Calibrated										
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Aug. 07, 2021						
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 25, 2021						
3	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 11, 2021						
4	RF Cable	Tongkaichuan	N/A	N/A	N/A						

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

Except \* item, all calibration period of equipment list is one year.

<sup>&</sup>quot;\*" calibration period of equipment list is three year.



# 10. EUT TEST PHOTO



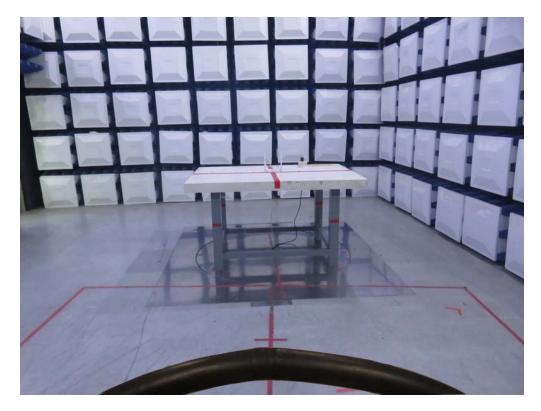






# **Radiated Emissions Test Photos**

9 kHz to 30 MHz







# **Radiated Emissions Test Photos**

# 30 MHz to 1 GHz







# **Radiated Emissions Test Photos**

# Above 1 GHz



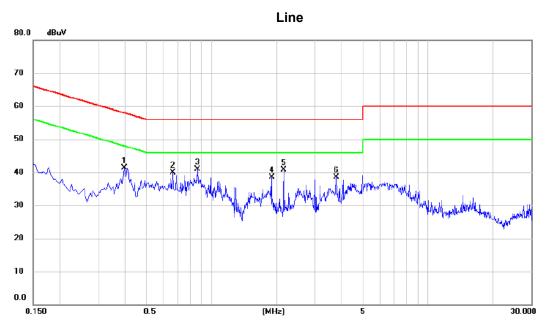




# **APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS**



<u> </u>	
Test Voltage	AC 120V/60Hz
Test Mode:	TX N20 Mode Channel 06

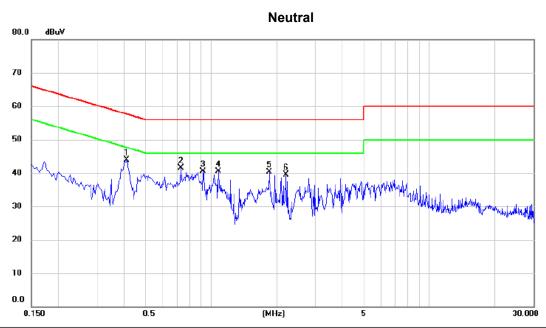


No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.3975	31.44	9.92	41.36	57.91	-16.55	peak	
2	0.6630	29.95	9.91	39.86	56.00	-16.14	peak	
3 *	0.8610	30.84	10.00	40.84	56.00	-15.16	peak	
4	1.8960	28.49	10.08	38.57	56.00	-17.43	peak	
5	2.1660	30.70	10.10	40.80	56.00	-15.20	peak	
6	3.7680	28.37	10.23	38.60	56.00	-17.40	peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Test Voltage	AC 120V/60Hz
Test Mode:	TX N20 Mode Channel 06

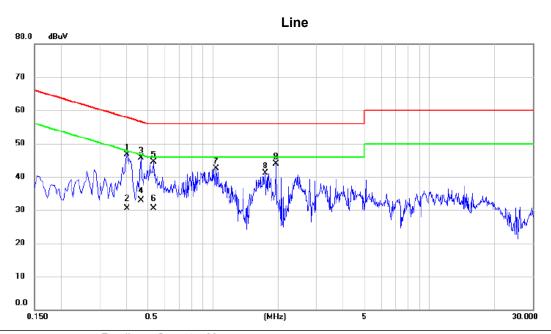


No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.4110	33.83	10.09	43.92	57.63	-13.71	peak	
2	0.7260	31.43	10.14	41.57	56.00	-14.43	peak	
3	0.9195	30.31	10.27	40.58	56.00	-15.42	peak	
4	1.0815	30.10	10.31	40.41	56.00	-15.59	peak	
5	1.8465	29.90	10.40	40.30	56.00	-15.70	peak	
6	2.2065	29.03	10.43	39.46	56.00	-16.54	peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Ш		
	9	AC 240V/50Hz
	Test Mode:	TX N20 Mode Channel 06

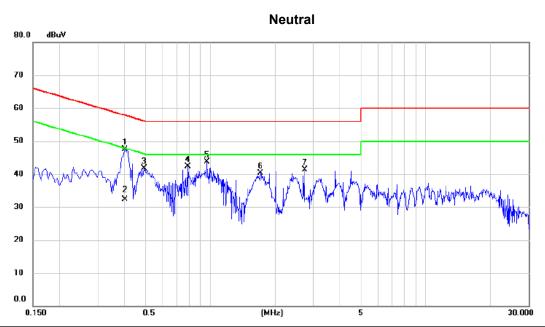


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.4020	36.86	9.92	46.78	57.81	-11.03	peak	
2		0.4020	20.60	9.92	30.52	47.81	-17.29	AVG	
3	*	0.4650	35.82	9.94	45.76	56.60	-10.84	peak	
4		0.4650	22.90	9.94	32.84	46.60	-13.76	AVG	
5		0.5325	34.47	9.95	44.42	56.00	-11.58	peak	
6		0.5325	20.60	9.95	30.55	46.00	-15.45	AVG	
7		1.0365	32.45	10.01	42.46	56.00	-13.54	peak	
8		1.7520	31.13	10.07	41.20	56.00	-14.80	peak	
9		1.9500	33.77	10.09	43.86	56.00	-12.14	peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



<u> </u>	
Test Voltage	AC 240V/50Hz
Test Mode:	TX N20 Mode Channel 06



No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.4020	37.36	10.09	47.45	57.81	-10.36	peak	
2	0.4020	22.30	10.09	32.39	47.81	-15.42	AVG	
3	0.4920	31.50	10.14	41.64	56.13	-14.49	peak	
4	0.7890	31.99	10.23	42.22	56.00	-13.78	peak	
5	0.9645	33.34	10.29	43.63	56.00	-12.37	peak	
6	1.7115	29.88	10.39	40.27	56.00	-15.73	peak	
7	2.7375	30.86	10.49	41.35	56.00	-14.65	peak	

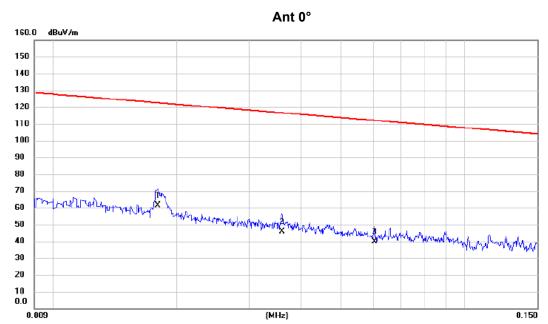
- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



# **APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ**



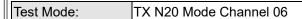
Test Mode: TX N20 Mode Channel 06

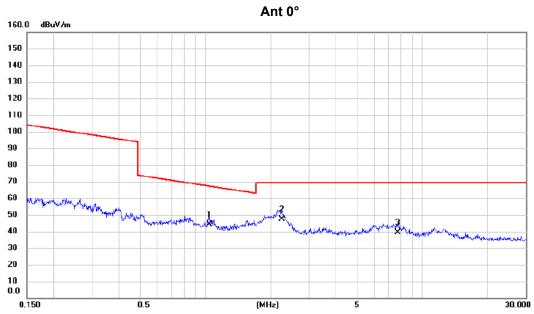


No. Mk.	Freq.	_	Correct Factor	Measure- ment		Margin	1	Antenna Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 *	0.0180	47.52	13.84	61.36	122.50	-61.14	AVG			
2	0.0360	33.02	12.79	45.81	116.48	-70.67	AVG			
3	0.0603	27.41	12.48	39.89	112.00	-72.11	AVG			

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.





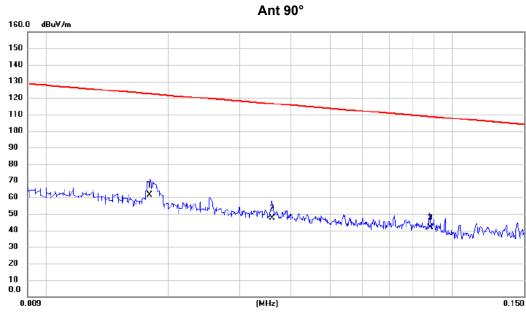


No. Mk.	Freq.	Reading Level		Measure- ment	Limit	Margin	1	Antenna Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	1.0430	32.58	11.77	44.35	67.24	-22.89	QP			
2 *	2.2486	36.13	11.18	47.31	69.54	-22.23	QP			
3	7.6870	28.03	11.31	39.34	69.54	-30.20	QP			

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





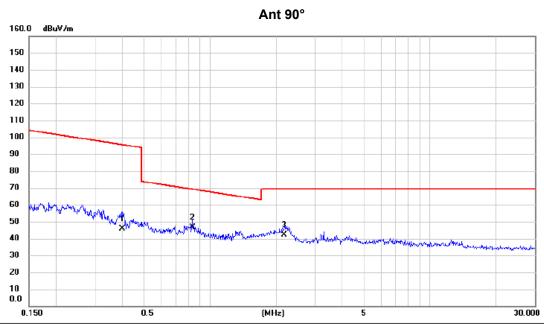


No. Mk.	Freq.	Reading Level		Measure- ment		Margir	1	Antenna Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 *	0.0180	47.58	13.84	61.42	122.50	-61.08	AVG			
2	0.0360	34.70	12.79	47.49	116.48	-68.99	AVG			
3	0.0881	29.14	12.65	41.79	108.71	-66.92	AVG			

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.







No. Mk.	Freq.	Reading Level		Measure- ment	Limit	Margir	1	Antenna Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	0.3997	33.67	12.26	45.93	95.57	-49.64	AVG			
2 *	0.8305	34.58	11.87	46.45	69.22	-22.77	QP			
3	2.1783	31.03	11.21	42.24	69.54	-27.30	QP			

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.

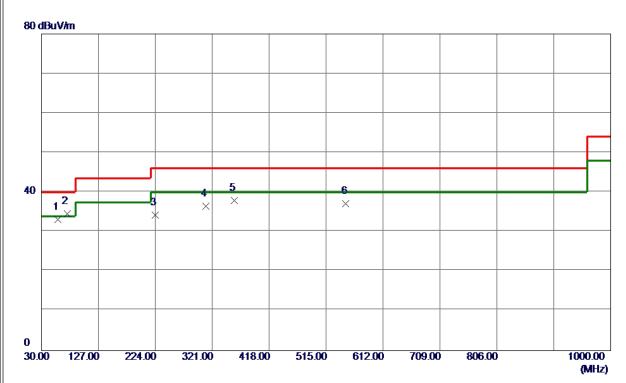


APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ



Test Mode: TX N20 Mode Channel 06

### Vertical



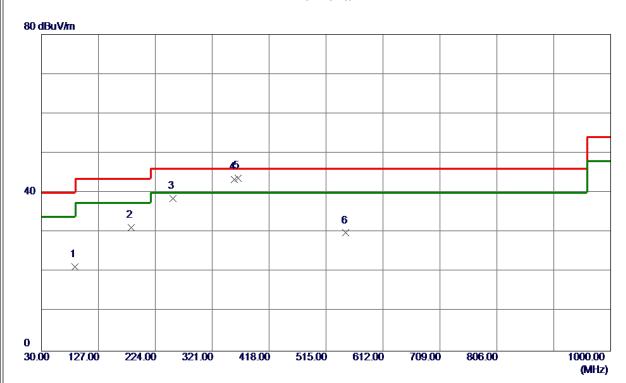
Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
58. 1300	47. 45	-14. 35	33. 10	40.00	-6. 90	Peak	
73.6500	51. 15	-16. 59	34. 56	40.00	-5. 44	Peak	
224. 0000	48. 29	-14. 09	34. 20	46.00	-11. 80	Peak	
310. 3299	47. 28	-10. 84	36. 44	46.00	-9. 56	Peak	
358. 8299	47. 97	-9. 99	37. 98	46.00	-8. 02	Peak	
548. 9500	43. 97	-6. 82	37. 15	46.00	-8. 85	Peak	
	MHz 58. 1300 73. 6500 224. 0000 310. 3299 358. 8299	MHz dBuV/m 58.1300 47.45	MHz         dBuV/m         dB           58.1300         47.45         -14.35           73.6500         51.15         -16.59           224.0000         48.29         -14.09           310.3299         47.28         -10.84           358.8299         47.97         -9.99	MHz         dBuV/m         dB         dBuV/m           58.1300         47.45         -14.35         33.10           73.6500         51.15         -16.59         34.56           224.0000         48.29         -14.09         34.20           310.3299         47.28         -10.84         36.44           358.8299         47.97         -9.99         37.98	MHz         dBuV/m         dB         dBuV/m         dBuV/m           58. 1300         47. 45         -14. 35         33. 10         40. 00           73. 6500         51. 15         -16. 59         34. 56         40. 00           224. 0000         48. 29         -14. 09         34. 20         46. 00           310. 3299         47. 28         -10. 84         36. 44         46. 00           358. 8299         47. 97         -9. 99         37. 98         46. 00	MHz         dBuV/m         dB         dBuV/m         dB uV/m         dB uV/m </td <td>MHz         dBuV/m         dB         dBuV/m         dBuV/m         dB         Detector           58. 1300         47. 45         -14. 35         33. 10         40. 00         -6. 90         Peak           73. 6500         51. 15         -16. 59         34. 56         40. 00         -5. 44         Peak           224. 0000         48. 29         -14. 09         34. 20         46. 00         -11. 80         Peak           310. 3299         47. 28         -10. 84         36. 44         46. 00         -9. 56         Peak           358. 8299         47. 97         -9. 99         37. 98         46. 00         -8. 02         Peak</td>	MHz         dBuV/m         dB         dBuV/m         dBuV/m         dB         Detector           58. 1300         47. 45         -14. 35         33. 10         40. 00         -6. 90         Peak           73. 6500         51. 15         -16. 59         34. 56         40. 00         -5. 44         Peak           224. 0000         48. 29         -14. 09         34. 20         46. 00         -11. 80         Peak           310. 3299         47. 28         -10. 84         36. 44         46. 00         -9. 56         Peak           358. 8299         47. 97         -9. 99         37. 98         46. 00         -8. 02         Peak

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX N20 Mode Channel 06

### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	87. 2300	37. 64	-16. 29	21. 35	40.00	-18.65	Peak	
2	183. 2600	44. 45	-13. 21	31. 24	43. 50	-12. 26	Peak	
3	254. 0700	51. 47	-12. 86	38. 61	46.00	-7. 39	Peak	
4	358. 8299	53. 31	-9. 99	43. 32	46.00	-2. 68	QP	
5 *	365. 6200	53. 47	-9.83	43.64	46.00	-2. 36	Peak	
6	548. 9500	36. 66	-6. 82	29. 84	46.00	-16. 16	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

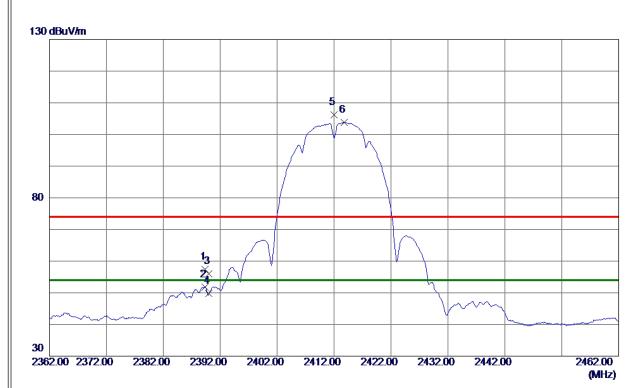


# **APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ**



Test Mode: TX B Mode 2412 MHz

### **Vertical**



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389. 3000	50. 16	7. 26	57. 42	74.00	-16. 58	Peak	
2	2389. 3000	44. 52	7. 26	51. 78	54.00	-2. 22	AVG	
3	2390. 0000	48. 83	7. 26	56. 09	74.00	-17. 91	Peak	
4	2390. 0000	42. 45	7. 26	49. 71	54. 00	-4. 29	AVG	
5	2412. 0000	98. 95	7. 26	106. 21	74.00	32. 21	Peak	No Limit
6 *	2413. 8000	96. 55	7. 26	103. 81	54. 00	49. 81	AVG	No Limit

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Test Mode: TX B Mode 2412 MHz

### Vertical





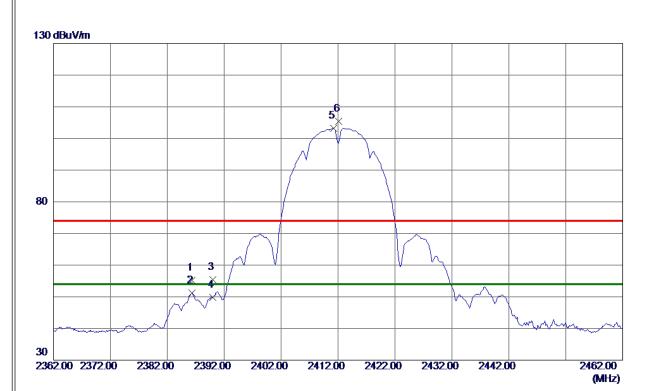
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4824. 0570	50. 19	4. 45	54. 64	74.00	-19. 36	Peak	
2 *	4824. 0790	47. 01	4. 45	51. 46	54.00	-2. 54	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX B Mode 2412 MHz

### Horizontal



No.	Freq.	keading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2386. 3000	47. 87	7. 26	55. 13	74.00	-18. 87	Peak	
2	2386. 3000	43. 97	7. 26	51. 23	54.00	-2. 77	AVG	
3	2390. 0000	48. 13	7. 26	55. 39	74.00	-18. 61	Peak	
4	2390. 0000	42. 49	7. 26	49. 75	54.00	<b>-4.</b> 25	AVG	
5 *	2411. 2000	95. 92	7. 26	103. 18	54.00	49. 18	AVG	No Limit
6	2412. 1000	98. 12	7. 26	105. 38	74.00	31. 38	Peak	No Limit

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

(MHz)



Test Mode: TX B Mode 2412 MHz

### Horizontal

## 80 dBuV/m **30 -20** 1000.00 3550.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00 6100.00

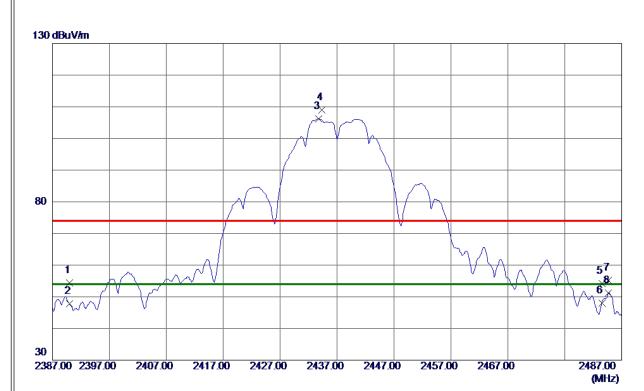
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4824. 0270	49. 15	4. 45	53. 60	74.00	-20.40	Peak	
2 *	4824. 0299	46. 54	4. 45	50. 99	54. 00	-3. 01	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX B Mode 2437 MHz

### **Vertical**



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	47. 16	7. 26	<b>54. 4</b> 2	74.00	-19. 58	Peak	
2	2390. 0000	40. 49	7. 26	47. 75	54.00	-6. 25	AVG	
3 *	2433. 8000	99. 01	7. 25	106. 26	54.00	52. 26	AVG	No Limit
4	2434. 3000	101. 75	7. 25	109. 00	74.00	35. 00	Peak	No Limit
5	2483. 5000	46. 98	7. 25	54. 23	74.00	-19. 77	Peak	
6	2483. 5000	40.83	7. 25	48. 08	54.00	-5. 92	AVG	
7	2484. 7000	47. 95	7. 25	55. 20	74.00	-18. 80	Peak	
8	2484. 7000	44. 00	7. 25	51. 25	54. 00	-2. 75	AVG	

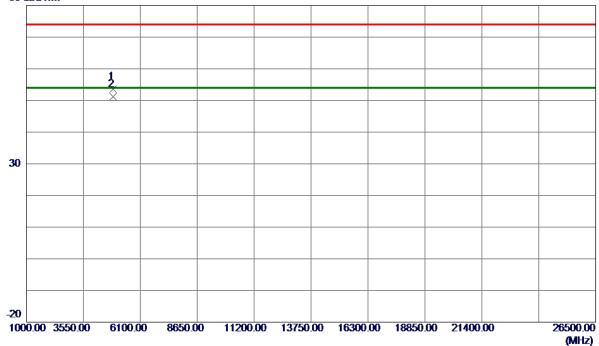
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Test Mode: TX B Mode 2437 MHz

### Vertical





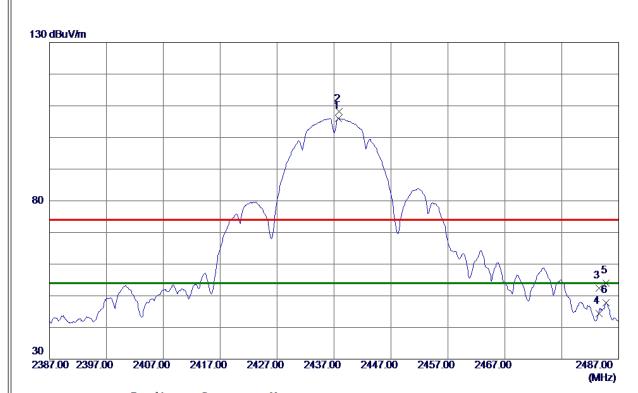
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874. 0179	49. 06	4. 58	53. 64	74.00	-20. 36	Peak	
2 *	4874. 0210	46. 70	4. 58	51. 28	54.00	-2. 72	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX B Mode 2437 MHz

### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2437. 8000	98. 78	7. 25	106. 03	54.00	52. 03	AVG	No Limit
2	2437. 9000	100.88	7. 25	108. 13	74.00	34. 13	Peak	No Limit
3	2483. 5000	45. 07	7. 25	52. 32	74.00	-21. 68	Peak	
4	2483. 5000	37. 18	7. 25	44. 43	54.00	-9. 57	AVG	
5	2484. 8000	46. 67	7. 25	53. 92	74.00	-20. 08	Peak	
6	2484. 8000	40. 63	7. 25	47. 88	54.00	-6. 12	AVG	
I								

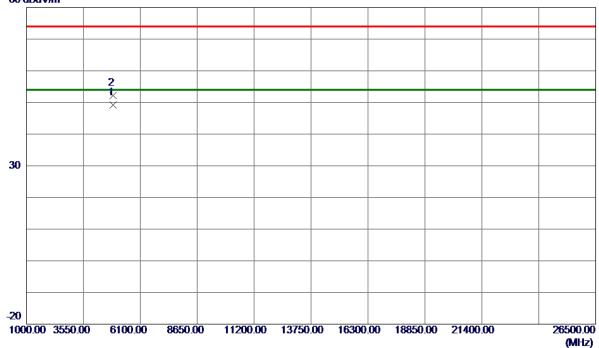
- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX B Mode 2437 MHz

### Horizontal

### 80 dBuV/m



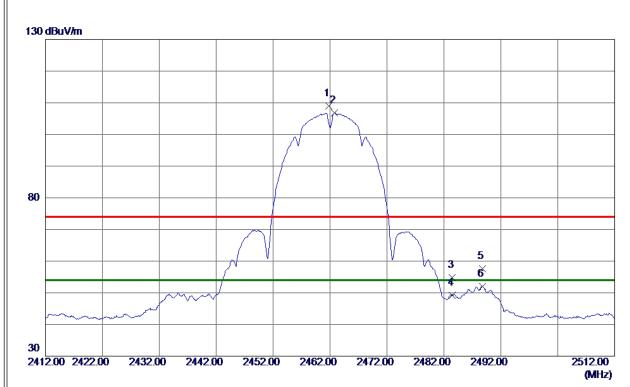
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874. 0330	44. 70	4. 58	49. 28	54.00	<b>-4.</b> 72	AVG	
2	4874. 0440	47. 63	4. 58	52. 21	74.00	-21. 79	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX B Mode 2462 MHz

### **Vertical**



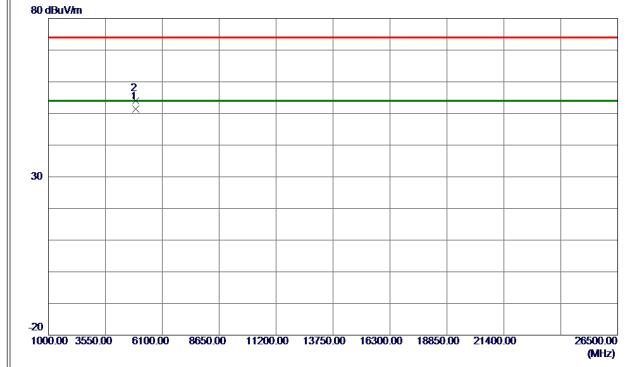
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2461.8000	101. 74	7. 25	108. 99	74.00	34. 99	Peak	No Limit
2 *	2462. 8000	99. 51	7. 25	106. 76	54.00	52. 76	AVG	No Limit
3	2483. 5000	47. 52	7. 25	54. 77	74.00	-19. 23	Peak	
4	2483. 5000	41. 92	7. 25	49. 17	54.00	-4. 83	AVG	
5	2488. 8000	50. 43	7. 25	57. 68	74.00	-16. 32	Peak	
6	2488. 8000	44. 68	7. 25	51. 93	54. 00	-2. 07	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Test Mode: TX B Mode 2462 MHz

### Vertical



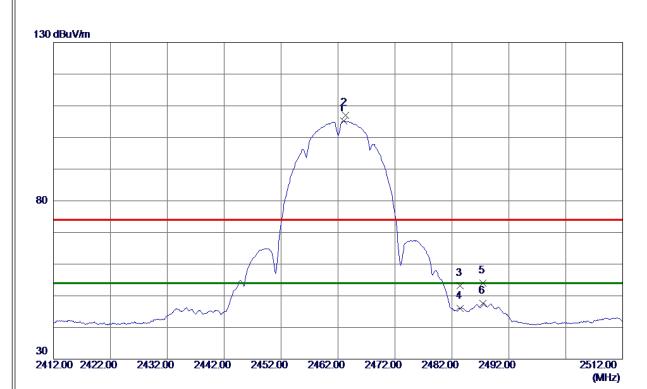
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924. 0600	46. 73	4. 72	51. 45	<b>54.00</b>	-2. 55	AVG	
2	4924. 0640	49. 32	4. 72	54. 04	74. 00	-19. 96	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX B Mode 2462 MHz

### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2463. 0000	97. 89	7. 25	105. 14	54.00	51. 14	AVG	No Limit
2	2463. 3000	99. 83	7. 25	107. 08	74.00	33. 08	Peak	No Limit
3	2483. 5000	45. 95	7. 25	53. 20	74.00	-20. 80	Peak	
4	2483. 5000	38. 83	7. 25	46. 08	54.00	<b>−7. 92</b>	AVG	
5	2487. 5000	46. 68	7. 25	53. 93	74.00	-20. 07	Peak	
6	2487. 5000	40. 27	7. 25	47. 52	54.00	<b>-6. 48</b>	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX B Mode 2462 MHz

### Horizontal

## 80 dBuV/m



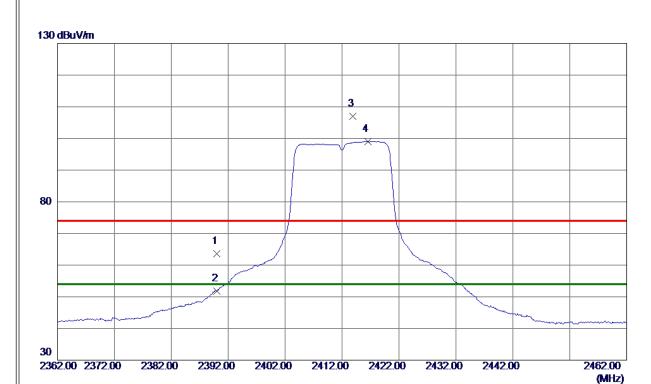
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924. 0350	48. 39	4. 72	53. 11	74.00	-20.89	Peak	
2 *	4924. 0900	45. 26	4. 72	49. 98	54.00	<b>-4. 0</b> 2	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2412 MHz

### Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	56. 26	7. 26	63. 52	74.00	-10. 48	Peak	
2	2390. 0000	44. 52	7. 26	51. 78	54.00	-2. 22	AVG	
3	2413. 9000	99. 71	7. 26	106. 97	74.00	32. 97	Peak	No Limit
4 *	2416. 5000	91. 73	7. 26	98. 99	54.00	44. 99	AVG	No Limit

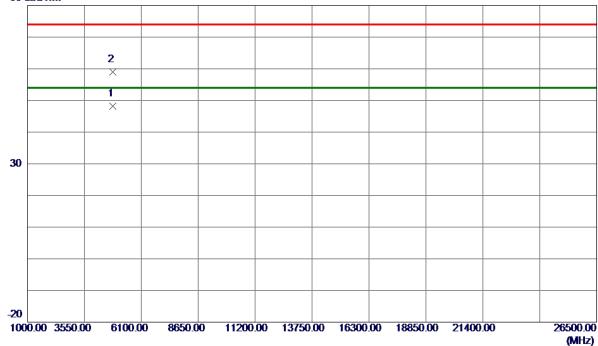
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2412 MHz

### Vertical

### 80 dBuV/m



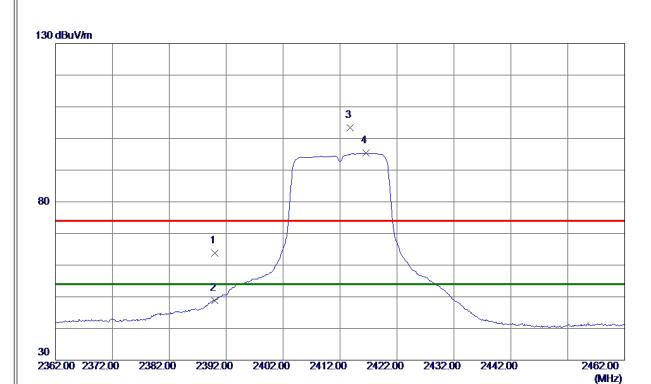
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824. 0500	43.83	4. 45	48. 28	54.00	-5. 72	AVG	
2	4824. 1000	54. 60	4. 45	59. 05	74.00	-14. 95	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2412 MHz

### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	<b>56. 56</b>	7. 26	63. 82	74.00	-10. 18	Peak	
2	2390. 0000	41. 45	7. 26	48. 71	<b>54.00</b>	-5. 29	AVG	
3	2413. 8000	96. 15	7. 26	103. 41	74.00	29. 41	Peak	No Limit
4 *	2416. 6000	88. 05	7. 26	95. 31	<b>54.00</b>	41. 31	AVG	No Limit

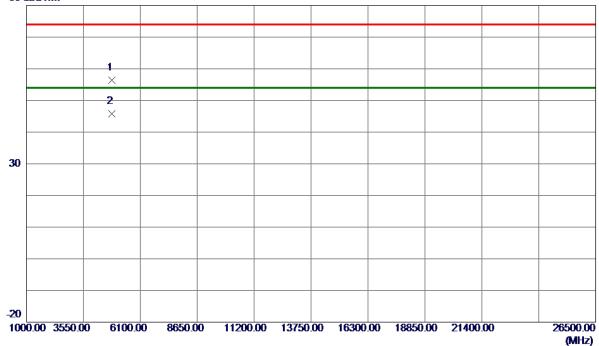
- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2412 MHz

### Horizontal

### 80 dBuV/m



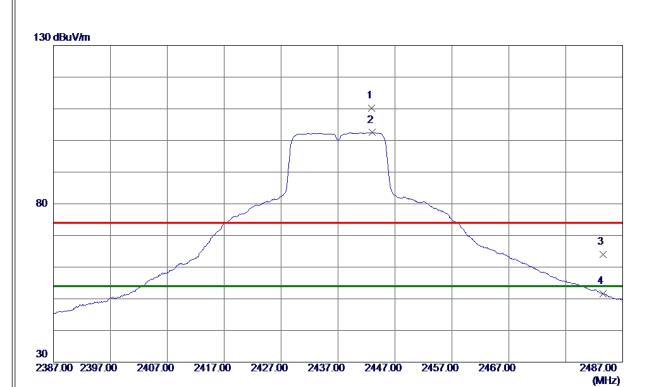
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823. 9000	52. 01	4. 45	56. 46	74.00	-17. 54	Peak	
2 *	4823. 9750	41. 28	4. 45	45. 73	54. 00	-8. 27	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2437 MHz

### **Vertical**



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2442. 9000	103. 04	7. 25	110. 29	74.00	36. 29	Peak	No Limit
2 *	2443. 0000	95. 25	7. 25	102. 50	54.00	48. 50	AVG	No Limit
3	2483. 5000	56. 77	7. 25	64. 02	74.00	-9. 98	Peak	
4	2483. 5000	44. 42	7. 25	51. 67	54. 00	-2. 33	AVG	

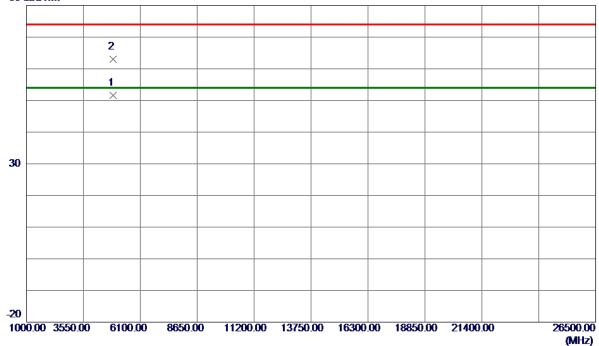
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2437 MHz

### Vertical

### 80 dBuV/m



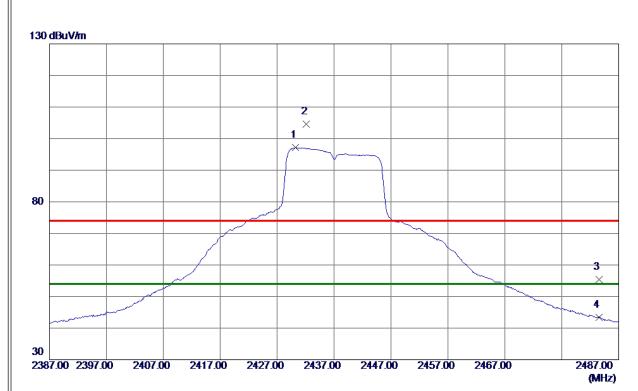
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874. 0000	47. 09	4. 58	51. 67	54.00	-2. 33	AVG	
2	4875. 2000	58. 41	4. 59	63. 00	74.00	-11.00	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2437 MHz

### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2430. 2000	89. 88	7. 25	97. 13	<b>54.00</b>	43. 13	AVG	No Limit
2	2432. 1000	97. 39	7. 25	104. 64	74.00	30. 64	Peak	No Limit
3	2483. 5000	48. 06	7. 25	55. 31	74.00	-18. 69	Peak	
4	2483. 5000	36. 08	7. 25	43. 33	<b>54. 00</b>	-10. 67	AVG	

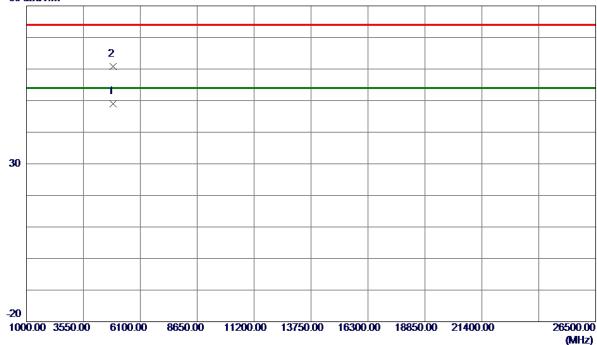
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2437 MHz

### Horizontal

### 80 dBuV/m



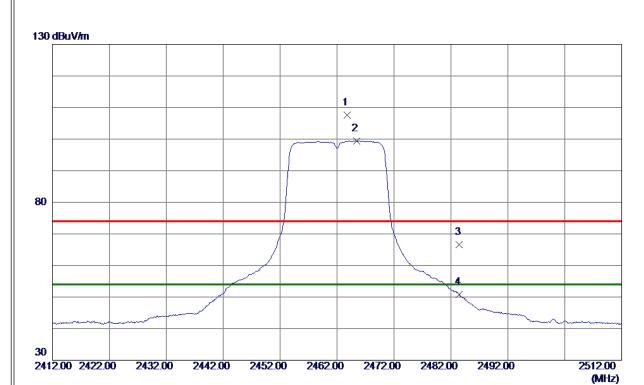
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874. 1000	44. 48	4. 58	49. 06	54.00	-4. 94	AVG	
2	4874. 1750	56. 28	4. 58	60. 86	74. 00	-13. 14	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2462 MHz

### Vertical



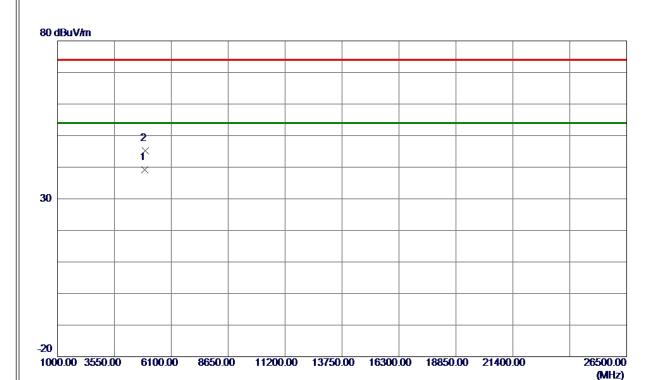
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2463. 8000	100. 33	7. 25	107. 58	74.00	33. 58	Peak	No Limit
2 *	2465. 4000	92. 13	7. 25	99. 38	54.00	45. 38	AVG	No Limit
3	2483. 5000	59. 32	7. 25	66. 57	74.00	<b>−7. 43</b>	Peak	
4	2483. 5000	43. 52	7. 25	50. 77	54. 00	-3. 23	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2462 MHz

### Vertical



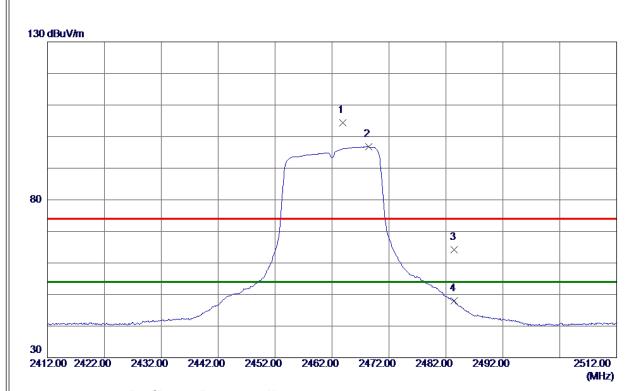
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1 *	4923. 8000	34. 45	4. 72	39. 17	54.00	-14. 83	AVG		
2	4924. 3000	40. 47	4. 72	45. 19	74.00	-28. 81	Peak		

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2462 MHz

### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2463. 9000	97. 06	7. 25	104. 31	74.00	30. 31	Peak	No Limit
2 *	2468. 4000	89. 54	7. 25	96. 79	54.00	42. 79	AVG	No Limit
3	2483. 5000	57. 03	7. 25	64. 28	74.00	<b>-9.</b> 72	Peak	
4	2483. 5000	40. 67	7. 25	47. 92	54. 00	-6. 08	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Test Mode: TX G Mode 2462 MHz

### Horizontal



-20 1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 (MHz)

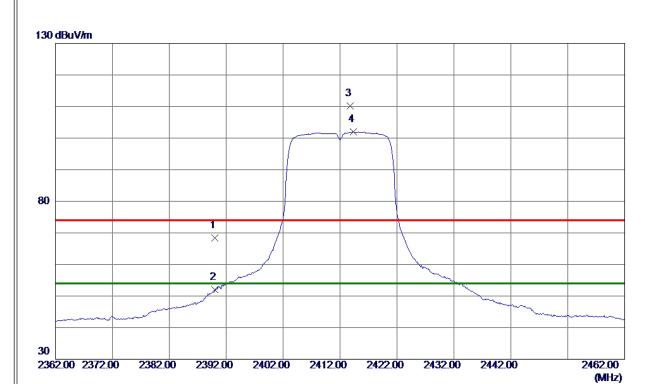
N	0.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4924. 2000	32. 33	4. 72	37. 05	54.00	-16. 95	AVG	
2		4925. 3000	43. 37	4. 72	48. 09	74.00	-25. 91	Peak	
_									

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Test Mode: TX N-20M Mode 2412 MHz

### Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	61. 22	7. 26	68. 48	74.00	-5. 52	Peak	
2	2390.0000	44. 69	7. 26	51. 95	54.00	-2. 05	AVG	
3	2413. 8000	102. 91	7. 26	110. 17	74.00	36. 17	Peak	No Limit
4 *	2414. 3000	94. 69	7. 26	101. 95	54.00	47. 95	AVG	No Limit

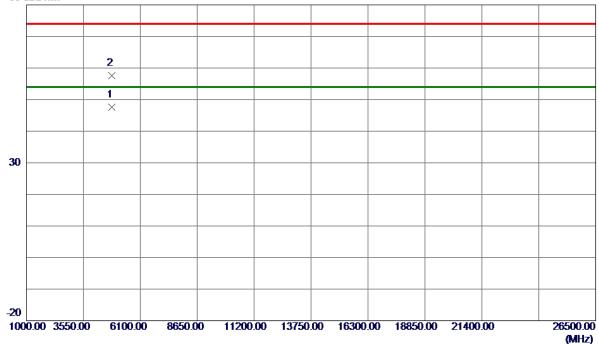
- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode: TX N-20M Mode 2412 MHz

### Vertical

### 80 dBuV/m



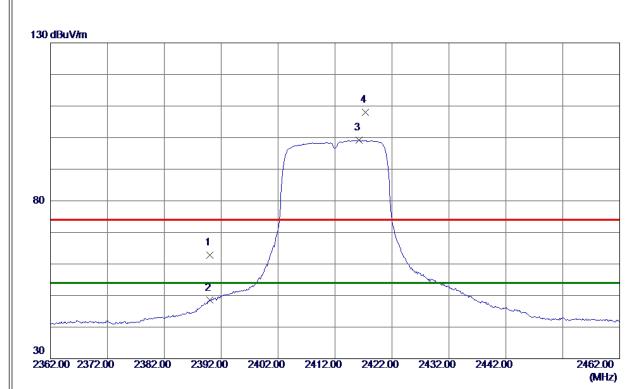
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823. 3750	43. 16	4. 45	47. 61	54.00	-6. 39	AVG	
2	4826. 9000	53. 09	4. 46	57. 55	74.00	-16. 45	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



Test Mode: TX N-20M Mode 2412 MHz

### Horizontal



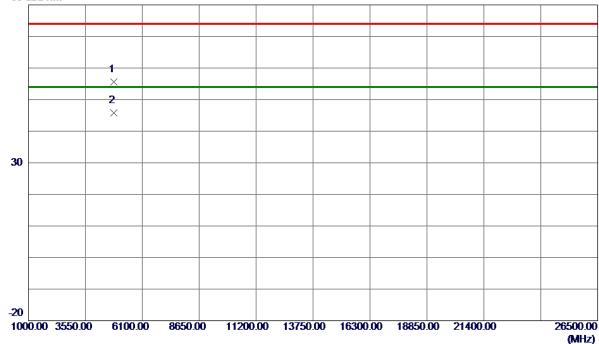
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	55. 59	7. 26	62. 85	74.00	-11. 15	Peak	
2	2390. 0000	41. 24	7. 26	48. 50	<b>54.00</b>	-5. 50	AVG	
3 *	2416. 2000	91. 94	7. 26	99. 20	<b>54.00</b>	<b>45</b> . 20	AVG	No Limit
4	2417. 3000	100.82	7. 26	108. 08	74.00	34. 08	Peak	No Limit

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Horizontal

# 80 dBuV/m

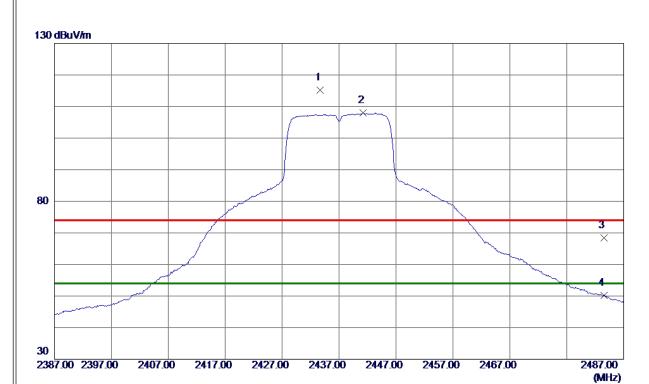


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4814. 6000	51. 18	4. 43	55. 61	74.00	-18. 39	Peak	
2 *	4823. 4500	41. 26	4. 45	45. 71	<b>54.00</b>	-8. 29	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



# Vertical



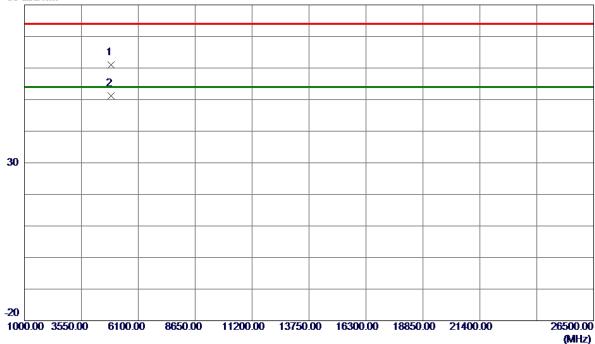
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2433. 7000	107. 94	7. 25	115. 19	74.00	41. 19	Peak	No Limit
2 *	2441. 2000	100.66	7. 25	107. 91	54.00	53. 91	AVG	No Limit
3	2483. 5000	61. 14	7. 25	68. 39	74.00	-5. 61	Peak	
4	2483. 5000	43. 04	7. 25	50. 29	54. 00	-3. 71	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Vertical

# 80 dBuV/m

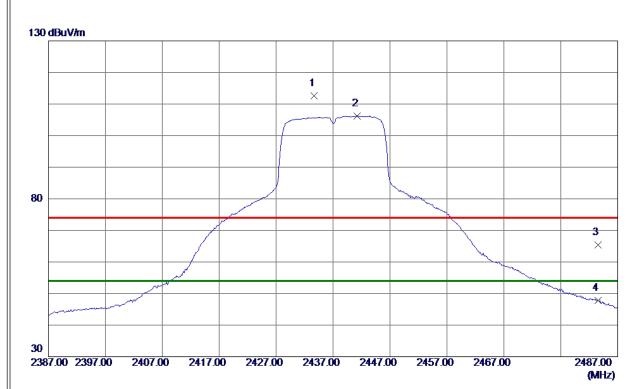


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4872. 8500	56. 50	4. 58	61. 08	74.00	-12. 92	Peak	
2 *	4873. 4250	46. 67	4. 58	51. 25	54.00	-2. 75	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Horizontal



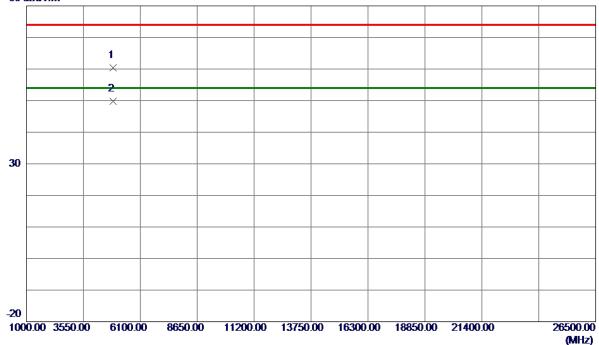
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2433. 7000	105. 30	7. 25	112. 55	74.00	38. 55	Peak	No Limit
2 *	2441. 2000	98. 99	7. 25	106. 24	54.00	52. 24	AVG	No Limit
3	2483. 5000	58. <b>0</b> 8	7. 25	65. 33	74.00	-8. 67	Peak	
4	2483. 5000	40. 55	7. 25	47. 80	54. 00	-6. 20	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Horizontal

# 80 dBuV/m

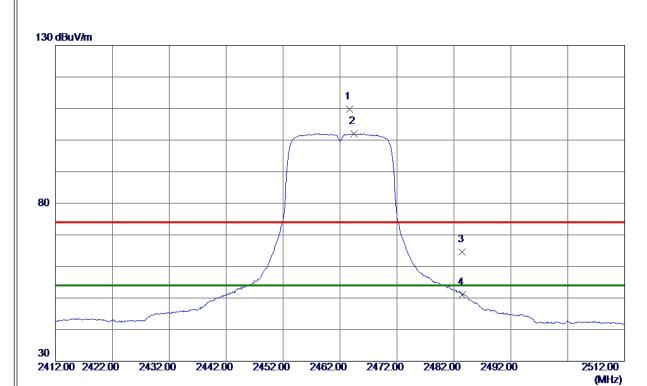


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4872. 7250	55. 76	4. 58	60. 34	74.00	-13. 66	Peak	
2 *	4873. 3750	45. 22	4. 58	49. 80	54.00	-4. 20	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



# Vertical



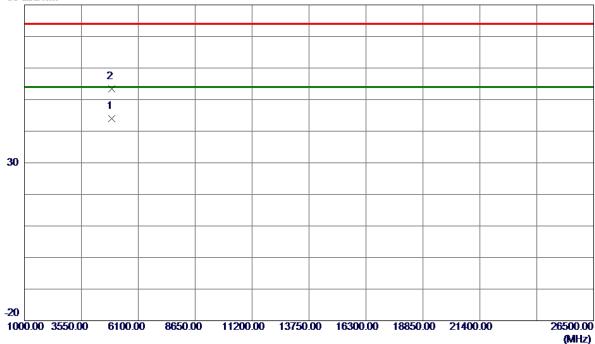
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2463. 7000	102. 51	7. 25	109. 76	74.00	35. 76	Peak	No Limit
2 *	2464. 4000	94. 78	7. 25	102. 03	54.00	48. 03	AVG	No Limit
3	2483. 5000	57. 41	7. 25	64. 66	74.00	-9. 34	Peak	
4	2483. 5000	43. 80	7. 25	51. 05	54.00	<b>−2. 95</b>	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Vertical

# 80 dBuV/m

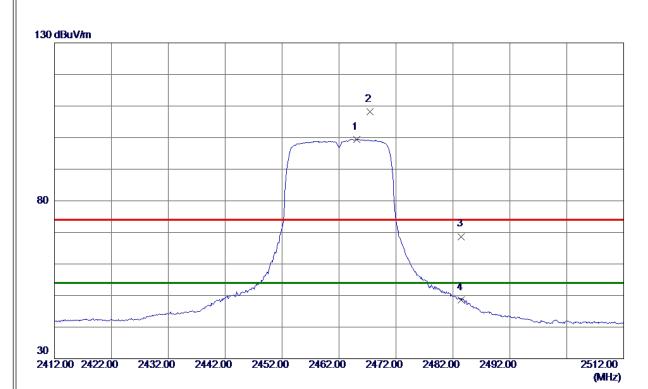


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923. 5750	39. 33	4. 72	44. 05	54.00	-9. 95	AVG	
2	4924. 1250	48. 69	4. 72	53. 41	74.00	-20. 59	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Horizontal



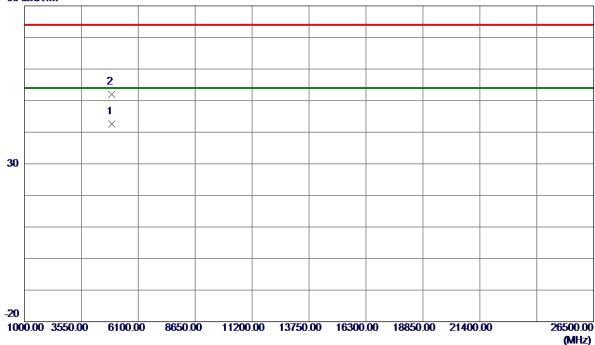
No.	Freq.	Keading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2465. 1000	92. 19	7. 25	99. 44	<b>54.00</b>	45. 44	AVG	No Limit
2	2467. 4000	100. 91	7. 25	108. 16	74.00	34. 16	Peak	No Limit
3	2483. 5000	61. 45	7. 25	68. 70	74.00	-5. 30	Peak	
4	2483. 5000	41. 39	7. 25	48. 64	<b>54.00</b>	-5. 36	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Horizontal

# 80 dBuV/m



	No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
l		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
l	1 *	4923. 4500	37. 93	4. 72	42.65	54.00	-11. 35	AVG	
ı	2	4923. 8000	47. 33	4. 72	52. 05	74.00	-21. 95	Peak	
ı									

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.

2482.00

2462.00

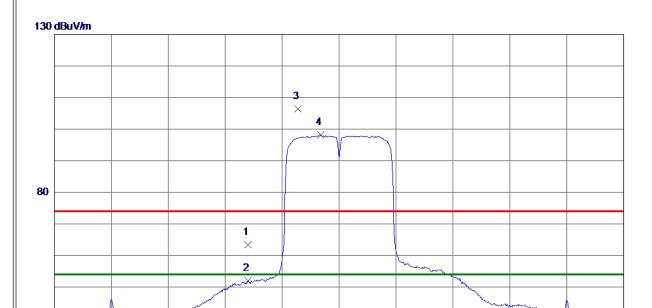
2522.00

(MHz)



Test Mode: TX N-40M Mode 2422MHz

# Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	56. 18	7. 26	63. 44	74.00	-10. 56	Peak	
2	2390. 0000	44. 67	7. 26	51. 93	54.00	-2.07	AVG	
3	2407. 6000	99. 11	7. 26	106. 37	74.00	32. 37	Peak	No Limit
4 *	2415, 6000	90. 93	7. 26	98. 19	54. 00	44. 19	AVG	No Limit

2422.00

2442.00

### **REMARKS**:

2322.00 2342.00

(1) Measurement Value = Reading Level + Correct Factor.

2382.00

2362.00

2402.00

(2) Margin Level = Measurement Value - Limit Value.



### Vertical



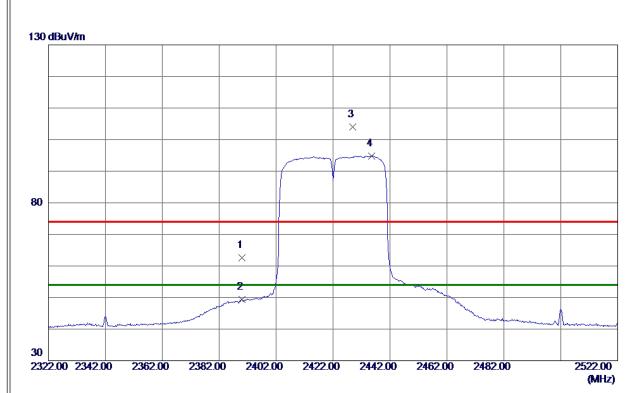


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4843. 3500	38. 61	4. 50	43. 11	54.00	-10.89	AVG	
2	4844. 2000	47. 91	4. 50	52. 41	74.00	-21. 59	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Horizontal



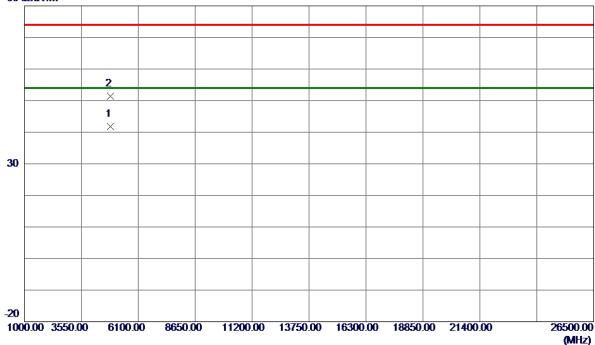
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	55. 34	7. 26	62. 60	74.00	-11. 40	Peak	
2	2390. 0000	42. 08	7. 26	49. 34	54.00	-4. 66	AVG	
3	2428. 8000	96. 74	7. 25	103. 99	74.00	29. 99	Peak	No Limit
4 *	2435. 6000	87. 61	7. 25	94. 86	54. 00	40.86	AVG	No Limit

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Horizontal

# 80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4839.6500	37. 33	4. 49	41.82	<b>54.00</b>	-12. 18	AVG	
2	4847. 0500	46. 86	4. 51	51. 37	74.00	-22. 63	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.

2497.00

2477.00

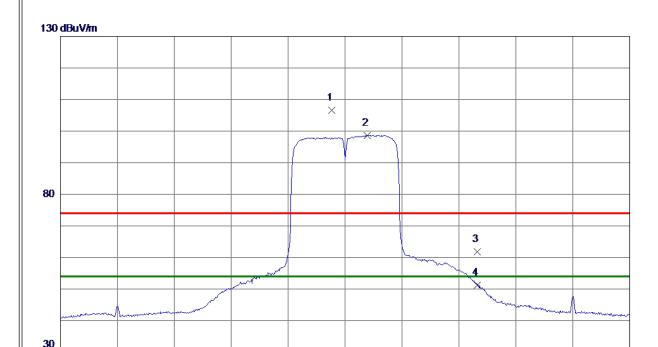
2537.00

(MHz)



Test Mode: TX N-40M Mode 2437 MHz

# Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2432. 4000	99. 42	7. 25	106. 67	74.00	32. 67	Peak	No Limit
2 *	2444. 8000	91. 43	7. 25	98. 68	54.00	44. 68	AVG	No Limit
3	2483. 5000	54. 59	7. 25	61.84	74.00	-12. 16	Peak	
4	2483. 5000	43.88	7. 25	51. 13	54. 00	-2.87	AVG	

2437.00

2457.00

2417.00

### **REMARKS**:

2337.00 2357.00

(1) Measurement Value = Reading Level + Correct Factor.

2397.00

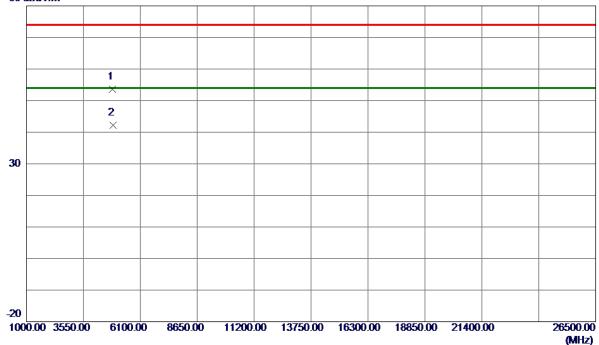
2377.00

(2) Margin Level = Measurement Value - Limit Value.



### Vertical

# 80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4854. 2500	49. 14	4. 53	53. 67	74.00	-20. 33	Peak	
2 *	4873. 3000	37. 63	4. 58	42. 21	54. 00	-11. 79	AVG	

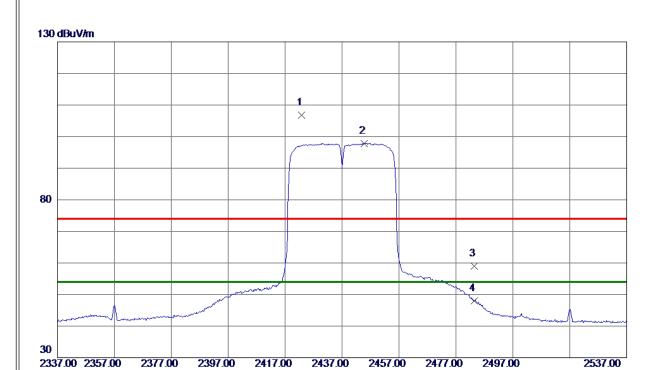
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.

(MHz)



Test Mode: TX N-40M Mode 2437 MHz

### Horizontal



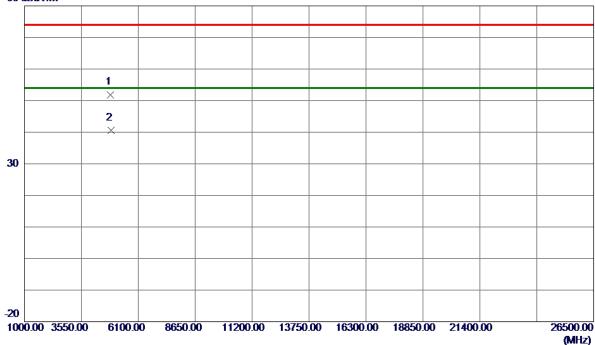
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2422. 8000	99. 60	7. 26	106. 86	74.00	32. 86	Peak	No Limit
2 *	2444. 8000	90. 63	7. 25	97. 88	54.00	43.88	AVG	No Limit
3	2483. 5000	51. 67	7. 25	58. 92	74.00	-15. 08	Peak	
4	2483. 5000	40. 74	7. 25	47. 99	54. 00	-6. 01	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Horizontal

# 80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4854. 2500	47. 37	4. 53	51. 90	74.00	-22. 10	Peak	
2 *	4873. 3500	35. 99	4. 58	40. 57	54.00	-13. 43	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.

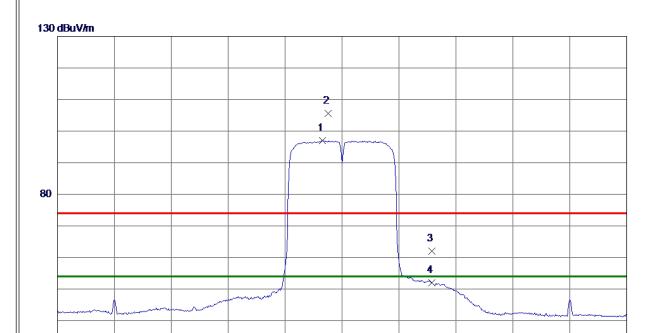
2552.00

(MHz)



Test Mode: TX N-40M Mode 2452 MHz

# Vertical



Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
2445. 2000	89. 77	7. 25	97. 02	<b>54.00</b>	43.02	AVG	No Limit
2447. 2000	98. 35	7. 25	105. 60	74.00	31. 60	Peak	No Limit
2483. 5000	54. 69	7. 25	61. 94	74.00	-12.06	Peak	
2483. 5000	44. 71	7. 25	51. 96	<b>54.00</b>	-2. 04	AVG	
	MHz 2445. 2000 2447. 2000 2483. 5000	Freq. Level	Hreq. Level Factor MHz dBuV/m dB 2445.2000 89.77 7.25 2447.2000 98.35 7.25 2483.5000 54.69 7.25	MHz         dBuV/m         dB         dBuV/m           2445. 2000         89. 77         7. 25         97. 02           2447. 2000         98. 35         7. 25         105. 60           2483. 5000         54. 69         7. 25         61. 94	MHz         dBuV/m         dB         dBuV/m         dBuV/m           2445. 2000 89. 77         7. 25         97. 02         54. 00           2447. 2000 98. 35         7. 25         105. 60         74. 00           2483. 5000 54. 69         7. 25         61. 94         74. 00	MHz         dBuV/m         dB         dBuV/m         dB         dBuV/m         dB           2445. 2000         89. 77         7. 25         97. 02         54. 00         43. 02           2447. 2000         98. 35         7. 25         105. 60         74. 00         31. 60           2483. 5000         54. 69         7. 25         61. 94         74. 00         -12. 06	MHz         dBuV/m         dB         dBuV/m         dBuV/m         dB         Detector           2445. 2000 89. 77         7. 25         97. 02         54. 00         43. 02         AVG           2447. 2000 98. 35         7. 25         105. 60         74. 00         31. 60         Peak           2483. 5000 54. 69         7. 25         61. 94         74. 00         -12. 06         Peak

2452.00

2472.00

2432.00

2492.00

2512.00

### **REMARKS**:

2352.00 2372.00

2392.00

2412.00

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.

(MHz)



Test Mode: TX N-40M Mode 2452 MHz

### Vertical

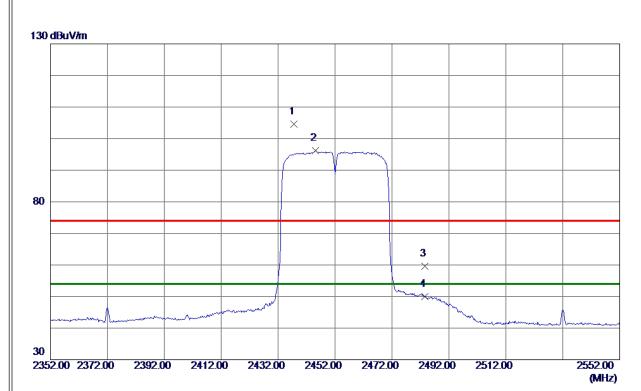


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4903. 1500	33. 45	4. 66	38. 11	54. 00	-15. 89	AVG	
2	4903, 2500	44. 74	4. 66	49. 40	74. 00	-24. 60	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Horizontal



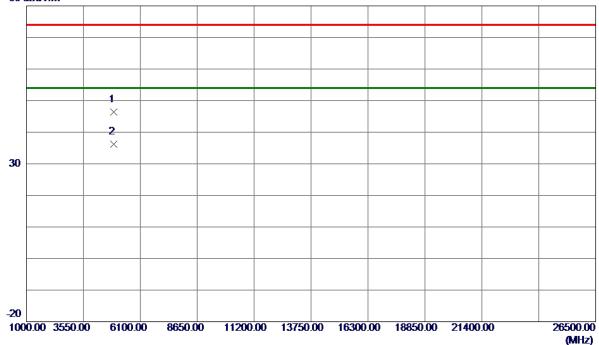
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2437. 6000	97. 31	7. 25	104. 56	74.00	30. 56	Peak	No Limit
2 *	2445. 2000	88. 92	7. 25	96. 17	54.00	42. 17	AVG	No Limit
3	2483. 5000	52. 30	7. 25	59. 55	74.00	-14. 45	Peak	
4	2483. 5000	42. 70	7. 25	49. 95	54. 00	-4. 05	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



### Horizontal

# 80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4902. 7500	41.68	4. 66	46. 34	74.00	-27. 66	Peak	
2 *	4903. 3500	31. 55	4. 66	36. 21	54.00	-17. 79	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.

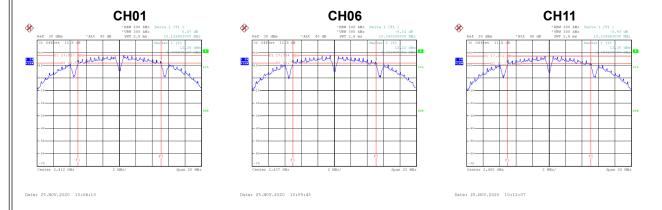


APPENDIX	E - BANDWIDTH



Test Mode	TX B Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	10.14	500	Complies
06	2437	10.14	500	Complies
11	2462	10.14	500	Complies



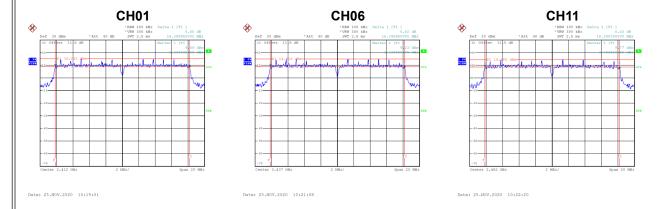
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	18.48	Complies
06	2437	18.64	Complies
11	2462	18.32	Complies





Test Mode	TX G Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	16.40	500	Complies
06	2437	16.40	500	Complies
11	2462	16.38	500	Complies



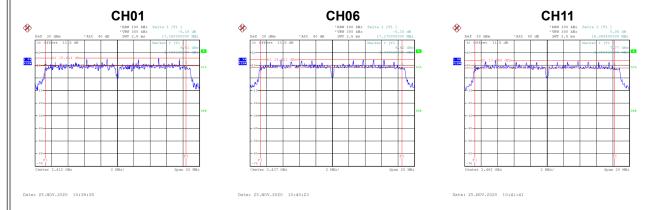
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	25.20	Complies
06	2437	25.12	Complies
11	2462	24.80	Complies





Test Mode	TX N-20M Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	17.15	500	Complies
06	2437	17.27	500	Complies
11	2462	17.00	500	Complies



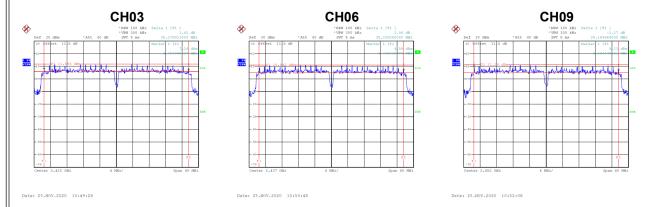
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	26.16	Complies
06	2437	25.44	Complies
11	2462	23.52	Complies





Test Mode	TX N-40M Mode
TOST WIDGE	I I X I N-TOINI INIOUC

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
03	2422	35.28	500	Complies
06	2437	35.21	500	Complies
09	2452	35.16	500	Complies



Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
03	2422	48.80	Complies
06	2437	47.36	Complies
09	2452	48.80	Complies





# **APPENDIX F - MAXIMUM OUTPUT POWER**



	Test Mode	TX B Mode
ı	103t Wode	TA D Mode

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	15.00	30.00	1.0000	Complies
06	2437	18.98	30.00	1.0000	Complies
11	2462	20.06	30.00	1.0000	Complies

Channel	Frequency (MHz)	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	11.65	30.00	1.0000	Complies
06	2437	16.82	30.00	1.0000	Complies
11	2462	18.52	30.00	1.0000	Complies

# Test Mode TX G Mode

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	27.87	30.00	1.0000	Complies
06	2437	28.26	30.00	1.0000	Complies
11	2462	26.32	30.00	1.0000	Complies

Channel	Frequency (MHz)	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.42	30.00	1.0000	Complies
06	2437	21.85	30.00	1.0000	Complies
11	2462	17.42	30.00	1.0000	Complies



Test Mode	TX N-20M Mode_Ant. 1

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	24.56	30.00	1.0000	Complies
06	2437	27.63	30.00	1.0000	Complies
11	2462	25.48	30.00	1.0000	Complies

Channel	Frequency (MHz)	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	15.28	30.00	1.0000	Complies
06	2437	20.00	30.00	1.0000	Complies
11	2462	16.06	30.00	1.0000	Complies

# Test Mode TX N-20M Mode\_Ant. 2

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	23.24	30.00	1.0000	Complies
06	2437	26.03	30.00	1.0000	Complies
11	2462	24.36	30.00	1.0000	Complies

Channel	Frequency (MHz)	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	13.18	30.00	1.0000	Complies
06	2437	18.34	30.00	1.0000	Complies
11	2462	13.44	30.00	1.0000	Complies

# Test Mode TX N-20M Mode\_Total

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	26.96	30.00	1.0000	Complies
06	2437	29.91	30.00	1.0000	Complies
11	2462	27.97	30.00	1.0000	Complies

Channel	Frequency (MHz)	Average Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	17.37	30.00	1.0000	Complies
06	2437	22.26	30.00	1.0000	Complies
11	2462	17.96	30.00	1.0000	Complies



Test Mode	TX N-40M Mode_Ant. 1
,	

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	25.12	30.00	1.0000	Complies
06	2437	26.15	30.00	1.0000	Complies
09	2452	23.93	30.00	1.0000	Complies

Channel	Frequency (MHz)	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	14.26	30.00	1.0000	Complies
06	2437	15.76	30.00	1.0000	Complies
09	2452	13.44	30.00	1.0000	Complies

# Test Mode TX N-40M Mode\_Ant. 2

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	22.94	30.00	1.0000	Complies
06	2437	24.65	30.00	1.0000	Complies
09	2452	22.08	30.00	1.0000	Complies

Channel	Frequency (MHz)	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	12.52	30.00	1.0000	Complies
06	2437	15.48	30.00	1.0000	Complies
09	2452	11.46	30.00	1.0000	Complies

# Test Mode TX N-40M Mode\_Total

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	27.18	30.00	1.0000	Complies
06	2437	28.47	30.00	1.0000	Complies
09	2452	26.11	30.00	1.0000	Complies

Channel	Frequency (MHz)	Average Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.48	30.00	1.0000	Complies
06	2437	18.63	30.00	1.0000	Complies
09	2452	15.57	30.00	1.0000	Complies



