



# **FCC Radio Test Report**

FCC ID: ACJ-SA-C600

This report concerns: Original Grant

**Project No.** : 2108C020

**Equipment**: NETWORK CD RECEIVER

Brand Name : Technics
Test Model : SA-C600
Series Model : N/A

**Applicant**: Panasonic Corporation of North America

Address : Two Riverfront Plaza, 9th Floor Newark, New Jersey 07102-5490

United States

Manufacturer : Panasonic Corporation of North America

**Address**: Two Riverfront Plaza, 9th Floor Newark, New Jersey 07102-5490

**United States** 

Factory : Panasonic AVC Networks Johor Malaysia

Address : IE,PLO 460, Jalan Bandar, 81700 Pasir Gudang, Johor, Malaysia

Date of Receipt : Aug. 03, 2021

**Date of Test** : Aug. 03, 2021 ~ Sep. 02, 2021

**Issued Date** : Sep. 23, 2021

Report Version : R01

**Test Sample** : Engineering Sample No.: DG2021080397 **Standard(s)** : FCC CFR Title 47, Part 15, Subpart C

FCC KDB 558074 D01 15.247 Meas Guidance v05r02 FCC KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10-2013

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

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IAC-MRA ACCR

TESTING CERT #5123.02

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

#### Limitation

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

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.	Sep. 16, 2021
R01	Remove the EUT test photo.	Sep. 23, 2021



# 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart C					
Standard(s) Section	Test Item	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 Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of 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)
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	4.36
		30MHz ~ 200MHz	Η	3.32
	DG-CB03 CISPR	200MHz ~ 1,000MHz	V	4.08
DG-CB03		200MHz ~ 1,000MHz	Н	3.96
		1GHz ~ 6GHz	ı	3.80
		6GHz ~ 18GHz	ı	4.82
		18GHz ~ 26.5GHz	ı	3.62
		26.5GHz ~ 40GHz	-	4.00

#### C. Other Measurement:

casarement.	
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	Laughing Zhang
Radiated Emissions-9 kHz to 30 MHz	25°C	60%	AC 120V/60Hz	Berton Luo
Radiated Emissions-30 MHz to 1000 MHz	26°C	52%	AC 120V/60Hz	Berton Luo
Radiated Emissions-Above 1000 MHz	26°C	52%	AC 120V/60Hz	Berton Luo
Bandwidth	25°C	50%	AC 120V/60Hz	Grani Zhou
Maximum Output Power	25°C	50%	AC 120V/60Hz	Laughing Zhang
Conducted Spurious Emissions	25°C	50%	AC 120V/60Hz	Grani Zhou
Power Spectral Density	25°C	50%	AC 120V/60Hz	Grani Zhou



# 2. GENERAL INFORMATION

# 2.1 GENERAL DESCRIPTION OF EUT

Equipment	NETWORK CD RECEIVER
Brand Name	Technics
Test Model	SA-C600
Series Model	N/A
Model Difference(s)	N/A
Power Source	AC Mains.
Power Rating	120V ~ 46W 60Hz
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 Output Power	IEEE 802.11n20: 27.33 dBm (0.5408 W)

#### Note:

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

#### 2. Channel List:

Charmor Elot.							
	CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n(HT20) CH03 - CH09 for IEEE 802.11n(HT40)						
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. Antenna Specification:

Ant.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	Panasonic Corporation	TNPA7567-1	PCB	N/A	1.69
2	Panasonic Corporation	TNPA7568-1	PCB	N/A	1.69

- 1) This EUT supports MIMO 2X2, any transmit signals are correlated with each other, so Directional gain=G<sub>ANT</sub>+10log(N)dBi, that is Directional gain=1.69+10log(2)dBi=4.70.

  2) The antenna gain and beamforming gain are 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(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
Mode 5	TX N(HT20) 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(HT20) Mode Channel 06	

Radiated emissions test - Below 1GHz		
Final Test Mode	Description	
Mode 5	TX N(HT20) 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(HT20) Mode Channel 01/06/11	
Mode 4	TX N(HT40) 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(HT20) Mode Channel 01/06/11	
Mode 4	TX N(HT40) Mode Channel 03/06/09	



#### NOTE:

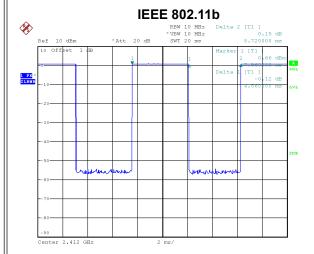
- (1) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (2) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX N(HT20) Mode Channel 06 is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, the spurious points of 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 Version	DutApiMimoBtFmBrdigeEth		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	14	14	14
IEEE 802.11g	14	15	15
IEEE 802.11n(HT20)	13	14	14
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	9	11	11

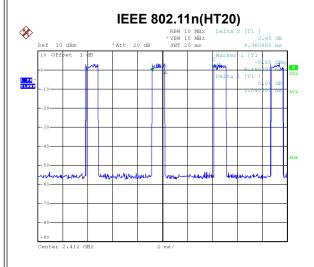


## 2.4 DUTY CYCLE



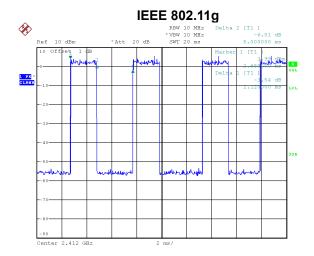
Date: 18.AUG.2021 16:46:02

Duty cycle = 4.560 ms / 8.720 ms = 52.29% Duty Factor = 10 log(1/Duty cycle) = 2.82



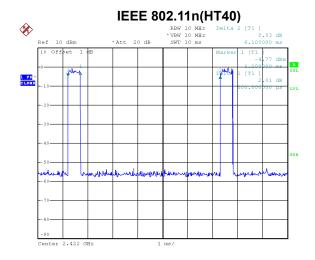
Date: 18.AUG.2021 16:49:54

Duty cycle = 1.040 ms / 4.960 ms = 20.97% Duty Factor = 10 log(1/Duty cycle) = 6.78



Date: 18.AUG.2021 16:48:06

Duty cycle = 2.120 ms / 5.000 ms = 42.40% Duty Factor = 10 log(1/Duty cycle) = 3.73



Date: 18.AUG.2021 16:51:51

Duty cycle = 0.500 ms / 6.100 ms = 8.20% Duty Factor = 10 log(1/Duty cycle) = 10.86





#### NOTE:

For IEEE 802.11b:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 219 Hz.

For IEEE 802.11g:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 472 Hz.

For IEEE 802.11n(HT20):

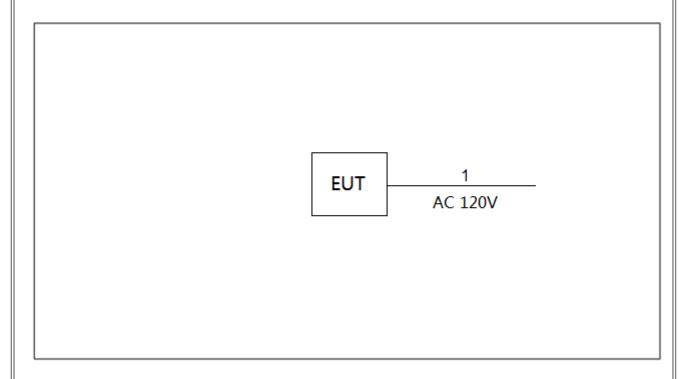
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 962 Hz.

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 2000 Hz.



# 2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



# 2.6 SUPPORT UNITS

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

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	AC Cable	NO	NO	1.2m



#### 3. AC POWER LINE CONDUCTED EMISSIONS

#### **3.1 LIMIT**

Fraguency of Emission (MHz)	Limit (dBμV)		
Frequency of Emission (MHz)	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.

#### 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.

The following table is the setting of the receiver:

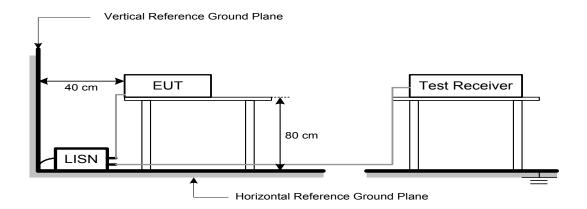
Receiver Parameters	Setting	
Start Frequency	0.15 MHz	
Stop Frequency	30 MHz	
IF Bandwidth	9 kHz	

#### 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

#### **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)

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

#### NOTE:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
   (3) Emission level (dBuV/m)=20log Emission level (uV/m).



#### **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.

The following table is the setting of the receiver:

Spectrum Parameters	Setting	
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz	
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz	
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz	

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW	1 MHz / 3 MHz for PK value
(Emission in restricted band)	1 MHz / 1/T Hz for AVG value

Receiver Parameters	Setting
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
Start ~ Stop Frequency	1 GHz~26.5 GHz for PK/AVG detector

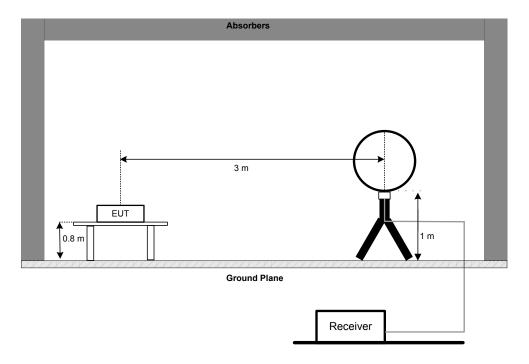


# 4.3 DEVIATION FROM TEST STANDARD

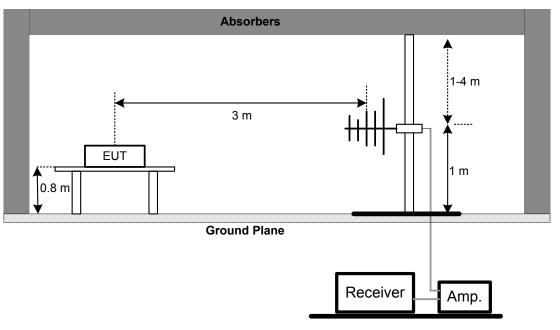
No deviation.

# 4.4 TEST SETUP

#### 9 kHz to 30 MHz

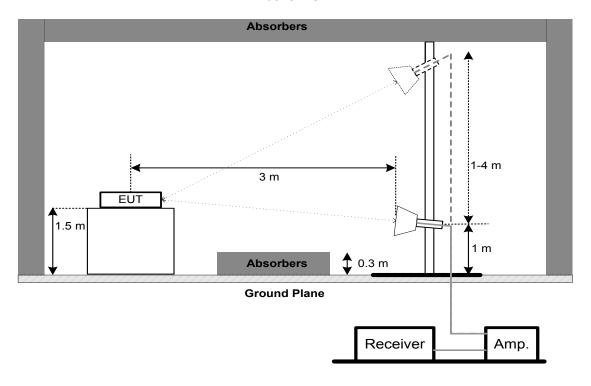


# 30 MHz to 1 GHz





#### **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

#### 5.1 LIMIT

Section	Test Item	Limit
FCC 15 247(a)/(2)	6 dB Bandwidth	Minimum 500 kHz
FCC 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. The following table is the setting of the spectrum analyzer:

#### For 6 dB Bandwidth:

Or o ab banamatin	
Spectrum Parameters	Setting
Span Frequency	> Measurement Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

#### For 99% Emission Bandwidth:

0. 00 / 0 =				
Spectrum Parameters	Setting			
Span Frequency	Between 1.5 times and 5.0 times the OBW			
RBW	300 kHz For 20MHz 1 MHz For 40MHz			
VBW	1 MHz For 20MHz 3 MHz For 40MHz			
Detector	Peak			
Trace	Max Hold			
Sweep Time	Auto			

# **5.3 DEVIATION FROM STANDARD**

No deviation.

#### **5.4 TEST SETUP**



#### 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**

#### 6.1 LIMIT

Section	Test Item	Limit	
FCC 15.247(b)(3)	Maximum Output Power	1.0000 Watt or 30.00 dBm	

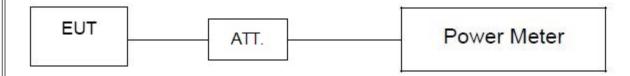
#### **6.2 TEST PROCEDURE**

- 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 of ANSI C63.10-2013 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

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

No deviation.

# **6.4 TEST SETUP**



#### **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. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Start Frequency	30 MHz
Stop Frequency	26.5 GHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

#### 7.3 DEVIATION FROM STANDARD

No deviation.

#### 7.4 TEST SETUP



#### 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

#### 8.1 LIMIT

Section	Section Test Item	
FCC 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. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span Frequency	25 MHz (20 MHz) / 60 MHz (40 MHz)
RBW	3 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

#### 8.3 DEVIATION FROM STANDARD

No deviation.

#### 8.4 TEST SETUP



#### 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, 2022	
2	LISN	EMCO	3816/2	52765	Feb. 27, 2022	
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 27, 2022	
4	50Ω Terminator	SHX	TF5-3	15041305	Feb. 27, 2022	
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A	
6	Cable	N/A	RG223	12m	Mar. 09, 2022	
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	Loop Antenna	EM	EM-6876-1	230	Apr. 28, 2022	
2	Cable	N/A	RG 213/U	N/A	May 27, 2022	
3	EMI Test Receiver	R&S	ESCI	100895	Feb. 27, 2022	
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. 24, 2022	

	Radiated Emissions - 30 MHz to 1 GHz							
Item	Nanufacturer Manufacturer		Type No.	Serial No.	Calibrated until			
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 15, 2022			
2	Amplifier	HP	8447D	2944A08742	Feb. 28, 2022			
3	Receiver	Agilent	N9038A	MY52130039	Mar. 19, 2022			
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 20, 2022			
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. 24, 2022			

	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 10, 2022			
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 30, 2022			
3	Amplifier	Agilent	8449B	3008A02584	Jul. 10, 2022			
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 28, 2022			
5	Receiver	Agilent	N9038A	MY52130039	Mar. 19, 2022			
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	Oct. 16, 2021			
9	Measurement Farad		EZ-EMC Ver.NB-03A1-01	N/A	N/A			
10	Filter	STI	STI15-9912	N/A	Jul. 10, 2022			
11	966 Chambe Room RM		9*6*6m N/A		Jul. 24, 2022			



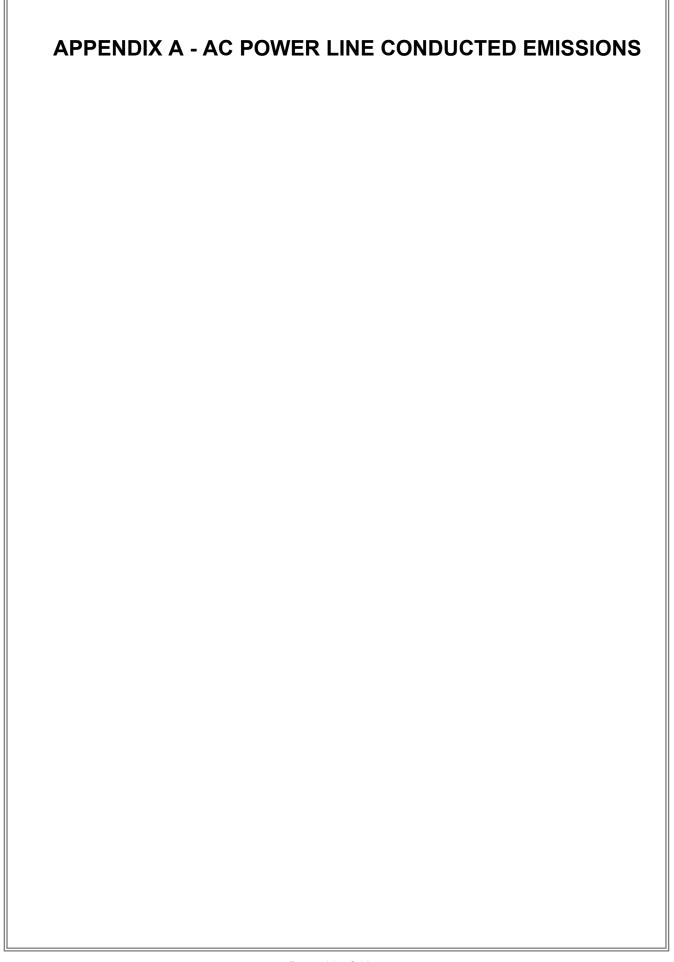
	Bandwidth & Conducted Spurious Emissions & Power Spectral Density								
Item	em Kind of Equipment Manufacturer Type No. Serial No. Calibrated until								
1	1 Spectrum Analyzer R&S FSP40 100185 Jul. 10, 20								
2	2 Attenuator WOKEN 6SM3502 VAS1214NL Feb. 07, 2022								
3	RF Cable	Tongkaichuan	N/A	N/A	N/A				
4	DC Block	Mini	N/A	N/A	N/A				

	Maximum Output Power								
Item	tem Kind of Equipment Manufacturer Type No. Serial No. Calil								
1	1 Peak Power Analyzer Keysig		8990B	MY51000506	Jul. 10, 2022				
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 10, 2022				
3	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 07, 2022				
4	RF Cable	Tongkaichuan	N/A	N/A	N/A				

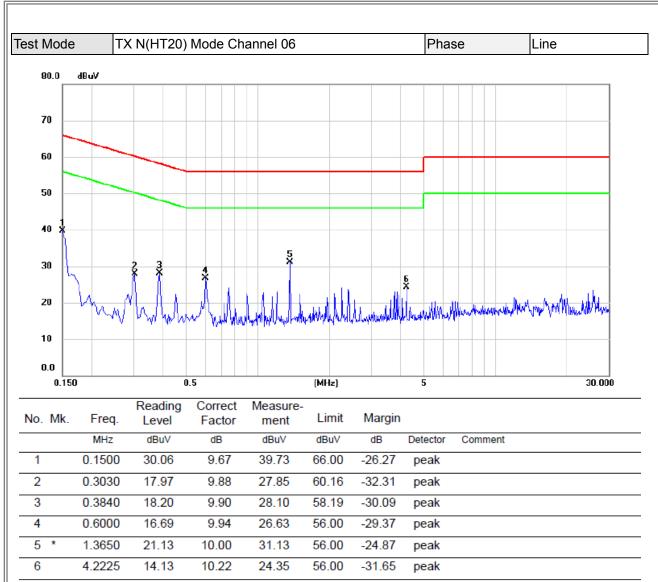
Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.



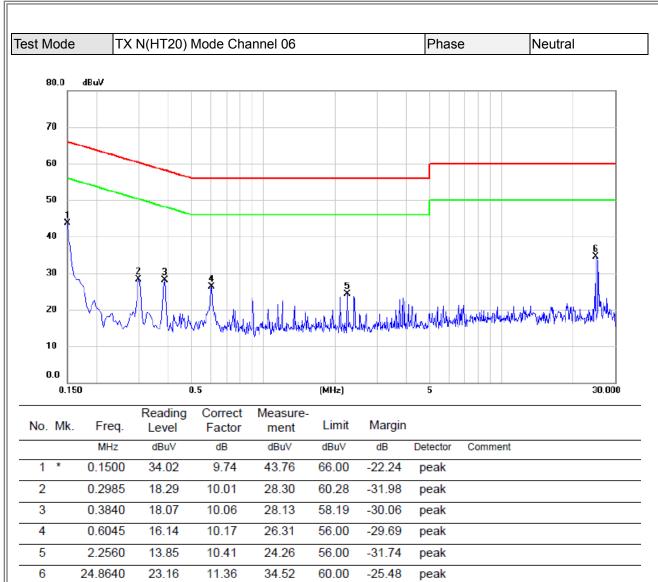






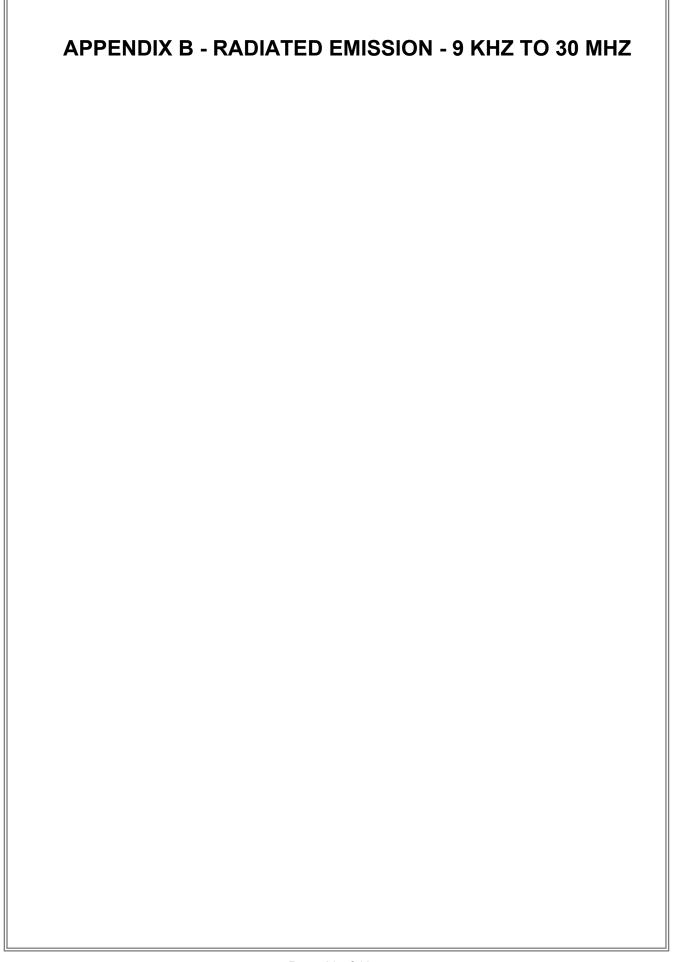
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



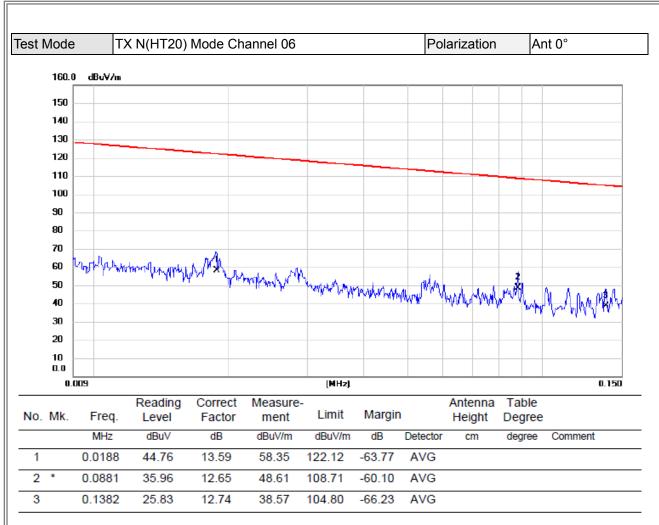


- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



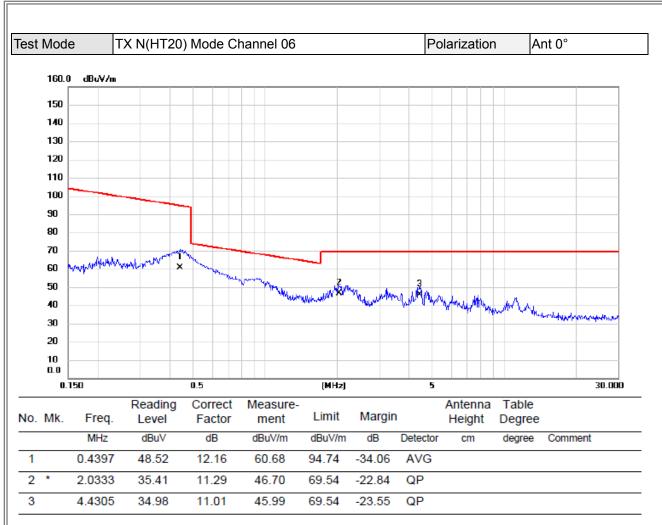






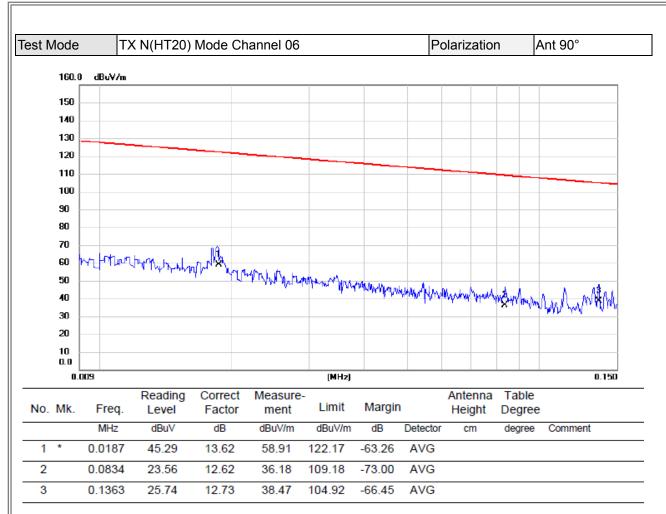
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.





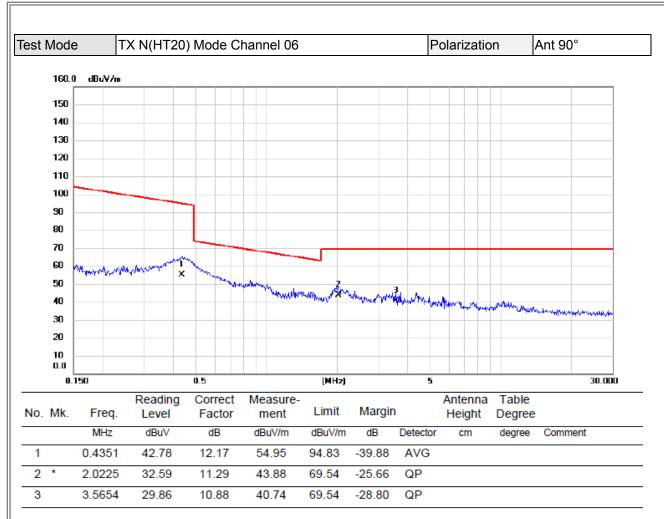
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.





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



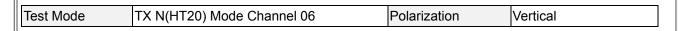


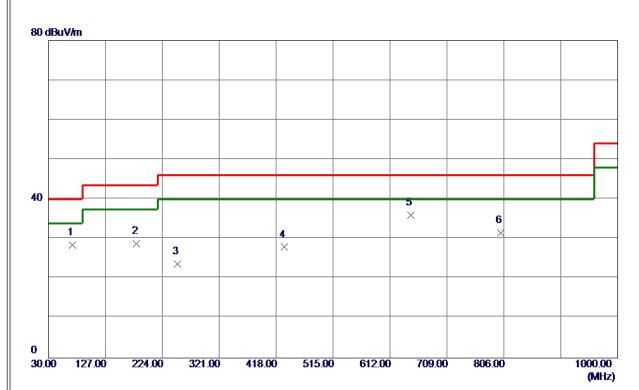
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.







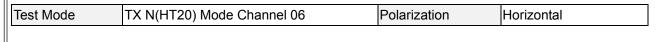


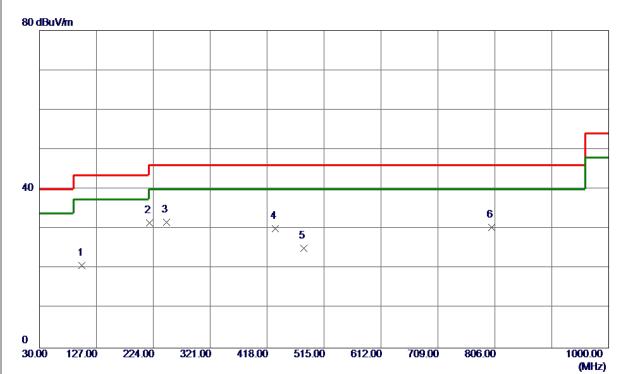


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	70. 7400	44. 78	-16. 37	28. 41	40.00	-11. 59	Peak	
2	180. 3500	42. 52	-13. 68	28. 84	43. 50	-14. 66	Peak	
3	249. 7050	36. 57	-12. 95	23. 62	46.00	-22. 38	Peak	
4	432.0650	35. 82	-7. 90	27. 92	46.00	-18. 08	Peak	
5 *	647. 8900	39. 77	-3. 77	36. 00	46.00	-10.00	Peak	
6	800. 1800	32. 21	<b>−0. 68</b>	31. 53	46.00	-14. 47	Peak	

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



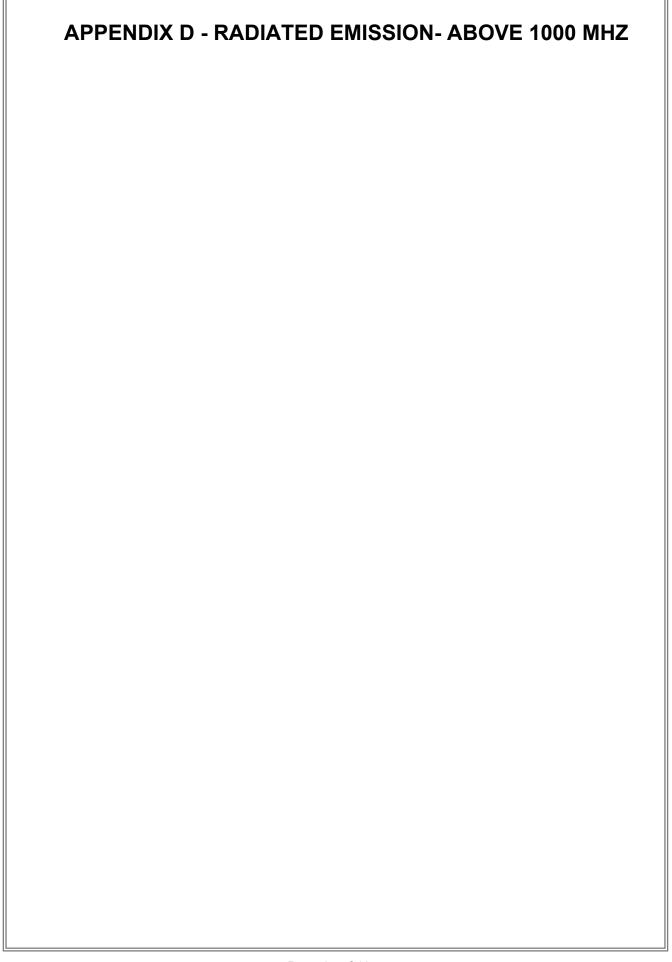




No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	102. 7500	36. 90	-16. 13	20. 77	43. 50	-22.73	Peak	
2	217. 2100	46. 49	-14. 93	31. 56	46.00	-14. 44	Peak	
3 *	246. 3100	44. 81	-13. 10	31. 71	46.00	-14. 29	Peak	
4	432.0650	37. 96	-7. 90	30. 06	46.00	-15. 94	Peak	
5	480. 5650	32. 04	-6. 88	25. 16	46.00	-20.84	Peak	
6	800. 1800	31. 04	-0. 68	30. 36	46.00	-15. 64	Peak	

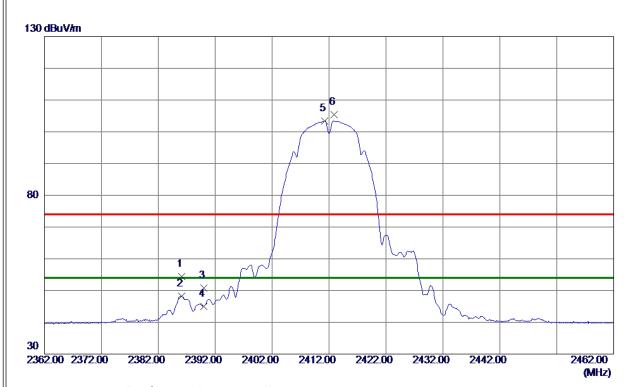
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.









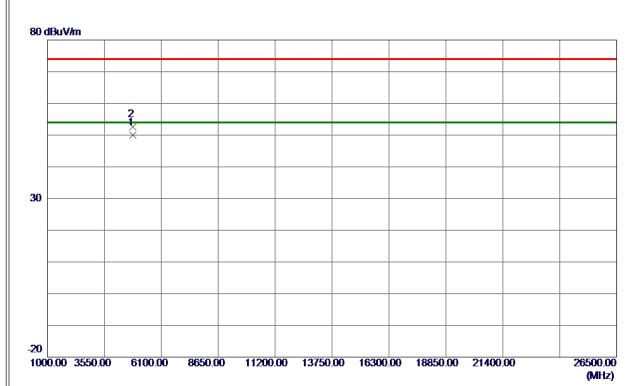


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2386. 1000	46. 06	8. 30	54. 36	74.00	-19. 64	Peak	
2	2386. 1000	39. 89	8. 30	48. 19	<b>54.00</b>	-5. 81	AVG	
3	2390. 0000	42. 54	8. 31	50. 85	74.00	-23. 15	Peak	
4	2390. 0000	36. 74	8. 31	45. 05	54.00	-8. 95	AVG	
5 *	2411. 2000	95. 09	8. 33	103. 42	54. 00	<b>49. 4</b> 2	AVG	主波訊號不予判定
6	2412. 9000	96. 98	8. 33	105. 31	74.00	31. 31	Peak	主波訊號不予判定

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





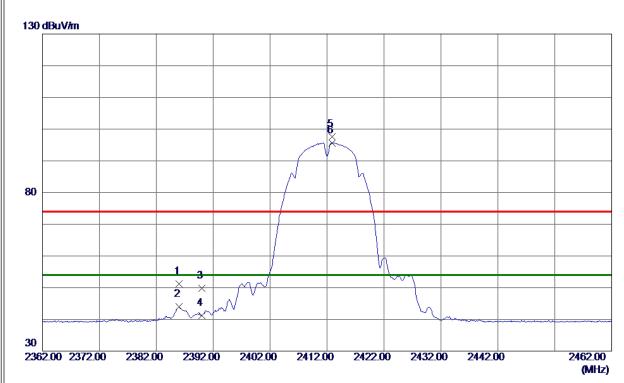


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823. 9400	44. 85	5. 23	50. 08	54.00	-3. 92	AVG	No Limit
2	4823, 9500	47. 44	5. 23	52. 67	74. 00	-21. 33	Peak	No Limit

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



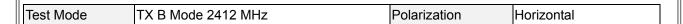


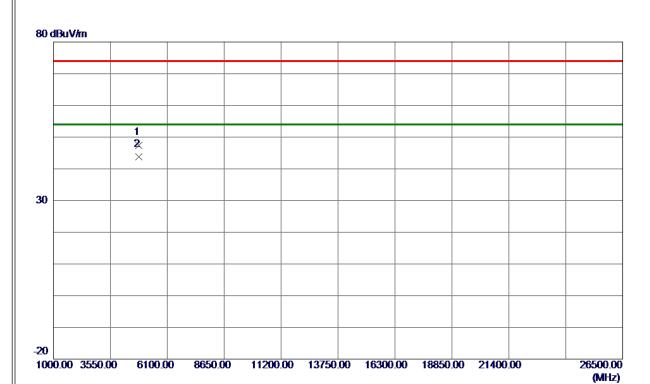


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2386. 0000	42. 98	8. 30	51. 28	74.00	-22. 72	Peak	
2	2386. 0000	35. 67	8. 30	43. 97	54.00	-10. 03	AVG	
3	2390. 0000	41. 57	8. 31	49.88	74.00	-24. 12	Peak	
4	2390. 0000	32. 97	8. 31	41. 28	54.00	-12. 72	AVG	
5	2412. 9000	89. 24	8. 33	97. 57	74.00	23. 57	Peak	主波訊號不予判定
6 *	2412. 9000	87. 35	8. 33	95. 68	54. 00	41.68	AVG	主波訊號不予判定

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





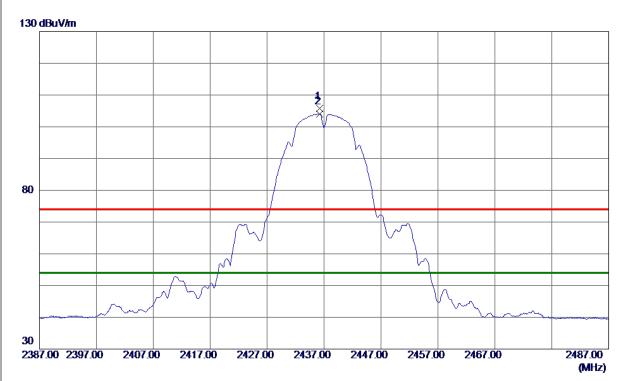


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823. 9700	42. 27	5. 23	47. 50	74.00	-26. 50	Peak	No Limit
2 *	4823. 9850	38. 48	5. 23	43.71	54. 00	-10. 29	AVG	No Limit

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



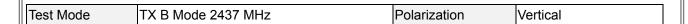


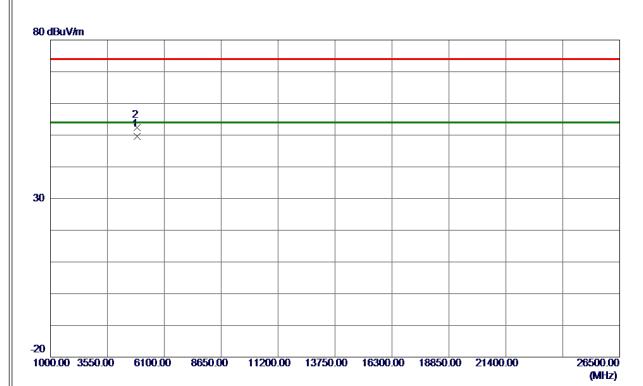


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2436. 2000	97. 34	8. 36	105. 70	74.00	31. 70	Peak	主波訊號不予判定
2 *	2436. 2000	95. 70	8. 36	104. 06	54. 00	50.06	AVG	主波訊號不予判定

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





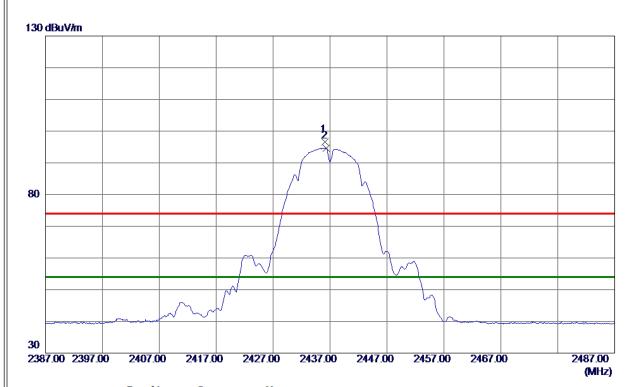


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873. 9850	44. 13	<b>5. 48</b>	49. 61	54.00	-4. 39	AVG	No Limit
2	4874, 0160	46. 96	5. 48	52. 44	74. 00	-21. 56	Peak	No Limit

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





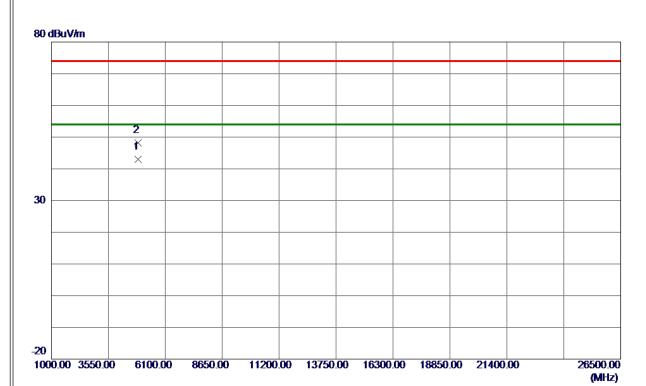


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2436. 1000	88. 21	8. 36	96. 57	74.00	22. 57	Peak	主波訊號不予判定
2 *	2436. 3000	86. 31	8. 36	94. 67	54.00	40.67	AVG	主波訊號不予判定

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





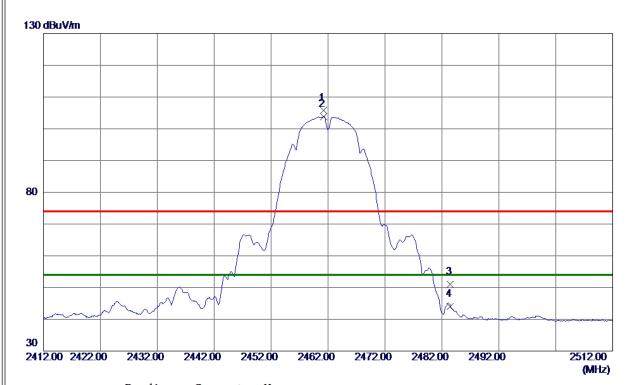


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873. 5190	37. 56	5. 48	43. 04	54. 00	-10. 96	AVG	No Limit
2	4874, 6190	42. 68	5. 48	48, 16	74. 00	-25, 84	Peak	No Limit

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



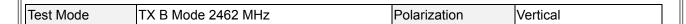


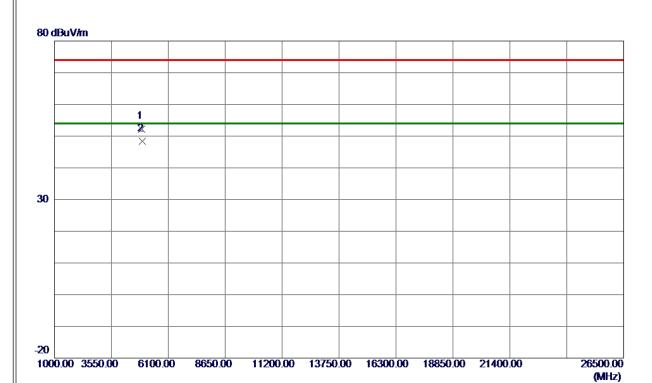


	No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
l	1	2461. 2000	97. 41	8. 40	105. 81	74.00	31. 81	Peak	主波訊號不予判定
l	2 *	2461. 2000	95. 41	8. 40	103.81	54.00	49.81	AVG	主波訊號不予判定
l	3	2483. 5000	42. 51	8. 42	50. 93	74.00	-23. 07	Peak	
	4	2483. 5000	35. 66	8. 42	44. 08	54.00	-9. 92	AVG	
1									

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





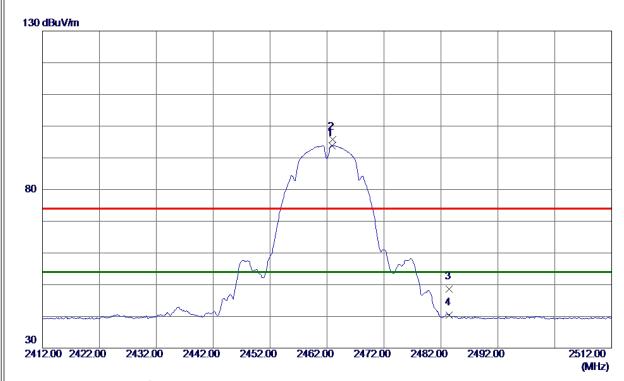


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923. 3450	46. 57	5. 73	52. 30	74. 00	-21. 70	Peak	No Limit
2 *	4924. 6070	42. 57	5. 74	48. 31	54. 00	-5. 69	AVG	No Limit

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



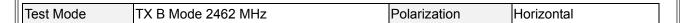




No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2462. 9000	85. 46	8. 40	93. 86	54.00	39. 86	AVG	主波訊號不予判定
2	2463. 0000	87. 38	8. 40	95. 78	74.00	21. 78	Peak	主波訊號不予判定
3	2483. 5000	40. 24	8. 42	48. 66	74.00	-25. 34	Peak	
4	2483. 5000	31. 95	8. 42	40. 37	54. 00	-13. 63	AVG	

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



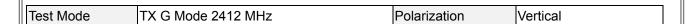


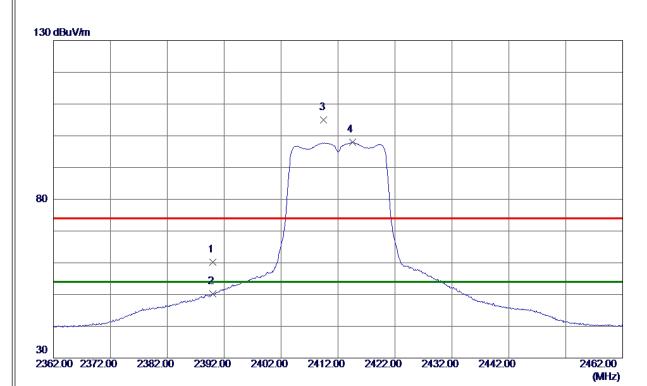


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923. 5299	42. 14	5. 73	47. 87	74. 00	-26. 13	Peak	No Limit
2 *	4924. 4990	37. 62	5. 74	43. 36	54. 00	-10. 64	AVG	No Limit

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



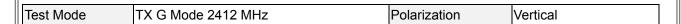




No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	51. 98	8. 31	60. 29	74.00	-13. 71	Peak	
2	2390. 0000	41. 95	8. 31	50. 26	54.00	-3. 74	AVG	
3	2409. 5000	96. 64	8. 33	104. 97	74.00	30. 97	Peak	主波訊號不予判定
4 *	2414. 5000	89. 70	8. 34	98. 04	54.00	44. 04	AVG	主波訊號不予判定

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





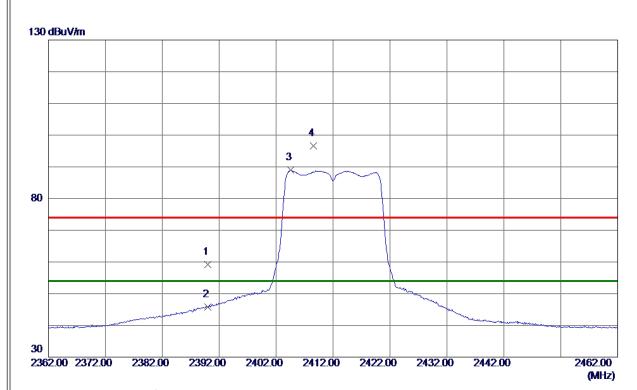


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823. 7110	38. 52	5. 23	43. 75	54.00	-10. 25	AVG	No Limit
2	4824. 6480	50. 14	5. 23	55. 37	74. 00	-18. 63	Peak	No Limit

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





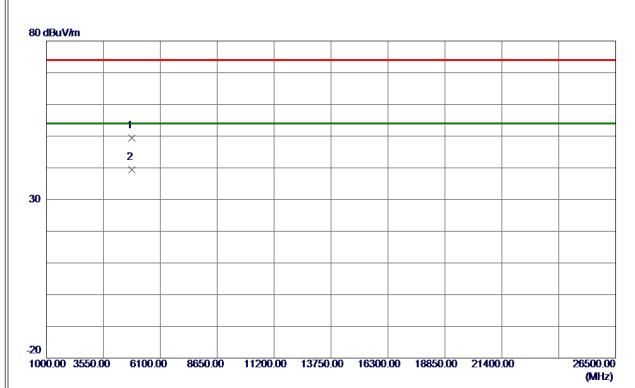


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	50. 95	8. 31	59. 26	74.00	-14. 74	Peak	
2	2390. 0000	37. 45	8. 31	45. 76	54.00	-8. 24	AVG	
3 *	2404.6000	80. 59	8. 32	88. 91	54.00	34. 91	AVG	主波訊號不予判定
4	2408. 6000	88. 23	8. 33	96. 56	74. 00	22. 56	Peak	主波訊號不予判定

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





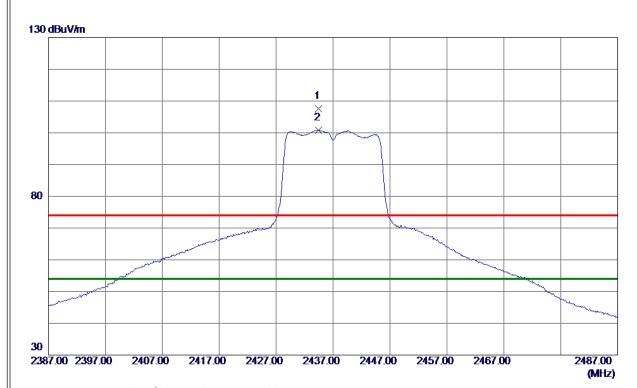


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823. 5490	44. 21	5. 23	49. 44	74.00	-24. 56	Peak	No Limit
2 *	4824. 0880	34. 25	5. 23	39. 48	54. 00	-14. 52	AVG	No Limit

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



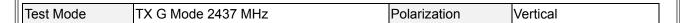


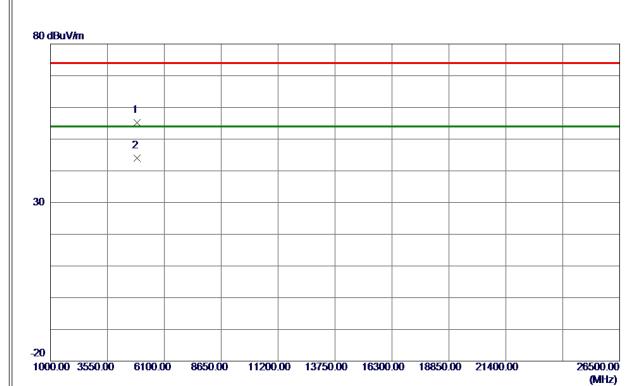


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2434. 5000	99. 22	8. 36	107. 58	74.00	33. 58	Peak	主波訊號不予判定
2 *	2434. 5000	92. 44	8. 36	100.80	54.00	46. 80	AVG	主波訊號不予判定

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





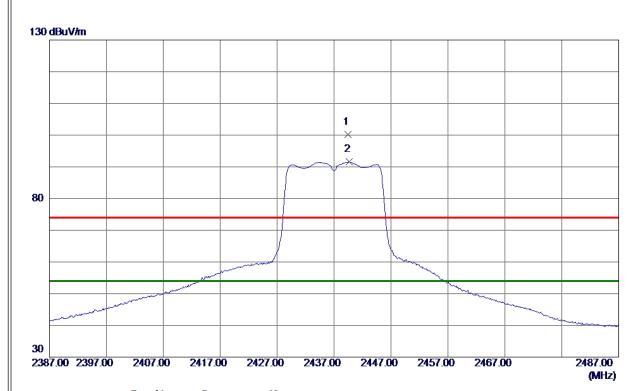


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873. 9089	49. 67	5. 48	55. 15	74. 00	-18. 85	Peak	No Limit
2 *	4874. 4900	38. 59	5. 48	44. 07	54. 00	-9. 93	AVG	No Limit

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





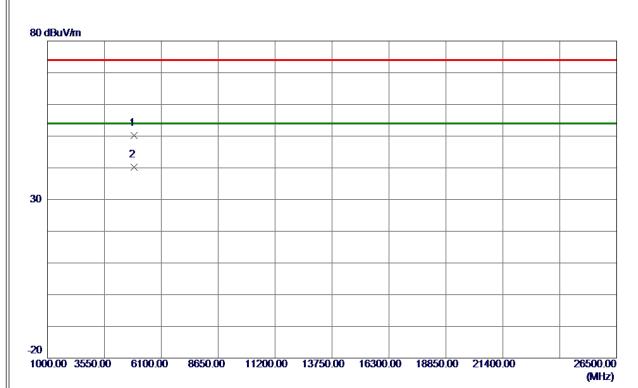


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2439. 4000	91. 77	8. 37	100. 14	74.00	26. 14	Peak	主波訊號不予判定
2 *	2439. 7000	83. 22	8. 37	91. 59	54.00	37. 59	AVG	主波訊號不予判定

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





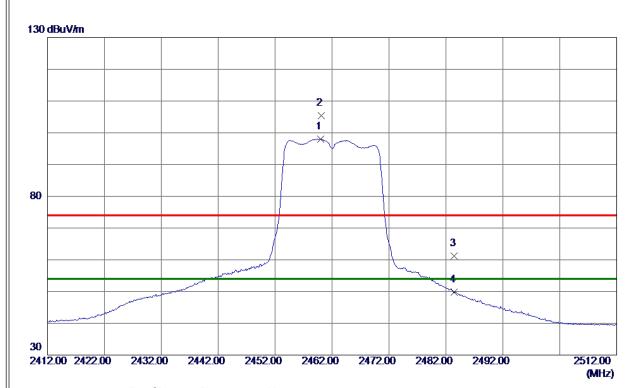


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873. 9550	44. 74	5. 48	50. 22	74.00	-23. 78	Peak	No Limit
2 *	4874. 4870	34. 68	5. 48	40. 16	54. 00	-13. 84	AVG	No Limit

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



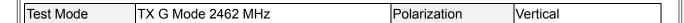


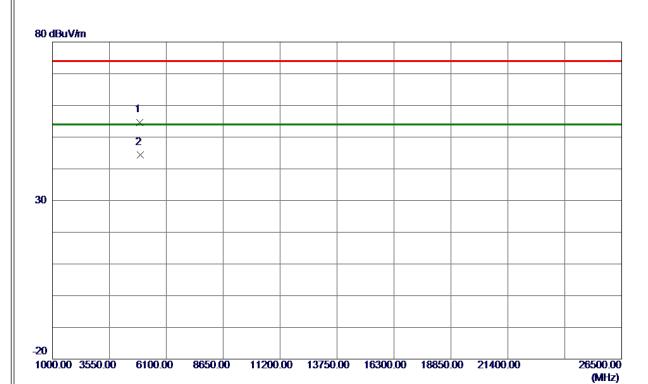


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2460.0000	89. 67	8. 39	98. 06	54.00	44. 06	AVG	主波訊號不予判定
2	2460. 1000	97. 02	8. 39	105. 41	74.00	31. 41	Peak	主波訊號不予判定
3	2483. 5000	52. 83	8. 42	61. 25	74.00	-12. 75	Peak	
4	2483. 5000	41. 31	8. 42	49. 73	54.00	-4. 27	AVG	

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





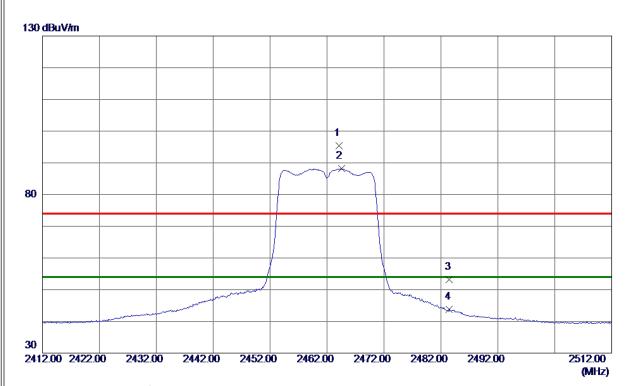


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923. 1080	48. 97	5. 73	<b>54</b> . 70	74. 00	-19. 30	Peak	No Limit
2 *	4924. 4950	38. 64	5. 74	44. 38	54. 00	-9. 62	AVG	No Limit

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







No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2464. 1000	86. 94	8. 40	95. 34	74.00	21. 34	Peak	主波訊號不予判定
2 *	2464. 5000	79. 71	8. 40	88. 11	<b>54.00</b>	34. 11	AVG	主波訊號不予判定
3	2483. 5000	44. 79	8. 42	53. 21	74.00	-20. 79	Peak	
4	2483. 5000	35. 34	8. 42	43. 76	54. 00	-10. 24	AVG	

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





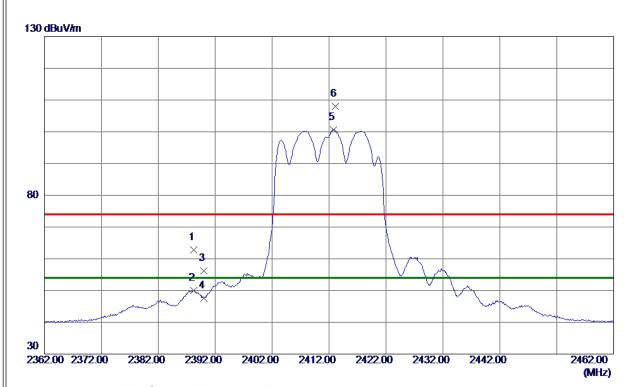


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923. 4270	35. 47	5. 73	41. 20	54.00	-12. 80	AVG	No Limit
2	4924, 9720	45. 35	5. 74	51. 09	74. 00	-22. 91	Peak	No Limit

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



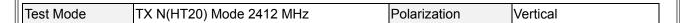


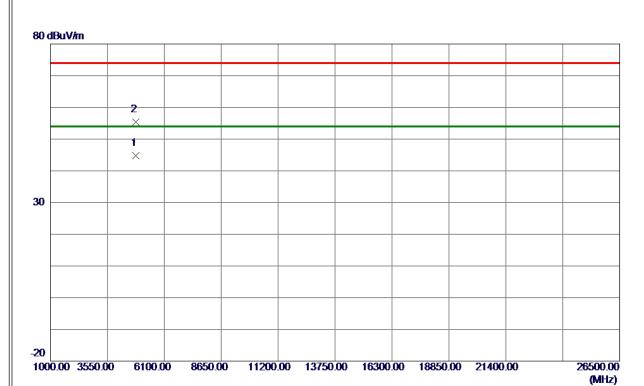


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388. 2000	<b>54. 53</b>	8. 30	62. 83	74.00	-11. 17	Peak	
2	2388. 2000	41.61	8. 30	49. 91	54.00	<b>-4.09</b>	AVG	
3	2390. 0000	47. 95	8. 31	56. 26	74.00	-17. 74	Peak	
4	2390. 0000	39. 33	8. 31	47. 64	54.00	-6. 36	AVG	
5 *	2412. 8000	92. 30	8. 33	100. 63	54. 00	46. 63	AVG	主波訊號不予判定
6	2413. 1000	99. 74	8. 33	108. 07	74.00	34. 07	Peak	主波訊號不予判定

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



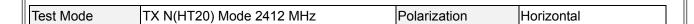


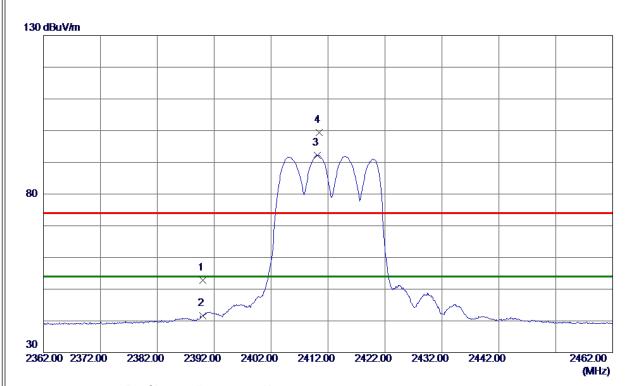


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823. 0570	39. 49	5. 22	44. 71	54. 00	-9. 29	AVG	No Limit
2	4823. 3450	50. 25	5. 22	<b>55. 47</b>	74. 00	-18. 53	Peak	No Limit

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





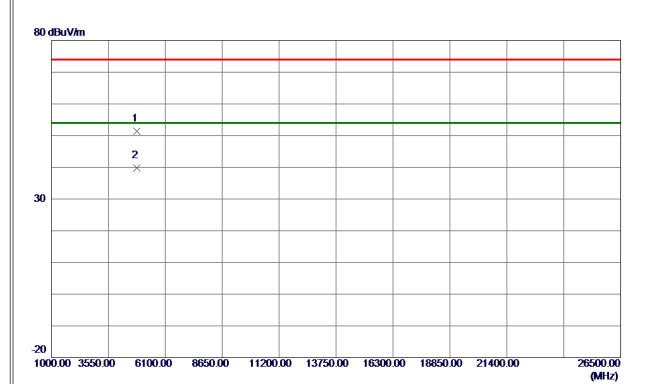


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	44. 51	8. 31	52. 82	74.00	-21. 18	Peak	
2	2390. 0000	33. 35	8. 31	41.66	54.00	-12. 34	AVG	
3 *	2410. 1000	83. 96	8. 33	92. 29	54.00	38. 29	AVG	主波訊號不予判定
4	2410. 4000	91. 10	8. 33	99. 43	74. 00	25. 43	Peak	主波訊號不予判定

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





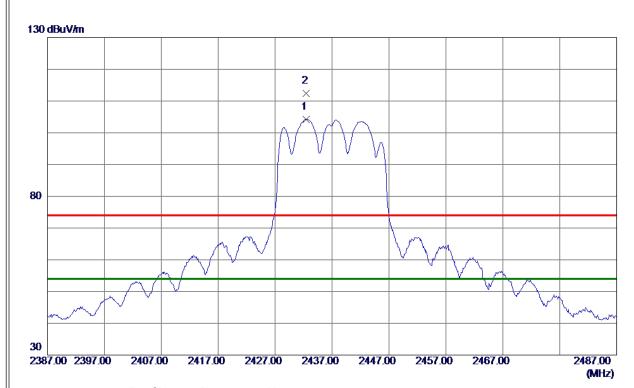


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823. 0410	46. 24	5. 22	51. 46	74. 00	-22. 54	Peak	No Limit
2 *	4823. 0960	34. 66	5. 22	39. 88	54. 00	-14. 12	AVG	No Limit

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





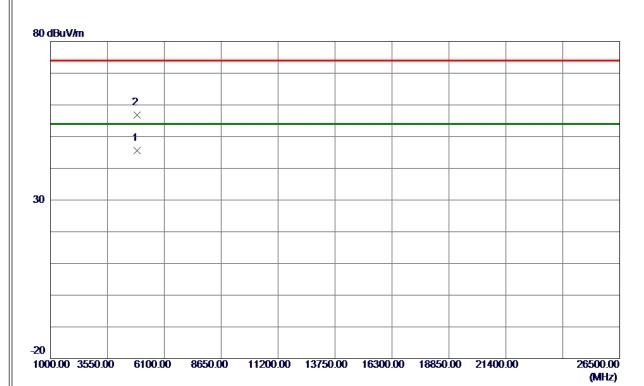


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2432. 4000	95. 91	8. 36	104. 27	54.00	50. 27	AVG	主波訊號不予判定
2	2432. 5000	104. 08	8. 36	112. 44	74. 00	38. 44	Peak	主波訊號不予判定

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



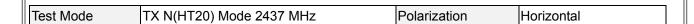


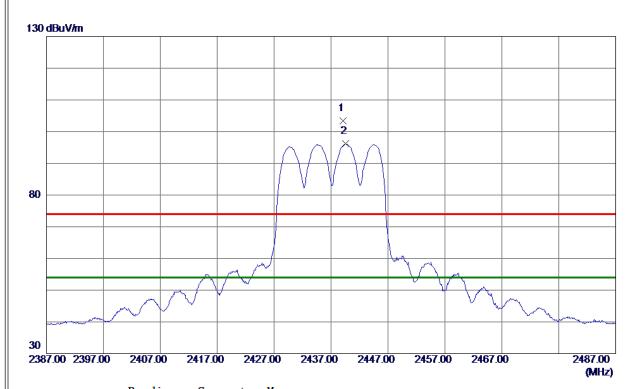


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874. 3940	40. 21	5. 48	45. 69	54.00	-8. 31	AVG	No Limit
2	4874. 7190	51. 36	5. <b>4</b> 8	56. 84	74.00	-17. 16	Peak	No Limit

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







No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2439. 1000	95. 07	8. 37	103. 44	74.00	29. 44	Peak	主波訊號不予判定
2 *	2439. 6000	87. 74	8. 37	96. 11	54. 00	42. 11	AVG	主波訊號不予判定

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





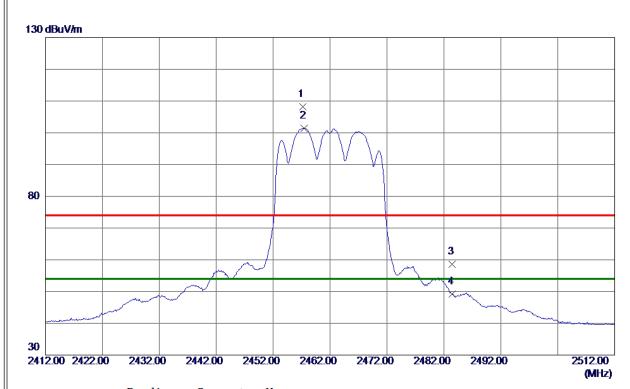


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874. 5530	46. 87	5. 48	52. 35	74.00	-21.65	Peak	No Limit
2 *	4874. 8880	35. 46	5. 49	40. 95	54. 00	-13. 05	AVG	No Limit

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



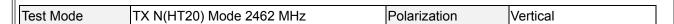




No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2457. 2000	99. 81	8. 39	108. 20	74.00	34. 20	Peak	主波訊號不予判定
2 *	2457. 5000	93. 04	8. 39	101. 43	54.00	47. 43	AVG	主波訊號不予判定
3	2483. 5000	50. 17	8. 42	58. 59	74.00	-15. 41	Peak	
4	2483. 5000	40. 73	8. 42	49. 15	<b>54.00</b>	-4. 85	AVG	

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



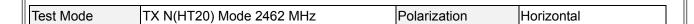


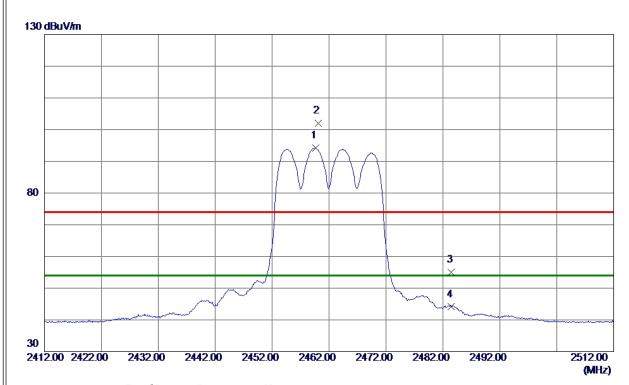


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923. 5780	51. 25	5. 73	56. 98	74. 00	-17. 02	Peak	No Limit
2 *	4924, 0740	40. 33	5. 74	46. 07	54, 00	-7. 93	AVG	No Limit

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







No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2459. 7000	85. 77	8. 39	94. 16	<b>54.00</b>	40. 16	AVG	主波訊號不予判定
2	2460. 1000	93. 54	8. 39	101. 93	74.00	27. 93	Peak	主波訊號不予判定
3	2483. 5000	46. 59	8. 42	55. 01	74.00	-18. 99	Peak	
4	2483. 5000	35. 68	8. 42	44. 10	54. 00	-9. 90	AVG	

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



Test Mode TX N(HT20) Mode 2462 MHz Polarization Horizontal	
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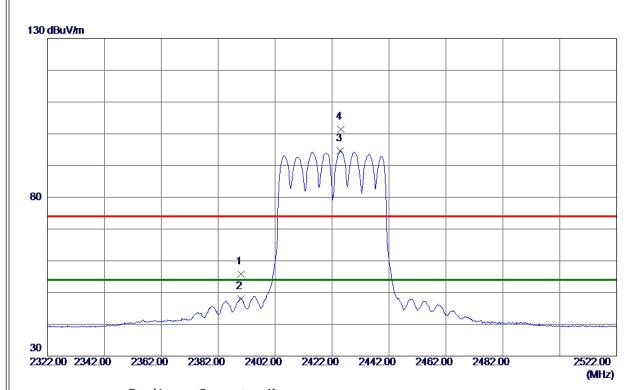


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923. 5990	46. 54	5. 73	52. 27	74. 00	-21. 73	Peak	No Limit
2 *	4923. 6050	35. 67	5. 73	41. 40	54. 00	-12. 60	AVG	No Limit

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



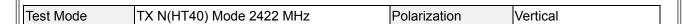


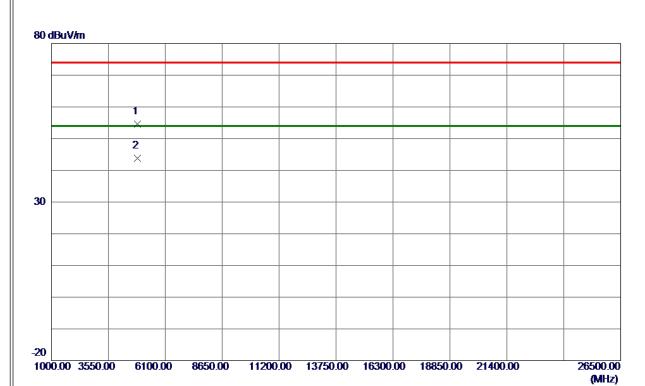


Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
2390.0000	47. 42	8. 31	55. 73	74.00	-18. 27	Peak	
2390. 0000	39. 70	8. 31	48. 01	54.00	-5. 99	AVG	
2425. 0000	86. 17	8. 35	94. 52	54.00	40. 52	AVG	主波訊號不予判定
2425. 2000	92. 99	8. 35	101. 34	74. 00	27. 34	Peak	主波訊號不予判定
	MHz 2390. 0000 2390. 0000 2425. 0000	Freq. Level	MHz         dBuV/m         dB           2390.0000         47.42         8.31           2390.0000         39.70         8.31           2425.0000         86.17         8.35	MHz         dBuV/m         dB         dBuV/m           2390.0000         47.42         8.31         55.73           2390.0000         39.70         8.31         48.01           2425.0000         86.17         8.35         94.52	MHz         dBuV/m         dB         dBuV/m         dBuV/m           2390.0000 47.42         8.31         55.73         74.00           2390.0000 39.70         8.31         48.01         54.00           2425.0000 86.17         8.35         94.52         54.00	MHz         dBuV/m         dB         dBuV/m         dB         dW/m         dBuV/m         dB           2390.0000         47.42         8.31         55.73         74.00         -18.27           2390.0000         39.70         8.31         48.01         54.00         -5.99           2425.0000         86.17         8.35         94.52         54.00         40.52	MHz dBuV/m dB dBuV/m dBuV/m dB Detector 2390.0000 47.42 8.31 55.73 74.00 -18.27 Peak 2390.0000 39.70 8.31 48.01 54.00 -5.99 AVG 2425.0000 86.17 8.35 94.52 54.00 40.52 AVG

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



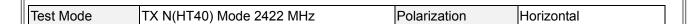


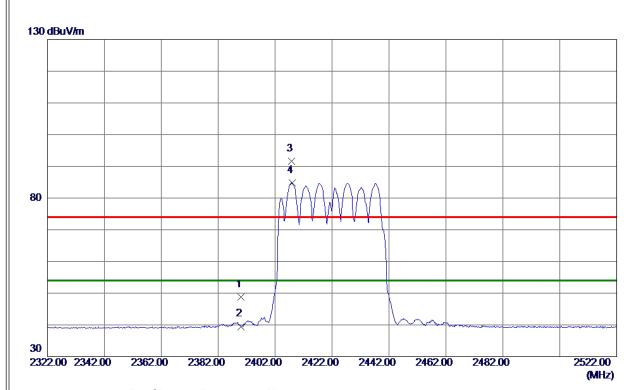


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4843. 2460	49. 21	5. 33	54. 54	74.00	-19. 46	Peak	No Limit
2 *	4843. 3730	38. 44	5. 33	43. 77	54. 00	-10. 23	AVG	No Limit

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



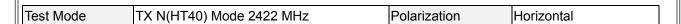




No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	40. 41	8. 31	48. 72	74.00	-25.28	Peak	
2	2390. 0000	31. 19	8. 31	39. 50	<b>54.00</b>	<b>-14.50</b>	AVG	
3	2407. 8000	83. 31	8. 33	91. 64	74.00	17.64	Peak	主波訊號不予判定
4 *	2408. 0000	76. 41	8. 33	84. 74	54. 00	30. 74	AVG	主波訊號不予判定

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





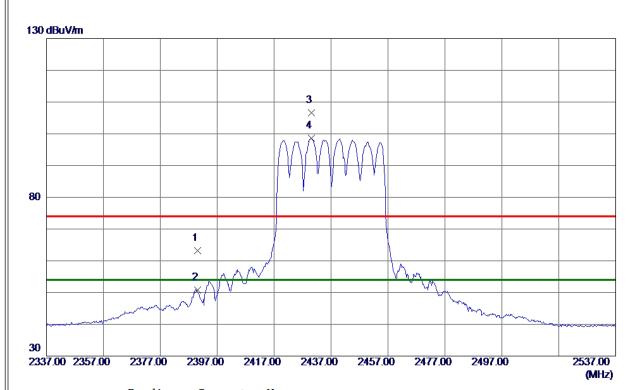


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4843. 1090	46. 25	5. 32	51. 57	74.00	-22. 43	Peak	No Limit
2	4844. 7200	35. 48	5. 33	40. 81	74. 00	-33. 19	Peak	No Limit

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



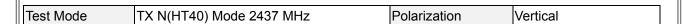


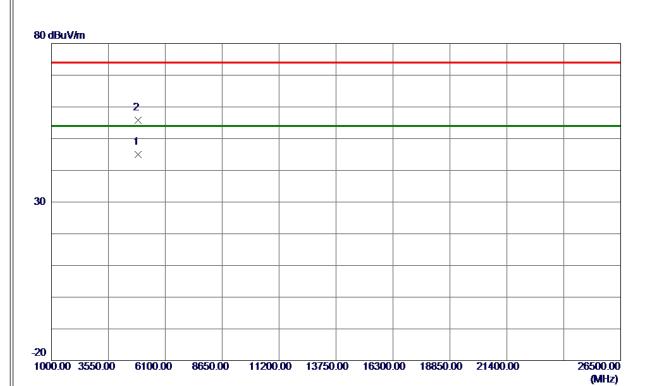


t LIMIC MA	Margin
V/m dBuV/m dF	B Detector Comment
27 74.00 -1	10. 73 Peak
76 54.00 -3	3. 24 AVG
. 65 74. 00 32	2.65 Peak 主波訊號不予判定
65 54.00 44	4.65 AVG 主波訊號不予判定
	V/m dBuV/m d 27 74.00 - 76 54.00 - .65 74.00 3

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





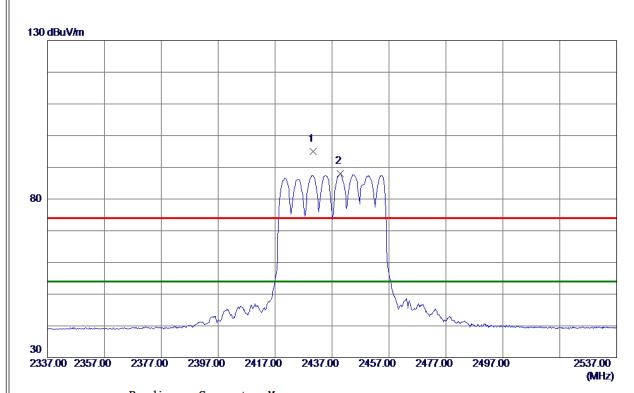


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873. 9110	39. 47	5. 48	44. 95	54.00	-9. 05	AVG	No Limit
2	4873. 9890	50. 28	5. 48	55. 76	74. 00	-18. 24	Peak	No Limit

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



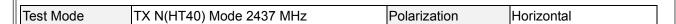




No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2430. 4000	86. 73	8. 36	95. 09	74.00	21. 09	Peak	主波訊號不予判定
2 *	2439. 8000	79. 60	8. 37	87. 97	54.00	33. 97	AVG	主波訊號不予判定

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





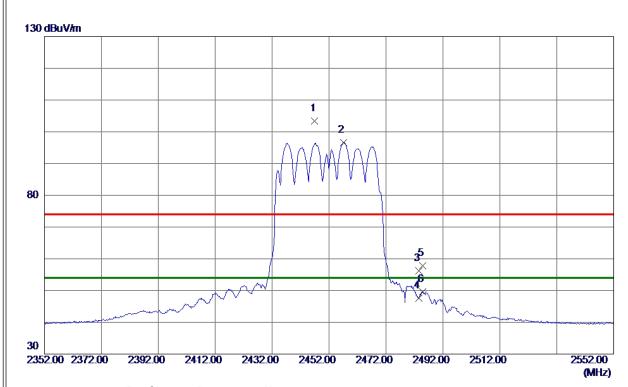


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873. 8420	46. 21	5. 48	51. 69	74.00	-22. 31	Peak	No Limit
2 *	4874. 0570	35. 47	5. 48	40. 95	54. 00	-13. 05	AVG	No Limit

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







No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2447. 0000	95. 09	8. 38	103. 47	74.00	29.47	Peak	主波訊號不予判定
2 *	2457. 0000	88. 30	8. 39	96. 69	54.00	42.69	AVG	主波訊號不予判定
3	2483. 5000	47. 83	8. 42	56. 25	74.00	-17. 75	Peak	
4	2483. 5000	39. 12	8. 42	47. 54	54.00	-6. 46	AVG	
5	2484. 8000	49. 40	8. 43	57. 83	74.00	-16. 17	Peak	
6	2484. 8000	41. 19	8. 43	49. 62	54.00	-4. 38	AVG	

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





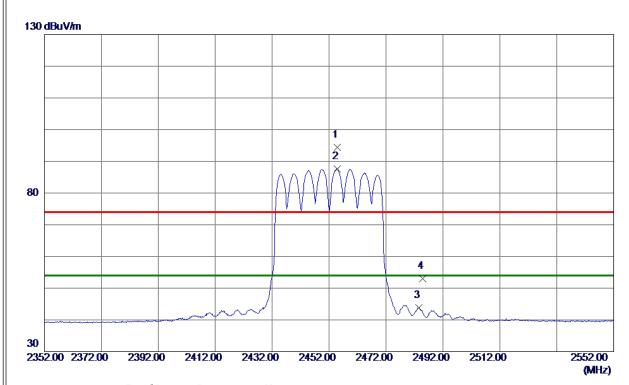


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4904. 1660	48. 14	5. 63	53. 77	74. 00	-20. 23	Peak	No Limit
2 *	4904. 9129	37. 51	5. 64	43. 15	54. 00	-10. 85	AVG	No Limit

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



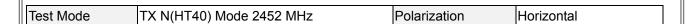


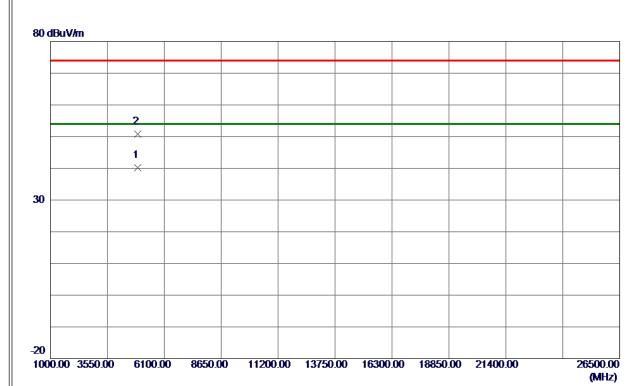


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2454. 8000	86. 07	8. 39	94. 46	74.00	20. 46	Peak	主波訊號不予判定
2 *	2454. 8000	79. 29	8. 39	87. 68	<b>54.00</b>	33. 68	AVG	主波訊號不予判定
3	2483. 5000	35. 46	8. 42	43.88	<b>54.00</b>	-10. 12	AVG	
4	2484. 8000	44. 53	8. 43	52. 96	74.00	-21. 04	Peak	

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







No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4904. 2360	34. 58	5. 63	40. 21	54. 00	-13. 79	AVG	No Limit
2	4904. 9610	45. 20	5. 64	50. 84	74. 00	-23. 16	Peak	No Limit

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

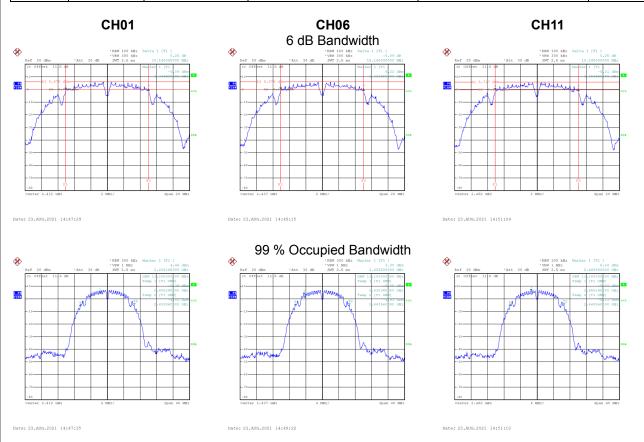


APPENDIX E - BANDWIDTH



Test Mode	TX B Mode
100t Widae	I A D Mode

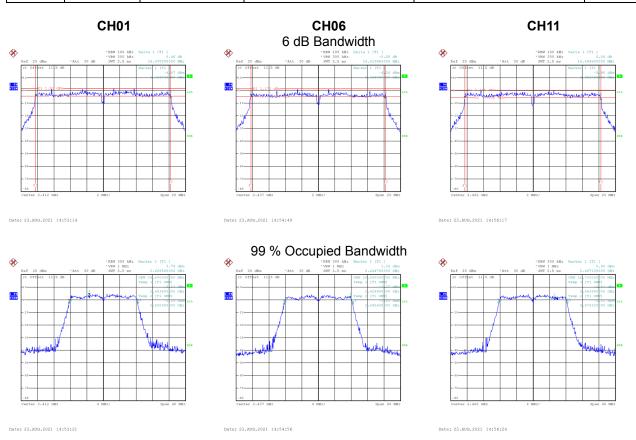
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	10.140	13.200	0.5	Complies
06	2437	10.140	13.200	0.5	Complies
11	2462	10.140	13.200	0.5	Complies





ı		
	Test Mode	TX G Mode

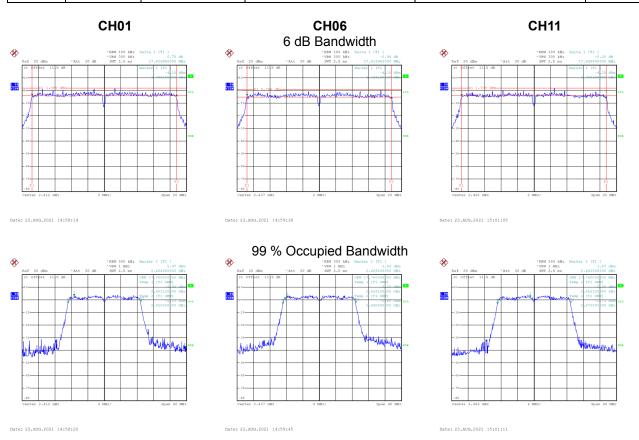
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.470	16.800	0.5	Complies
06	2437	16.420	16.800	0.5	Complies
11	2462	16.500	16.720	0.5	Complies





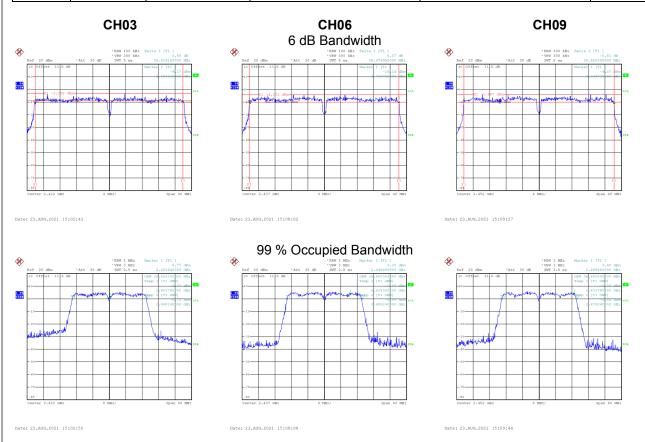
Test Mode	TX N(HT20) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	17.640	17.760	0.5	Complies
06	2437	17.620	17.760	0.5	Complies
11	2462	17.600	17.760	0.5	Complies

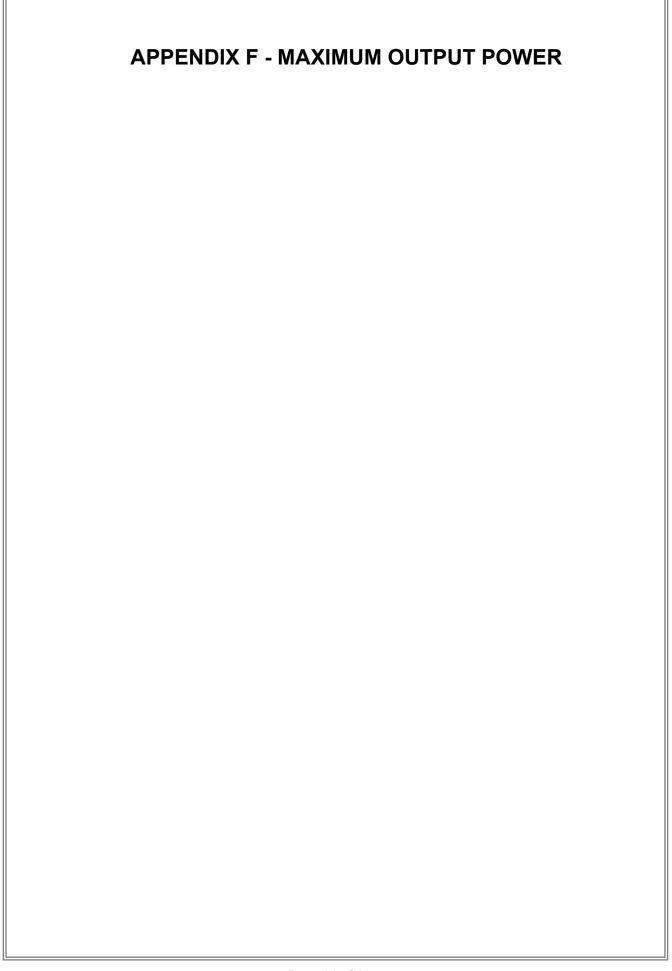




Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	35.919	36.480	0.5	Complies
06	2437	36.480	36.480	0.5	Complies
09	2452	36.520	36.480	0.5	Complies









Test Mode	TX B Mode_	Ant.	1
100t Wood	I I N D INIOGC_	_/ \  \  \  \  \	•

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.18	30.00	1.0000	Complies
06	2437	20.26	30.00	1.0000	Complies
11	2462	20.39	30.00	1.0000	Complies

## Test Mode TX G Mode\_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	24.38	30.00	1.0000	Complies
06	2437	24.53	30.00	1.0000	Complies
11	2462	24.69	30.00	1.0000	Complies

## Test Mode TX N(HT20) Mode\_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	23.84	30.00	1.0000	Complies
06	2437	24.38	30.00	1.0000	Complies
11	2462	24.37	30.00	1.0000	Complies

## Test Mode TX N(HT20) Mode\_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	22.94	30.00	1.0000	Complies
06	2437	24.26	30.00	1.0000	Complies
11	2462	23.73	30.00	1.0000	Complies

## Test Mode TX N(HT20) Mode\_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	26.42	30.00	1.0000	Complies
06	2437	27.33	30.00	1.0000	Complies
11	2462	27.07	30.00	1.0000	Complies



Test Mode	TX N(HT40) Mode_Ar	nt. 1
1000 1110 40	17 ( 1 ( 1 1 1 1 0 ) 1 1 1 0 4 0 7 11	

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	18.61	30.00	1.0000	Complies
06	2437	21.86	30.00	1.0000	Complies
09	2452	21.77	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 2	
100t Wood	17(11(111 10) MOGO_7(11t. 2	

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	17.92	30.00	1.0000	Complies
06	2437	21.28	30.00	1.0000	Complies
09	2452	20.34	30.00	1.0000	Complies

# Test Mode TX N(HT40) Mode\_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	21.29	30.00	1.0000	Complies
06	2437	24.59	30.00	1.0000	Complies
09	2452	24.12	30.00	1.0000	Complies



