FCC Radio Test Report

FCC ID: V7TRX9P

This report concerns: Original Grant

Project No.	:	2102C256
Equipment	:	AX3000 Dual-Band Gigabit Wi-Fi 6 Router
Brand Name	:	Tenda
Test Model	:	RX9 Pro
Series Model	:	TX9 Pro, TX9, RX9
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	:	Feb. 07, 2021
Date of Test	:	Feb. 08, 2021 ~ Mar. 13, 2021
Issued Date	:	Mar. 22, 2021
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG2021020722 for conducted, DG2021020721 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 : Chella Zheng

Approved by : Ethan Ma

Certificate #5123.02

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

Declaration

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

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

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

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.
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.	Mar. 22, 2021

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart C (15.247)				
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 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)
DG-C02	CISPR	150kHz ~ 30MHz	2.68

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	-	3.02
		30MHz ~ 200MHz	V	4.26
		30MHz ~ 200MHz	H	3.38
		200MHz ~ 1,000MHz	V	3.98
		200MHz ~ 1,000MHz	H	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	Gerry Zhao
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Hayden Chen
Radiated Emissions-30 MHz to 1GHz	26°C	52%	AC 120V/60Hz	Hayden Chen
Radiated Emissions-Above 1000 MHz	26°C	52%	AC 120V/60Hz	Hayden Chen
Bandwidth	24°C	48%	DC 12V	Grani Zhou
Maximum Output Power	24°C	48%	DC 12V	Evan Yang
Conducted Spurious Emissions	24°C	48%	DC 12V	Grani Zhou
Power Spectral Density	24°C	48%	DC 12V	Grani Zhou

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AX3000 Dual-Band Gigabit Wi-Fi 6 Router
Brand Name	Tenda
Test Model	RX9 Pro
Series Model	TX9 Pro, TX9, RX9
Model Difference(s)	Only differ in model name.
Power Source	DC voltage supplied from AC adapter. Model: BN074-A18012U
Power Rating	I/P: 100-240V ~50/60Hz 0.6A O/P: 12.0V ⎓ 1.5A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Technology	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 802.11ax: OFDMA
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 IEEE 802.11ax: up to 573.6 Mbps
Maximum Peak Output Power _Non Beamforming	IEEE 802.11b: 20.78 dBm (0.1197 W) IEEE 802.11g: 28.88 dBm (0.7727 W) IEEE 802.11n (HT20): 29.89 dBm (0.9750 W) IEEE 802.11n (HT40): 29.78 dBm (0.9506 W) IEEE 802.11ax (HE20): 29.98 dBm (0.9954 W) IEEE 802.11ax (HE40): 29.75 dBm (0.9441 W)
Maximum Peak Output Power _Beamforming	IEEE 802.11n (HT20): 27.89 dBm (0.6152 W) IEEE 802.11n (HT40): 27.78 dBm (0.5998 W) IEEE 802.11ax (HE20): 27.91 dBm (0.6180 W) IEEE 802.11ax (HE40): 27.75 dBm (0.5957 W)
Maximum Average Output Power _Non Beamforming	IEEE 802.11b: 18.67 dBm (0.0736 W) IEEE 802.11g: 19.32 dBm (0.0855 W) IEEE 802.11n (HT20): 19.82 dBm (0.0959 W) IEEE 802.11n (HT40): 19.61 dBm (0.0914 W) IEEE 802.11ax (HE20): 19.78 dBm (0.0951 W) IEEE 802.11ax (HE40): 19.48 dBm (0.0887 W)
Maximum Average Output Power _Beamforming	IEEE 802.11n (HT20): 18.57 dBm (0.0719 W) IEEE 802.11n (HT40): 18.37 dBm (0.0687 W) IEEE 802.11ax (HE20): 18.53 dBm (0.0713 W) IEEE 802.11ax (HE40): 18.23 dBm (0.0665 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), IEEE 802.11ax (HE20) CH03 - CH09 for IEEE 802.11n (HT40), IEEE 802.11ax (HE40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. RU Configuration:

IEEE 802.11ax (HE20)	Resource Unit	242 Tone(20M)
	Specific Resource Unit	61
IEEE 802.11ax (HE40)	Resource Unit	484 Tone(40M)
	Specific Resource Unit	65

Note: IEEE 802.11ax mode only supports the highest tone, so the highest tone was evaluated and measured inside report.

4. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Tenda	N/A	Dipole	N/A	5.07
2	Tenda	N/A	Dipole	N/A	5.07

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 ($N_{ANT} \leqslant 4$), so the Directional gain=5.07.
For power spectral density measurements, N_{ANT}=2, N_{SS} = 1.
So the Directional gain=G_{ANT}+Array Gain=G_{ANT}+10log(N_{ANT}/ N_{SS})dBi=5.07+10log(2/1)dBi=8.08.
Then, the power spectral density limit is 8-(8.08-6)=5.92.
2) Beamforming Gain: 3 dB. So Directional gain=3+5.07=8.07. Then, the power limit is 30-(8.07-6)=27.93.
3) The antenna gain and beamforming gain are provided by the manufacturer.

5. Table for Antenna Configuration:

For Non Beamforming:

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)
IEEE 802.11ax (HE20)	-	V (Ant. 1+Ant. 2)
IEEE 802.11ax (HE40)	-	V (Ant. 1+Ant. 2)

For Beamforming:

Operating Mode / TX Mode	2TX
IEEE 802.11n (HT20)	V (Ant. 1+Ant. 2)
IEEE 802.11n (HT40)	V (Ant. 1+Ant. 2)
IEEE 802.11ax (HE20)	V (Ant. 1+Ant. 2)
IEEE 802.11ax (HE40)	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 AX-20 MHz Mode Channel 01/06/11
Mode 6	TX AX-40 MHz Mode Channel 03/06/09
Mode 7	TX AX-20 MHz Mode 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 7	TX AX-20 MHz Mode Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 7	TX AX-20 MHz Mode Mode Channel 06

Radiated emissions test- Above 1GHz_Non Beamforming	
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
Mode 5	TX AX-20 MHz Mode Channel 01/06/11
Mode 6	TX AX-40 MHz Mode Channel 03/06/09

Maximum Output Power test_Non Beamforming	
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
Mode 5	TX AX-20 MHz Mode Channel 01/06/11
Mode 6	TX AX-40 MHz Mode Channel 03/06/09

Maximum Output Power test_Beamforming	
Final Test Mode	Description
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 AX-20 MHz Mode Channel 01/06/11
Mode 6	TX AX-40 MHz Mode Channel 03/06/09

Other Conducted test_Non Beamforming	
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
Mode 5	TX AX-20 MHz Mode Channel 01/06/11
Mode 6	TX AX-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 802.11ax20 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.
(5) The measurements for Maximum Output Power are tested, the Non Beamforming and Beamforming are recorded in the report. The worst case is Non Beamforming and only the worst case is documented for other test items.
(6) For radiated emissions, the TX WLAN 2.4G B Mode 2412MHz + WLAN 5G A Mode 5580MHz was found the worst case of simultaneous transmission and recorded.

2.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

Test Software	DUT GUI-Version 610.32		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	68	68	68
IEEE 802.11g	69	70	65
IEEE 802.11n (HT20)	62	63	63
IEEE 802.11ax (HE20)	62	63	63
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	63	63	61
IEEE 802.11ax (HE40)	63	63	62

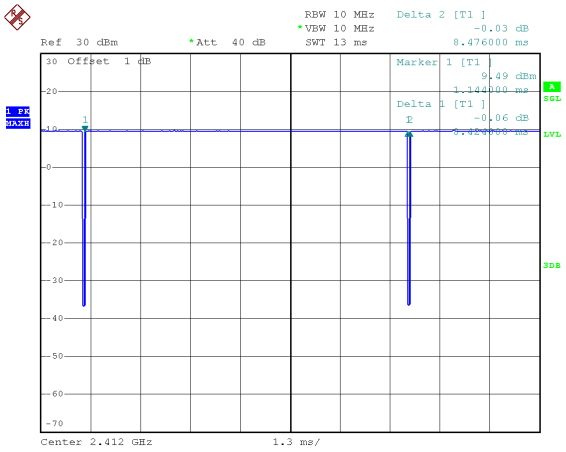
Beamforming

Test Software	DUT GUI-Version 610.32		
Frequency (MHz)	2412	2437	2462
IEEE 802.11n (HT20)	57	58	58
IEEE 802.11ax (HE20)	57	58	58
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	58	58	58
IEEE 802.11ax (HE40)	58	58	57

2.4 DUTY CYCLE

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

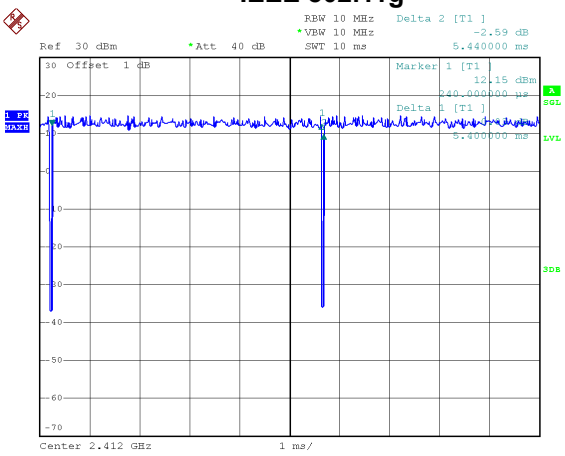
IEEE 802.11b



Date: 18.FEB.2021 14:50:24

Duty cycle = 8.424 ms / 8.476 ms = 99.39%
Duty Factor = 10 log(1/Duty cycle) = 0.00

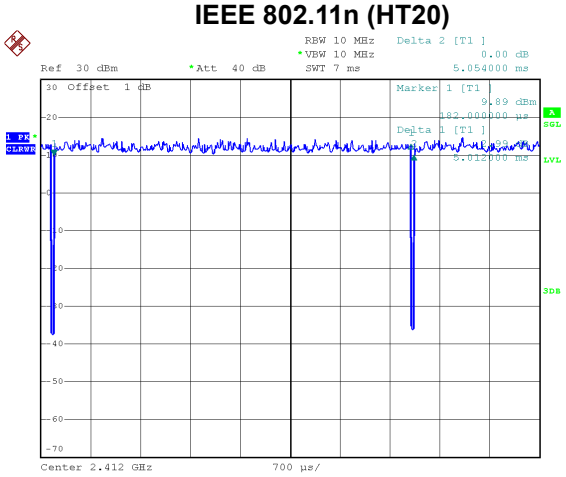
IEEE 802.11g



Date: 18.FEB.2021 14:51:34

Duty cycle = 5.400 ms / 5.440 ms = 99.26%
Duty Factor = 10 log(1/Duty cycle) = 0.00

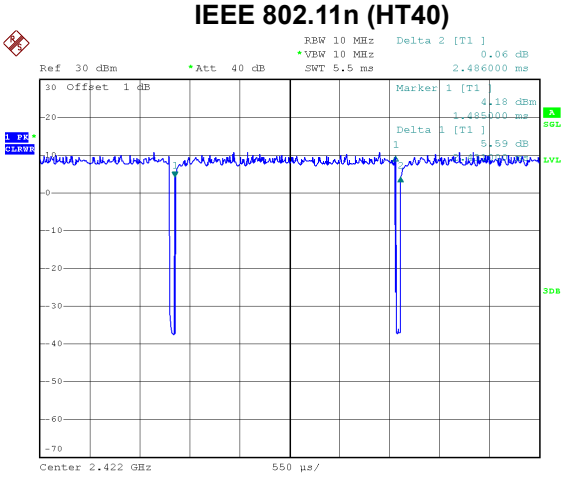
IEEE 802.11n (HT20)



Date: 18.FEB.2021 14:53:36

Duty cycle = 5.012 ms / 5.054 ms = 99.17%
Duty Factor = 10 log(1/Duty cycle) = 0.00

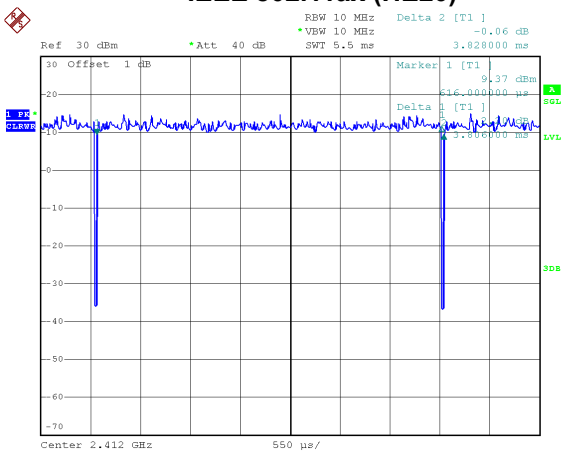
IEEE 802.11n (HT40)



Date: 18.FEB.2021 14:54:14

Duty cycle = 2.431 ms / 2.486 ms = 97.79%
Duty Factor = 10 log(1/Duty cycle) = 0.10

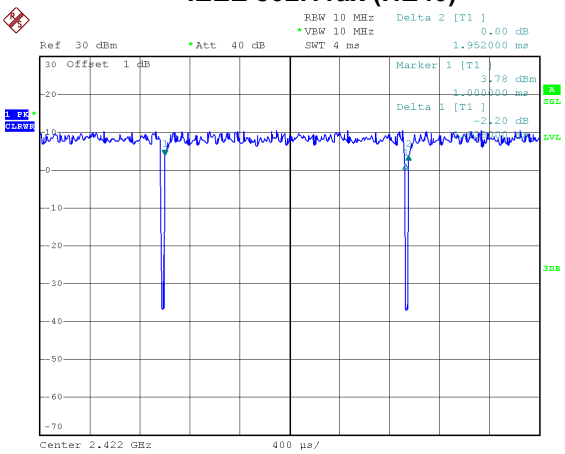
IEEE 802.11ax (HE20)



Date: 18.FEB.2021 14:56:58

Duty cycle = 3.806 ms / 3.828 ms = 99.43%
Duty Factor = 10 log(1/Duty cycle) = 0.00

IEEE 802.11ax (HE40)



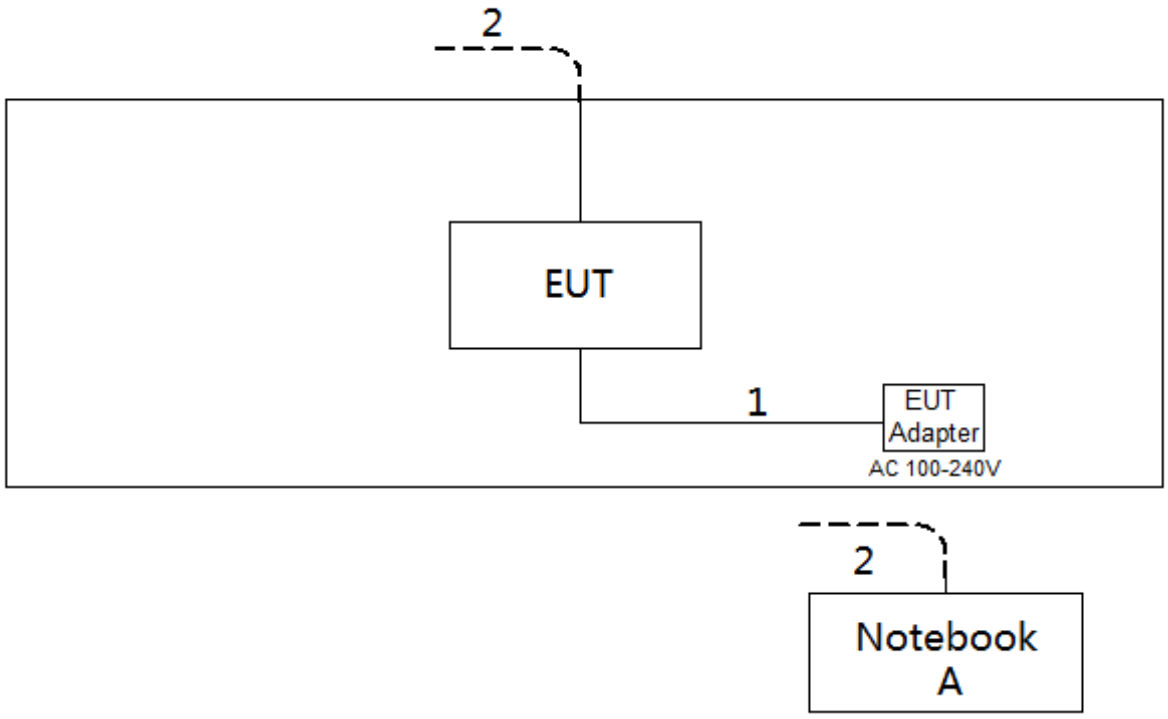
Date: 18.FEB.2021 14:57:48

Duty cycle = 1.928 ms / 1.952 ms = 98.77%
Duty Factor = 10 log(1/Duty cycle) = 0.00

NOTE:
For IEEE 802.11g, IEEE 802.11n (HT20) and IEEE 802.11ax (HE20):
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) and IEEE 802.11ax (HE40):
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.
A	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)	
	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

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

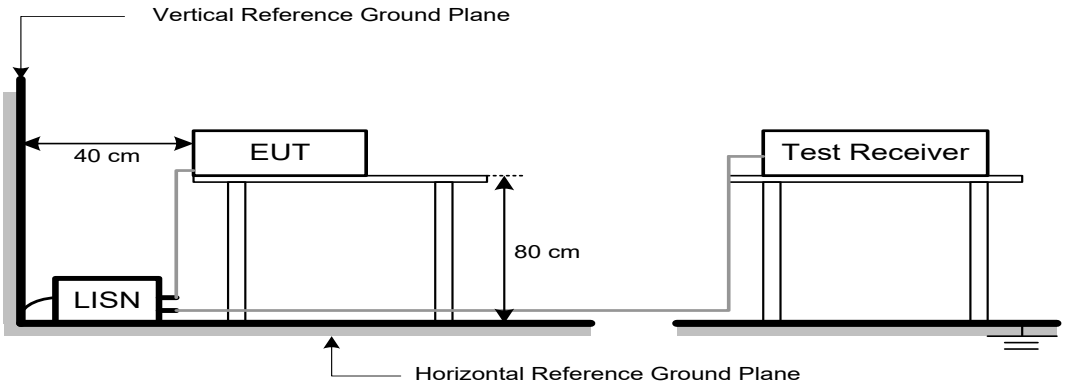
3.2 TEST PROCEDURE

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 (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	(dBuV/m at 3 m)	
	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 (Emission in restricted band)	1 MHz / 3 MHz for Peak, 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

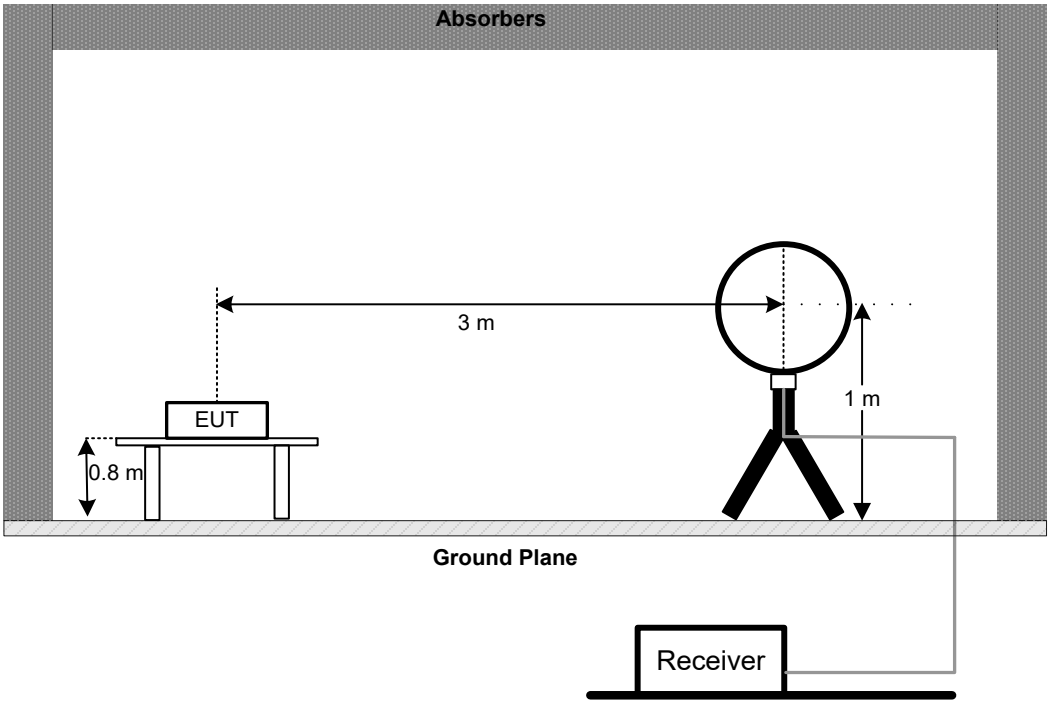
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
b. The measuring distance 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

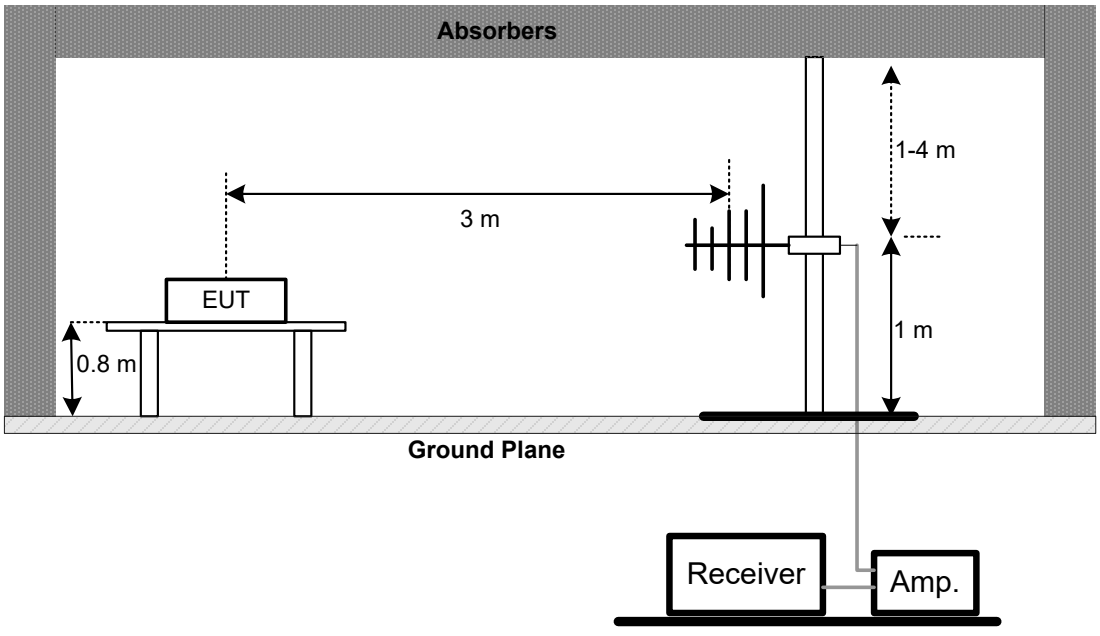
No deviation

4.4 TEST SETUP

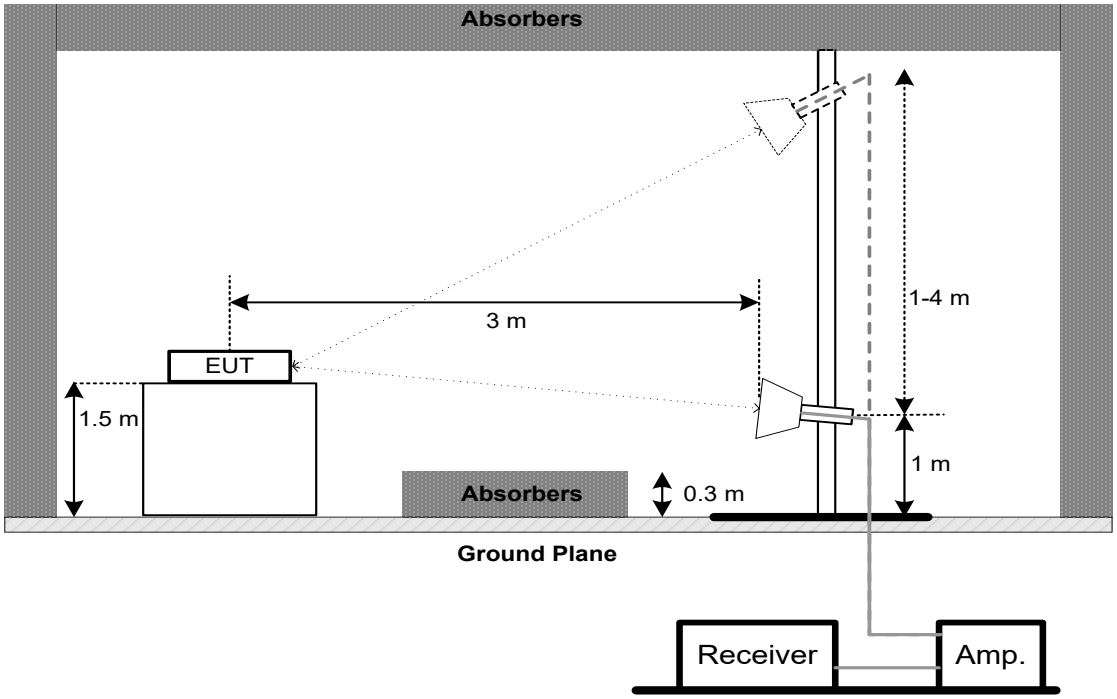
9 kHz-30 MHz



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
	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/N20/AX20 Mode: RBW=300kHz, VBW=1MHz, Sweep time=2.5 ms.
For 99% Emission Bandwidth N40/AX40 Mode: RBW=1MHz, VBW=3MHz, 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

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

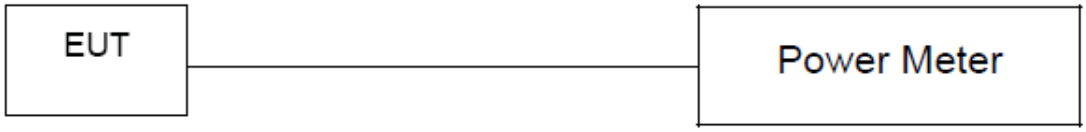
6.2 TEST PROCEDURE

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



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.

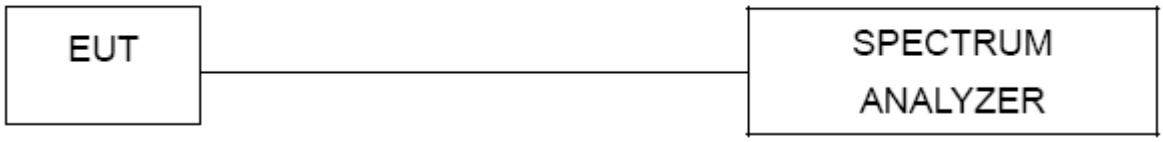
7.2 TEST PROCEDURE

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



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)

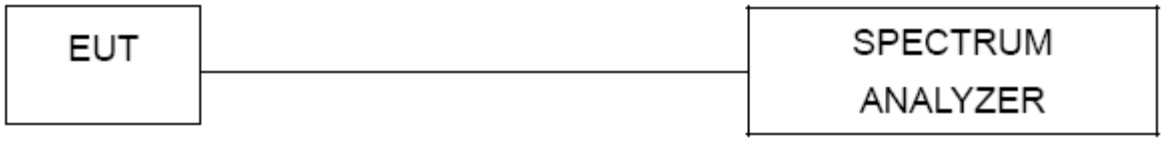
8.2 TEST PROCEDURE

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



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	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. 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. 25, 2021

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	586	Nov. 27, 2021
2	Amplifier	HP	8447D	2944A08742	Feb. 28, 2022
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	3008A02584	Jul. 25, 2021
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 28, 2022
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-6000	N/A	Oct. 16, 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

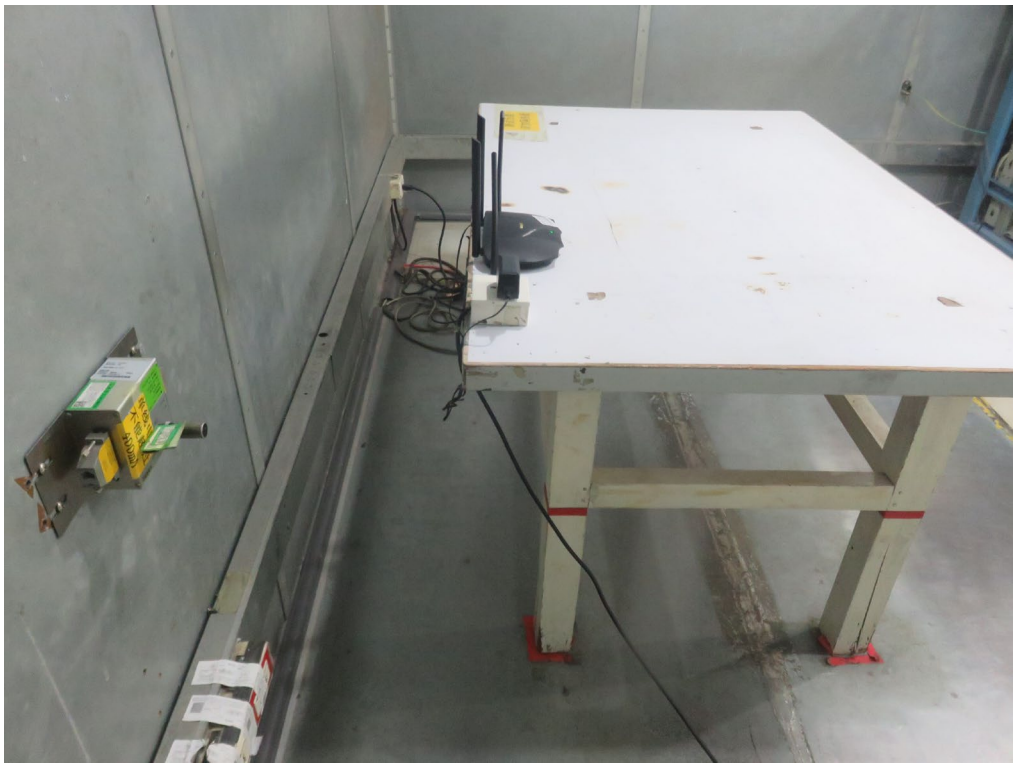
Bandwidth & Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 25, 2021
2	RF Cable	Tongkaichuan	N/A	N/A	N/A
3	DC Block	Mini	N/A	N/A	N/A
4	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 07, 2022

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
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. 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.

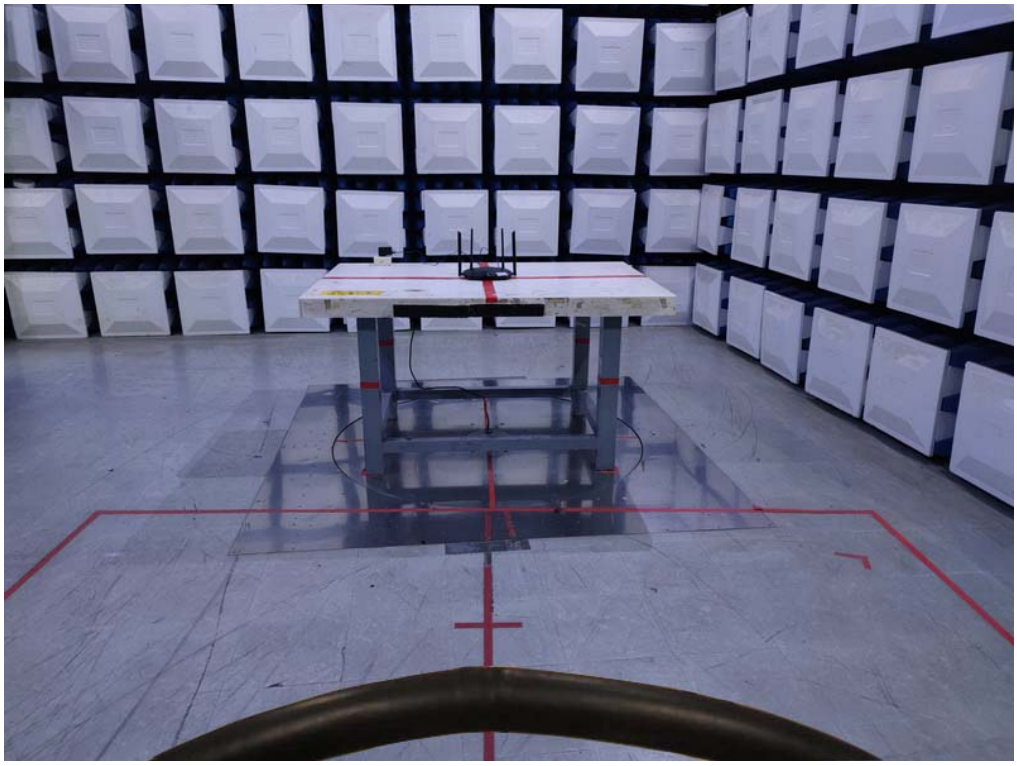
10. EUT TEST PHOTO

AC Power Line Conducted Emissions Test Photos



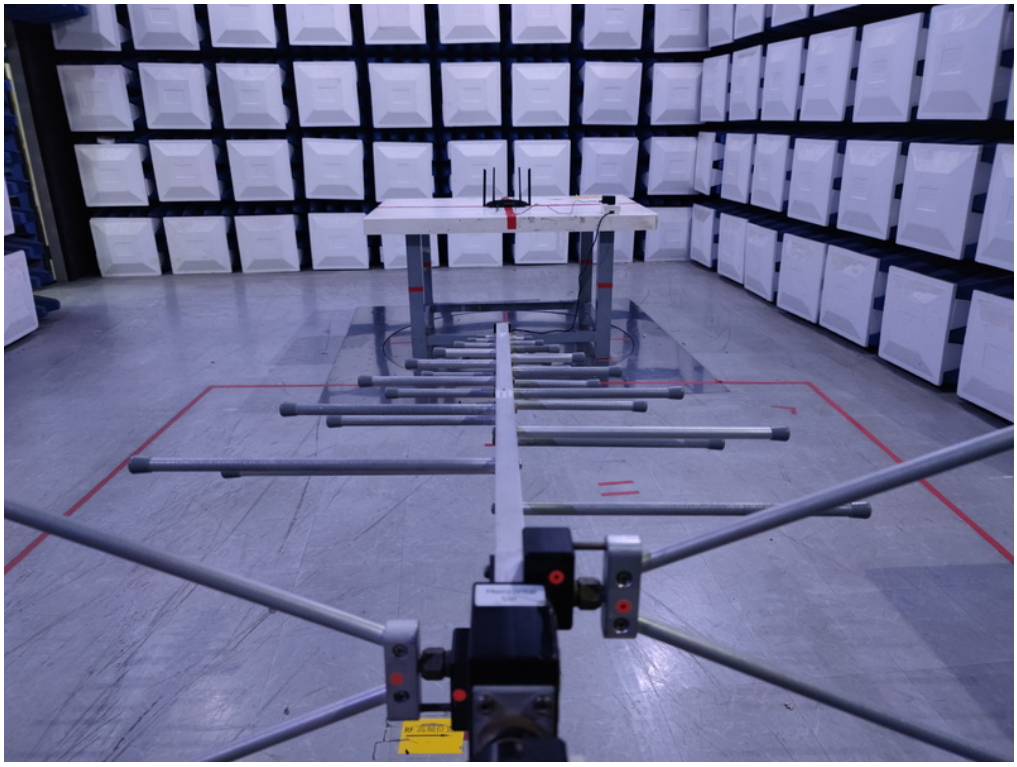
Radiated Emissions Test Photos

9 kHz to 30 MHz



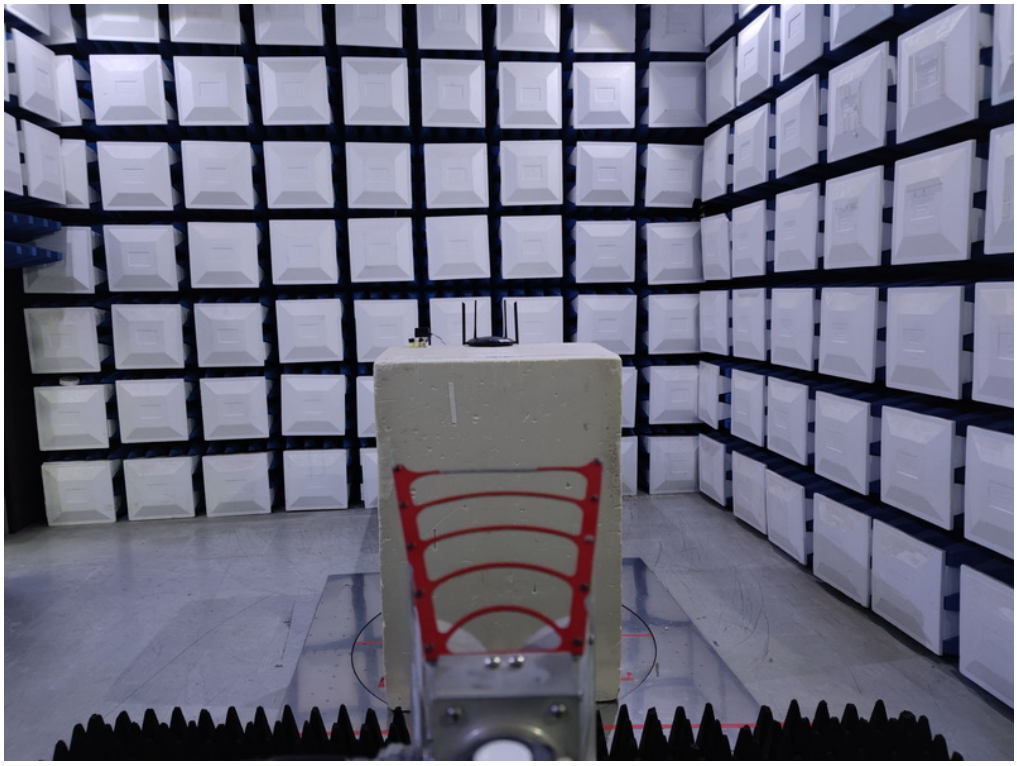
Radiated Emissions Test Photos

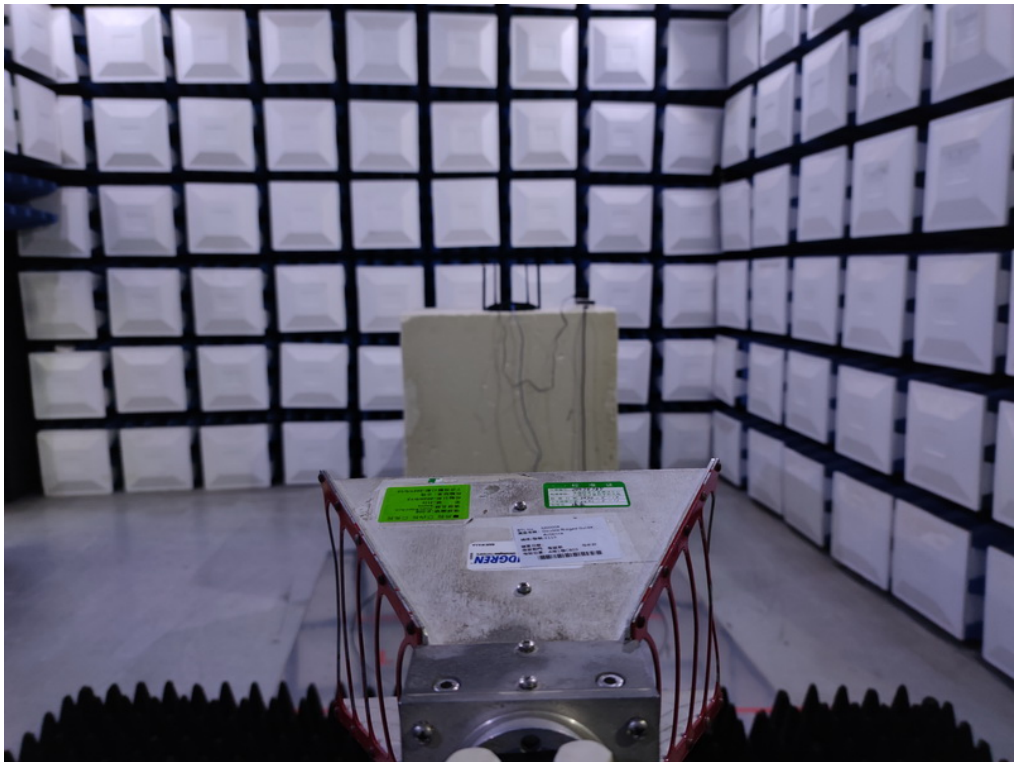
30 MHz to 1 GHz



Radiated Emissions Test Photos

Above 1 GHz

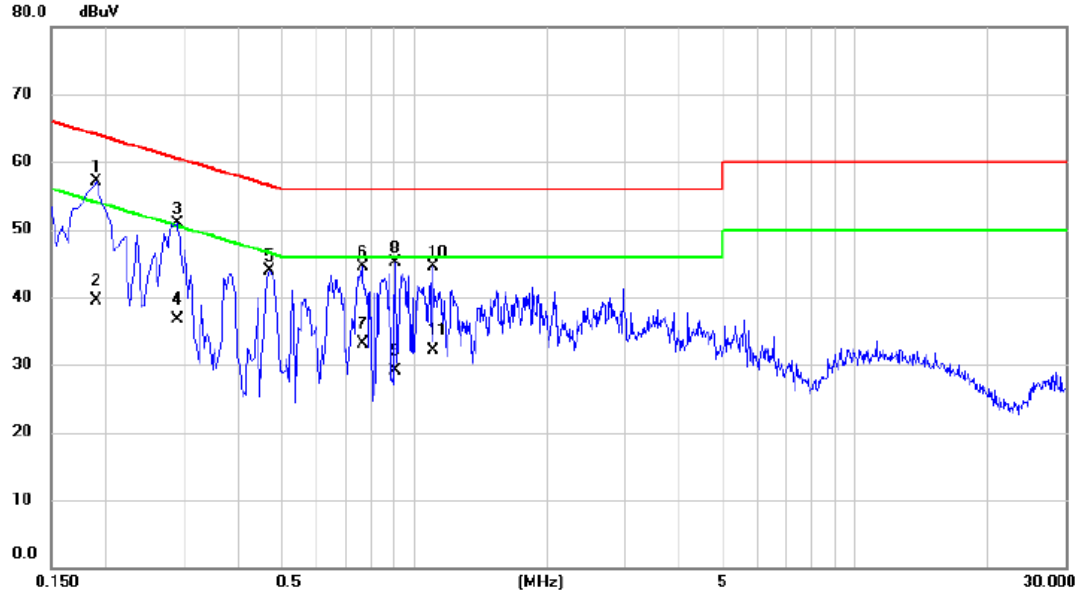




APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Voltage:	AC 120V/60Hz
Test Mode:	TX AX20 Mode Channel 06

Line

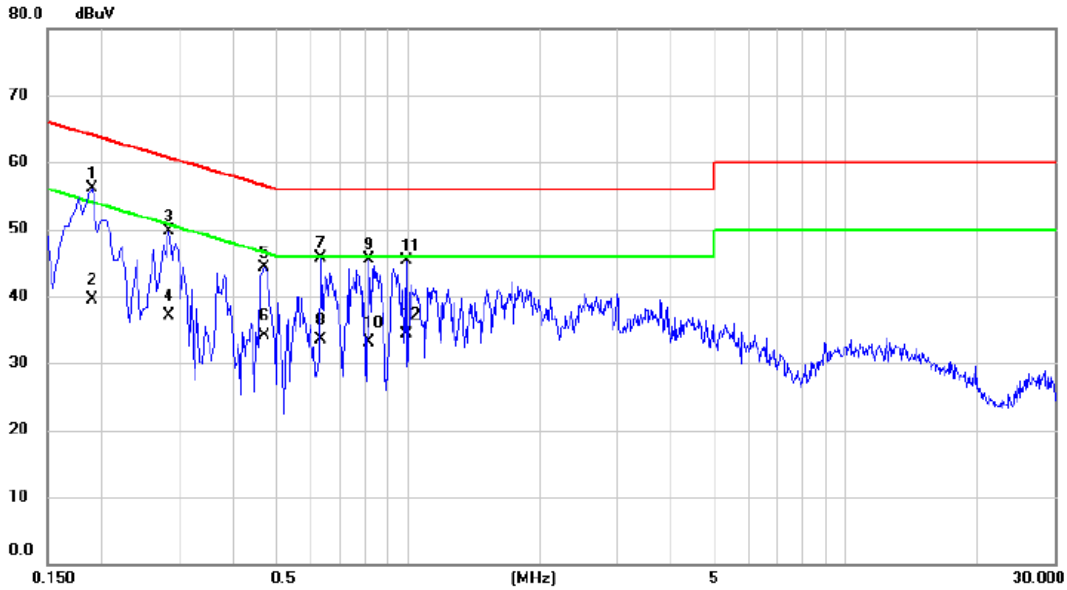


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1905	47.27	9.88	57.15	64.01	-6.86	peak	
2		0.1905	29.60	9.88	39.48	54.01	-14.53	AVG	
3		0.2895	41.03	9.88	50.91	60.54	-9.63	peak	
4		0.2895	26.80	9.88	36.68	50.54	-13.86	AVG	
5		0.4695	34.02	9.92	43.94	56.52	-12.58	peak	
6		0.7620	34.60	9.92	44.52	56.00	-11.48	peak	
7		0.7620	23.10	9.92	33.02	46.00	-12.98	AVG	
8		0.9060	35.04	9.97	45.01	56.00	-10.99	peak	
9		0.9060	19.20	9.97	29.17	46.00	-16.83	AVG	
10		1.1040	34.47	9.99	44.46	56.00	-11.54	peak	
11		1.1040	22.20	9.99	32.19	46.00	-13.81	AVG	

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

Test Voltage:	AC 120V/60Hz
Test Mode:	TX AX20 Mode Channel 06

Neutral

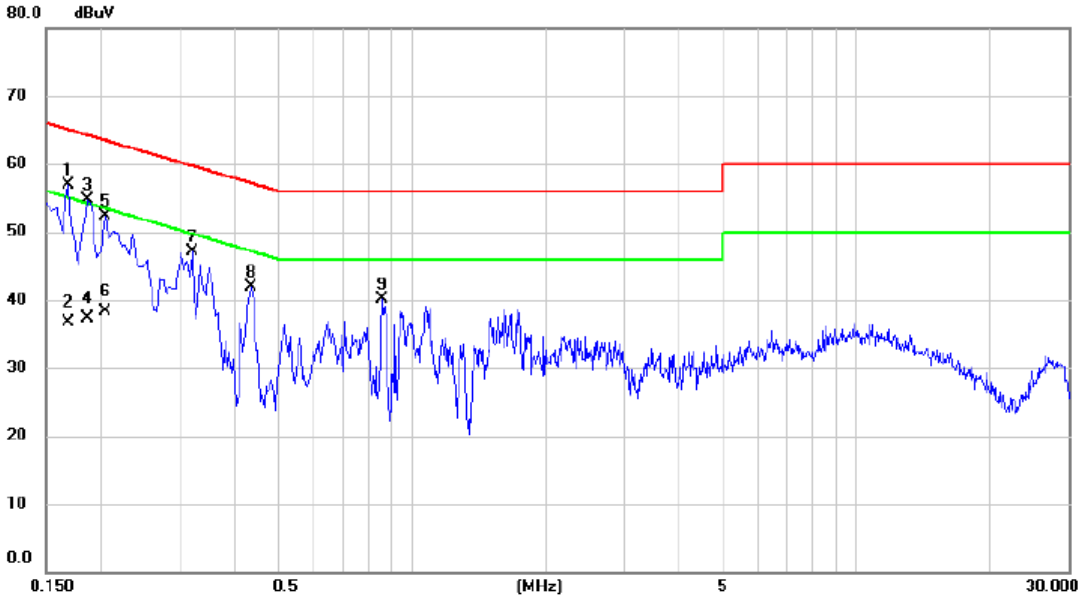


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1905	46.08	9.98	56.06	64.01	-7.95	peak	
2		0.1905	29.60	9.98	39.58	54.01	-14.43	AVG	
3		0.2850	39.78	10.00	49.78	60.67	-10.89	peak	
4		0.2850	27.10	10.00	37.10	50.67	-13.57	AVG	
5		0.4695	34.22	10.11	44.33	56.52	-12.19	peak	
6		0.4695	23.90	10.11	34.01	46.52	-12.51	AVG	
7		0.6315	35.48	10.14	45.62	56.00	-10.38	peak	
8		0.6315	23.40	10.14	33.54	46.00	-12.46	AVG	
9		0.8160	35.30	10.22	45.52	56.00	-10.48	peak	
10		0.8160	22.80	10.22	33.02	46.00	-12.98	AVG	
11		0.9915	35.00	10.27	45.27	56.00	-10.73	peak	
12		0.9915	24.10	10.27	34.37	46.00	-11.63	AVG	

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

Test Voltage:	AC 240V/50Hz
Test Mode:	TX AX20 Mode Channel 06

Line

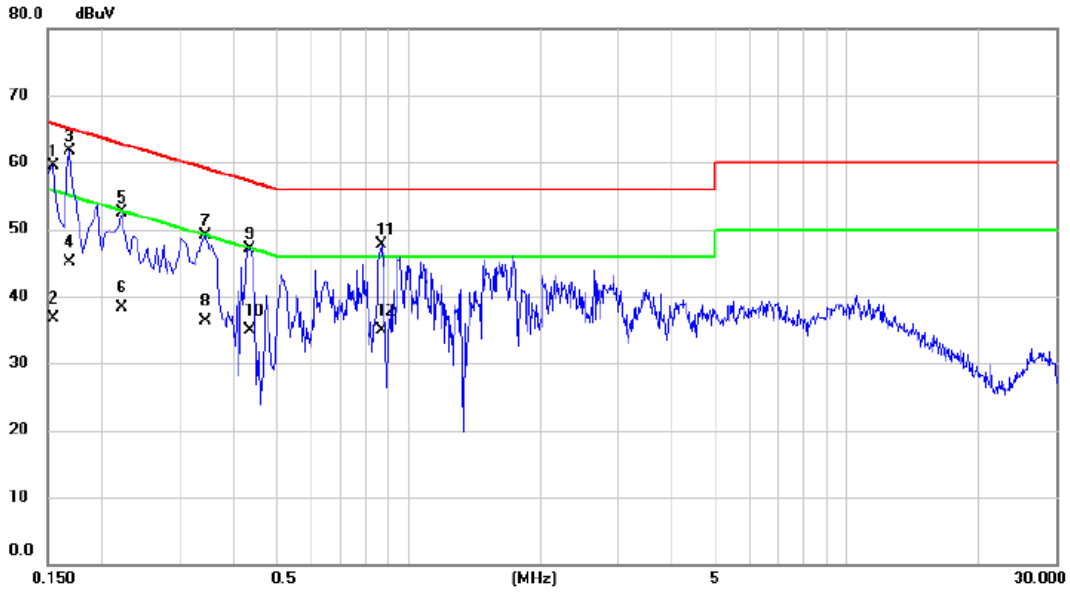


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1680	47.00	9.81	56.81	65.06	-8.25	peak	
2		0.1680	26.80	9.81	36.61	55.06	-18.45	AVG	
3		0.1860	44.79	9.86	54.65	64.21	-9.56	peak	
4		0.1860	27.40	9.86	37.26	54.21	-16.95	AVG	
5		0.2040	42.34	9.91	52.25	63.45	-11.20	peak	
6		0.2040	28.30	9.91	38.21	53.45	-15.24	AVG	
7		0.3210	37.19	9.88	47.07	59.68	-12.61	peak	
8		0.4335	32.06	9.91	41.97	57.19	-15.22	peak	
9		0.8565	30.08	9.97	40.05	56.00	-15.95	peak	

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

Test Voltage:	AC 240V/50Hz
Test Mode:	TX AX20 Mode Channel 06

Neutral



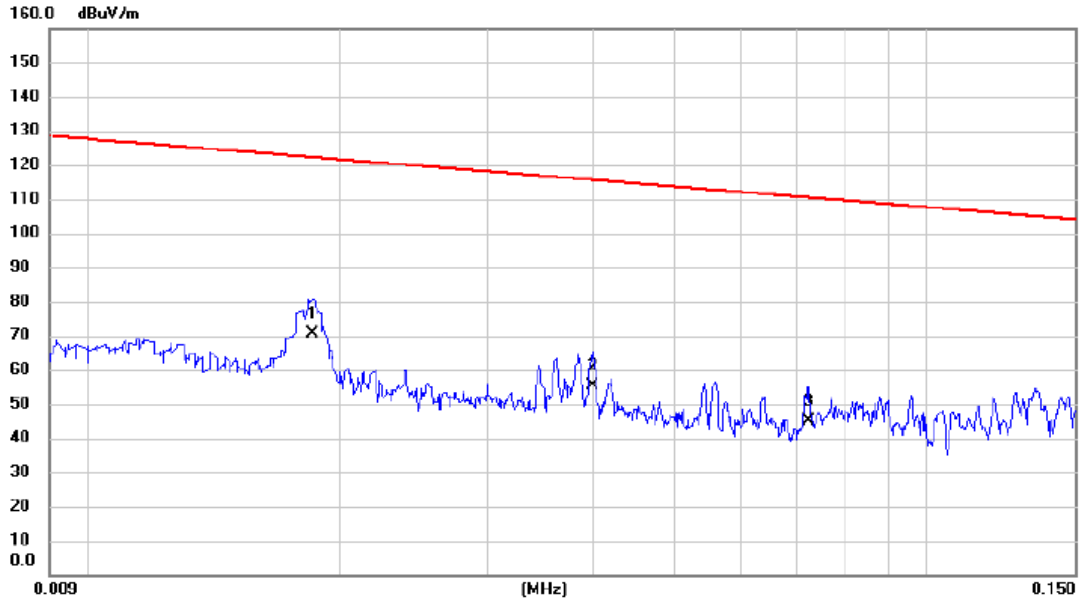
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1545	49.70	9.77	59.47	65.75	-6.28	peak	
2		0.1545	26.90	9.77	36.67	55.75	-19.08	AVG	
3	*	0.1680	51.92	9.88	61.80	65.06	-3.26	peak	
4		0.1680	35.20	9.88	45.08	55.06	-9.98	AVG	
5		0.2220	42.45	9.99	52.44	62.74	-10.30	peak	
6		0.2220	28.40	9.99	38.39	52.74	-14.35	AVG	
7		0.3435	39.06	10.03	49.09	59.12	-10.03	peak	
8		0.3435	26.30	10.03	36.33	49.12	-12.79	AVG	
9		0.4335	36.95	10.08	47.03	57.19	-10.16	peak	
10		0.4335	24.90	10.08	34.98	47.19	-12.21	AVG	
11		0.8700	37.46	10.23	47.69	56.00	-8.31	peak	
12		0.8700	24.70	10.23	34.93	46.00	-11.07	AVG	

REMARKS:
(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 AX20 Mode Channel 06

Ant 0°

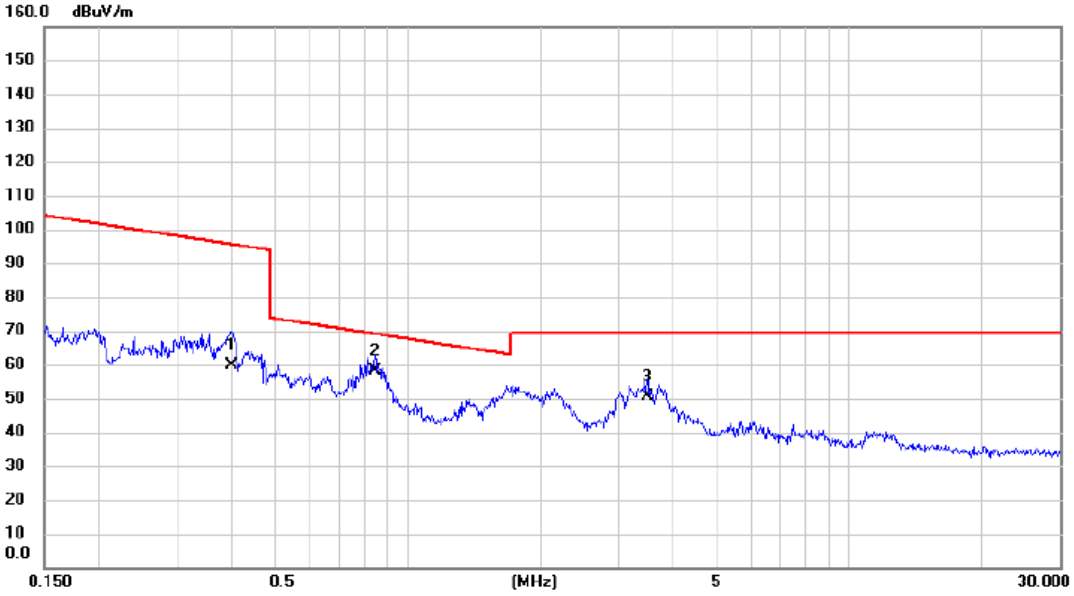


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	0.0185	57.01	13.68	70.69	122.26	-51.57	AVG			
2		0.0400	42.81	12.69	55.50	115.56	-60.06	AVG			
3		0.0724	32.64	12.55	45.19	110.41	-65.22	AVG			

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

Test Mode:	TX AX20 Mode Channel 06

Ant 0°

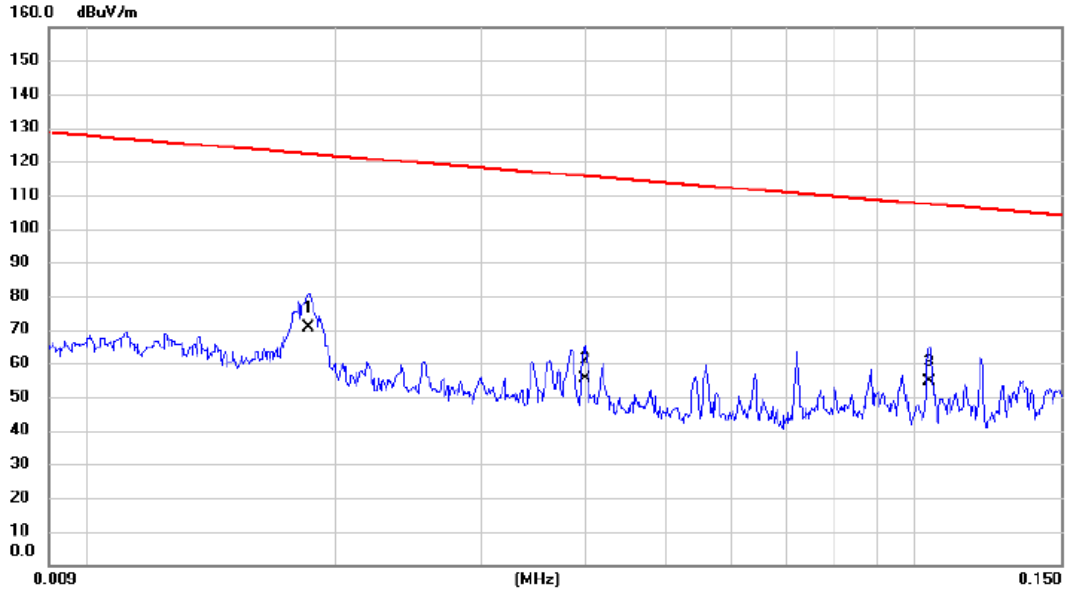


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		0.3997	47.35	12.26	59.61	95.57	-35.96	AVG			
2	*	0.8437	46.25	11.86	58.11	69.08	-10.97	QP			
3		3.4906	39.84	10.88	50.72	69.54	-18.82	QP			

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

Test Mode:	TX AX20 Mode Channel 06

Ant 90°

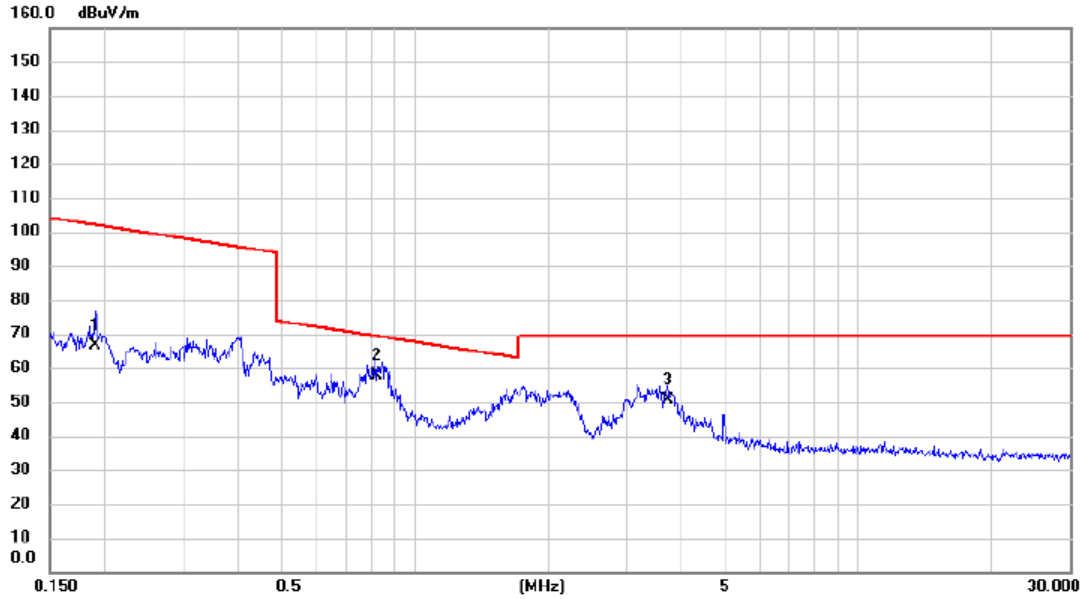


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	0.0185	56.85	13.68	70.53	122.26	-51.73	AVG			
2		0.0400	42.53	12.69	55.22	115.56	-60.34	AVG			
3		0.1041	41.75	12.72	54.47	107.26	-52.79	AVG			

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

Test Mode:	TX AX20 Mode Channel 06

Ant 90°



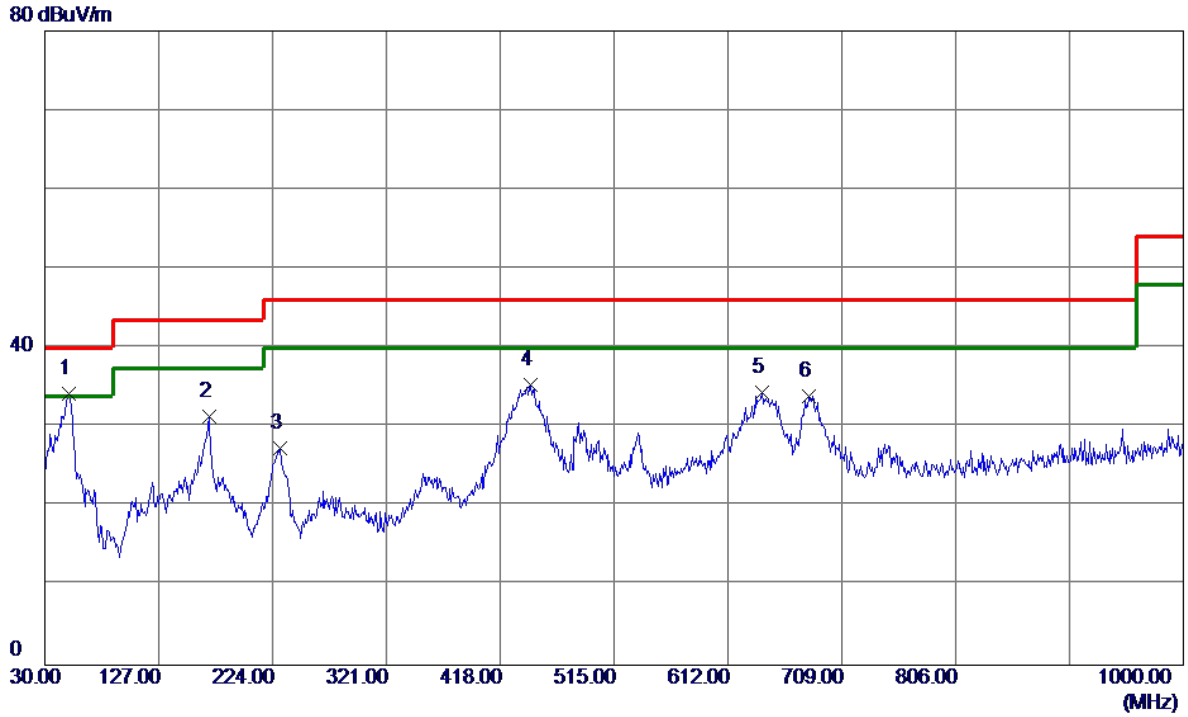
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		0.1904	54.01	12.76	66.77	102.01	-35.24	AVG			
2	*	0.8174	45.92	11.87	57.79	69.36	-11.57	QP			
3		3.7198	39.52	10.91	50.43	69.54	-19.11	QP			

REMARKS:
(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 AX20 Mode Channel 06

Vertical

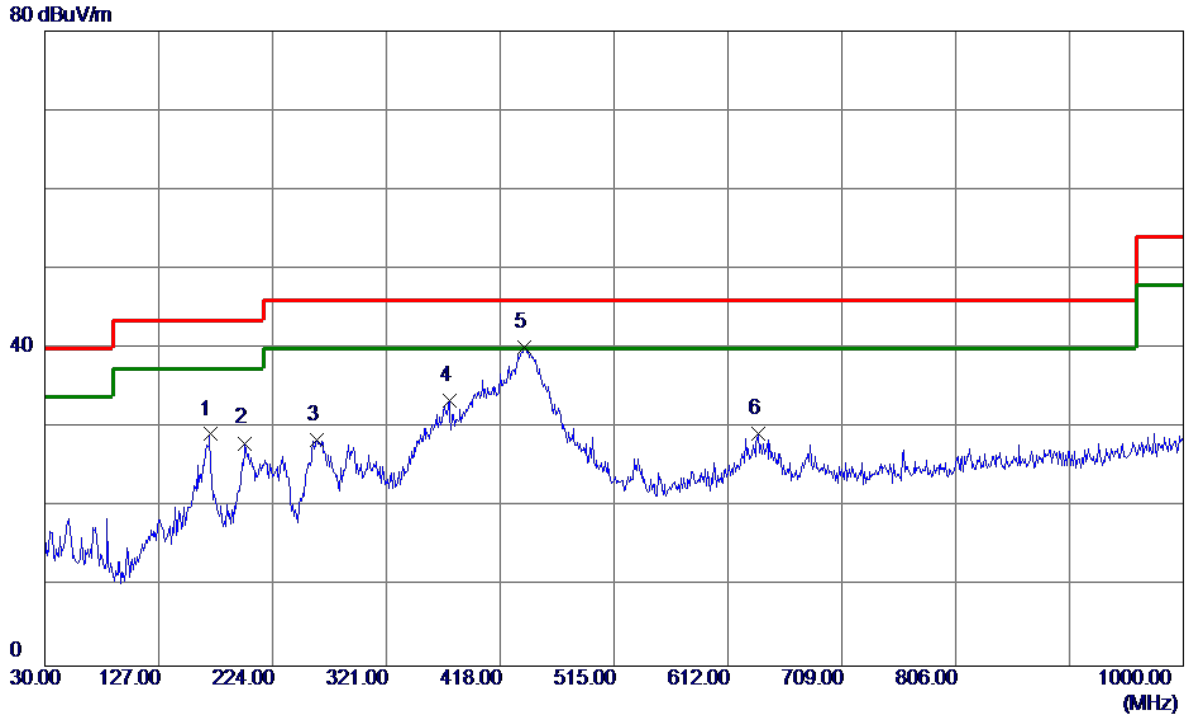


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	50.3700	47.87	-13.56	34.31	40.00	-5.69	Peak	
2	169.6799	43.34	-12.03	31.31	43.50	-12.19	Peak	
3	230.7900	41.25	-13.84	27.41	46.00	-18.59	Peak	
4	444.1900	43.22	-7.79	35.43	46.00	-10.57	Peak	
5	641.1000	38.82	-4.46	34.36	46.00	-11.64	Peak	
6	680.8700	37.79	-3.84	33.95	46.00	-12.05	Peak	

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

Test Mode:	TX AX20 Mode Channel 06

Horizontal



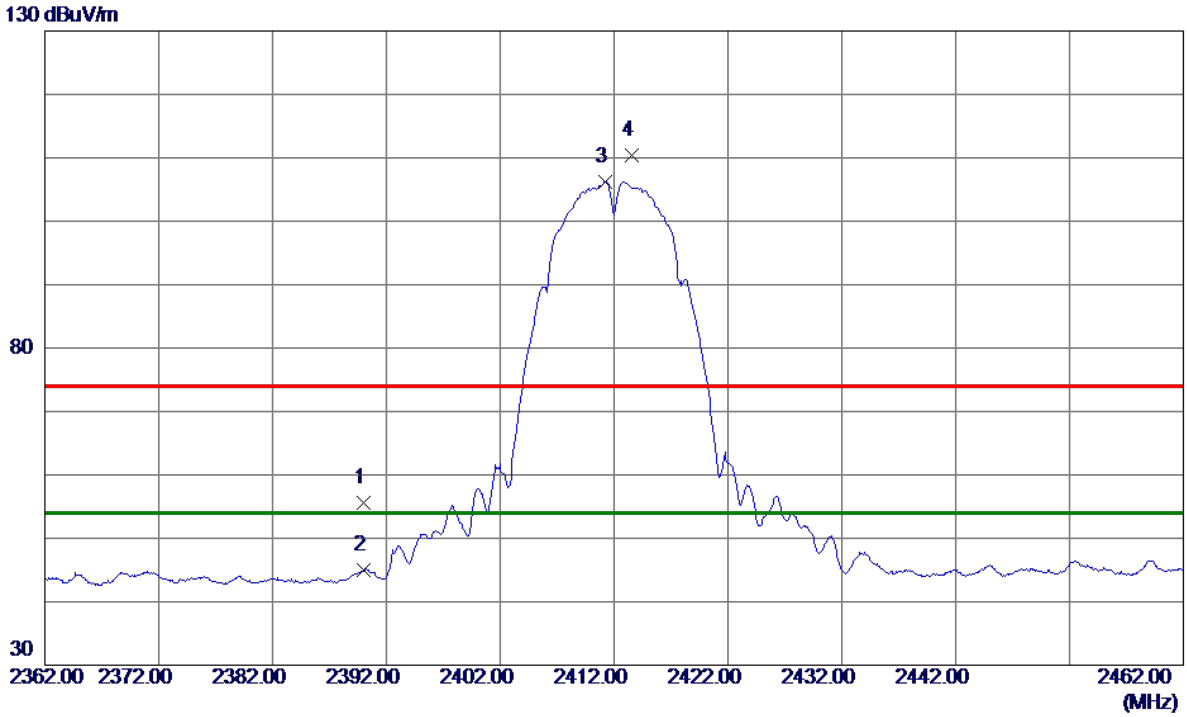
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	170.6500	41.33	-12.13	29.20	43.50	-14.30	Peak	
2	200.7200	42.92	-14.84	28.08	43.50	-15.42	Peak	
3	261.8299	40.73	-12.30	28.43	46.00	-17.57	Peak	
4	374.3500	43.03	-9.62	33.41	46.00	-12.59	Peak	
5 *	438.3700	48.09	-7.95	40.14	46.00	-5.86	Peak	
6	638.1900	33.77	-4.52	29.25	46.00	-16.75	Peak	

REMARKS:
(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	2390.0000	43.78	11.82	55.60	74.00	-18.40	Peak	
2	2390.0000	33.12	11.82	44.94	54.00	-9.06	AVG	
3 *	2411.2500	94.35	11.89	106.24	54.00	52.24	AVG	No Limit
4	2413.6000	98.60	11.89	110.49	74.00	36.49	Peak	No Limit

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

Test Mode:	TX B Mode 2412 MHz

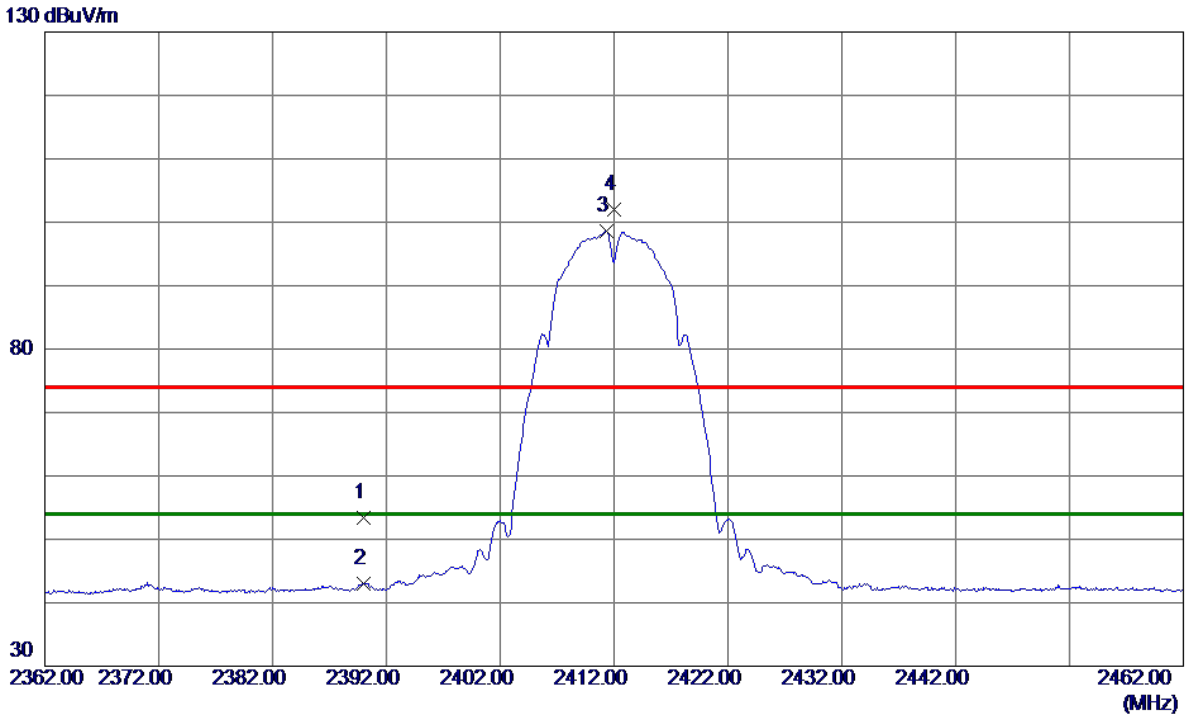
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.9950	40.85	4.45	45.30	54.00	-8.70	AVG	
2	4824.0970	45.19	4.45	49.64	74.00	-24.36	Peak	

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

Test Mode:	TX B 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	41.66	11.82	53.48	74.00	-20.52	Peak	
2	2390.0000	31.27	11.82	43.09	54.00	-10.91	AVG	
3 *	2411.3500	86.64	11.89	98.53	54.00	44.53	AVG	No Limit
4	2412.0000	90.11	11.89	102.00	74.00	28.00	Peak	No Limit

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

Test Mode:	TX B Mode 2412 MHz

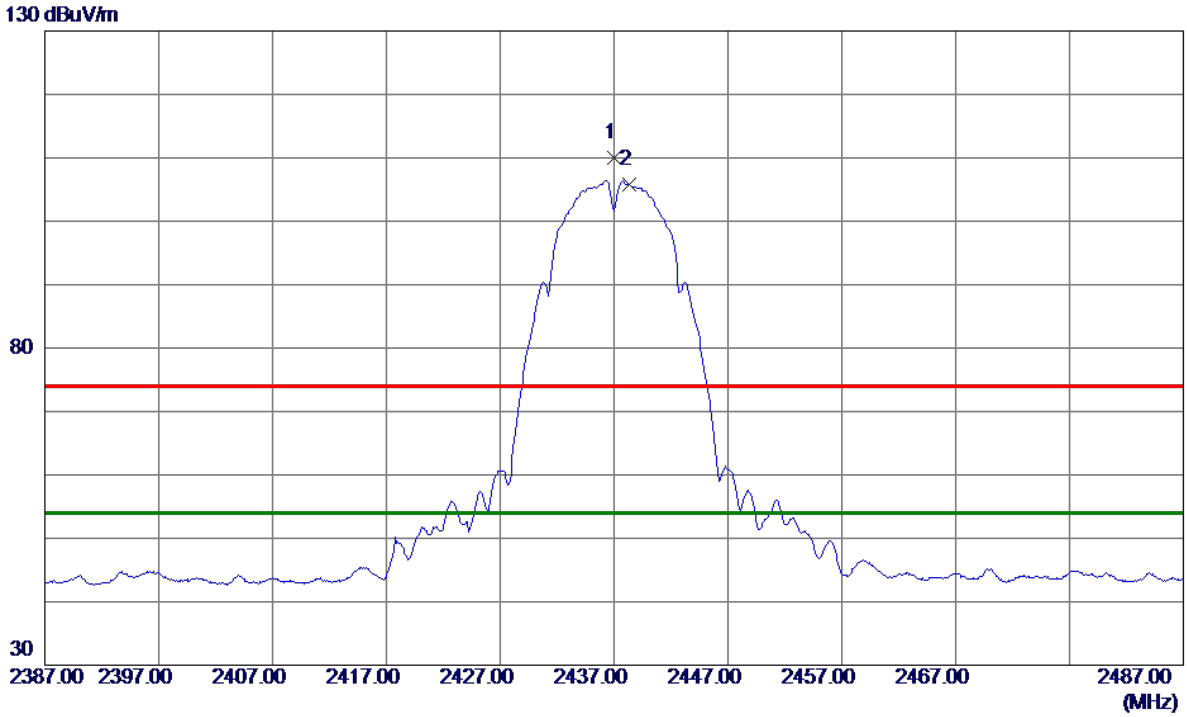
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.8070	40.11	4.45	44.56	74.00	-29.44	Peak	
2 *	4823.9930	31.93	4.45	36.38	54.00	-17.62	AVG	

REMARKS:
(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	2437.0000	97.99	11.97	109.96	74.00	35.96	Peak	No Limit
2 *	2438.3000	93.81	11.97	105.78	54.00	51.78	AVG	No Limit

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

Test Mode:	TX B Mode 2437 MHz

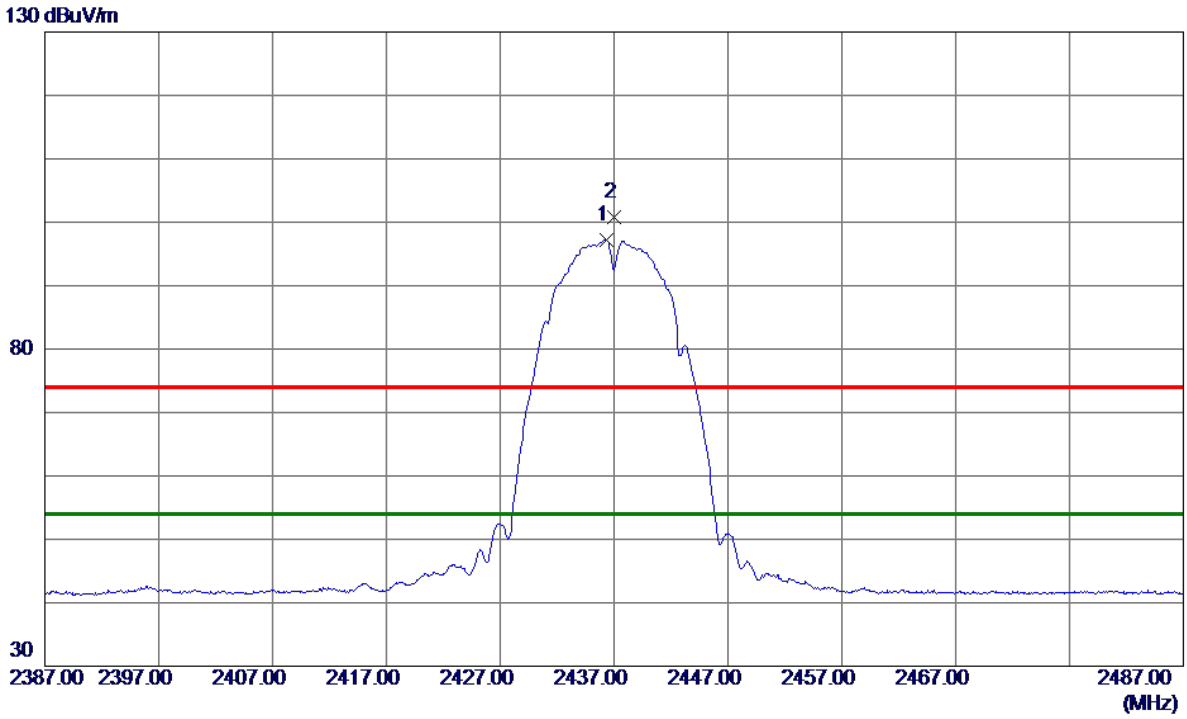
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.8000	42.93	4.58	47.51	74.00	-26.49	Peak	
2 *	4873.9830	36.55	4.58	41.13	54.00	-12.87	AVG	

REMARKS:
(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 *	2436.3000	85.26	11.97	97.23	54.00	43.23	AVG	No Limit
2	2436.9500	88.83	11.97	100.80	74.00	26.80	Peak	No Limit

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

Test Mode:	TX B Mode 2437 MHz

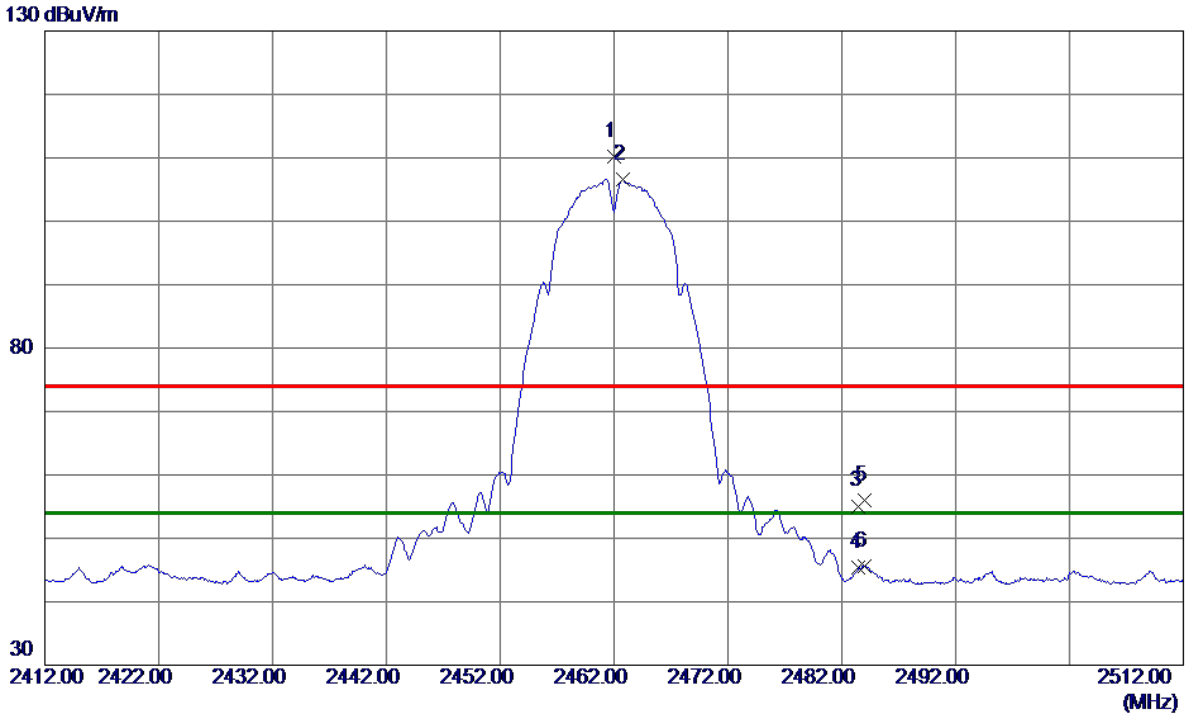
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4872.7330	41.23	4.58	45.81	74.00	-28.19	Peak	
2 *	4874.6100	32.17	4.59	36.76	54.00	-17.24	AVG	

REMARKS:
(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	2462.0500	98.16	12.05	110.21	74.00	36.21	Peak	No Limit
2 *	2462.7500	94.48	12.05	106.53	54.00	52.53	AVG	No Limit
3	2483.5000	42.98	12.12	55.10	74.00	-18.90	Peak	
4	2483.5000	33.20	12.12	45.32	54.00	-8.68	AVG	
5	2484.0500	43.95	12.12	56.07	74.00	-17.93	Peak	
6	2484.0500	33.55	12.12	45.67	54.00	-8.33	AVG	

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

Test Mode:	TX B Mode 2462 MHz

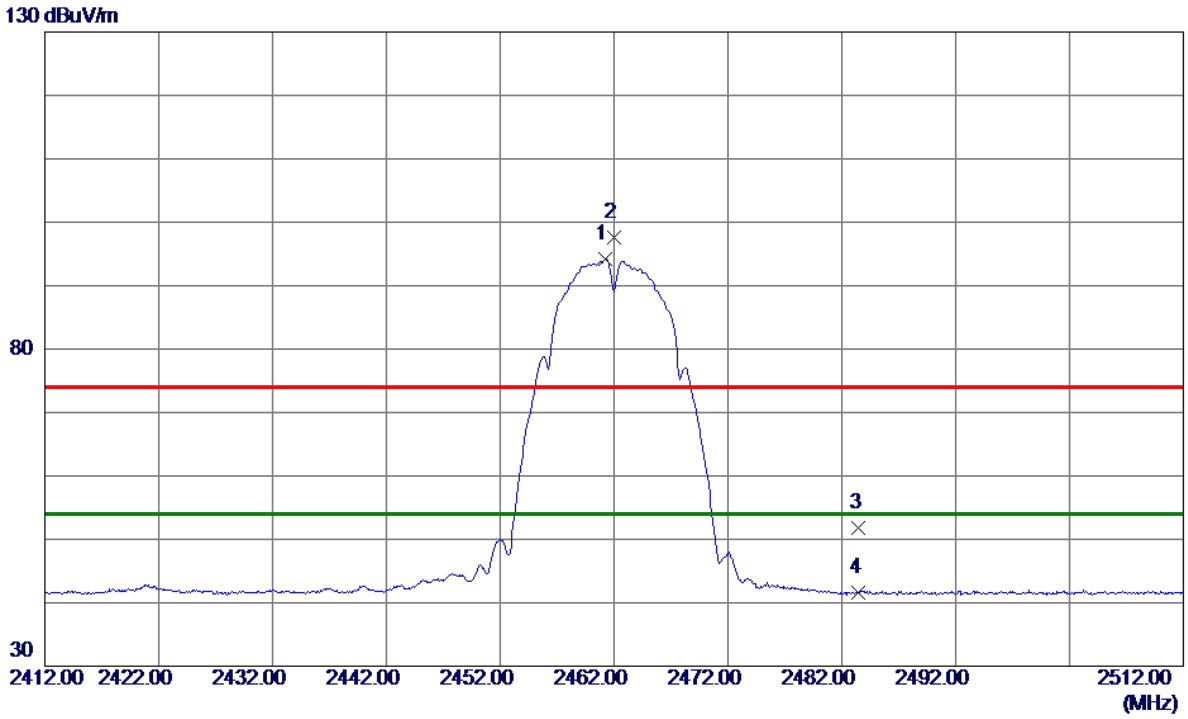
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923.9300	36.81	4.72	41.53	54.00	-12.47	AVG	
2	4924.0870	45.93	4.72	50.65	74.00	-23.35	Peak	

REMARKS:
(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 *	2461.2500	82.13	12.05	94.18	54.00	40.18	AVG	No Limit
2	2462.0000	85.59	12.05	97.64	74.00	23.64	Peak	No Limit
3	2483.5000	39.64	12.12	51.76	74.00	-22.24	Peak	
4	2483.5000	29.49	12.12	41.61	54.00	-12.39	AVG	

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

Test Mode:	TX B Mode 2462 MHz

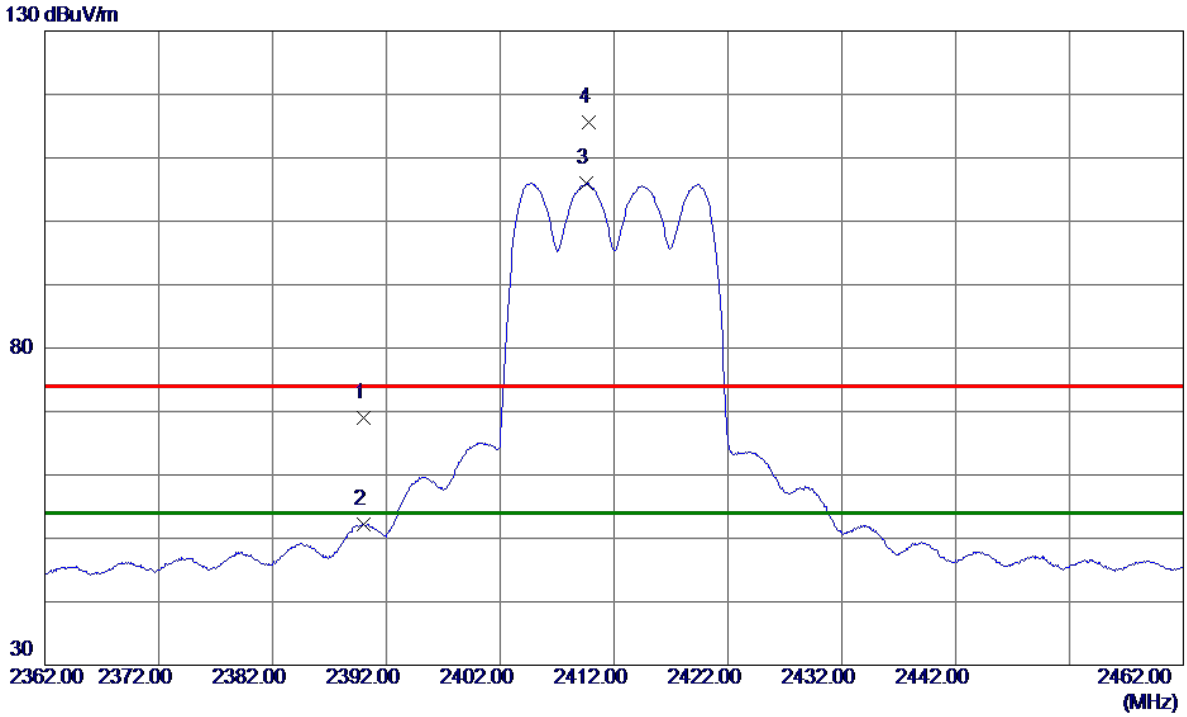
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.0800	41.10	4.72	45.82	74.00	-28.18	Peak	
2 *	4924.0830	31.61	4.72	36.33	54.00	-17.67	AVG	

REMARKS:
(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	57.13	11.82	68.95	74.00	-5.05	Peak	
2	2390.0000	40.32	11.82	52.14	54.00	-1.86	AVG	
3 *	2409.6000	94.16	11.88	106.04	54.00	52.04	AVG	No Limit
4	2409.7500	103.67	11.88	115.55	74.00	41.55	Peak	No Limit

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

Test Mode:	TX G Mode 2412 MHz

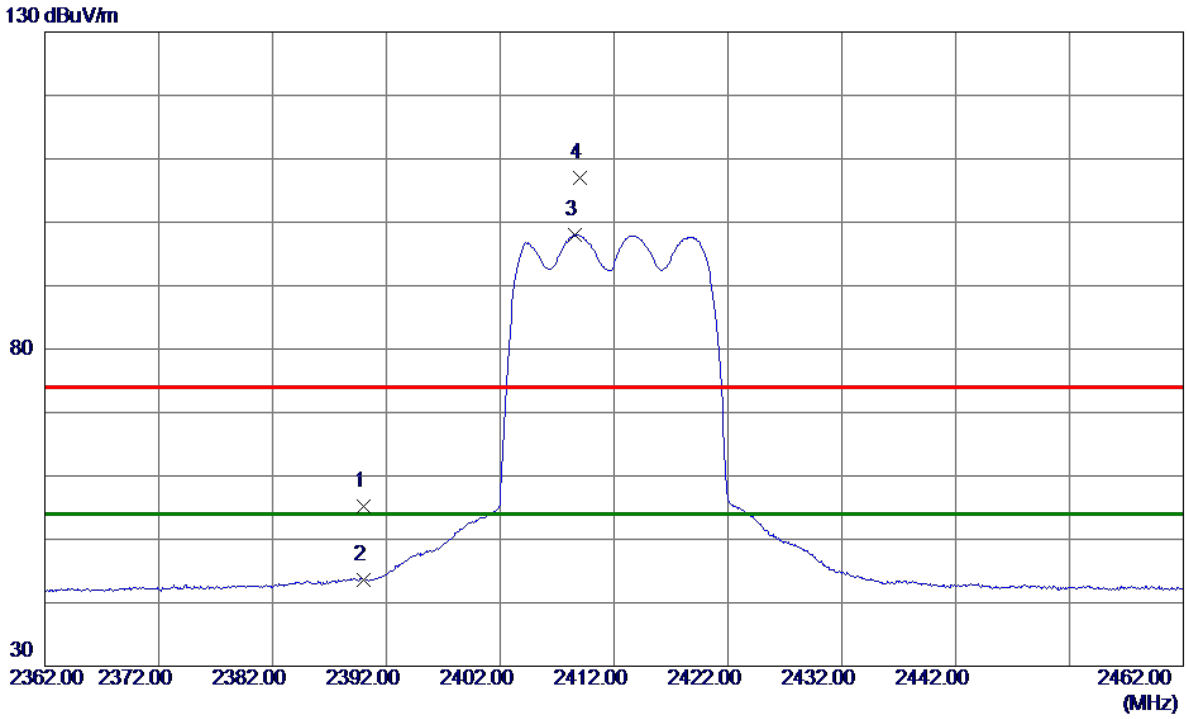
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.5400	50.25	4.45	54.70	74.00	-19.30	Peak	
2 *	4824.3200	40.43	4.45	44.88	54.00	-9.12	AVG	

REMARKS:
(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	43.43	11.82	55.25	74.00	-18.75	Peak	
2	2390.0000	31.83	11.82	43.65	54.00	-10.35	AVG	
3 *	2408.6000	86.13	11.88	98.01	54.00	44.01	AVG	No Limit
4	2409.0000	95.20	11.88	107.08	74.00	33.08	Peak	No Limit

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

Test Mode:	TX G Mode 2412 MHz

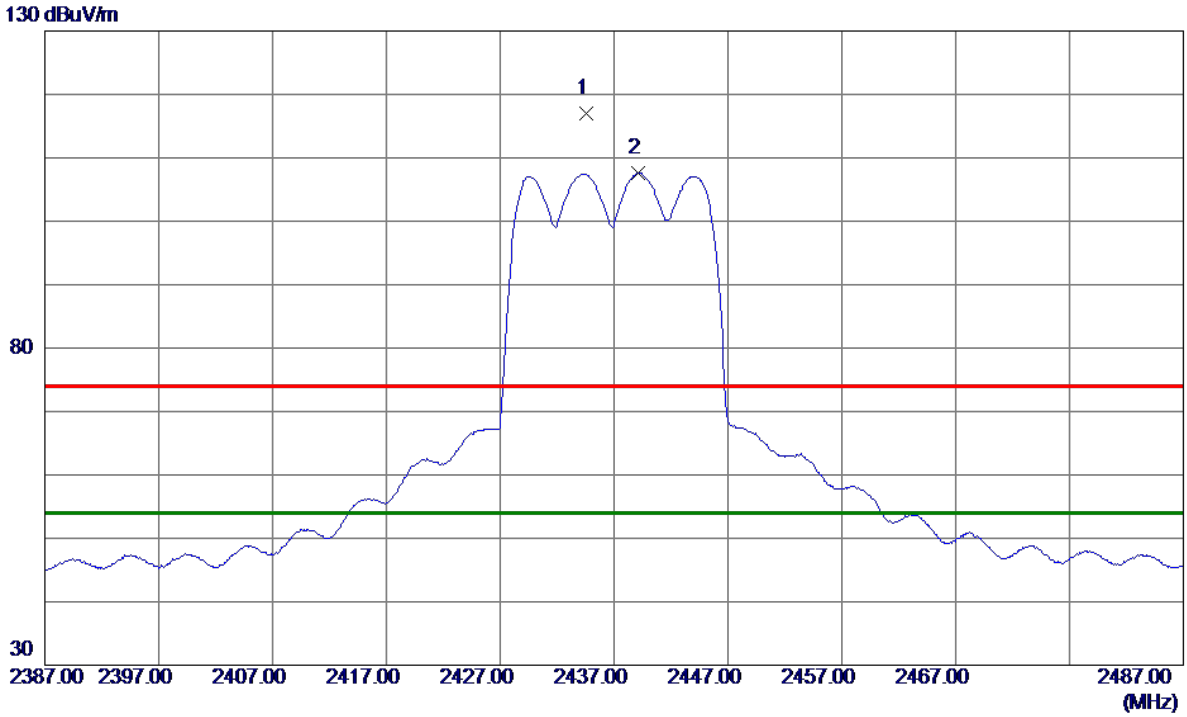
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.0400	41.03	4.45	45.48	74.00	-28.52	Peak	
2 *	4824.1900	31.29	4.45	35.74	54.00	-18.26	AVG	

REMARKS:
(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	2434.6000	104.97	11.96	116.93	74.00	42.93	Peak	No Limit
2 *	2439.1000	95.64	11.98	107.62	54.00	53.62	AVG	No Limit

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

Test Mode:	TX G Mode 2437 MHz

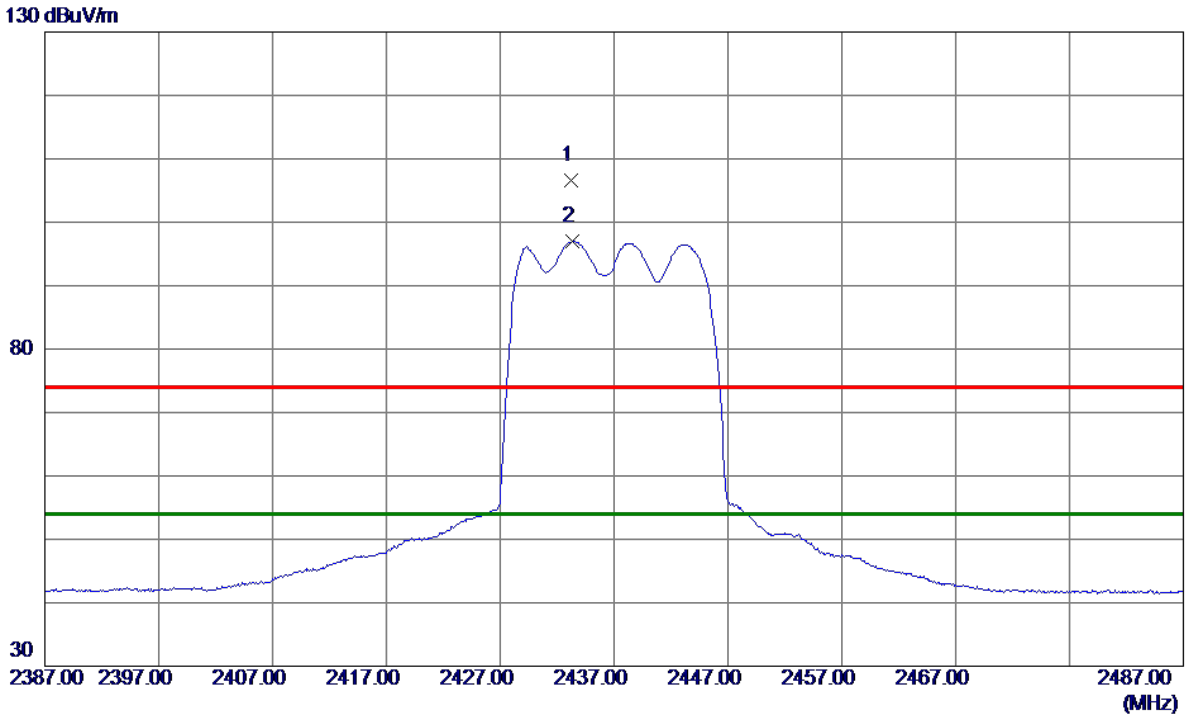
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.8200	46.44	4.58	51.02	74.00	-22.98	Peak	
2 *	4873.9800	37.36	4.58	41.94	54.00	-12.06	AVG	

REMARKS:
(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	2433.2000	94.56	11.96	106.52	74.00	32.52	Peak	No Limit
2 *	2433.3500	85.03	11.96	96.99	54.00	42.99	AVG	No Limit

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

Test Mode:	TX G Mode 2437 MHz

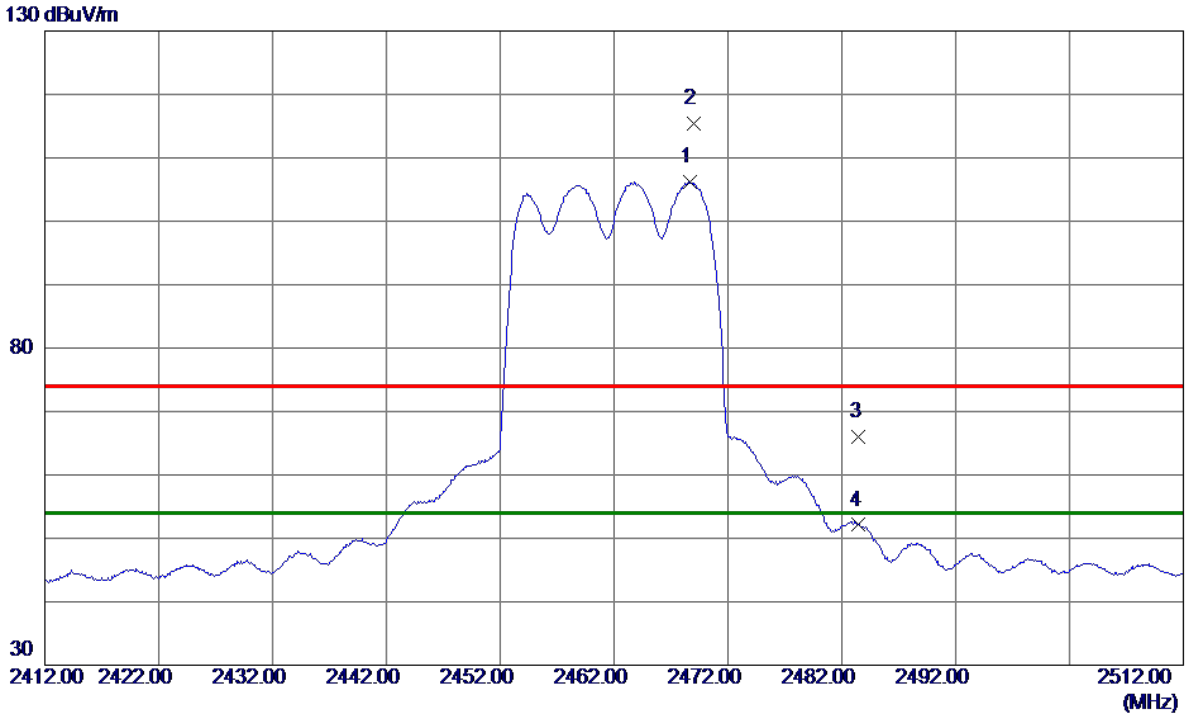
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.3800	33.34	4.58	37.92	54.00	-16.08	AVG	
2	4873.6700	42.78	4.58	47.36	74.00	-26.64	Peak	

REMARKS:
(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 *	2468.6500	94.14	12.07	106.21	54.00	52.21	AVG	No Limit
2	2469.0000	103.32	12.07	115.39	74.00	41.39	Peak	No Limit
3	2483.5000	53.80	12.12	65.92	74.00	-8.08	Peak	
4	2483.5000	39.98	12.12	52.10	54.00	-1.90	AVG	

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

Test Mode:	TX G Mode 2462 MHz

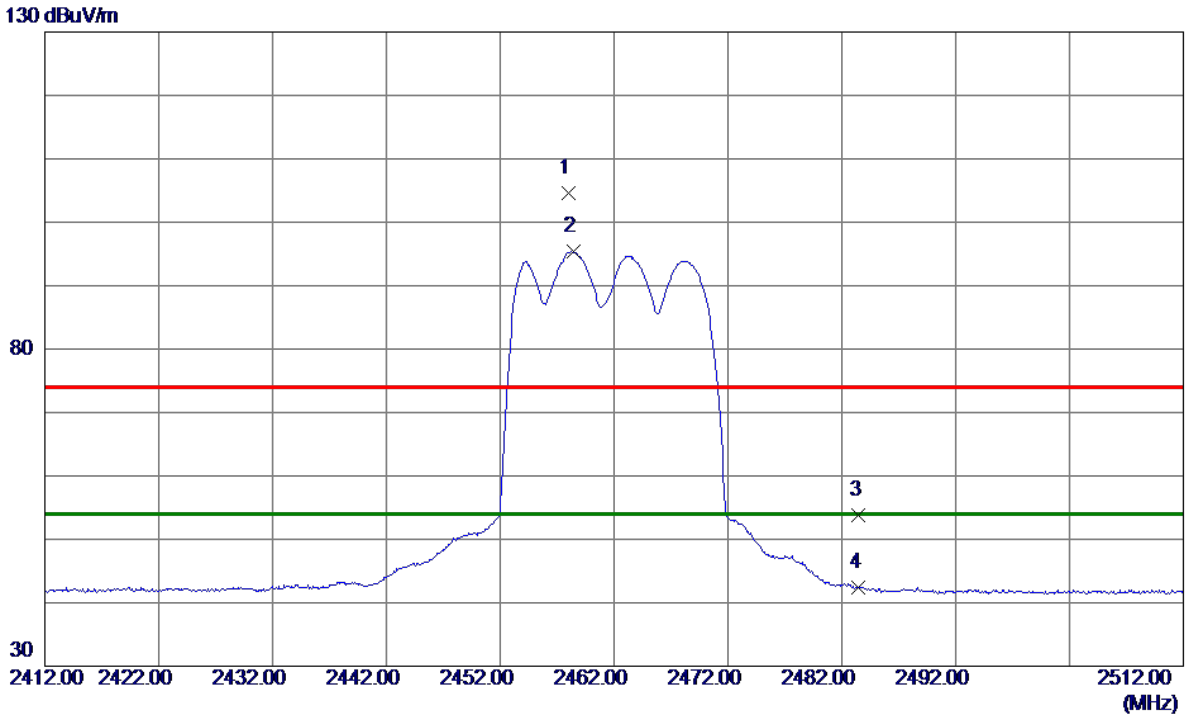
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923.4800	40.45	4.72	45.17	54.00	-8.83	AVG	
2	4923.7900	50.41	4.72	55.13	74.00	-18.87	Peak	

REMARKS:
(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	2458.0500	92.55	12.04	104.59	74.00	30.59	Peak	No Limit
2 *	2458.4500	83.37	12.04	95.41	54.00	41.41	AVG	No Limit
3	2483.5000	41.69	12.12	53.81	74.00	-20.19	Peak	
4	2483.5000	30.34	12.12	42.46	54.00	-11.54	AVG	

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

Test Mode:	TX G Mode 2462 MHz

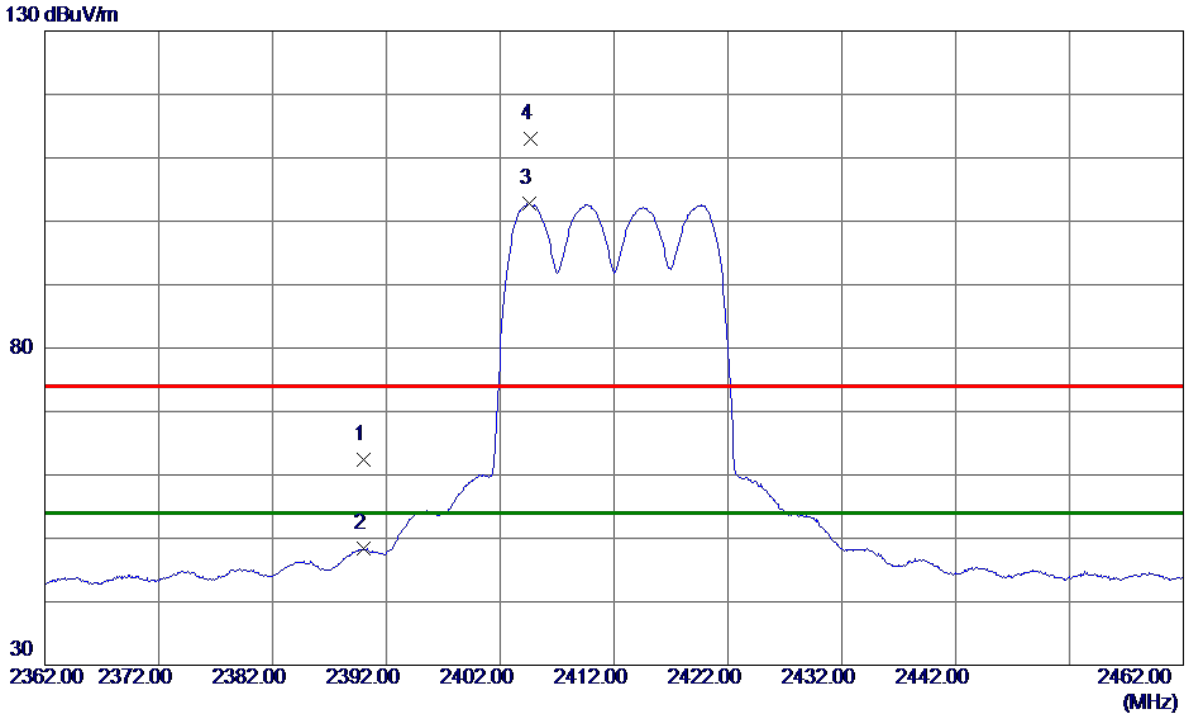
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4922.5400	33.16	4.71	37.87	54.00	-16.13	AVG	
2	4929.8700	42.16	4.73	46.89	74.00	-27.11	Peak	

REMARKS:
(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	50.63	11.82	62.45	74.00	-11.55	Peak	
2	2390.0000	36.49	11.82	48.31	54.00	-5.69	AVG	
3 *	2404.5500	90.98	11.86	102.84	54.00	48.84	AVG	No Limit
4	2404.6500	101.23	11.86	113.09	74.00	39.09	Peak	No Limit

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

Test Mode:	TX N-20M Mode 2412 MHz

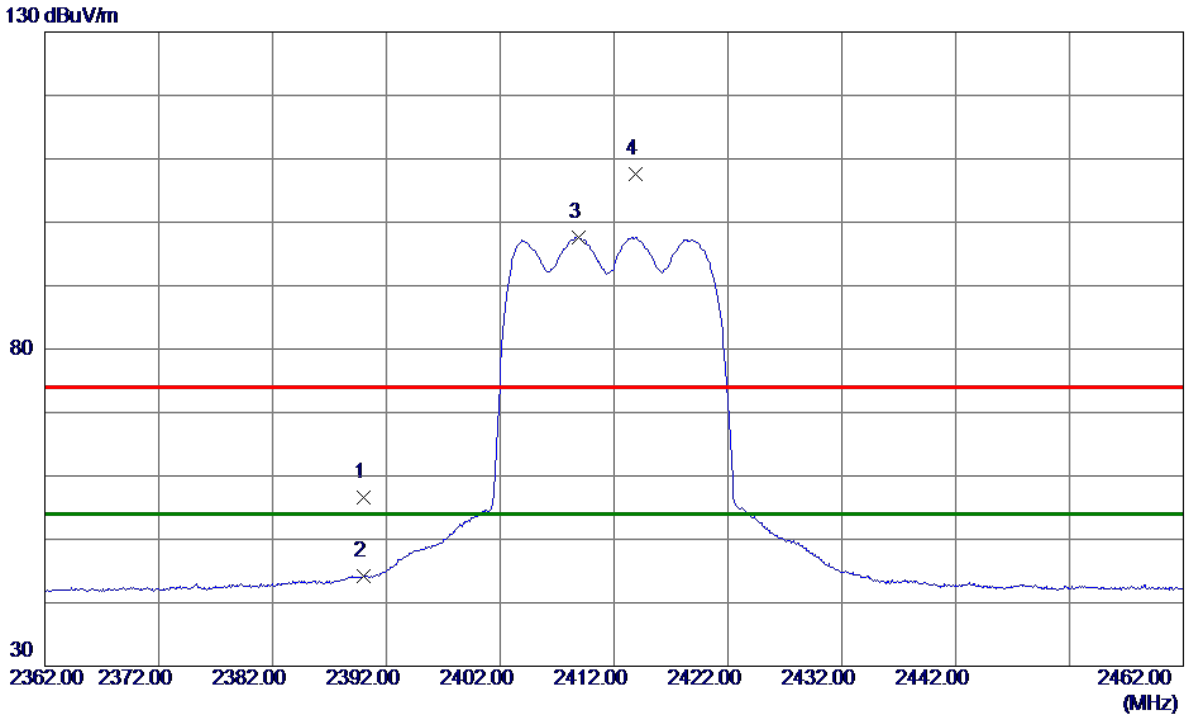
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4826.8600	33.38	4.46	37.84	54.00	-16.16	AVG	
2	4830.7000	44.27	4.47	48.74	74.00	-25.26	Peak	

REMARKS:
(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	44.69	11.82	56.51	74.00	-17.49	Peak	
2	2390.0000	32.33	11.82	44.15	54.00	-9.85	AVG	
3 *	2408.8500	85.76	11.88	97.64	54.00	43.64	AVG	No Limit
4	2413.8500	95.78	11.89	107.67	74.00	33.67	Peak	No Limit

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

Test Mode:	TX N-20M Mode 2412 MHz

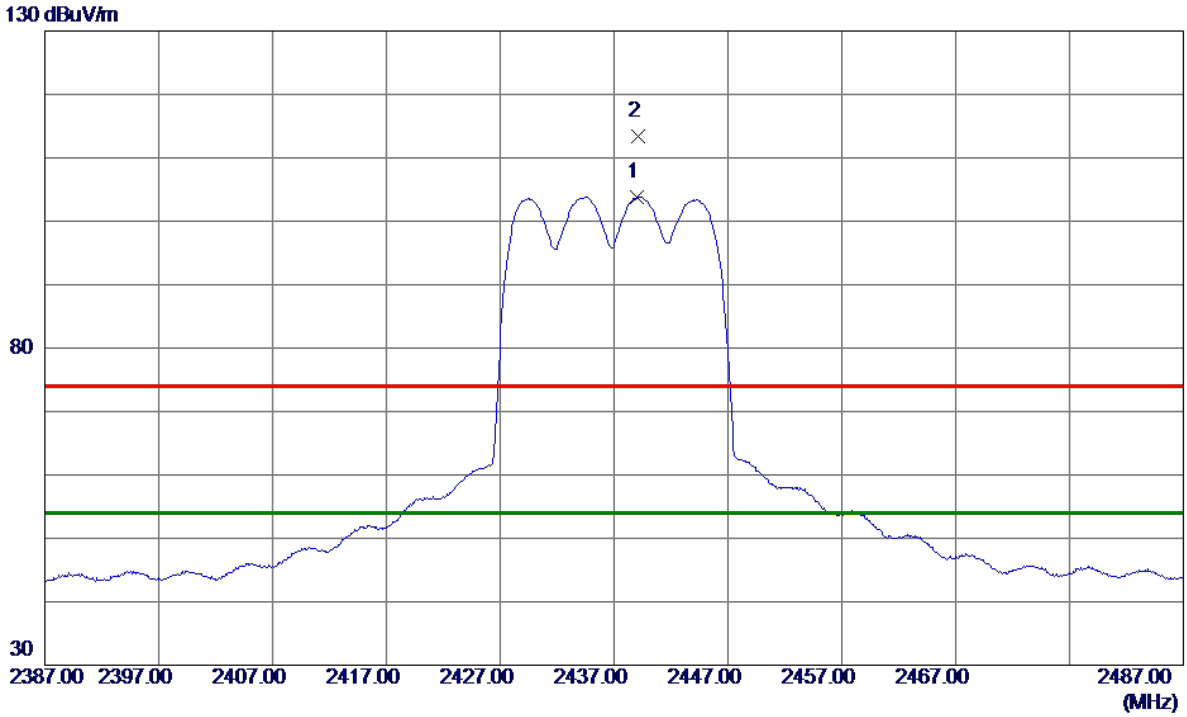
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.8300	41.97	4.45	46.42	74.00	-27.58	Peak	
2 *	4824.1000	31.22	4.45	35.67	54.00	-18.33	AVG	

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

Test Mode:	TX N-20M 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 *	2438.9500	91.89	11.97	103.86	54.00	49.86	AVG	No Limit
2	2439.1500	101.50	11.98	113.48	74.00	39.48	Peak	No Limit

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

Test Mode:	TX N-20M Mode 2437 MHz

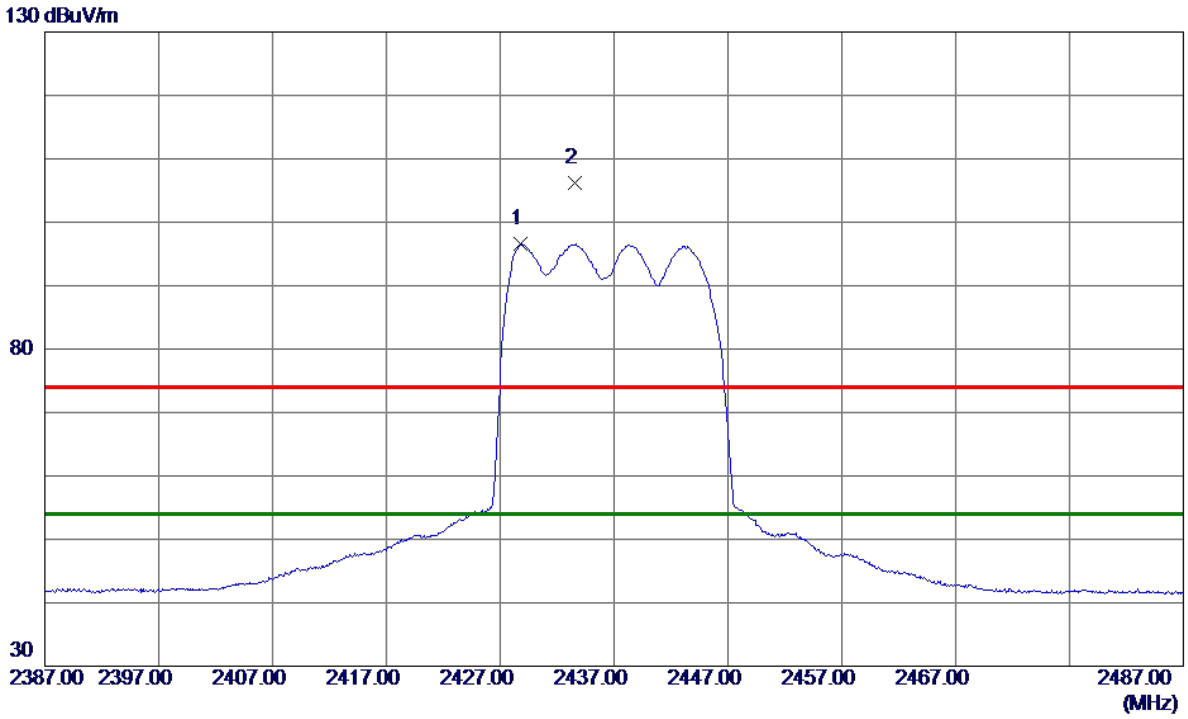
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4876.0500	45.38	4.59	49.97	74.00	-24.03	Peak	
2 *	4876.7100	35.51	4.59	40.10	54.00	-13.90	AVG	

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

Test Mode:	TX N-20M 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 *	2428.8000	84.64	11.94	96.58	54.00	42.58	AVG	No Limit
2	2433.5500	94.23	11.96	106.19	74.00	32.19	Peak	No Limit

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

Test Mode:	TX N-20M Mode 2437 MHz

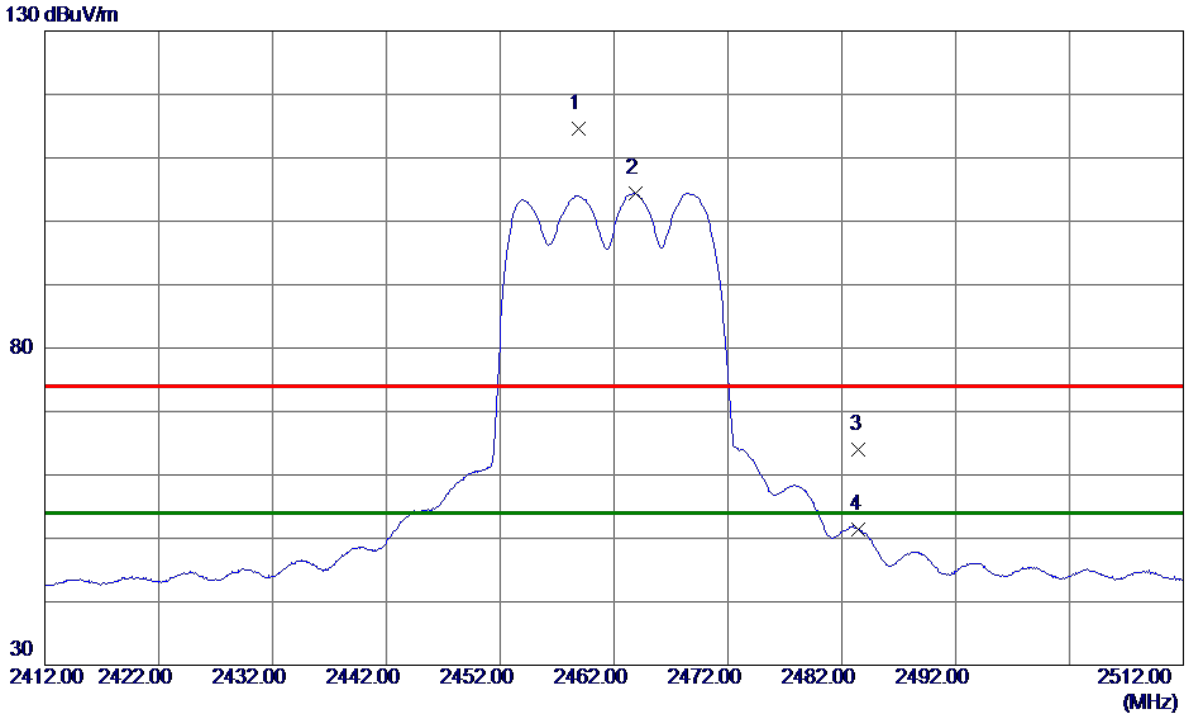
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.3200	32.83	4.58	37.41	54.00	-16.59	AVG	
2	4873.4200	43.55	4.58	48.13	74.00	-25.87	Peak	

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

Test Mode:	TX N-20M 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	2458.8500	102.61	12.04	114.65	74.00	40.65	Peak	No Limit
2 *	2463.9000	92.33	12.05	104.38	54.00	50.38	AVG	No Limit
3	2483.5000	51.96	12.12	64.08	74.00	-9.92	Peak	
4	2483.5000	39.28	12.12	51.40	54.00	-2.60	AVG	

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

Test Mode:	TX N-20M Mode 2462 MHz

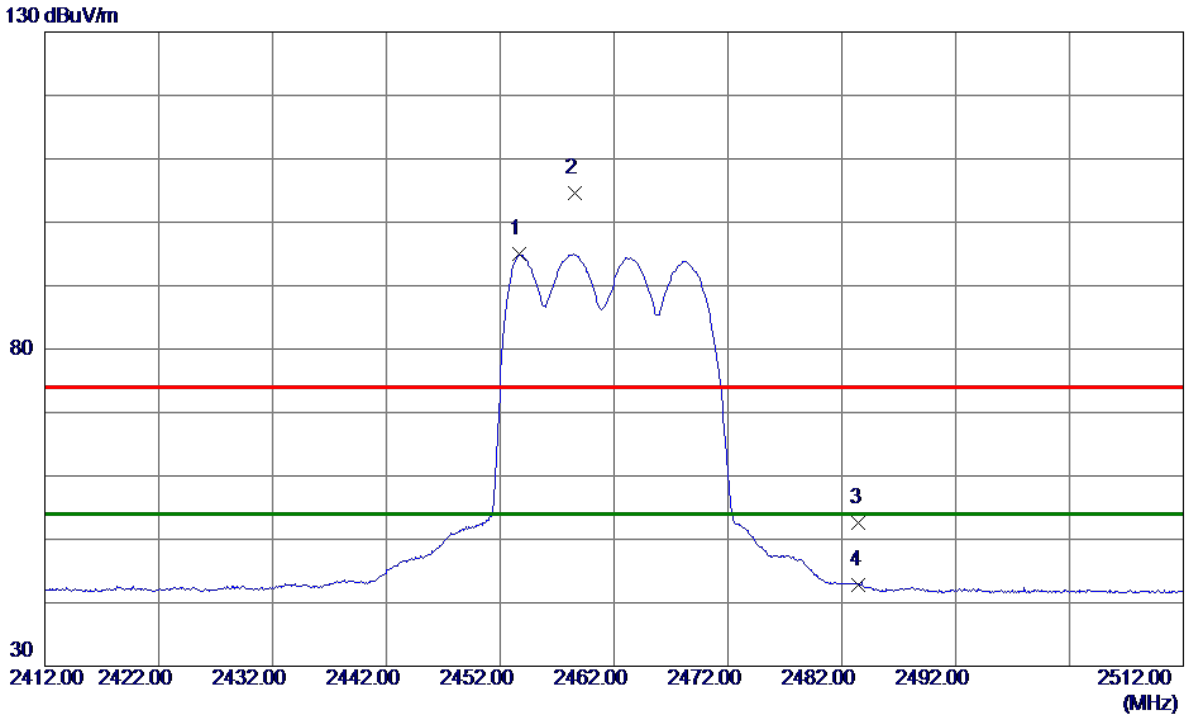
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4921.3200	38.00	4.71	42.71	54.00	-11.29	AVG	
2	4925.9500	48.01	4.72	52.73	74.00	-21.27	Peak	

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

Test Mode:	TX N-20M 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 *	2453.6500	82.89	12.02	94.91	54.00	40.91	AVG	No Limit
2	2458.5500	92.51	12.04	104.55	74.00	30.55	Peak	No Limit
3	2483.5000	40.43	12.12	52.55	74.00	-21.45	Peak	
4	2483.5000	30.60	12.12	42.72	54.00	-11.28	AVG	

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

Test Mode:	TX N-20M Mode 2462 MHz

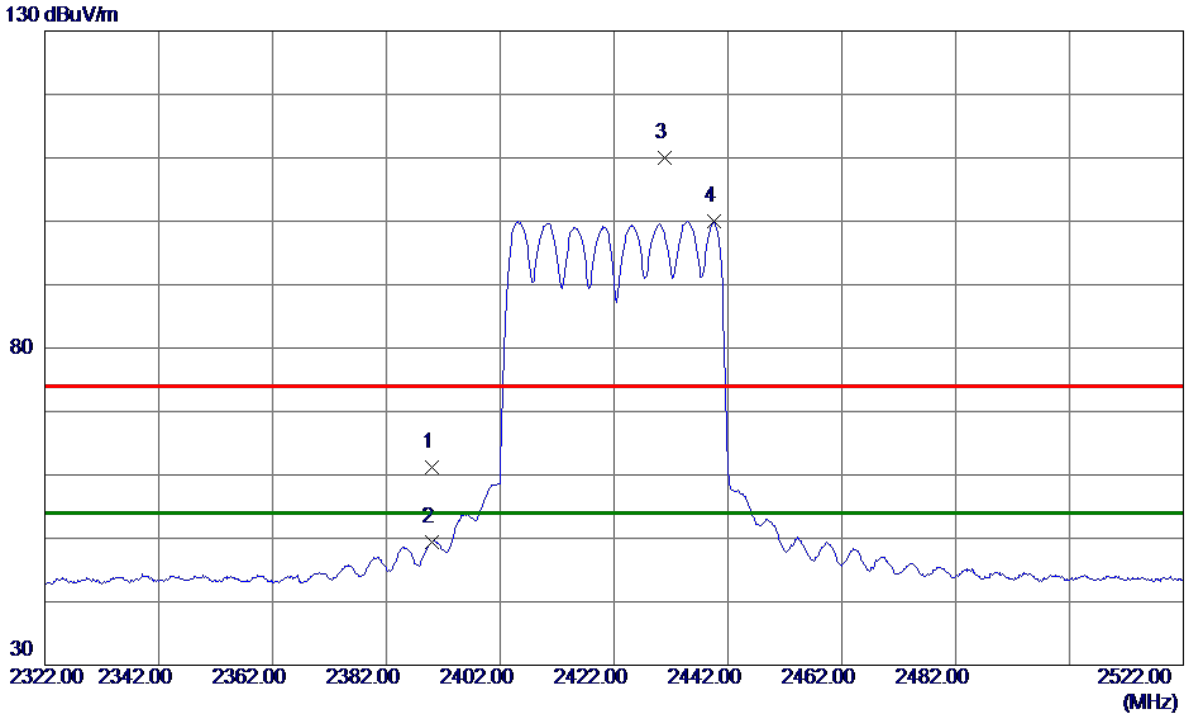
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923.1100	32.84	4.71	37.55	54.00	-16.45	AVG	
2	4923.9800	42.79	4.72	47.51	74.00	-26.49	Peak	

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

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	49.33	11.82	61.15	74.00	-12.85	Peak	
2	2390.0000	37.50	11.82	49.32	54.00	-4.68	AVG	
3	2430.8000	98.03	11.95	109.98	74.00	35.98	Peak	No Limit
4 *	2439.5000	88.00	11.98	99.98	54.00	45.98	AVG	No Limit

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

Test Mode:	TX N-40M Mode 2422MHz

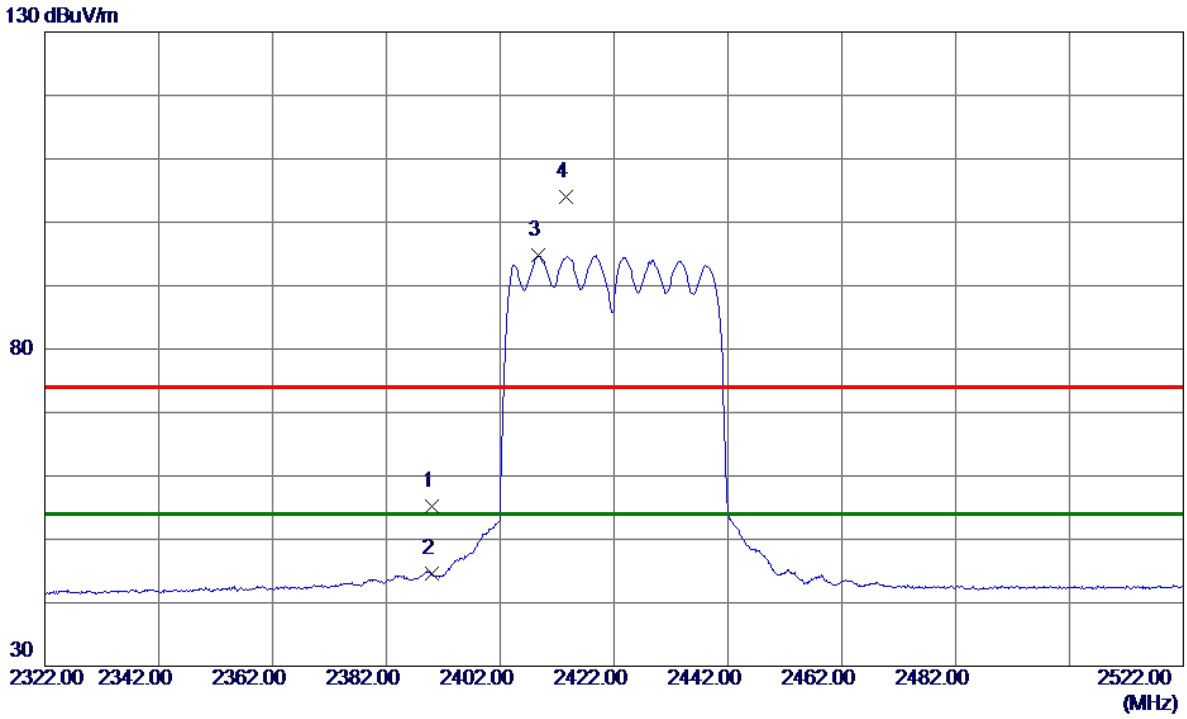
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4842.8500	33.05	4.50	37.55	54.00	-16.45	AVG	
2	4843.0750	43.51	4.50	48.01	74.00	-25.99	Peak	

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

Test Mode:	TX N-40M Mode 2422MHz

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	43.36	11.82	55.18	74.00	-18.82	Peak	
2	2390.0000	32.81	11.82	44.63	54.00	-9.37	AVG	
3 *	2408.7000	82.85	11.88	94.73	54.00	40.73	AVG	No Limit
4	2413.5000	92.07	11.89	103.96	74.00	29.96	Peak	No Limit

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

Test Mode:	TX N-40M Mode 2422MHz

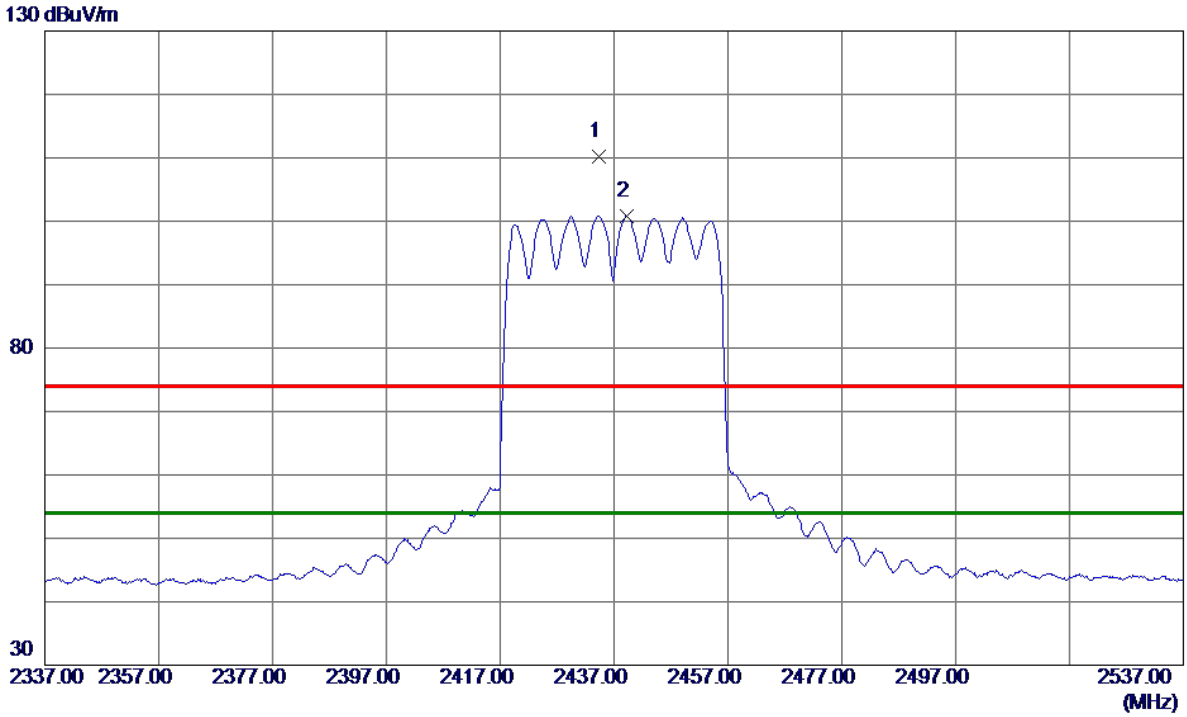
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4842.8750	40.22	4.50	44.72	74.00	-29.28	Peak	
2 *	4844.0250	30.53	4.50	35.03	54.00	-18.97	AVG	

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

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	2434.3000	98.26	11.96	110.22	74.00	36.22	Peak	No Limit
2 *	2439.2000	88.87	11.98	100.85	54.00	46.85	AVG	No Limit

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

Test Mode:	TX N-40M Mode 2437 MHz

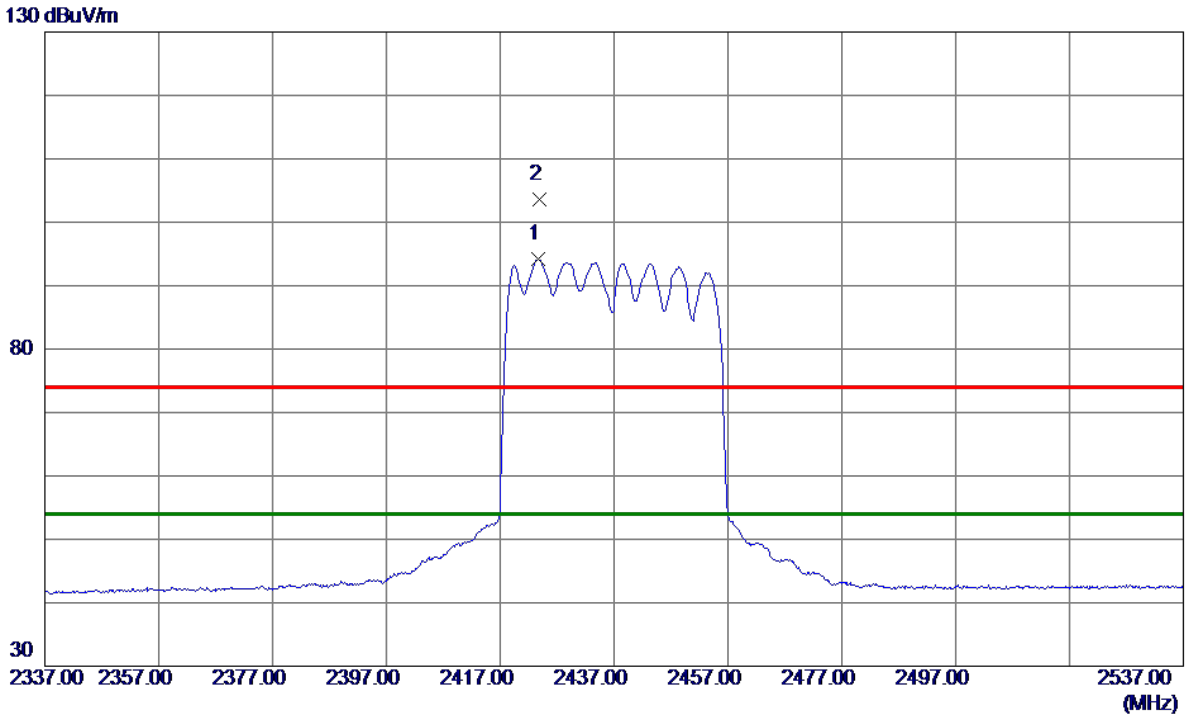
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4872.9500	33.76	4.58	38.34	54.00	-15.66	AVG	
2	4882.6000	43.79	4.61	48.40	74.00	-25.60	Peak	

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

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 *	2423.7000	82.33	11.93	94.26	54.00	40.26	AVG	No Limit
2	2423.8000	91.69	11.93	103.62	74.00	29.62	Peak	No Limit

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

Test Mode:	TX N-40M Mode 2437 MHz

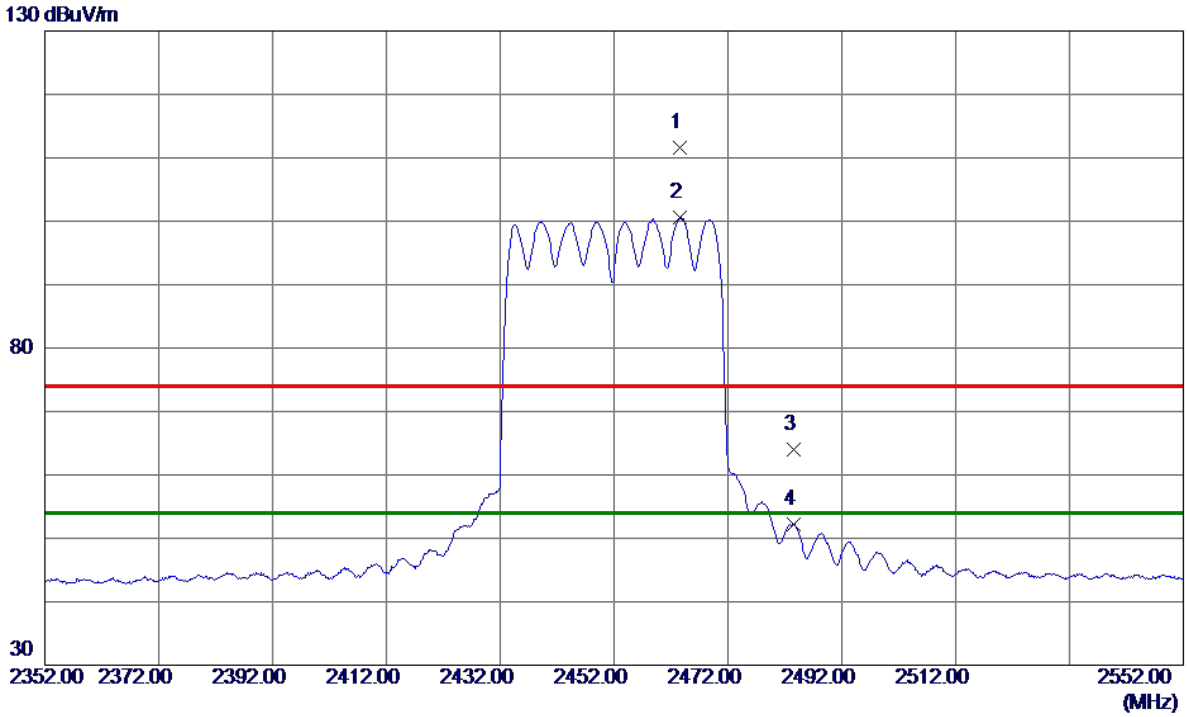
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.1750	41.14	4.58	45.72	74.00	-28.28	Peak	
2 *	4873.4250	31.22	4.58	35.80	54.00	-18.20	AVG	

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

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	2463.6000	99.55	12.05	111.60	74.00	37.60	Peak	No Limit
2 *	2463.6000	88.64	12.05	100.69	54.00	46.69	AVG	No Limit
3	2483.5000	51.90	12.12	64.02	74.00	-9.98	Peak	
4	2483.5000	39.99	12.12	52.11	54.00	-1.89	AVG	

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

Test Mode:	TX N-40M Mode 2452 MHz

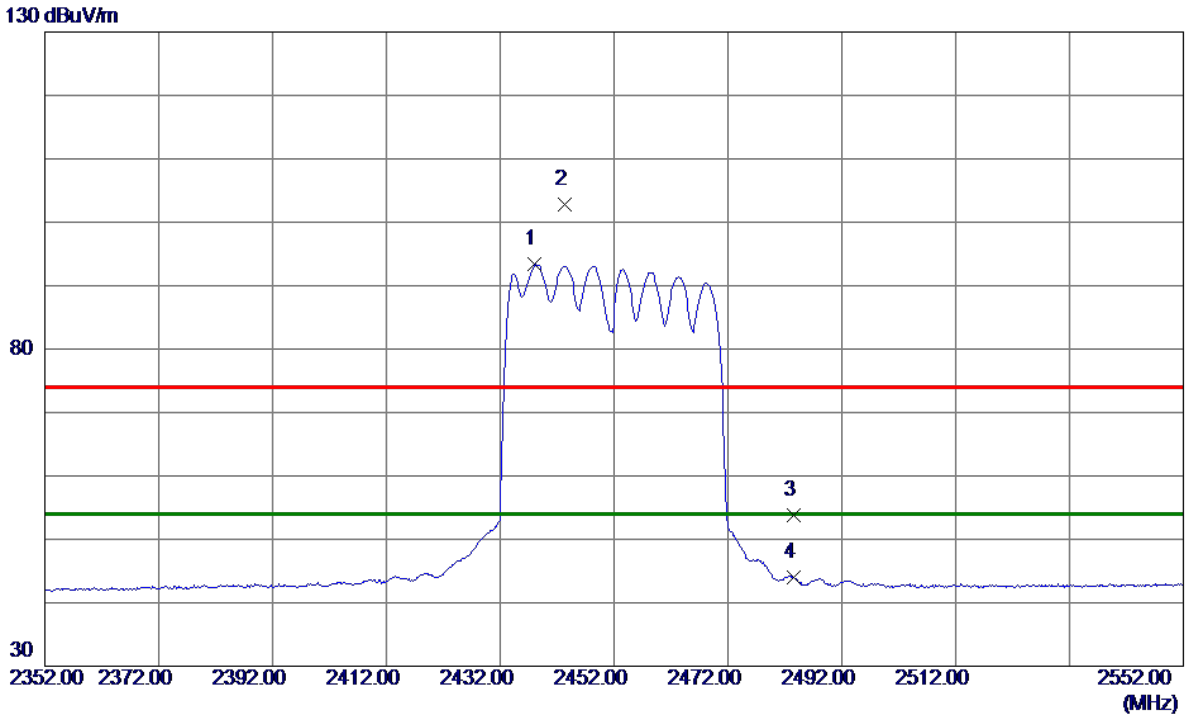
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4901.6750	35.01	4.66	39.67	54.00	-14.33	AVG	
2	4905.0250	44.31	4.67	48.98	74.00	-25.02	Peak	

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

Test Mode:	TX N-40M Mode 2452 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2438.1000	81.35	11.97	93.32	54.00	39.32	AVG	No Limit
2	2443.3000	90.72	11.99	102.71	74.00	28.71	Peak	No Limit
3	2483.5000	41.59	12.12	53.71	74.00	-20.29	Peak	
4	2483.5000	31.92	12.12	44.04	54.00	-9.96	AVG	

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

Test Mode:	TX N-40M Mode 2452 MHz

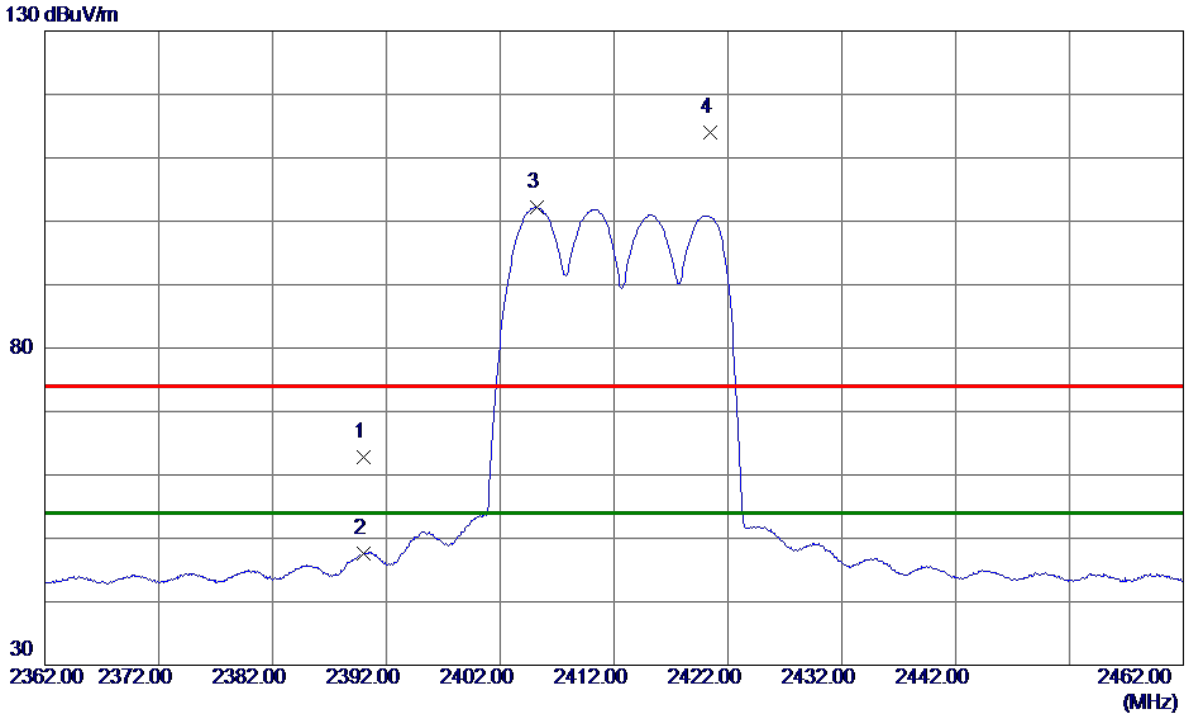
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4900.9250	40.88	4.66	45.54	74.00	-28.46	Peak	
2 *	4903.0500	31.46	4.66	36.12	54.00	-17.88	AVG	

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

Test Mode:	TX AX-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	51.03	11.82	62.85	74.00	-11.15	Peak	
2	2390.0000	35.81	11.82	47.63	54.00	-6.37	AVG	
3 *	2405.2000	90.31	11.87	102.18	54.00	48.18	AVG	No Limit
4	2420.4000	102.02	11.92	113.94	74.00	39.94	Peak	No Limit

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

Test Mode:	TX AX-20M Mode 2412 MHz

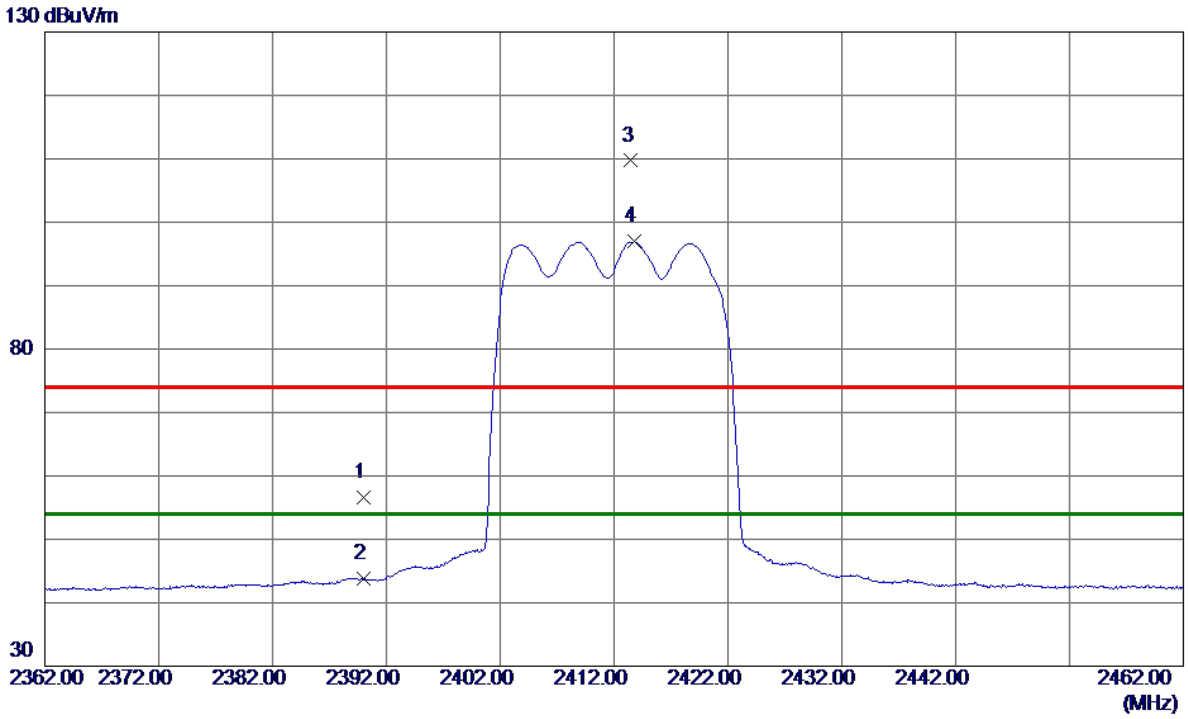
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4820.1100	44.98	4.44	49.42	74.00	-24.58	Peak	
2 *	4824.9500	33.82	4.45	38.27	54.00	-15.73	AVG	

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

Test Mode:	TX AX-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	44.83	11.82	56.65	74.00	-17.35	Peak	
2	2390.0000	31.92	11.82	43.74	54.00	-10.26	AVG	
3	2413.5000	97.81	11.89	109.70	74.00	35.70	Peak	No Limit
4 *	2413.7500	85.03	11.89	96.92	54.00	42.92	AVG	No Limit

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

Test Mode:	TX AX-20M Mode 2412 MHz

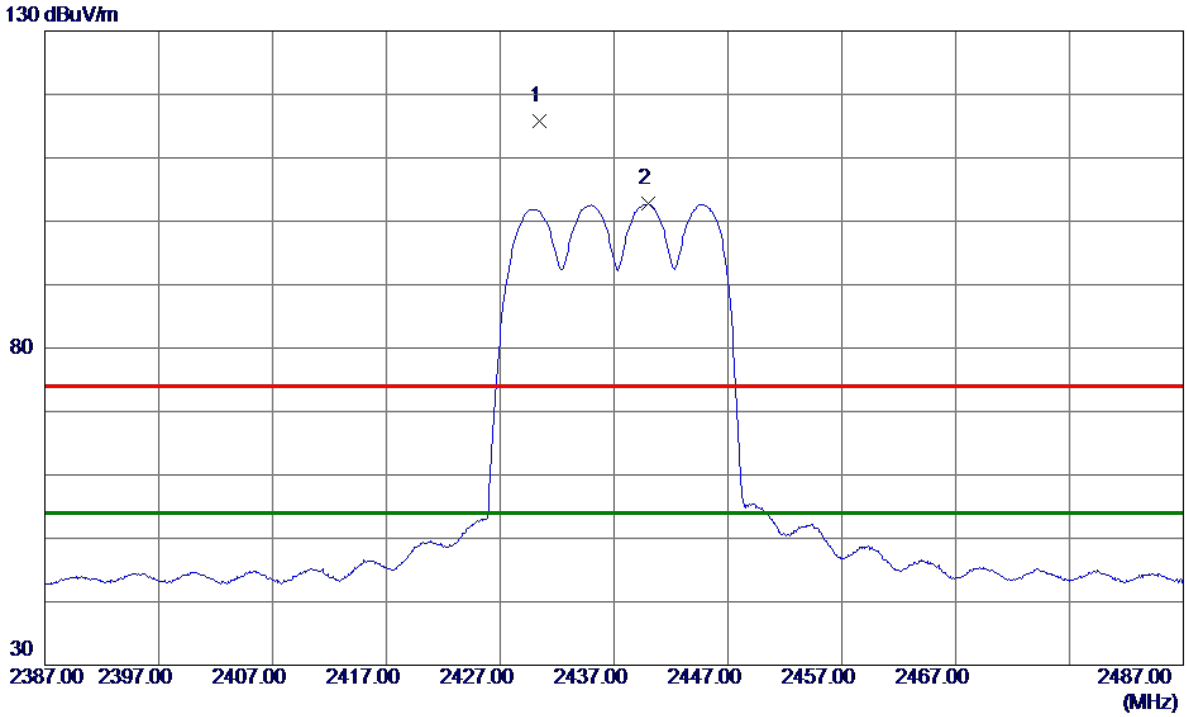
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.8800	31.10	4.45	35.55	54.00	-18.45	AVG	
2	4824.4200	40.72	4.45	45.17	74.00	-28.83	Peak	

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

Test Mode:	TX AX-20M 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	2430.4500	103.91	11.95	115.86	74.00	41.86	Peak	No Limit
2 *	2439.9500	90.86	11.98	102.84	54.00	48.84	AVG	No Limit

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

Test Mode:	TX AX-20M Mode 2437 MHz

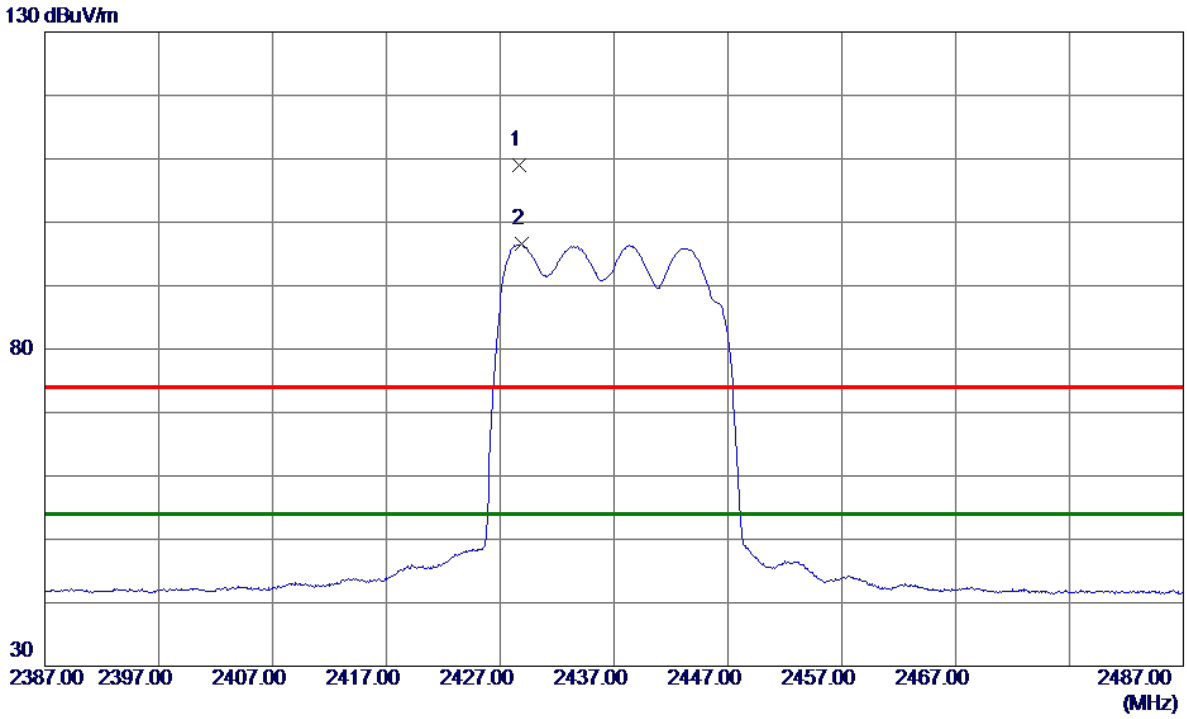
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4876.4600	46.55	4.59	51.14	74.00	-22.86	Peak	
2 *	4876.6900	35.50	4.59	40.09	54.00	-13.91	AVG	

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

Test Mode:	TX AX-20M 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	2428.6500	97.01	11.94	108.95	74.00	34.95	Peak	No Limit
2 *	2428.8500	84.60	11.94	96.54	54.00	42.54	AVG	No Limit

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

Test Mode:	TX AX-20M Mode 2437 MHz

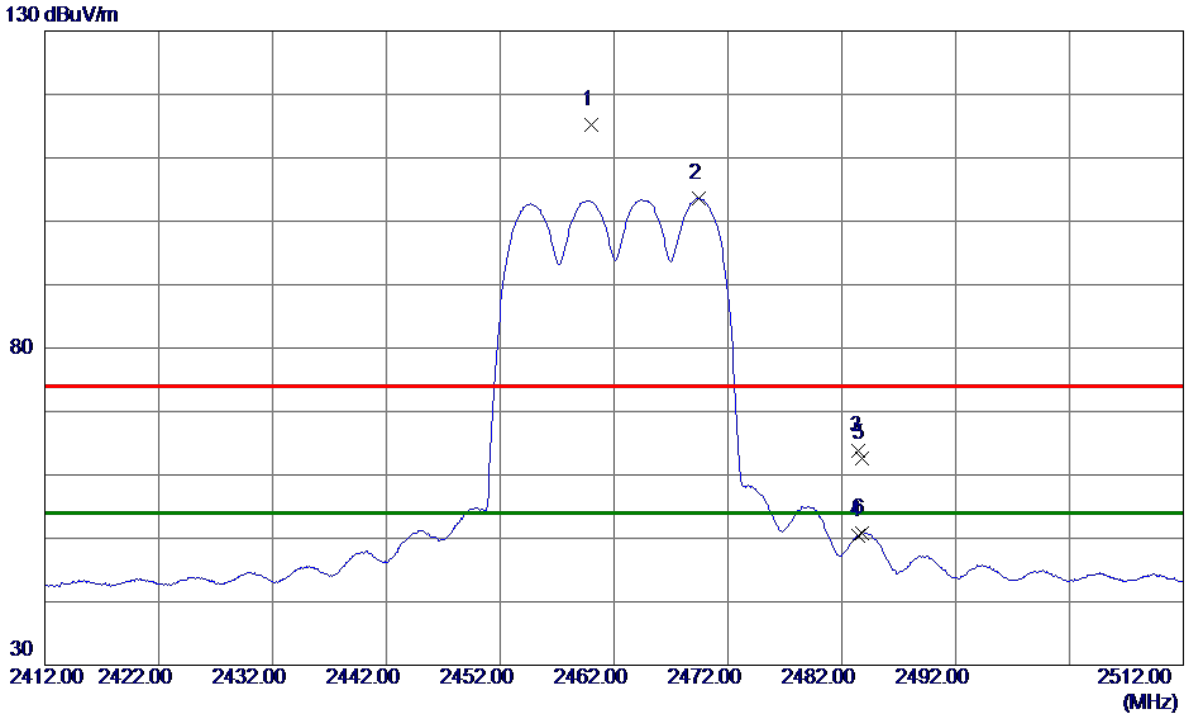
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.3800	33.10	4.58	37.68	54.00	-16.32	AVG	
2	4873.8900	42.63	4.58	47.21	74.00	-26.79	Peak	

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

Test Mode:	TX AX-20M 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	2459.9500	103.15	12.04	115.19	74.00	41.19	Peak	No Limit
2 *	2469.4500	91.53	12.07	103.60	54.00	49.60	AVG	No Limit
3	2483.5000	51.61	12.12	63.73	74.00	-10.27	Peak	
4	2483.5000	38.24	12.12	50.36	54.00	-3.64	AVG	
5	2483.7500	50.56	12.12	62.68	74.00	-11.32	Peak	
6	2483.7500	38.67	12.12	50.79	54.00	-3.21	AVG	

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

Test Mode:	TX AX-20M Mode 2462 MHz

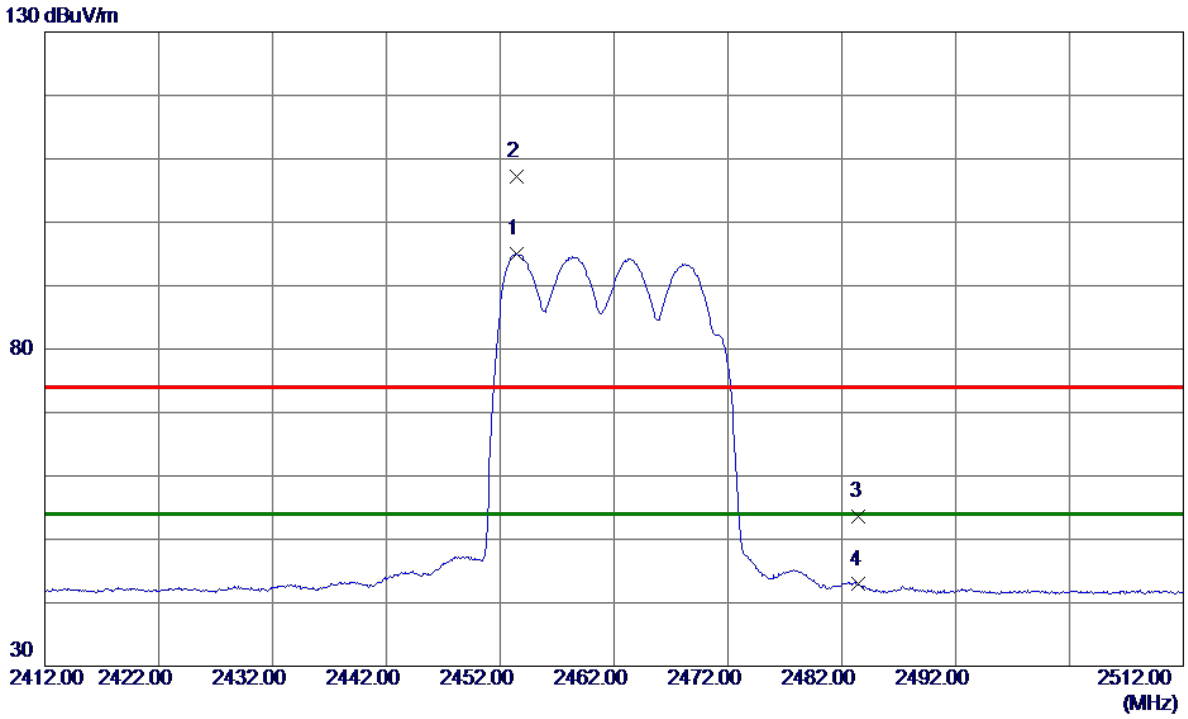
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4921.5299	36.81	4.71	41.52	54.00	-12.48	AVG	
2	4925.9400	46.93	4.72	51.65	74.00	-22.35	Peak	

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

Test Mode:	TX AX-20M 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 *	2453.4000	83.07	12.02	95.09	54.00	41.09	AVG	No Limit
2	2453.4500	95.24	12.02	107.26	74.00	33.26	Peak	No Limit
3	2483.5000	41.41	12.12	53.53	74.00	-20.47	Peak	
4	2483.5000	30.78	12.12	42.90	54.00	-11.10	AVG	

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

Test Mode:	TX AX-20M Mode 2462 MHz

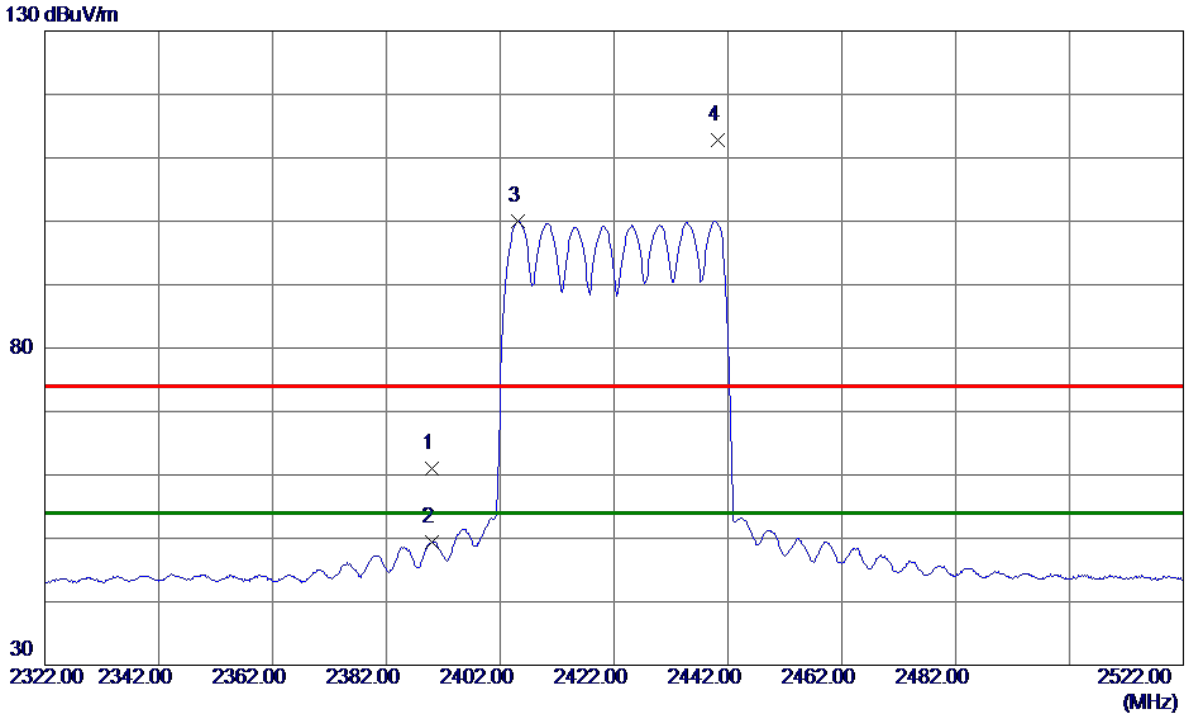
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4918.9100	43.04	4.70	47.74	74.00	-26.26	Peak	
2 *	4923.0800	32.92	4.71	37.63	54.00	-16.37	AVG	

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

Test Mode:	TX AX-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	49.18	11.82	61.00	74.00	-13.00	Peak	
2	2390.0000	37.49	11.82	49.31	54.00	-4.69	AVG	
3 *	2405.2000	88.10	11.87	99.97	54.00	45.97	AVG	No Limit
4	2440.3000	100.73	11.98	112.71	74.00	38.71	Peak	No Limit

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

Test Mode:	TX AX-40M Mode 2422MHz

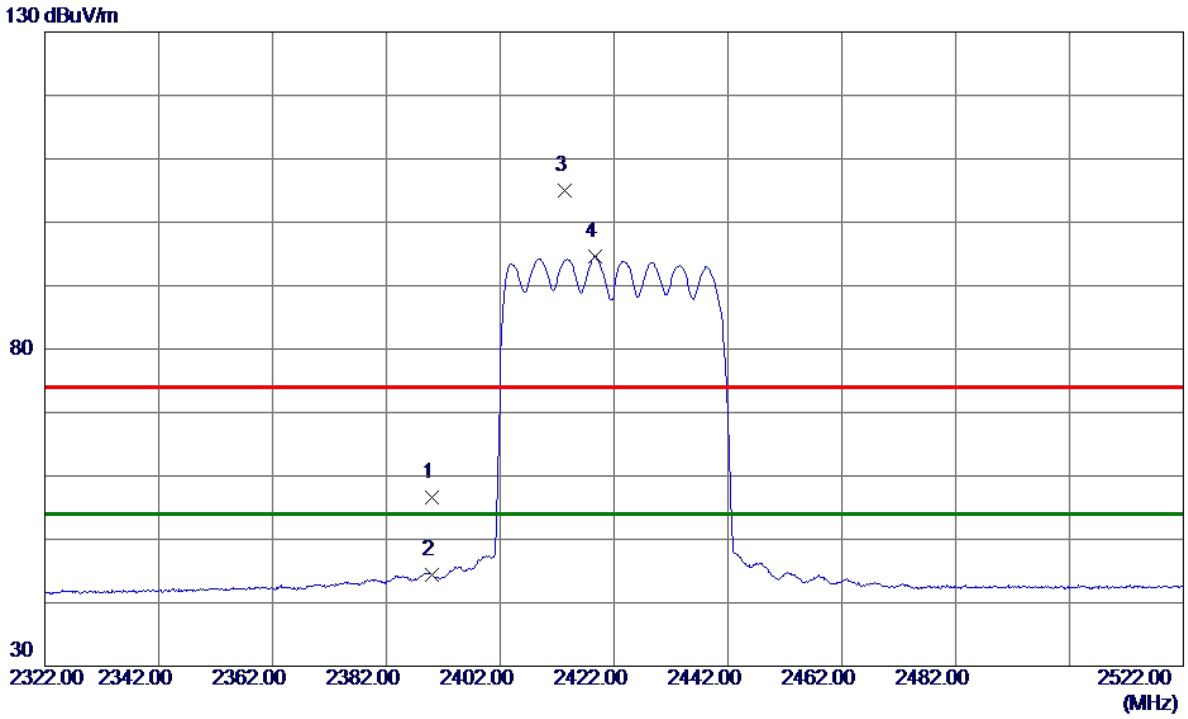
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4842.4000	43.16	4.50	47.66	74.00	-26.34	Peak	
2 *	4842.7000	32.99	4.50	37.49	54.00	-16.51	AVG	

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

Test Mode:	TX AX-40M Mode 2422MHz

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	44.73	11.82	56.55	74.00	-17.45	Peak	
2	2390.0000	32.63	11.82	44.45	54.00	-9.55	AVG	
3	2413.3000	93.20	11.89	105.09	74.00	31.09	Peak	No Limit
4 *	2418.7000	82.65	11.91	94.56	54.00	40.56	AVG	No Limit

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

Test Mode:	TX AX-40M Mode 2422MHz

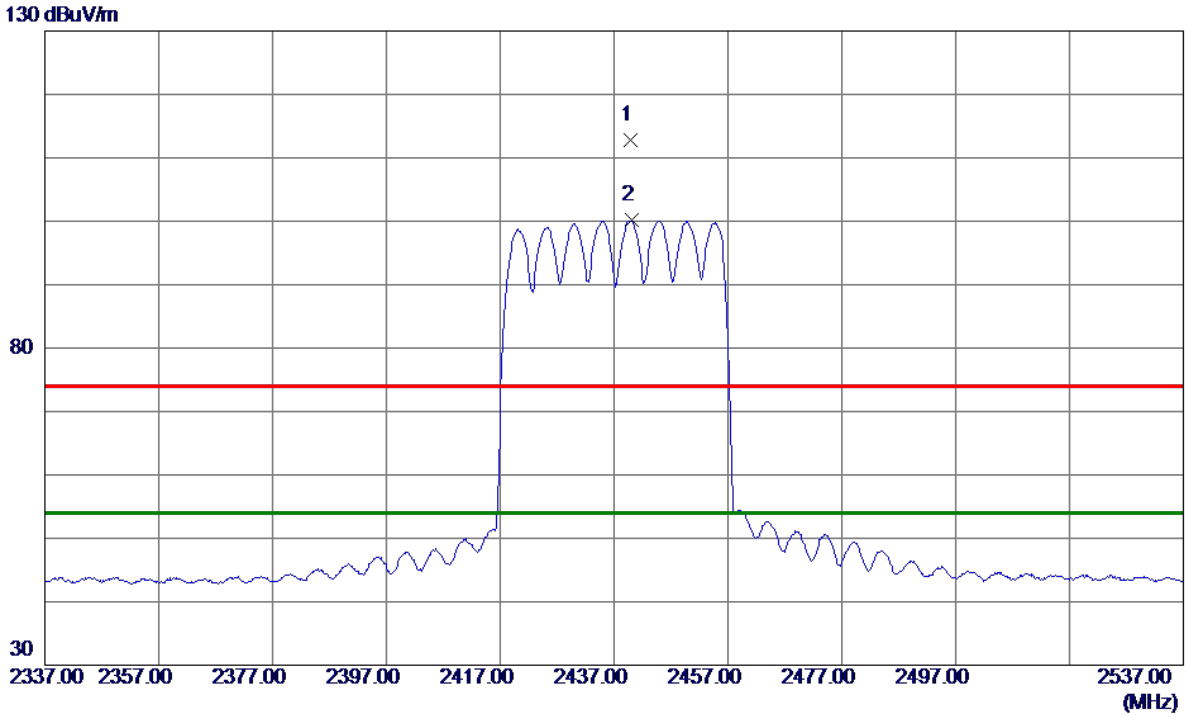
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4844.4250	30.73	4.50	35.23	54.00	-18.77	AVG	
2	4847.9000	40.09	4.51	44.60	74.00	-29.40	Peak	

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

Test Mode:	TX AX-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	2439.9000	100.84	11.98	112.82	74.00	38.82	Peak	No Limit
2 *	2440.2000	88.16	11.98	100.14	54.00	46.14	AVG	No Limit

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

Test Mode:	TX AX-40M Mode 2437 MHz

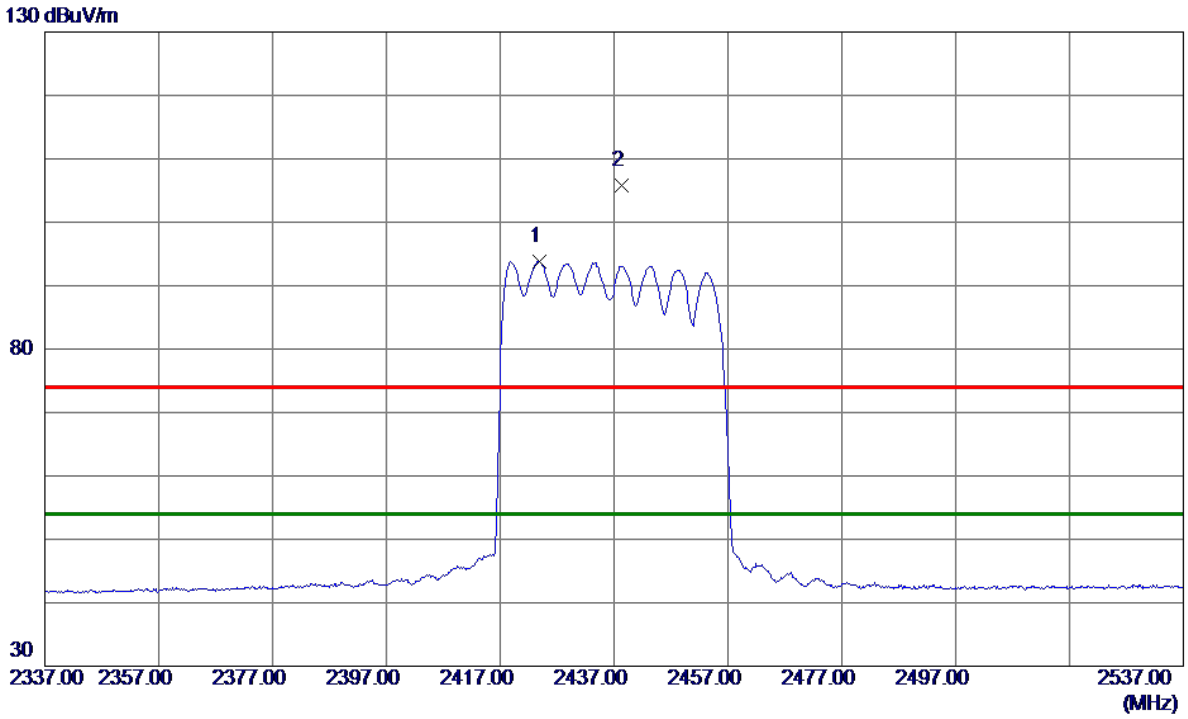
Vertical

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4872.3500	43.39	4.58	47.97	74.00	-26.03	Peak	
2 *	4872.4250	33.70	4.58	38.28	54.00	-15.72	AVG	

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

Test Mode:	TX AX-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 *	2423.8000	81.82	11.93	93.75	54.00	39.75	AVG	No Limit
2	2438.3000	93.75	11.97	105.72	74.00	31.72	Peak	No Limit

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

Test Mode:	TX AX-40M Mode 2437 MHz

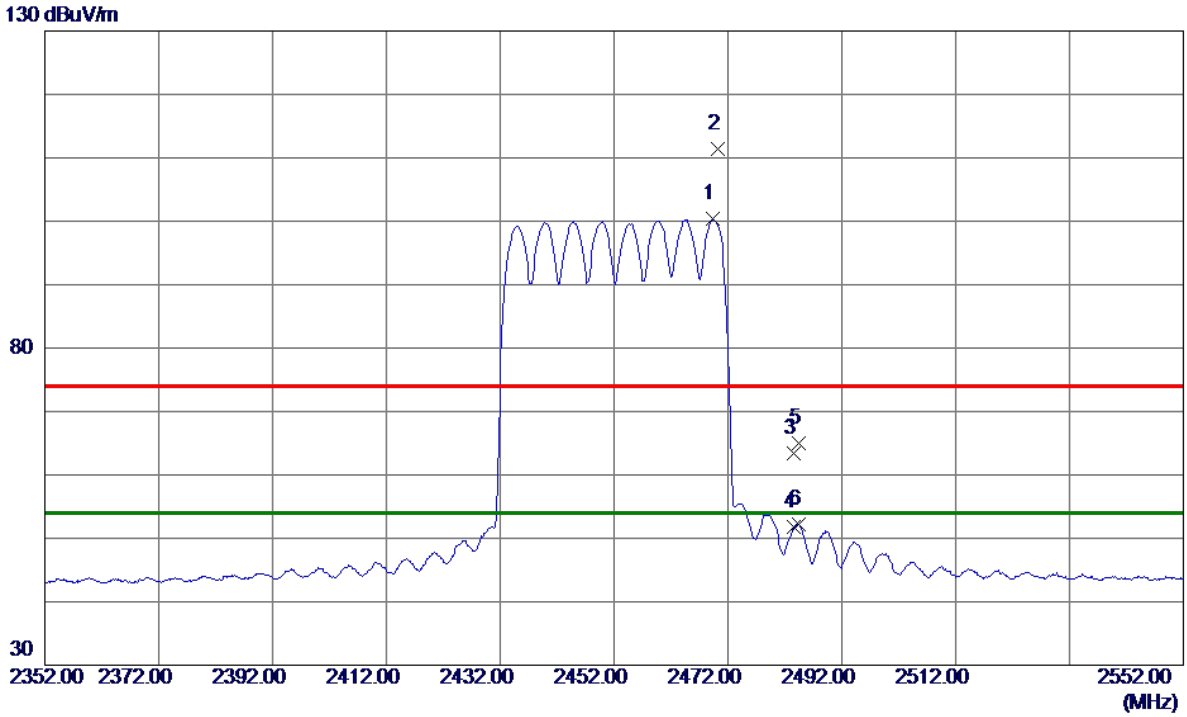
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.9250	31.29	4.58	35.87	54.00	-18.13	AVG	
2	4881.3500	41.61	4.60	46.21	74.00	-27.79	Peak	

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

Test Mode:	TX AX-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 *	2469.4000	88.33	12.07	100.40	54.00	46.40	AVG	No Limit
2	2470.3000	99.37	12.07	111.44	74.00	37.44	Peak	No Limit
3	2483.5000	51.32	12.12	63.44	74.00	-10.56	Peak	
4	2483.5000	39.63	12.12	51.75	54.00	-2.25	AVG	
5	2484.4000	52.92	12.12	65.04	74.00	-8.96	Peak	
6	2484.4000	40.07	12.12	52.19	54.00	-1.81	AVG	

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

Test Mode:	TX AX-40M Mode 2452 MHz

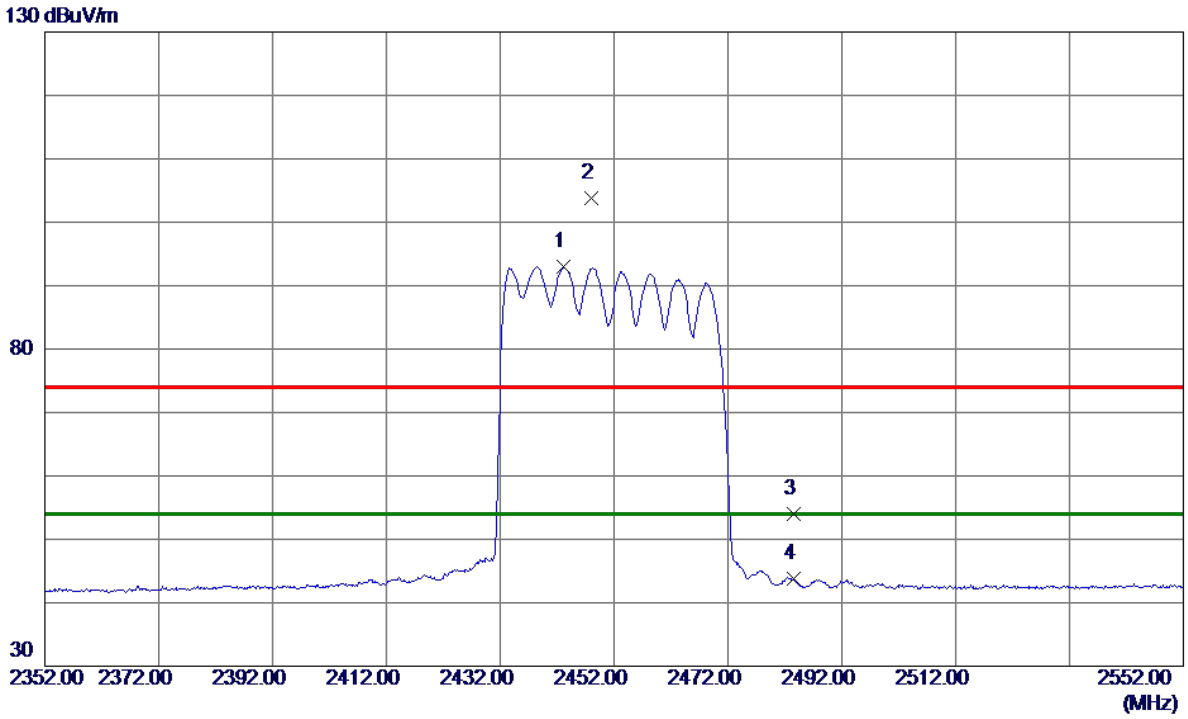
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4901.6750	45.22	4.66	49.88	74.00	-24.12	Peak	
2 *	4902.2750	35.15	4.66	39.81	54.00	-14.19	AVG	

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

Test Mode:	TX AX-40M Mode 2452 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2443.2000	80.93	11.99	92.92	54.00	38.92	AVG	No Limit
2	2447.9000	91.87	12.00	103.87	74.00	29.87	Peak	No Limit
3	2483.5000	41.97	12.12	54.09	74.00	-19.91	Peak	
4	2483.5000	31.69	12.12	43.81	54.00	-10.19	AVG	

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

Test Mode:	TX AX-40M Mode 2452 MHz

Horizontal

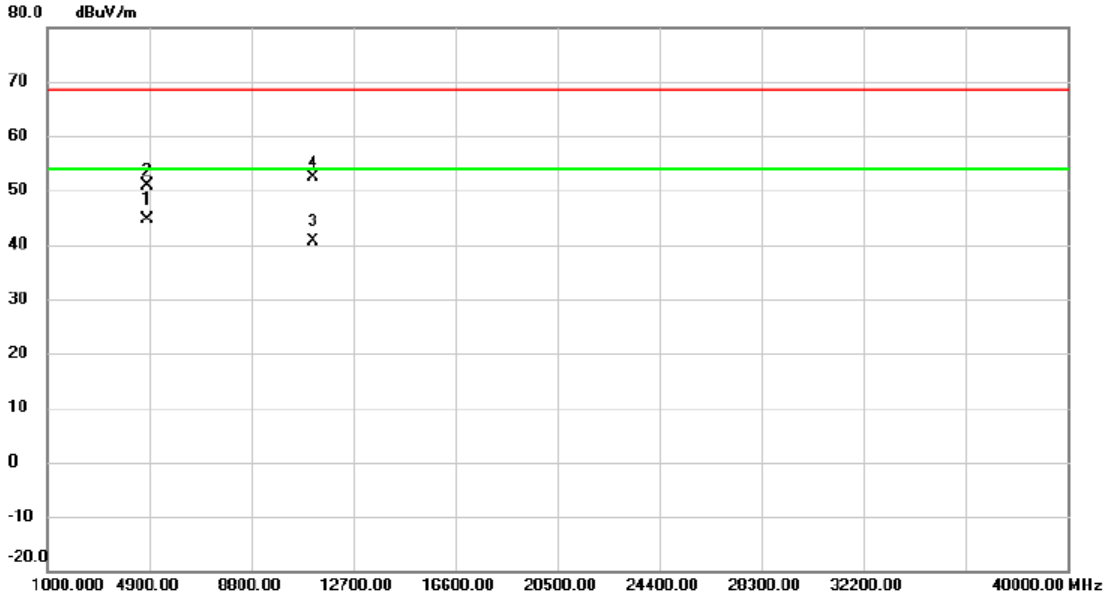
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4902.4500	31.34	4.66	36.00	54.00	-18.00	AVG	
2	4908.8500	40.97	4.68	45.65	74.00	-28.35	Peak	

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

The worst case of simultaneous transmission:

Test Mode:	TX WLAN 2.4G B Mode 2412MHz + WLAN 5G A Mode 5580MHz

Vertical

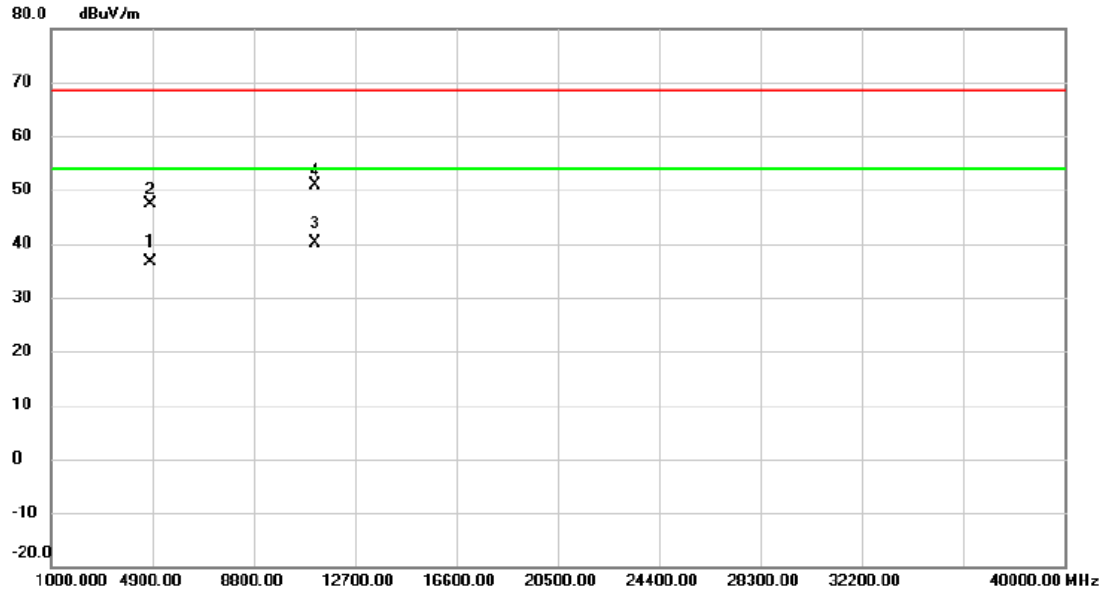


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4823.963	37.99	6.53	44.52	54.00	-9.48	AVG	
2		4824.101	44.39	6.53	50.92	68.30	-17.38	peak	
3		11159.900	24.38	16.37	40.75	54.00	-13.25	AVG	
4		11160.426	36.05	16.37	52.42	68.30	-15.88	peak	

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

Test Mode:	TX WLAN 2.4G B Mode 2412MHz + WLAN 5G A Mode 5580MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4823.986	30.08	6.53	36.61	54.00	-17.39	AVG	
2		4824.127	40.96	6.53	47.49	68.30	-20.81	peak	
3	*	11159.975	23.82	16.37	40.19	54.00	-13.81	AVG	
4		11160.000	34.52	16.37	50.89	68.30	-17.41	peak	

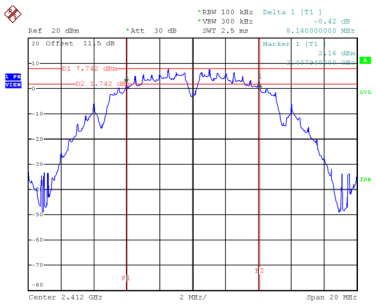
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

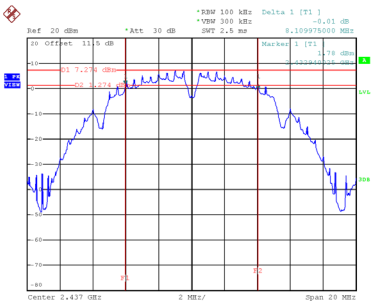
Test Mode	TX B Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	8.14	500	Complies
06	2437	8.11	500	Complies
11	2462	8.12	500	Complies

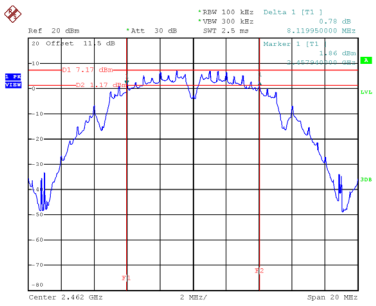
CH01



CH06

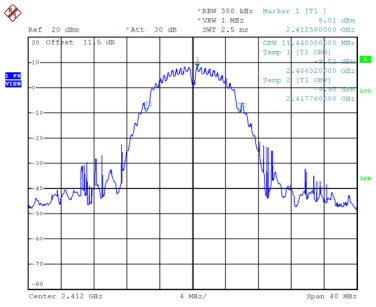


CH11

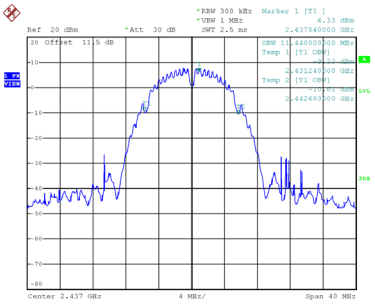


Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	11.44	Complies
06	2437	11.44	Complies
11	2462	11.52	Complies

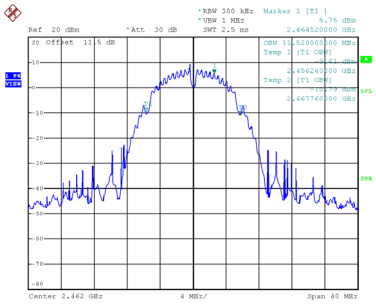
CH01



CH06



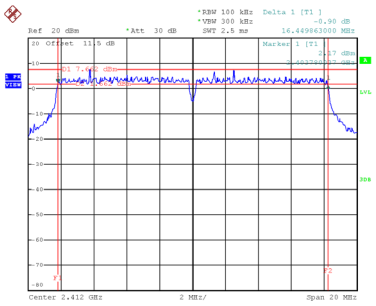
CH11



Test Mode	TX G Mode

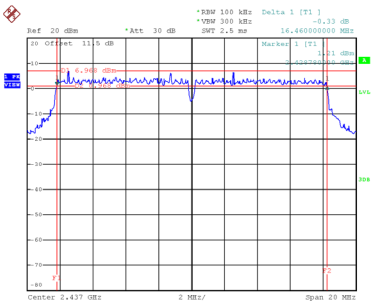
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	16.45	500	Complies
06	2437	16.46	500	Complies
11	2462	16.45	500	Complies

CH01



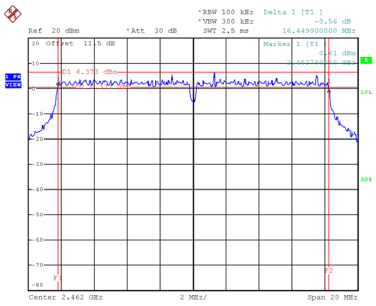
Date: 10.MAR.2021 10:25:21

CH06



Date: 10.MAR.2021 10:26:57

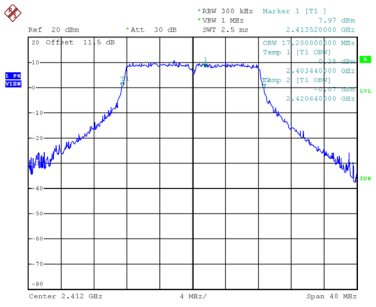
CH11



Date: 10.MAR.2021 10:37:17

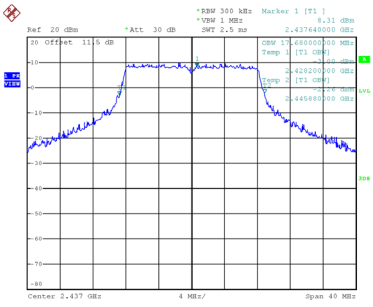
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	17.20	Complies
06	2437	17.68	Complies
11	2462	17.20	Complies

CH01



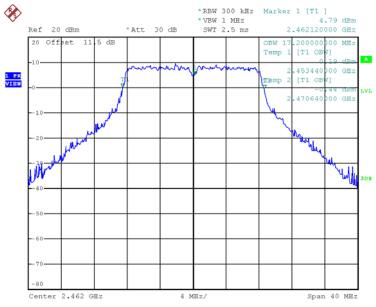
Date: 10.MAR.2021 10:25:28

CH06



Date: 10.MAR.2021 10:27:04

CH11

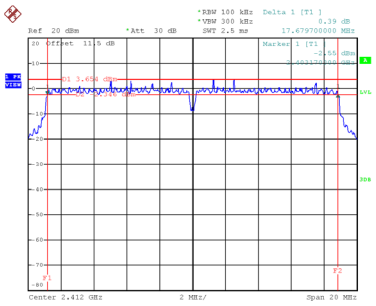


Date: 10.MAR.2021 10:37:24

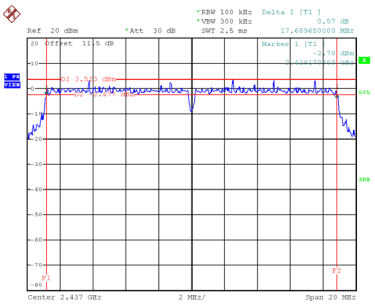
Test Mode	TX N-20M Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	17.68	500	Complies
06	2437	17.69	500	Complies
11	2462	17.66	500	Complies

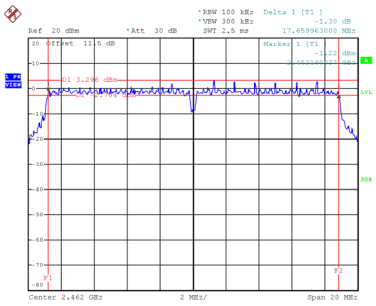
CH01



CH06

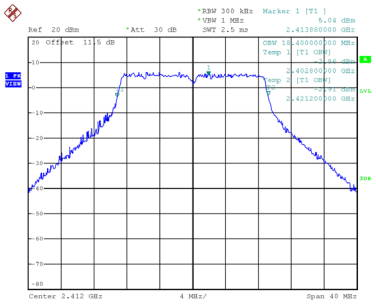


CH11

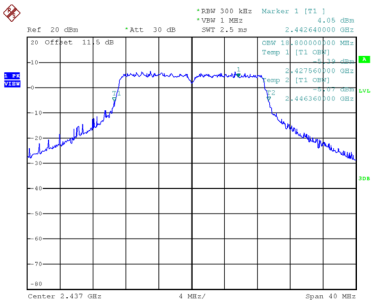


Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	18.40	Complies
06	2437	18.80	Complies
11	2462	18.32	Complies

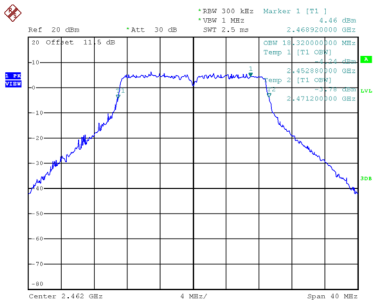
CH01



CH06



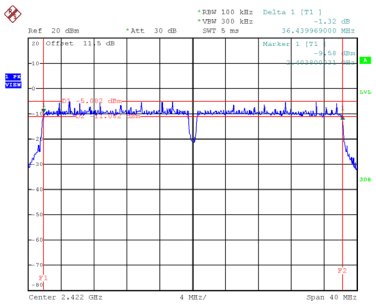
CH11



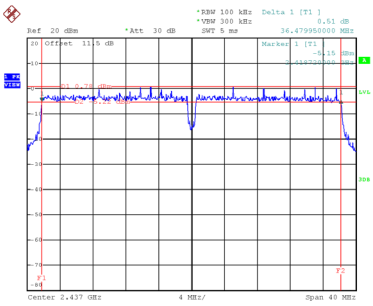
Test Mode	TX N-40M Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
03	2422	36.44	500	Complies
06	2437	36.48	500	Complies
09	2452	37.12	500	Complies

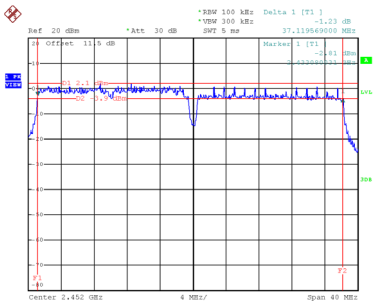
CH03



CH06

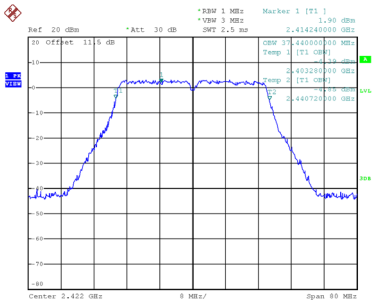


CH09

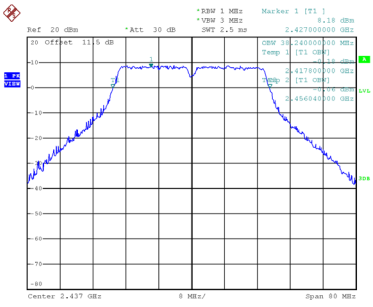


Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
03	2422	37.44	Complies
06	2437	38.24	Complies
09	2452	38.08	Complies

CH03



CH06



CH09