FCC Radio Test Report

FCC ID: 2AUA9-RQZY004

This report concerns: Original Grant

Project No.	:	2005C172
Equipment	:	AX1800 Wi-Fi6 Smart WiFi Router
Brand Name	:	ROCK, rock space
Test Model	:	RSD0616
Series Model	:	N/A
Applicant	:	Shenzhen Renqing Excellent Technology Co., Ltd.
Address	:	104, No.15, Longfu Industrial Zone, Tongsheng Community, Dalang Street, Dalang Street, Longhua District, Shenzhen, Guangdong , China
Manufacturer	:	Shenzhen Renqing Excellent Technology Co., Ltd.
Address	:	104, No.15, Longfu Industrial Zone, Tongsheng Community, Dalang Street, Dalang Street, Longhua District, Shenzhen, Guangdong , China
Date of Receipt	:	May 27, 2020
Date of Test	:	May 28, 2020 ~ Jun. 30, 2020
Issued Date	:	Oct. 09, 2020
Report Version	:	R01
Test Sample	:	Engineering Sample No.: DG20200527305 for conducted, DG20200527306 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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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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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.	Jul. 23, 2020
R01	Changed the product name.	Oct. 09, 2020

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart C (15.247)				
Standard(s) Section	**Test Item**	**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	2.60

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	V	3.79
		9kHz ~ 30MHz	H	3.57
		30MHz ~ 200MHz	V	4.88
		30MHz ~ 200MHz	H	4.14
		200MHz ~ 1,000MHz	V	4.62
		200MHz ~ 1,000MHz	H	4.80
		1GHz ~ 6GHz	-	4.58
		6GHz ~ 18GHz	-	5.18
		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
Time	±0.58 %
Supply voltages	±0.3 %

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	55%	AC 120V/60Hz AC 240V/50Hz	Sheldon Ou
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Sheldon Ou
Radiated Emissions-30 MHz to 1GHz	22°C	54%	AC 120V/60Hz	Sheldon Ou
Radiated Emissions-Above 1000 MHz	22°C	54%	AC 120V/60Hz	Sheldon Ou
Bandwidth	25°C	60%	DC 12V	Hayden Chen
Maximum output power	25°C	60%	DC 12V	Laughing Zhang
Conducted Spurious Emissions	25°C	60%	DC 12V	Hayden Chen
Power Spectral Density	25°C	60%	DC 12V	Hayden Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AX1800 Wi-Fi6 Smart WiFi Router
Brand Name	ROCK, rock space
Test Model	RSD0616
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC voltage supplied from AC adapter. Model: RD1201500-C55-153MG
Power Rating	I/P: 100-240V ~50/60Hz 0.6A O/P: 12V ⎓ 1.5A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE vht: 256QAM 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 vht: up to 400 Mbps IEEE 802.11ax: up to 573.6 Mbps
Maximum Output Power	IEEE 802.11b: 20.87 dBm (0.1222 W) IEEE 802.11g: 23.76 dBm (0.2377 W) IEEE 802.11n (HT20): 23.62 dBm (0.2301 W) IEEE 802.11n (HT40): 19.22 dBm (0.0836 W) IEEE vht20: 23.35 dBm (0.2163 W) IEEE vht40: 19.18 dBm (0.0828 W) IEEE 802.11ax (HEW20): 23.59 dBm (0.2286 W) IEEE 802.11ax (HEW40): 18.79 dBm (0.0757 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 vht20, IEEE 802.11ax (HEW20) CH03 – CH09 for IEEE 802.11n (HT40), IEEE vht40, IEEE 802.11ax (HEW40)							
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(HEW20)	Resource Unit	242 Tone(20M)
	Specific Resource Unit	61
IEEE 802.11ax(HEW40)	Resource Unit	484 Tone(40M)
	Specific Resource Unit	65

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

4. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	SLEing	N/A	Dipole	N/A	5.13
2	SLEing	N/A	Dipole	N/A	5.13

Note:
This EUT supports CDD, and all antennas have the same gain, then the Directional gain = G_{ANT}+Array Gain,
For power measurements, Array Gain = 0 dB ($N_{ANT} \leq 4$), so the Directional gain=5.13.
For power spectral density measurements, $N_{ANT} = 2$, $N_{SS} = 1$. So Directional gain = G_{ANT} + Array Gain = G_{ANT}+10log (N_{ANT}/ N_{SS}) dB =5.13+10log(2/1)dBi=8.14. Then, the power spectral density limit is 8-(8.14-6)=5.86.

5. Table for Antenna Configuration:

Operating Mode / TX Mode	1TX	2TX
IEEE 802.11b	V (Ant. 2)	-
IEEE 802.11g	-	V (Ant. 1 + Ant. 2)
IEEE 802.11n (HT20)	-	V (Ant. 1 + Ant. 2)
IEEE 802.11n (HT40)	-	V (Ant. 1 + Ant. 2)
IEEE vht20	-	V (Ant. 1 + Ant. 2)
IEEE vht40	-	V (Ant. 1 + Ant. 2)
IEEE 802.11ax (HEW20)	-	V (Ant. 1 + Ant. 2)
IEEE 802.11ax (HEW40)	-	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 vht-20 MHz Mode Channel 01/06/11
Mode 6	TX vht-40 MHz Mode Channel 03/06/09
Mode 7	TX AX-20 MHz Mode Channel 01/06/11
Mode 8	TX AX-40 MHz Mode Channel 03/06/09
Mode 9	TX G 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 9	TX G Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 9	TX G Mode Channel 06

Radiated emissions test- Above 1GHz	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09
Mode 7	TX AX-20 MHz Mode Channel 01/06/11
Mode 8	TX AX-40 MHz Mode Channel 03/06/09

Output Power test	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09
Mode 5	TX vht-20 MHz Mode Channel 01/06/11
Mode 6	TX vht-40 MHz Mode Channel 03/06/09
Mode 7	TX AX-20 MHz Mode Channel 01/06/11
Mode 8	TX AX-40 MHz Mode Channel 03/06/09

Other Conducted test	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09
Mode 7	TX AX-20 MHz Mode Channel 01/06/11
Mode 8	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 802.11g 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 Output Power were tested, the worst case were IEEE 802.11b mode, IEEE 802.11g mode, IEEE 802.11n(HT20) mode, IEEE 802.11n(HT40) mode, IEEE 802.11ax(HEW20) mode and IEEE 802.11ax(HEW40) mode, only the worst case were documented for other test items.

(6) For radiated emissions, the TX WLAN 2.4G B Mode 2437MHz + WLAN 5G A Mode 5785MHz was found the worst case of simultaneous transmission and recorded.

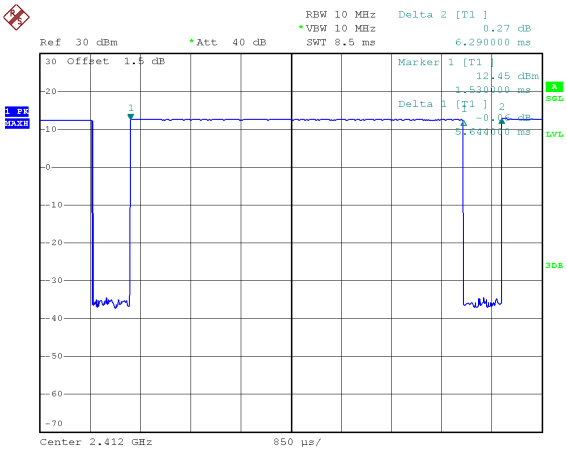
2.3 PARAMETERS OF TEST SOFTWARE

Test Software	accessMTool_REL_3_1_0_4		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	79	79	79
IEEE 802.11g	66	78	67
IEEE 802.11n (HT20)	66	78	66
IEEE vht20	60	77	66
IEEE 802.11ax (HEW20)	62	77	54
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	58	64	62
IEEE vht40	56	63	60
IEEE 802.11ax (HEW40)	56	60	60

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.

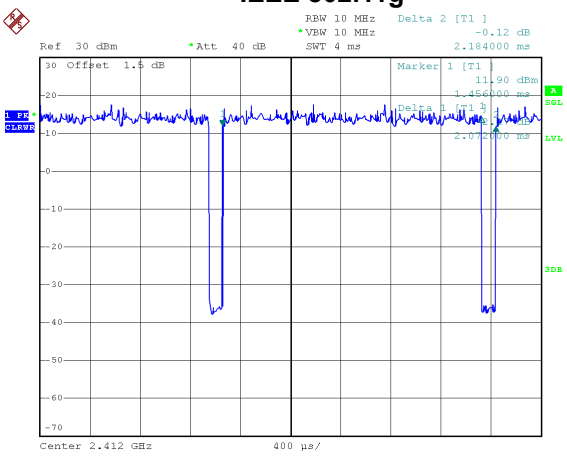
IEEE 802.11b



Date: 1.JUN.2020 20:44:16

Duty cycle = 5.644 ms / 6.290 ms = 89.73%
Duty Factor = 10 log(1/Duty cycle) = 0.47

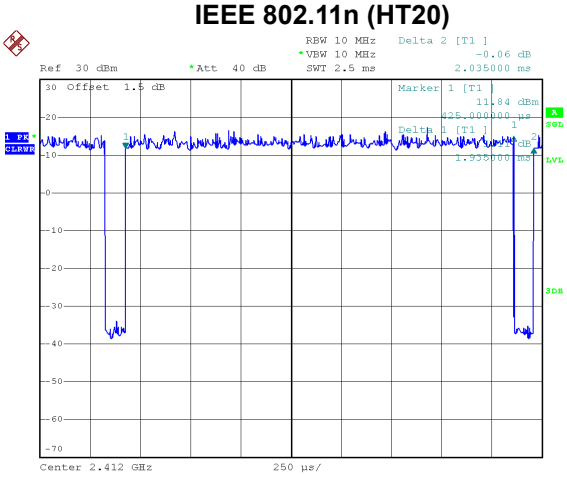
IEEE 802.11g



Date: 1.JUN.2020 20:44:47

Duty cycle = 2.072 ms / 2.184 ms = 94.87%
Duty Factor = 10 log(1/Duty cycle) = 0.23

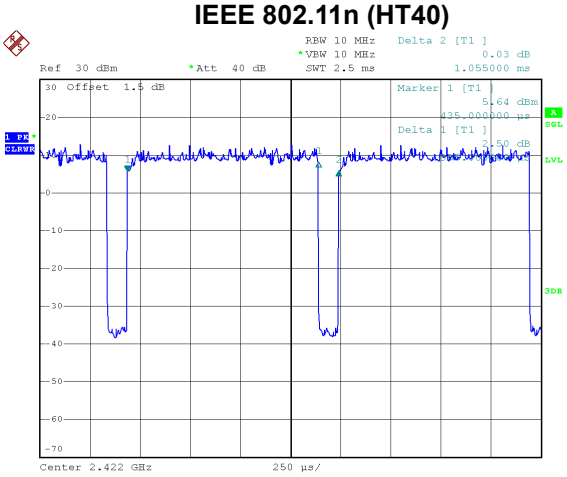
IEEE 802.11n (HT20)



Date: 1.JUN.2020 20:45:10

Duty cycle = 1.935 ms / 2.035 ms = 95.09%
Duty Factor = 10 log(1/Duty cycle) = 0.22

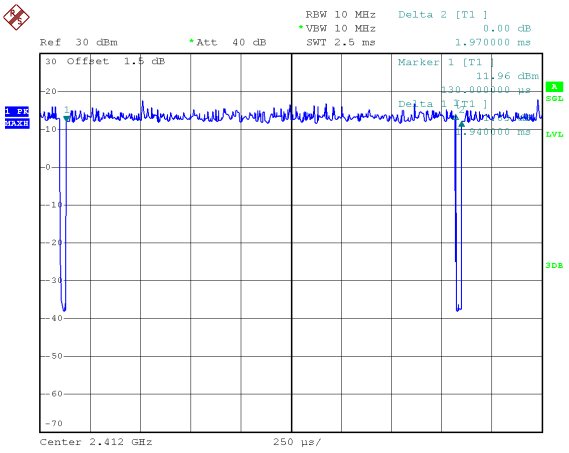
IEEE 802.11n (HT40)



Date: 1.JUN.2020 20:45:33

Duty cycle = 0.955 ms / 1.055 ms = 90.52%
Duty Factor = 10 log(1/Duty cycle) = 0.43

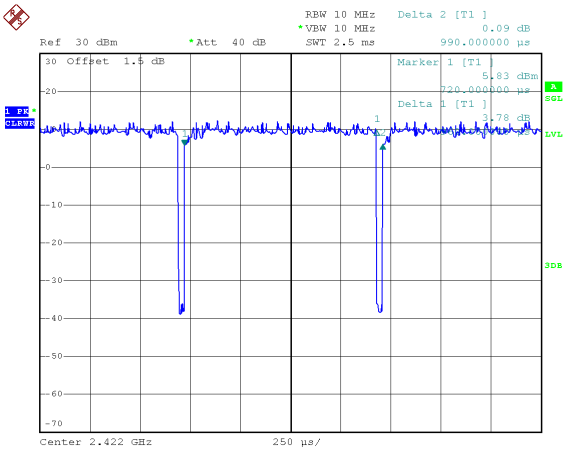
IEEE vht20



Date: 1.JUN.2020 20:50:00

Duty cycle = 1.940 ms / 1.970 ms = 98.48%
Duty Factor = 10 log(1/Duty cycle) = 0.00

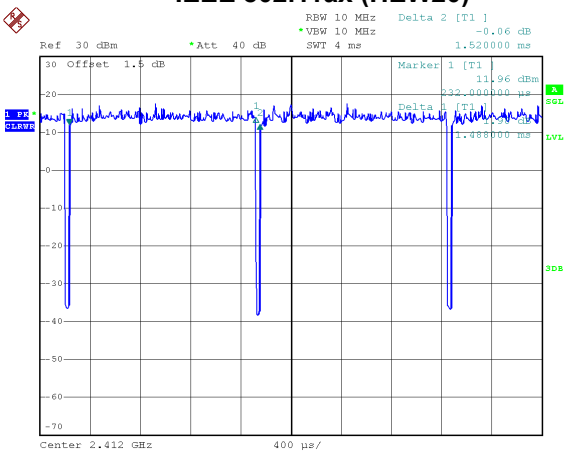
IEEE vht40



Date: 1.JUN.2020 20:50:24

Duty cycle = 0.960 ms / 0.990 ms = 96.97%
Duty Factor = 10 log(1/Duty cycle) = 0.13

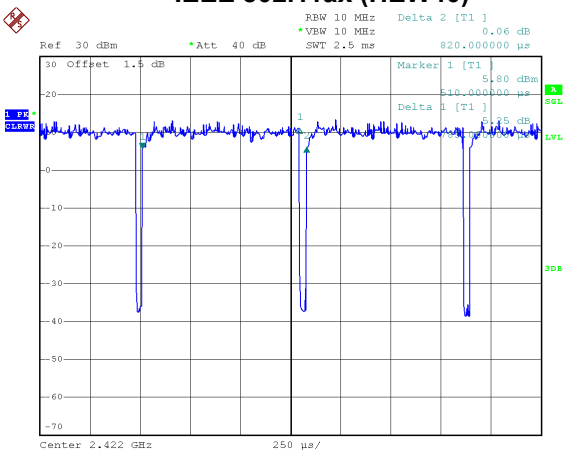
IEEE 802.11ax (HEW20)



Date: 1.JUN.2020 20:45:59

Duty cycle = 1.488 ms / 1.520 ms = 97.89%
Duty Factor = 10 log(1/Duty cycle) = 0.09

IEEE 802.11ax (HEW40)



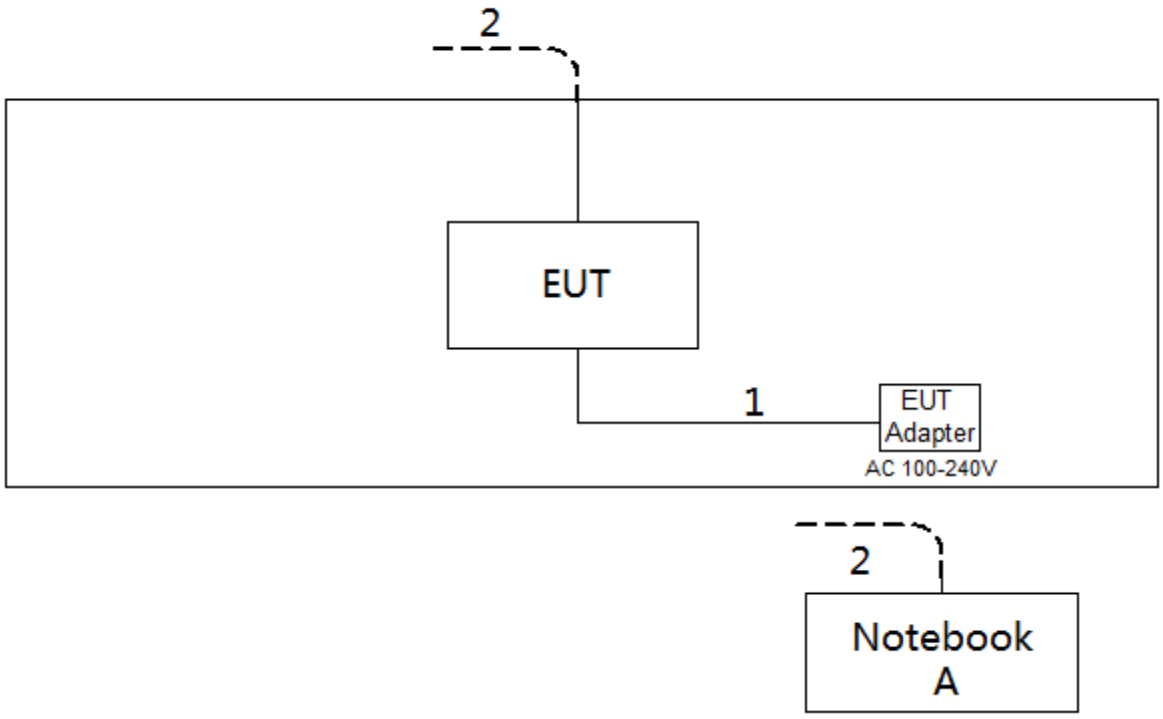
Date: 1.JUN.2020 20:46:19

Duty cycle = 0.785 ms / 0.820 ms = 95.73%
Duty Factor = 10 log(1/Duty cycle) = 0.19

NOTE:
For IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (HT20), IEEE vht20 and IEEE 802.11ax (HEW20):
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), IEEE vht40 and IEEE 802.11ax (HEW40):
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 - 0.50	66 to 56*	56 to 46*
0.50 - 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

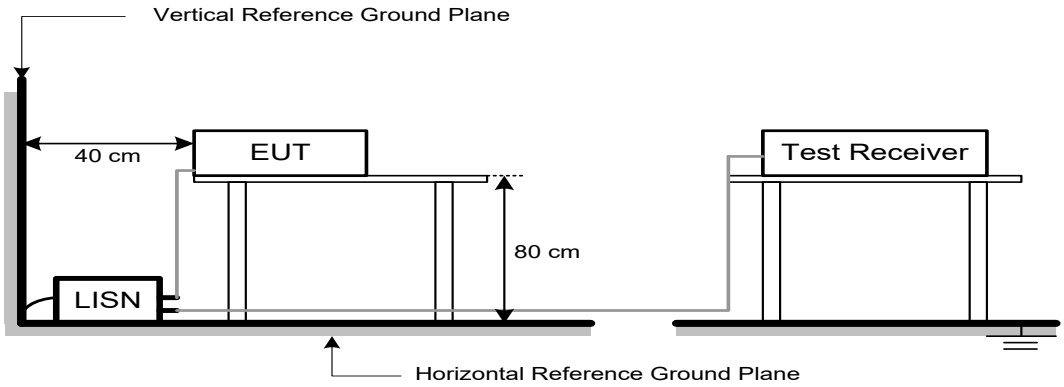
3.2 TEST PROCEDURE

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)

For WLAN 2.4GHz:

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

For WLAN 5GHz:

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBμV/m)
5725-5850	-27 NOTE(4)	68.3
	10 NOTE(4)	105.3
	15.6 NOTE(4)	110.9
	27 NOTE(4)	122.3

NOTE:

(1) The limit for radiated test was performed according to FCC PART 15C & FCC PART 15E.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

(4) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

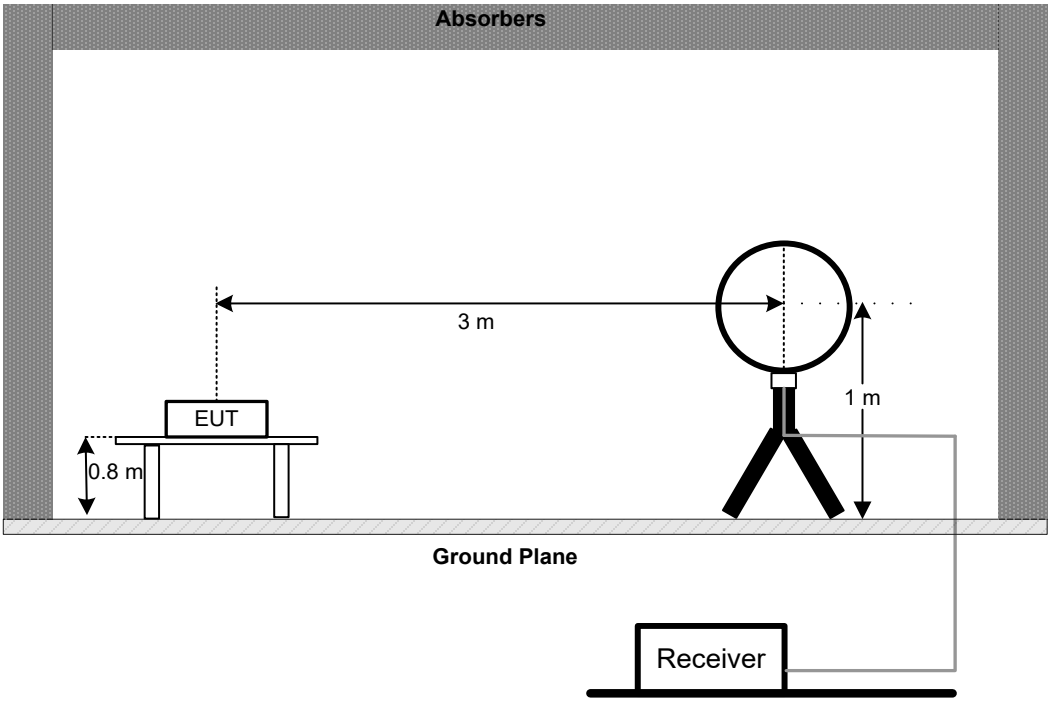
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
b. The measuring distance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

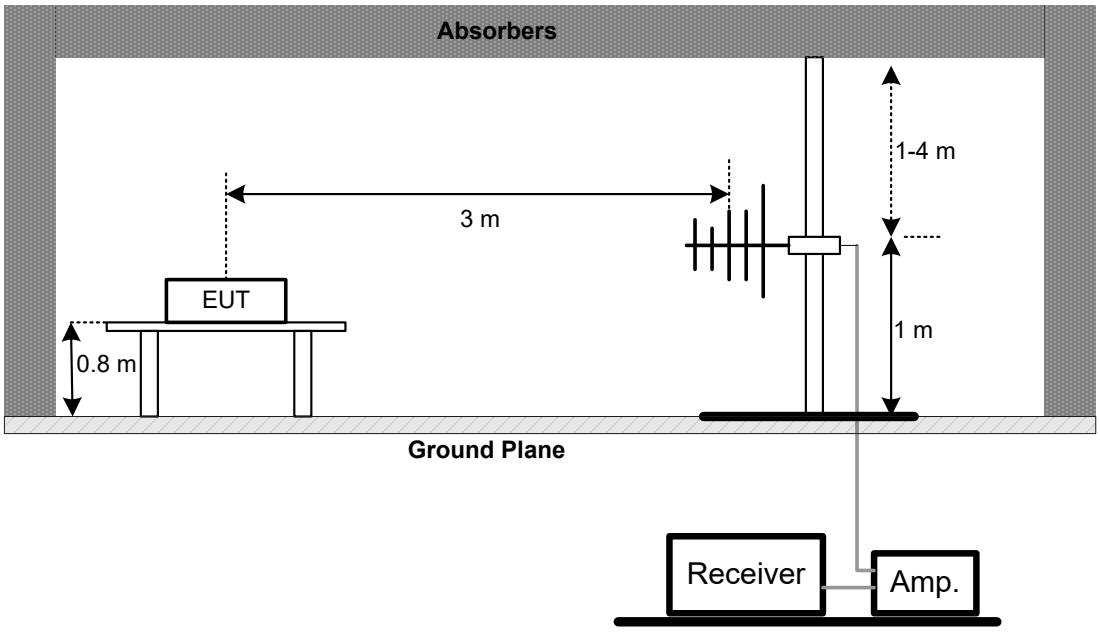
No deviation

4.4 TEST SETUP

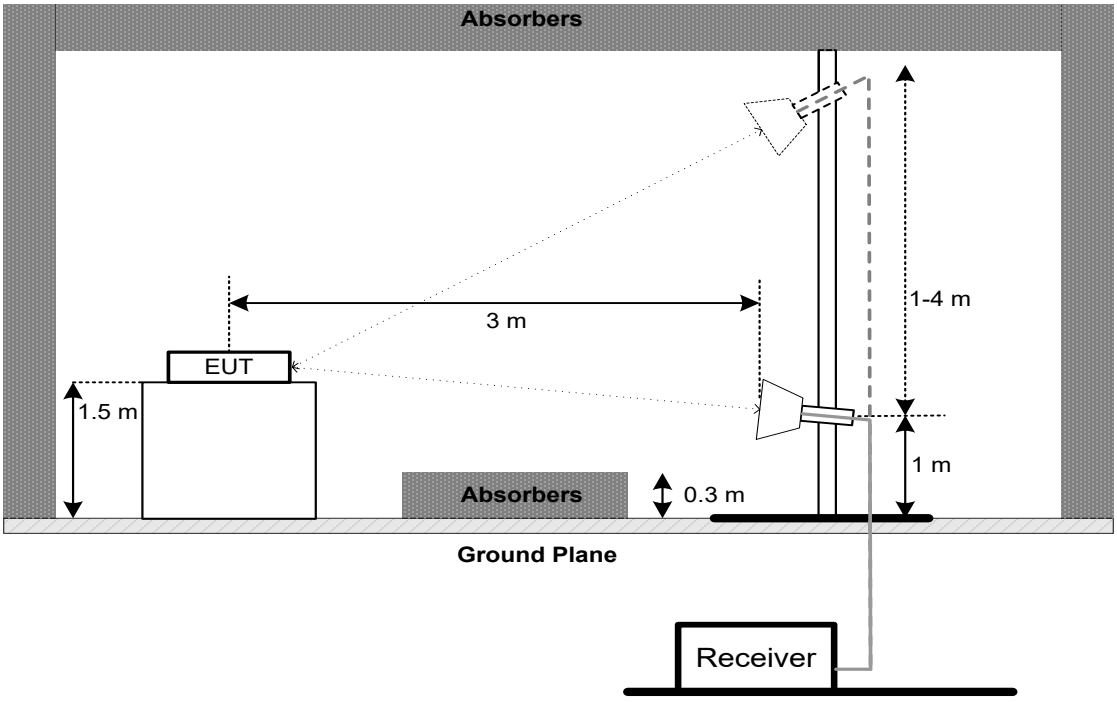
9 kHz-30 MHz



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/N-20/ vht-20/AX-20 Mode: RBW= 300 KHz, VBW=1 MHz, Sweep time = 2.5 ms.
N-40/vht-40/AX-40 Mode: RBW= 1 MHz, VBW=3 MHz, Sweep time = 2.5 ms.
c. The bandwidth was performed in accordance with method 11.8.1 of ANSI C63.10-2013.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP

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

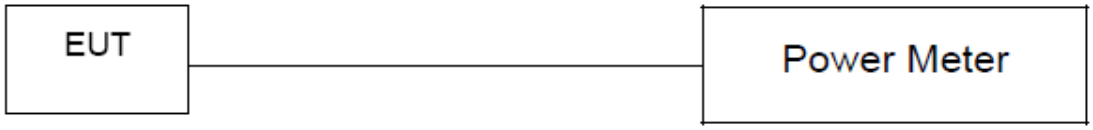
6.2 TEST PROCEDURE

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 11.9.2.3.1 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, 2021
2	LISN	EMCO	3816/2	52765	Mar. 01, 2021
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 28, 2021
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 01, 2021
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 10, 2021
7	643 Shield Room	ETS	6*4*3m	N/A	N/A

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

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 09, 2021
2*	Amplifier	HP	8447D	2944A09673	Aug. 11, 2021
3	Receiver	Agilent	N9038A	MY52130039	Aug. 03, 2020
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	Jun. 23, 2021
3	Amplifier	Agilent	8449B	3008A02333	Mar. 01, 2021
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 07, 2021
5	Receiver	Agilent	N9038A	MY52130039	Aug. 03, 2020
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	N/A	EMC104-SM-SM-6 000	N/A	May 09, 2021
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	Filter	STI	STI15-9912	N/A	Jul. 25, 2021
11	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021

Bandwidth & Antenna Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 03, 2020
2	RF Cable	Tongkaichuan	N/A	N/A	N/A
3	DC Block	Mini	N/A	N/A	N/A

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Aug. 03, 2020
2	Wideband power sensor	Keysight	N1923A	MY58310004	Aug. 03, 2020
3	RF Cable	Tongkaichuan	N/A	N/A	N/A

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

“*” calibration period of equipment list is three year.

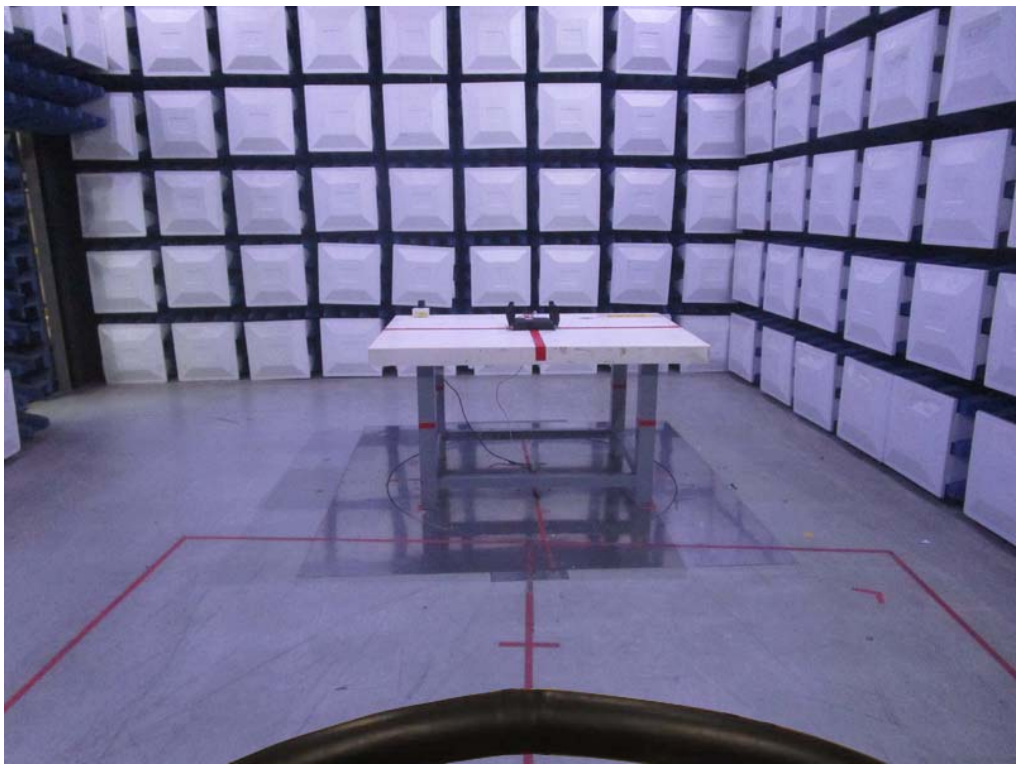
Except * item, all calibration period of equipment list is one year.

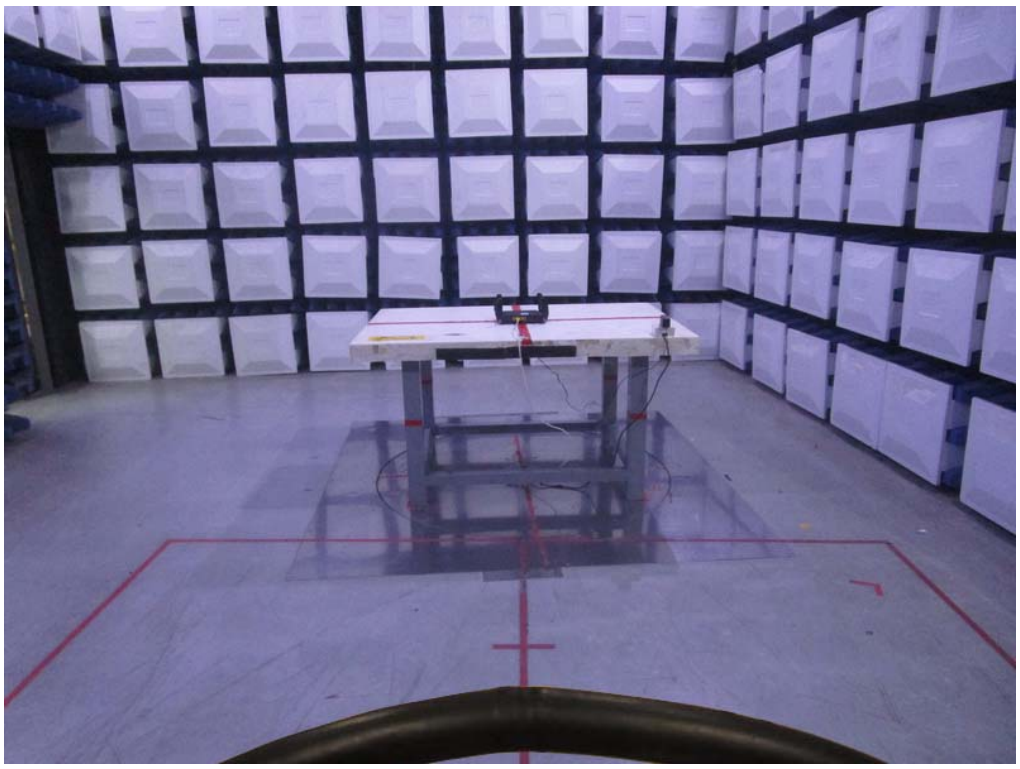
10. EUT TEST PHOTO

AC Power Line Conducted Emissions Test Photos

Radiated Emissions Test Photos

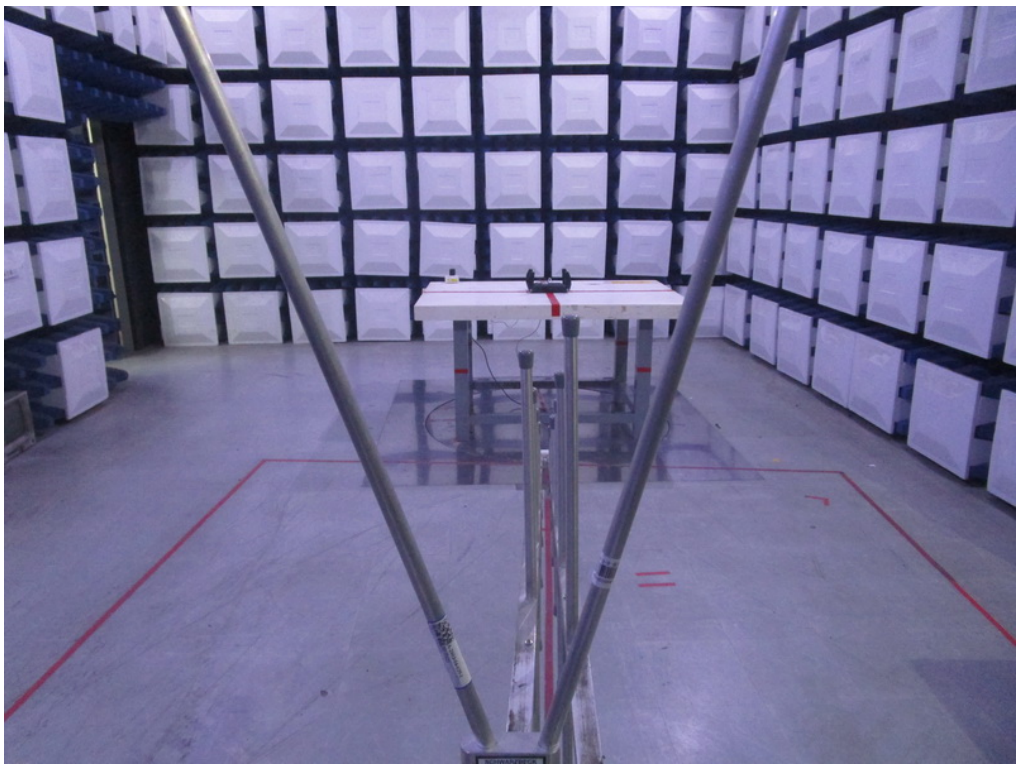
9 kHz to 30 MHz

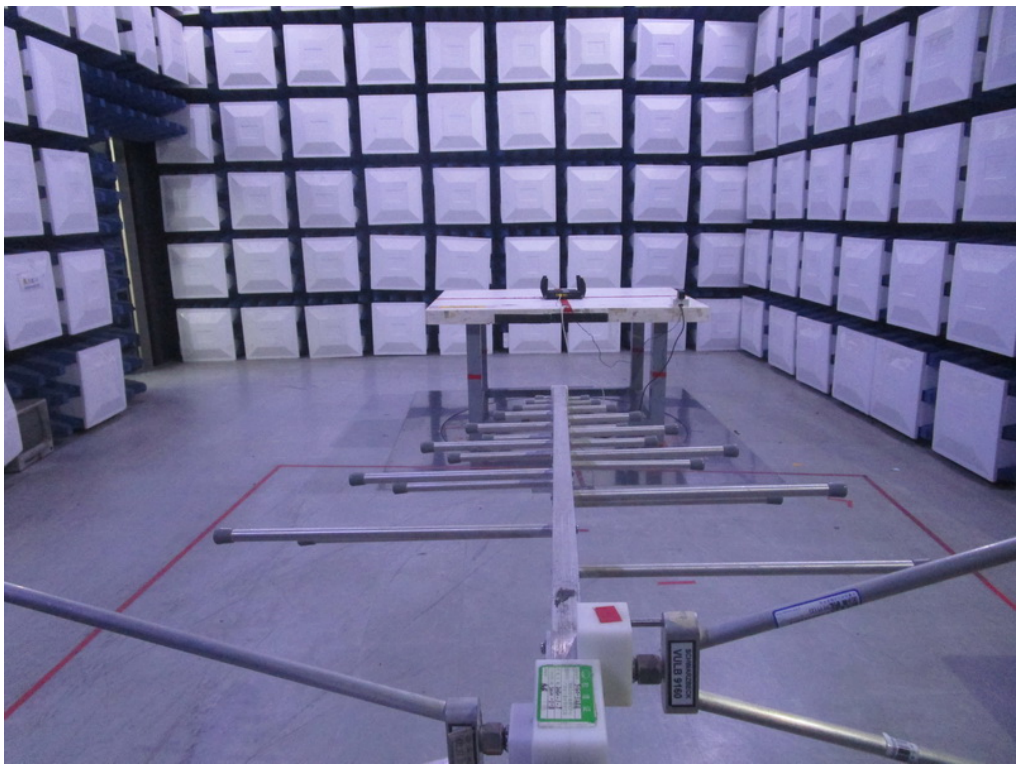




Radiated Emissions Test Photos

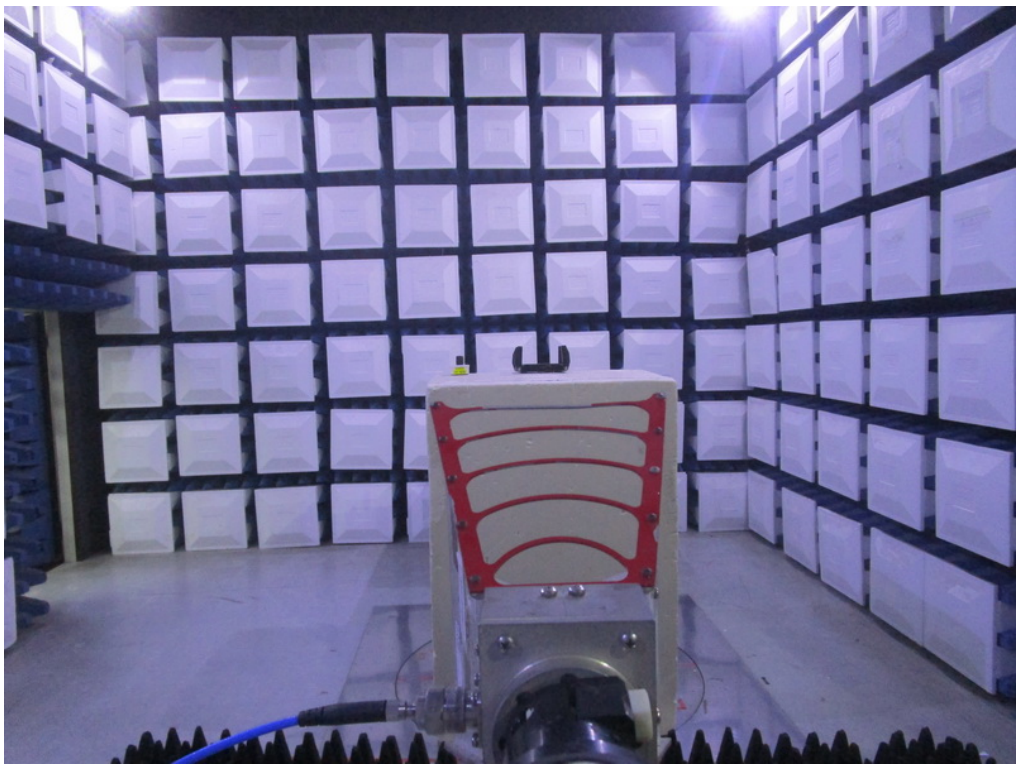
30 MHz to 1 GHz

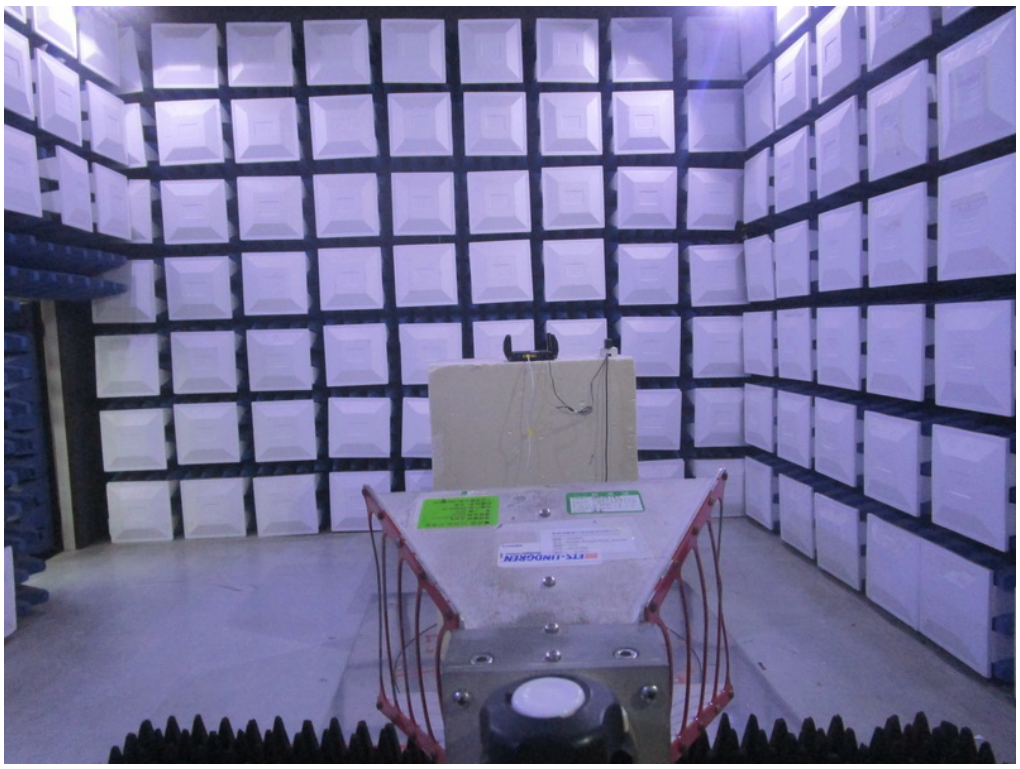




Radiated Emissions Test Photos

Above 1 GHz

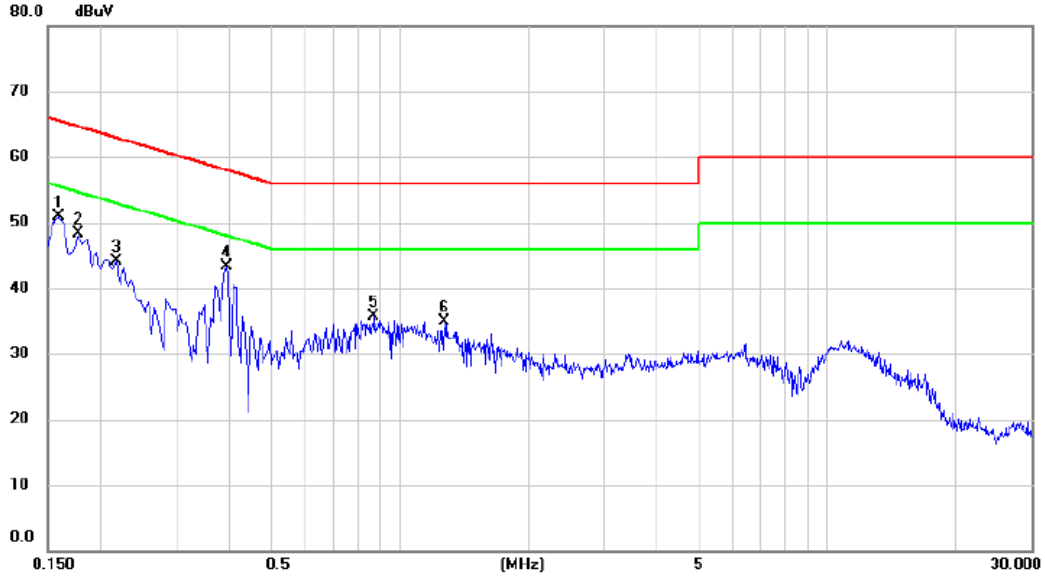




APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

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

Line

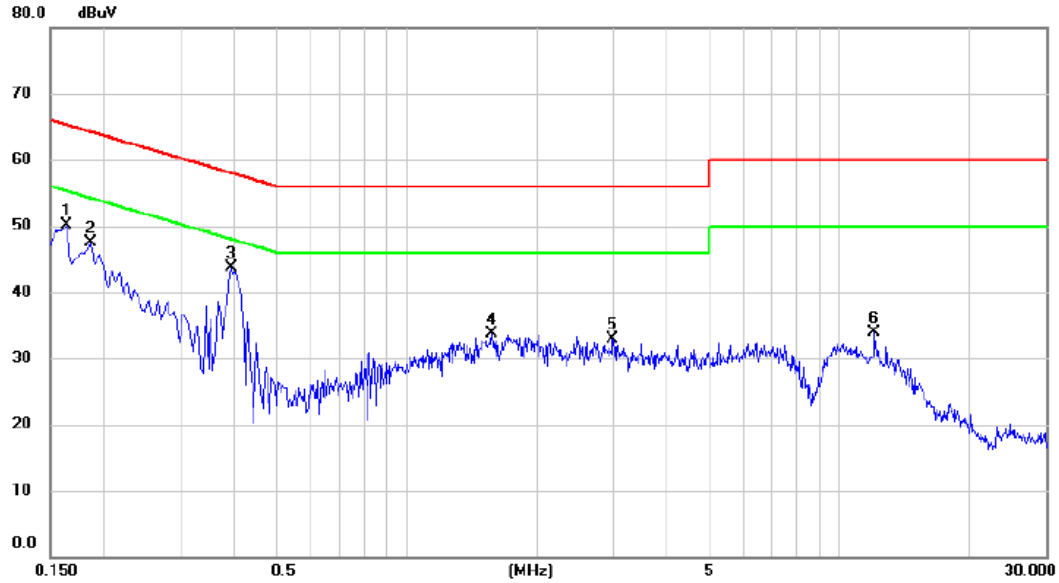


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1590	41.13	9.73	50.86	65.52	-14.66	peak	
2		0.1770	38.53	9.84	48.37	64.63	-16.26	peak	
3		0.2175	34.19	9.90	44.09	62.91	-18.82	peak	
4	*	0.3930	33.46	9.92	43.38	58.00	-14.62	peak	
5		0.8700	25.73	10.00	35.73	56.00	-20.27	peak	
6		1.2705	24.91	10.03	34.94	56.00	-21.06	peak	

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

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

Neutral

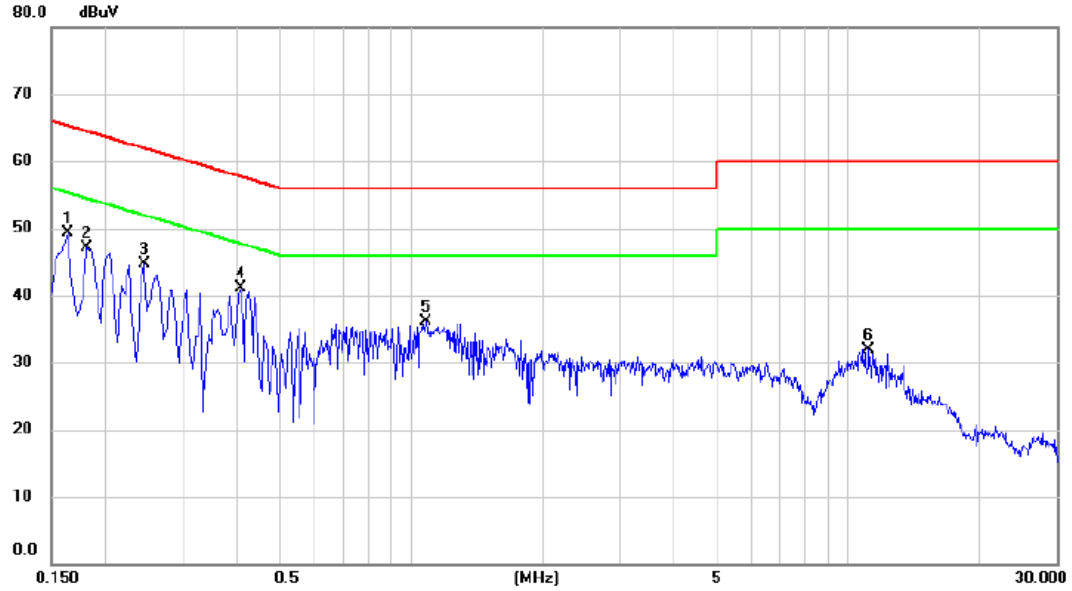


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1635	40.24	9.85	50.09	65.28	-15.19	peak	
2		0.1860	37.58	9.95	47.53	64.21	-16.68	peak	
3	*	0.3930	33.52	10.09	43.61	58.00	-14.39	peak	
4		1.5765	23.32	10.37	33.69	56.00	-22.31	peak	
5		2.9940	22.46	10.52	32.98	56.00	-23.02	peak	
6		12.0390	22.87	11.08	33.95	60.00	-26.05	peak	

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

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

Line

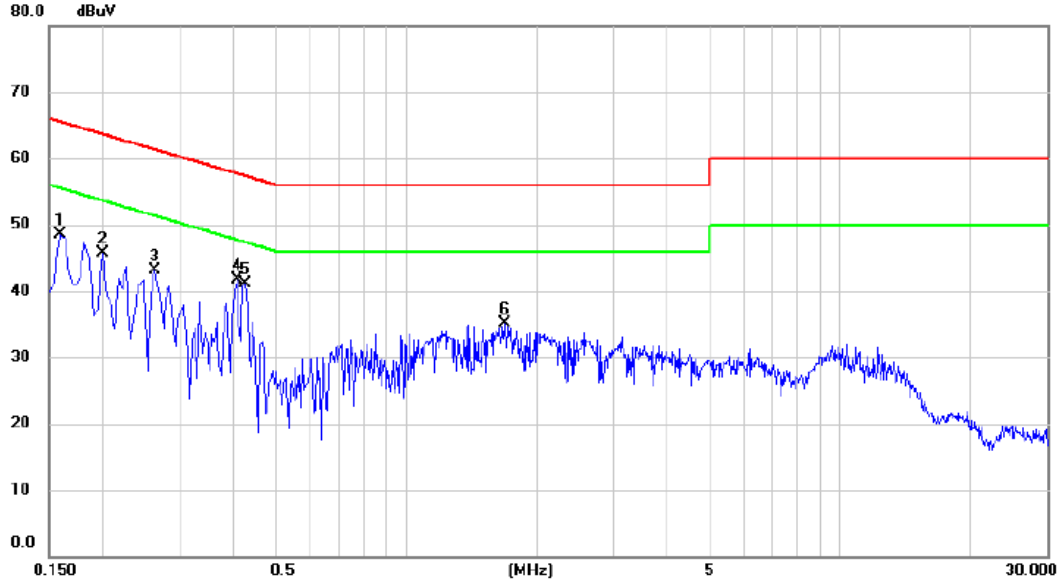


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1635	39.48	9.77	49.25	65.28	-16.03	peak	
2		0.1815	37.18	9.85	47.03	64.42	-17.39	peak	
3		0.2445	34.76	9.87	44.63	61.94	-17.31	peak	
4		0.4065	31.14	9.92	41.06	57.72	-16.66	peak	
5		1.0815	25.99	10.02	36.01	56.00	-19.99	peak	
6		11.1570	21.21	10.75	31.96	60.00	-28.04	peak	

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

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

Neutral



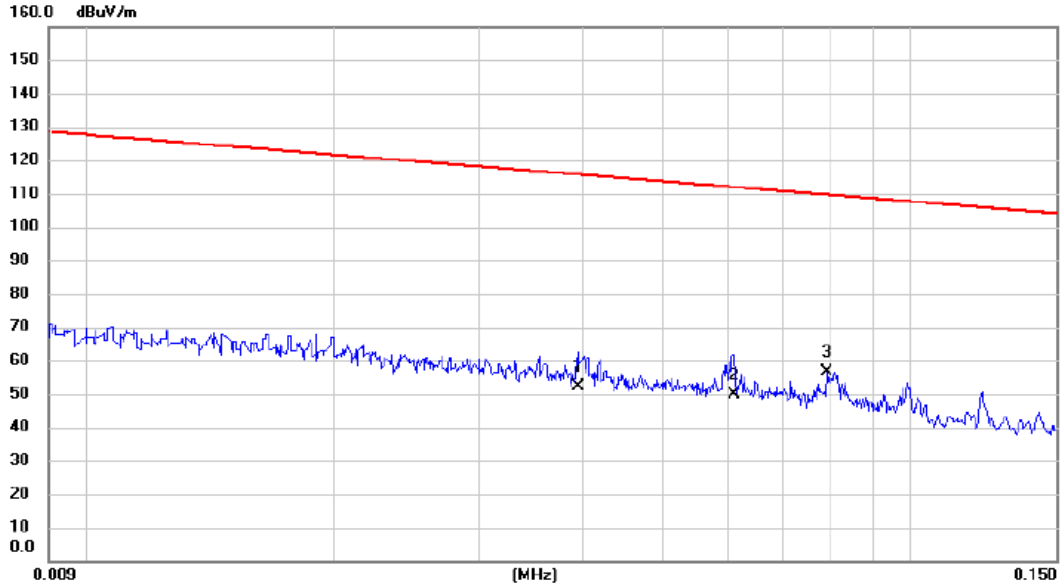
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1590	38.78	9.81	48.59	65.52	-16.93	peak	
2		0.1995	35.78	10.01	45.79	63.63	-17.84	peak	
3		0.2625	33.21	9.99	43.20	61.35	-18.15	peak	
4	*	0.4065	31.55	10.09	41.64	57.72	-16.08	peak	
5		0.4245	31.09	10.10	41.19	57.36	-16.17	peak	
6		1.6890	24.67	10.39	35.06	56.00	-20.94	peak	

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 G Mode Channel 06

Ant 0°

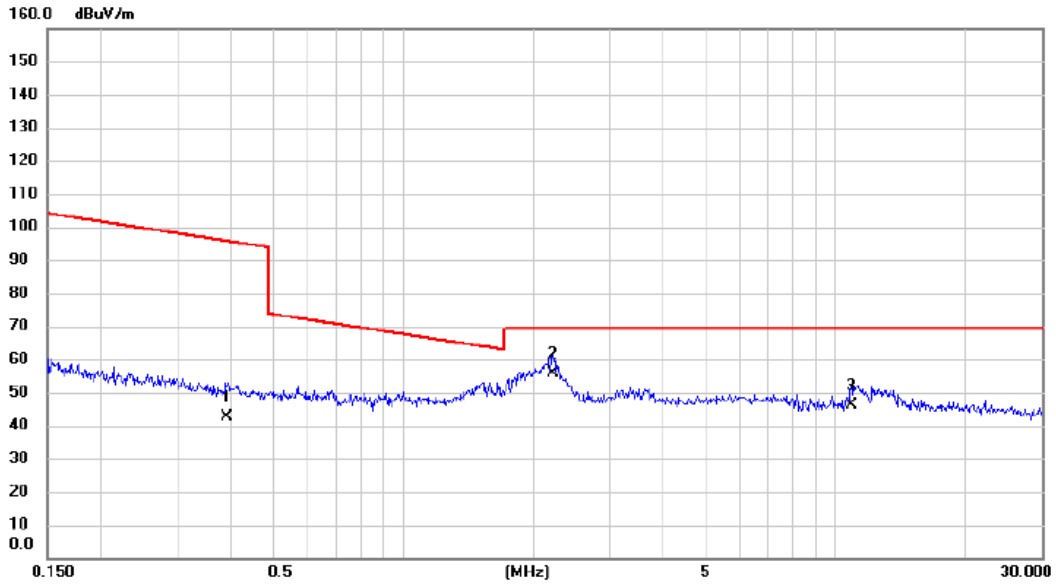


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0395	31.25	21.00	52.25	115.67	-63.42	AVG	
2		0.0610	28.76	20.97	49.73	111.90	-62.17	AVG	
3	*	0.0792	35.54	20.99	56.53	109.63	-53.10	AVG	

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

Test Mode:	TX G Mode Channel 06

Ant 0°

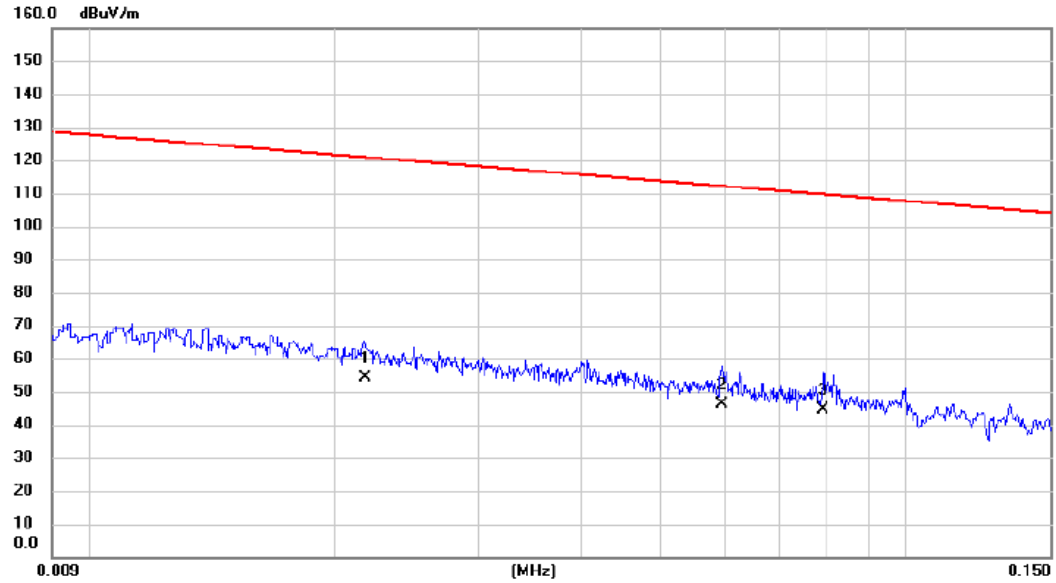


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3893	21.64	20.80	42.44	95.80	-53.36	AVG	
2	*	2.2250	33.85	21.84	55.69	69.54	-13.85	QP	
3		10.9050	23.82	22.45	46.27	69.54	-23.27	QP	

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

Test Mode:	TX G Mode Channel 06

Ant 90°

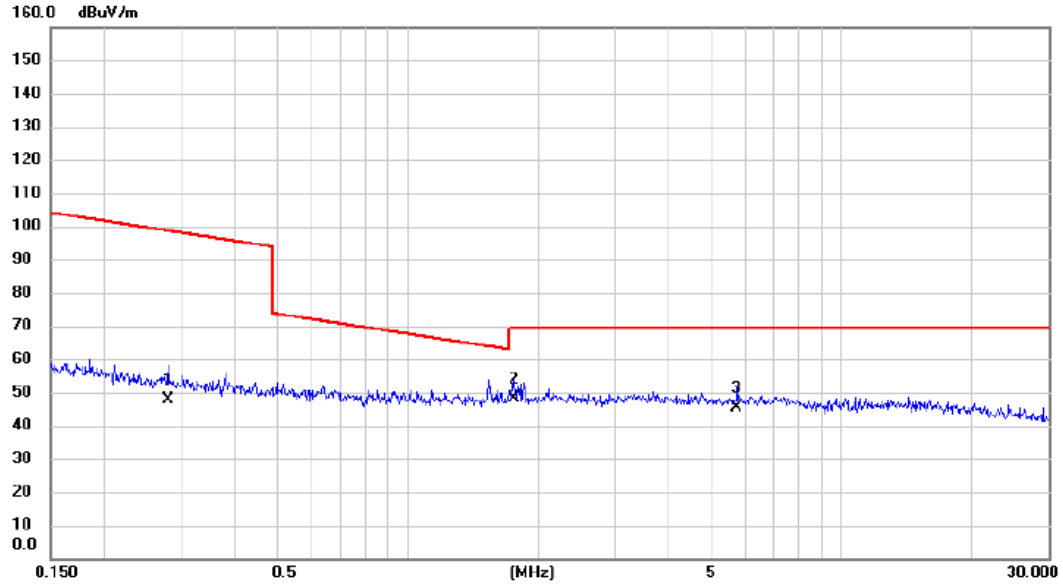


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0218	33.09	21.11	54.20	120.84	-66.64	AVG	
2		0.0594	25.36	20.97	46.33	112.13	-65.80	AVG	
3	*	0.0792	23.57	20.99	44.56	109.63	-65.07	AVG	

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

Test Mode:	TX G Mode Channel 06

Ant 90°



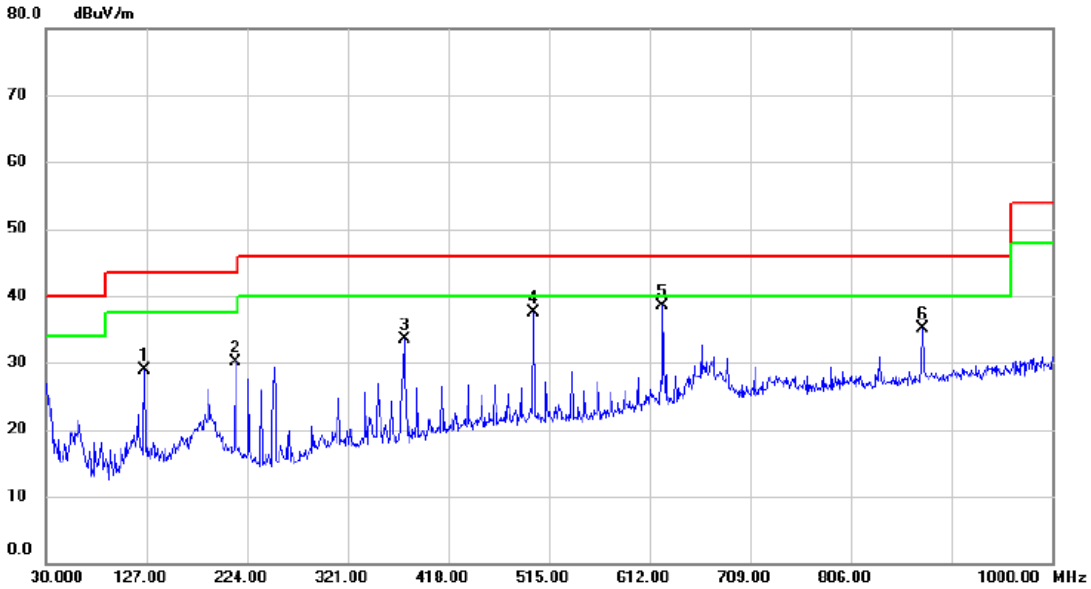
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2803	26.84	20.85	47.69	98.65	-50.96	AVG	
2	*	1.7530	26.42	21.76	48.18	69.54	-21.36	QP	
3		5.7437	23.51	21.84	45.35	69.54	-24.19	QP	

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 G Mode Channel 06

Vertical

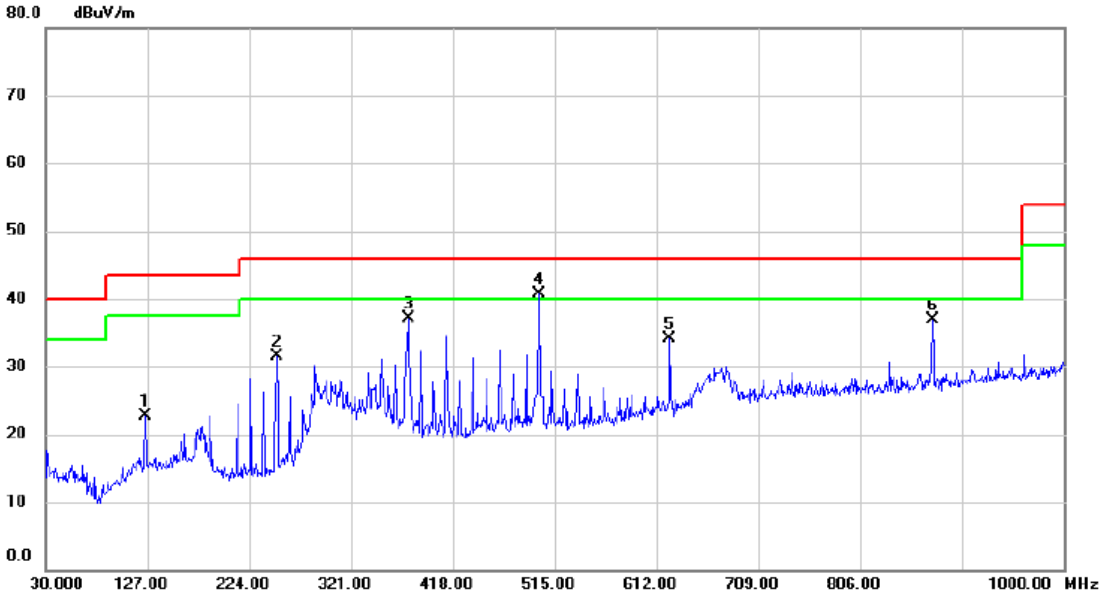


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		125.060	41.66	-12.74	28.92	43.50	-14.58	peak	
2		212.360	45.13	-15.00	30.13	43.50	-13.37	peak	
3		375.320	43.10	-9.59	33.51	46.00	-12.49	peak	
4		500.450	44.69	-7.27	37.42	46.00	-8.58	peak	
5	*	624.610	43.29	-4.82	38.47	46.00	-7.53	peak	
6		874.870	36.57	-1.45	35.12	46.00	-10.88	peak	

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

Test Mode:	TX G Mode Channel 06

Horizontal



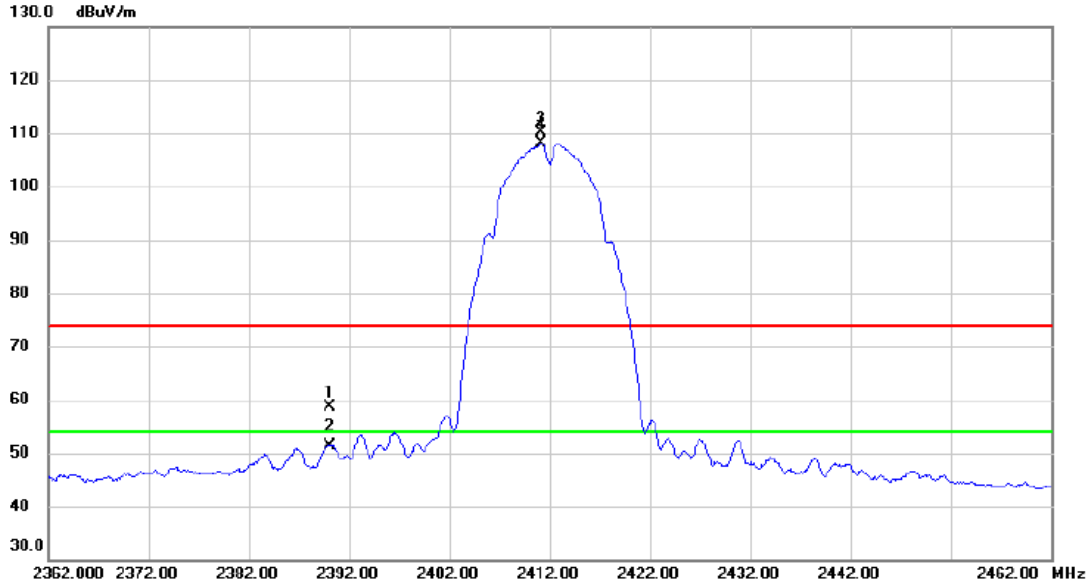
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		125.060	35.38	-12.74	22.64	43.50	-20.86	peak	
2		250.190	44.70	-13.28	31.42	46.00	-14.58	peak	
3		375.320	46.76	-9.59	37.17	46.00	-8.83	peak	
4	*	500.450	47.95	-7.27	40.68	46.00	-5.32	peak	
5		624.610	38.96	-4.82	34.14	46.00	-11.86	peak	
6		874.870	38.31	-1.45	36.86	46.00	-9.14	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

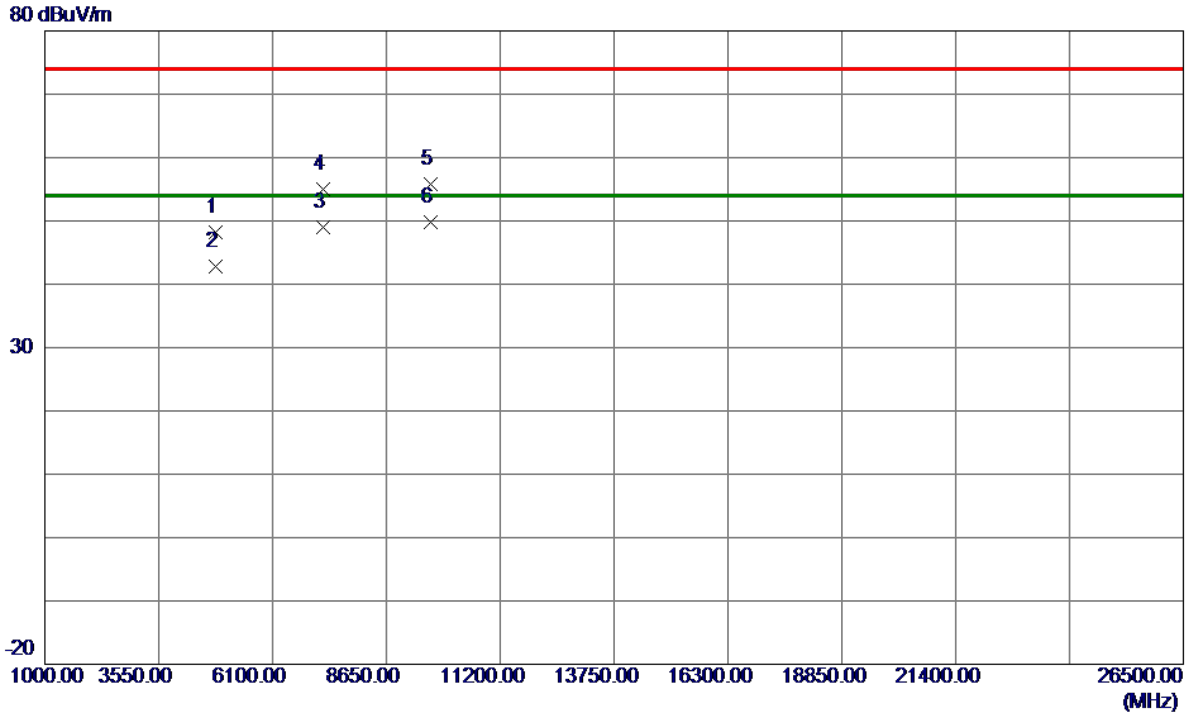


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	49.20	9.34	58.54	74.00	-15.46	peak	
2		2390.000	42.02	9.34	51.36	54.00	-2.64	AVG	
3	X	2411.200	100.78	9.39	110.17	74.00	36.17	peak	No Limit
4	*	2411.200	98.69	9.39	108.08	54.00	54.08	AVG	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

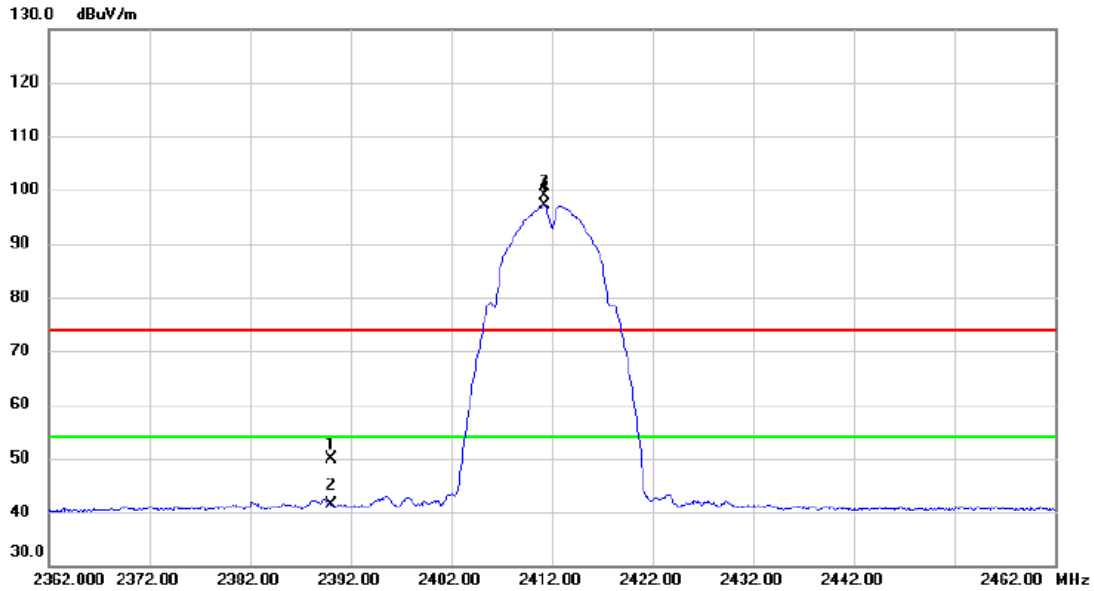


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9550	42.06	6.10	48.16	74.00	-25.84	Peak	
2	4824.0350	36.67	6.10	42.77	54.00	-11.23	AVG	
3	7235.2150	37.57	11.41	48.98	54.00	-5.02	AVG	
4	7235.9050	43.66	11.41	55.07	74.00	-18.93	Peak	
5	9647.8550	42.03	13.84	55.87	74.00	-18.13	Peak	
6 *	9648.0500	35.91	13.84	49.75	54.00	-4.25	AVG	

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

Test Mode:	TX B Mode 2412 MHz

Horizontal

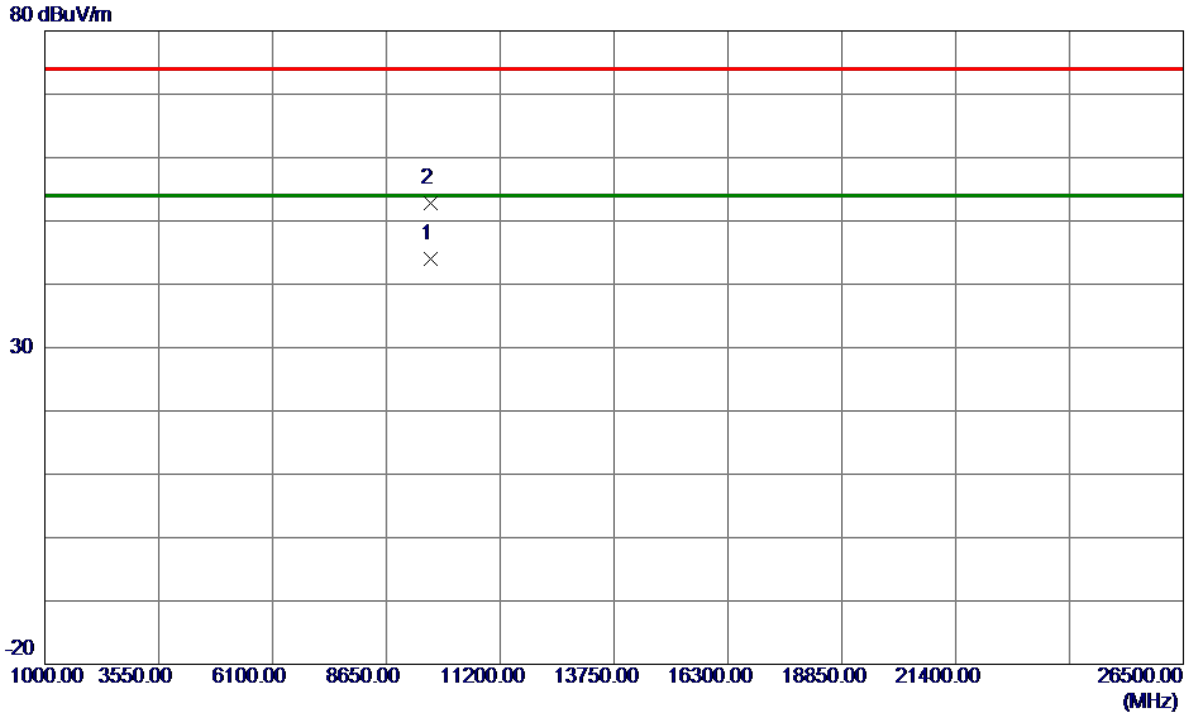


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	40.46	9.34	49.80	74.00	-24.20	peak	
2		2390.000	32.09	9.34	41.43	54.00	-12.57	AVG	
3	X	2411.300	89.56	9.39	98.95	74.00	24.95	peak	No Limit
4	*	2411.300	87.71	9.39	97.10	54.00	43.10	AVG	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

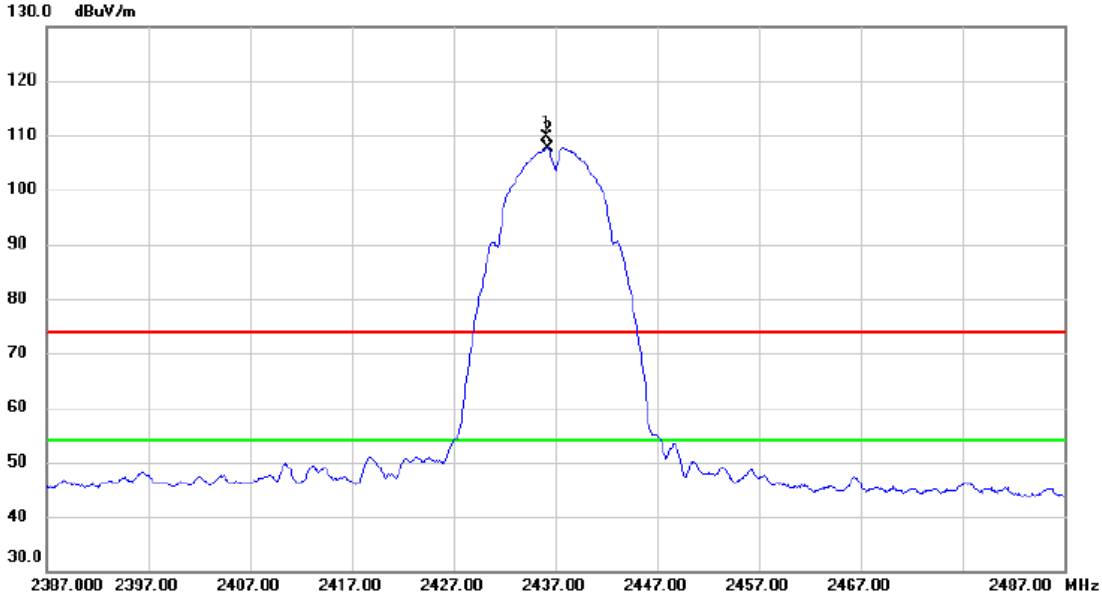


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9647.8500	30.25	13.84	44.09	54.00	-9.91	AVG	
2	9650.1449	39.00	13.84	52.84	74.00	-21.16	Peak	

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

Test Mode:	TX B Mode 2437 MHz

Vertical

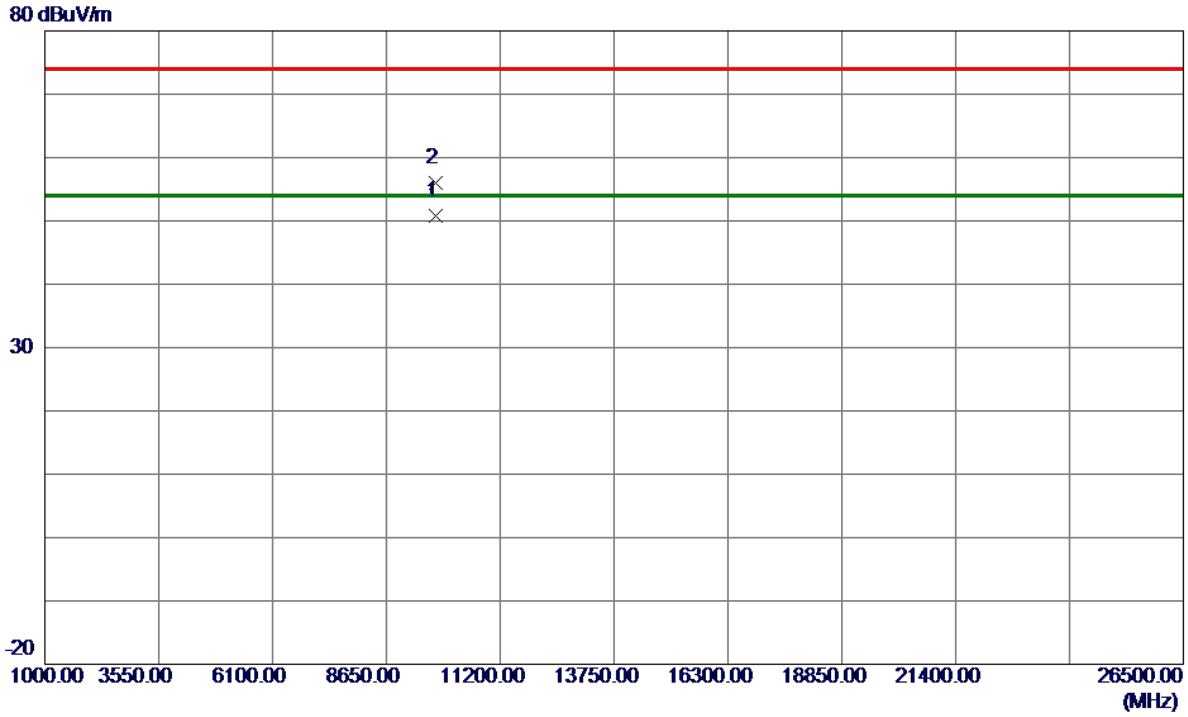


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2436.200	100.26	9.45	109.71	74.00	35.71	peak	No Limit
2	*	2436.300	98.25	9.45	107.70	54.00	53.70	AVG	No Limit

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

Test Mode:	TX B Mode 2437 MHz

Vertical

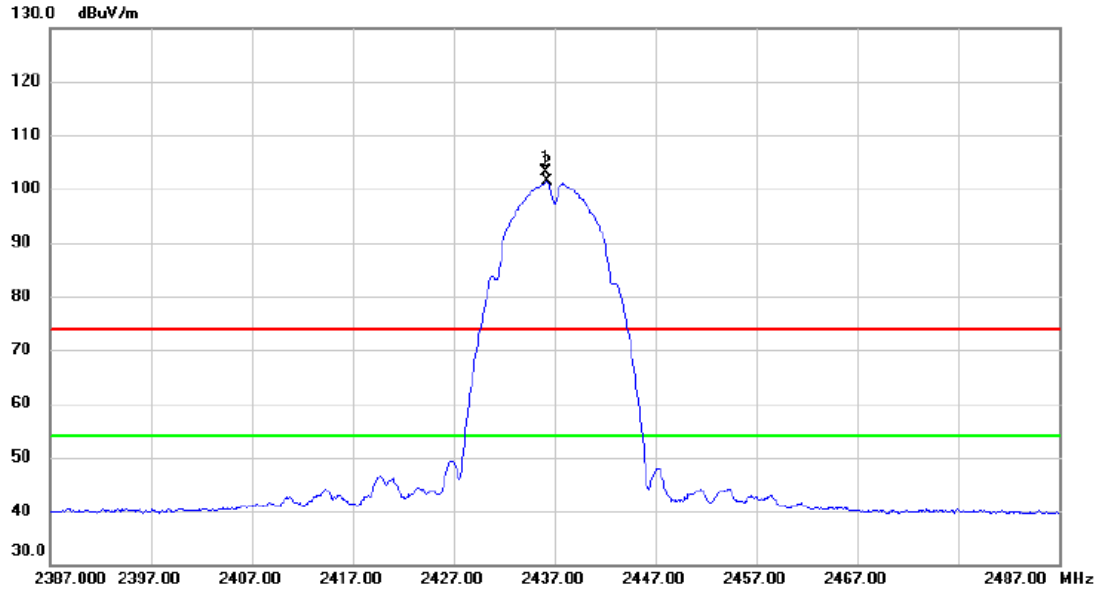


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9748.0400	36.78	13.97	50.75	54.00	-3.25	AVG	
2	9748.1650	42.03	13.97	56.00	74.00	-18.00	Peak	

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

Test Mode:	TX B Mode 2437 MHz

Horizontal

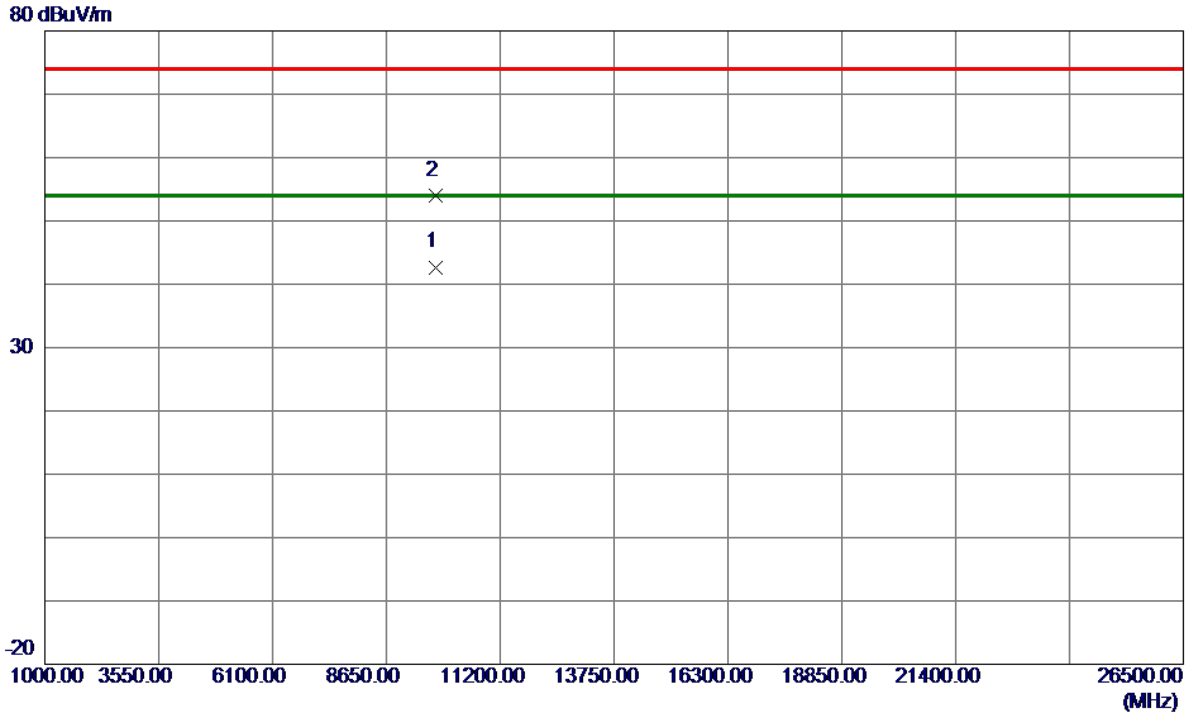


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2436.200	94.85	8.34	103.19	74.00	29.19	peak	No Limit
2	*	2436.300	92.97	8.34	101.31	54.00	47.31	AVG	No Limit

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

Test Mode:	TX B Mode 2437 MHz

Horizontal

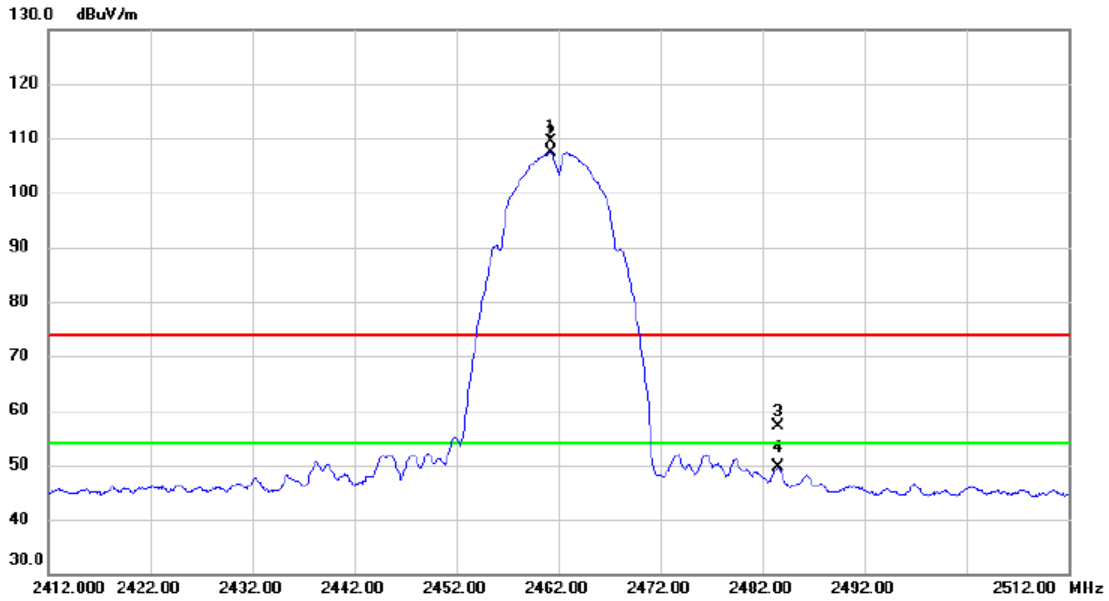


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9748.0550	29.73	12.97	42.70	54.00	-11.30	AVG	
2	9750.3600	40.98	12.97	53.95	74.00	-20.05	Peak	

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

Test Mode:	TX B Mode 2462 MHz

Vertical

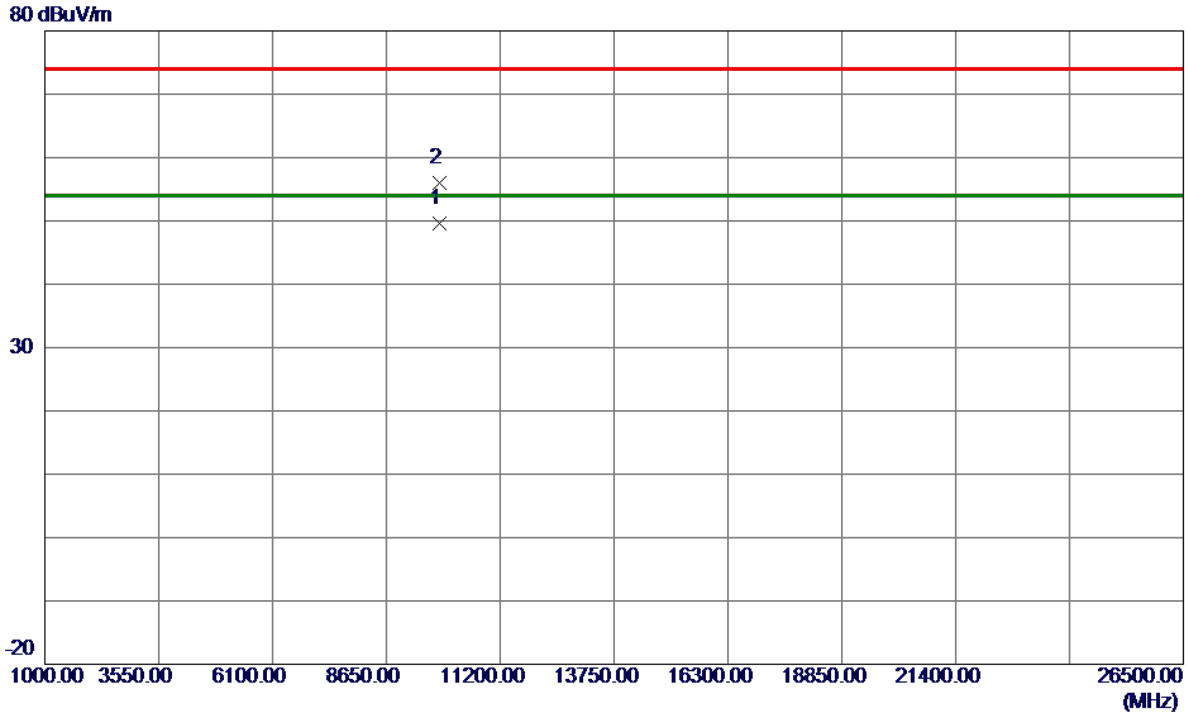


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2461.300	99.93	9.51	109.44	74.00	35.44	peak	No Limit
2	*	2461.300	97.91	9.51	107.42	54.00	53.42	AVG	No Limit
3		2483.500	47.59	9.57	57.16	74.00	-16.84	peak	
4		2483.500	40.07	9.57	49.64	54.00	-4.36	AVG	

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

Test Mode:	TX B Mode 2462 MHz

Vertical

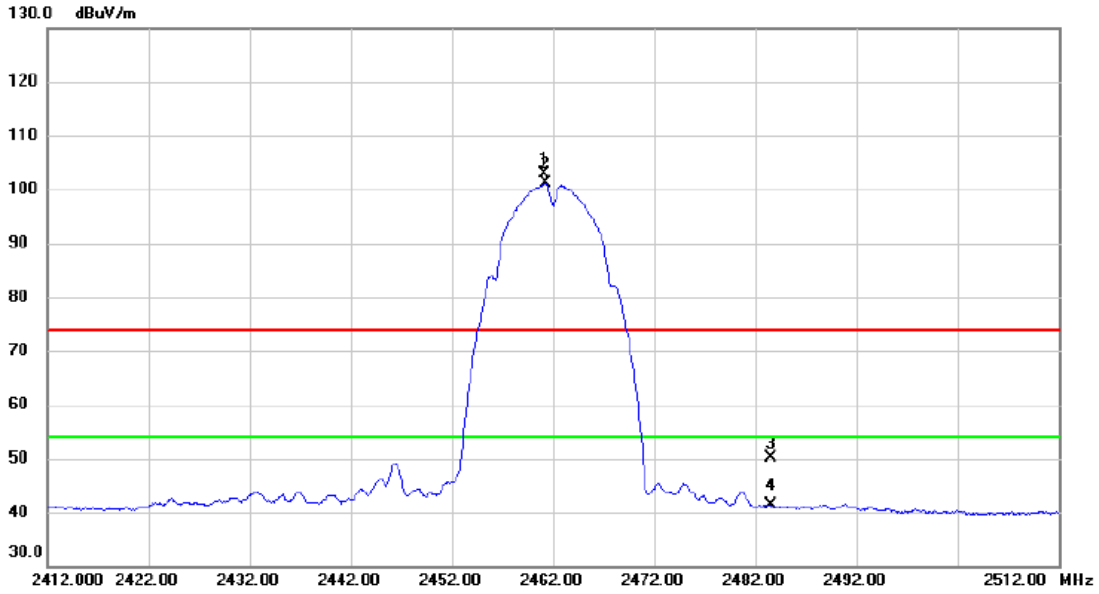


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9848.0199	35.51	14.09	49.60	54.00	-4.40	AVG	
2	9848.2500	41.85	14.09	55.94	74.00	-18.06	Peak	

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

Test Mode:	TX B Mode 2462 MHz

Horizontal

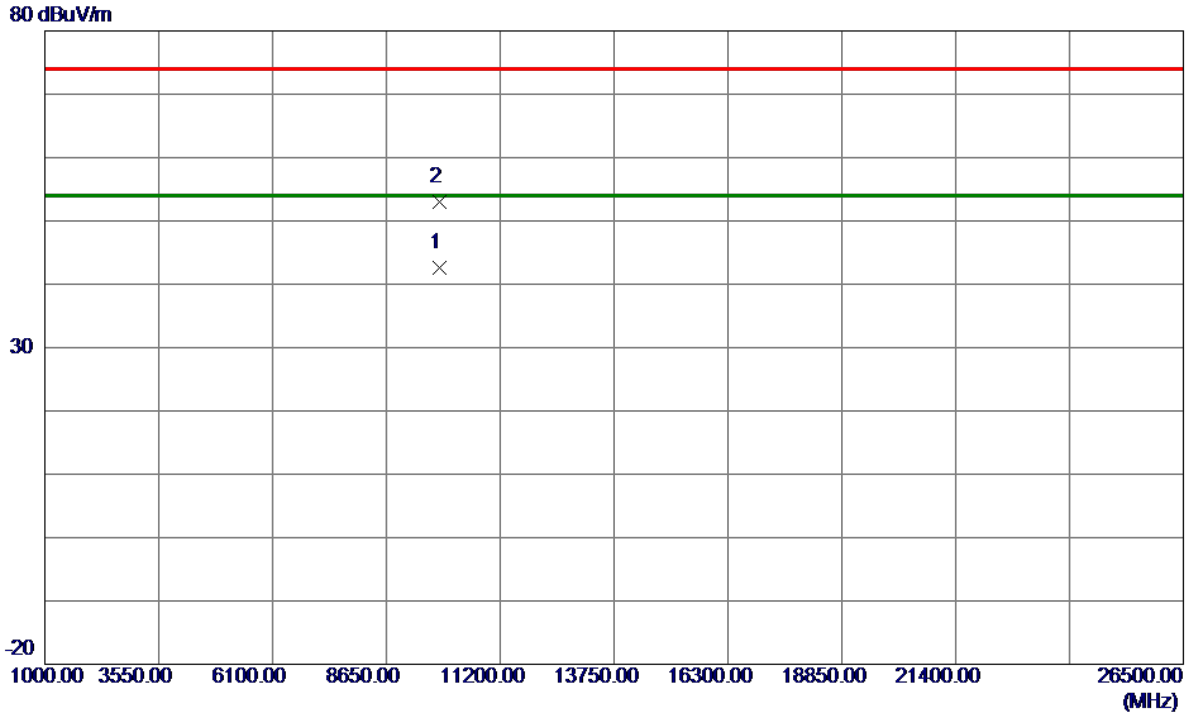


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2461.200	94.59	8.37	102.96	74.00	28.96	peak	No Limit
2	*	2461.300	92.67	8.37	101.04	54.00	47.04	AVG	No Limit
3		2483.500	41.71	8.39	50.10	74.00	-23.90	peak	
4		2483.500	32.94	8.39	41.33	54.00	-12.67	AVG	

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

Test Mode:	TX B Mode 2462 MHz

Horizontal

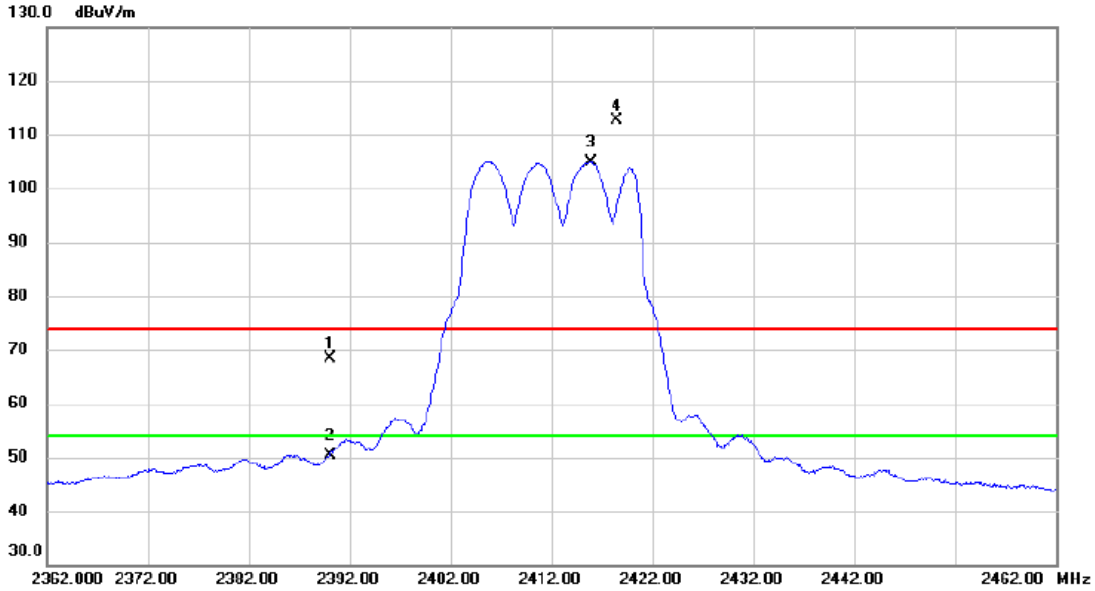


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9848.0250	29.56	13.05	42.61	54.00	-11.39	AVG	
2	9849.9000	39.89	13.05	52.94	74.00	-21.06	Peak	

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

Test Mode:	TX G Mode 2412 MHz

Vertical

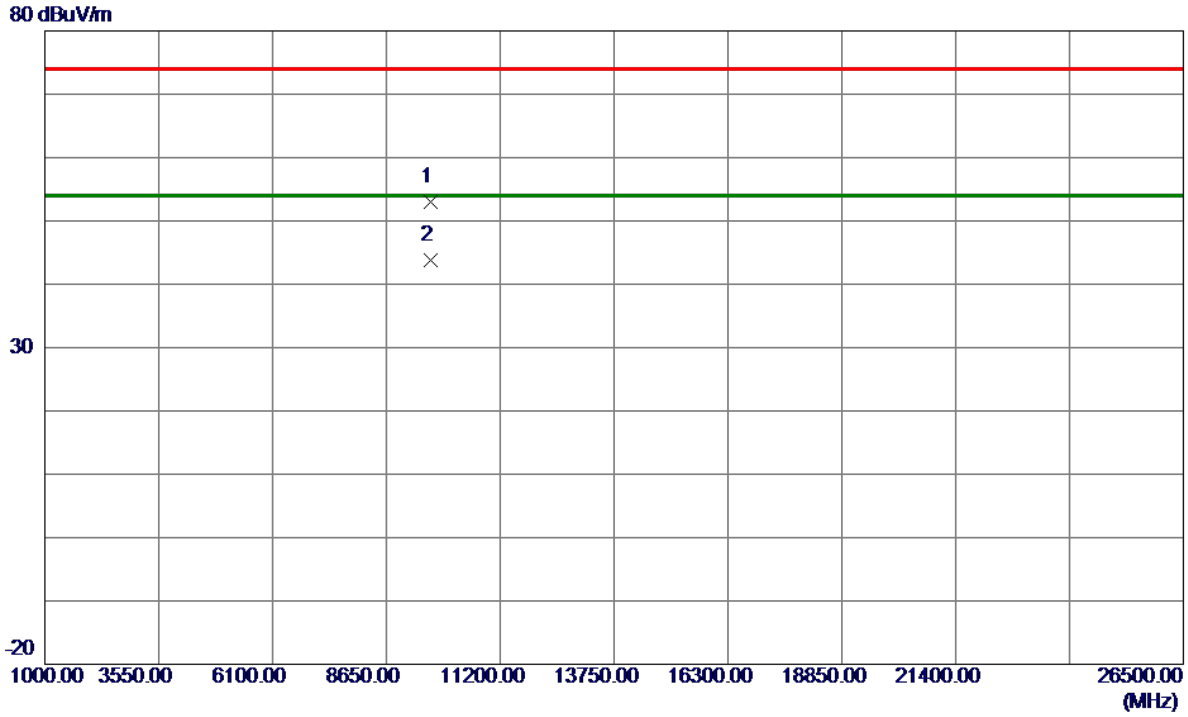


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	60.09	8.29	68.38	74.00	-5.62	peak	
2		2390.000	42.12	8.29	50.41	54.00	-3.59	AVG	
3	*	2415.900	96.59	8.32	104.91	54.00	50.91	AVG	No Limit
4	X	2418.500	104.21	8.32	112.53	74.00	38.53	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

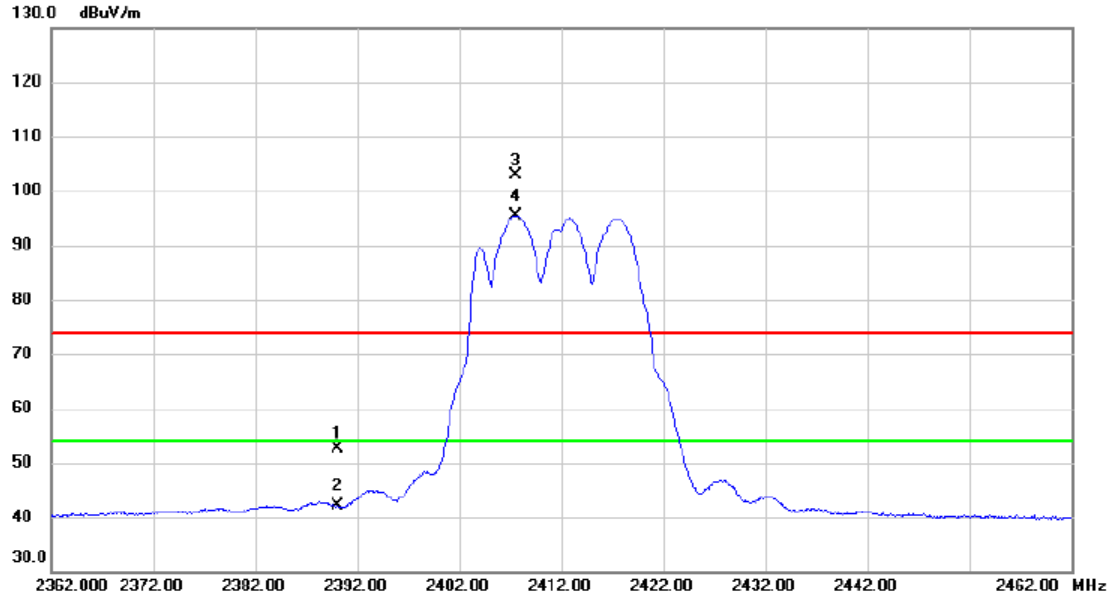


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9647.8550	39.17	13.84	53.01	74.00	-20.99	Peak	
2 *	9648.0650	29.94	13.84	43.78	54.00	-10.22	AVG	

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

Test Mode:	TX G Mode 2412 MHz

Horizontal

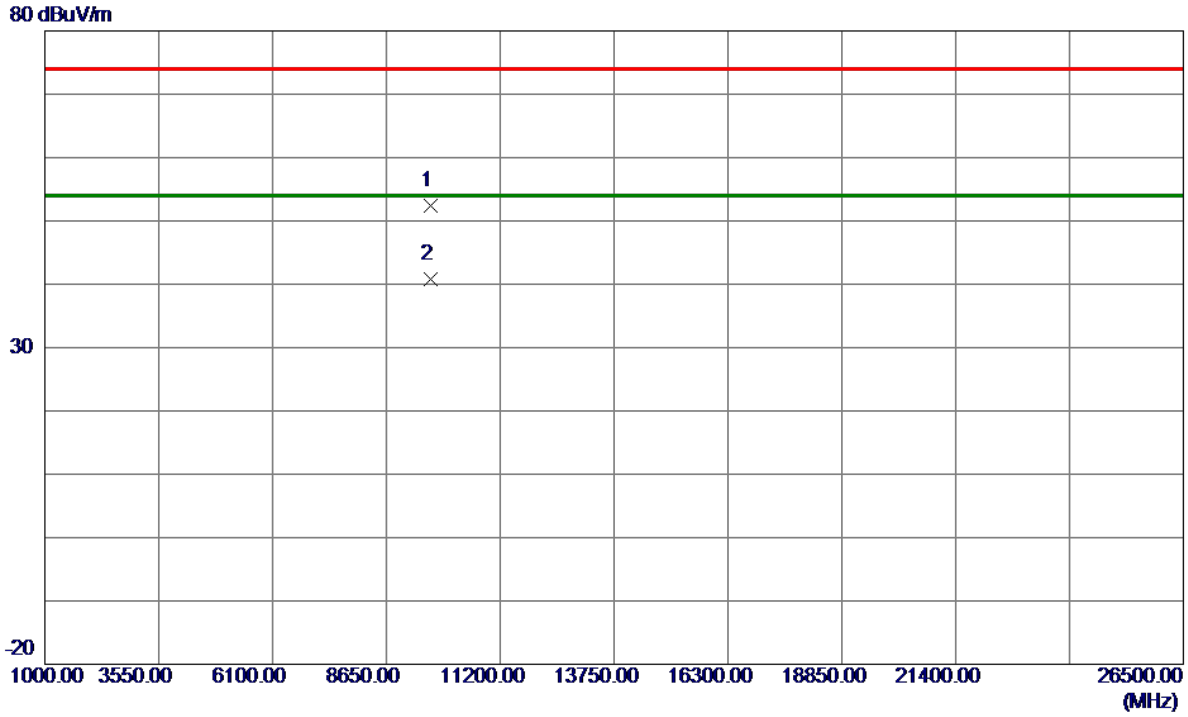


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	44.43	8.29	52.72	74.00	-21.28	peak	
2		2390.000	33.88	8.29	42.17	54.00	-11.83	AVG	
3	X	2407.600	94.50	8.30	102.80	74.00	28.80	peak	No Limit
4	*	2407.600	87.16	8.30	95.46	54.00	41.46	AVG	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

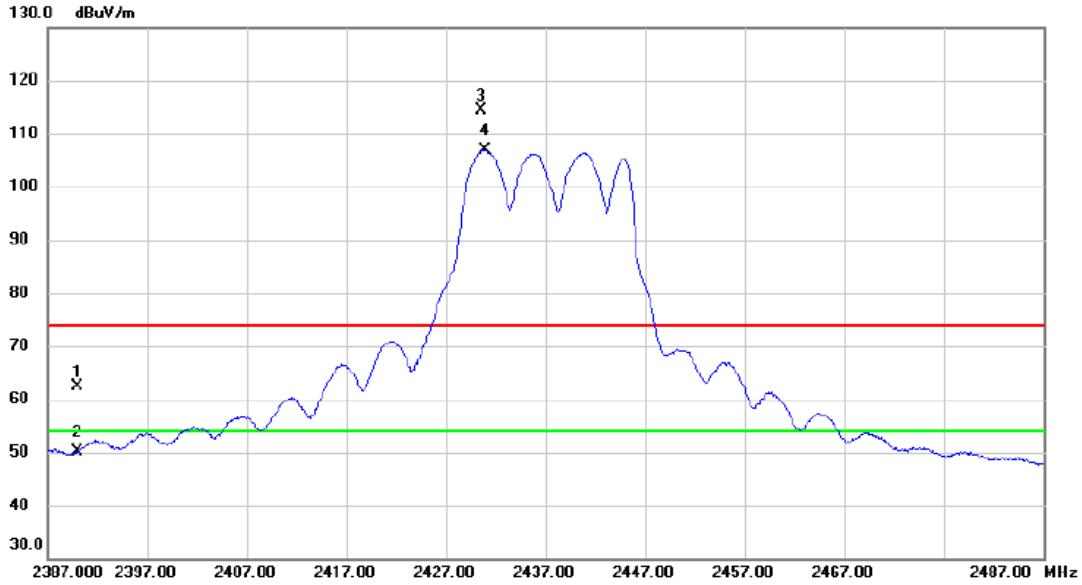


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9645.5400	39.60	12.88	52.48	74.00	-21.52	Peak	
2 *	9650.4550	27.93	12.88	40.81	54.00	-13.19	AVG	

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

Test Mode:	TX G Mode 2437 MHz

Vertical

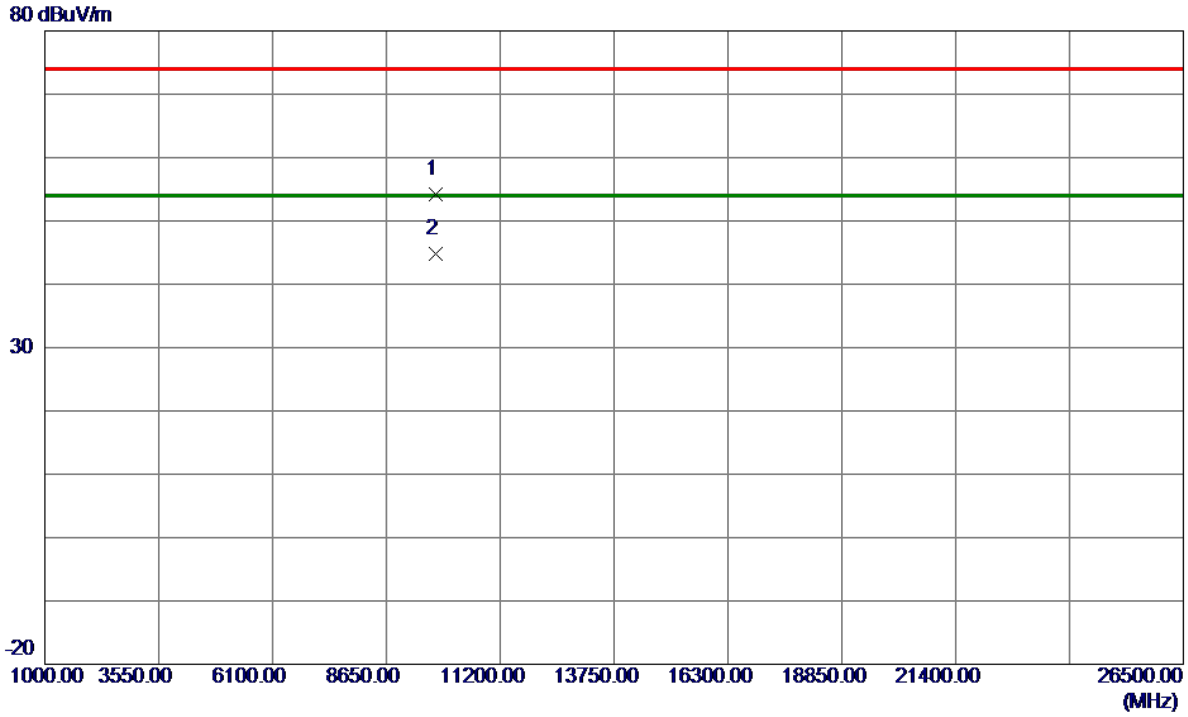


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	53.97	8.29	62.26	74.00	-11.74	peak	
2		2390.000	41.88	8.29	50.17	54.00	-3.83	AVG	
3	X	2430.600	106.03	8.32	114.35	74.00	40.35	peak	No Limit
4	*	2430.900	98.62	8.32	106.94	54.00	52.94	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

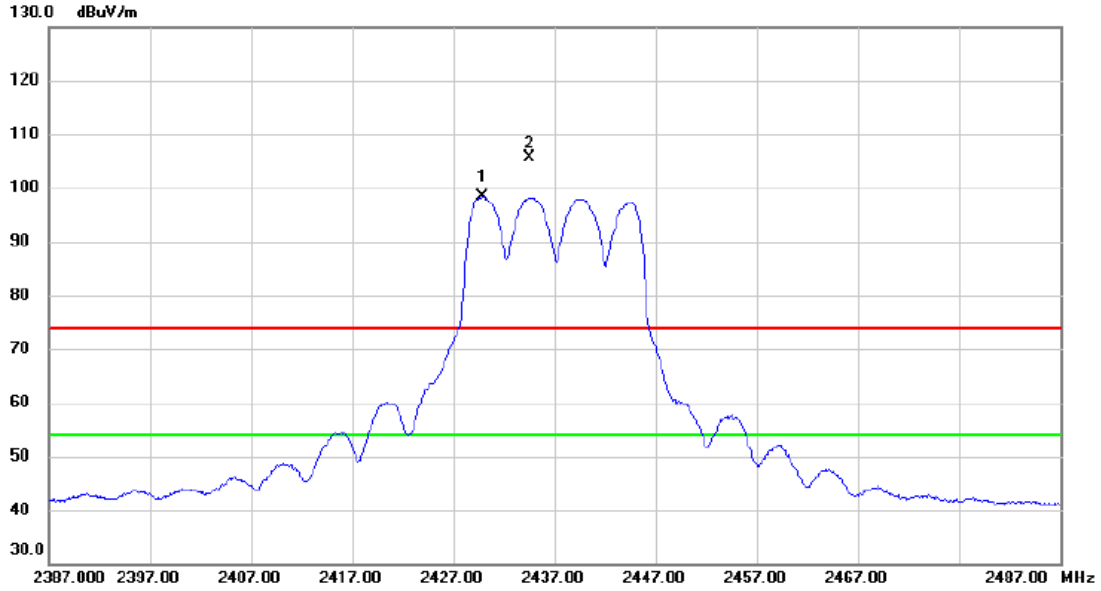


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9747.9050	40.22	13.96	54.18	74.00	-19.82	Peak	
2 *	9747.9050	30.92	13.96	44.88	54.00	-9.12	AVG	

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

Test Mode:	TX G Mode 2437 MHz

Horizontal

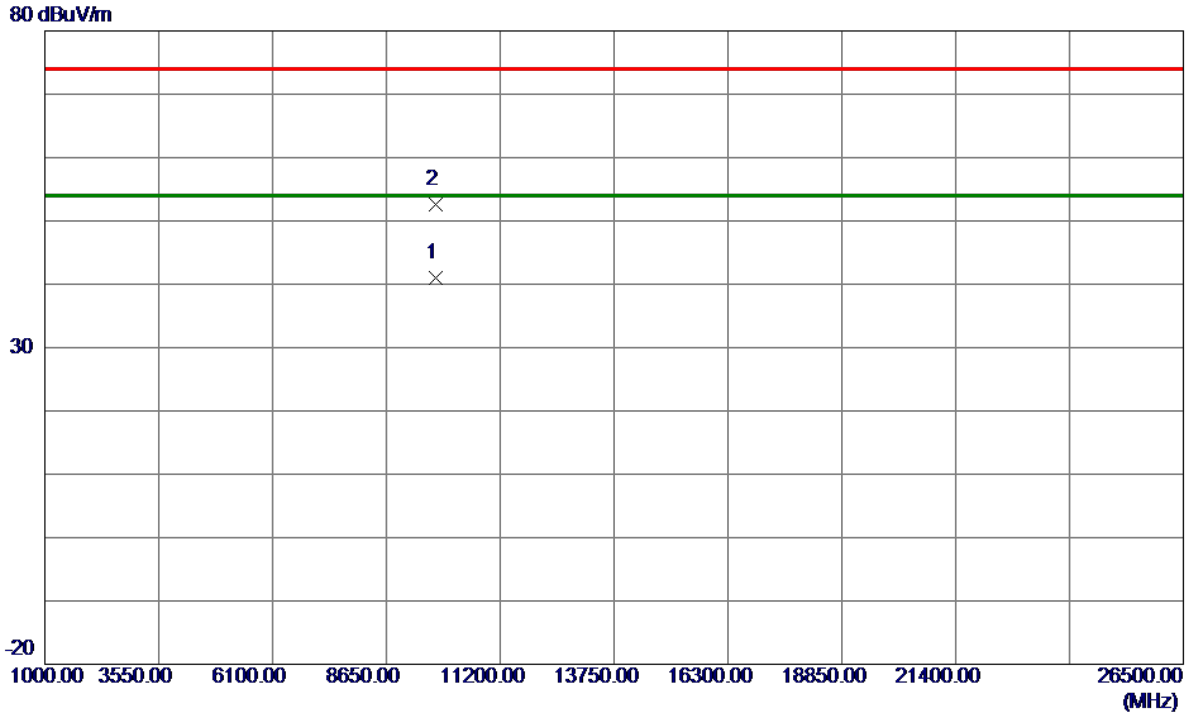


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2429.900	90.04	8.32	98.36	54.00	44.36	AVG	No Limit
2	X	2434.600	97.39	8.34	105.73	74.00	31.73	peak	No Limit

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

Test Mode:	TX G Mode 2437 MHz

Horizontal

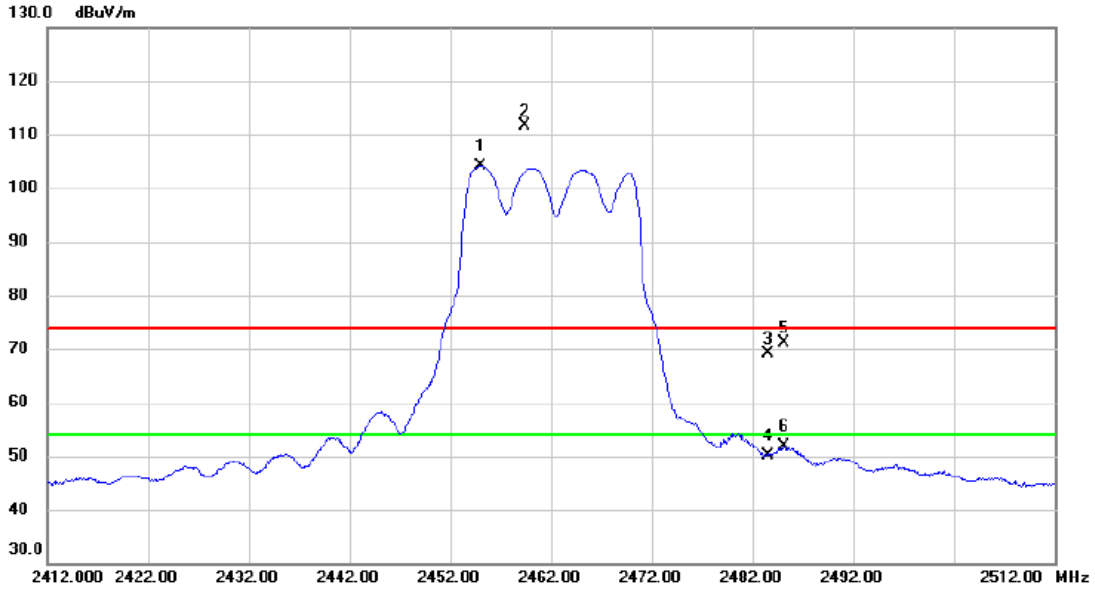


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9749.2400	27.99	12.97	40.96	54.00	-13.04	AVG	
2	9749.7200	39.67	12.97	52.64	74.00	-21.36	Peak	

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

Test Mode:	TX G Mode 2462 MHz

Vertical

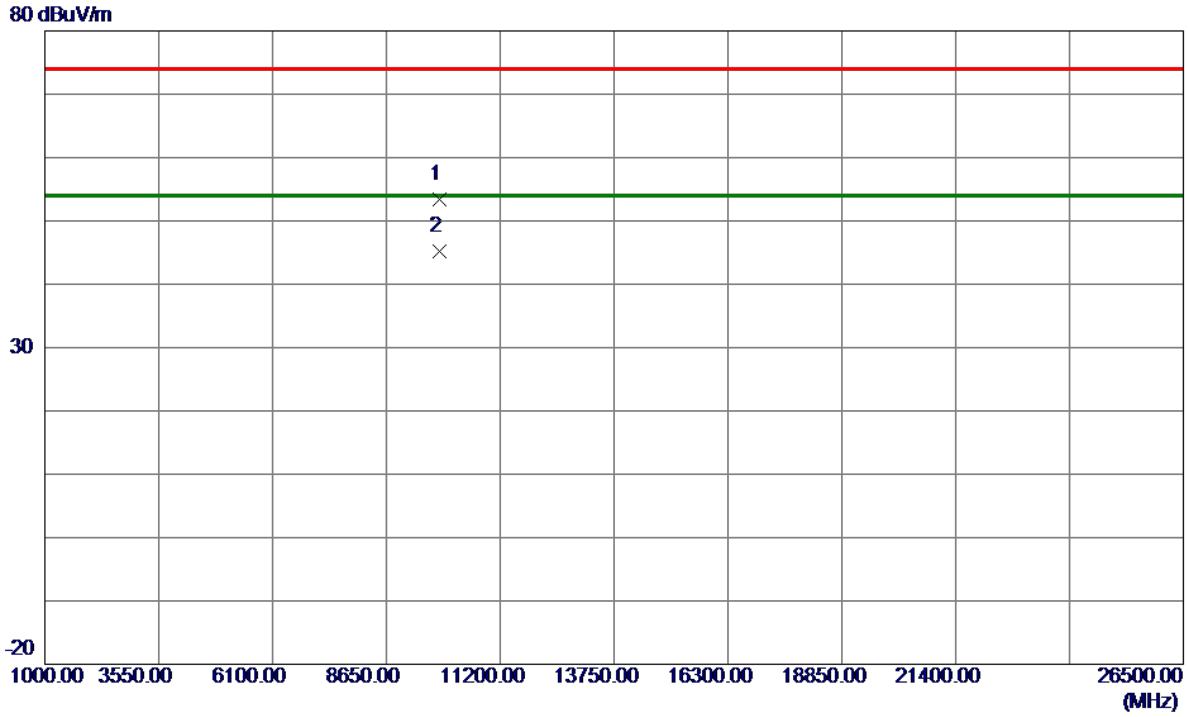


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2455.000	95.84	8.35	104.19	54.00	50.19	AVG	No Limit
2	X	2459.400	103.21	8.37	111.58	74.00	37.58	peak	No Limit
3		2483.500	60.79	8.39	69.18	74.00	-4.82	peak	
4		2483.500	41.73	8.39	50.12	54.00	-3.88	AVG	
5		2485.100	62.78	8.39	71.17	74.00	-2.83	peak	
6		2485.100	43.42	8.39	51.81	54.00	-2.19	AVG	

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

Test Mode:	TX G Mode 2462 MHz

Vertical

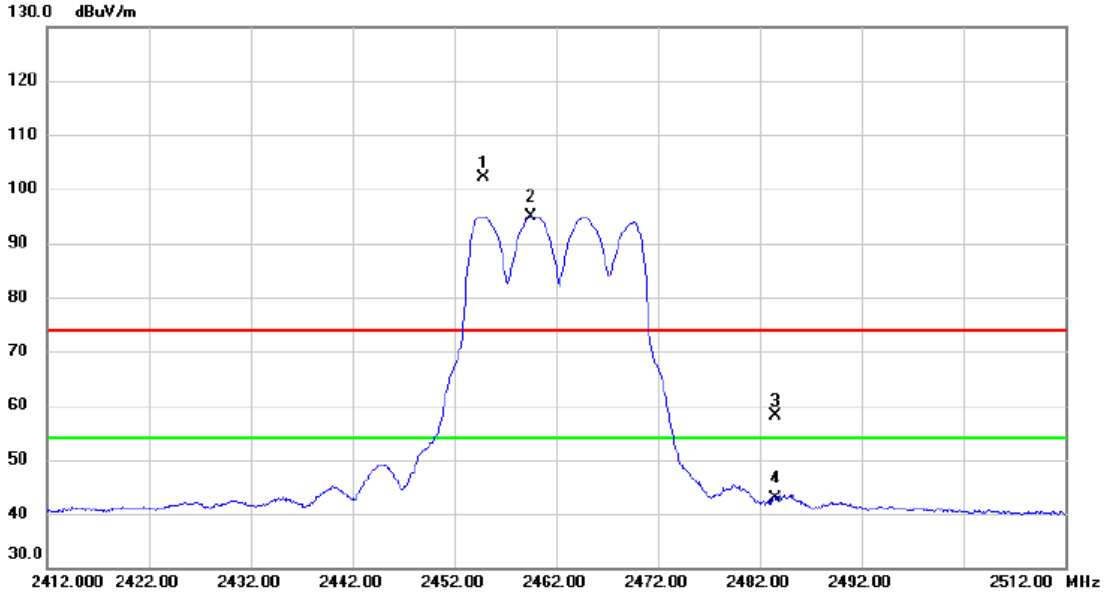


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9847.9900	39.34	14.09	53.43	74.00	-20.57	Peak	
2 *	9848.0199	31.17	14.09	45.26	54.00	-8.74	AVG	

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

Test Mode:	TX G Mode 2462 MHz

Horizontal

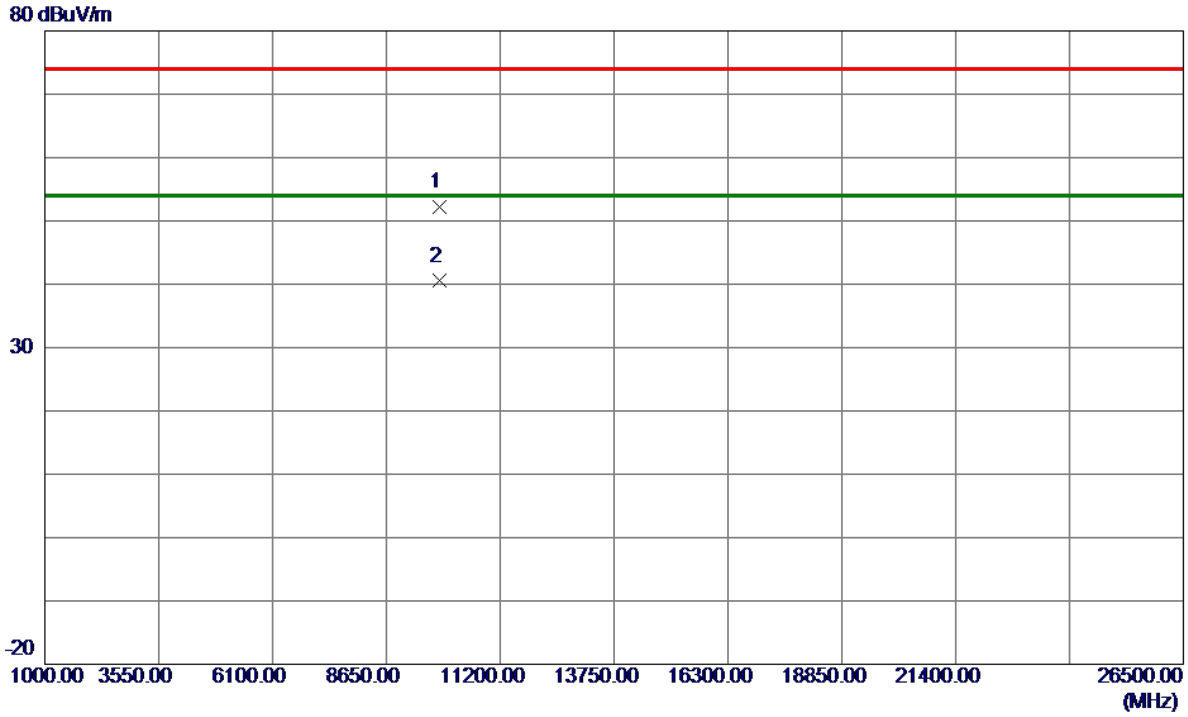


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2454.800	93.84	8.35	102.19	74.00	28.19	peak	No Limit
2	*	2459.600	86.60	8.37	94.97	54.00	40.97	AVG	No Limit
3		2483.500	49.74	8.39	58.13	74.00	-15.87	peak	
4		2483.500	34.44	8.39	42.83	54.00	-11.17	AVG	

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

Test Mode:	TX G Mode 2462 MHz

Horizontal

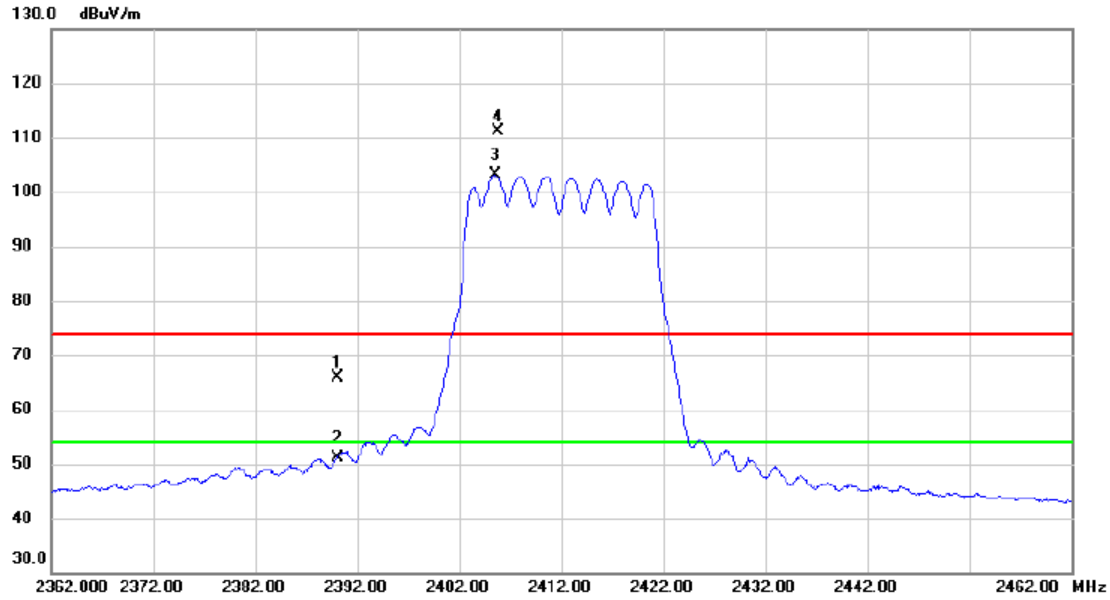


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9849.6900	39.24	13.05	52.29	74.00	-21.71	Peak	
2 *	9849.9250	27.45	13.05	40.50	54.00	-13.50	AVG	

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

Test Mode:	TX N-20M Mode 2412 MHz

Vertical

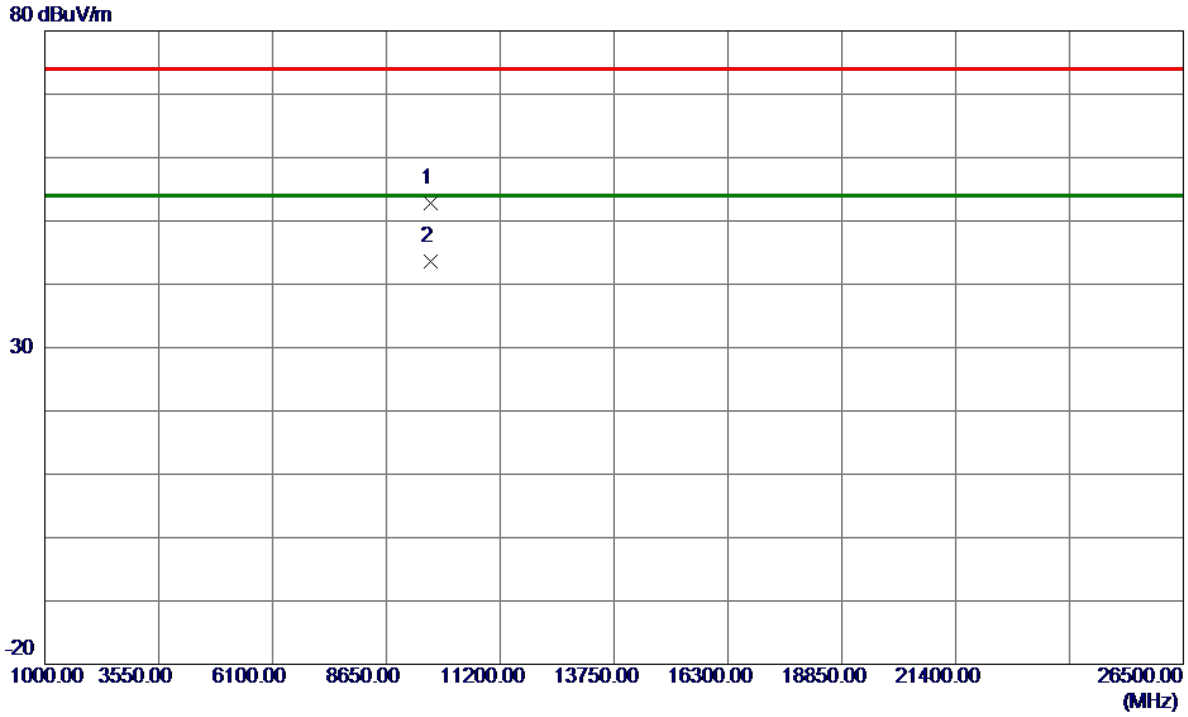


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	57.47	8.29	65.76	74.00	-8.24	peak	
2		2390.000	42.77	8.29	51.06	54.00	-2.94	AVG	
3	*	2405.500	94.74	8.30	103.04	54.00	49.04	AVG	No Limit
4	X	2405.800	102.77	8.30	111.07	74.00	37.07	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

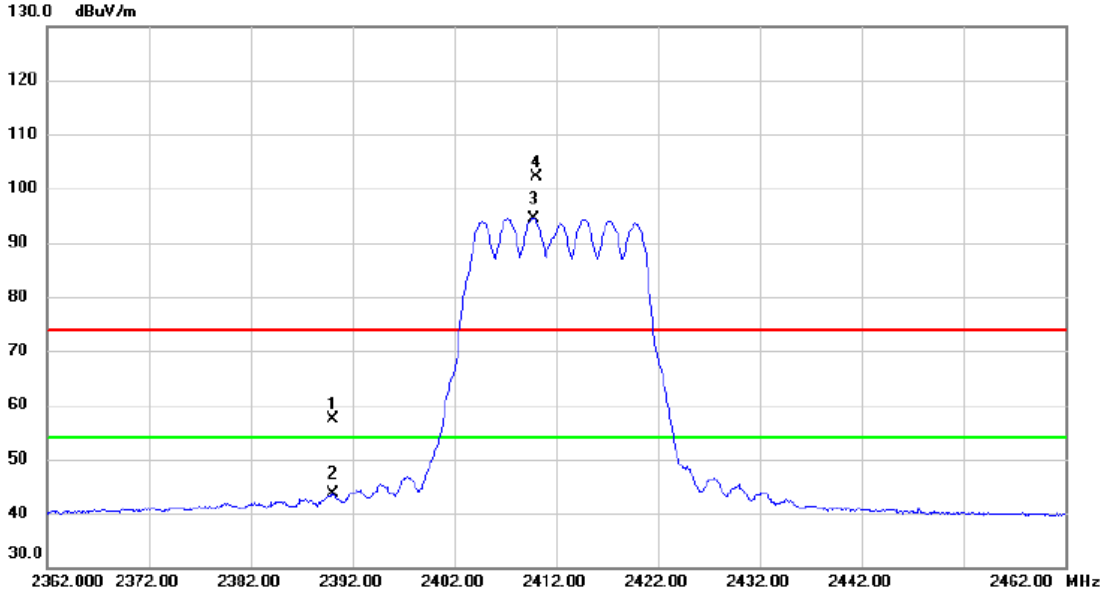


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9647.7450	39.00	13.84	52.84	74.00	-21.16	Peak	
2 *	9647.9750	29.79	13.84	43.63	54.00	-10.37	AVG	

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

Test Mode:	TX N-20M Mode 2412 MHz

Horizontal

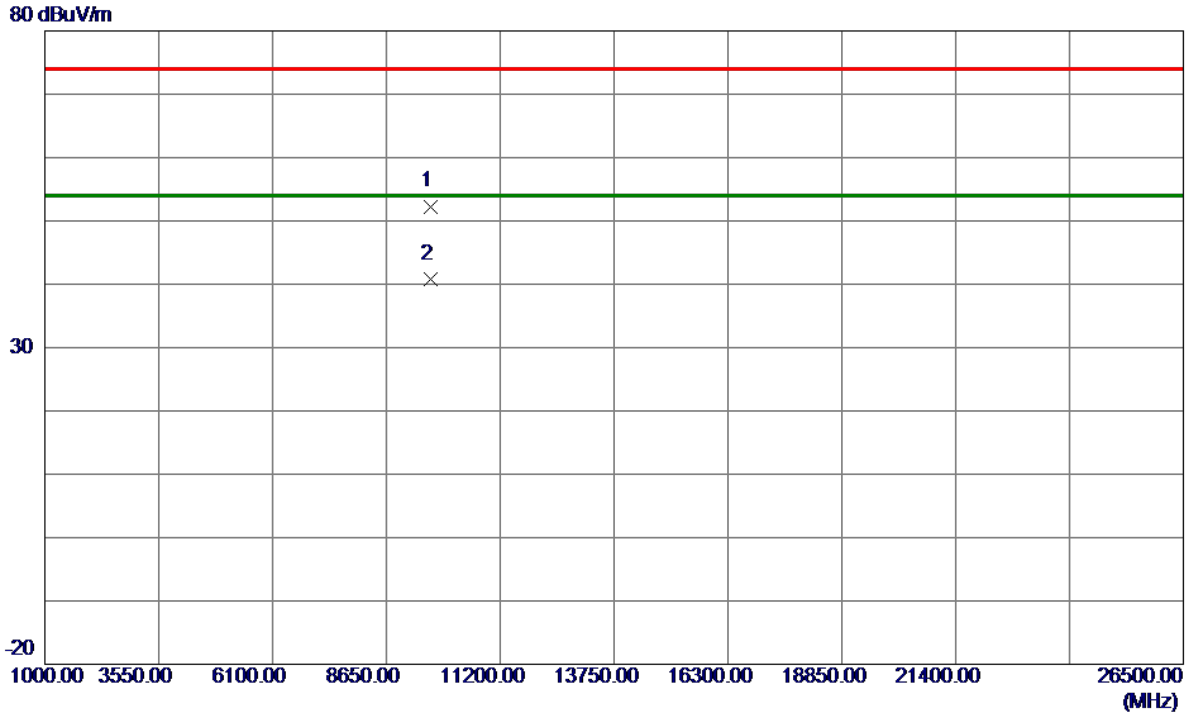


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	49.03	8.29	57.32	74.00	-16.68	peak	
2		2390.000	35.37	8.29	43.66	54.00	-10.34	AVG	
3	*	2409.800	86.11	8.31	94.42	54.00	40.42	AVG	No Limit
4	X	2410.100	93.80	8.31	102.11	74.00	28.11	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

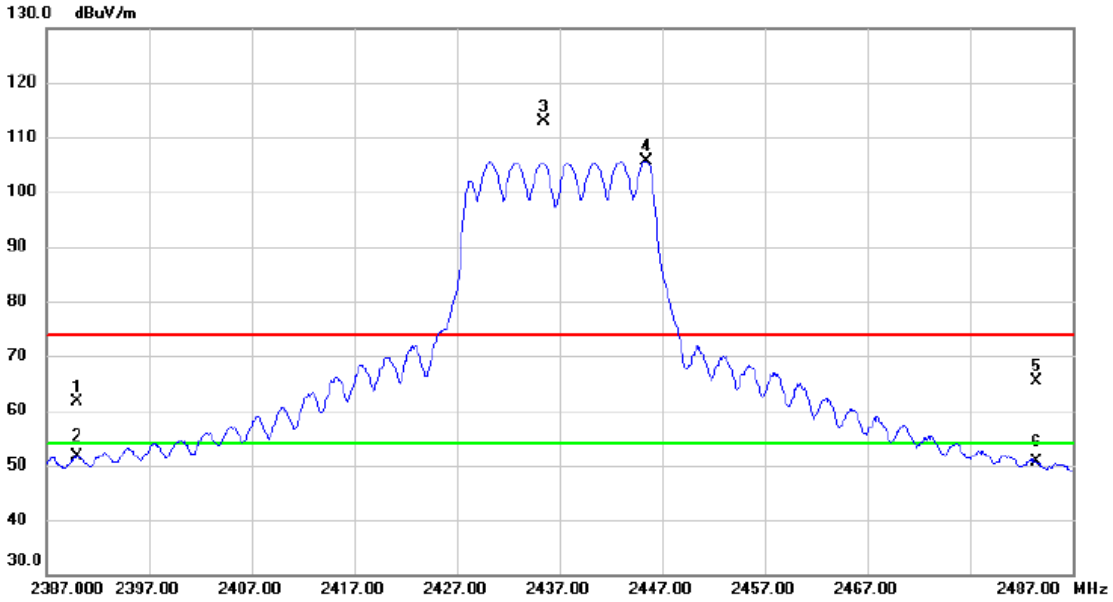


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9648.0150	39.42	12.88	52.30	74.00	-21.70	Peak	
2 *	9648.3200	28.01	12.88	40.89	54.00	-13.11	AVG	

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

Test Mode:	TX N-20M Mode 2437 MHz

Vertical

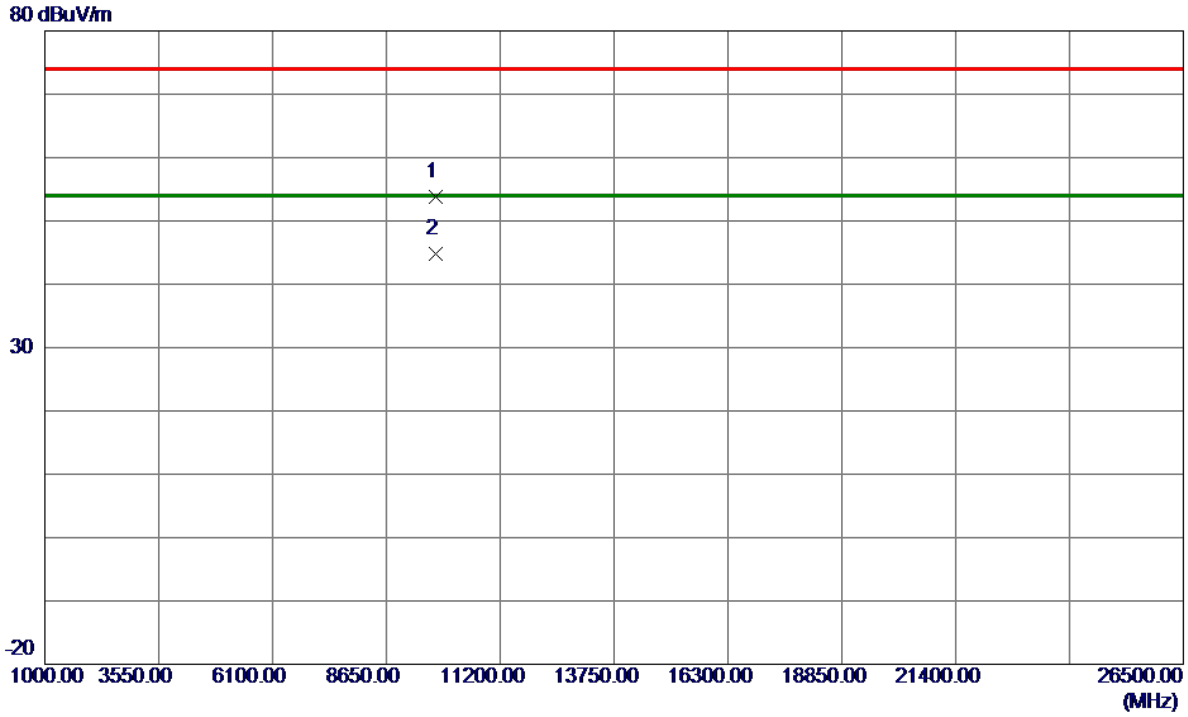


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	53.24	8.29	61.53	74.00	-12.47	peak	
2		2390.000	43.35	8.29	51.64	54.00	-2.36	AVG	
3	*	2435.500	104.56	8.34	112.90	74.00	38.90	peak	No Limit
4	X	2445.400	97.34	8.35	105.69	74.00	31.69	peak	No Limit
5		2483.500	56.98	8.39	65.37	74.00	-8.63	peak	
6		2483.500	42.32	8.39	50.71	54.00	-3.29	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

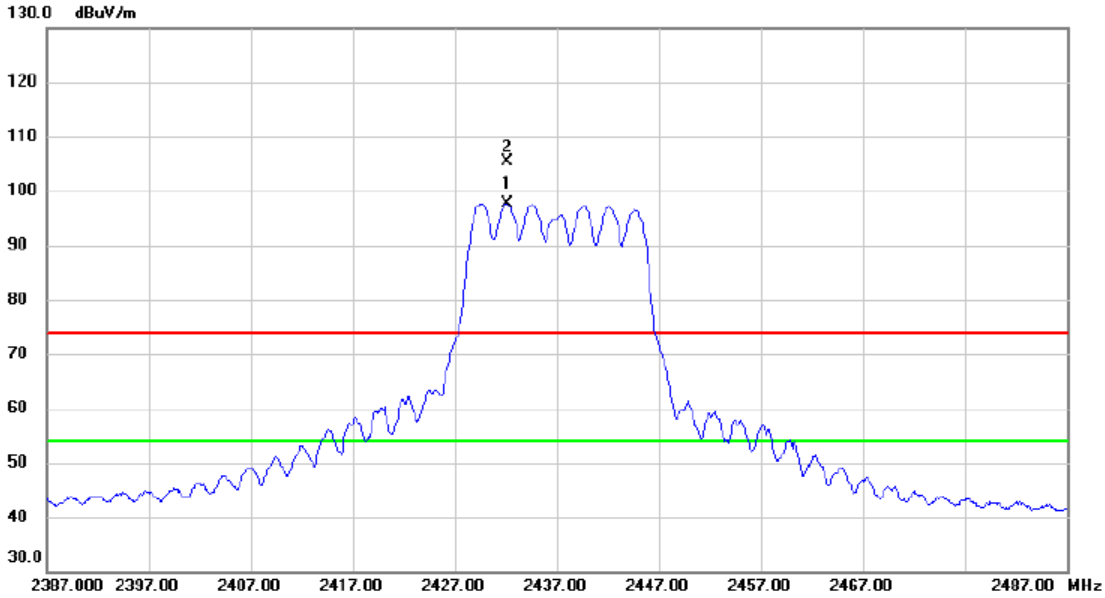


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9747.6100	39.75	13.96	53.71	74.00	-20.29	Peak	
2 *	9747.9600	30.78	13.96	44.74	54.00	-9.26	AVG	

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

Test Mode:	TX N-20M Mode 2437 MHz

Horizontal

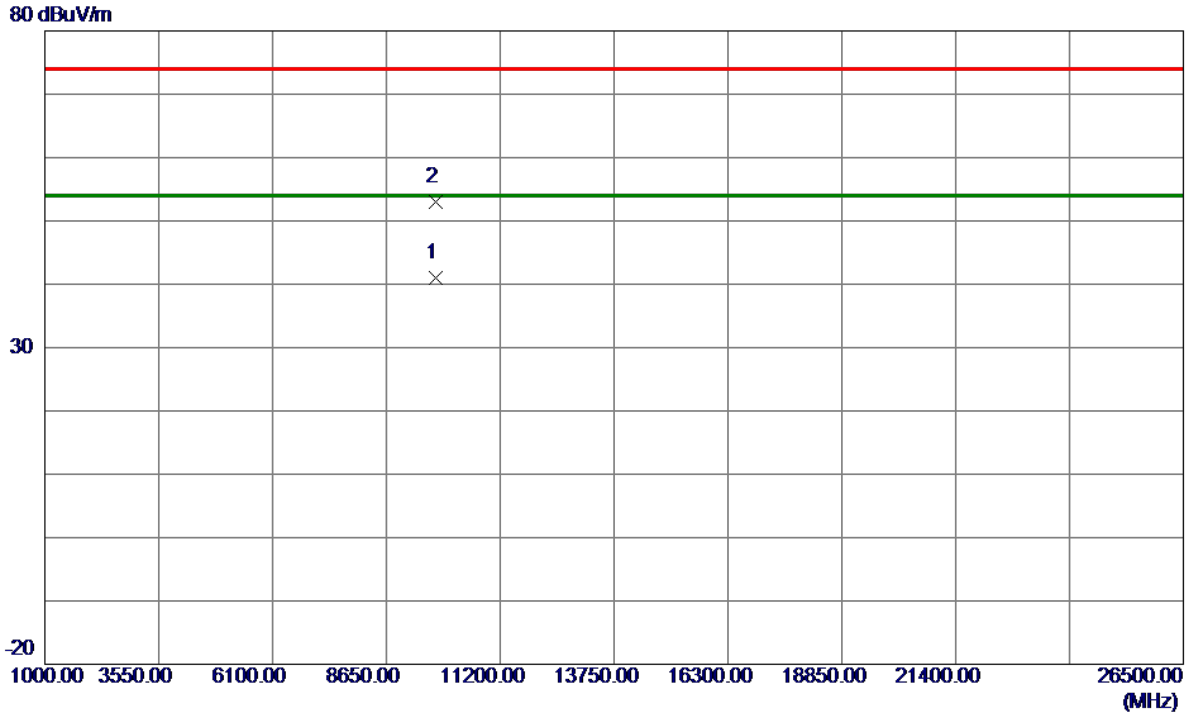


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2432.100	89.36	8.32	97.68	54.00	43.68	AVG	No Limit
2	X	2432.200	97.12	8.32	105.44	74.00	31.44	peak	No Limit

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

Test Mode:	TX N-20M Mode 2437 MHz

Horizontal

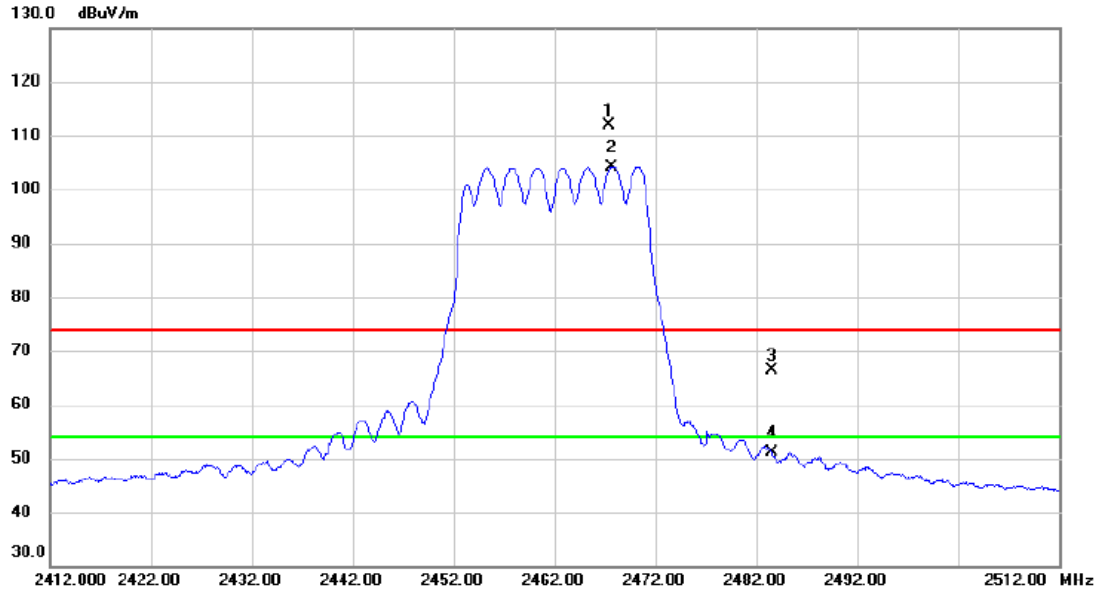


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9745.9600	27.95	12.96	40.91	54.00	-13.09	AVG	
2	9747.0150	39.97	12.96	52.93	74.00	-21.07	Peak	

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

Test Mode:	TX N-20M Mode 2462 MHz

Vertical

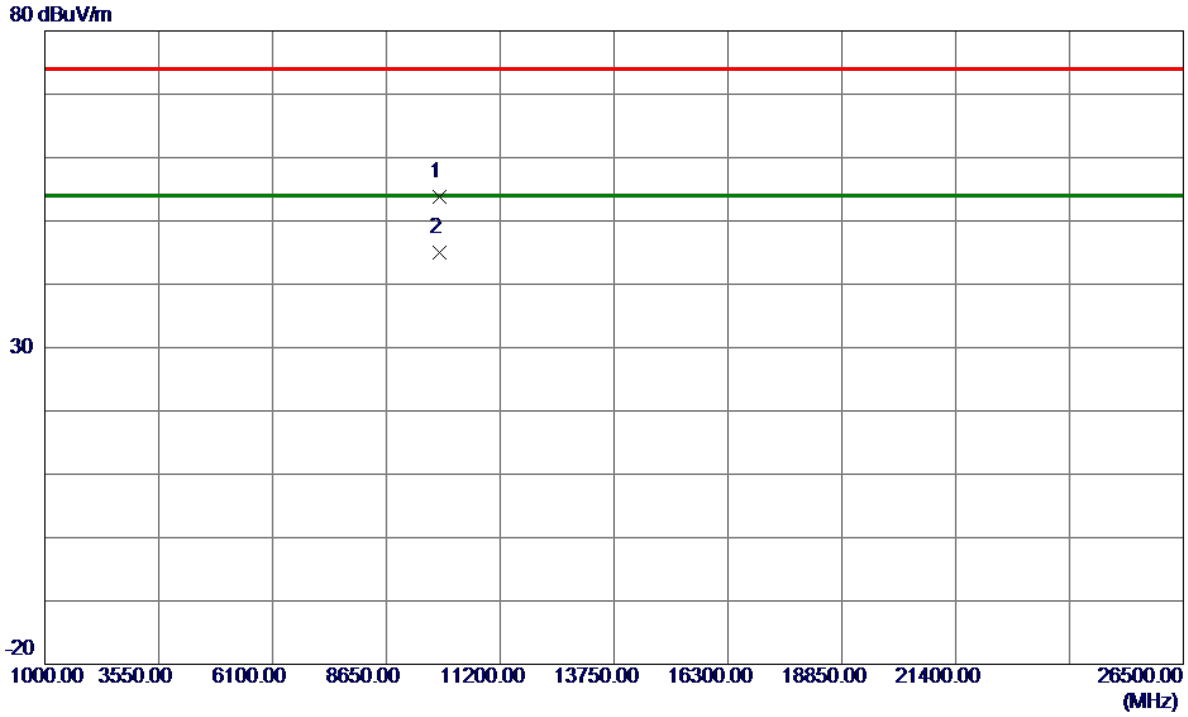


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2467.400	103.59	8.37	111.96	74.00	37.96	peak	No Limit
2	*	2467.700	95.88	8.37	104.25	54.00	50.25	AVG	No Limit
3		2483.500	58.11	8.39	66.50	74.00	-7.50	peak	
4		2483.500	42.71	8.39	51.10	54.00	-2.90	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

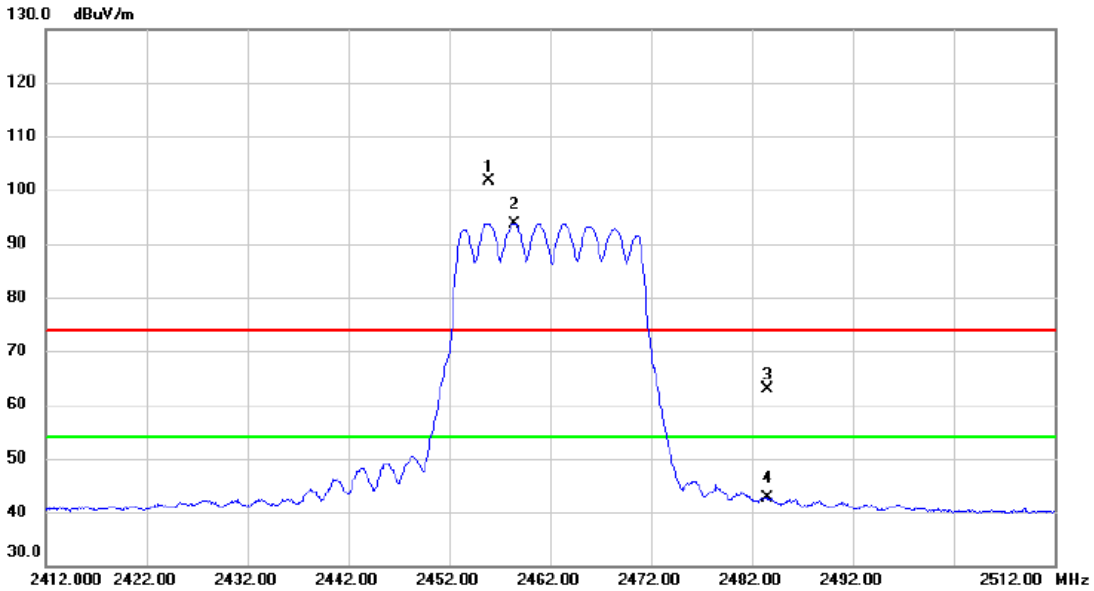


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9847.9349	39.70	14.09	53.79	74.00	-20.21	Peak	
2 *	9848.0550	30.88	14.09	44.97	54.00	-9.03	AVG	

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

Test Mode:	TX N-20M Mode 2462 MHz

Horizontal

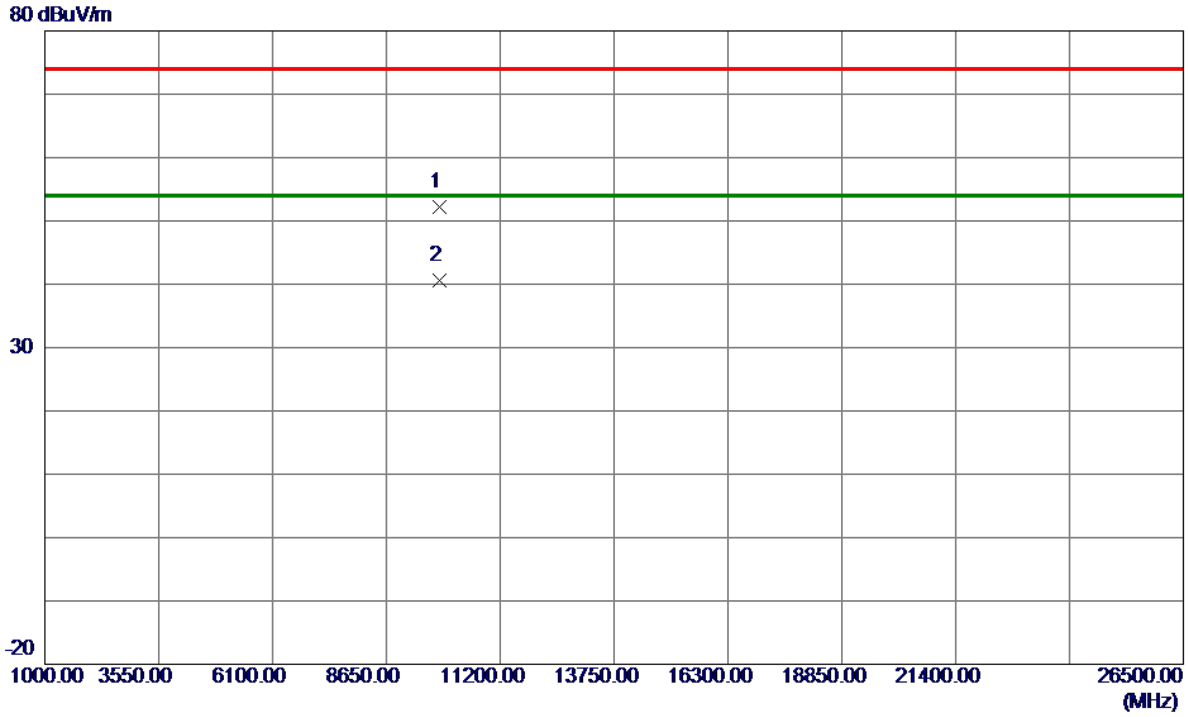


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2455.900	93.17	8.36	101.53	74.00	27.53	peak	No Limit
2	*	2458.500	85.38	8.37	93.75	54.00	39.75	AVG	No Limit
3		2483.500	54.48	8.39	62.87	74.00	-11.13	peak	
4		2483.500	34.17	8.39	42.56	54.00	-11.44	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

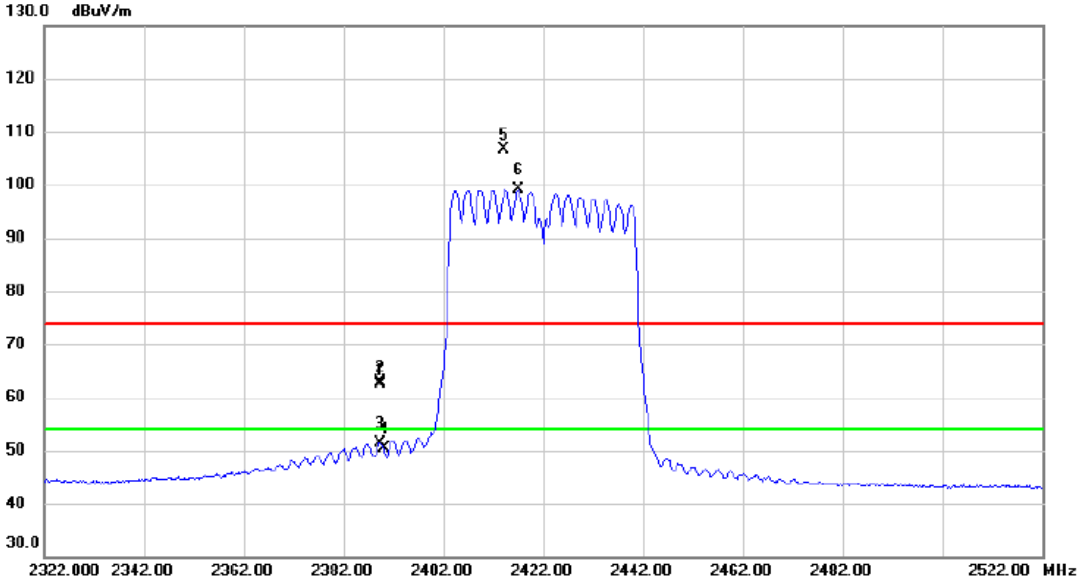


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9846.9100	39.12	13.05	52.17	74.00	-21.83	Peak	
2 *	9849.7250	27.48	13.05	40.53	54.00	-13.47	AVG	

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

Test Mode:	TX N-40M Mode 2422MHz

Vertical

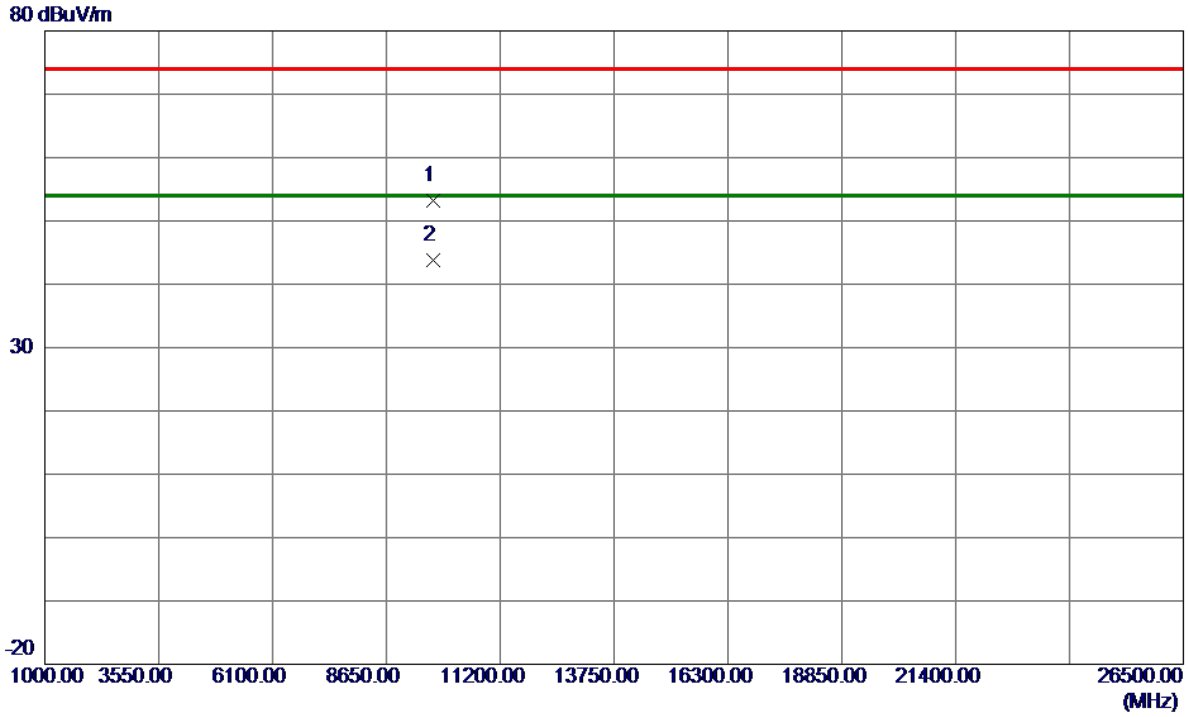


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.400	53.11	9.34	62.45	74.00	-11.55	peak	
2		2389.400	53.65	9.34	62.99	74.00	-11.01	peak	
3		2389.400	42.00	9.34	51.34	54.00	-2.66	AVG	
4		2390.000	41.08	9.34	50.42	54.00	-3.58	AVG	
5	X	2414.200	97.20	9.40	106.60	74.00	32.60	peak	No Limit
6	*	2417.000	89.65	9.40	99.05	54.00	45.05	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

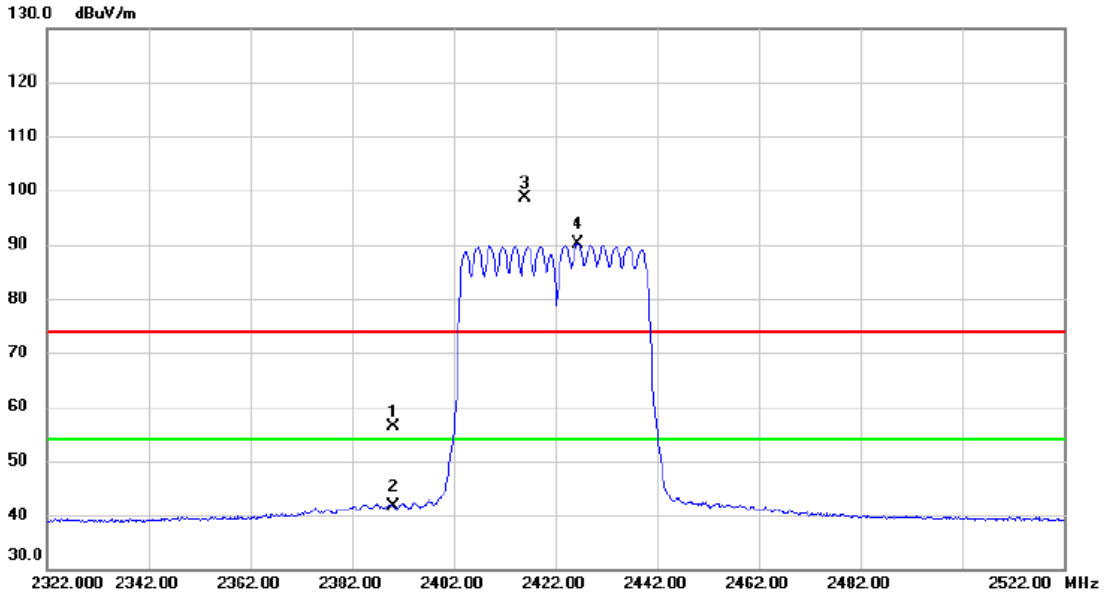


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9687.9300	39.28	13.89	53.17	74.00	-20.83	Peak	
2 *	9687.9450	29.98	13.89	43.87	54.00	-10.13	AVG	

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

Test Mode:	TX N-40M Mode 2422MHz

Horizontal

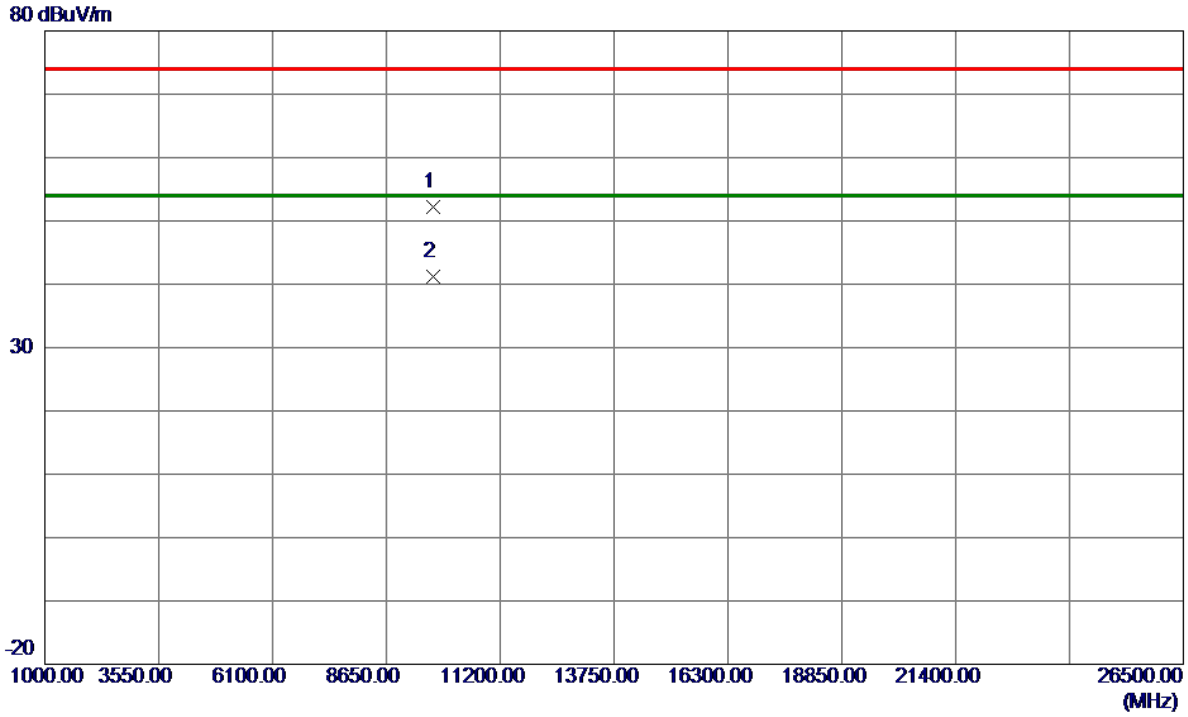


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	48.13	8.29	56.42	74.00	-17.58	peak	
2		2390.000	33.32	8.29	41.61	54.00	-12.39	AVG	
3	X	2416.000	90.22	8.32	98.54	74.00	24.54	peak	No Limit
4	*	2426.400	81.83	8.32	90.15	54.00	36.15	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

Horizontal

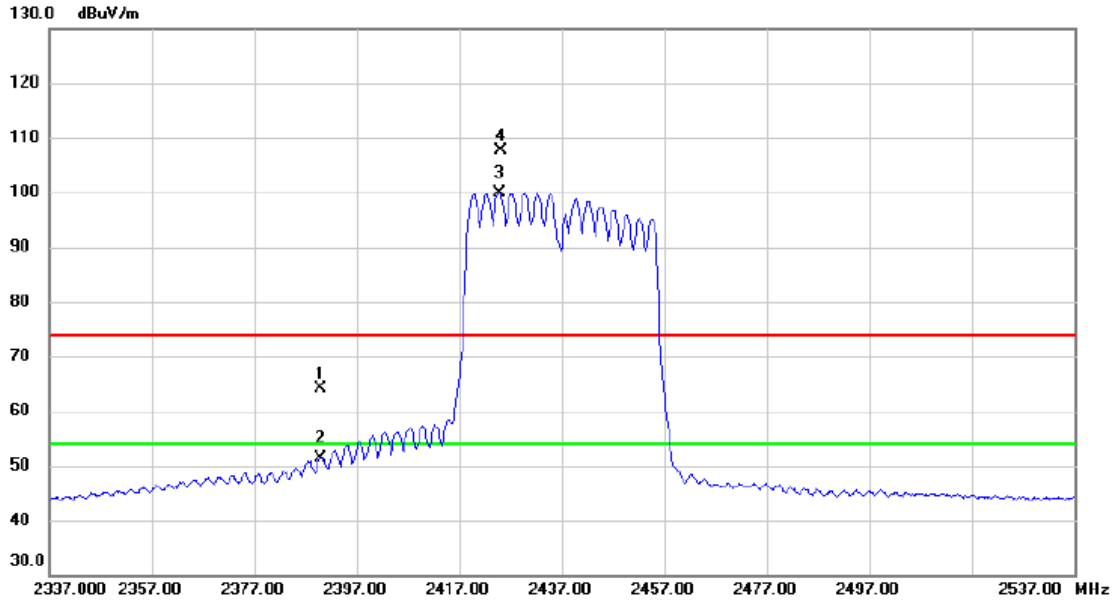


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9686.2000	39.27	12.91	52.18	74.00	-21.82	Peak	
2 *	9689.7650	28.30	12.92	41.22	54.00	-12.78	AVG	

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

Test Mode:	TX N-40M Mode 2437 MHz

Vertical

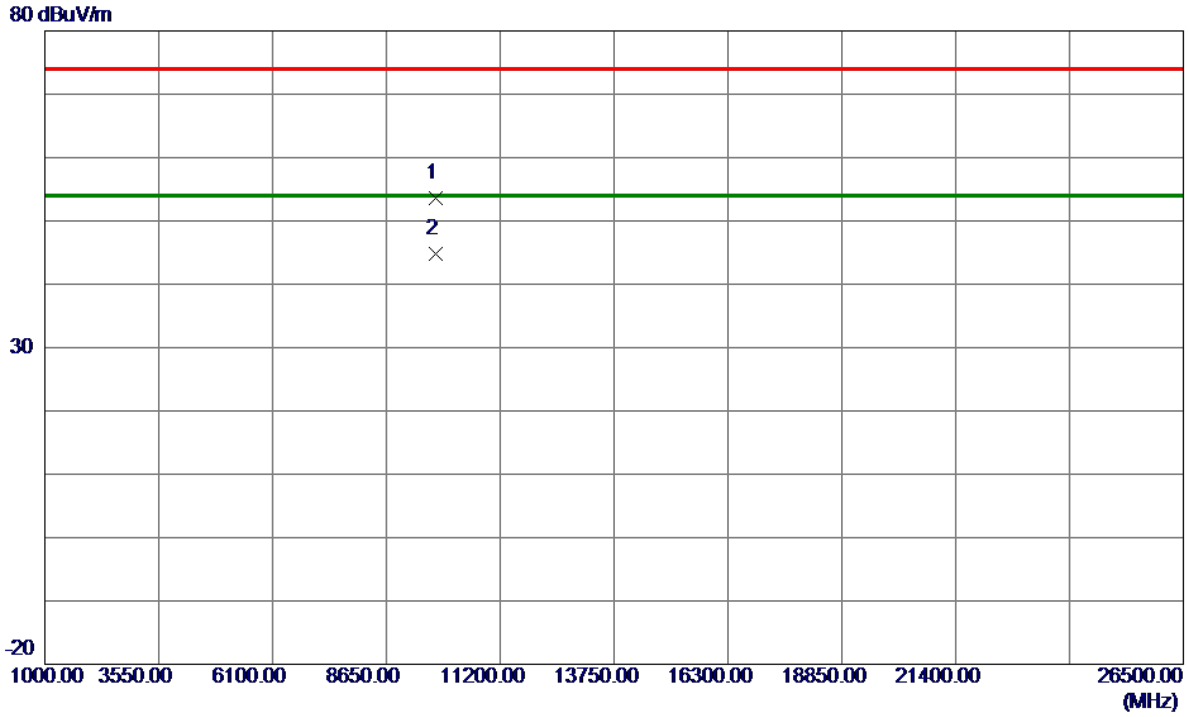


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	54.89	9.34	64.23	74.00	-9.77	peak	
2		2390.000	42.16	9.34	51.50	54.00	-2.50	AVG	
3	*	2424.800	90.43	9.42	99.85	54.00	45.85	AVG	No Limit
4	X	2425.000	98.20	9.42	107.62	74.00	33.62	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

Vertical

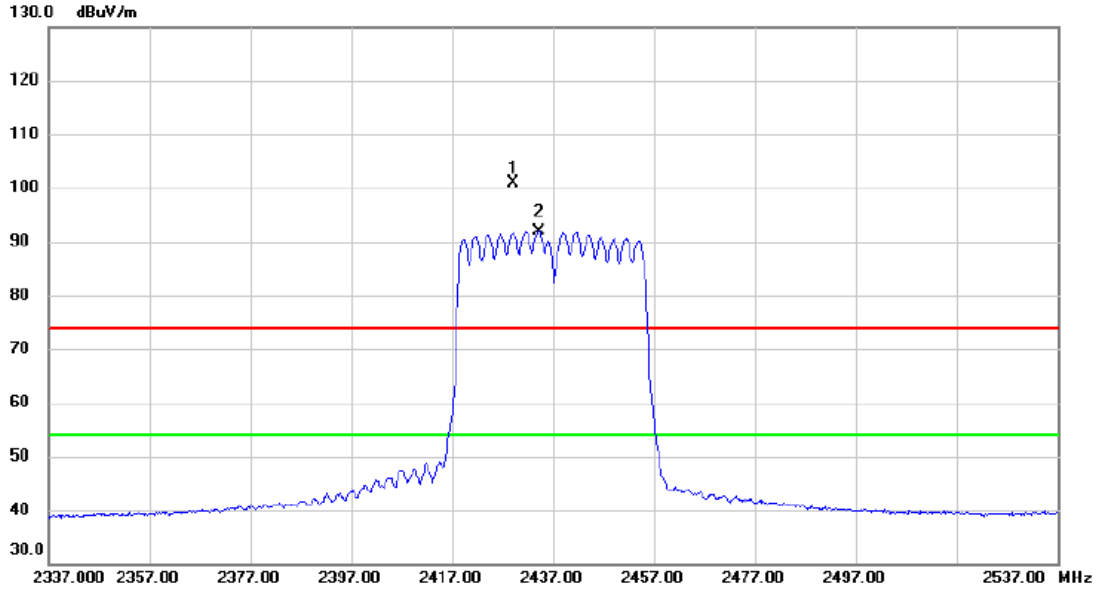


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9747.9650	39.56	13.96	53.52	74.00	-20.48	Peak	
2 *	9747.9950	30.89	13.96	44.85	54.00	-9.15	AVG	

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

Test Mode:	TX N-40M Mode 2437 MHz

Horizontal

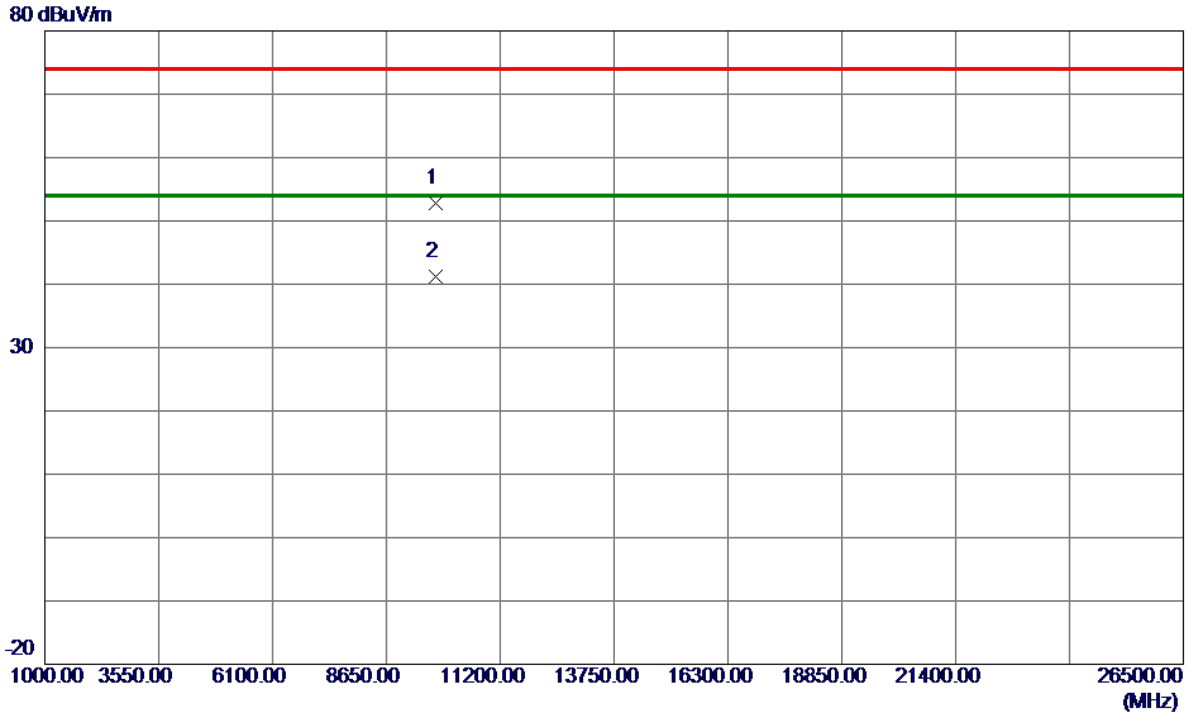


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2429.000	92.64	8.32	100.96	74.00	26.96	peak	No Limit
2	*	2434.200	83.57	8.34	91.91	54.00	37.91	AVG	No Limit

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

Test Mode:	TX N-40M Mode 2437 MHz

Horizontal

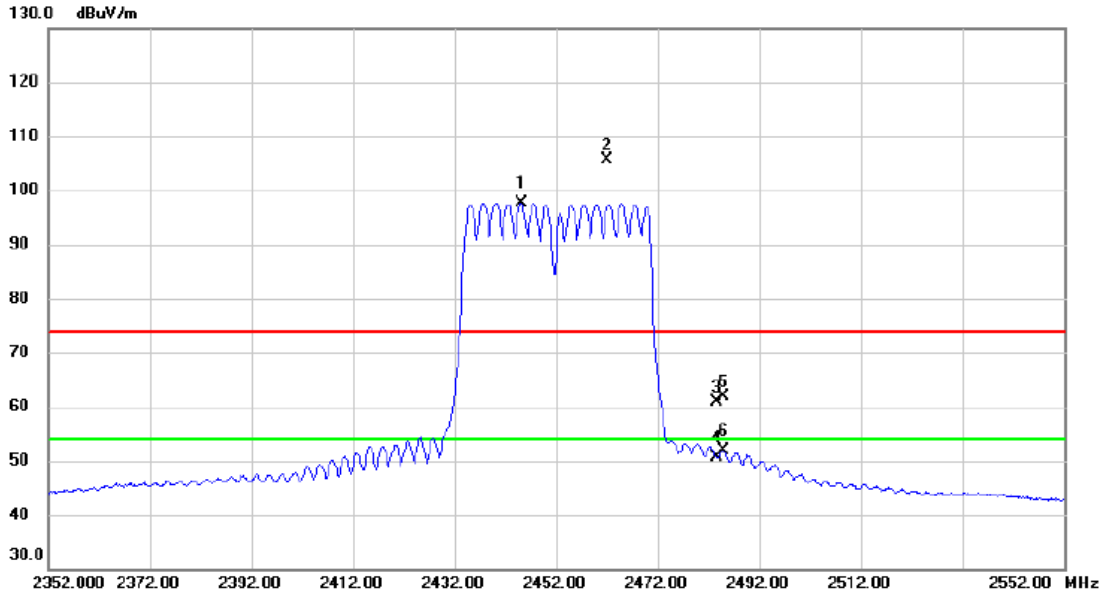


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9749.8150	39.82	12.97	52.79	74.00	-21.21	Peak	
2 *	9750.2150	28.14	12.97	41.11	54.00	-12.89	AVG	

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

Test Mode:	TX N-40M Mode 2452 MHz

Vertical

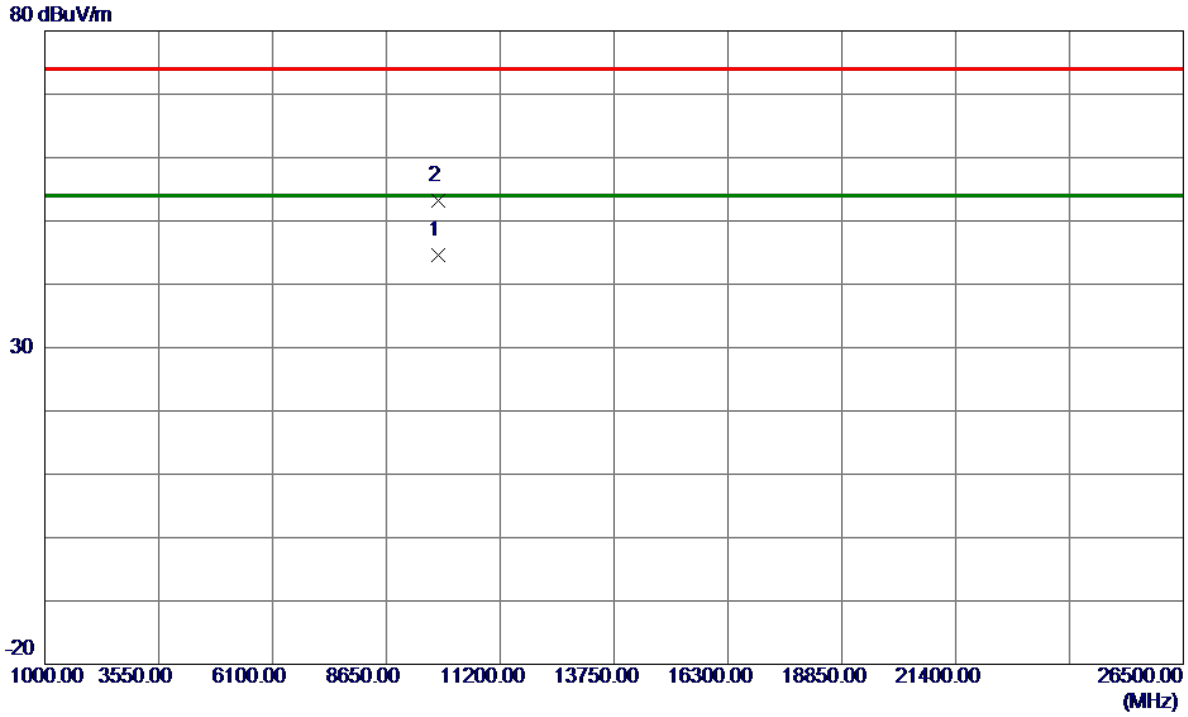


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2445.200	88.24	9.47	97.71	54.00	43.71	AVG	No Limit
2	X	2462.000	96.02	9.51	105.53	74.00	31.53	peak	No Limit
3		2483.500	51.33	9.57	60.90	74.00	-13.10	peak	
4		2483.500	41.00	9.57	50.57	54.00	-3.43	AVG	
5		2484.800	52.40	9.57	61.97	74.00	-12.03	peak	
6		2484.800	42.34	9.57	51.91	54.00	-2.09	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

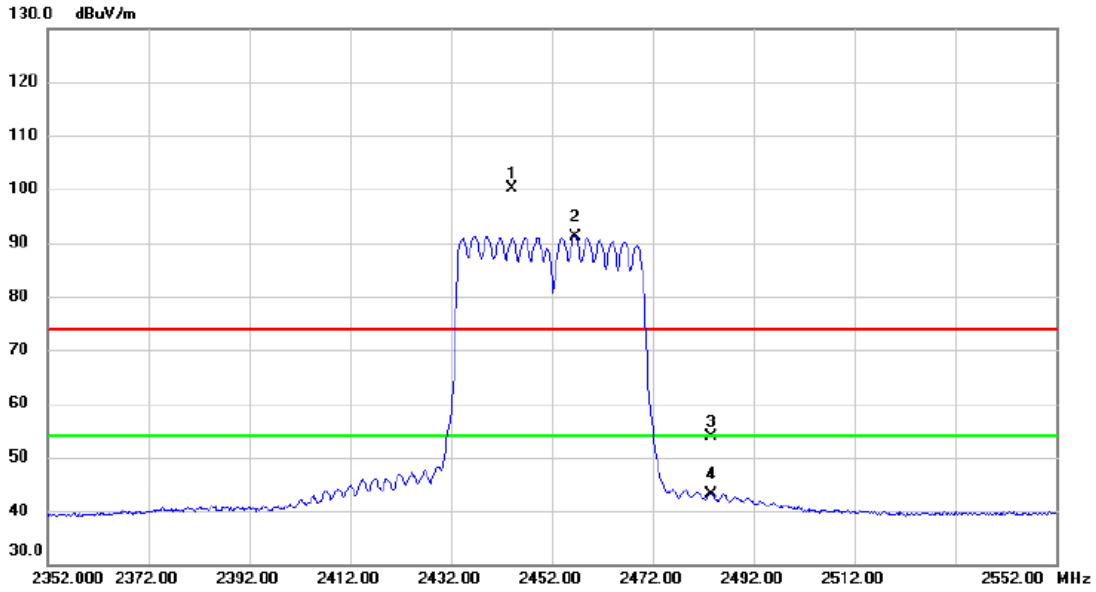


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9808.0400	30.58	14.04	44.62	54.00	-9.38	AVG	
2	9808.1550	39.09	14.04	53.13	74.00	-20.87	Peak	

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

Test Mode:	TX N-40M Mode 2452 MHz

Horizontal

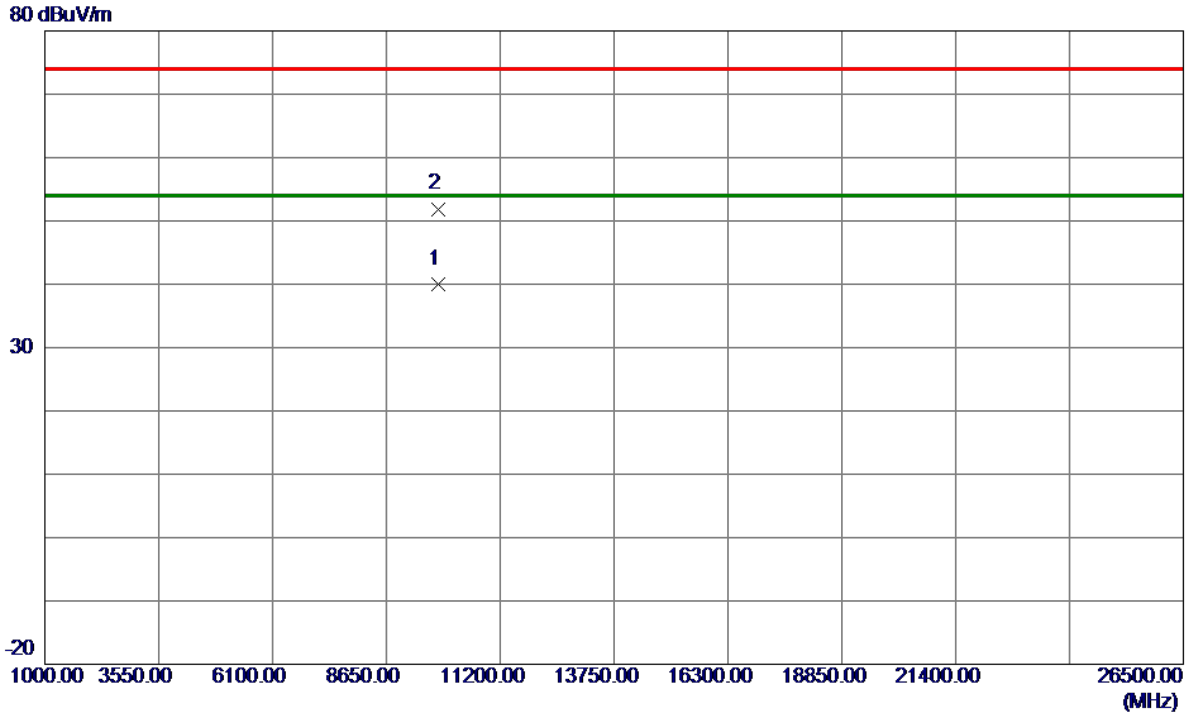


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2444.000	91.77	8.34	100.11	74.00	26.11	peak	No Limit
2	*	2456.600	82.88	8.36	91.24	54.00	37.24	AVG	No Limit
3		2483.500	45.61	8.39	54.00	74.00	-20.00	peak	
4		2483.500	34.62	8.39	43.01	54.00	-10.99	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

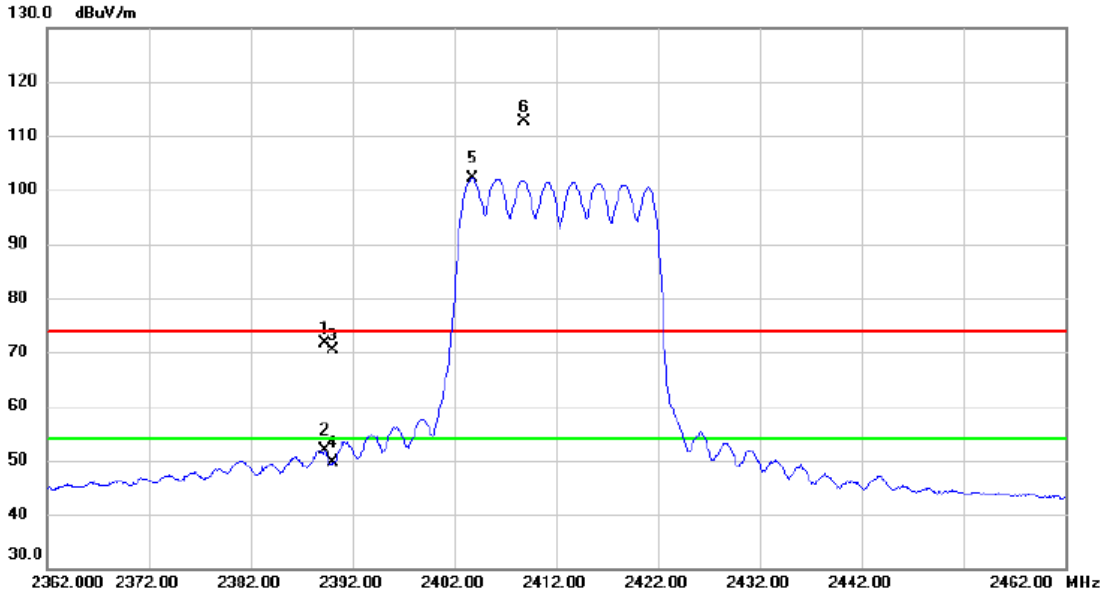


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9807.3150	27.05	13.02	40.07	54.00	-13.93	AVG	
2	9808.7350	38.88	13.02	51.90	74.00	-22.10	Peak	

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

Test Mode:	TX AX-20M Mode 2412 MHz

Vertical

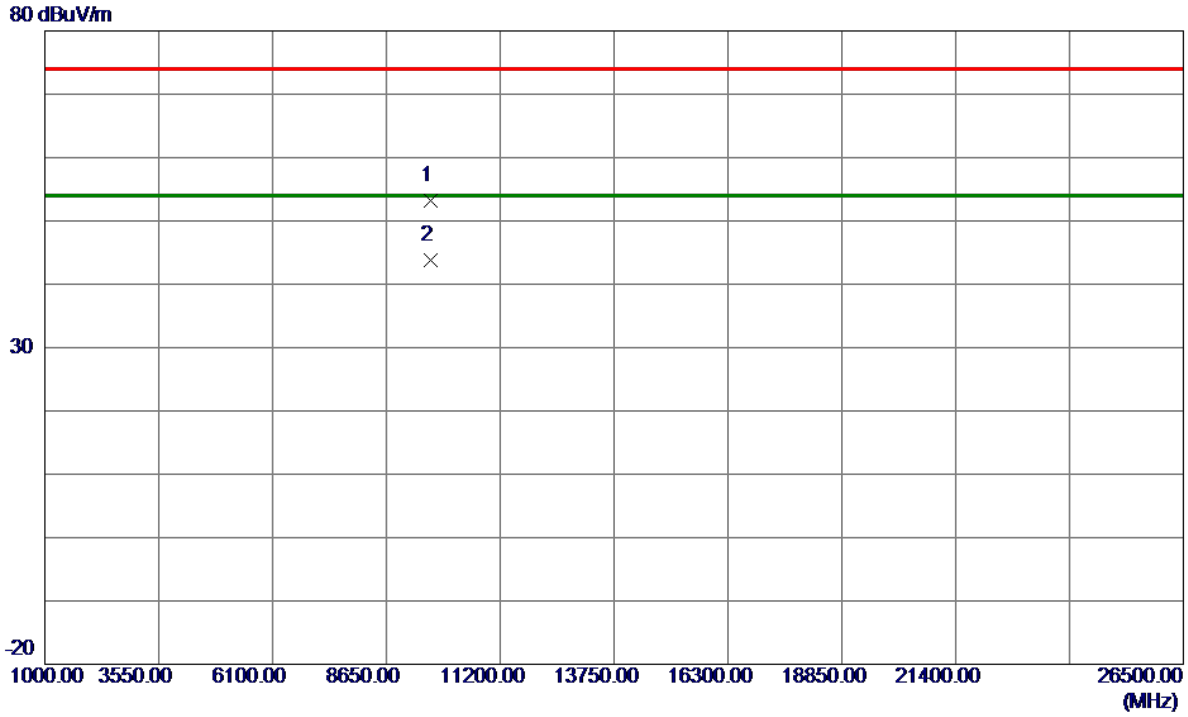


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2389.300	63.32	8.29	71.61	74.00	-2.39	peak	
2		2389.300	43.70	8.29	51.99	54.00	-2.01	AVG	
3		2390.000	62.15	8.29	70.44	74.00	-3.56	peak	
4		2390.000	41.23	8.29	49.52	54.00	-4.48	AVG	
5	*	2403.800	93.73	8.30	102.03	54.00	48.03	AVG	No Limit
6	X	2408.800	104.26	8.31	112.57	74.00	38.57	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

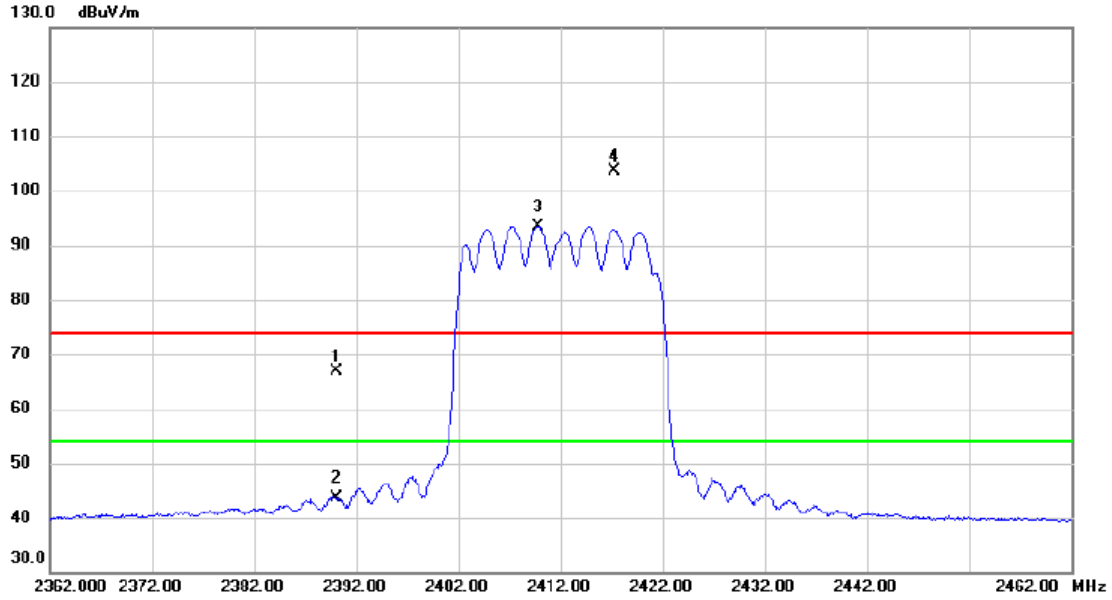


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9647.9050	39.29	13.84	53.13	74.00	-20.87	Peak	
2 *	9647.9100	29.99	13.84	43.83	54.00	-10.17	AVG	

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

Test Mode:	TX AX-20M Mode 2412 MHz

Horizontal

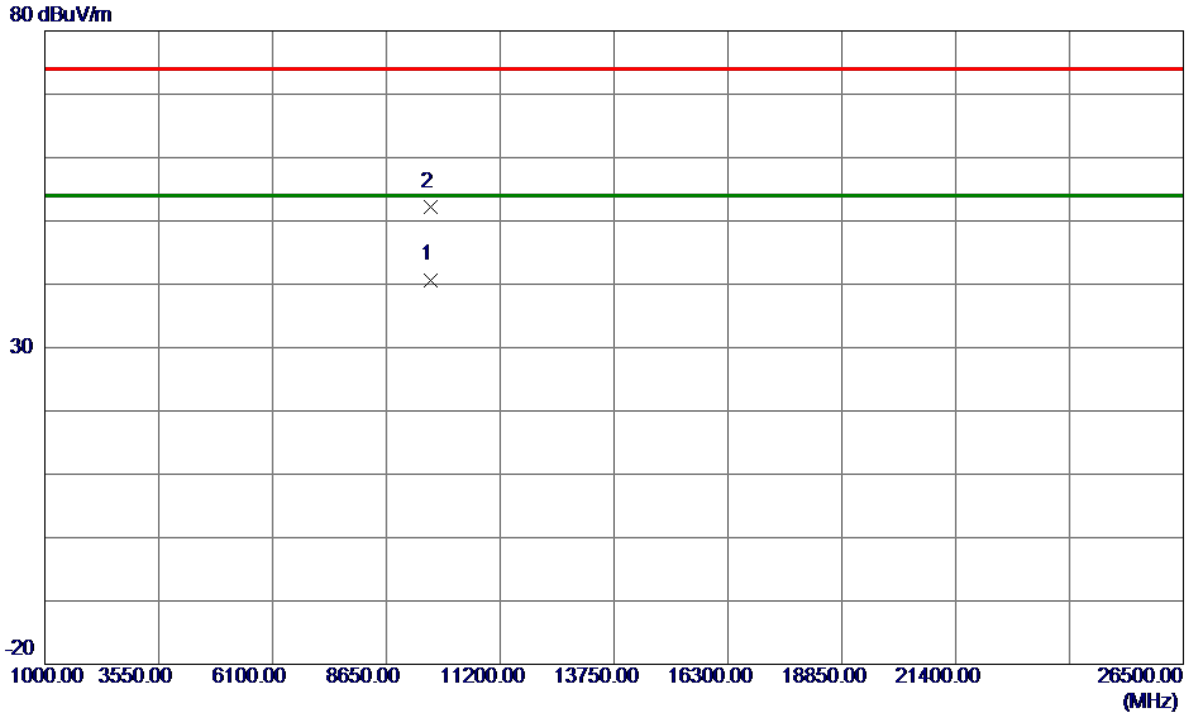


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	58.49	8.29	66.78	74.00	-7.22	peak	
2		2390.000	35.37	8.29	43.66	54.00	-10.34	AVG	
3	*	2409.800	85.17	8.31	93.48	54.00	39.48	AVG	No Limit
4	X	2417.300	95.32	8.32	103.64	74.00	29.64	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

Horizontal

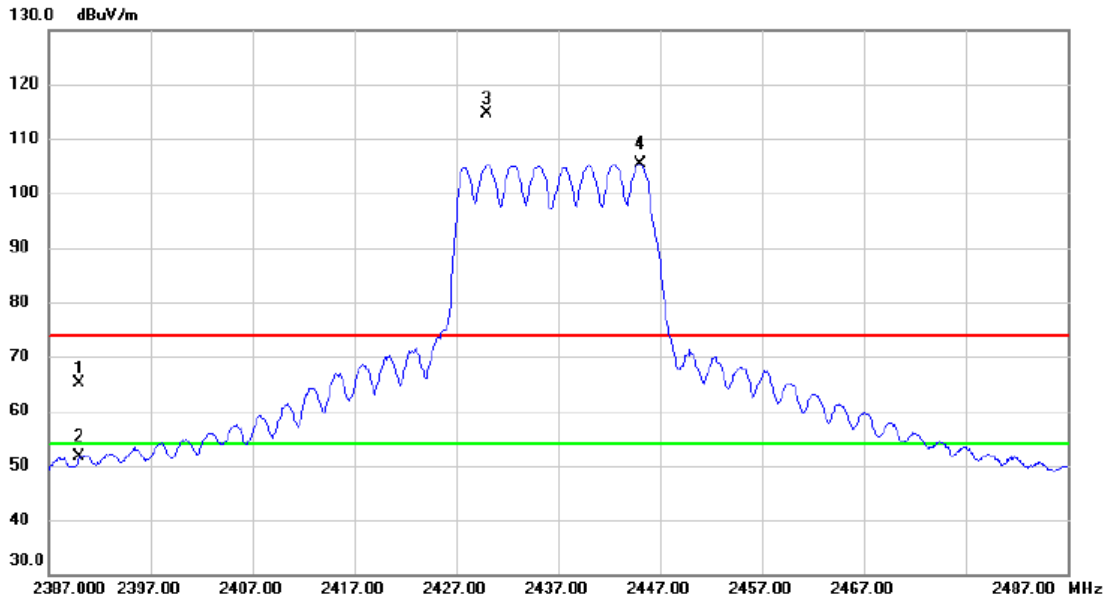


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9649.1950	27.82	12.88	40.70	54.00	-13.30	AVG	
2	9650.2300	39.25	12.88	52.13	74.00	-21.87	Peak	

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

Test Mode:	TX AX-20M Mode 2437 MHz

Vertical

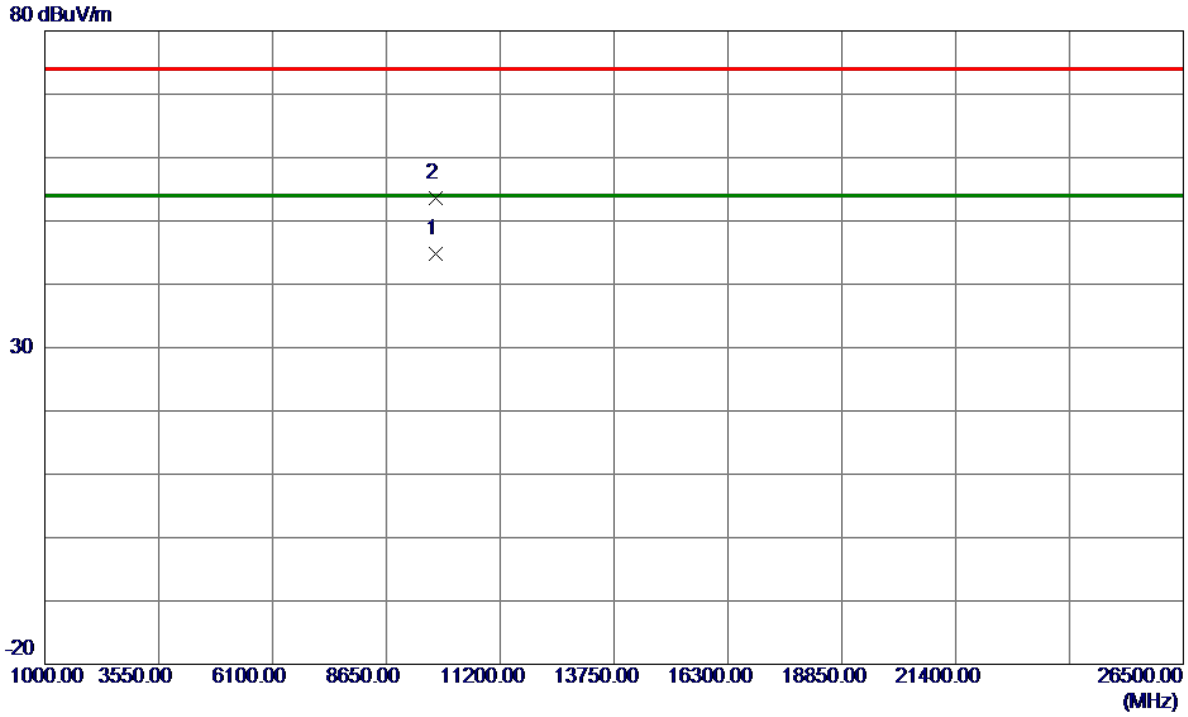


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	56.89	8.29	65.18	74.00	-8.82	peak	
2		2390.000	43.22	8.29	51.51	54.00	-2.49	AVG	
3	X	2430.000	106.39	8.32	114.71	74.00	40.71	peak	No Limit
4	*	2445.000	96.98	8.34	105.32	54.00	51.32	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

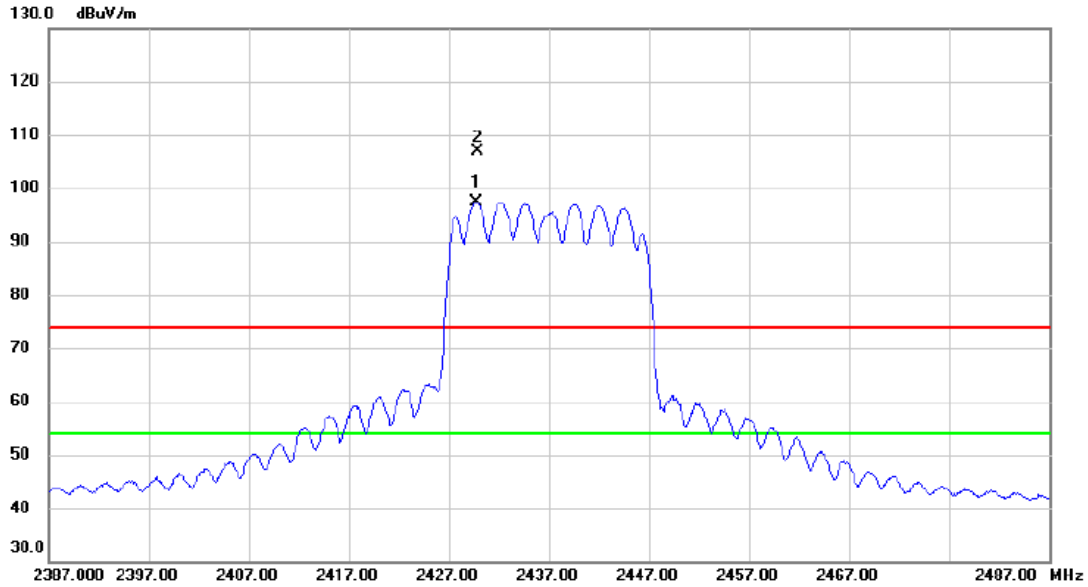


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9748.0199	30.90	13.97	44.87	54.00	-9.13	AVG	
2	9748.2000	39.70	13.97	53.67	74.00	-20.33	Peak	

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

Test Mode:	TX AX-20M Mode 2437 MHz

Horizontal

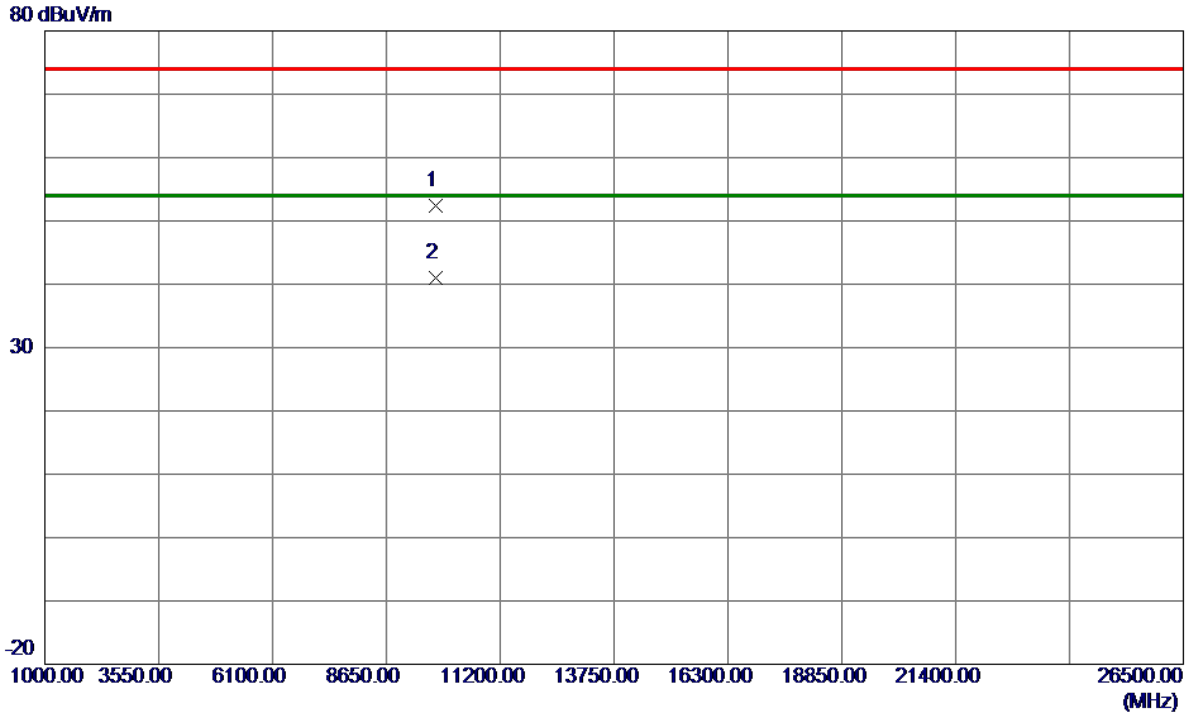


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2429.700	89.07	8.32	97.39	54.00	43.39	AVG	No Limit
2	X	2429.800	98.59	8.32	106.91	74.00	32.91	peak	No Limit

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

Test Mode:	TX AX-20M Mode 2437 MHz

Horizontal

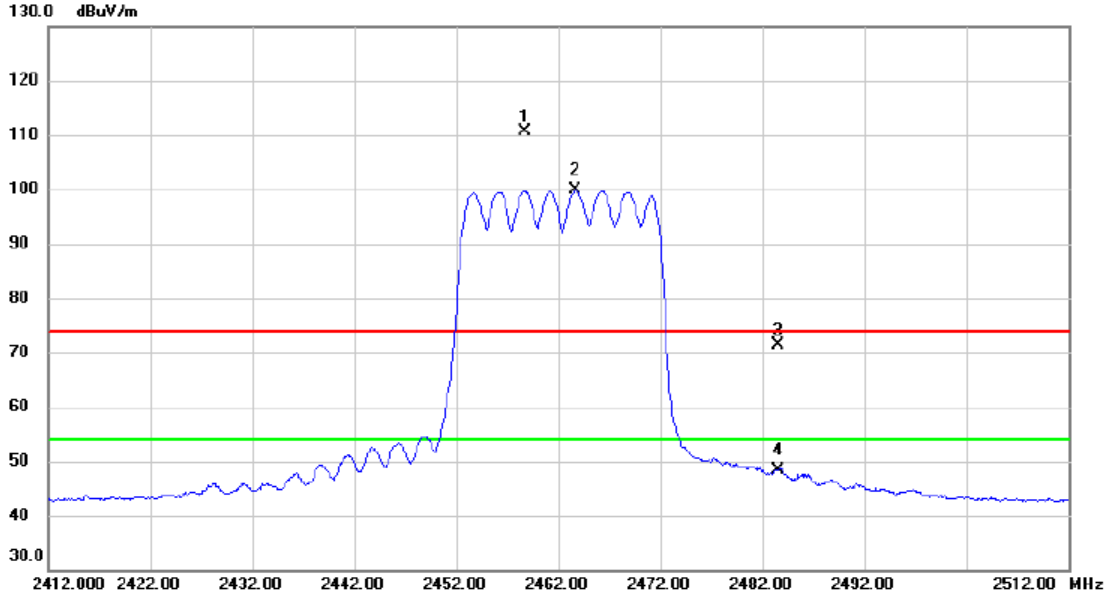


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9747.0000	39.45	12.96	52.41	74.00	-21.59	Peak	
2 *	9747.7100	28.12	12.97	41.09	54.00	-12.91	AVG	

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

Test Mode:	TX AX-20M Mode 2462 MHz

Vertical

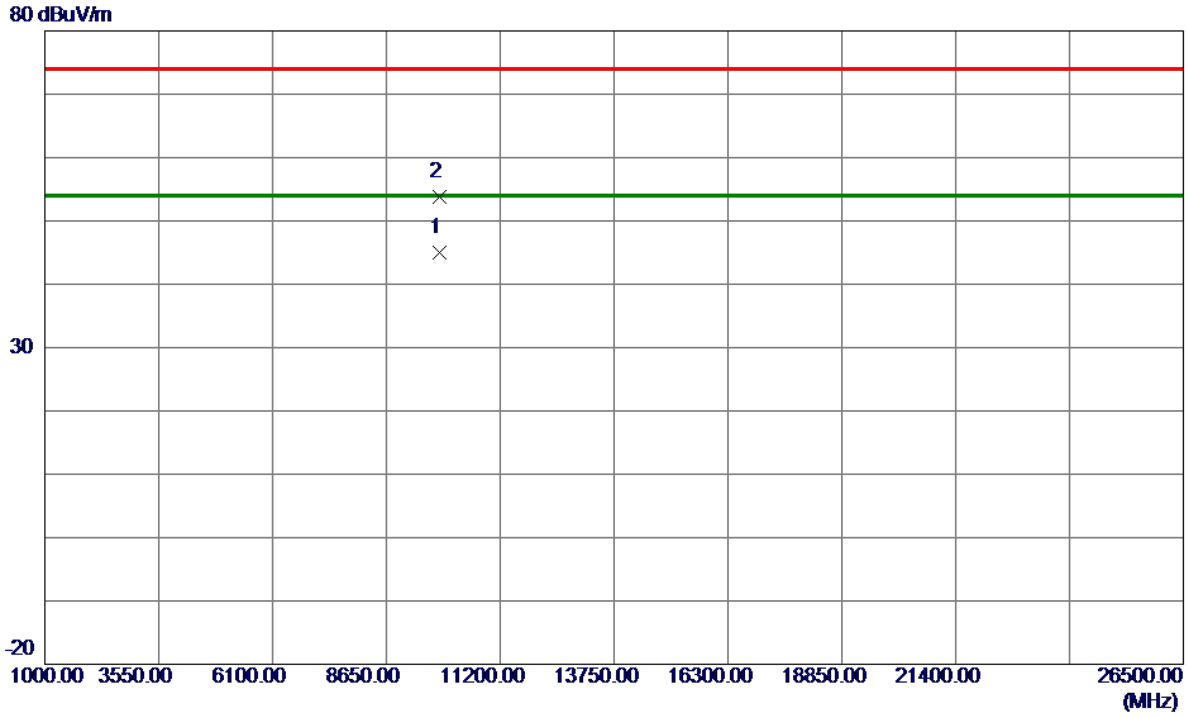


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2458.700	101.03	9.51	110.54	74.00	36.54	peak	No Limit
2	*	2463.700	90.24	9.52	99.76	54.00	45.76	AVG	No Limit
3		2483.500	61.91	9.57	71.48	74.00	-2.52	peak	
4		2483.500	38.70	9.57	48.27	54.00	-5.73	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

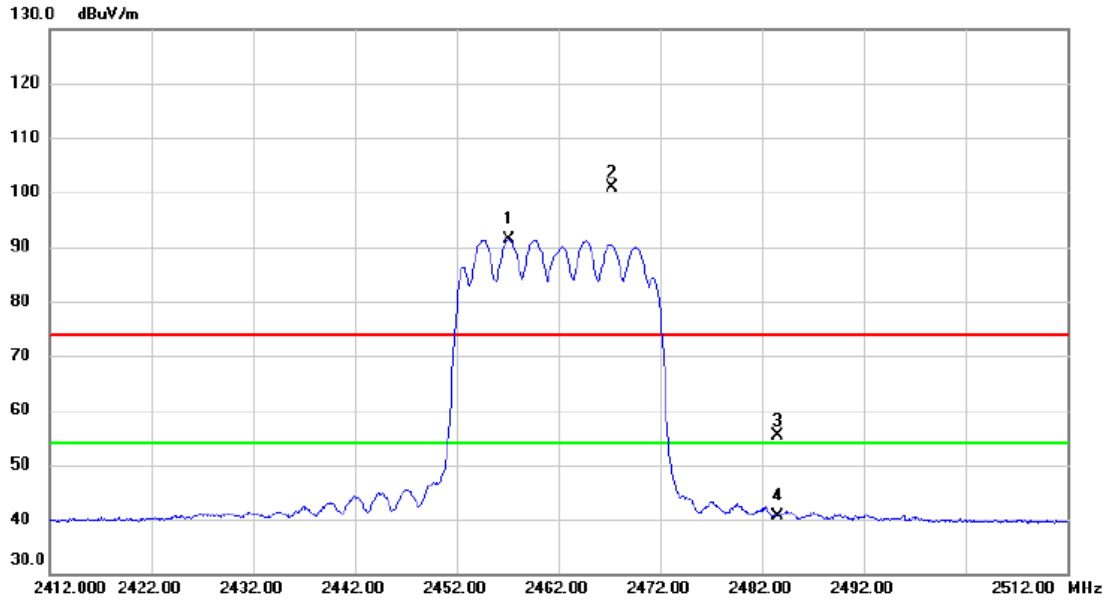


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9848.0650	30.94	14.09	45.03	54.00	-8.97	AVG	
2	9848.1950	39.75	14.09	53.84	74.00	-20.16	Peak	

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

Test Mode:	TX AX-20M Mode 2462 MHz

Horizontal

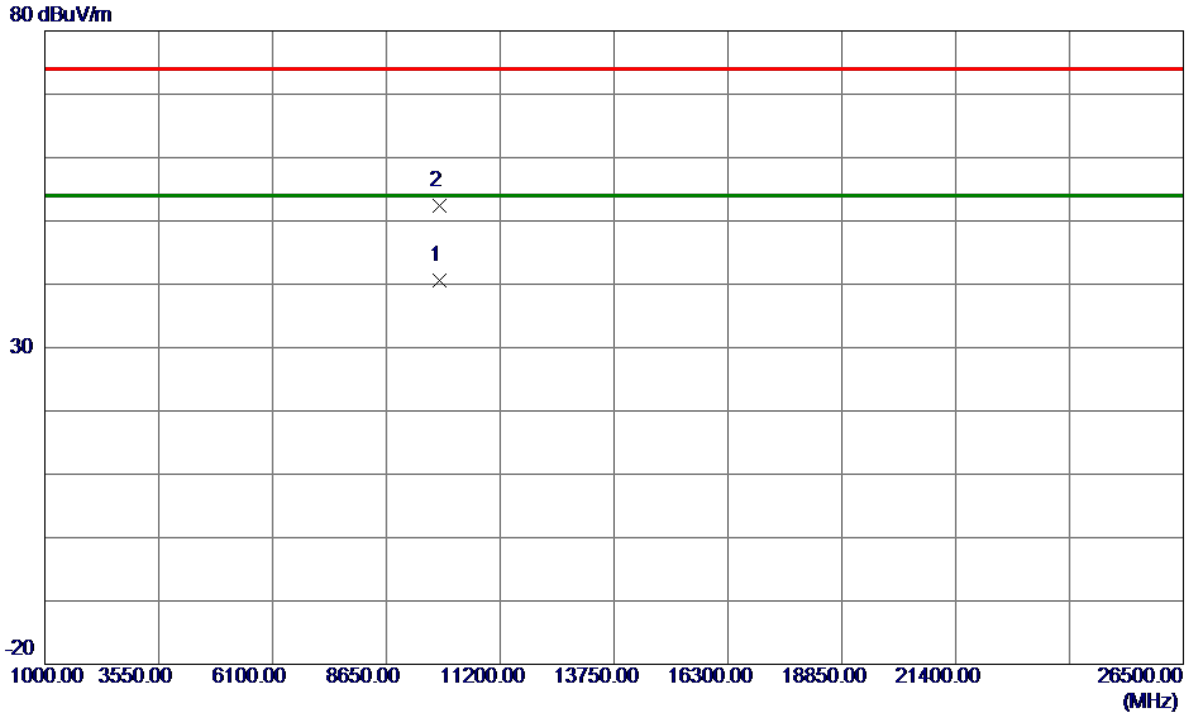


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2457.200	83.03	8.36	91.39	54.00	37.39	AVG	No Limit
2	X	2467.300	92.56	8.37	100.93	74.00	26.93	peak	No Limit
3		2483.500	46.88	8.39	55.27	74.00	-18.73	peak	
4		2483.500	32.27	8.39	40.66	54.00	-13.34	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

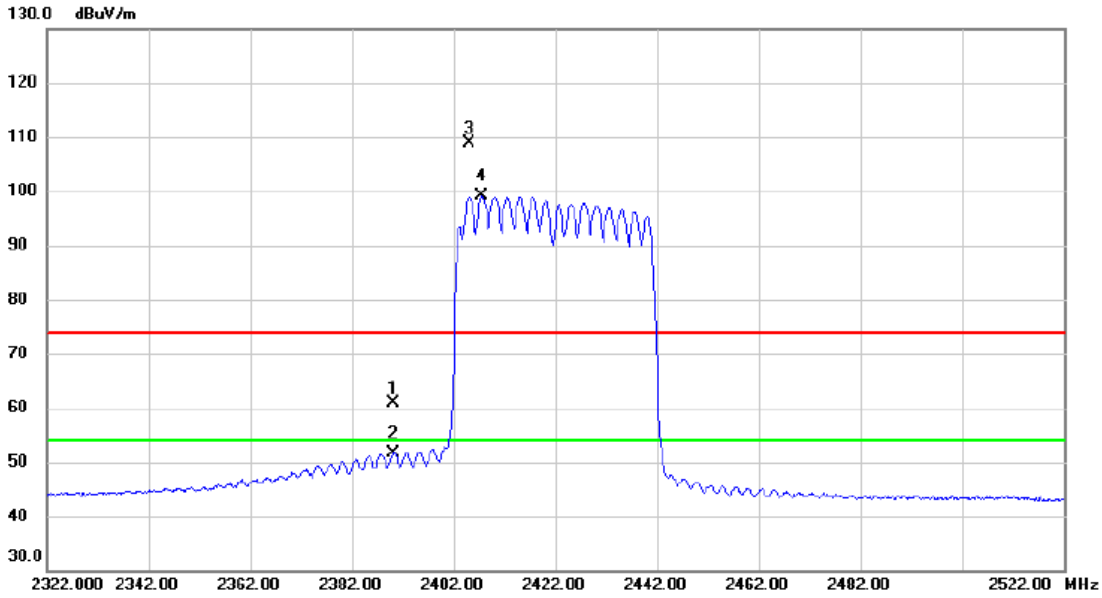


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9849.8750	27.64	13.05	40.69	54.00	-13.31	AVG	
2	9850.2950	39.29	13.05	52.34	74.00	-21.66	Peak	

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

Test Mode:	TX AX-40M Mode 2422MHz

Vertical

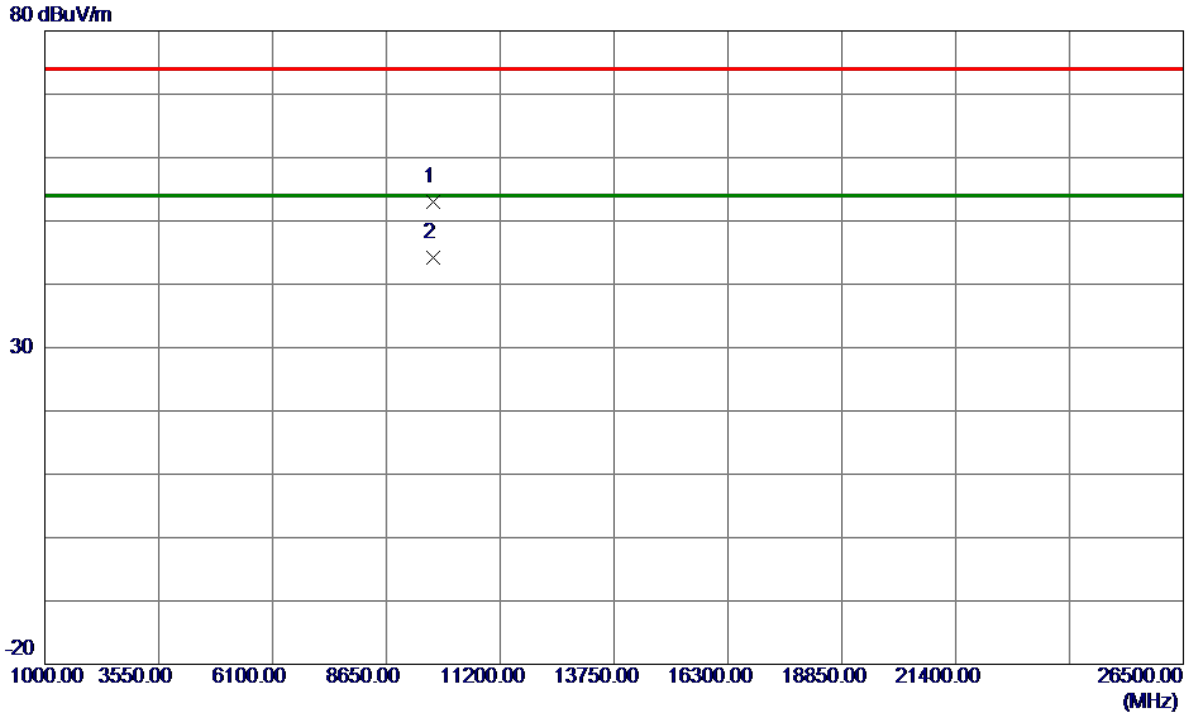


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	51.64	9.34	60.98	74.00	-13.02	peak	
2		2390.000	42.17	9.34	51.51	54.00	-2.49	AVG	
3	X	2405.000	99.61	9.37	108.98	74.00	34.98	peak	No Limit
4	*	2407.600	89.70	9.37	99.07	54.00	45.07	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

Vertical

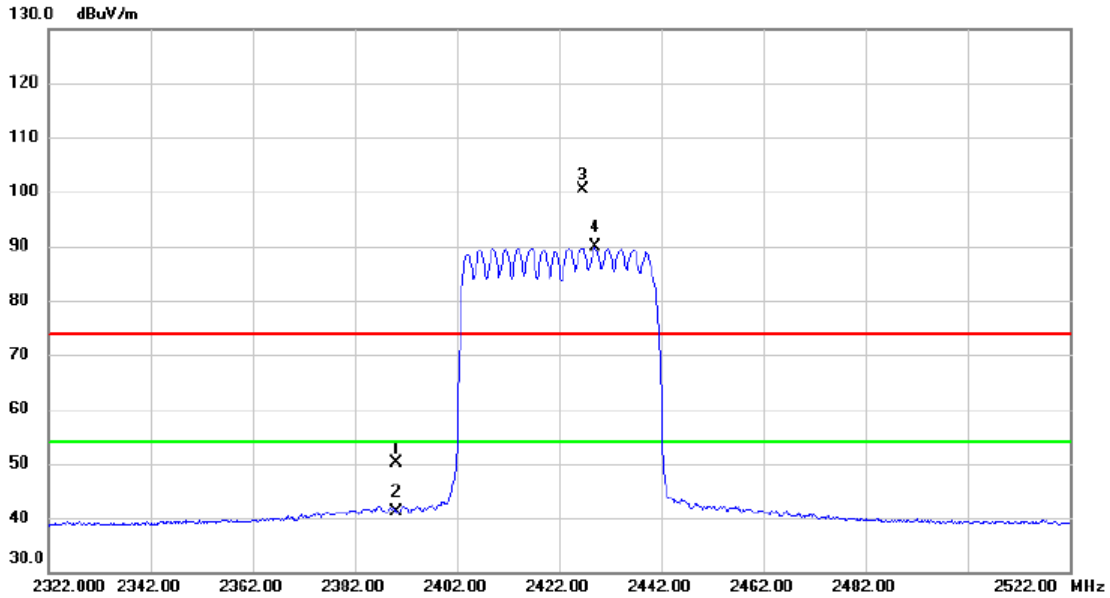


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9687.8600	39.12	13.89	53.01	74.00	-20.99	Peak	
2 *	9688.1150	30.24	13.89	44.13	54.00	-9.87	AVG	

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

Test Mode:	TX AX-40M Mode 2422MHz

Horizontal

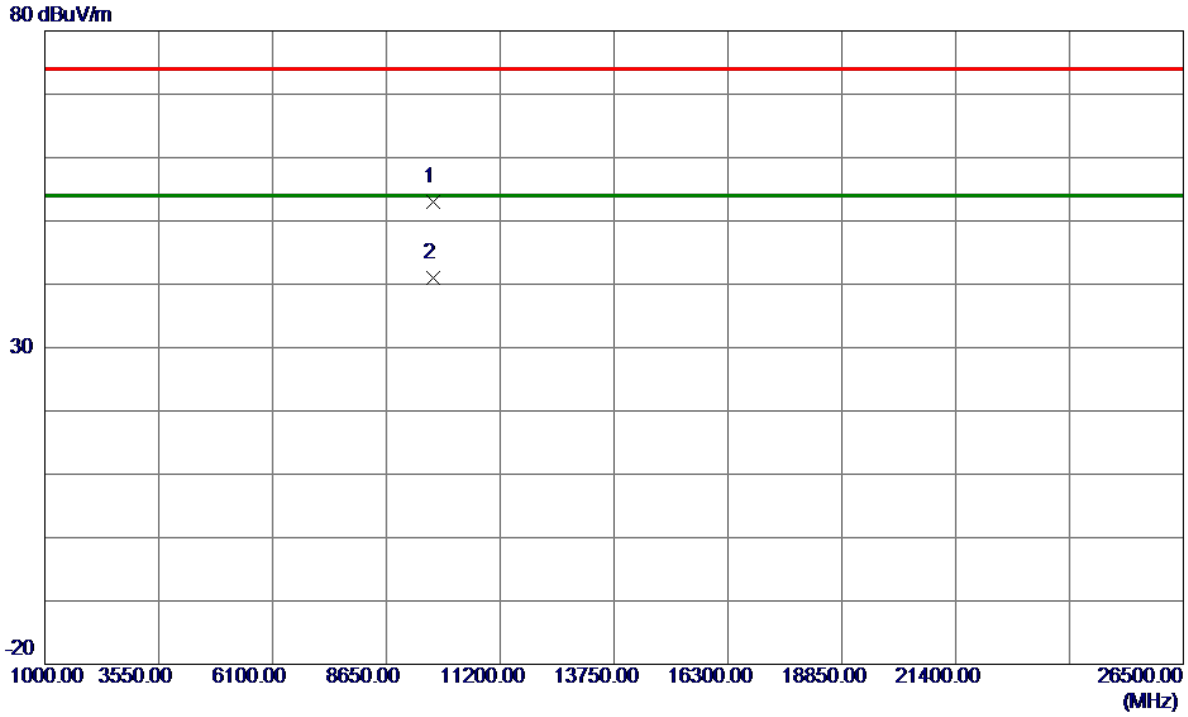


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	41.92	8.29	50.21	74.00	-23.79	peak	
2		2390.000	32.91	8.29	41.20	54.00	-12.80	AVG	
3	X	2426.600	92.10	8.32	100.42	74.00	26.42	peak	No Limit
4	*	2429.000	81.50	8.32	89.82	54.00	35.82	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

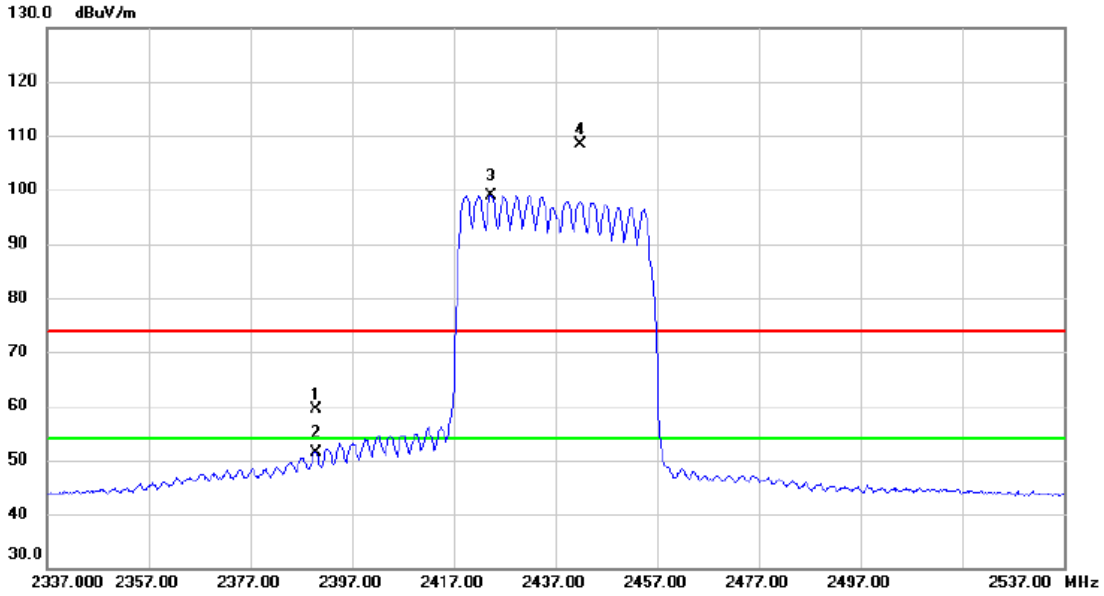


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9685.8750	40.01	12.91	52.92	74.00	-21.08	Peak	
2 *	9689.2950	28.01	12.92	40.93	54.00	-13.07	AVG	

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

Test Mode:	TX AX-40M Mode 2437 MHz

Vertical

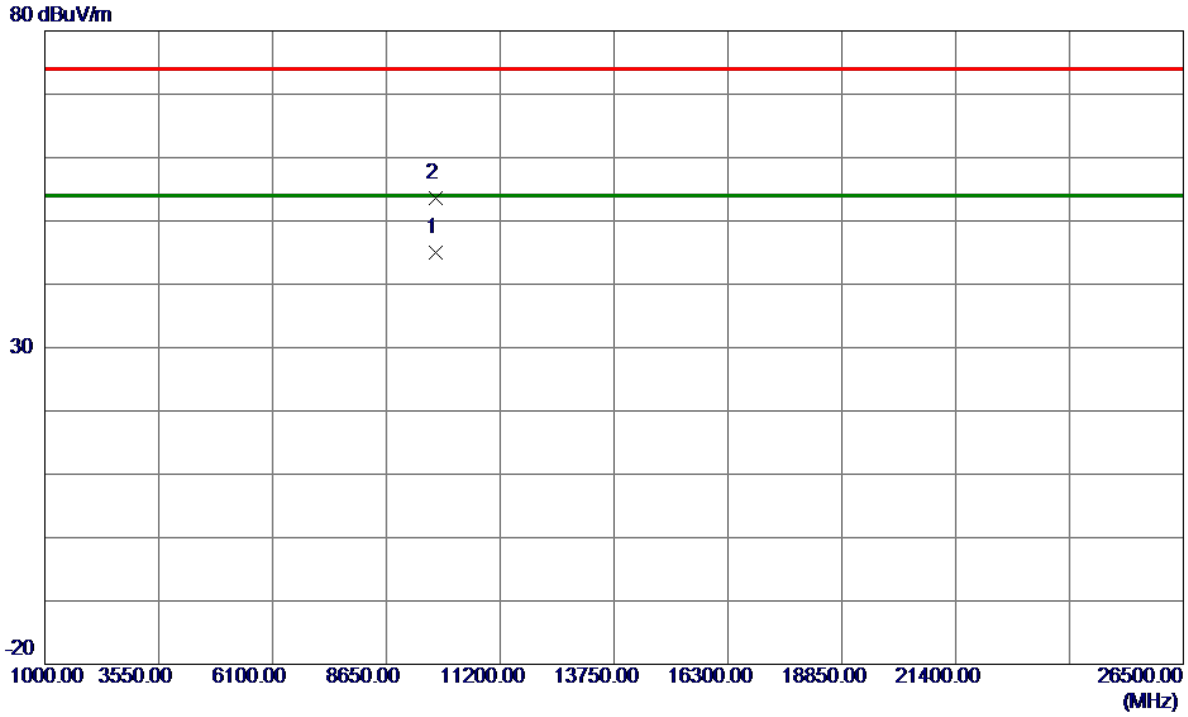


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	50.13	9.34	59.47	74.00	-14.53	peak	
2		2390.000	41.95	9.34	51.29	54.00	-2.71	AVG	
3	*	2424.400	89.48	9.42	98.90	54.00	44.90	AVG	No Limit
4	X	2442.000	98.81	9.46	108.27	74.00	34.27	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

Vertical

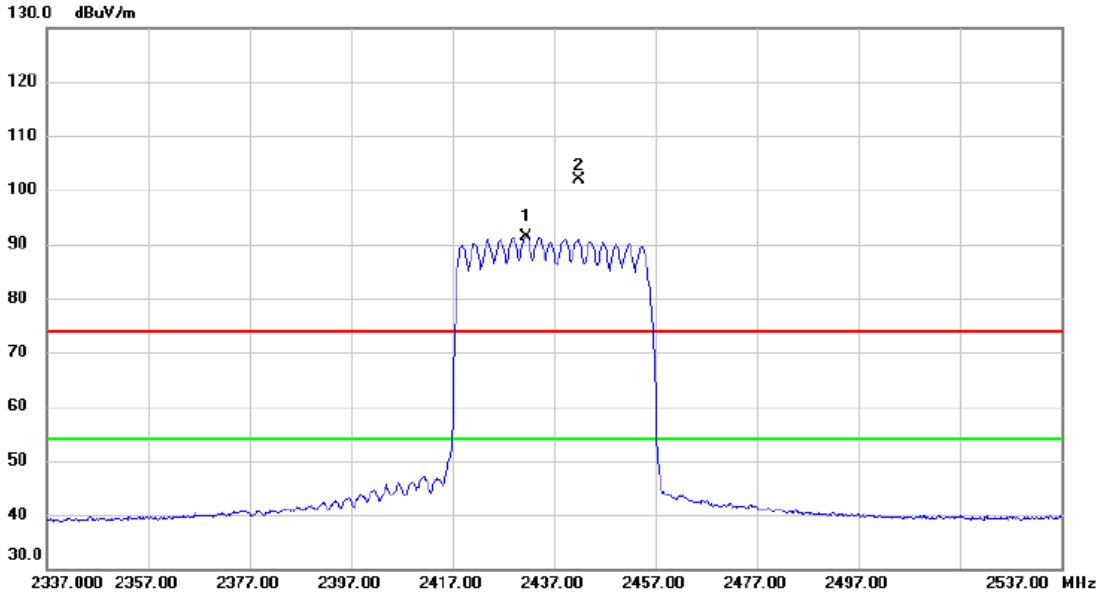


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9747.9600	30.96	13.96	44.92	54.00	-9.08	AVG	
2	9748.4750	39.55	13.97	53.52	74.00	-20.48	Peak	

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

Test Mode:	TX AX-40M Mode 2437 MHz

Horizontal

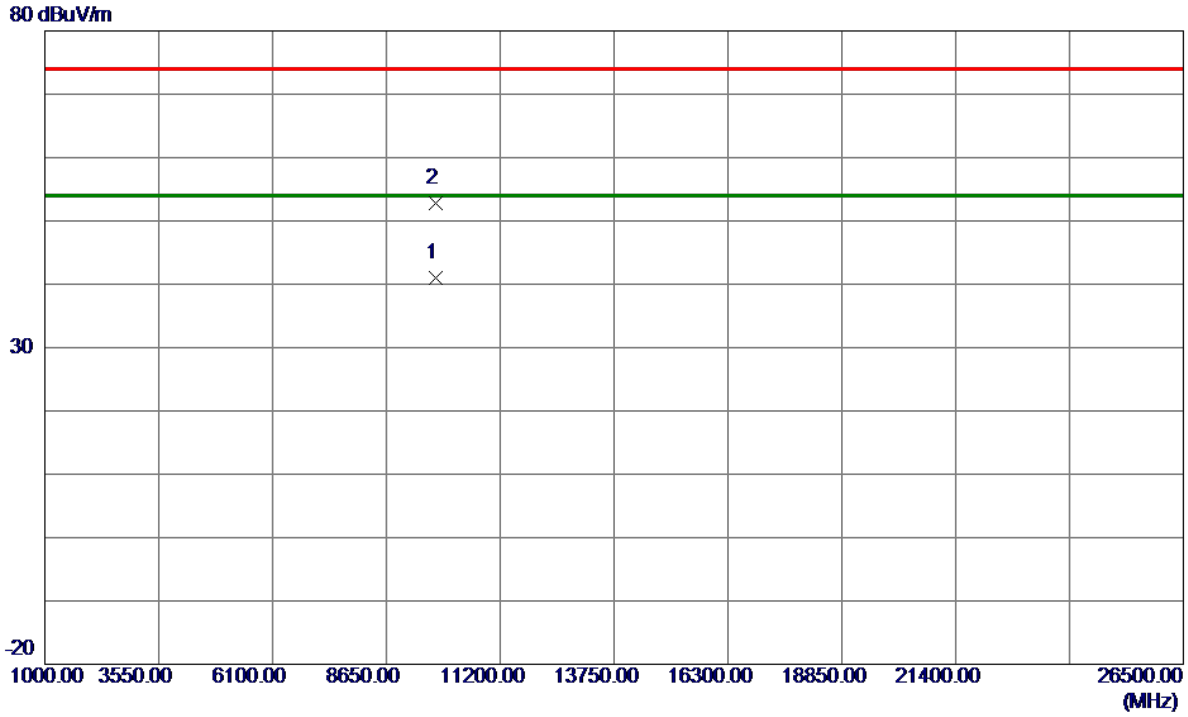


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2431.600	83.04	8.32	91.36	54.00	37.36	AVG	No Limit
2	X	2441.800	93.45	8.34	101.79	74.00	27.79	peak	No Limit

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

Test Mode:	TX AX-40M Mode 2437 MHz

Horizontal

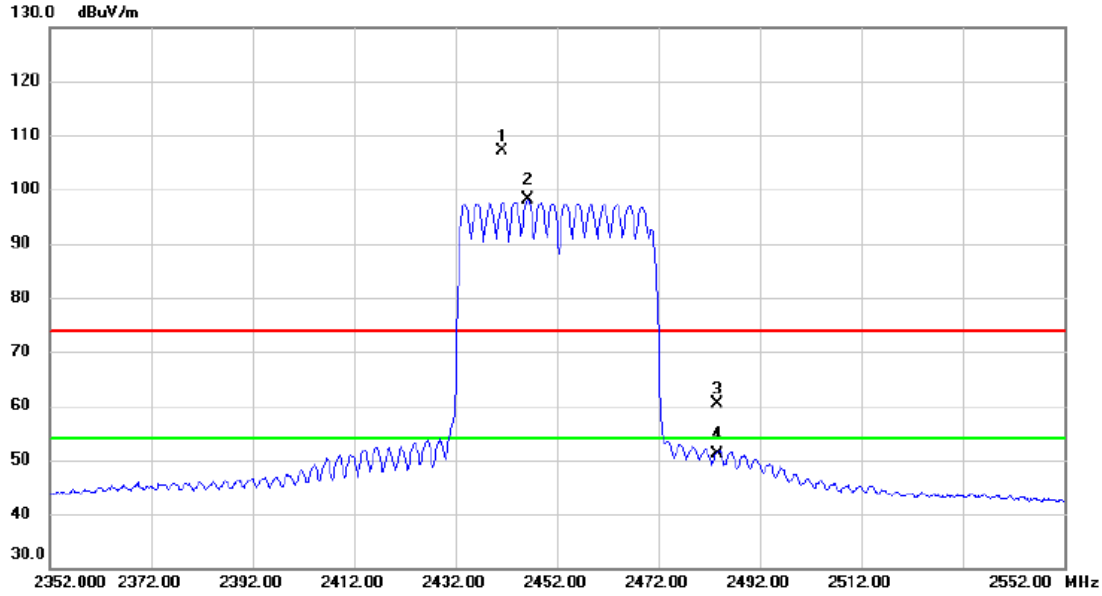


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9745.9950	28.07	12.96	41.03	54.00	-12.97	AVG	
2	9749.0500	39.82	12.97	52.79	74.00	-21.21	Peak	

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

Test Mode:	TX AX-40M Mode 2452 MHz

Vertical

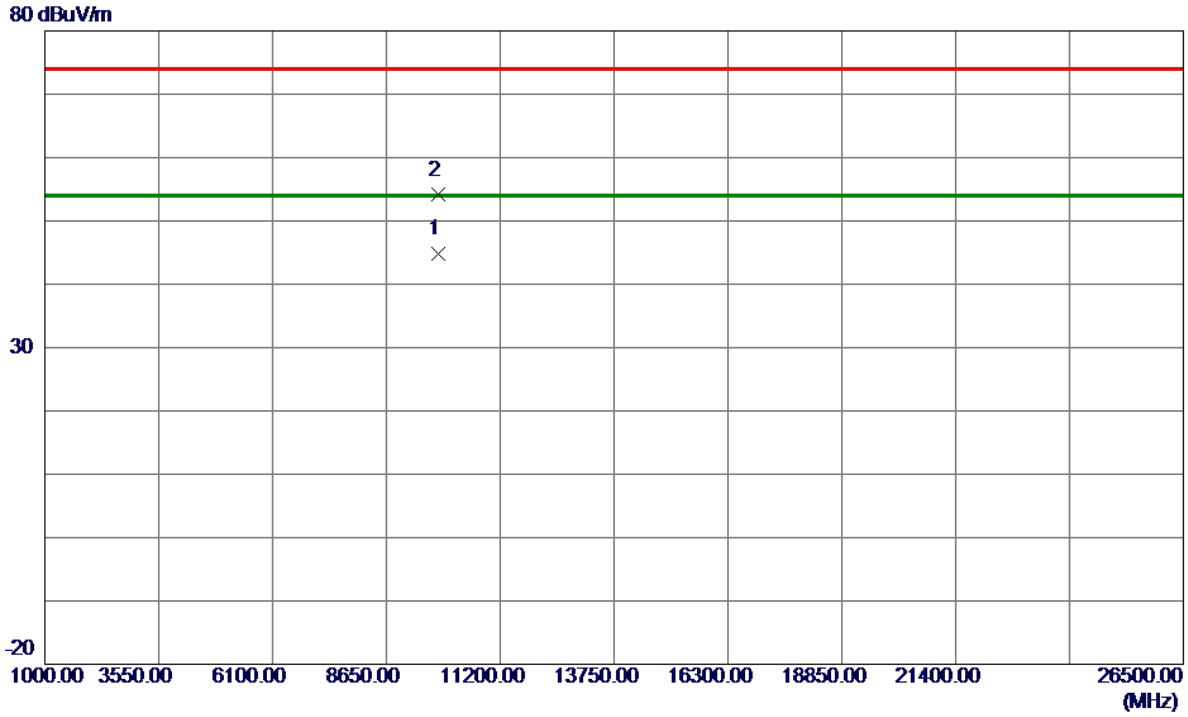


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2441.200	97.63	9.46	107.09	74.00	33.09	peak	No Limit
2	*	2446.200	88.58	9.48	98.06	54.00	44.06	AVG	No Limit
3		2483.500	50.69	9.57	60.26	74.00	-13.74	peak	
4		2483.500	41.68	9.57	51.25	54.00	-2.75	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

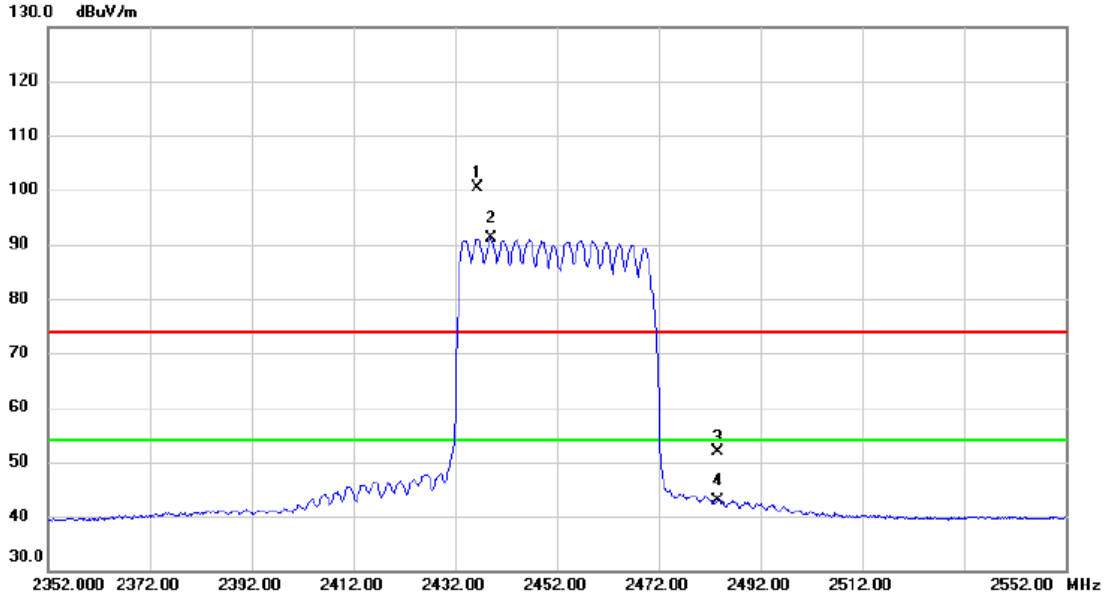


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9807.9750	30.71	14.04	44.75	54.00	-9.25	AVG	
2	9808.1800	40.06	14.04	54.10	74.00	-19.90	Peak	

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

Test Mode:	TX AX-40M Mode 2452 MHz

Horizontal

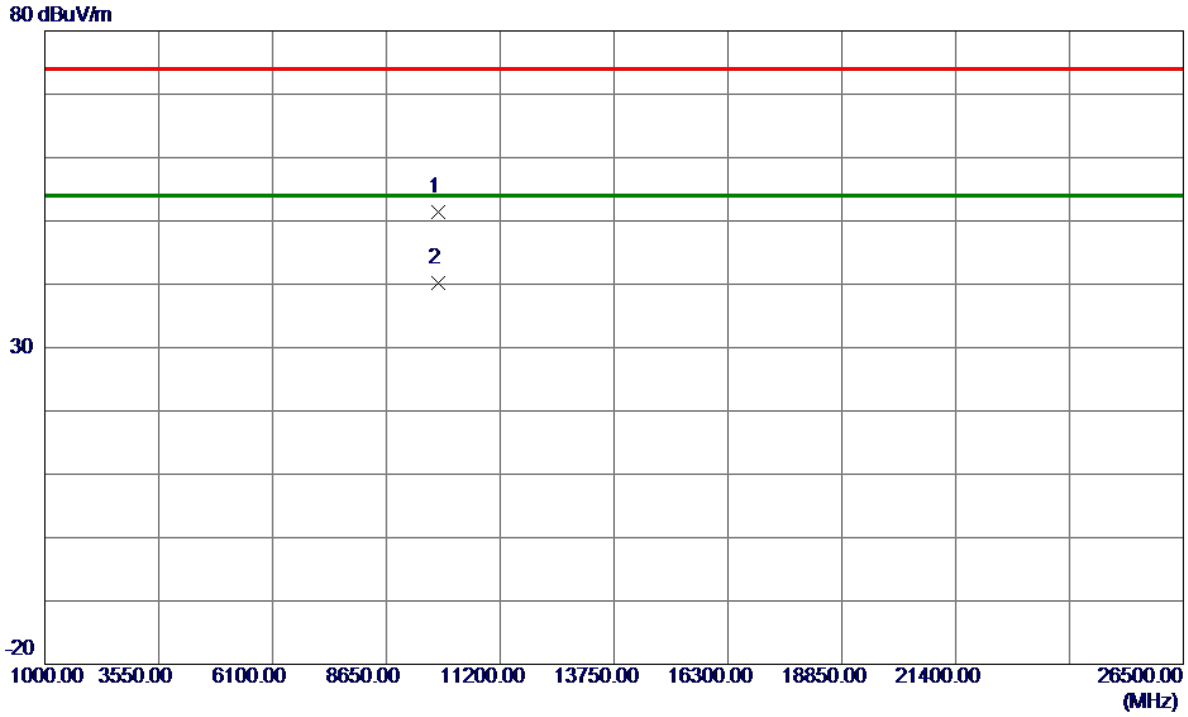


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2436.400	92.14	8.34	100.48	74.00	26.48	peak	No Limit
2	*	2439.000	82.73	8.34	91.07	54.00	37.07	AVG	No Limit
3		2483.500	43.44	8.39	51.83	74.00	-22.17	peak	
4		2483.500	34.42	8.39	42.81	54.00	-11.19	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	9807.7100	38.40	13.02	51.42	74.00	-22.58	Peak	
2 *	9807.9700	27.21	13.02	40.23	54.00	-13.77	AVG	

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 2437MHz + WLAN 5G A Mode 5785MHz

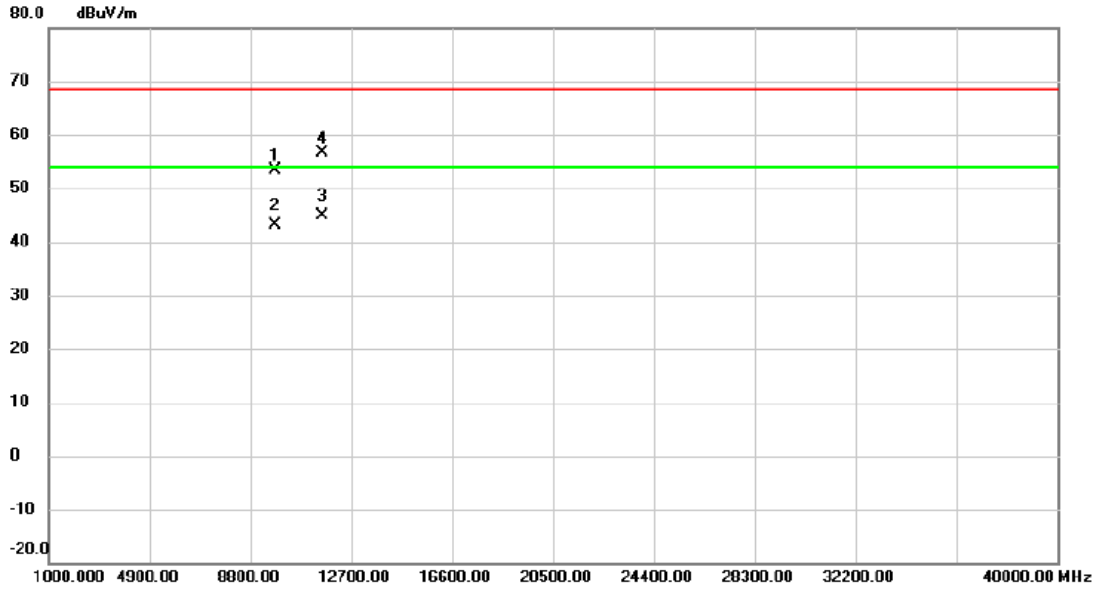
Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		9749.021	37.59	12.96	50.55	54.00	-3.45	AVG	
2		9749.425	42.43	12.96	55.39	68.30	-12.91	peak	
3	*	11568.935	37.32	14.57	51.89	54.00	-2.11	AVG	
4		11570.101	51.53	14.57	66.10	68.30	-2.20	peak	

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

Test Mode:	TX WLAN 2.4G B Mode 2437MHz + WLAN 5G A Mode 5785MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		9750.221	40.44	12.97	53.41	68.30	-14.89	peak	
2		9750.365	30.10	12.97	43.07	54.00	-10.93	AVG	
3	*	11568.882	30.23	14.57	44.80	54.00	-9.20	AVG	
4		11570.328	42.01	14.57	56.58	68.30	-11.72	peak	

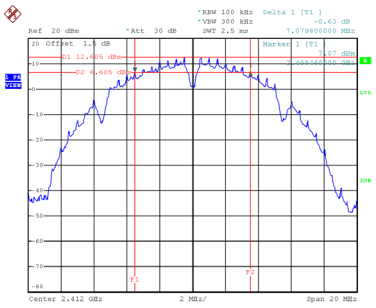
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

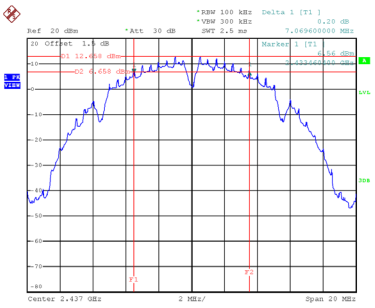
Test Mode	TX B Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	7.08	500	Complies
06	2437	7.07	500	Complies
11	2462	7.07	500	Complies

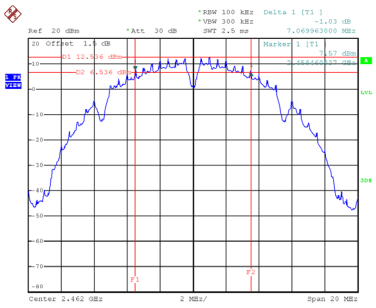
CH01



CH06

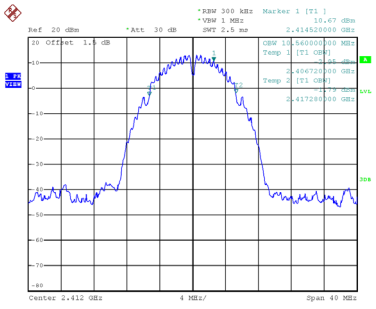


CH11

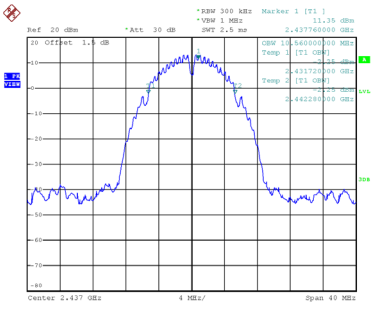


Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	10.56	Complies
06	2437	10.56	Complies
11	2462	10.56	Complies

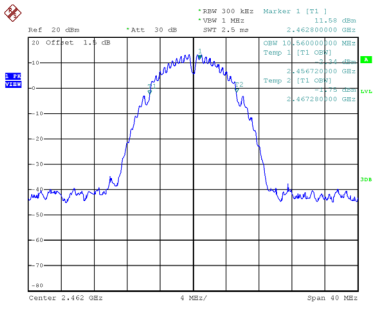
CH01



CH06



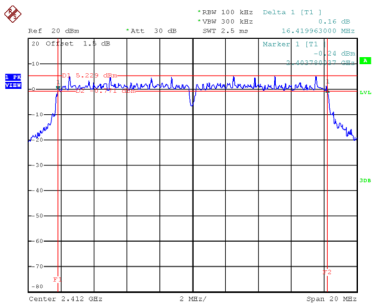
CH11



Test Mode	TX G Mode

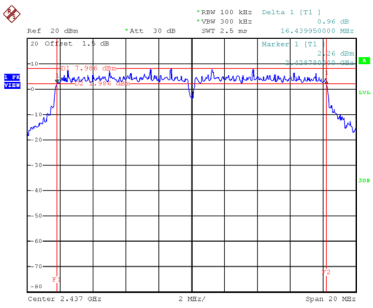
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	16.42	500	Complies
06	2437	16.44	500	Complies
11	2462	16.44	500	Complies

CH01



Date: 10.JUN.2020 08:17:36

CH06



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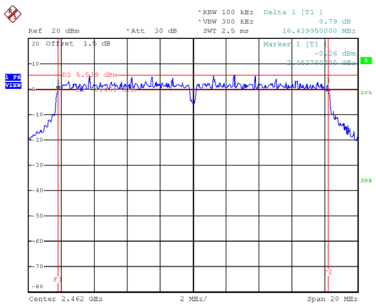
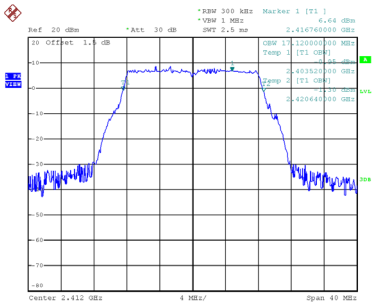
CH11



Date: 10.JUN.2020 08:22:33

Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	17.12	Complies
06	2437	17.28	Complies
11	2462	17.20	Complies

CH01



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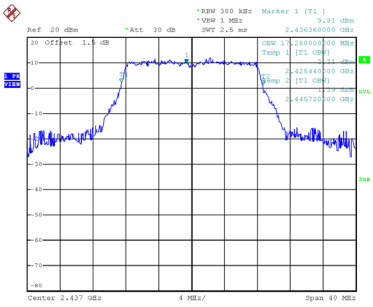
CH06



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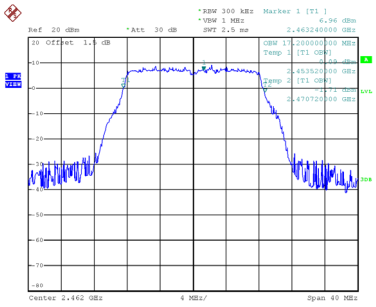
CH11

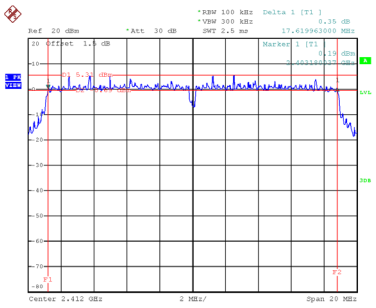


Date: 10.JUN.2020 08:22:40

Test Mode	TX N-20M Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	17.62	500	Complies
06	2437	17.62	500	Complies
11	2462	17.62	500	Complies

CH01



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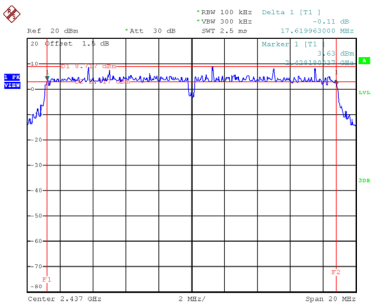
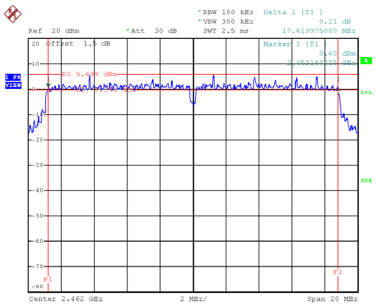
CH06



Date: 10.JUN.2020 08:26:42

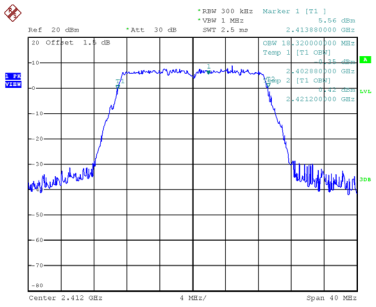
CH11



Date: 10.JUN.2020 08:28:04

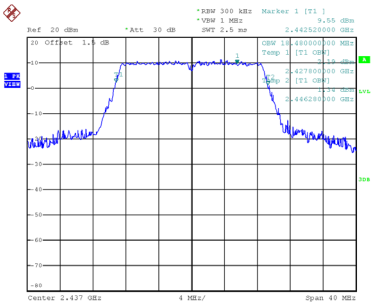
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	18.32	Complies
06	2437	18.48	Complies
11	2462	18.32	Complies

CH01



Date: 10.JUN.2020 08:25:01

CH06



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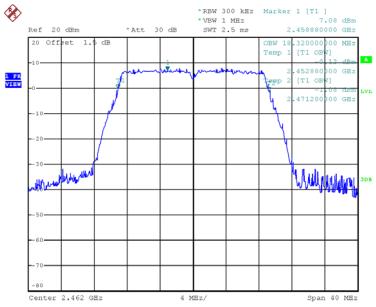
CH11

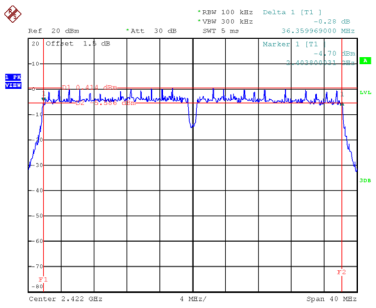


Date: 10.JUN.2020 08:28:11

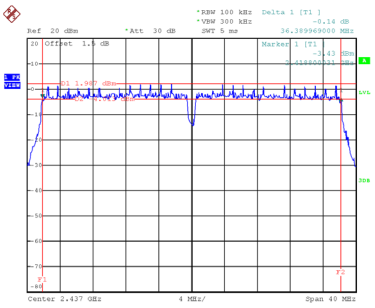
Test Mode	TX N-40M Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
03	2422	36.36	500	Complies
06	2437	36.39	500	Complies
09	2452	36.44	500	Complies

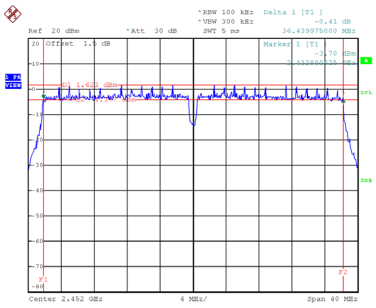
CH03



CH06

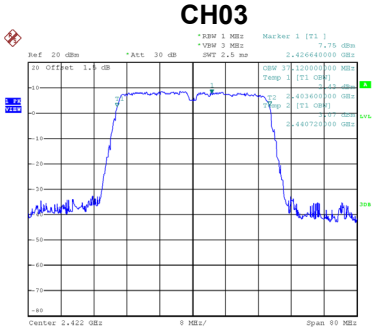


CH09

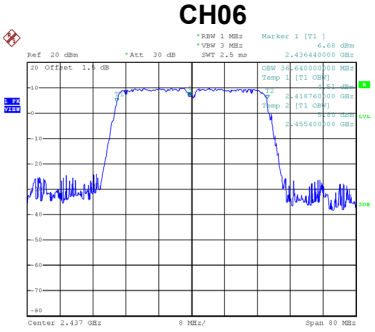


Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
03	2422	37.12	Complies
06	2437	36.64	Complies
09	2452	37.12	Complies

CH03



CH06



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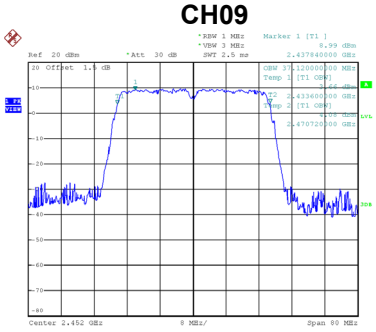
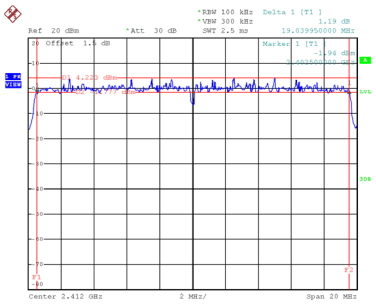


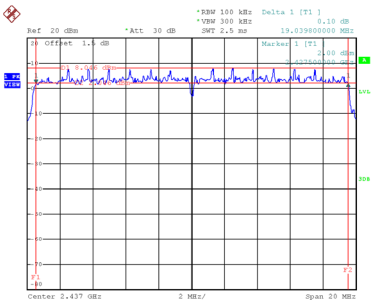
Test Mode	TX AX-20M Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	19.04	500	Complies
06	2437	19.04	500	Complies
11	2462	19.07	500	Complies

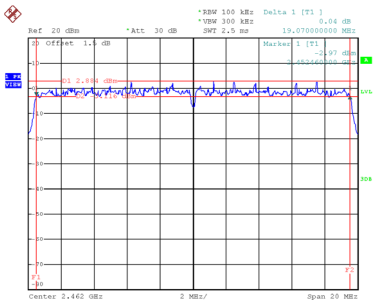
CH01



CH06

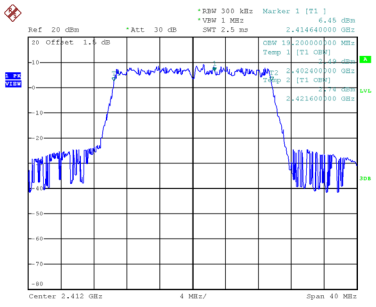


CH11

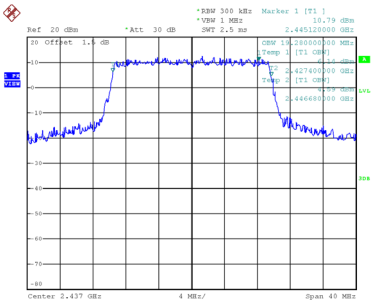


Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	19.20	Complies
06	2437	19.28	Complies
11	2462	19.12	Complies

CH01



CH06



CH11