FCC Radio Test Report

FCC ID: TE7M5V3

This report concerns: Original Grant

Project No.	:	1907C037
Equipment	:	AC1300 Whole Home Mesh Wi-Fi System
Brand Name	:	tp-link
Test Model	:	Deco M5
Series Model	:	N/A
Applicant	:	TP-Link Technologies Co., Ltd.
Address	:	Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Manufacturer	:	TP-Link Technologies Co., Ltd.
Address	:	Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Date of Receipt	:	Jul. 03, 2019
Date of Test	:	Jul. 05, 2019 ~ Sep. 24, 2019
Issued Date	:	Oct. 24, 2019
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG190703114
Standard(s)	:	FCC Part15, Subpart C (15.247)
		ANSI C63.10-2013
		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.

Kai Xu

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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).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

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

The information, data and test plan are provided by manufacturer 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.	Oct. 24, 2019

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 Average 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	150 kHz ~ 30 MHz	2.32

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	-	3.80
		26.5GHz ~ 40GHz	-	4.30

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	25°C	53%	AC 120V/60Hz	Laughing Zhang
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Laughing Zhang
Radiated Emissions-30 MHz to 1GHz	24°C	68%	AC 120V/60Hz	Laughing Zhang
Radiated Emissions-Above 1000 MHz	25°C	60%	AC 120V/60Hz	Laughing Zhang
Bandwidth	23.3°C	56.4%	AC 120V/60Hz	Jonas Chen
Maximum Average Output Power	23.3°C	56.4%	AC 120V/60Hz	Jonas Chen
Conducted Spurious Emissions	23.3°C	56.4%	AC 120V/60Hz	Jonas Chen
Power Spectral Density	23.3°C	56.4%	AC 120V/60Hz	Jonas Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AC1300 Whole Home Mesh Wi-Fi System
Brand Name	tp-link
Test Model	Deco M5
Series Model	N/A
Model Difference(s)	N/A
Software Version	V3
Hardware Version	V3
Power Source	DC voltage supplied from AC/DC adapter. Brand / Model: tp-link/T120120-2B4
Power Rating	I/P: 100-240V~ 50/60Hz 0.4A O/P: 12V ⎓ 1.2A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps
Maximum Average Output Power for Non-Beamforming	IEEE 802.11b: 26.06 dBm (0.4036 W) IEEE 802.11g: 25.92 dBm (0.3908 W) IEEE 802.11n (HT20): 26.03 dBm (0.4009 W) IEEE 802.11n (HT40): 22.04 dBm (0.1600 W)
Maximum Average Output Power for Beamforming	IEEE 802.11n (HT20): 25.54 dBm (0.3581 W) IEEE 802.11n (HT40): 22.25 dBm (0.3899 W)

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

2. Channel List:

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

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	TP-LINK	3101502591	Internal	Weld	1.30
2	TP-LINK	3101502592	Internal	Weld	1.30

Note:
(1) This EUT supports CDD, and all antennas have the same gain.
   So, the directional gain = G_{ANT}+Array Gain.
   For power Directional gain=1.30.
   For power spectral density measurements, Array Gain=$10\log(N_{ANT}/N_{SS})$ dB,
   that is Directional gain = $1.30+10\log(2/1)$dBi=4.31
(2) For Beamforming Gain: 3.00 dB. So the Directional gain = 3.00+1.30=4.30.

4. Table for Antenna Configuration:

For Non Beamforming:

Operating Mode / TX Mode	2TX
IEEE 802.11b	V (Ant. 1 + 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)

For Beamforming:

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

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 B Mode Channel 01/02/06/10/11
Mode 6	TX G Mode Channel 01/02/06/10/11
Mode 7	TX N-20 MHz Mode Channel 01/02/06/10/11
Mode 8	TX N-40 MHz Mode Channel 03/04/07/08/09
Mode 9	TX B Mode Channel 11

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

AC power line conducted emissions test	
Final Test Mode:	Description
Mode 5	TX B Mode Channel 11

Radiated emissions test - Below 1GHz	
Final Test Mode:	Description
Mode 5	TX B Mode Channel 11

Radiated emissions test- Above 1GHz for Non Beamforming	
Final Test Mode:	Description
Mode 1	TX B Mode Channel 01/02/06/10/11
Mode 2	TX G Mode Channel 01/02/06/10/11
Mode 3	TX N-20 MHz Mode Channel 01/02/06/10/11
Mode 4	TX N-40 MHz Mode Channel 03/04/07/08/09

Radiated emissions test- Above 1GHz for Beamforming	
Final Test Mode:	Description
Mode 5	TX N-20 MHz Mode Channel 01/02/06/10/11
Mode 6	TX N-40 MHz Mode Channel 03/04/07/08/09

Output Power test for Non Beamforming	
Final Test Mode:	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09

Output Power test for Beamforming	
Final Test Mode:	Description
Mode 5	TX N-20 MHz Mode Channel 01/06/11
Mode 6	TX N-40 MHz Mode Channel 03/06/09

Others Conducted test	
Final Test Mode:	Description
Mode 7	TX B Mode Channel 01/06/11
Mode 8	TX G Mode Channel 01/06/11
Mode 9	TX N-20 MHz Mode Channel 01/06/11
Mode 10	TX N-40 MHz Mode Channel 03/06/09

NOTE:

(1) The measurements are performed at the high, middle, low available channels.

(2) For radiated emission below 1 GHz test, the IEEE 802.11b channel 11 is found to be the worst case and recorded.

(3) 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.

(4) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.

(5) The measurements for Power and radiated emission were tested, the worst cases were Non - Beamforming, and only the worst cases were documented for other test items.

2.3 PARAMETERS OF TEST SOFTWARE

Non-Beamforming

Test Software	QDART		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	22	22	22
IEEE 802.11g	19	24	19
IEEE 802.11n (HT20)	18.5	24	17.5
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	17	19.5	17

Beamforming

Test Software	QDART		
Frequency (MHz)	2412	2437	2462
IEEE 802.11n (HT20)	19	23	18
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	18	19.5	17

2.4 DUTY CYCLE

If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.
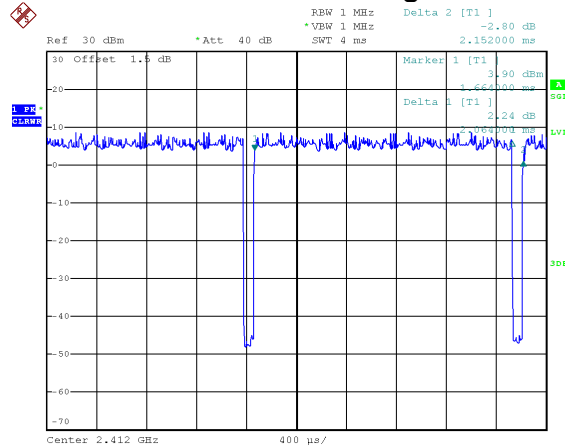The output power = measured power + duty factor.
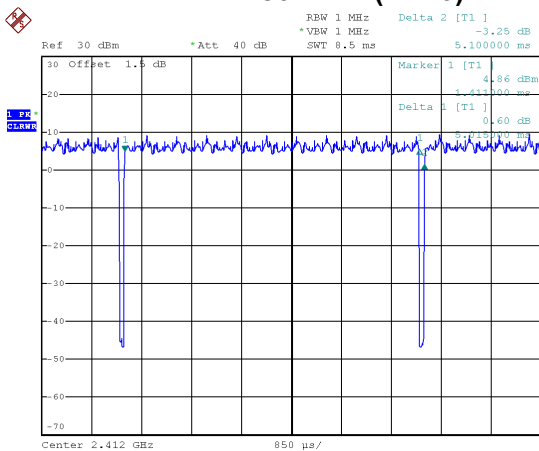
IEEE 802.11b
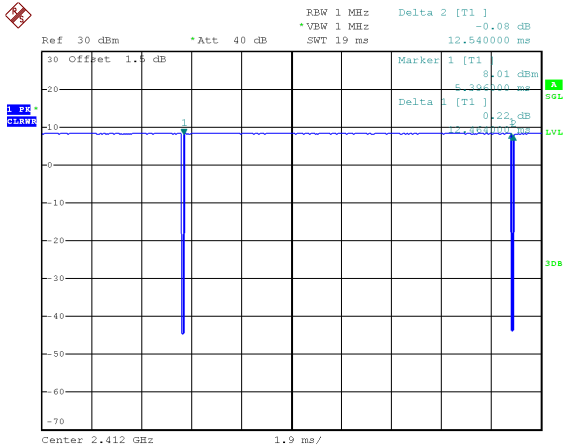
Date: 6.JUL.2019 16:59:50

Duty cycle = 12.464 ms / 12.540 ms = 99.39%
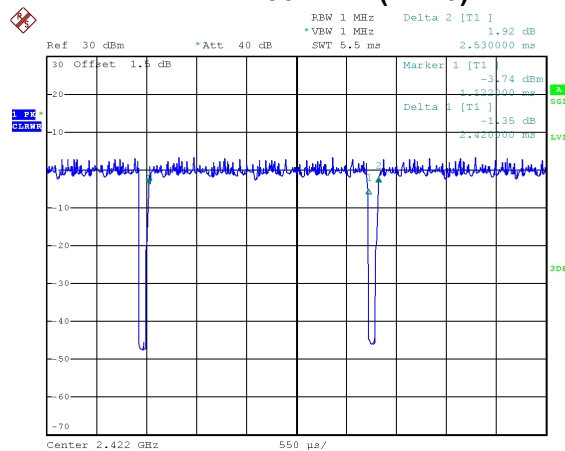Duty Factor = 10 log(1/Duty cycle) = 0.00

IEEE 802.11g

Date: 6.JUL.2019 17:00:09

Duty cycle = 2.064 ms / 2.152 ms = 95.91%
Duty Factor = 10 log(1/Duty cycle) = 0.18

IEEE 802.11n (HT20)

Date: 6.JUL.2019 17:00:26

Duty cycle = 5.015 ms / 5.100 ms = 98.33%
Duty Factor = 10 log(1/Duty cycle) = 0.00

IEEE 802.11n (HT40)

Date: 6.JUL.2019 17:00:46

Duty cycle = 2.420 ms / 2.530 ms = 95.65%
Duty Factor = 10 log(1/Duty cycle) = 0.19

NOTE:
For IEEE 802.11g and IEEE 802.11n (HT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

For IEEE 802.11n (HT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED
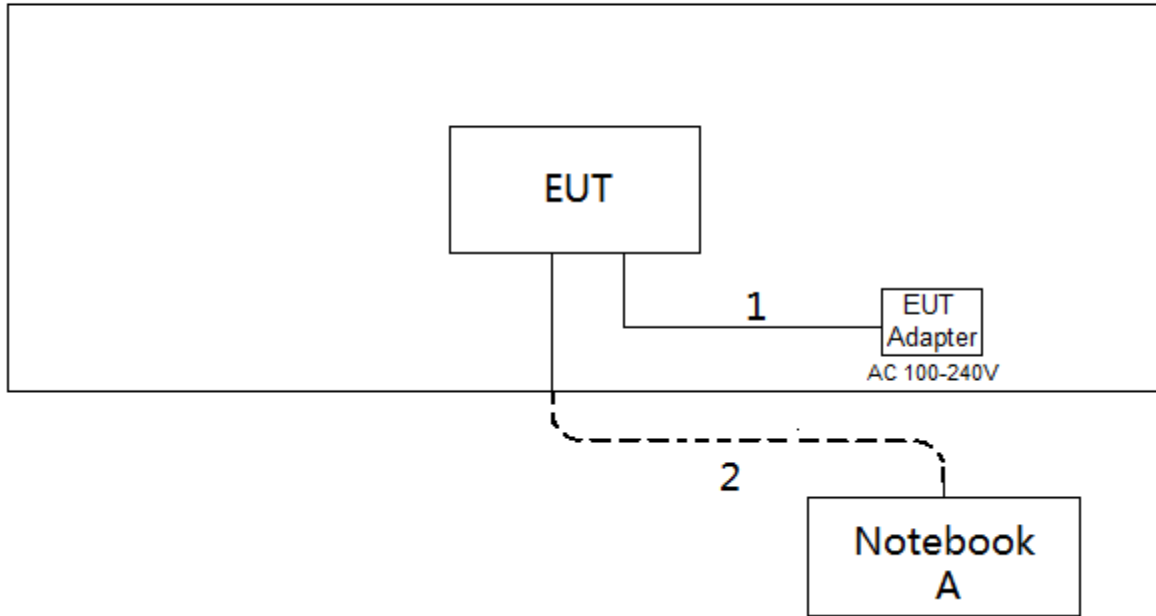
2.6 SUPPORT UNITS

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

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

Vertical Reference Ground Plane

40 cm

EUT

Test Receiver

80 cm

LISN

Horizontal Reference Ground Plane
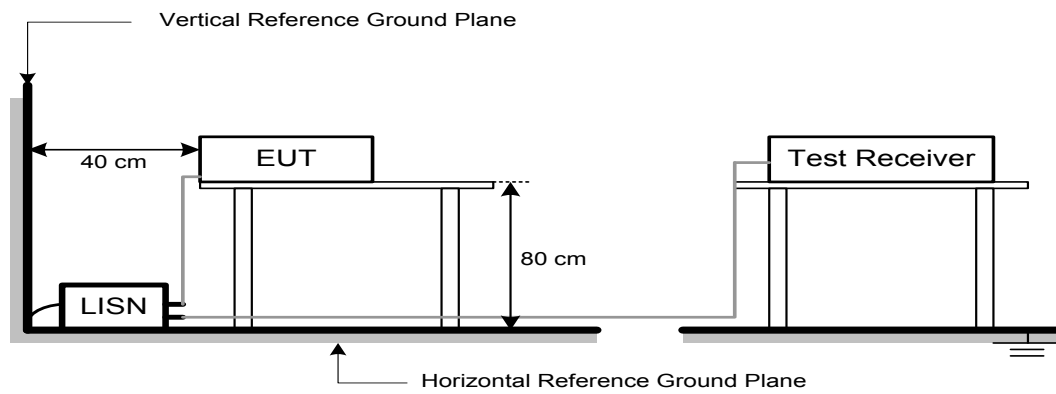
3.5 EUT OPERATION CONDITIONS
EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS
Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

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

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

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

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector

4.2 TEST PROCEDURE

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

b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)

c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).

e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.

f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1 GHz)

h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)

i. For the actual test configuration, please refer to the related Item -EUT Test Photos.
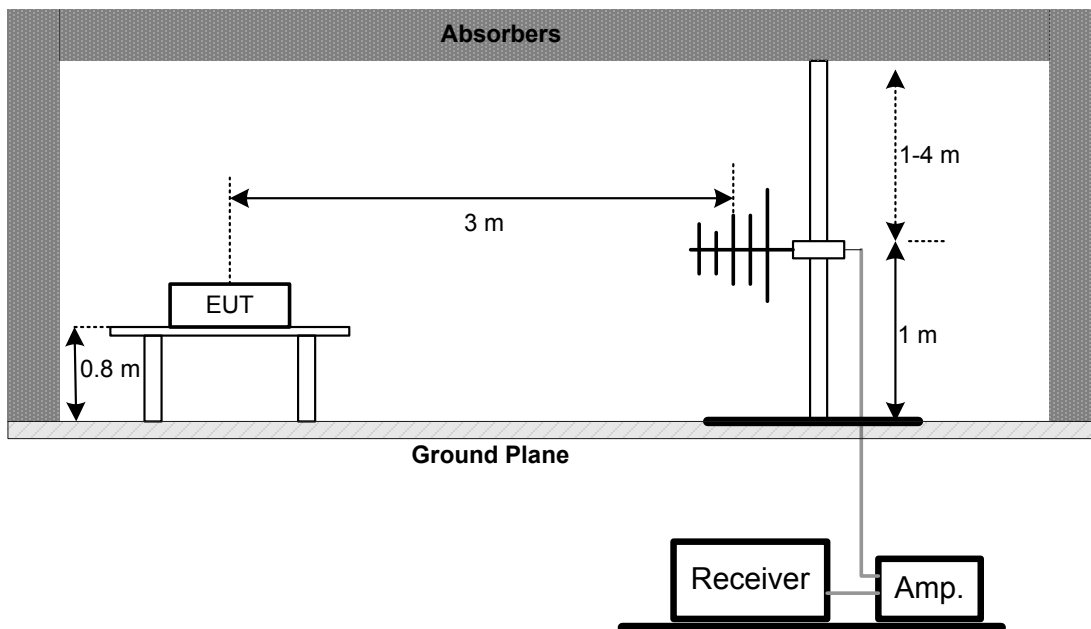
4.3 DEVIATION FROM TEST STANDARD

No deviation

4.4 TEST SETUP

9 kHz-30 MHz
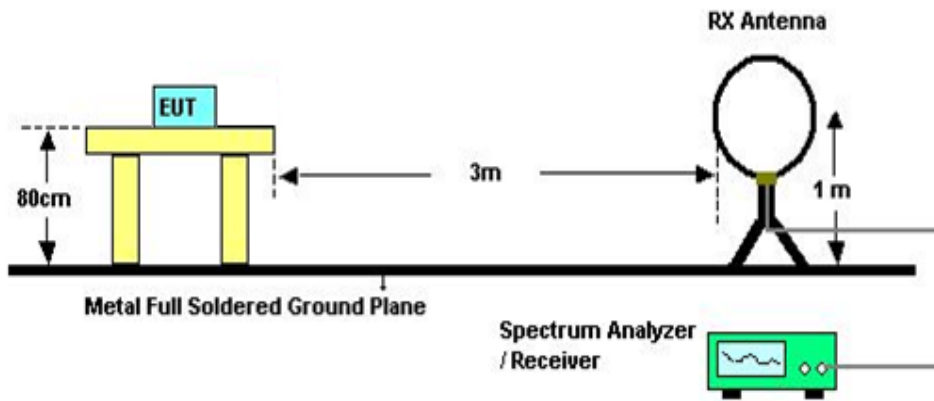
30 MHz to 1 GHz

Above 1 GHz
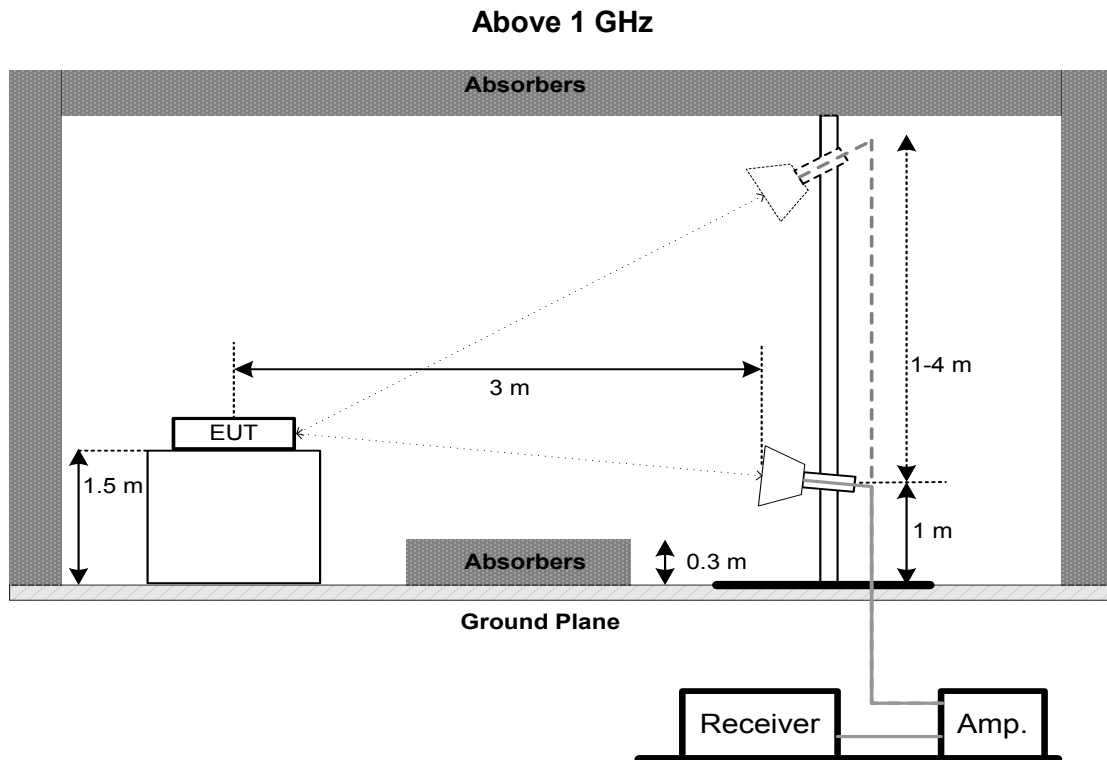
4.5 EUT OPERATION CONDITIONS
The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ
Please refer to the APPENDIX B

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

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ
Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHZ
Please refer to the APPENDIX D.

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

5. BANDWIDTH TEST

5.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(a)(2)	6 dB Bandwidth	Minimum 500 kHz
	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 = 2.5 ms.
   For 99% Emission Bandwidth B/G/N-20 Mode: RBW= 300 KHz, VBW=1 MHz, Sweep time = 2.5 ms.
   For 99% Emission Bandwidth N-40 Mode: RBW= 1 MHz, VBW=3 MHz, Sweep time = 2.5 ms.
c. The bandwidth was performed in accordance with method 11.8.1 of ANSI C63.10-2013.

5.3 DEVIATION FROM STANDARD
No deviation.

5.4 TEST SETUP

```
┌──────────┐              ┌────────────────┐
│   EUT    │──────────────│    SPECTRUM    │
│          │              │    ANALYZER    │
└──────────┘              └────────────────┘
```

5.5 EUT OPERATION CONDITIONS
The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS
Please refer to the APPENDIX E.

6. MAXIMUM AVERAGE OUTPUT POWER TEST

6.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(b)(3)	Maximum Average 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 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

6.3 DEVIATION FROM STANDARD
No deviation.

6.4 TEST SETUP

```
┌──────────┐                    ┌────────────────────┐
│   EUT    │────────────────────│    Power Meter     │
│          │                    │                    │
└──────────┘                    └────────────────────┘
```

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	Mar. 10, 2020
2	LISN	EMCO	3816/2	52765	Mar. 10, 2020
3	50ohm Terminator	SHX	TF5-3	15041305	Mar. 10, 2020
4	Artificial-Mains Network	Schwarzbeck	NSLK 8127	8127685	Mar. 10, 2020
5	TRANSIENT LIMITER	EM	EM-7600	772	Mar. 10, 2020
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
7	Cable	N/A	RG223	12m	Mar. 12, 2020

Radiated Emissions - 9 kHz to 30 MHz				
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EM	EM-6876-1	230	Jan. 15, 2020
2	Cable	N/A	RG 213/U	C-102	May 31, 2020
3	EMI Test Receiver	R&S	ESCI	100895	Mar. 10, 2020
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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, 2020
2*	Amplifier*	HP	8447D	2944A09673	Aug. 11, 2021
3	Receiver	Agilent	N9038A	MY52130039	Aug. 03, 2020
4	Cable	emci	LMR-400(30MHz-1GHz)(8m+5m)	N/A	May 24, 2020
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

Radiated Emissions - Above 1 GHz				
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 09, 2020
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 23, 2020
3	Amplifier	Agilent	8449B	3008A02333	Mar. 10, 2020
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 10, 2020
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	mitron	B10-01-01-12M	18072744	Jun. 29, 2020
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

|	Bandwidth & Antenna Conducted Spurious Emissions & Power Spectral Density				
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Agilent	N9010A	MY50520044	Mar. 10, 2020

	Maximum Average 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

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

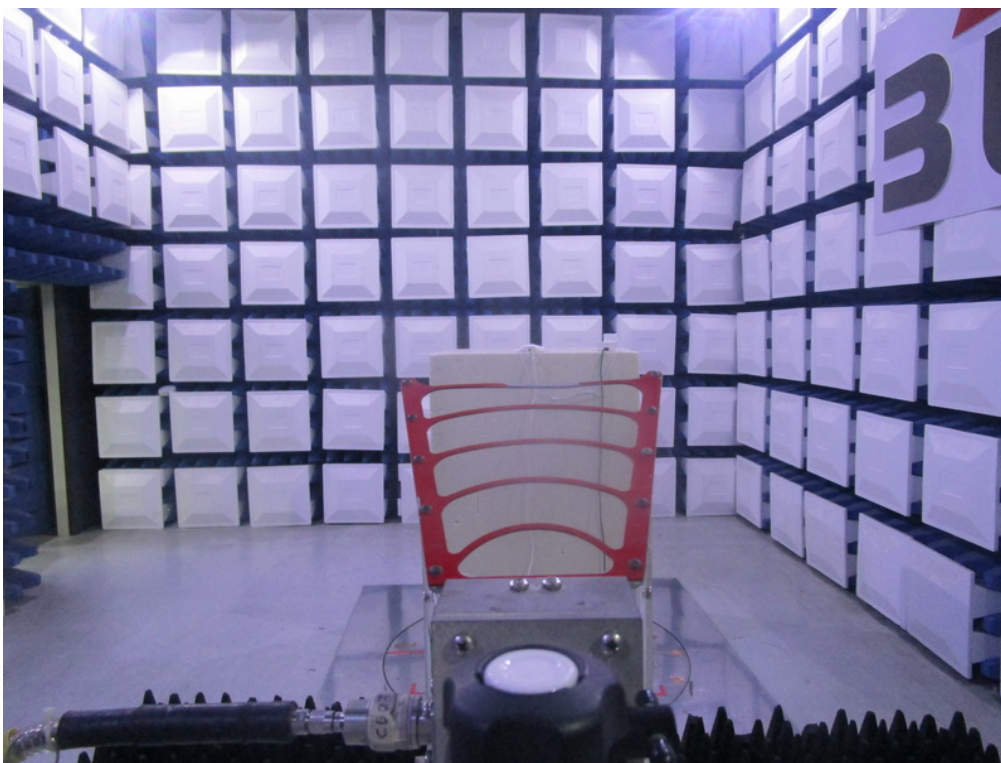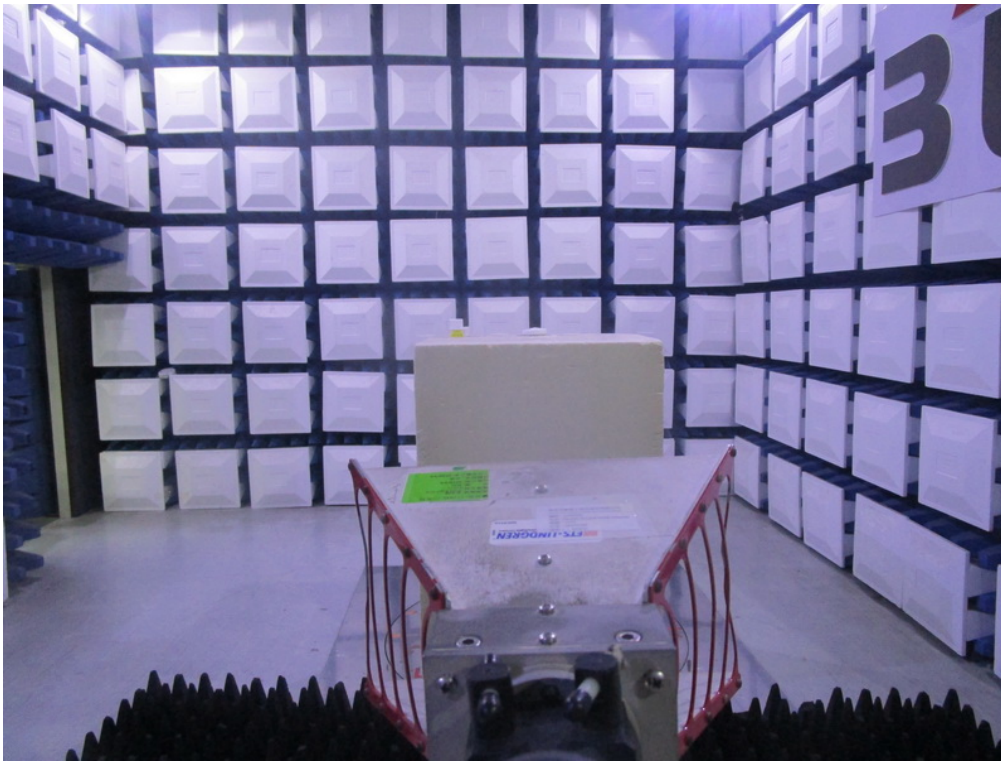**AC Power Line Conducted Emissions Test Photos**

Radiated Emissions Test Photos

9 kHz to 30 MHz

Radiated Emissions Test Photos
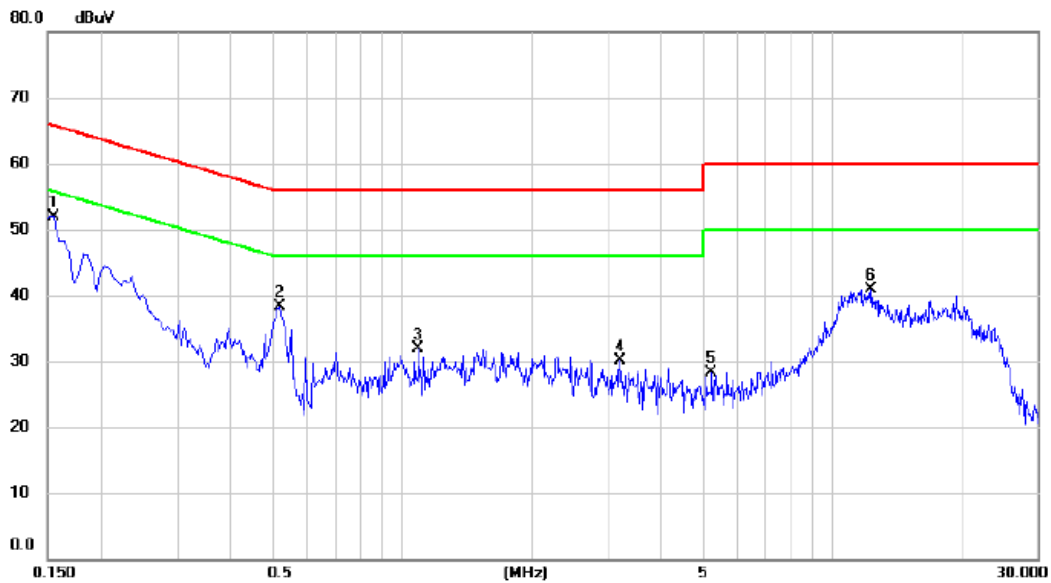
30 MHz to 1 GHz
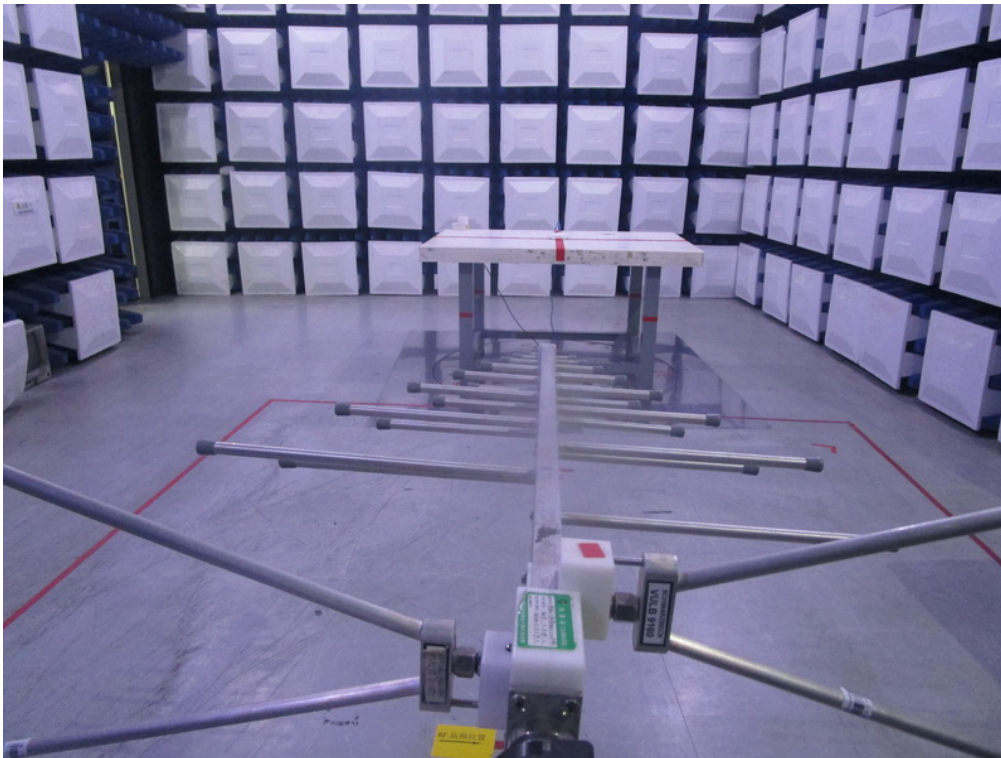
Radiated Emissions Test Photos

Above 1 GHz

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode:	TX B Mode Channel 11

Line

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.1545	42.14	9.82	51.96	65.75	-13.79	peak	
2		0.5190	28.45	9.88	38.33	56.00	-17.67	peak	
3		1.0905	21.89	9.93	31.82	56.00	-24.18	peak	
4		3.2055	19.96	10.08	30.04	56.00	-25.96	peak	
5		5.2215	18.11	10.21	28.32	60.00	-31.68	peak	
6		12.2595	30.31	10.61	40.92	60.00	-19.08	peak	

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

Test Mode:	TX B Mode Channel 11

Neutral
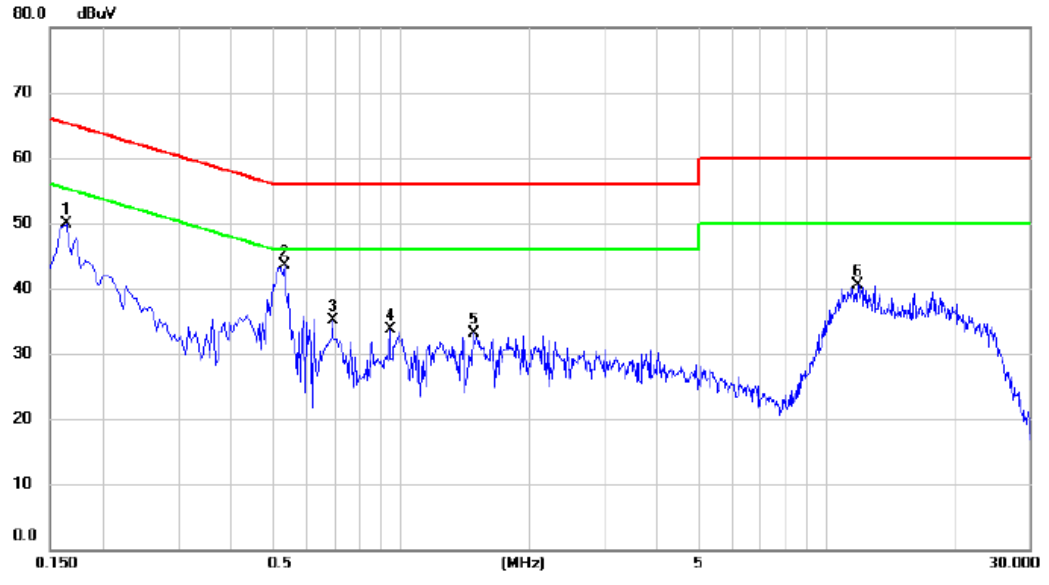
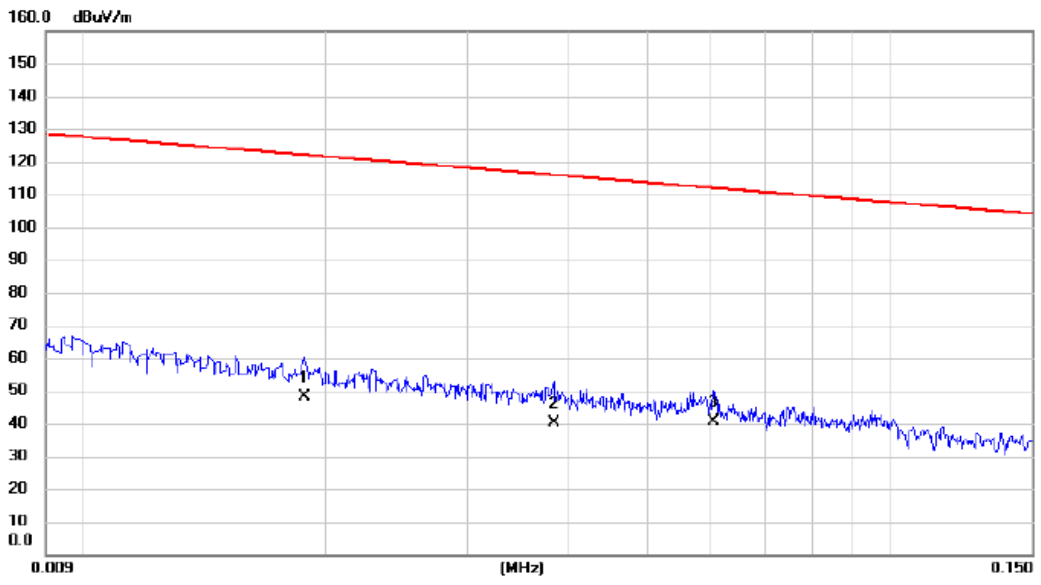| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1635	39.93	9.91	49.84	65.28	-15.44	peak	
2	*	0.5325	33.38	10.03	43.41	56.00	-12.59	peak	
3		0.6900	24.94	10.07	35.01	56.00	-20.99	peak	
4		0.9420	23.64	10.11	33.75	56.00	-22.25	peak	
5		1.4865	23.00	10.15	33.15	56.00	-22.85	peak	
6		11.8635	29.66	10.88	40.54	60.00	-19.46	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 B Mode Channel 11

Ant 0°

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0188	34.20	14.18	48.38	122.12	-73.74	AVG	
2		0.0383	26.30	13.89	40.19	115.94	-75.75	AVG	
3	*	0.0605	26.70	13.76	40.46	111.97	-71.51	AVG	

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

Test Mode:	TX B Mode Channel 11

Ant 0°
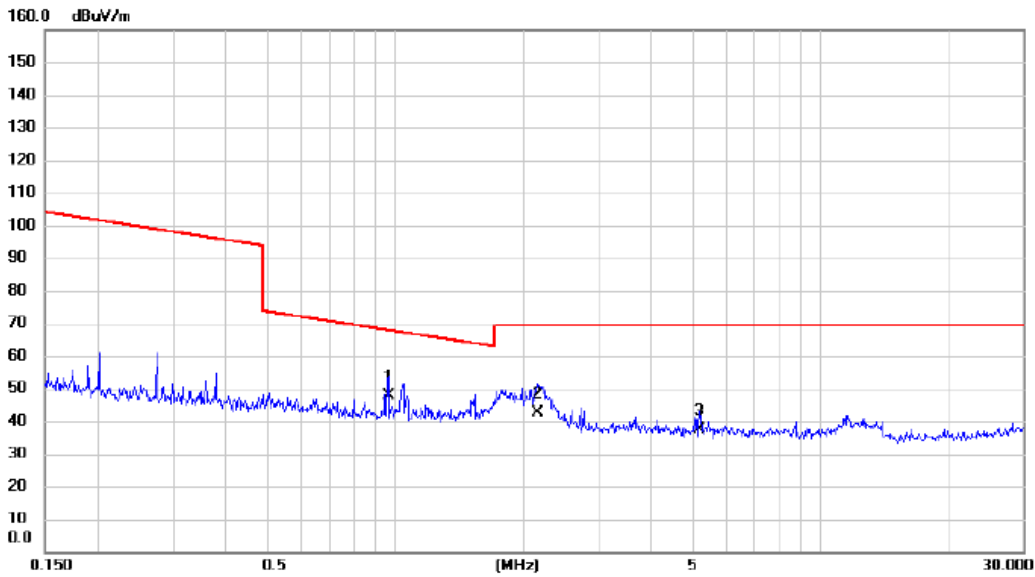
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	0.9632	35.30	12.51	47.81	67.93	-20.12	QP	
2		2.1667	30.90	11.72	42.62	69.54	-26.92	QP	
3		5.1937	26.40	10.89	37.29	69.54	-32.25	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
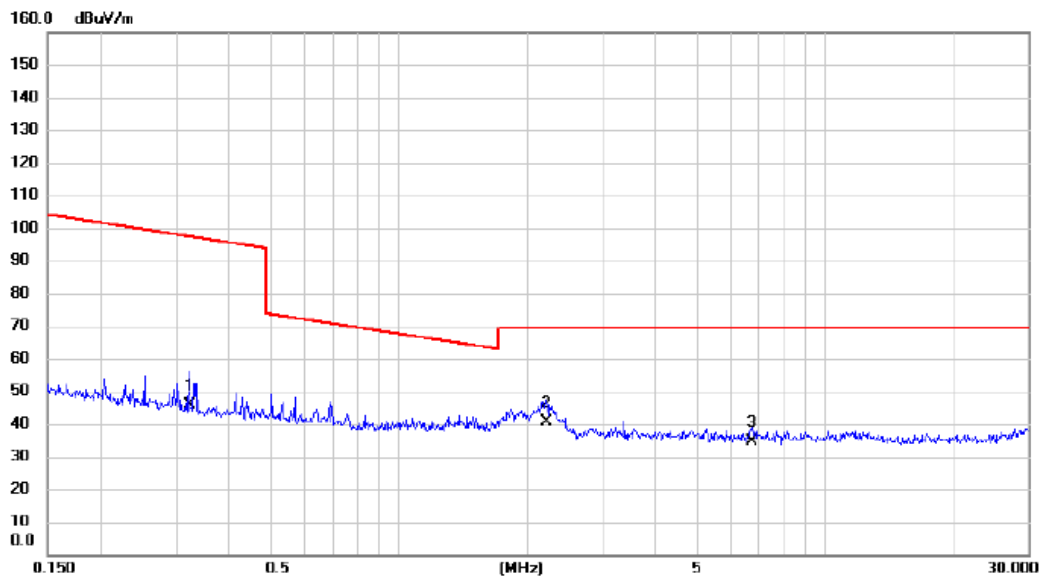
Test Mode:	TX B Mode Channel 11

Ant 90°
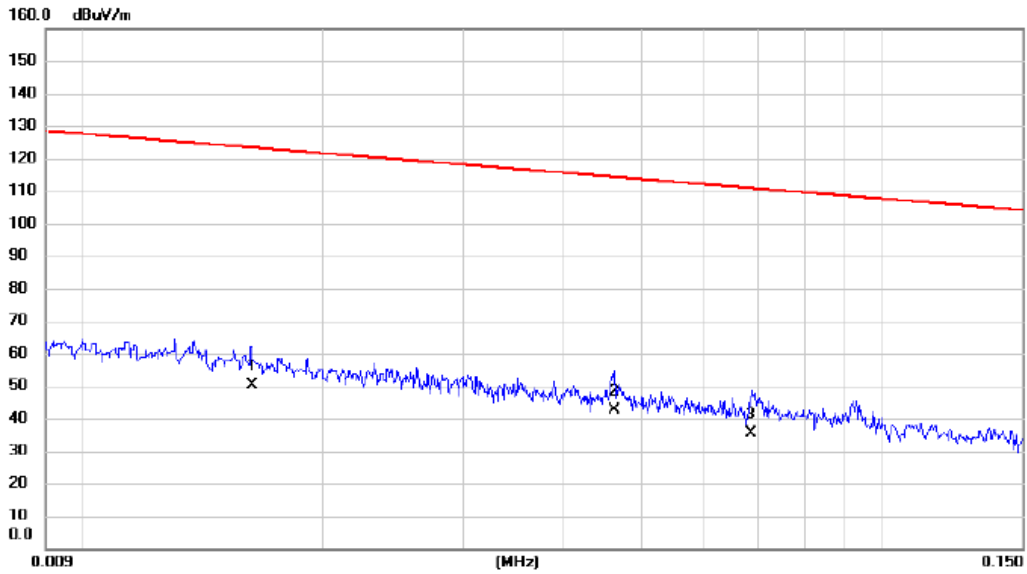
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.0163	35.20	14.93	50.13	123.36	-73.23	AVG	
2	*	0.0463	28.60	13.92	42.52	114.29	-71.77	AVG	
3		0.0687	21.70	13.63	35.33	110.87	-75.54	AVG	

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

Test Mode:	TX B Mode Channel 11

Ant 90°

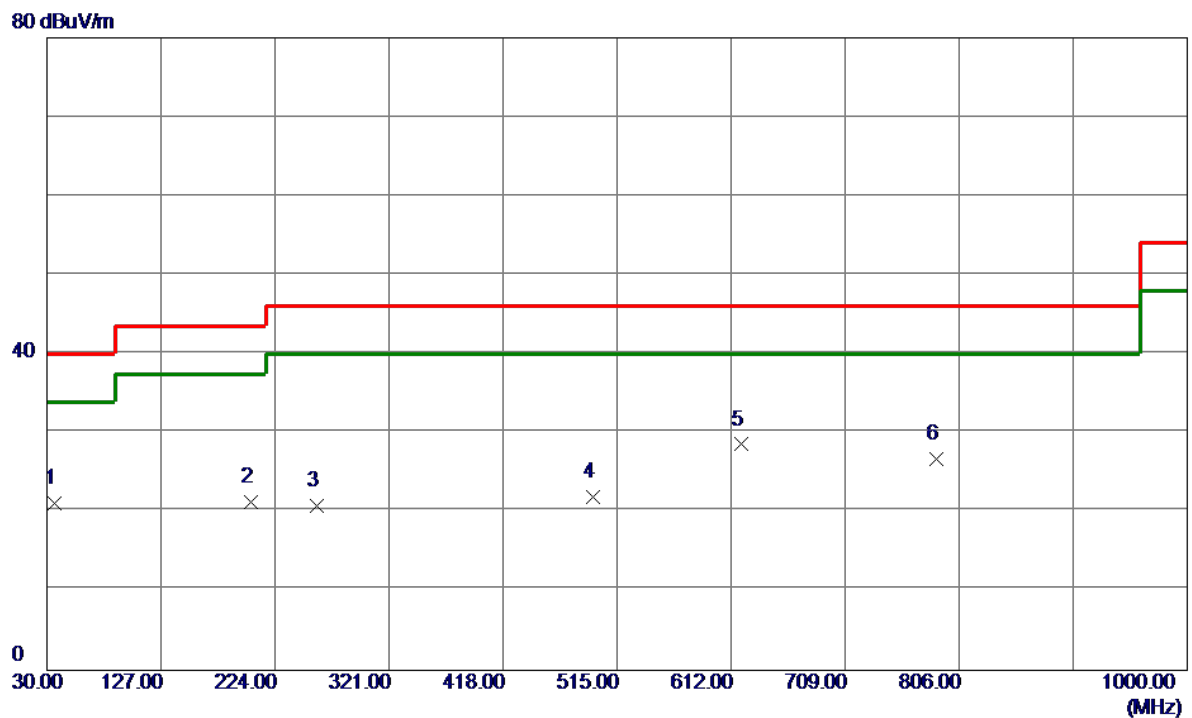| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.3217	32.30	13.49	45.79	97.46	-51.67	AVG	
2	*	2.2132	28.90	11.69	40.59	69.54	-28.95	QP	
3		6.7333	23.50	11.12	34.62	69.54	-34.92	QP	

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 B Mode Channel 11

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		Detector	Comment
1	36.3050	35.73	-14.62	21.11	40.00	-18.89		Peak	
2	203.1450	36.60	-15.32	21.28	43.50	-22.22		Peak	
3	259.8900	33.40	-12.66	20.74	46.00	-25.26		Peak	
4	494.6300	29.66	-7.73	21.93	46.00	-24.07		Peak	
5 *	620.2450	33.87	-5.31	28.56	46.00	-17.44		Peak	
6	787.0850	29.92	-3.17	26.75	46.00	-19.25		Peak	

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

Test Mode:	TX B Mode Channel 11

Horizontal
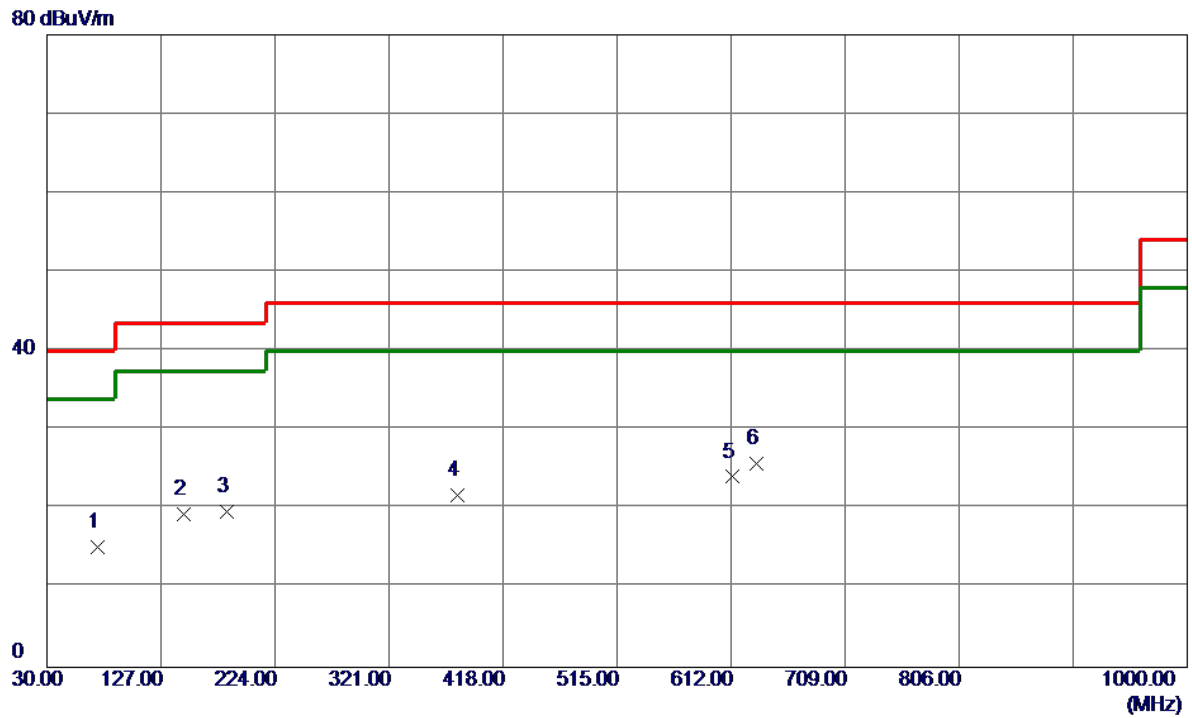
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		Detector	Comment
1	73.1650	32.06	-16.82	15.24	40.00	-24.76		Peak	
2	146.8850	31.88	-12.47	19.41	43.50	-24.09		Peak	
3	183.2600	33.27	-13.57	19.70	43.50	-23.80		Peak	
4	379.2000	31.67	-9.96	21.71	46.00	-24.29		Peak	
5	613.4550	29.53	-5.45	24.08	46.00	-21.92		Peak	
6 *	633.3400	30.77	-5.03	25.74	46.00	-20.26		Peak	

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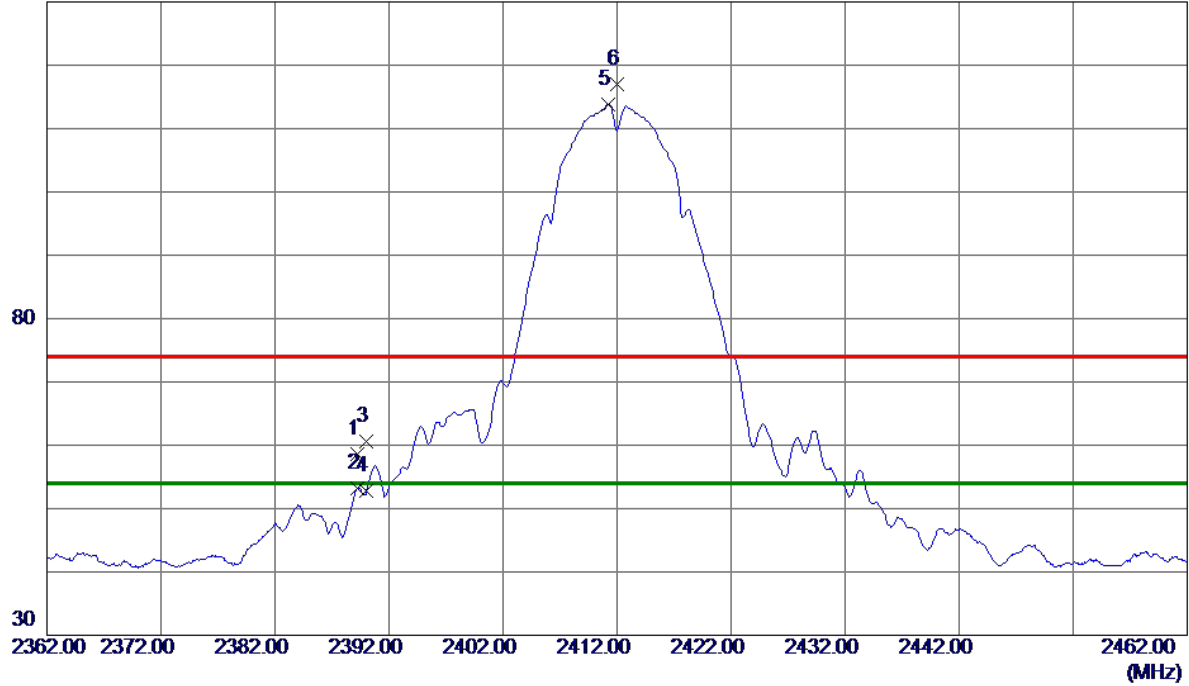(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ
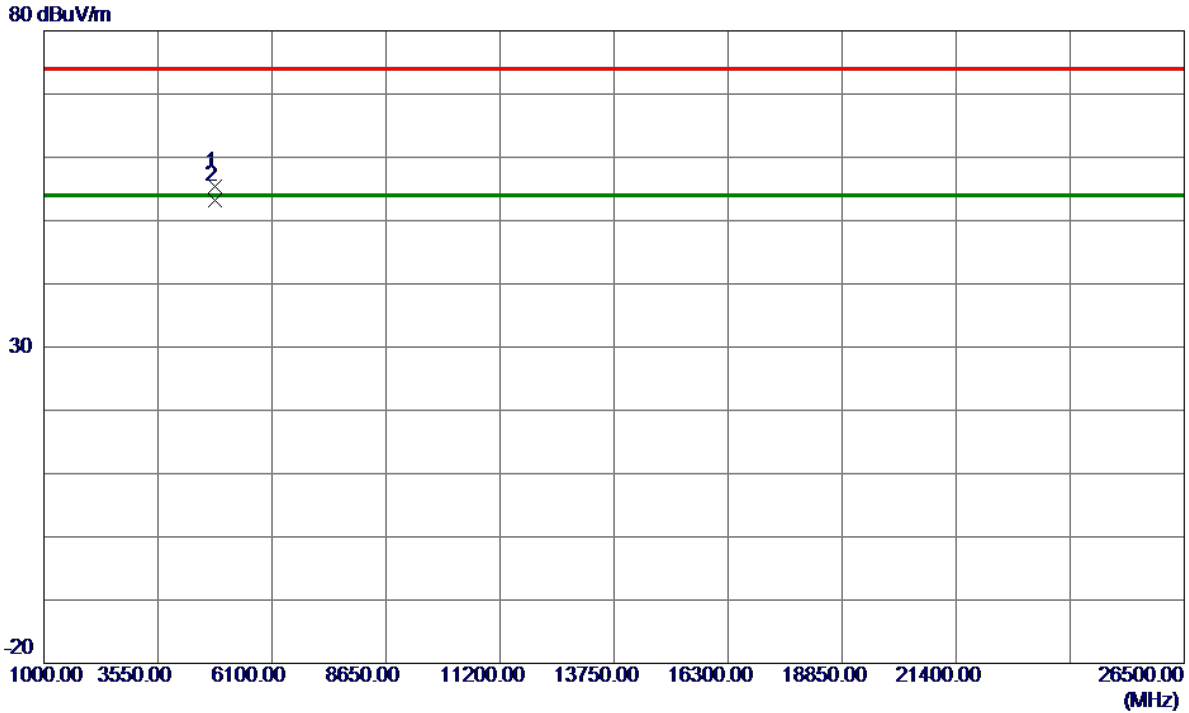
Non-Beamforming

Test Mode:	TX B Mode 2412 MHz

Vertical

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.2500	50.48	8.11	58.59	74.00	-15.41	Peak	
2	2389.2500	45.18	8.11	53.29	54.00	-0.71	AVG	
3	2390.0000	52.55	8.11	60.66	74.00	-13.34	Peak	
4	2390.0000	44.67	8.11	52.78	54.00	-1.22	AVG	
5 *	2411.2500	105.65	8.17	113.82	54.00	59.82	AVG	No Limit
6	2412.0500	108.76	8.17	116.93	74.00	42.93	Peak	No Limit

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

| Test Mode:	TX B Mode 2412 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB			
1	4824.0230	50.71	4.74	55.45	74.00	−18.55		Peak	
2 *	4824.1050	48.39	4.74	53.13	54.00	−0.87		AVG	

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

Test Mode:	TX B Mode 2412 MHz

Horizontal
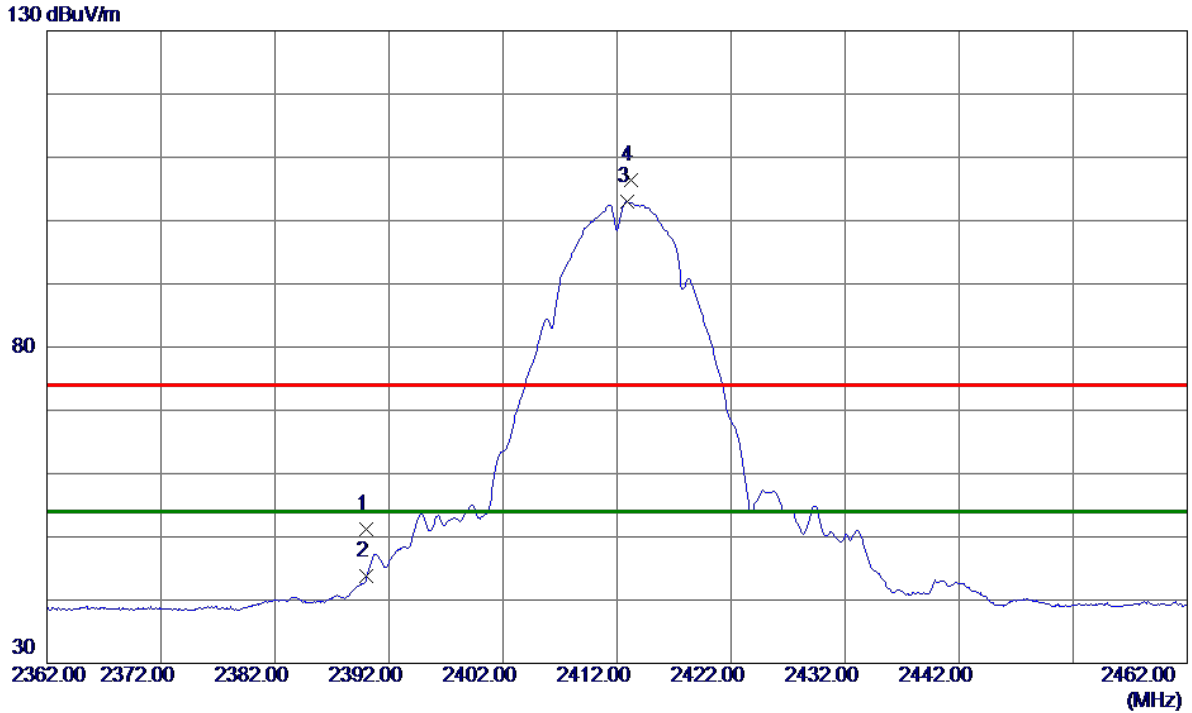
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB			
1	2390.0000	43.18	8.11	51.29	74.00	−22.71		Peak	
2	2390.0000	35.60	8.11	43.71	54.00	−10.29		AVG	
3 *	2412.8500	94.88	8.18	103.06	54.00	49.06		AVG	No Limit
4	2413.2500	98.25	8.18	106.43	74.00	32.43		Peak	No Limit

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

Test Mode:	TX B Mode 2412 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9320	48.41	4.74	53.15	74.00	−20.85	Peak	
2 *	4824.1320	45.61	4.74	50.35	54.00	−3.65	AVG	

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

Test Mode:	TX B Mode 2417 MHz

Vertical
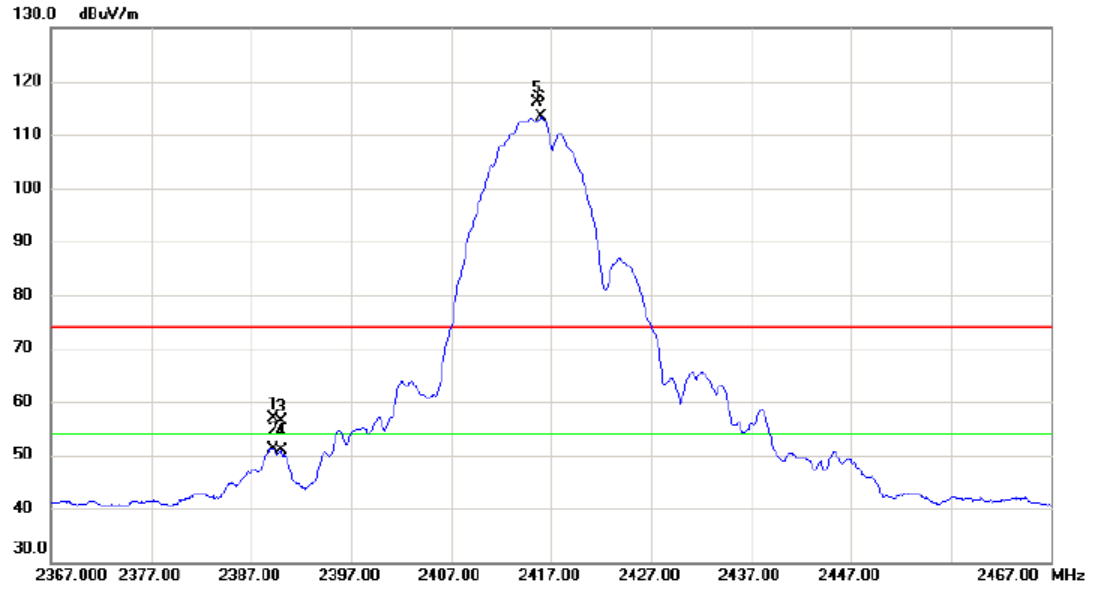
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2389.150	48.71	8.11	56.82	74.00	-17.18	peak	
2		2389.150	43.10	8.11	51.21	54.00	-2.79	AVG	
3		2390.000	48.29	8.11	56.40	74.00	-17.60	peak	
4		2390.000	42.71	8.11	50.82	54.00	-3.18	AVG	
5	X	2415.550	108.03	8.19	116.22	74.00	42.22	peak	No Limit
6	*	2416.050	105.09	8.19	113.28	54.00	59.28	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
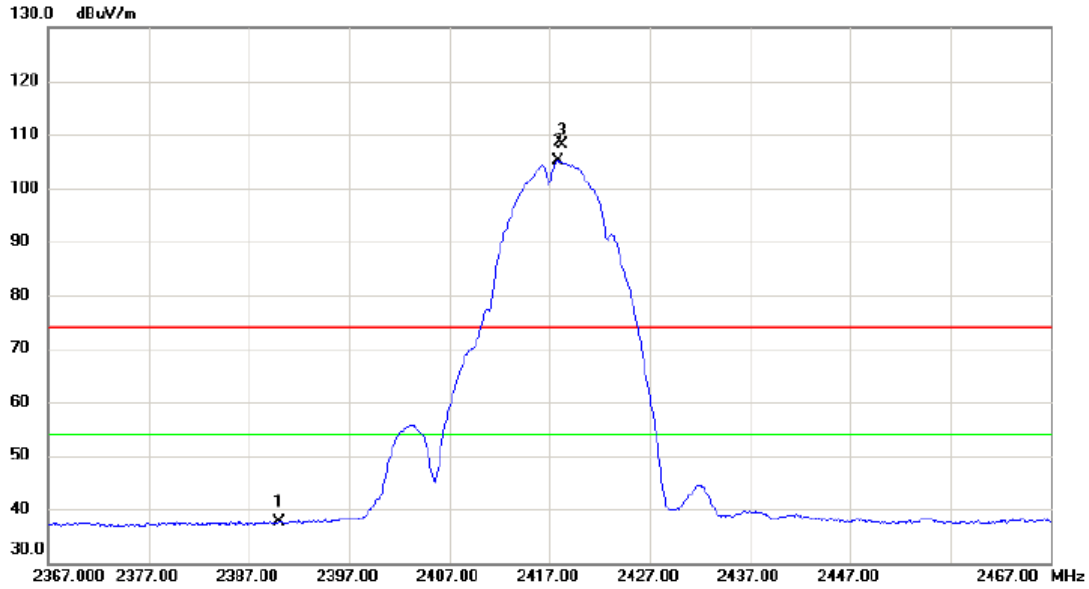
Test Mode:	TX B Mode 2417 MHz

Vertical
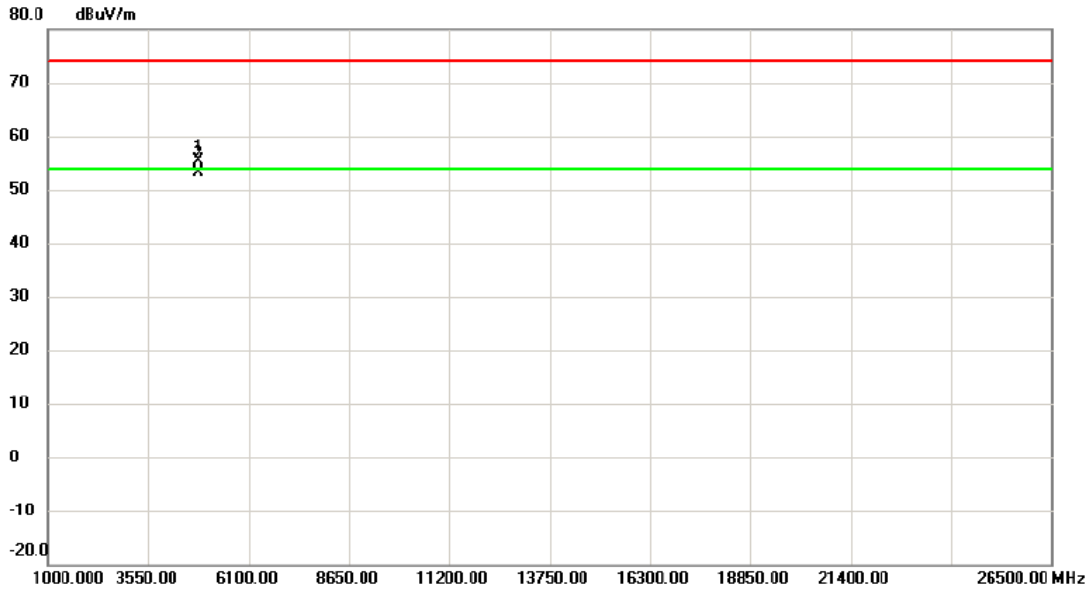
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4834.110	50.59	4.80	55.39	74.00	-18.61	peak	
2	*	4834.140	48.28	4.80	53.08	54.00	-0.92	AVG	

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

| Test Mode:	TX B Mode 2417 MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	30.82	6.76	37.58	54.00	-16.42	AVG	
2	*	2417.800	98.30	6.76	105.06	54.00	51.06	AVG	No Limit
3	X	2418.250	101.50	6.75	108.25	74.00	34.25	peak	No Limit

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

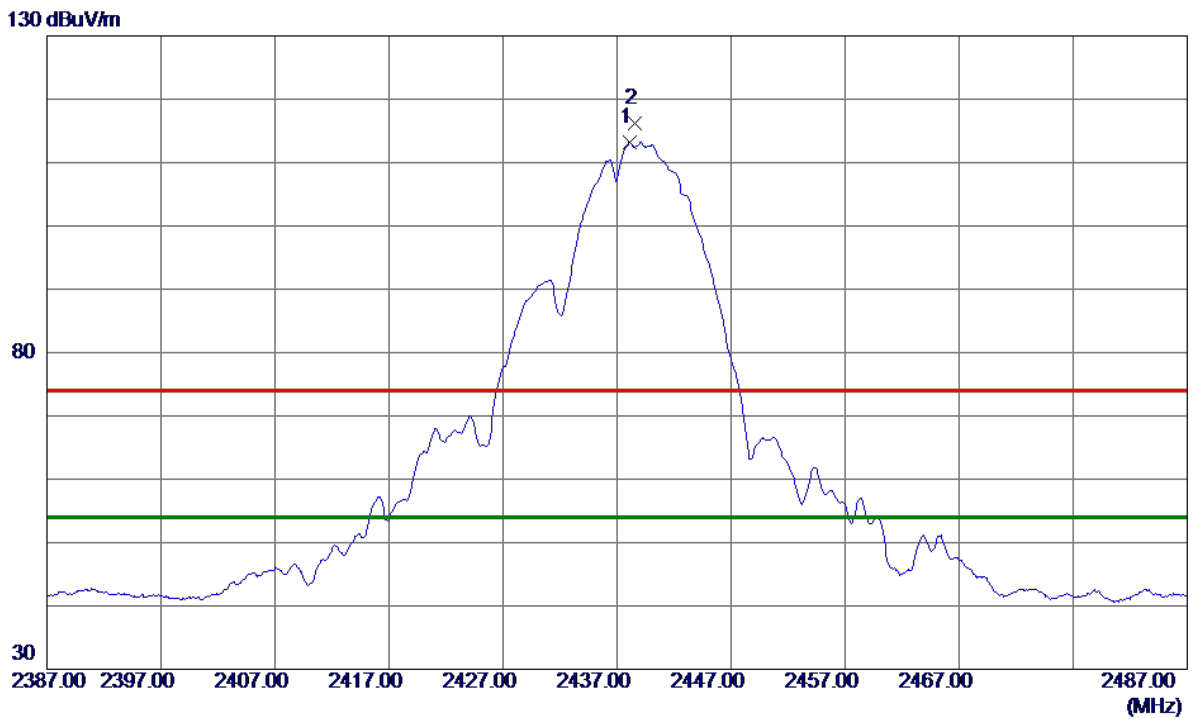| Test Mode:	TX B Mode 2417 MHz

Horizontal
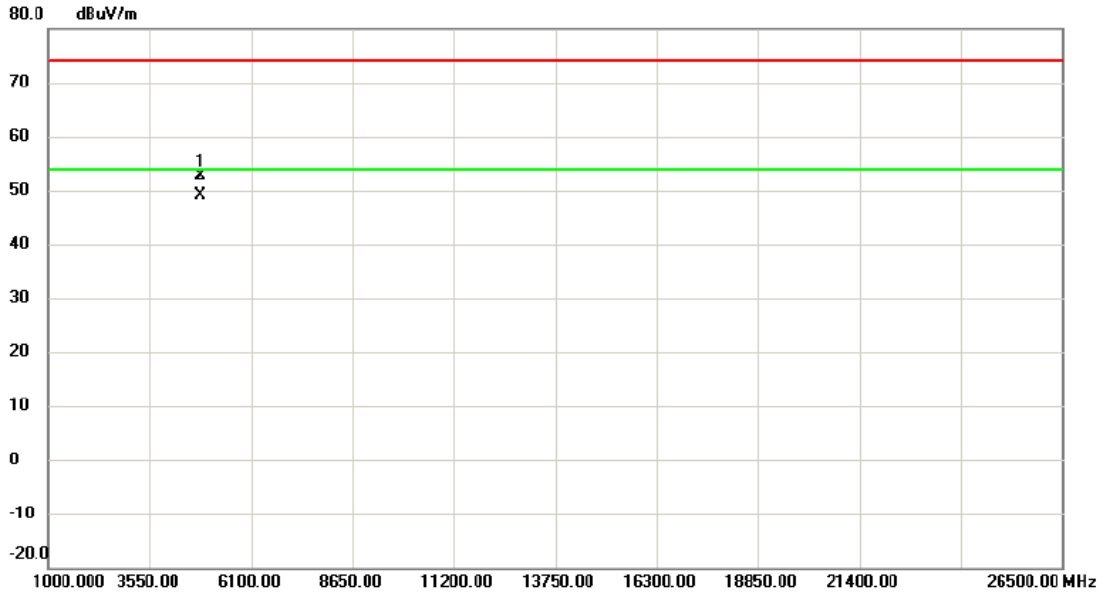
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4832.060	48.65	3.95	52.60	74.00	-21.40	peak	
2	*	4832.238	45.12	3.95	49.07	54.00	-4.93	AVG	

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

| Test Mode:	TX B Mode 2437 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2438.1000	104.91	8.25	113.16	54.00	59.16	AVG	No Limit
2	2438.5500	108.05	8.25	116.30	74.00	42.30	Peak	No Limit

REMARKS:

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

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

Test Mode:	TX B Mode 2437 MHz

Vertical
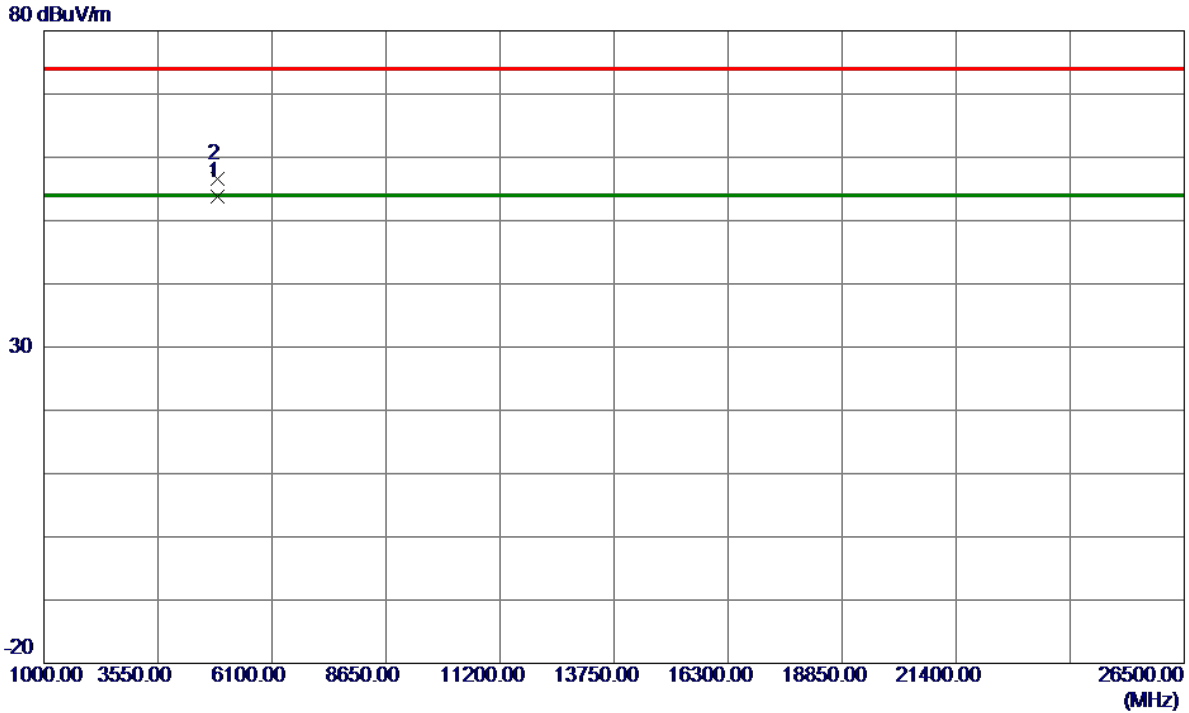
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		Detector	Comment
1 *	4874.1230	48.83	4.99	53.82	54.00	−0.18		AVG	
2	4874.2100	51.55	4.99	56.54	74.00	−17.46		Peak	

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

Test Mode:	TX B Mode 2437 MHz

Horizontal
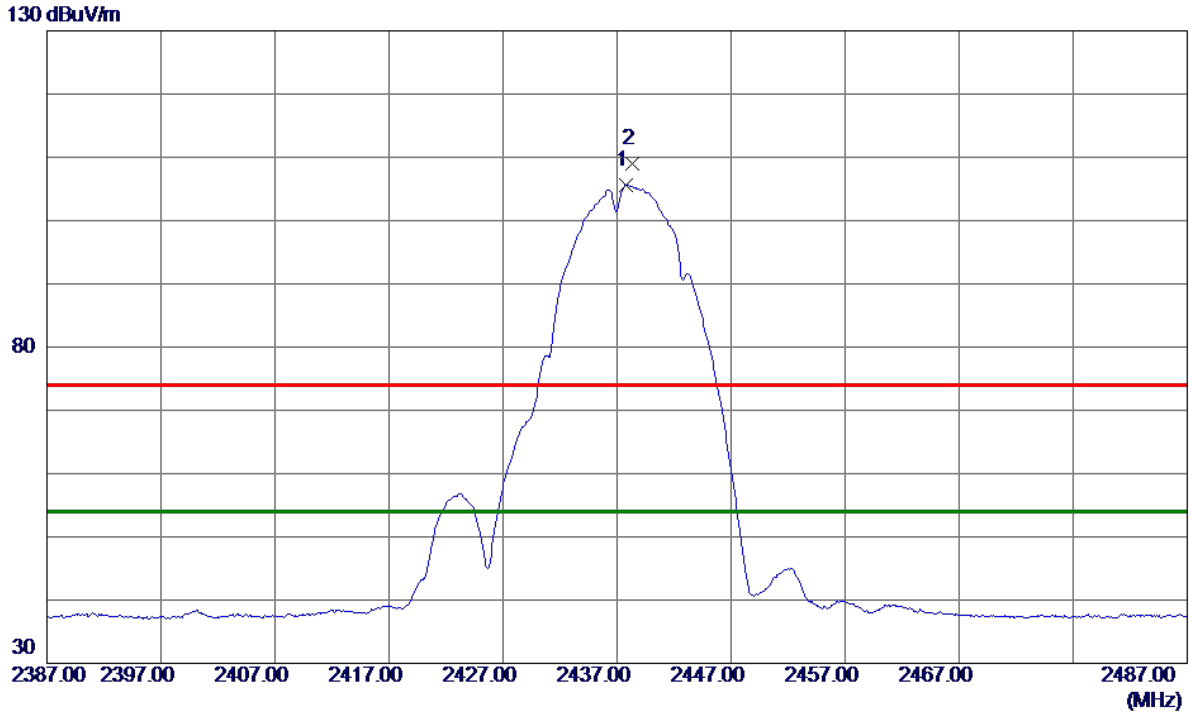
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2437.8000	98.92	6.75	105.67	54.00	51.67	AVG	No Limit
2	2438.3000	102.31	6.75	109.06	74.00	35.06	Peak	No Limit

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

Test Mode:	TX B Mode 2437 MHz

Horizontal
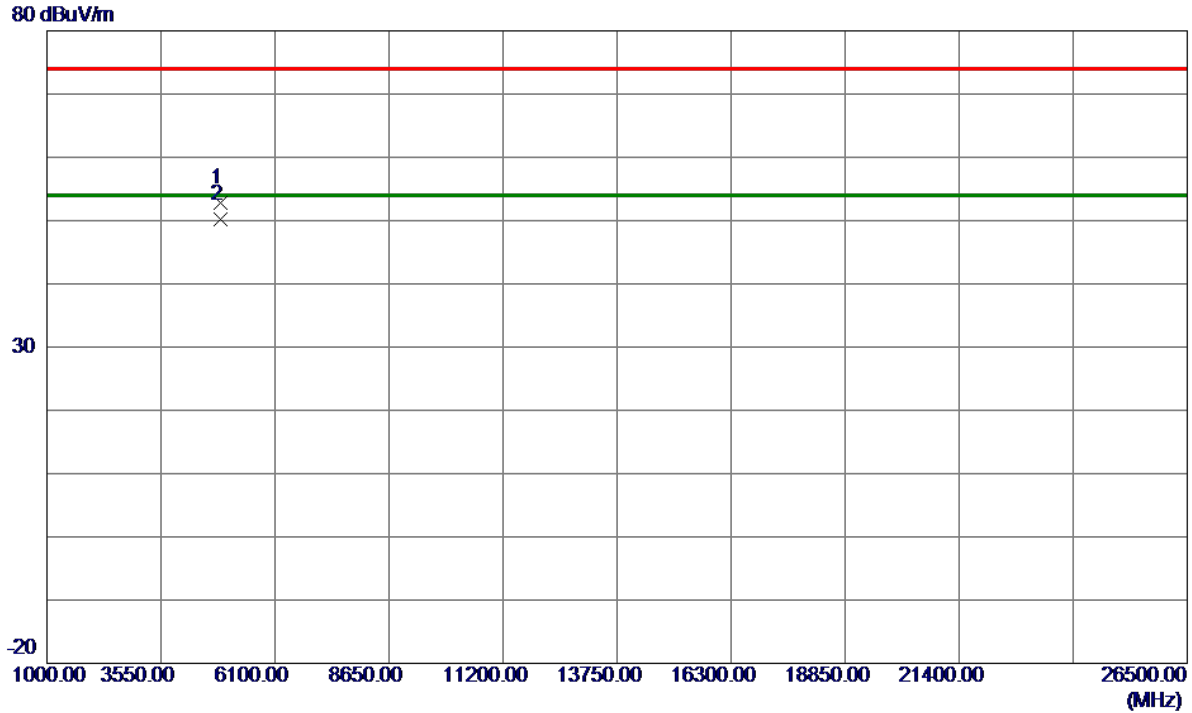
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4871.8250	48.71	4.11	52.82	74.00	−21.18	Peak	
2 *	4876.3950	45.98	4.13	50.11	54.00	−3.89	AVG	

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

Test Mode:	TX B Mode 2457 MHz

Vertical
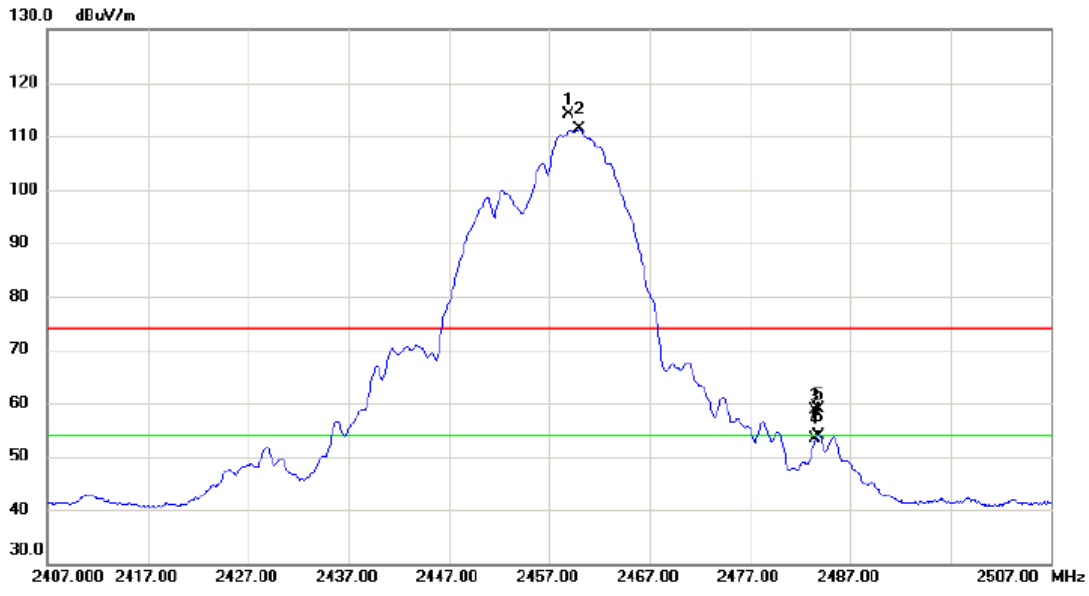
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2458.900	105.78	8.31	114.09	74.00	40.09	peak	No Limit
2	*	2460.050	103.15	8.31	111.46	54.00	57.46	AVG	No Limit
3		2483.500	50.17	8.38	58.55	74.00	-15.45	peak	
4		2483.500	44.88	8.38	53.26	54.00	-0.74	AVG	
5		2483.850	50.57	8.38	58.95	74.00	-15.05	peak	
6		2483.850	45.60	8.38	53.98	54.00	-0.02	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
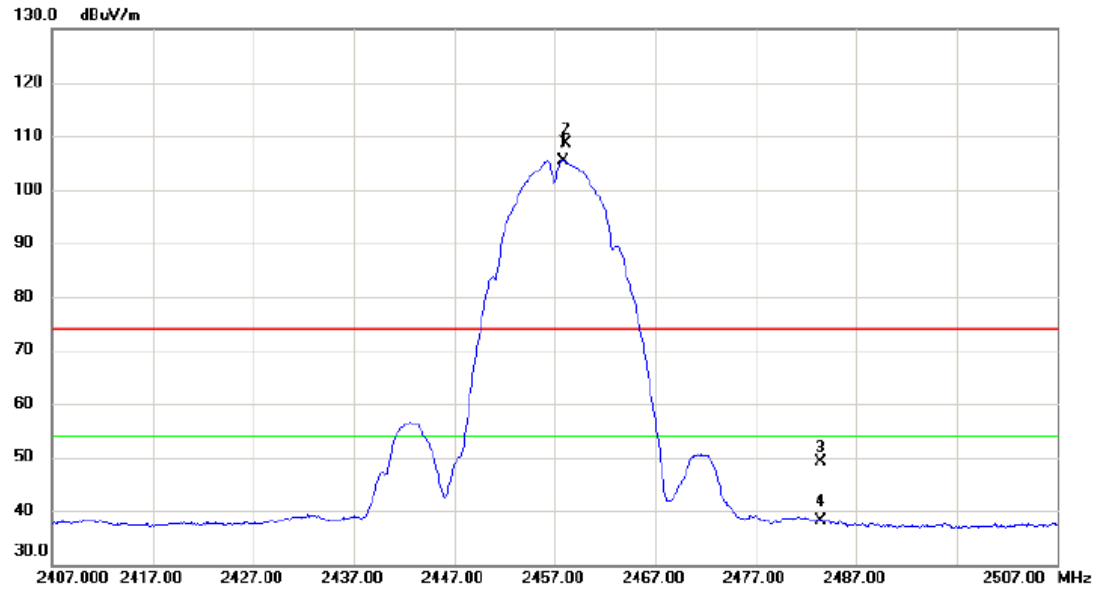
Test Mode:	TX B Mode 2457 MHz

Vertical
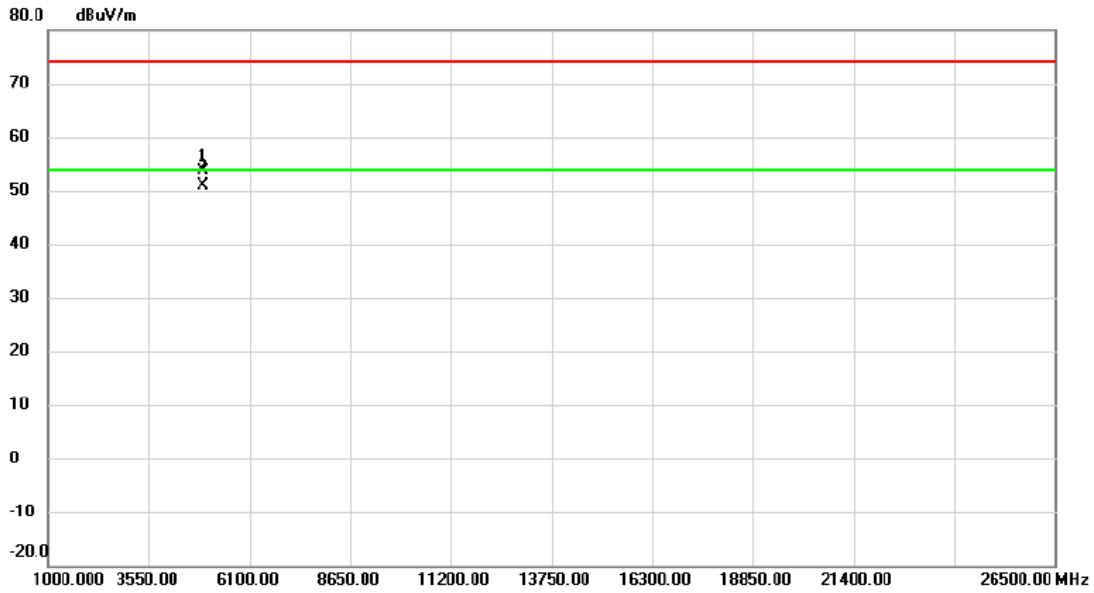
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4913.975	48.37	5.18	53.55	74.00	-20.45	peak	
2	*	4914.185	45.74	5.18	50.92	54.00	-3.08	AVG	

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

| Test Mode:	TX B Mode 2457 MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2457.800	98.68	6.74	105.42	54.00	51.42	AVG	No Limit
2	X	2458.150	101.91	6.74	108.65	74.00	34.65	peak	No Limit
3		2483.500	42.47	6.73	49.20	74.00	-24.80	peak	
4		2483.500	31.42	6.73	38.15	54.00	-15.85	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
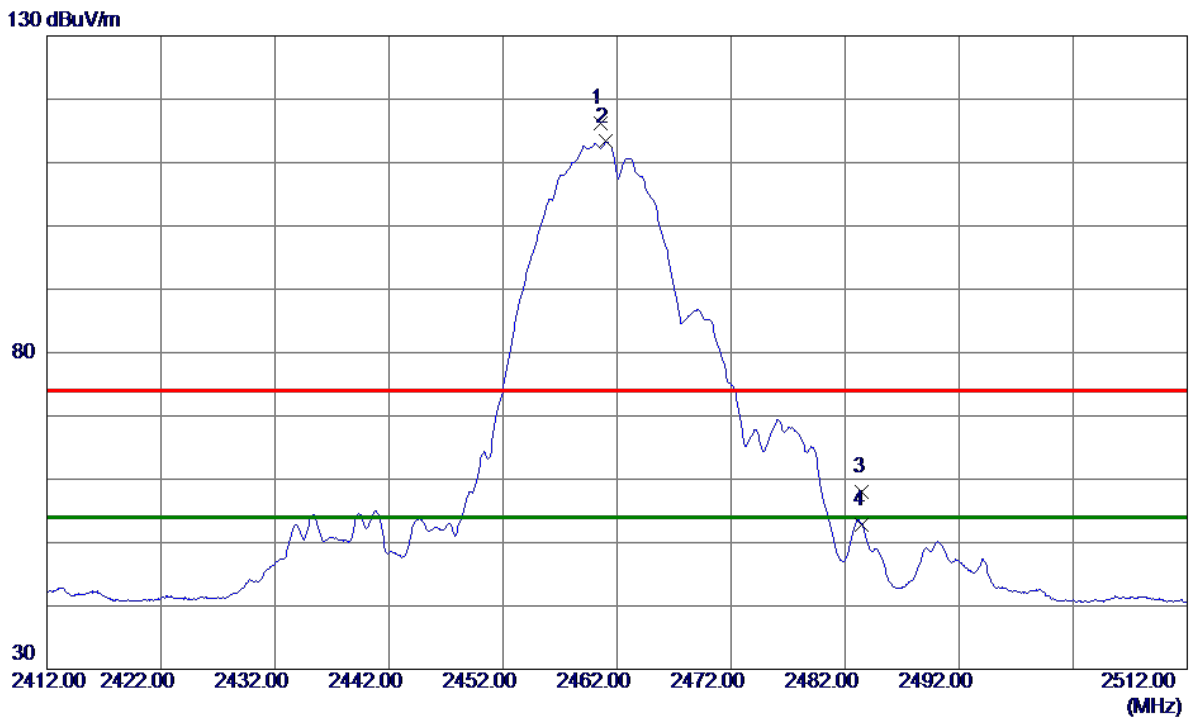
Test Mode:	TX B Mode 2457 MHz

Horizontal
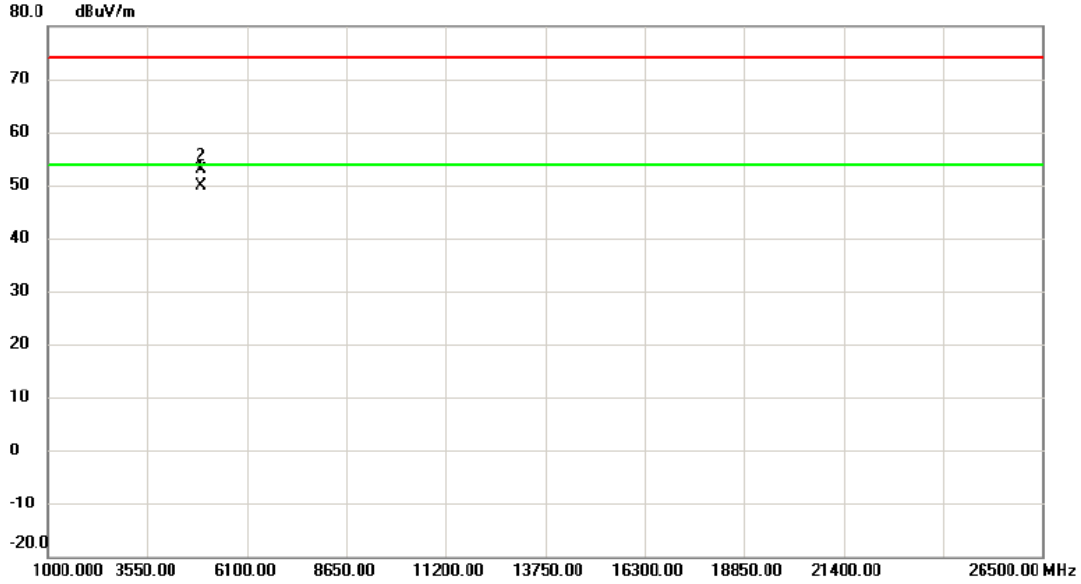
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4913.085	45.66	4.26	49.92	54.00	-4.08	AVG	
2		4914.310	48.58	4.27	52.85	74.00	-21.15	peak	

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

| Test Mode:	TX B Mode 2462 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2460.6000	107.80	8.31	116.11	74.00	42.11	Peak	No Limit
2 *	2461.0500	104.98	8.32	113.30	54.00	59.30	AVG	No Limit
3	2483.5000	49.62	8.38	58.00	74.00	-16.00	Peak	
4	2483.5000	44.45	8.38	52.83	54.00	-1.17	AVG	

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

Test Mode:	TX B Mode 2462 MHz

Vertical
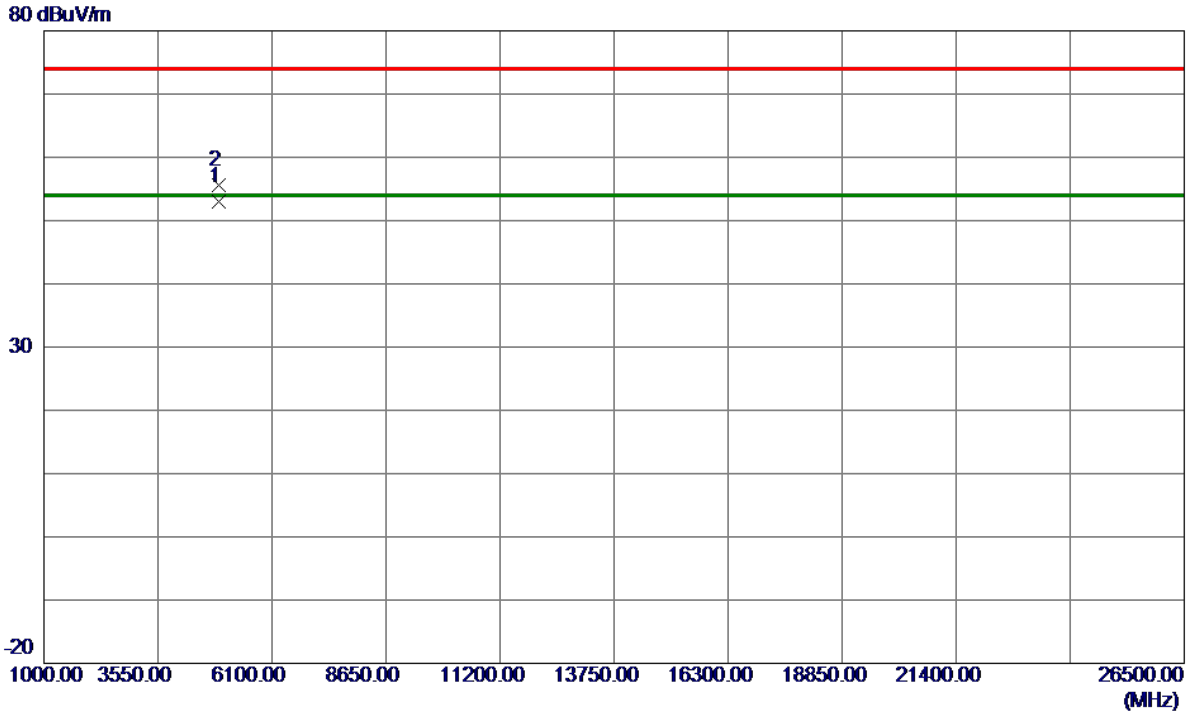
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB			
1 *	4924.1150	47.85	5.24	53.09	54.00	-0.91		AVG	
2	4924.1180	50.41	5.24	55.65	74.00	-18.35		Peak	

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

| Test Mode:	TX B Mode 2462 MHz

Horizontal
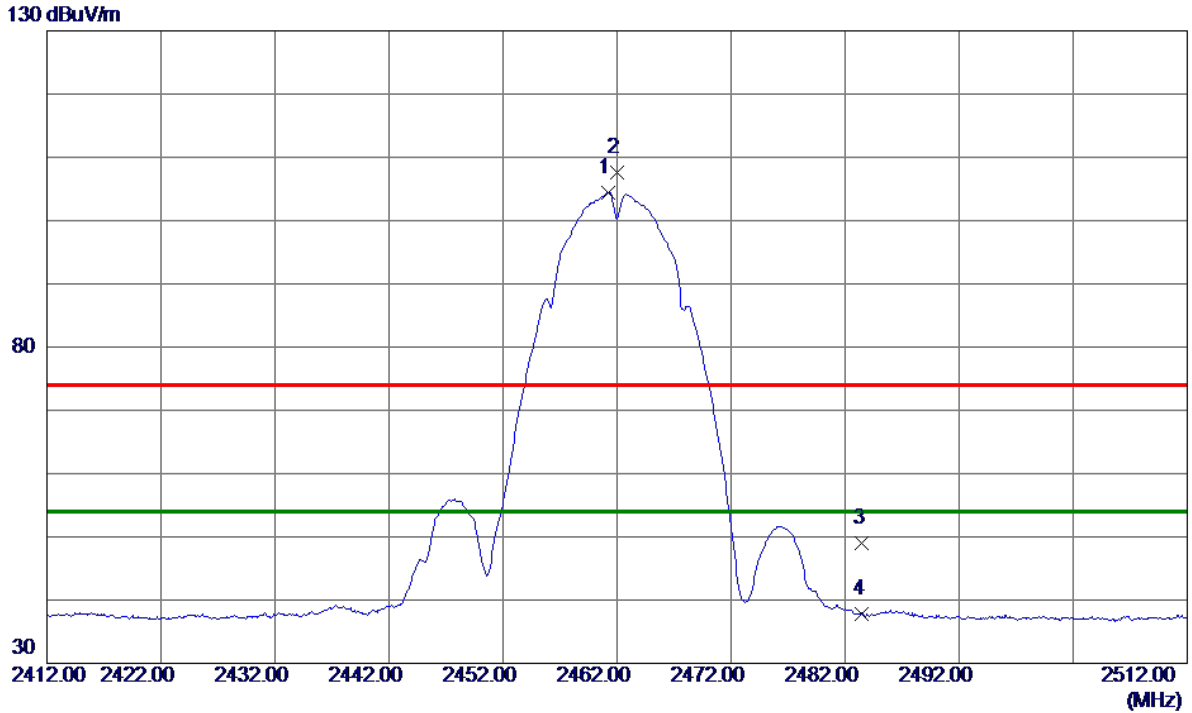
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	2461.2500	97.75	6.74	104.49	54.00	50.49	AVG	No Limit
2	2462.0000	100.84	6.74	107.58	74.00	33.58	Peak	No Limit
3	2483.5000	42.31	6.73	49.04	74.00	-24.96	Peak	
4	2483.5000	31.14	6.73	37.87	54.00	-16.13	AVG	

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

Test Mode:	TX B Mode 2462 MHz

Horizontal
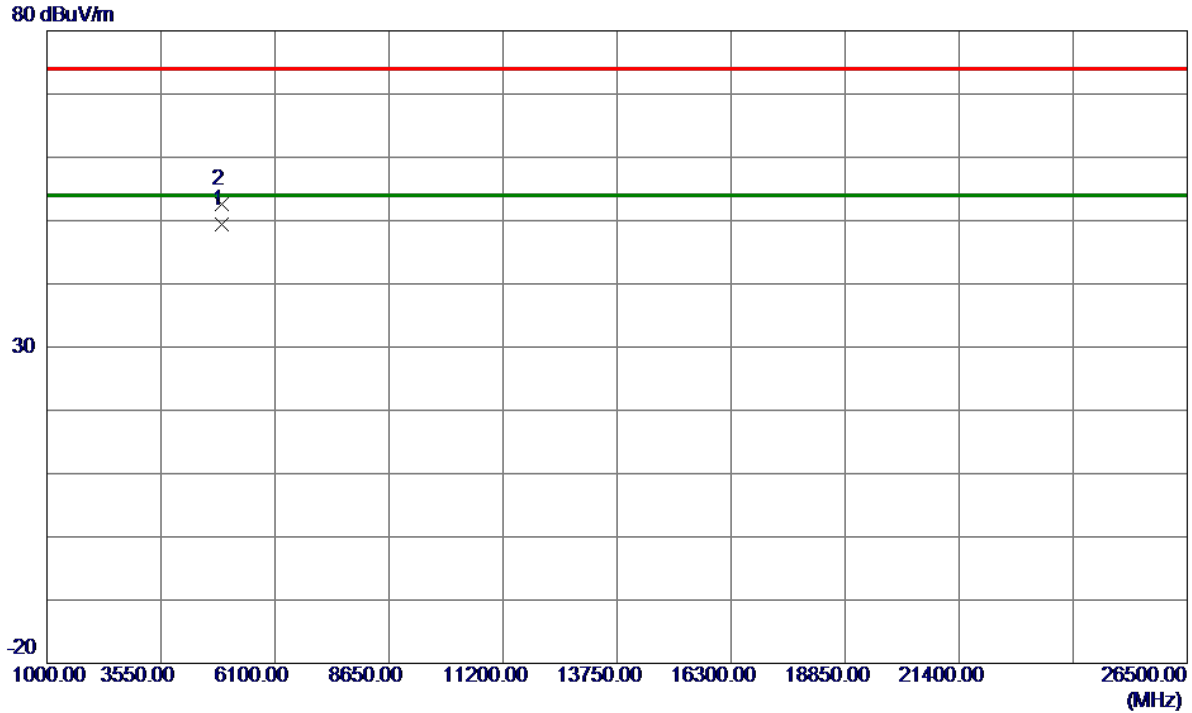
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4921.6500	45.13	4.30	49.43	54.00	−4.57	AVG	
2	4922.7850	48.24	4.31	52.55	74.00	−21.45	Peak	

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

Test Mode:	TX G Mode 2412 MHz

Vertical
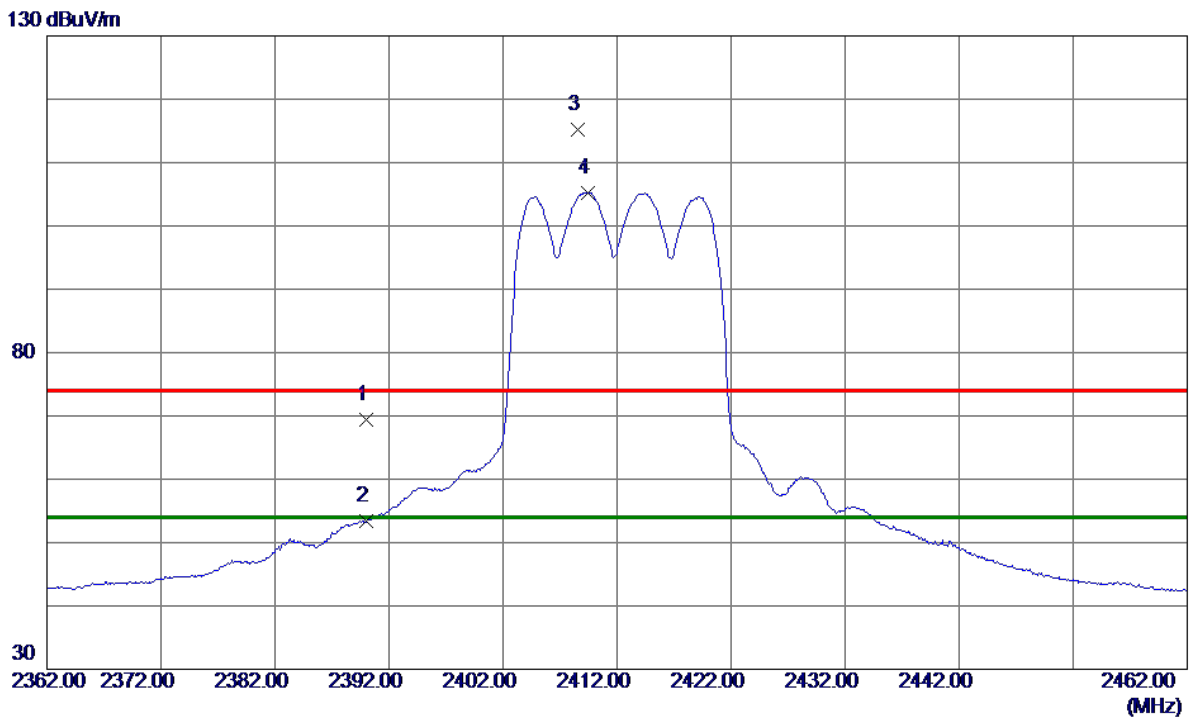
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	61.37	8.11	69.48	74.00	-4.52	Peak	
2	2390.0000	45.29	8.11	53.40	54.00	-0.60	AVG	
3	2408.6000	107.11	8.16	115.27	74.00	41.27	Peak	No Limit
4 *	2409.4500	97.03	8.17	105.20	54.00	51.20	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

Vertical
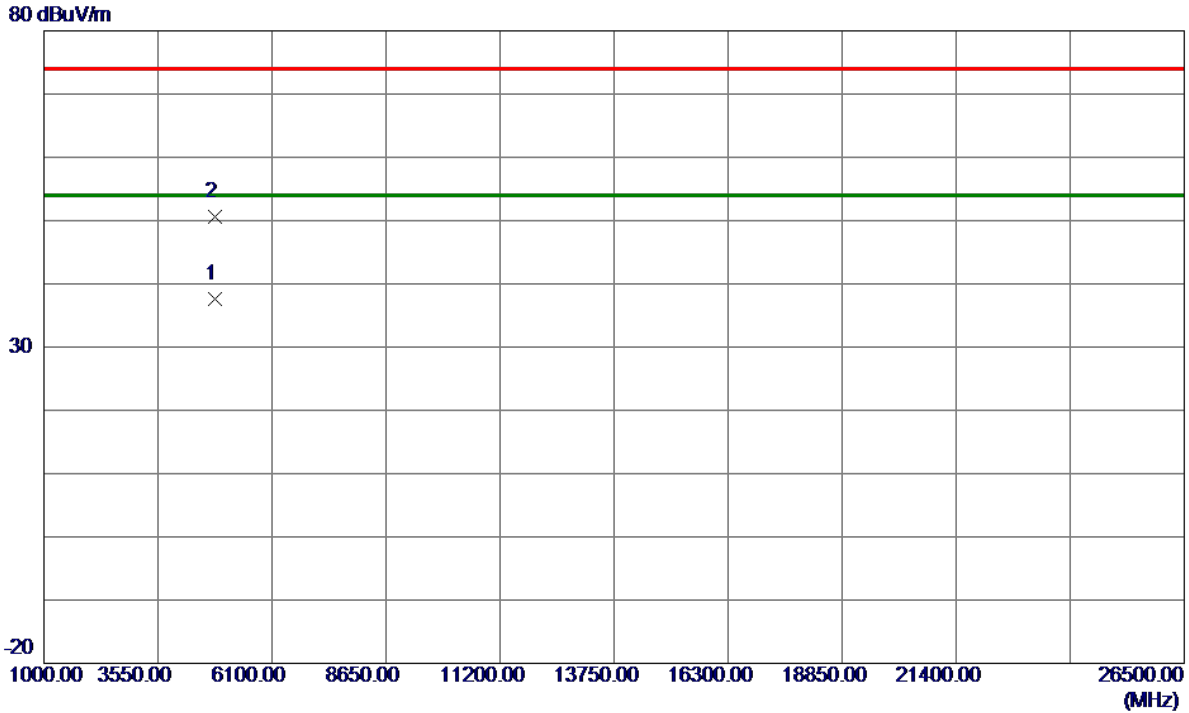
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.2000	32.92	4.74	37.66	54.00	−16.34	AVG	
2	4824.5750	45.88	4.75	50.63	74.00	−23.37	Peak	

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

Test Mode:	TX G Mode 2412 MHz

Horizontal
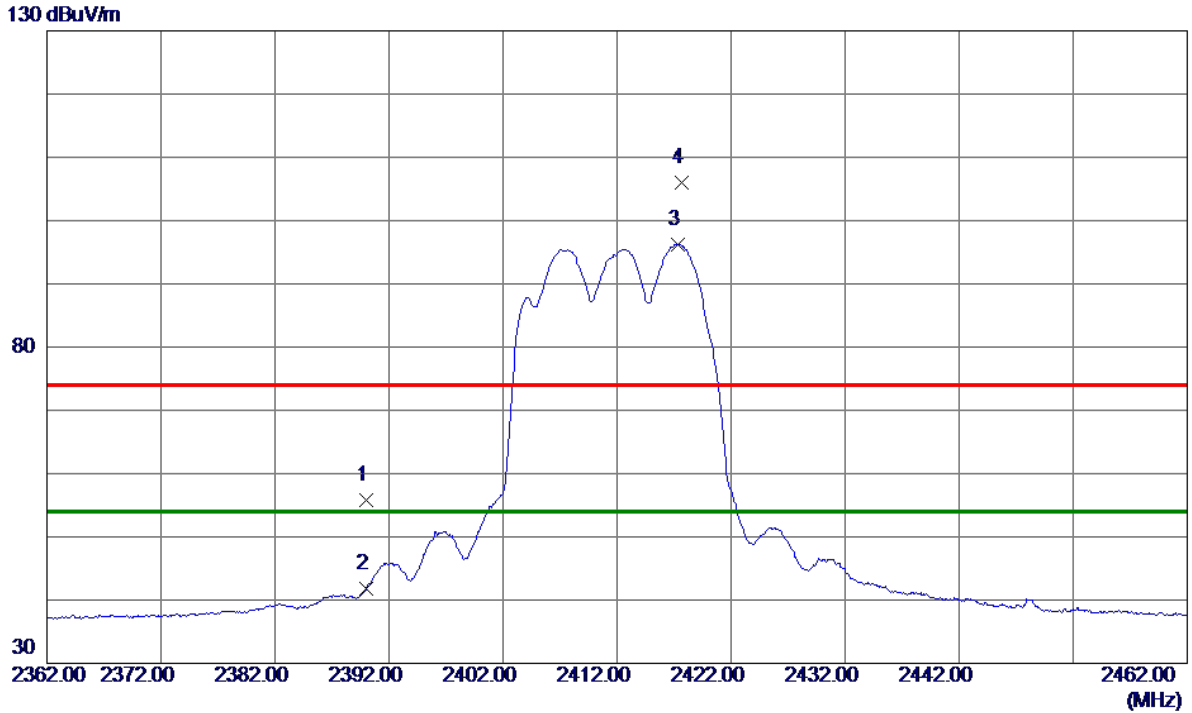
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB			
1	2390.0000	49.09	6.76	55.85	74.00	−18.15		Peak	
2	2390.0000	35.11	6.76	41.87	54.00	−12.13		AVG	
3 *	2417.3000	89.50	6.75	96.25	54.00	42.25		AVG	No Limit
4	2417.7000	99.24	6.75	105.99	74.00	31.99		Peak	No Limit

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

Test Mode:	TX G Mode 2412 MHz

Horizontal
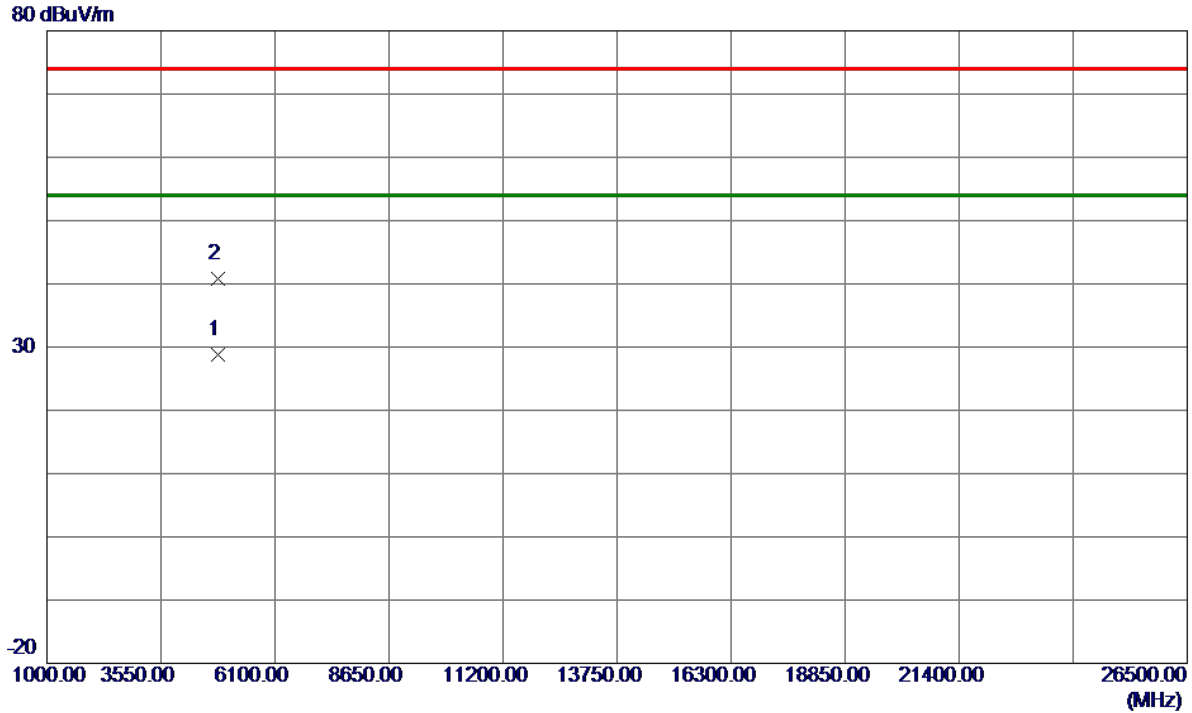
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4822.5450	24.98	3.91	28.89	54.00	−25.11	AVG	
2	4823.2750	36.85	3.92	40.77	74.00	−33.23	Peak	

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

Test Mode:	TX G Mode 2417 MHz

Vertical
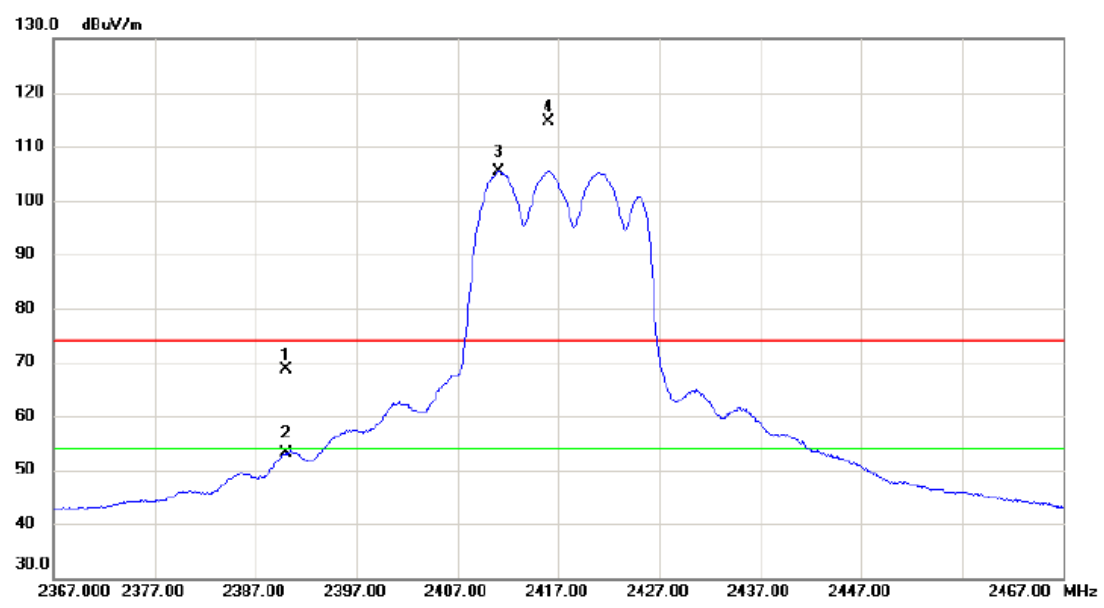
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	60.54	8.11	68.65	74.00	-5.35	peak	
2		2390.000	44.93	8.11	53.04	54.00	-0.96	AVG	
3	*	2411.100	97.19	8.17	105.36	54.00	51.36	AVG	No Limit
4	X	2416.000	106.48	8.19	114.67	74.00	40.67	peak	No Limit

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

Test Mode:	TX G Mode 2417 MHz

Vertical
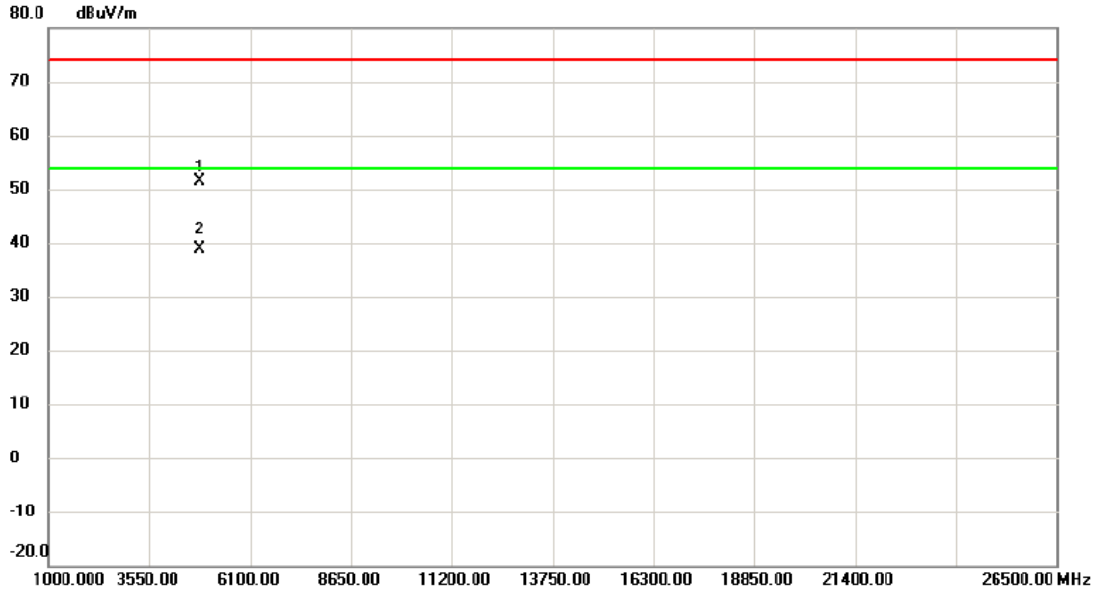
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4833.700	46.63	4.79	51.42	74.00	-22.58	peak	
2	*	4834.300	34.17	4.80	38.97	54.00	-15.03	AVG	

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

| Test Mode:	TX G Mode 2417 MHz

Horizontal
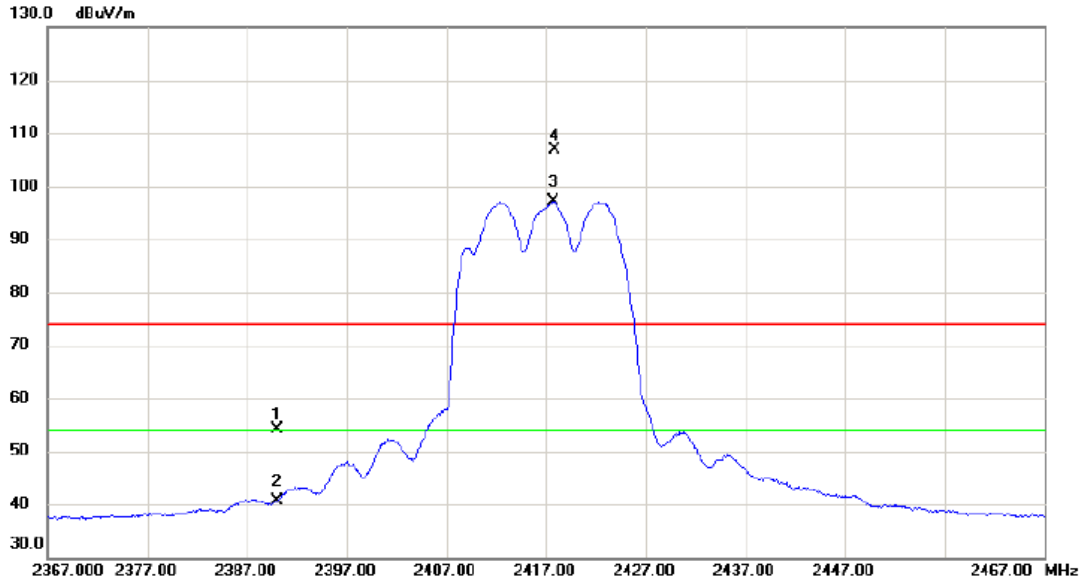
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	47.31	6.76	54.07	74.00	-19.93	peak	
2		2390.000	33.93	6.76	40.69	54.00	-13.31	AVG	
3	*	2417.700	90.35	6.76	97.11	54.00	43.11	AVG	No Limit
4	X	2417.800	100.08	6.76	106.84	74.00	32.84	peak	No Limit

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

Test Mode:	TX G Mode 2417 MHz

Horizontal
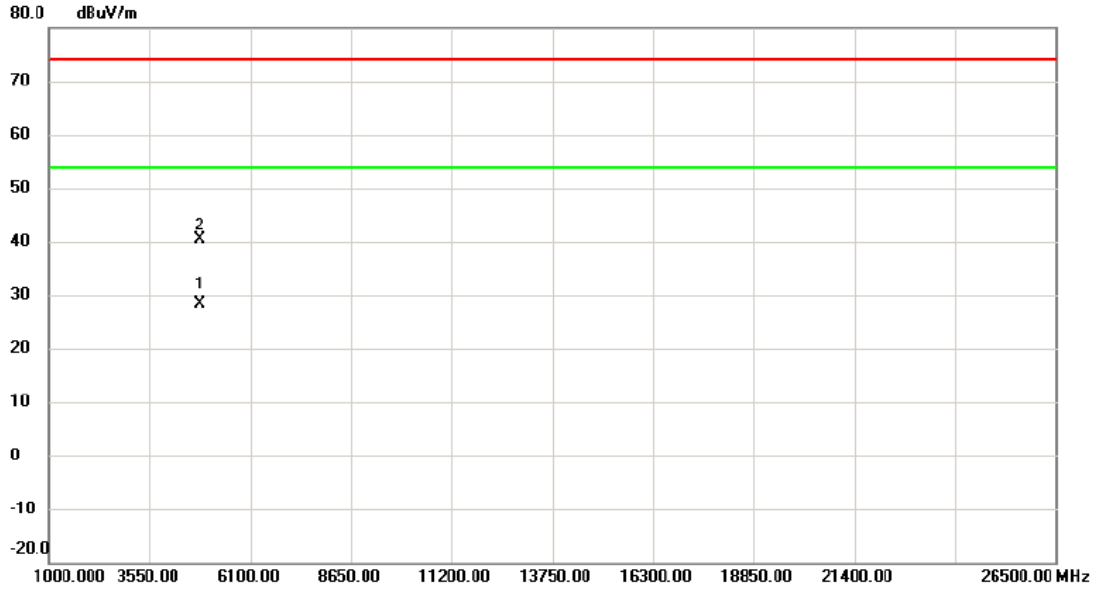
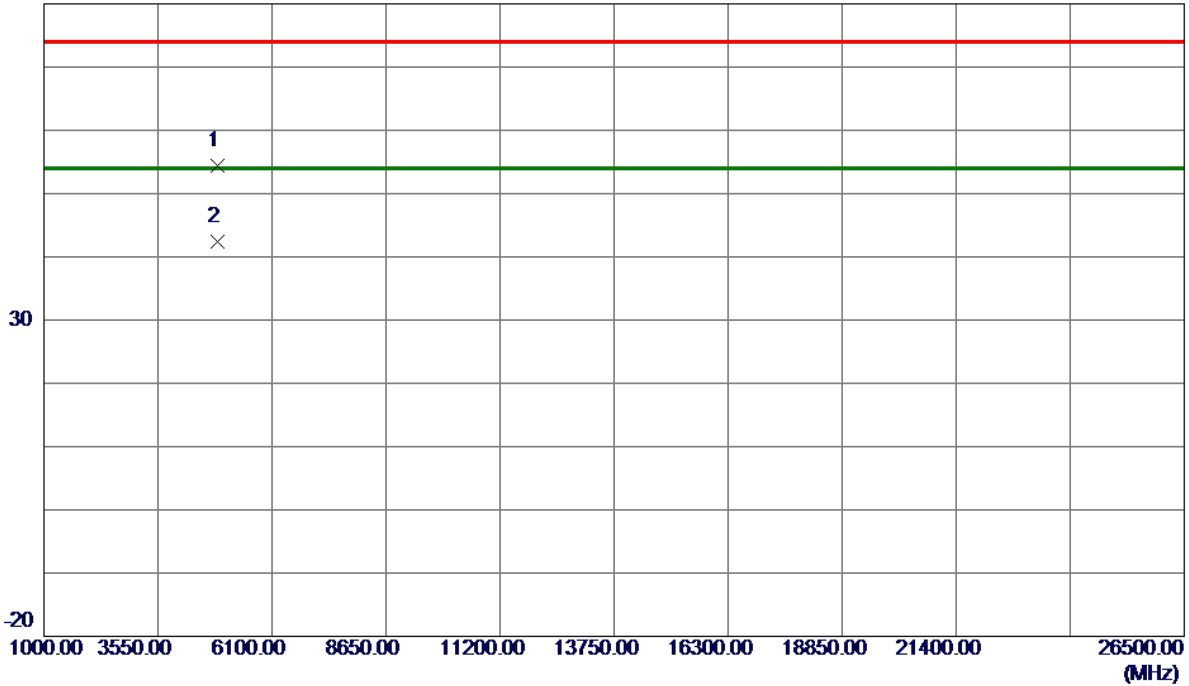| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4832.365	24.33	3.96	28.29	54.00	-25.71	AVG	
2		4835.587	36.54	3.96	40.50	74.00	-33.50	peak	

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

Test Mode:	TX G Mode 2437 MHz

Vertical
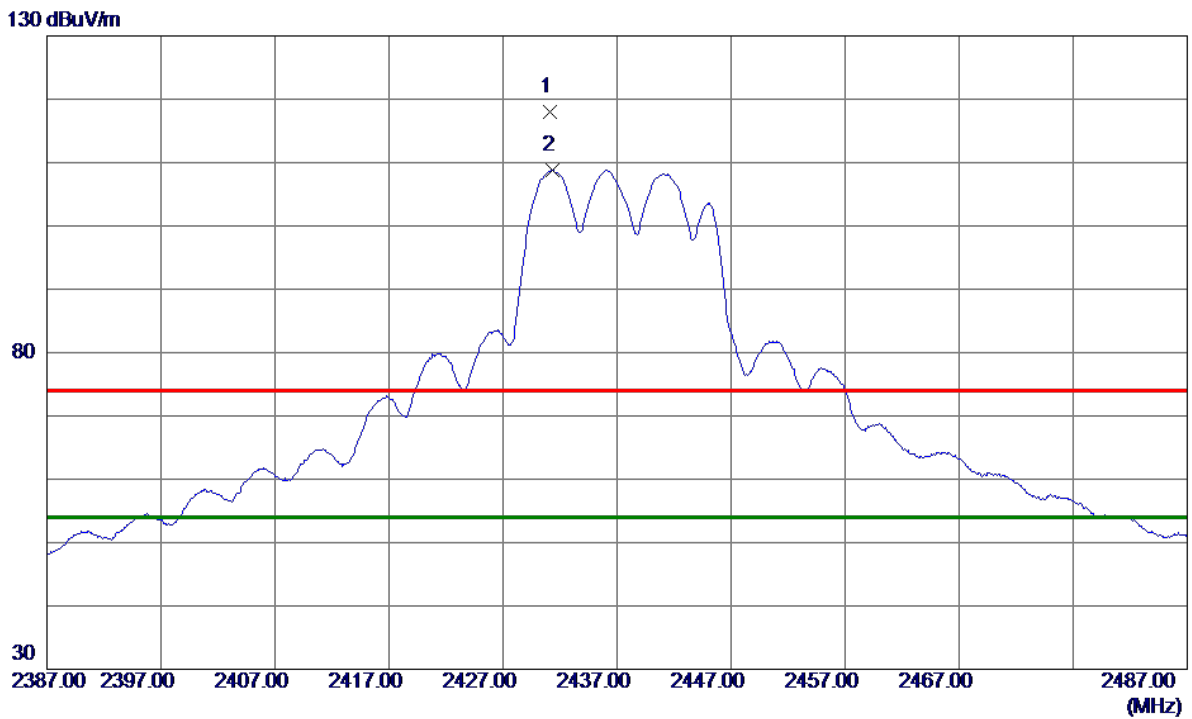
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2431.1000	109.86	8.23	118.09	74.00	44.09	Peak	No Limit
2 *	2431.3500	100.57	8.23	108.80	54.00	54.80	AVG	No Limit

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	Measurement	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		Detector	Comment
1	4868.6250	49.48	4.96	54.44	74.00	−19.56		Peak	
2 *	4873.1250	37.46	4.99	42.45	54.00	−11.55		AVG	

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

Test Mode:	TX G Mode 2437 MHz

Horizontal
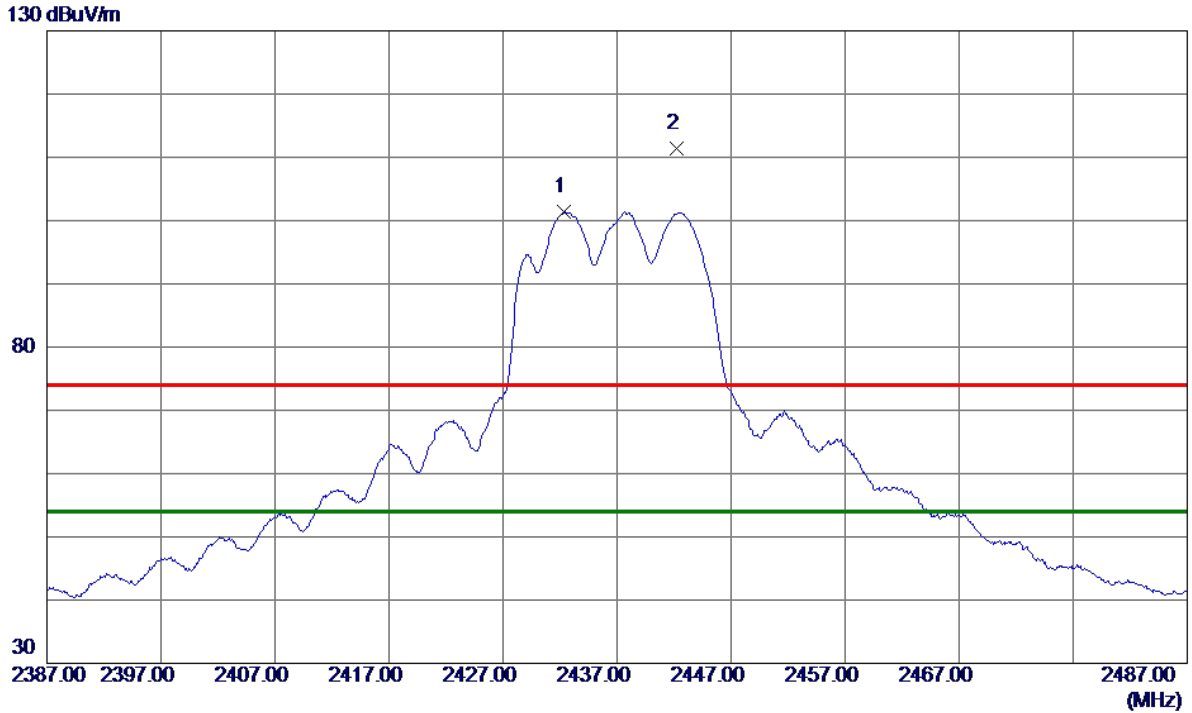
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2432.3500	94.59	6.75	101.34	54.00	47.34	AVG	No Limit
2	2442.2500	104.58	6.75	111.33	74.00	37.33	Peak	No Limit

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

Test Mode:	TX G Mode 2437 MHz

Horizontal
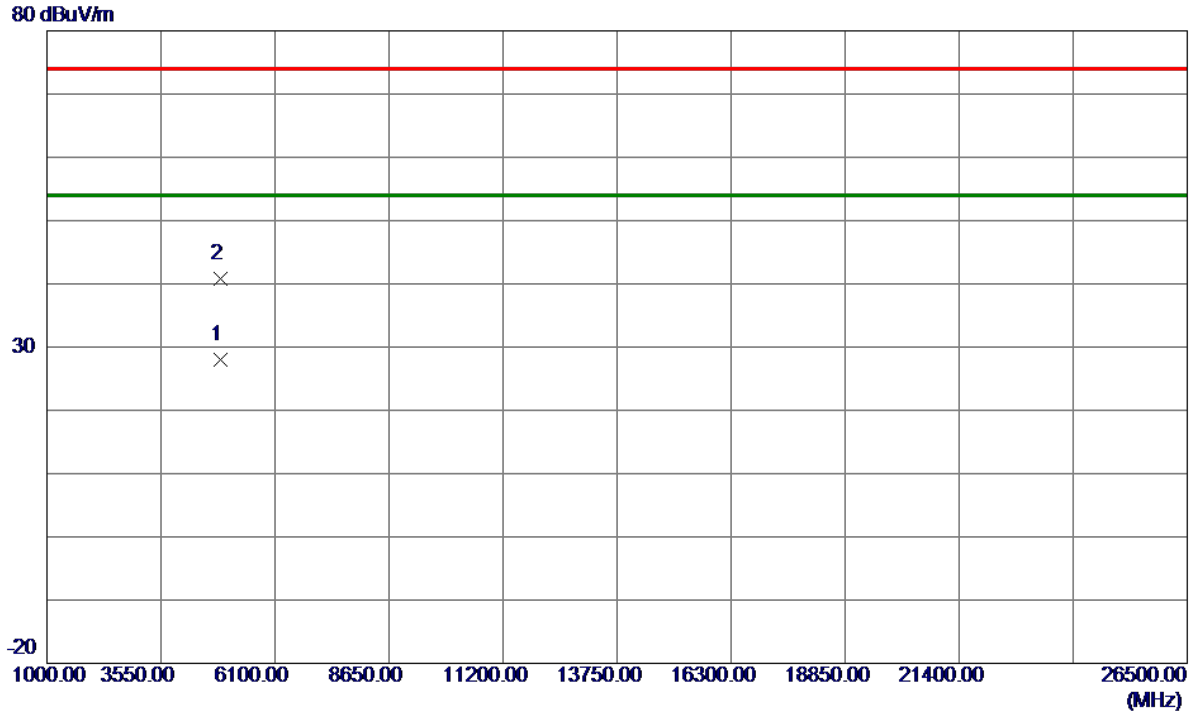
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4871.8500	23.97	4.11	28.08	54.00	−25.92	AVG	
2	4874.7700	36.64	4.12	40.76	74.00	−33.24	Peak	

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

Test Mode:	TX G Mode 2457 MHz

Vertical
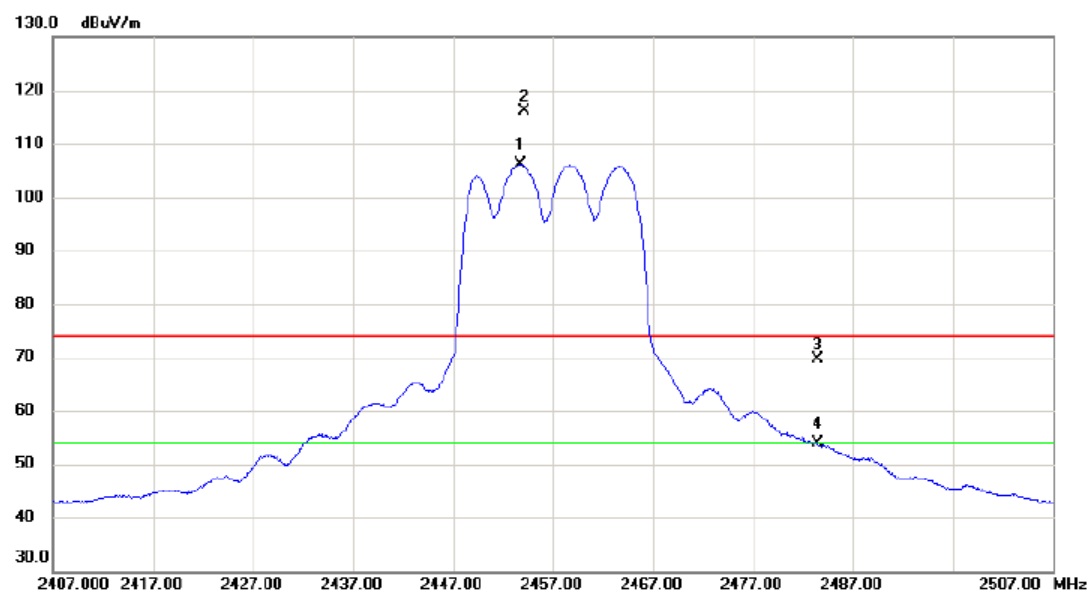
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2453.700	97.93	8.30	106.23	54.00	52.23	AVG	No Limit
2	X	2454.100	107.73	8.30	116.03	74.00	42.03	peak	No Limit
3		2483.500	61.27	8.38	69.65	74.00	-4.35	peak	
4		2483.500	45.38	8.38	53.76	54.00	-0.24	AVG	

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

Test Mode:	TX G Mode 2457 MHz

Vertical
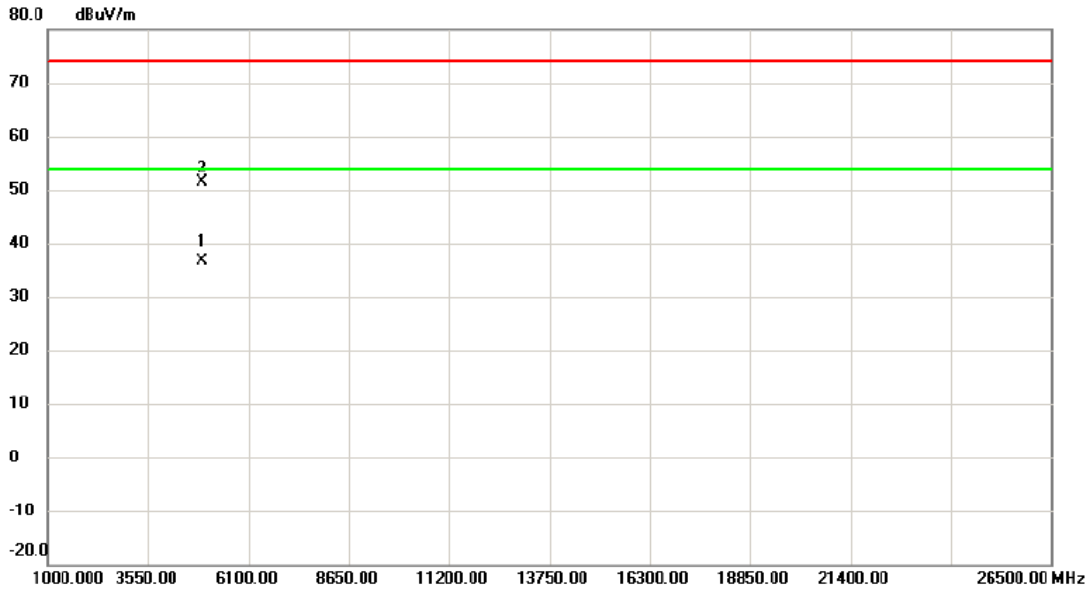
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4916.625	31.53	5.20	36.73	54.00	-17.27	AVG	
2		4916.675	46.23	5.21	51.44	74.00	-22.56	peak	

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

| Test Mode:	TX G Mode 2457 MHz

Horizontal
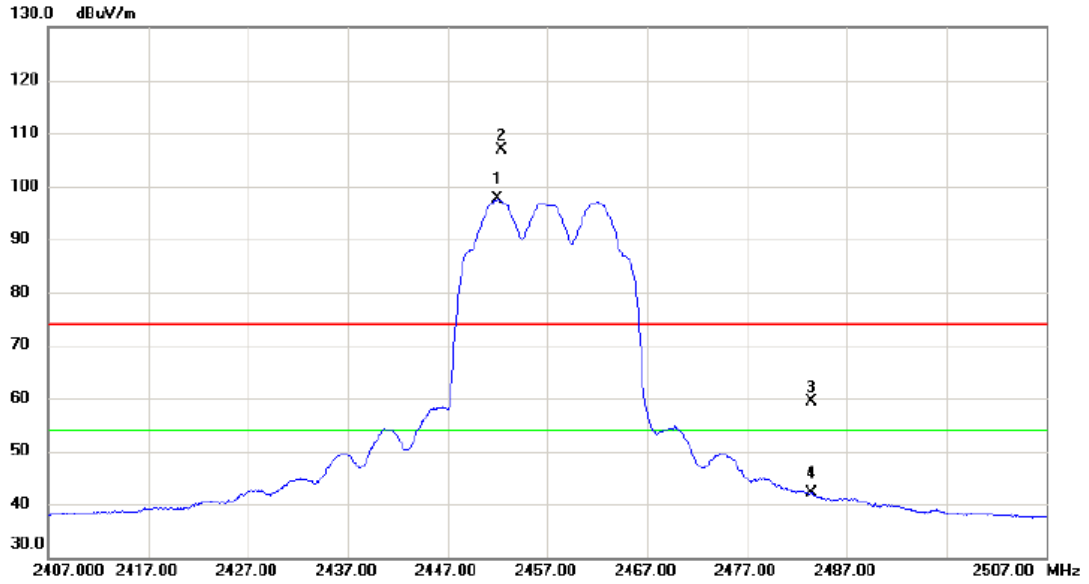
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2452.000	90.88	6.75	97.63	54.00	43.63	AVG	No Limit
2	X	2452.400	100.15	6.75	106.90	74.00	32.90	peak	No Limit
3		2483.500	52.72	6.73	59.45	74.00	-14.55	peak	
4		2483.500	35.42	6.73	42.15	54.00	-11.85	AVG	

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

Test Mode:	TX G Mode 2457 MHz

Horizontal
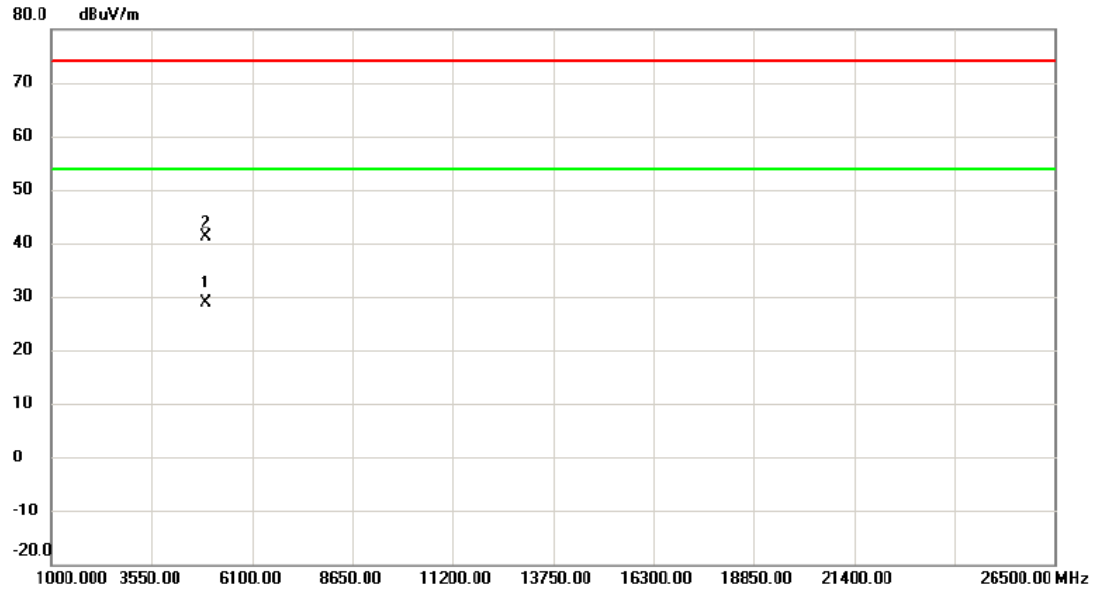
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	4914.288	24.64	4.27	28.91	54.00	-25.09	AVG	
2		4914.658	36.91	4.27	41.18	74.00	-32.82	peak	

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

Test Mode:	TX G Mode 2462 MHz

Vertical
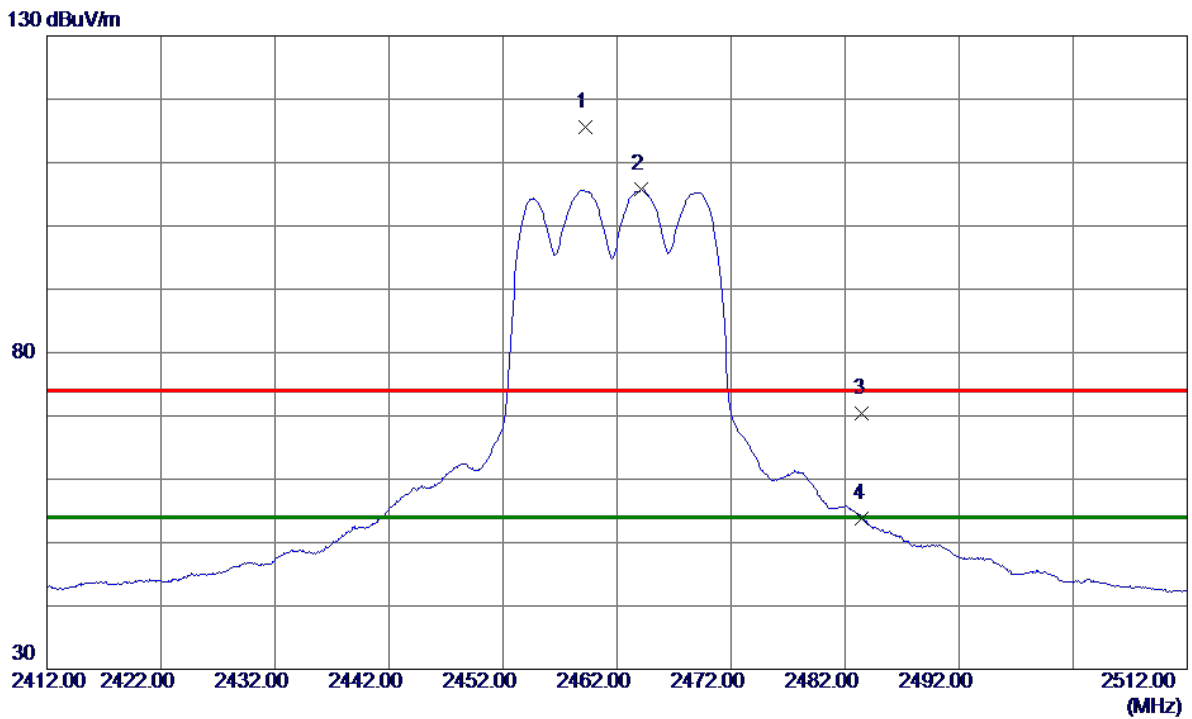
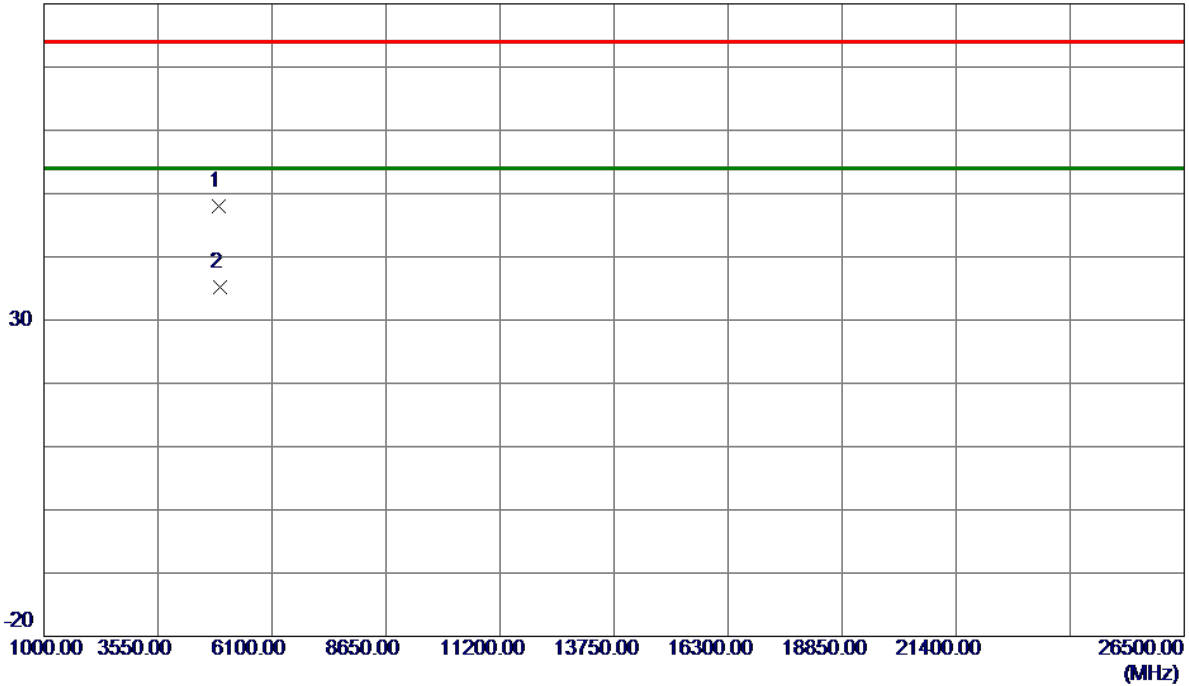| No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		Detector	Comment
1	2459.2000	107.21	8.31	115.52	74.00	41.52		Peak	No Limit
2 *	2464.1500	97.45	8.33	105.78	54.00	51.78		AVG	No Limit
3	2483.5000	61.95	8.38	70.33	74.00	-3.67		Peak	
4	2483.5000	45.35	8.38	53.73	54.00	-0.27		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		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB			
1	4921.2000	42.76	5.22	47.98	74.00	-26.02		Peak	
2 *	4926.2500	29.95	5.25	35.20	54.00	-18.80		AVG	

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

| Test Mode:	TX G Mode 2462 MHz

Horizontal
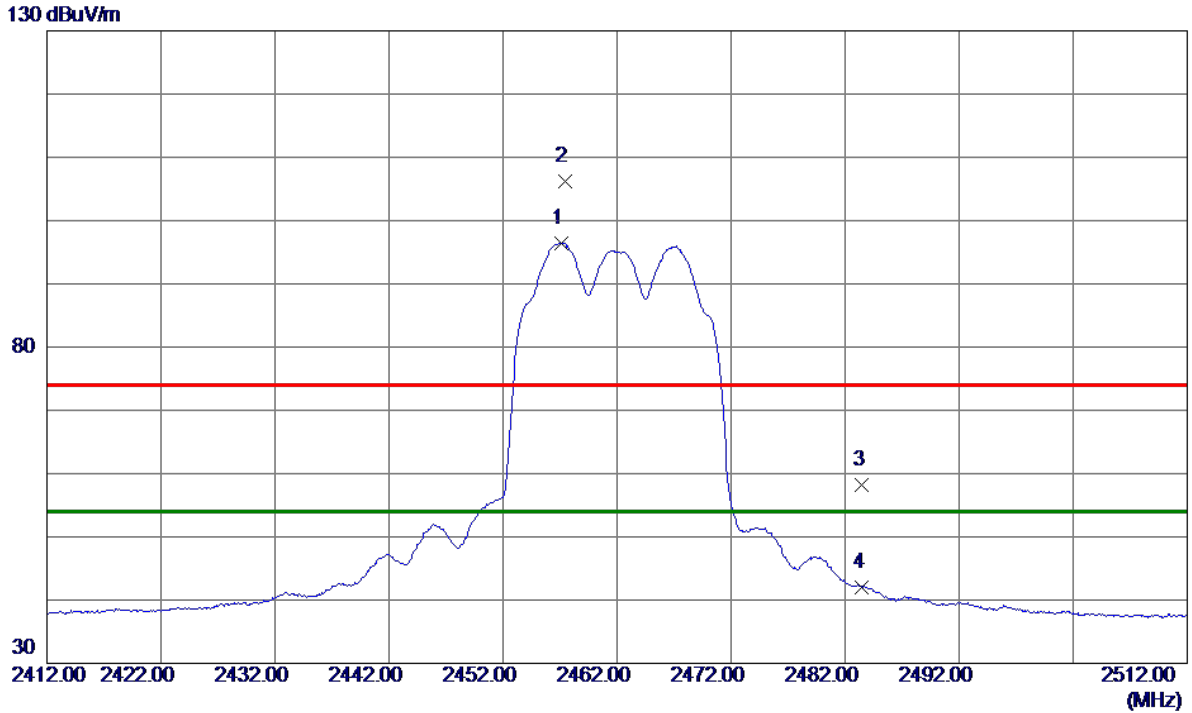
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		Detector	Comment
1 *	2457.1500	89.75	6.74	96.49	54.00	42.49		AVG	No Limit
2	2457.4000	99.43	6.74	106.17	74.00	32.17		Peak	No Limit
3	2483.5000	51.42	6.73	58.15	74.00	−15.85		Peak	
4	2483.5000	35.28	6.73	42.01	54.00	−11.99		AVG	

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

Test Mode:	TX G Mode 2462 MHz

Horizontal
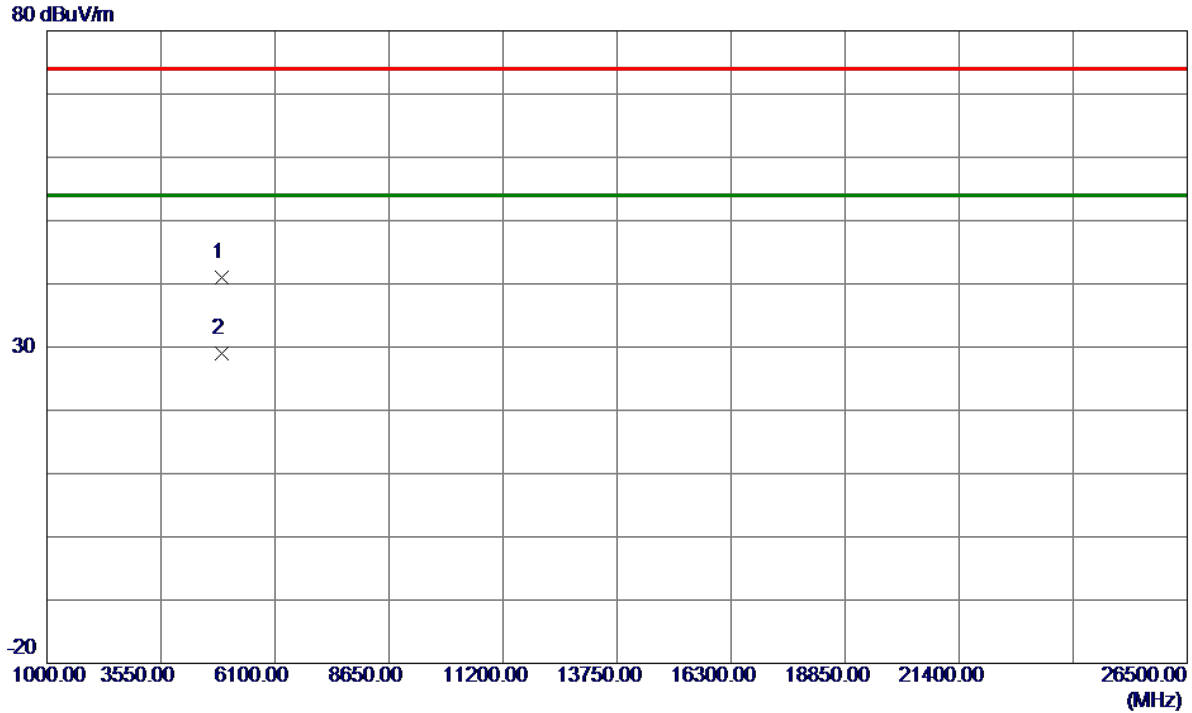
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4921.5920	36.79	4.30	41.09	74.00	-32.91	Peak	
2 *	4923.0600	24.61	4.31	28.92	54.00	-25.08	AVG	

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

Test Mode:	TX N-20M Mode 2412 MHz

Vertical
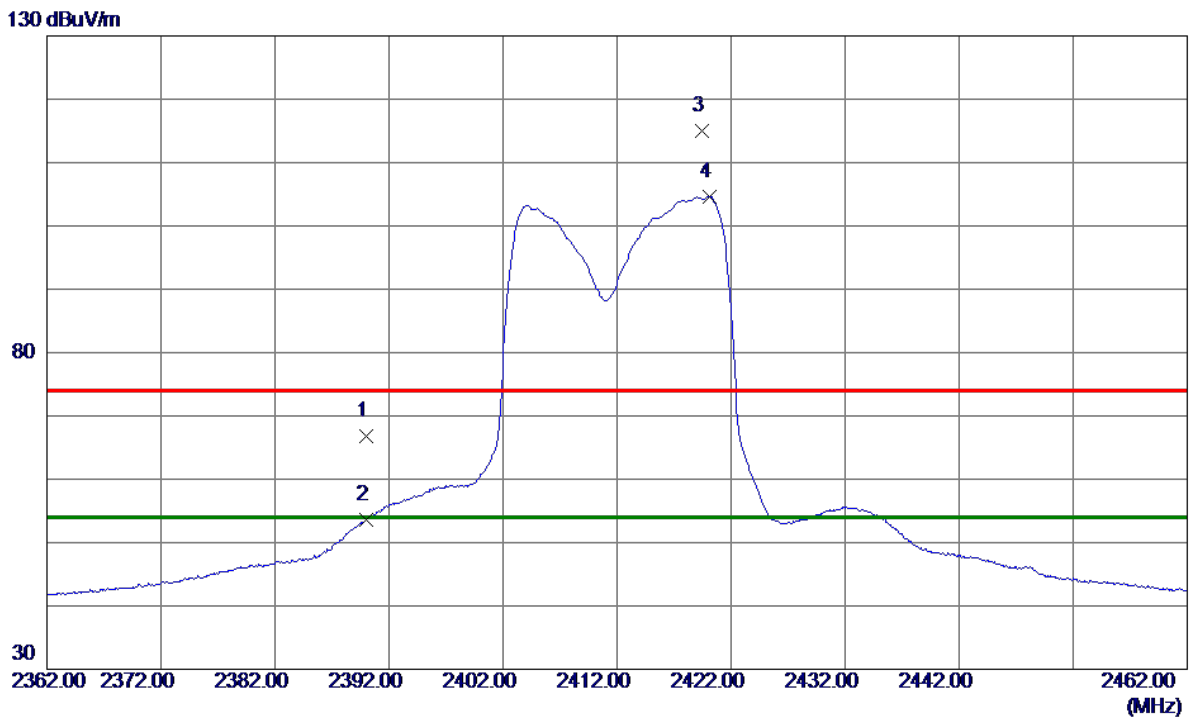
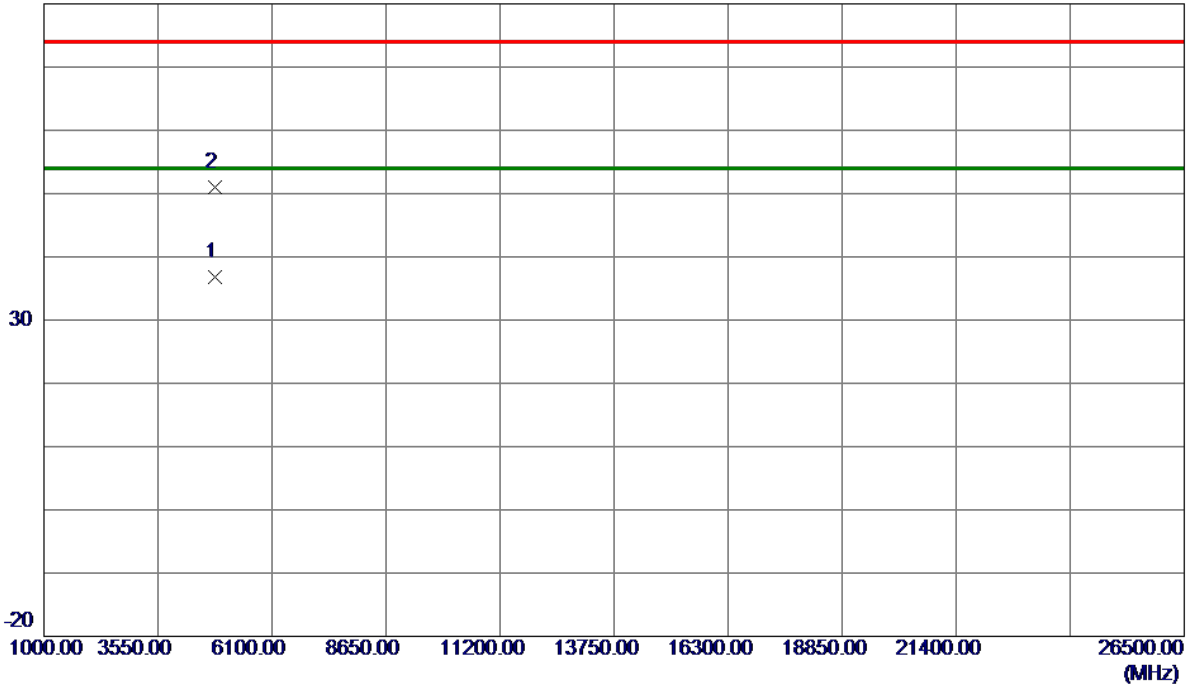| No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	2390.0000	58.64	8.11	66.75	74.00	-7.25	Peak	
2	2390.0000	45.53	8.11	53.64	54.00	-0.36	AVG	
3	2419.4000	106.74	8.19	114.93	74.00	40.93	Peak	No Limit
4 *	2420.1000	96.48	8.20	104.68	54.00	50.68	AVG	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

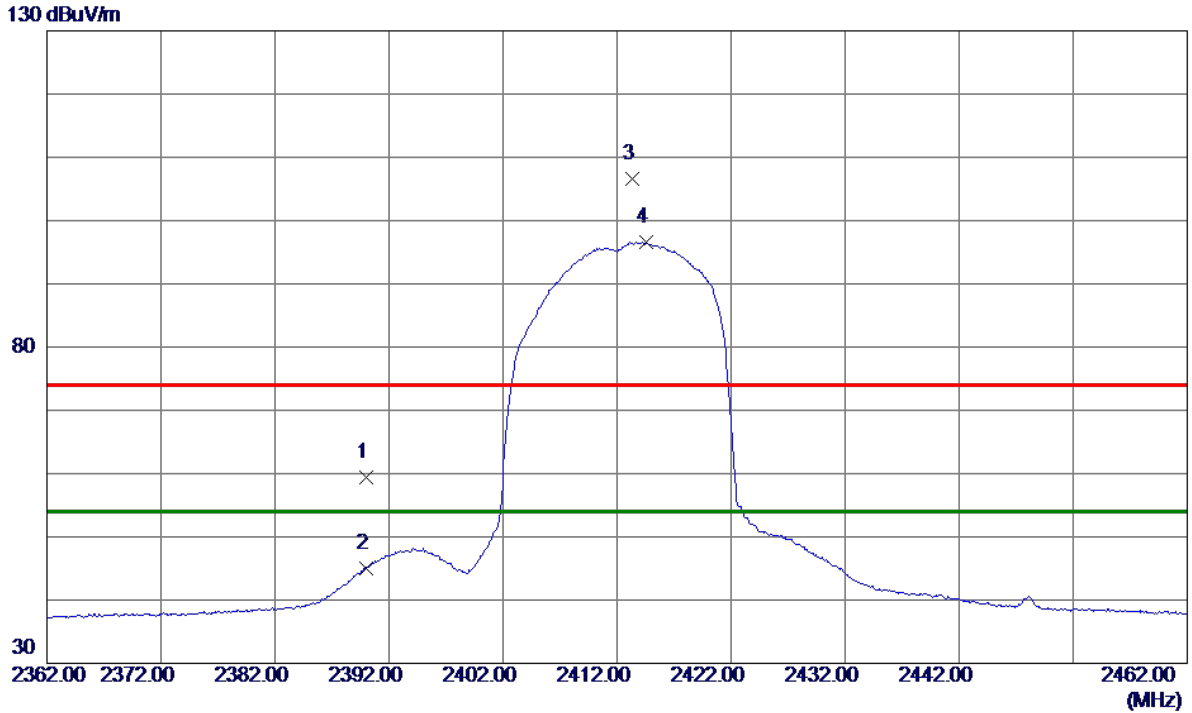**Vertical**

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.7750	32.05	4.74	36.79	54.00	−17.21	AVG	
2	4824.0000	46.22	4.74	50.96	74.00	−23.04	Peak	

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

Test Mode:	TX N-20M Mode 2412 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	52.66	6.76	59.42	74.00	-14.58	Peak	
2	2390.0000	38.20	6.76	44.96	54.00	-9.04	AVG	
3	2413.3000	99.92	6.75	106.67	74.00	32.67	Peak	No Limit
4 *	2414.6000	89.80	6.75	96.55	54.00	42.55	AVG	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	Measurement	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB			
1 *	4821.6820	24.52	3.91	28.43	54.00	-25.57		AVG	
2	4822.0419	36.10	3.91	40.01	74.00	-33.99		Peak	

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

Test Mode:	TX N-20M Mode 2417 MHz

Vertical
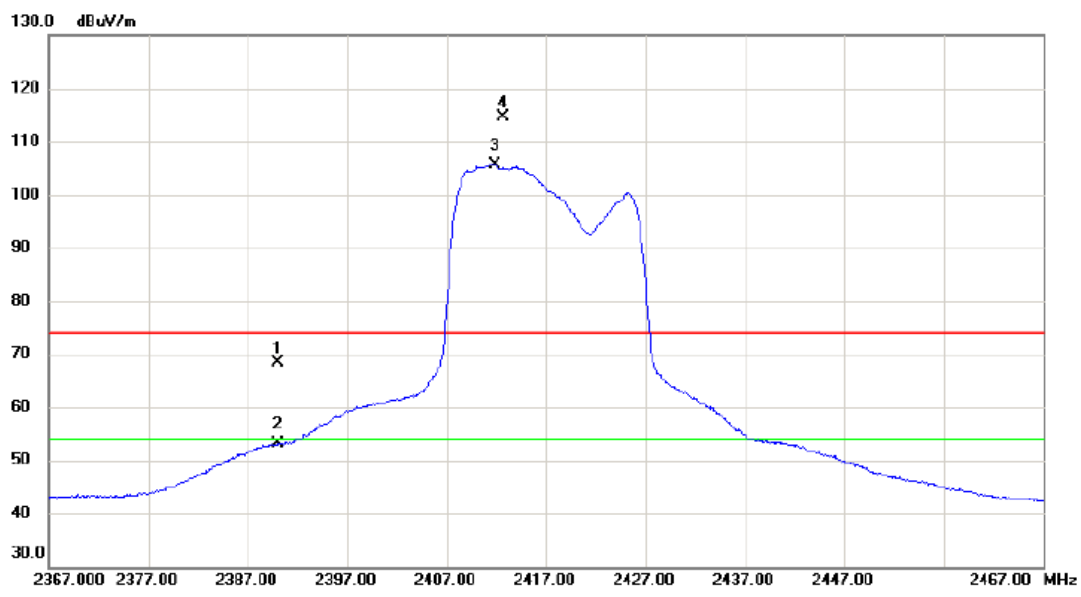
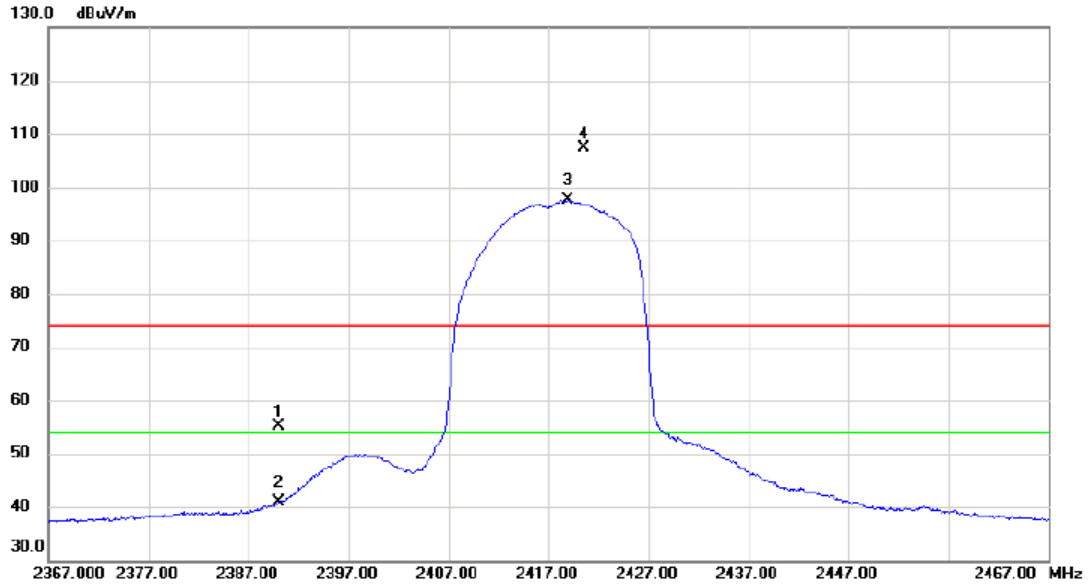| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	60.16	8.11	68.27	74.00	-5.73	peak	
2		2390.000	44.92	8.11	53.03	54.00	-0.97	AVG	
3	*	2411.800	97.55	8.17	105.72	54.00	51.72	AVG	No Limit
4	X	2412.700	106.53	8.18	114.71	74.00	40.71	peak	No Limit

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

Test Mode:	TX N-20M Mode 2417 MHz

Vertical
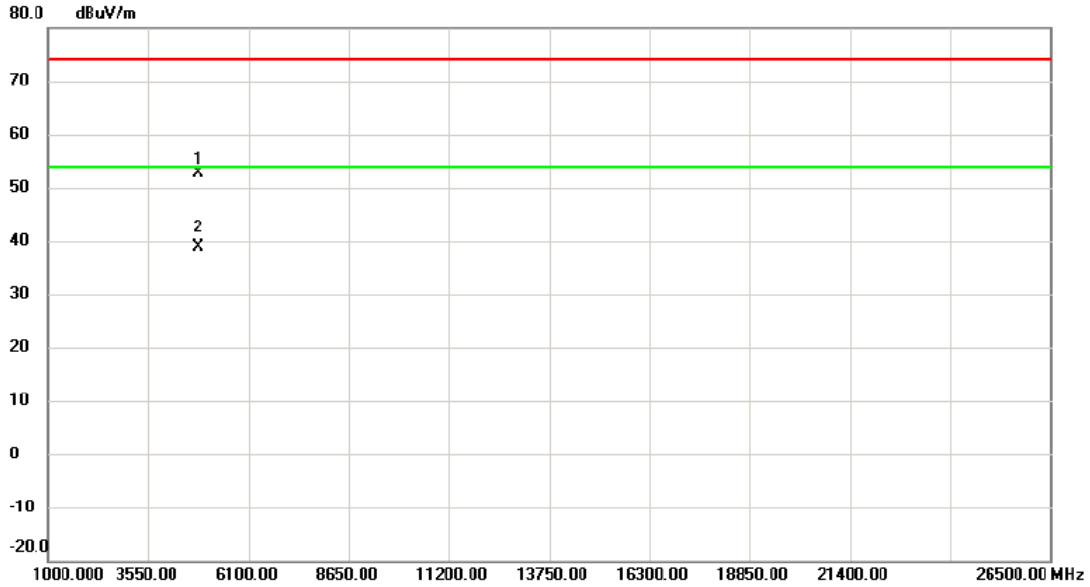
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4827.950	47.91	4.77	52.68	74.00	-21.32	peak	
2	*	4833.700	34.16	4.79	38.95	54.00	-15.05	AVG	

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

Test Mode:	TX N-20M Mode 2417 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	48.32	6.76	55.08	74.00	-18.92	peak	
2		2390.000	34.15	6.76	40.91	54.00	-13.09	AVG	
3	*	2418.900	90.83	6.75	97.58	54.00	43.58	AVG	No Limit
4	X	2420.500	100.74	6.75	107.49	74.00	33.49	peak	No Limit

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

Test Mode:	TX N-20M Mode 2417 MHz

Horizontal
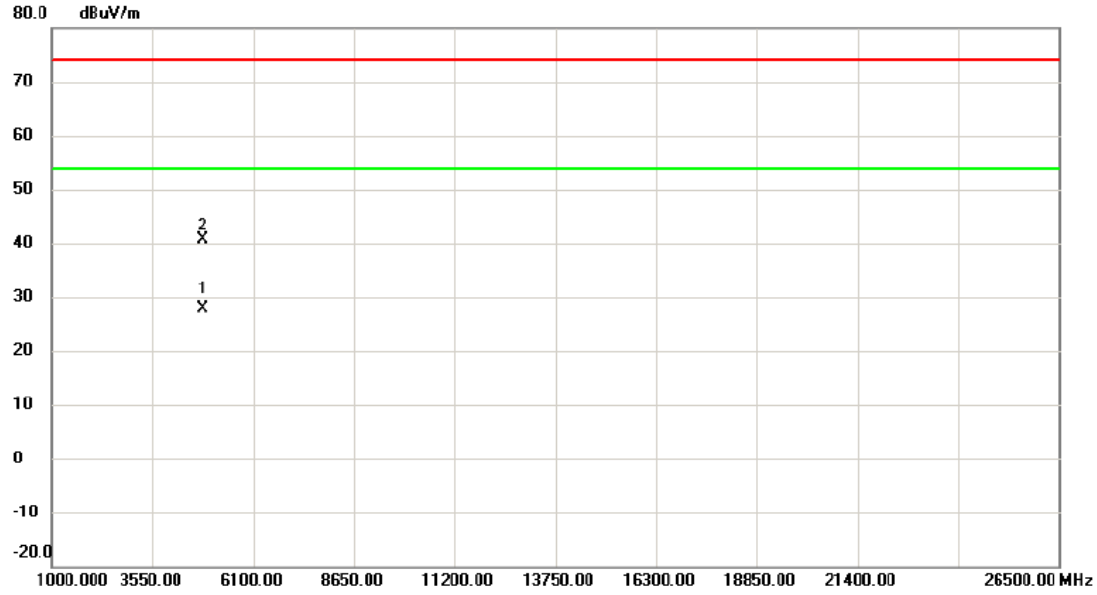
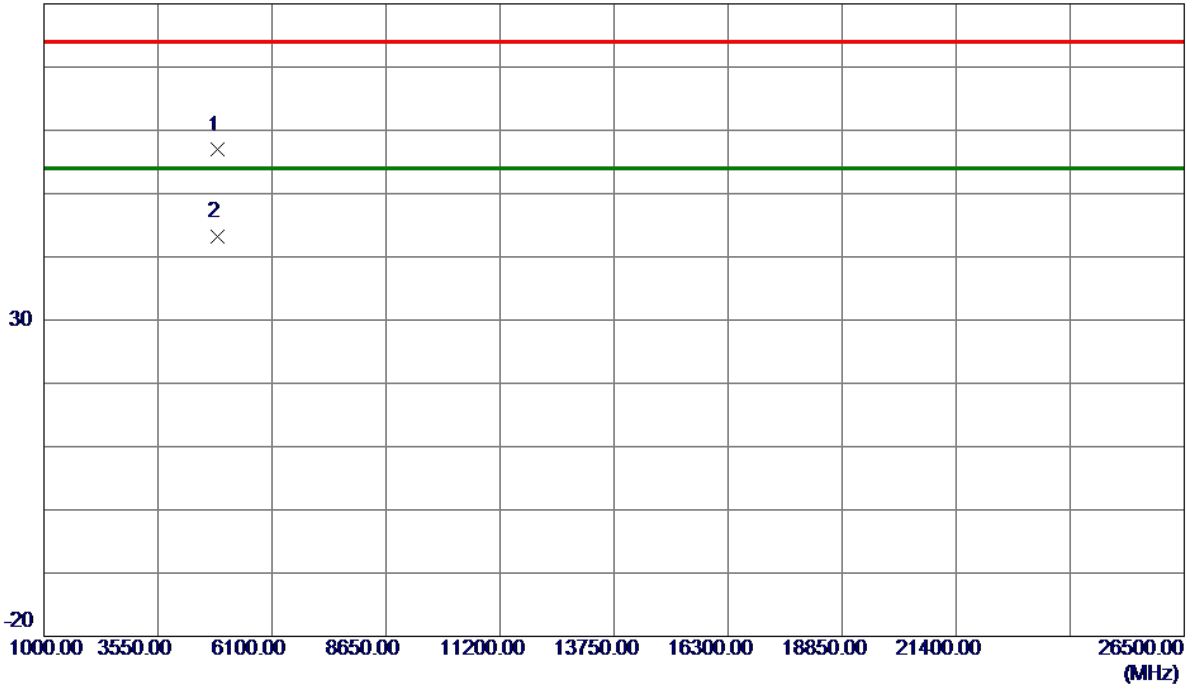| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4831.650	24.03	3.95	27.98	54.00	-26.02	AVG	
2		4831.820	36.64	3.95	40.59	74.00	-33.41	peak	

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

Test Mode:	TX N-20M Mode 2437 MHz

Vertical
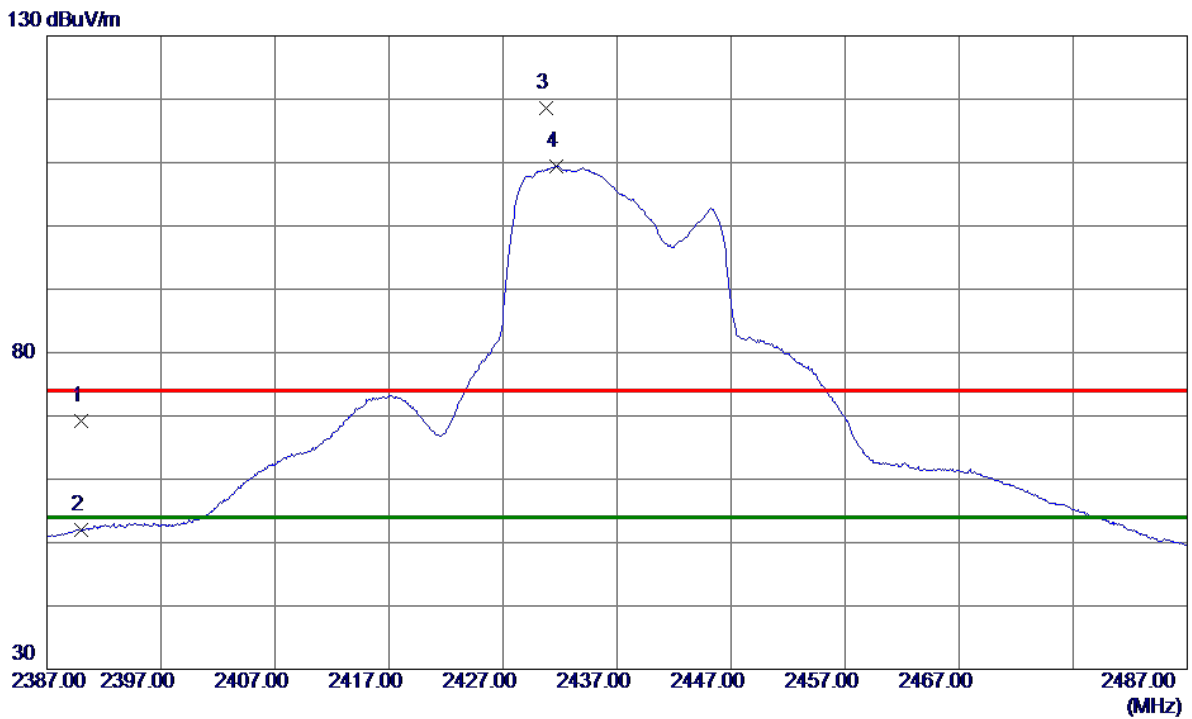
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	61.05	8.11	69.16	74.00	-4.84	Peak	
2	2390.0000	43.83	8.11	51.94	54.00	-2.06	AVG	
3	2430.7500	110.35	8.23	118.58	74.00	44.58	Peak	No Limit
4 *	2431.6500	101.25	8.23	109.48	54.00	55.48	AVG	No Limit

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

Test Mode:	TX N-20M Mode 2437 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB			
1	4870.3000	51.93	4.97	56.90	74.00	−17.10		Peak	
2 *	4870.7750	38.15	4.97	43.12	54.00	−10.88		AVG	

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

Test Mode:	TX N-20M Mode 2437 MHz

Horizontal
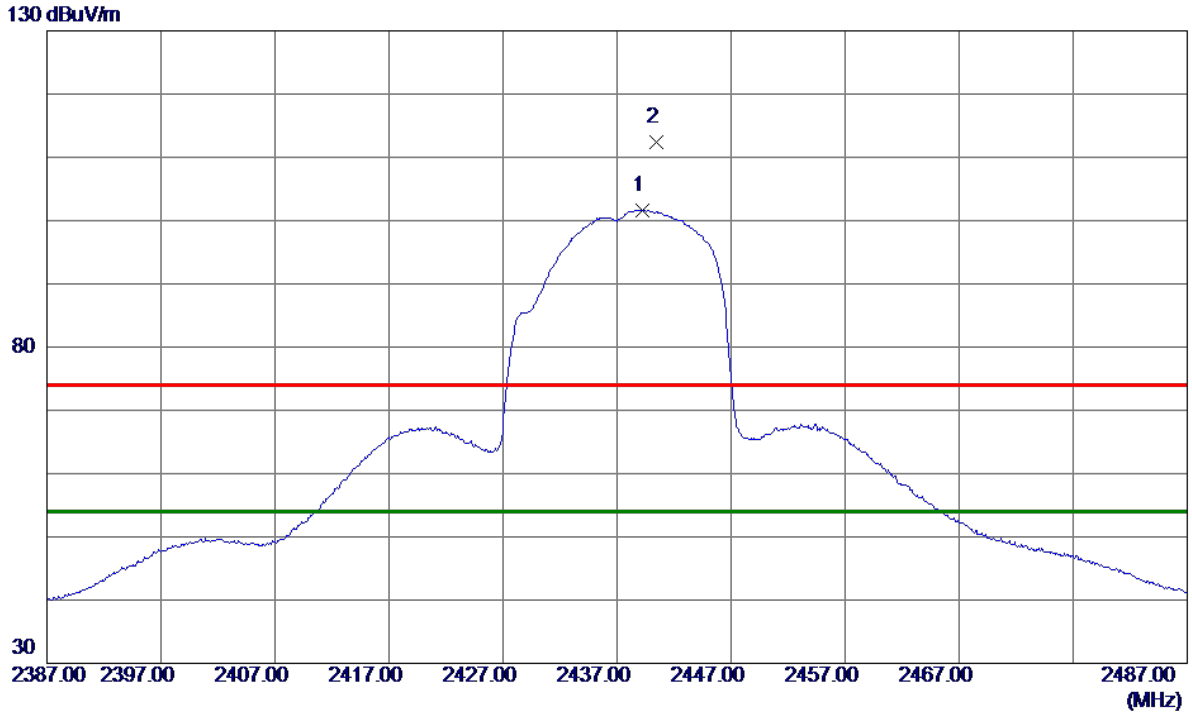
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		Detector	Comment
1 *	2439.2000	94.93	6.75	101.68	54.00	47.68		AVG	No Limit
2	2440.4500	105.56	6.75	112.31	74.00	38.31		Peak	No Limit

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

| Test Mode:	TX N-20M Mode 2437 MHz

Horizontal
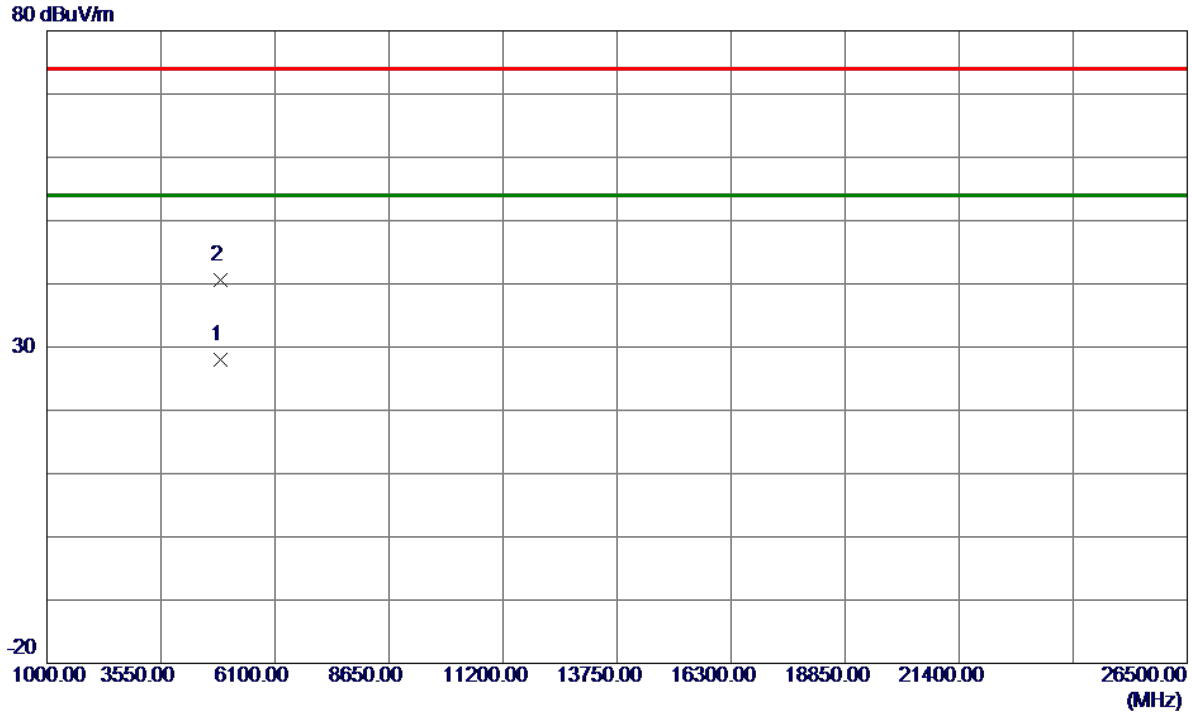
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1 *	4872.3600	23.89	4.11	28.00	54.00	−26.00	AVG		
2	4875.0520	36.41	4.12	40.53	74.00	−33.47	Peak		

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

Test Mode:	TX N-20M Mode 2457 MHz

Vertical
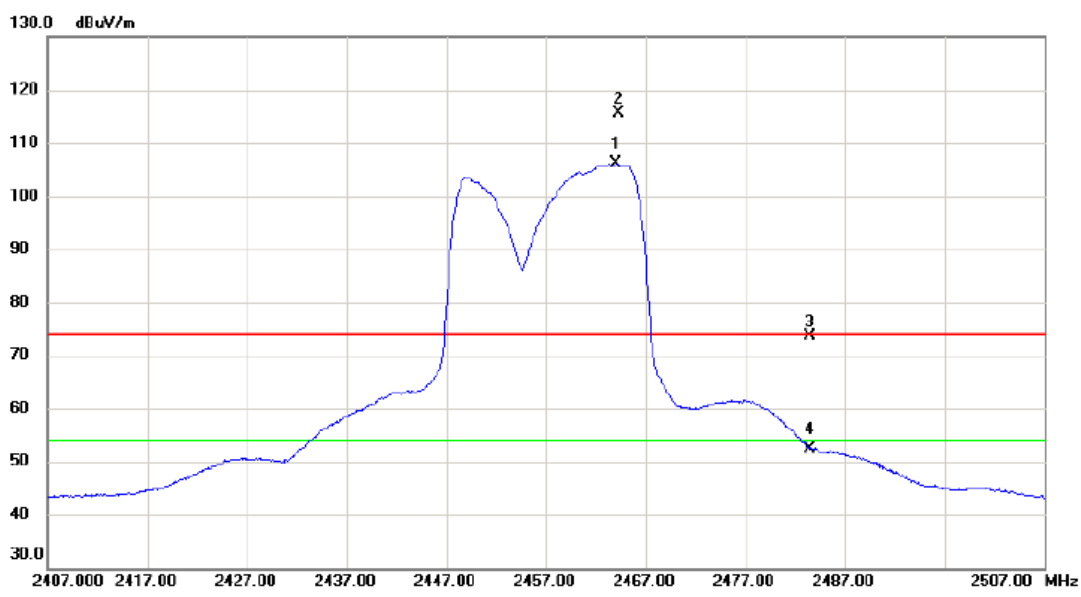
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2463.950	97.78	8.33	106.11	54.00	52.11	AVG	No Limit
2	X	2464.250	107.36	8.33	115.69	74.00	41.69	peak	No Limit
3		2483.500	65.18	8.38	73.56	74.00	-0.44	peak	
4		2483.500	44.07	8.38	52.45	54.00	-1.55	AVG	

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

Test Mode:	TX N-20M Mode 2457 MHz

Vertical
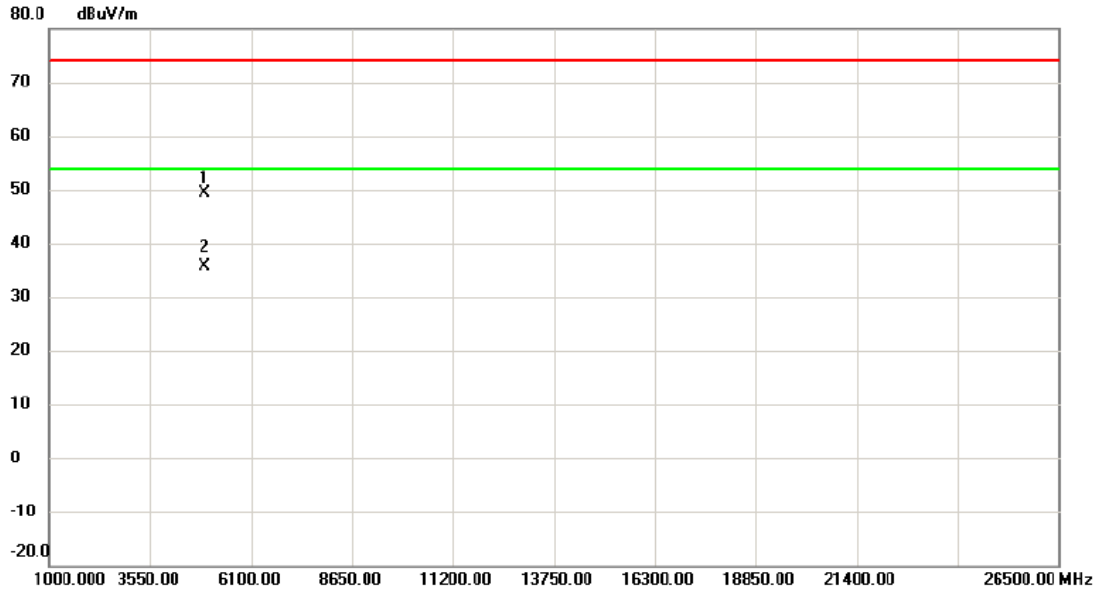
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4910.350	44.15	5.17	49.32	74.00	-24.68	peak	
2	*	4911.350	30.58	5.17	35.75	54.00	-18.25	AVG	

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

Test Mode:	TX N-20M Mode 2457 MHz

Horizontal
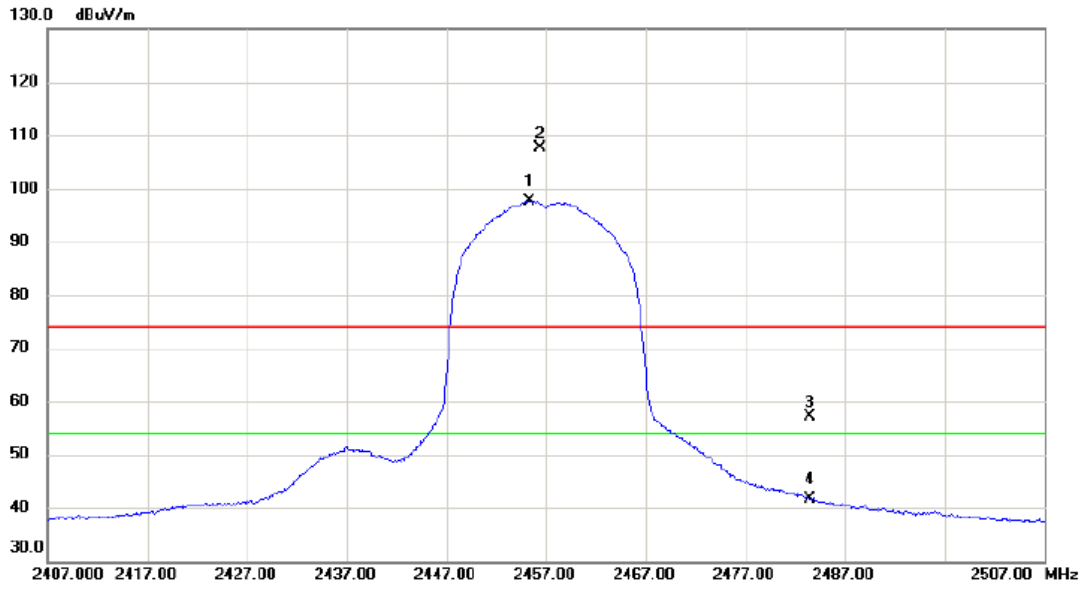
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2455.350	90.90	6.74	97.64	54.00	43.64	AVG	No Limit
2	X	2456.400	100.88	6.74	107.62	74.00	33.62	peak	No Limit
3		2483.500	50.47	6.73	57.20	74.00	-16.80	peak	
4		2483.500	34.81	6.73	41.54	54.00	-12.46	AVG	

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

Test Mode:	TX N-20M Mode 2457 MHz

Horizontal
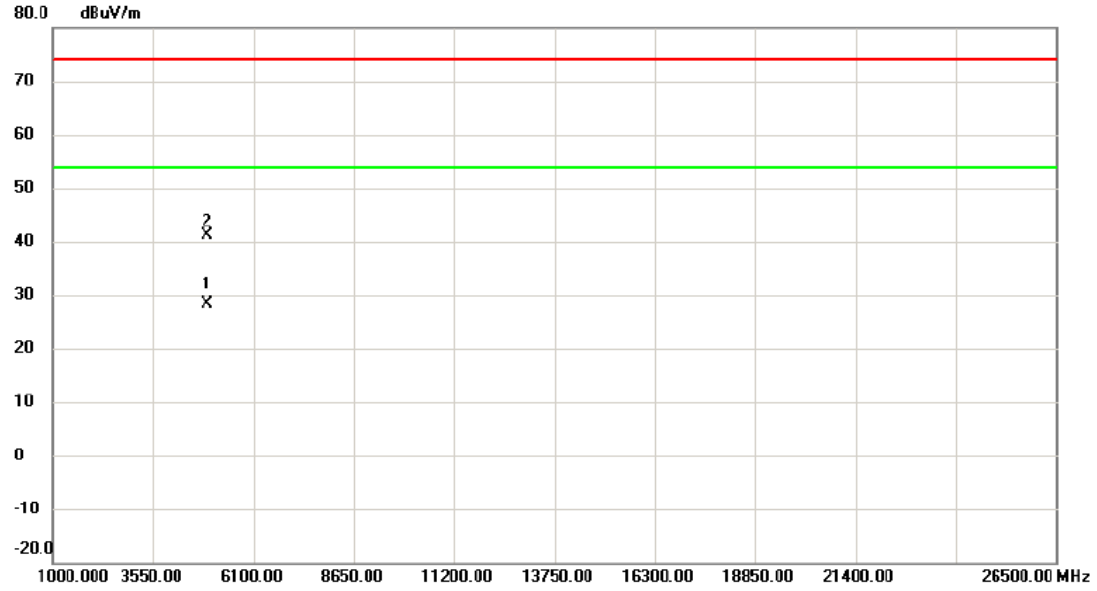
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4912.502	24.12	4.26	28.38	54.00	-25.62	AVG	
2		4912.677	36.83	4.26	41.09	74.00	-32.91	peak	

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

Test Mode:	TX N-20M Mode 2462 MHz

Vertical
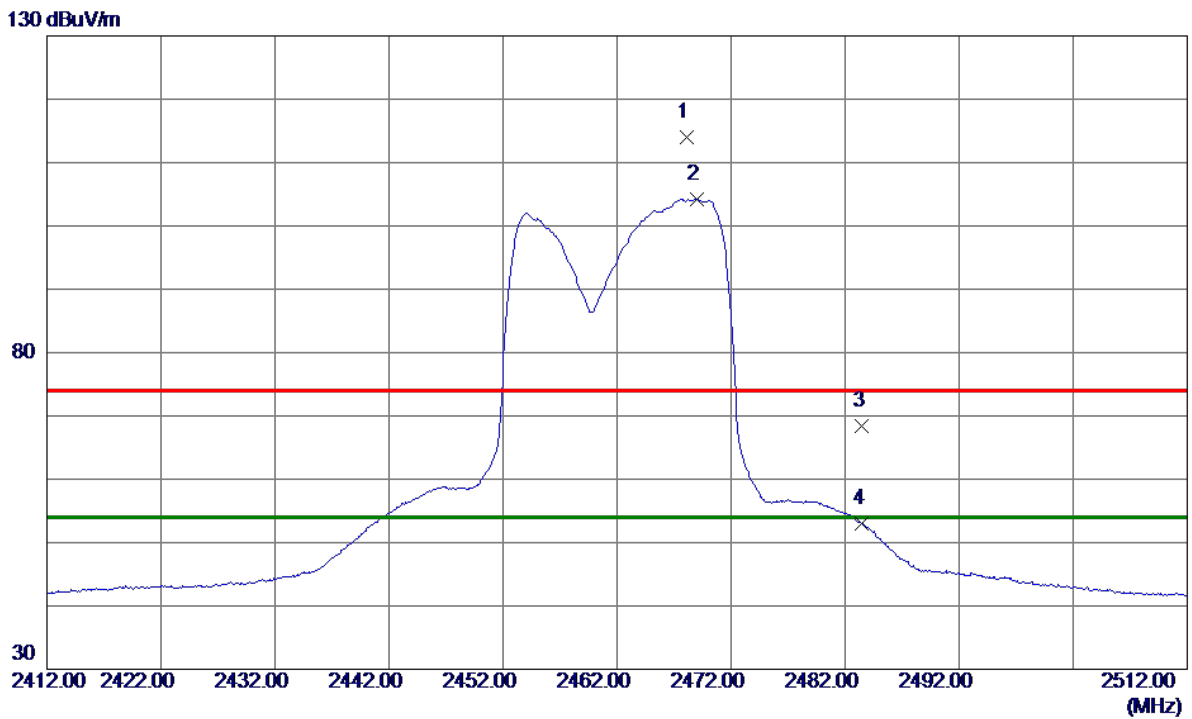
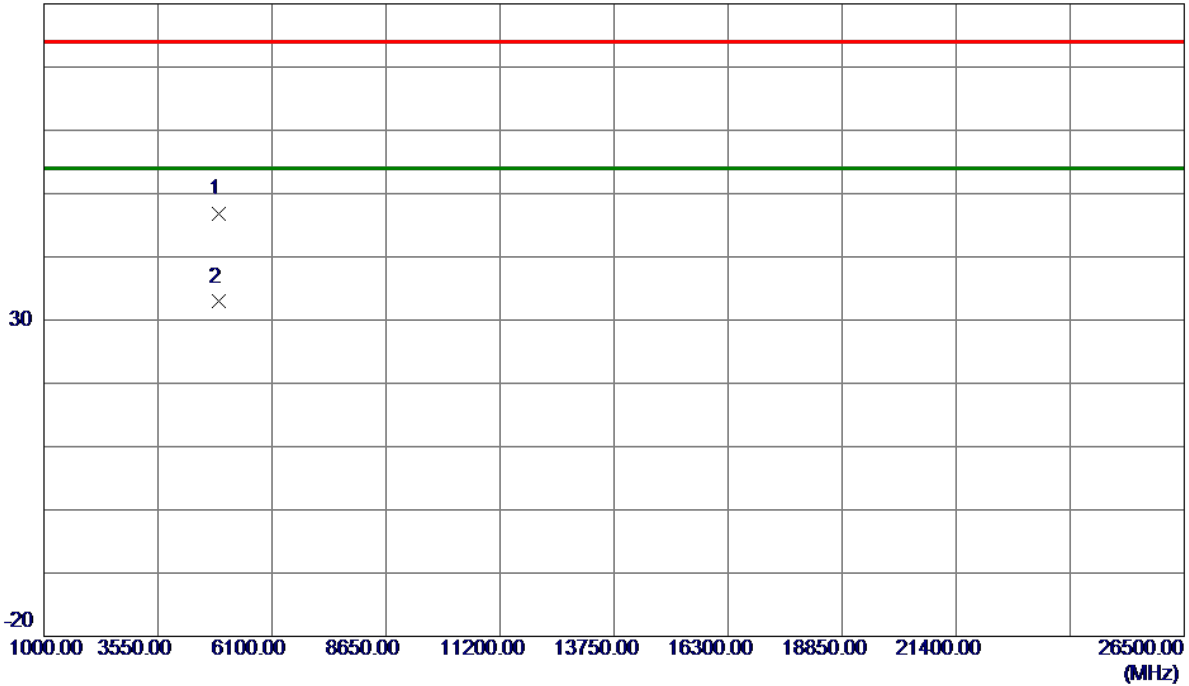| No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2468.1000	105.58	8.34	113.92	74.00	39.92	Peak	No Limit
2 *	2469.0000	95.94	8.34	104.28	54.00	50.28	AVG	No Limit
3	2483.5000	59.94	8.38	68.32	74.00	−5.68	Peak	
4	2483.5000	44.69	8.38	53.07	54.00	−0.93	AVG	

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

Test Mode:	TX N-20M Mode 2462 MHz

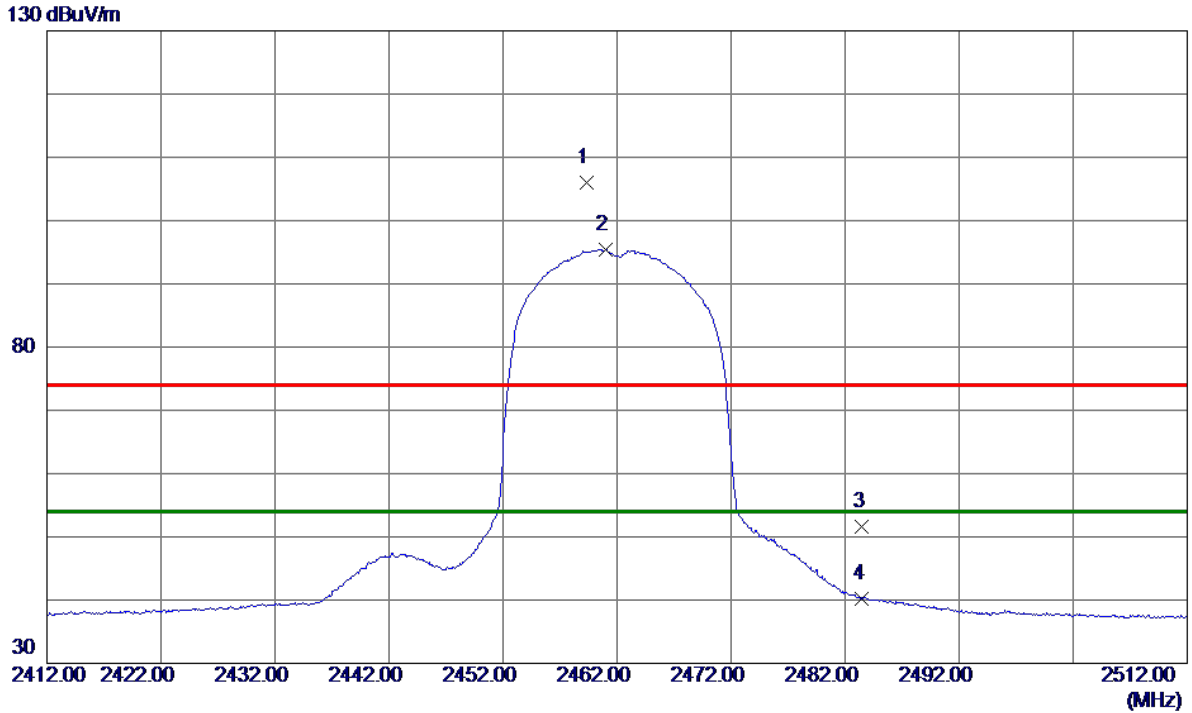**Vertical**

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4916.8250	41.67	5.20	46.87	74.00	-27.13	Peak	
2 *	4920.2250	27.68	5.22	32.90	54.00	-21.10	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		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB			
1	2459.3500	99.31	6.74	106.05	74.00	32.05		Peak	No Limit
2 *	2461.0500	88.69	6.74	95.43	54.00	41.43		AVG	No Limit
3	2483.5000	44.94	6.73	51.67	74.00	-22.33		Peak	
4	2483.5000	33.39	6.73	40.12	54.00	-13.88		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
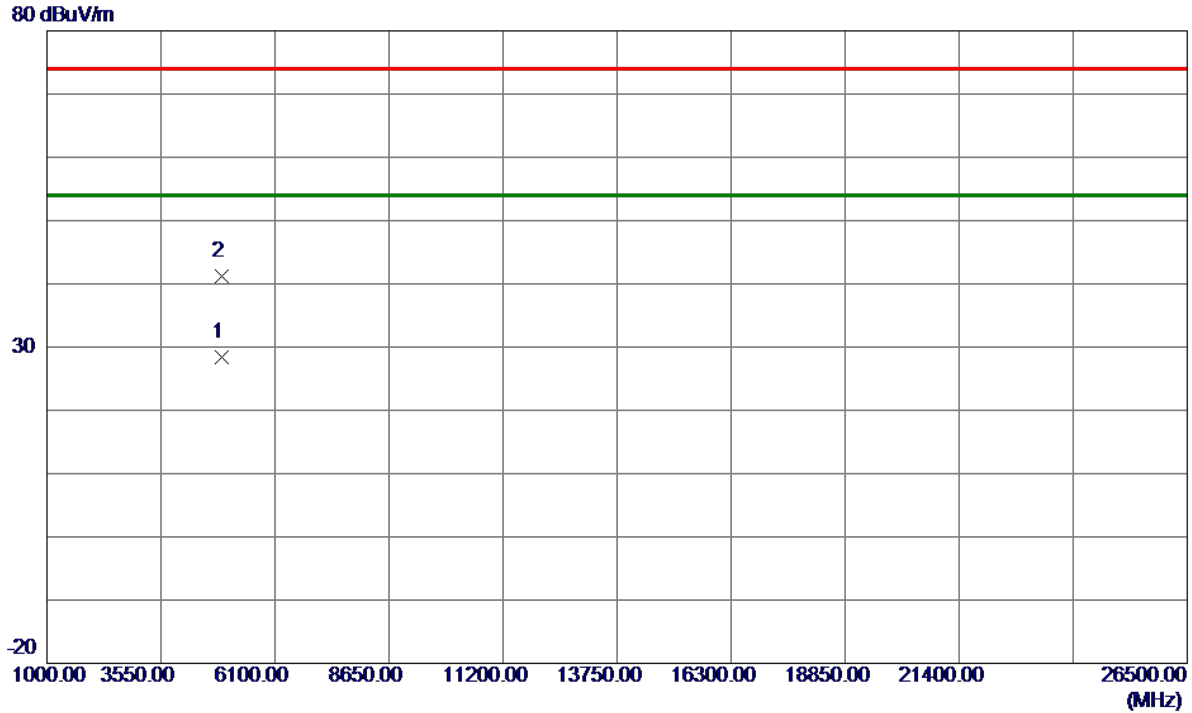
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4922.4080	24.16	4.31	28.47	54.00	-25.53	AVG	
2	4922.9480	36.96	4.31	41.27	74.00	-32.73	Peak	

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

Test Mode:	TX N-40M Mode 2422MHz

Vertical
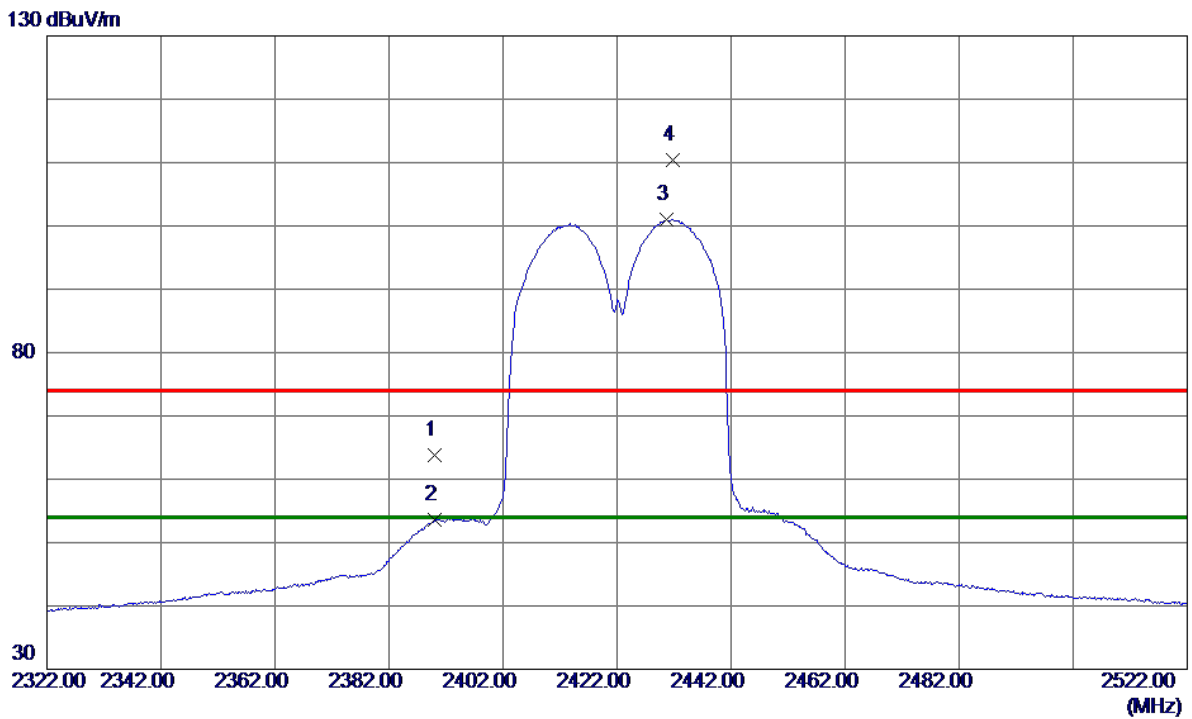
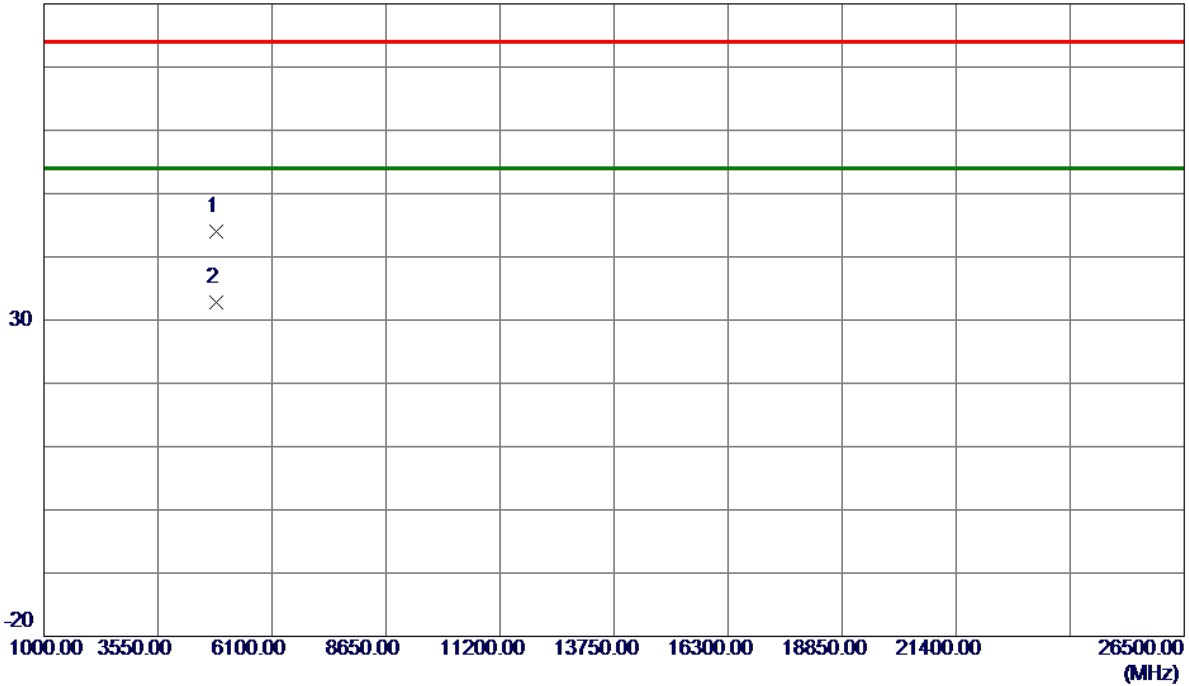| No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	55.74	8.11	63.85	74.00	-10.15	Peak	
2	2390.0000	45.43	8.11	53.54	54.00	-0.46	AVG	
3 *	2430.7000	92.79	8.23	101.02	54.00	47.02	AVG	No Limit
4	2431.7000	102.19	8.23	110.42	74.00	36.42	Peak	No Limit

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

Test Mode:	TX N-40M Mode 2422MHz

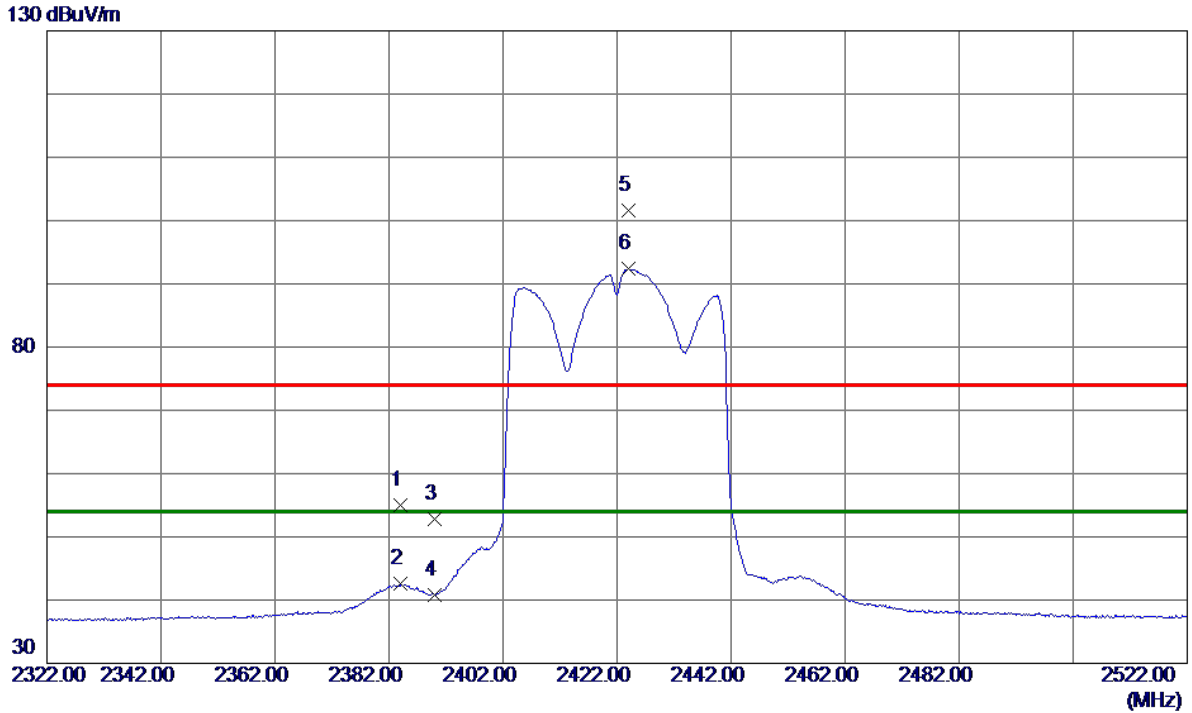**Vertical**

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4843.3000	39.11	4.84	43.95	74.00	−30.05	Peak	
2 *	4844.2000	28.00	4.84	32.84	54.00	−21.16	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.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2384.1000	48.17	6.76	54.93	74.00	-19.07	Peak	
2	2384.1000	35.82	6.76	42.58	54.00	-11.42	AVG	
3	2390.0000	46.11	6.76	52.87	74.00	-21.13	Peak	
4	2390.0000	34.12	6.76	40.88	54.00	-13.12	AVG	
5	2424.0000	94.81	6.75	101.56	74.00	27.56	Peak	No Limit
6 *	2424.1000	85.61	6.75	92.36	54.00	38.36	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
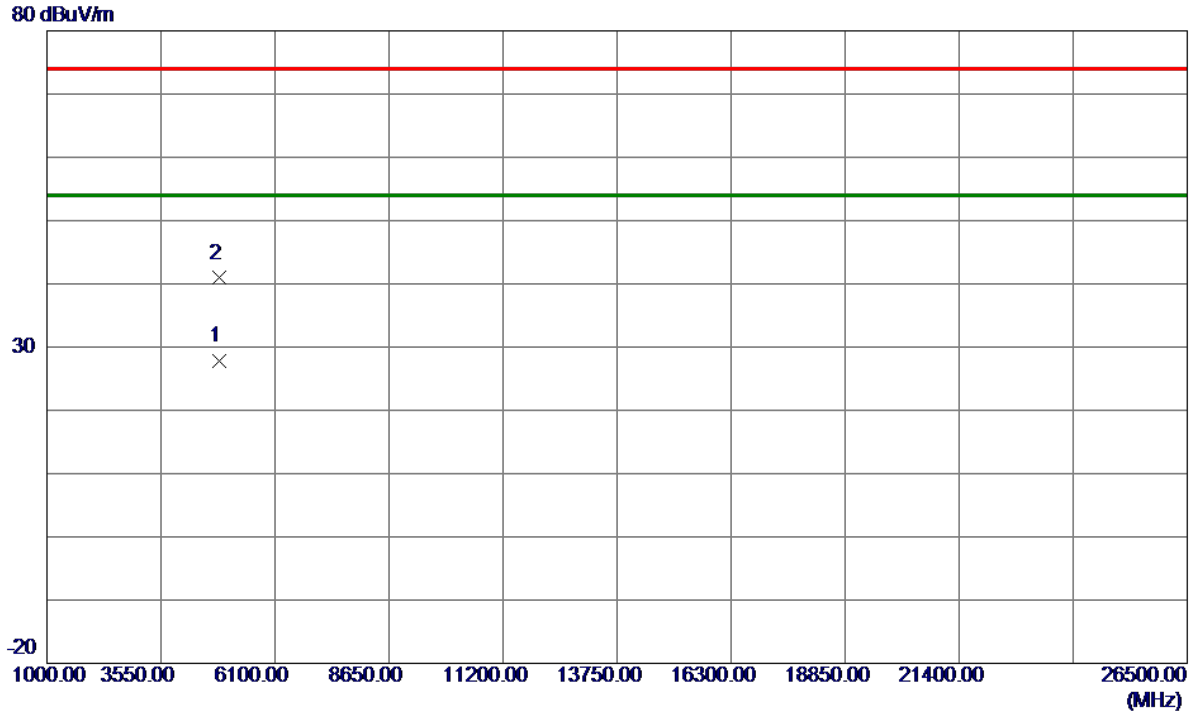
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4842.5800	23.85	3.99	27.84	54.00	−26.16	AVG	
2	4845.9000	36.89	4.01	40.90	74.00	−33.10	Peak	

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

Test Mode:	TX N-40M Mode 2427 MHz

Vertical
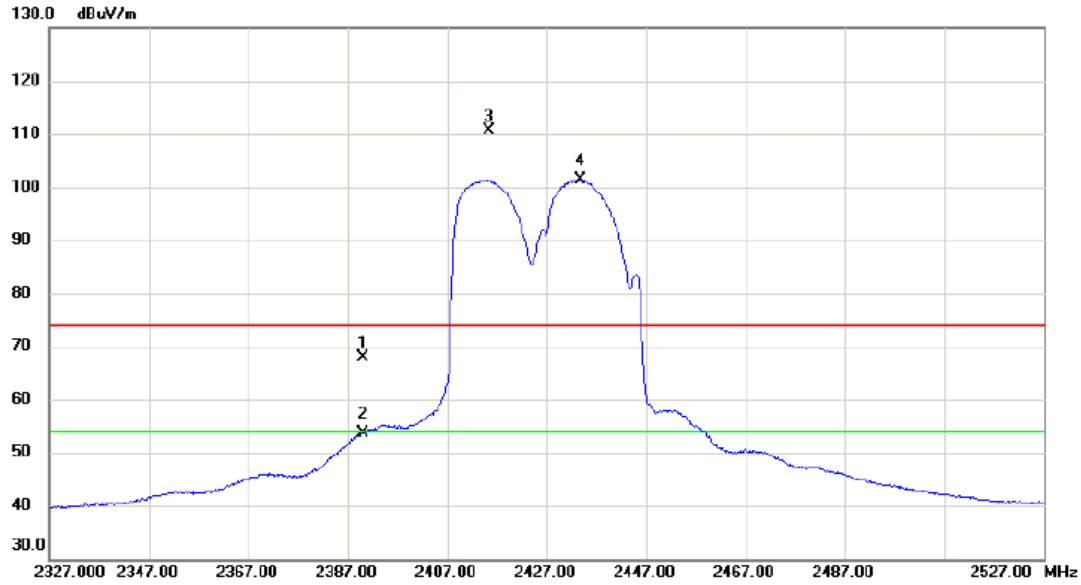
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	59.67	8.11	67.78	74.00	-6.22	peak	
2		2390.000	45.40	8.11	53.51	54.00	-0.49	AVG	
3	X	2415.500	102.39	8.19	110.58	74.00	36.58	peak	No Limit
4	*	2433.800	93.12	8.23	101.35	54.00	47.35	AVG	No Limit

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

Test Mode:	TX N-40M Mode 2427 MHz

Vertical
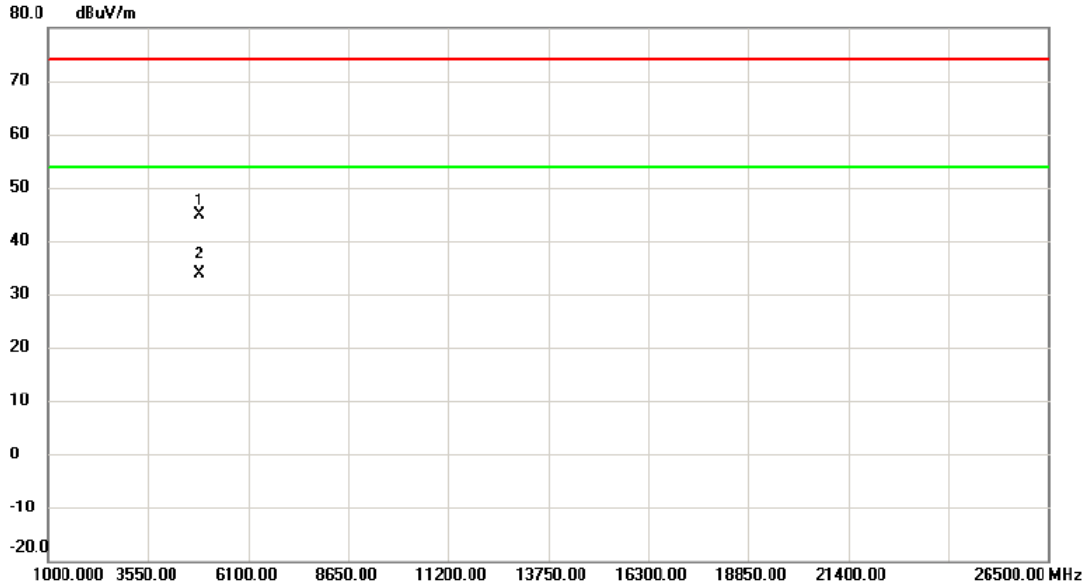
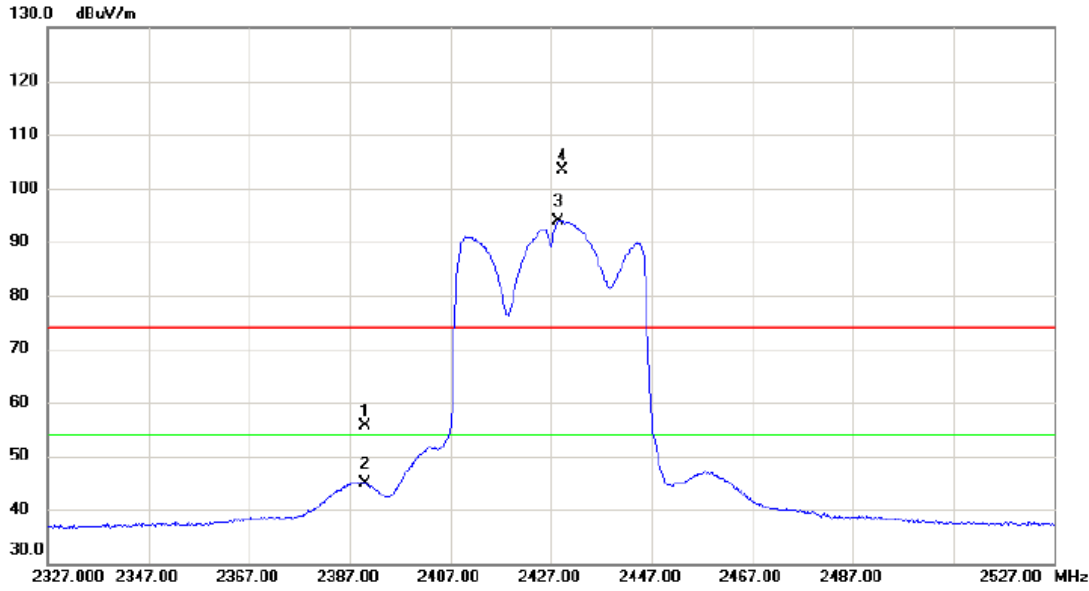| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4853.350	40.11	4.89	45.00	74.00	-29.00	peak	
2	*	4853.800	29.10	4.89	33.99	54.00	-20.01	AVG	

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

Test Mode:	TX N-40M Mode 2427 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	48.82	6.76	55.58	74.00	-18.42	peak	
2		2390.000	38.19	6.76	44.95	54.00	-9.05	AVG	
3	*	2428.500	87.17	6.75	93.92	54.00	39.92	AVG	No Limit
4	X	2429.200	96.57	6.75	103.32	74.00	29.32	peak	No Limit

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

Test Mode:	TX N-40M Mode 2427 MHz

Horizontal
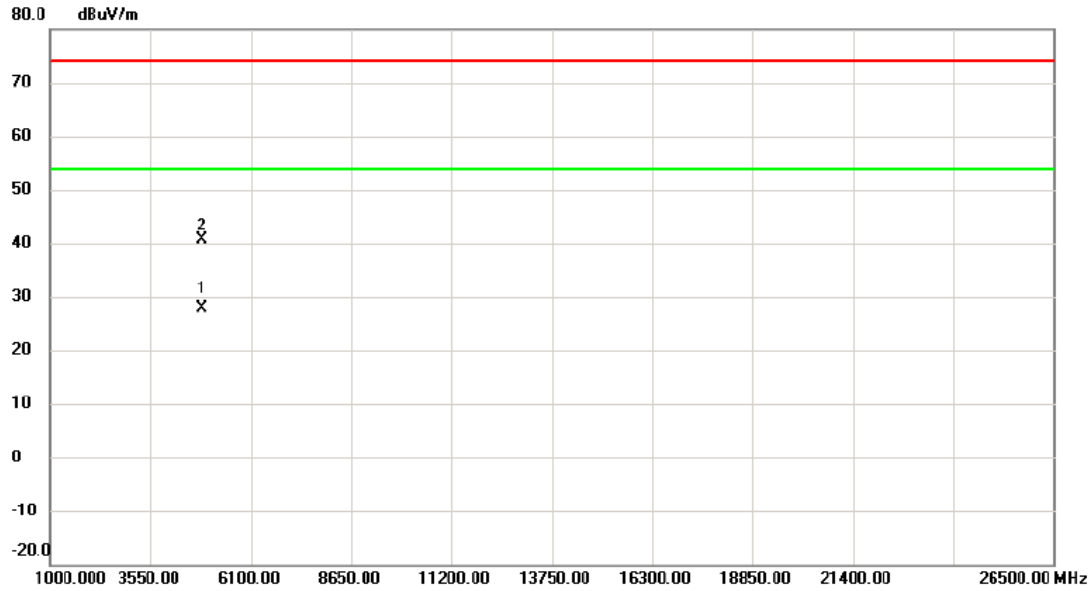
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	4852.400	23.83	4.03	27.86	54.00	-26.14	AVG	
2		4853.575	36.65	4.04	40.69	74.00	-33.31	peak	

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

Test Mode:	TX N-40M Mode 2437 MHz

Vertical
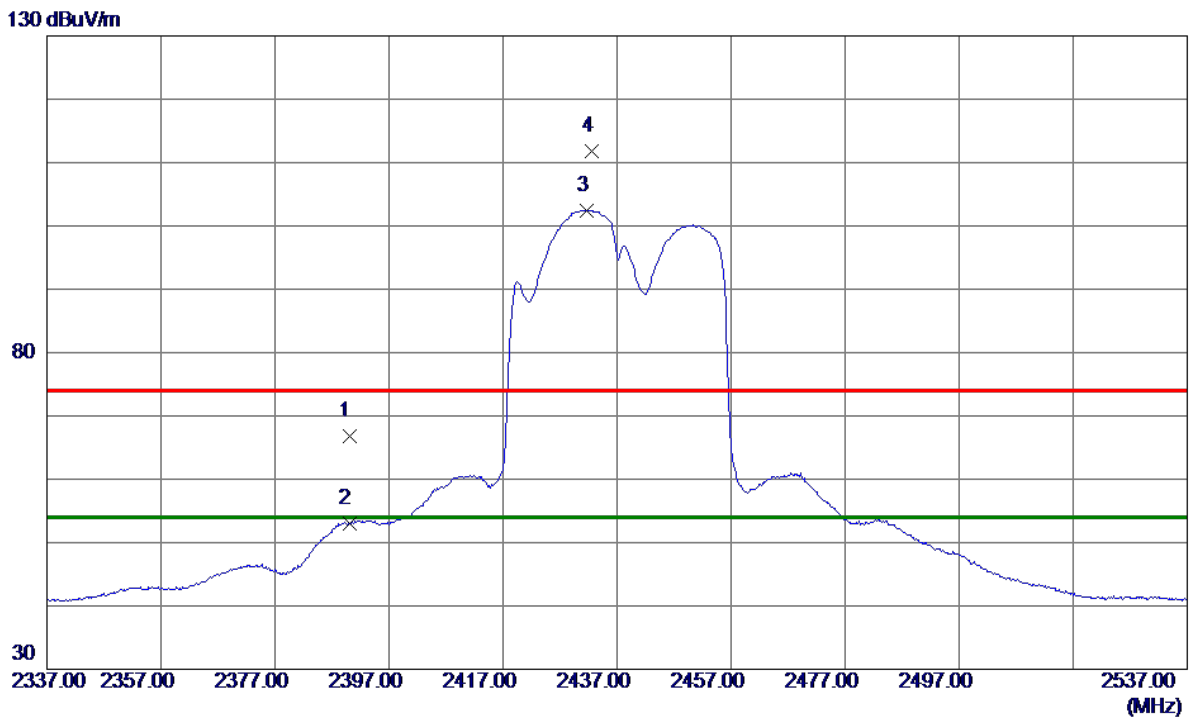
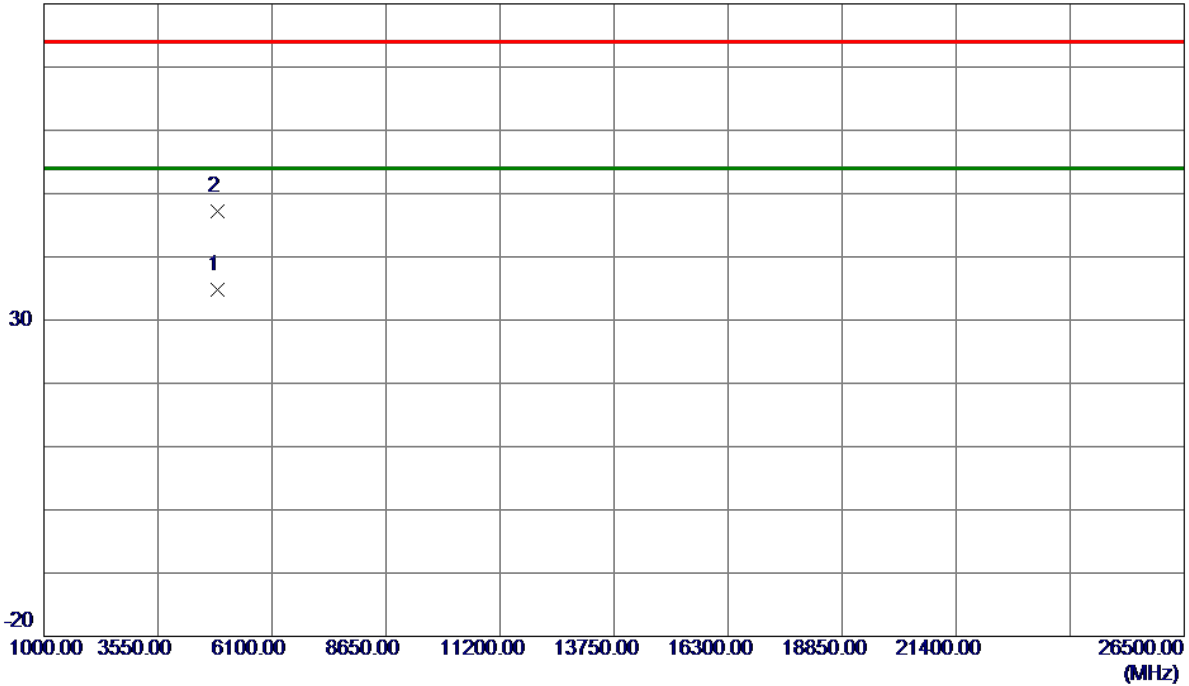| No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	58.63	8.11	66.74	74.00	-7.26	Peak	
2	2390.0000	44.90	8.11	53.01	54.00	-0.99	AVG	
3 *	2431.7000	94.26	8.23	102.49	54.00	48.49	AVG	No Limit
4	2432.6000	103.49	8.23	111.72	74.00	37.72	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

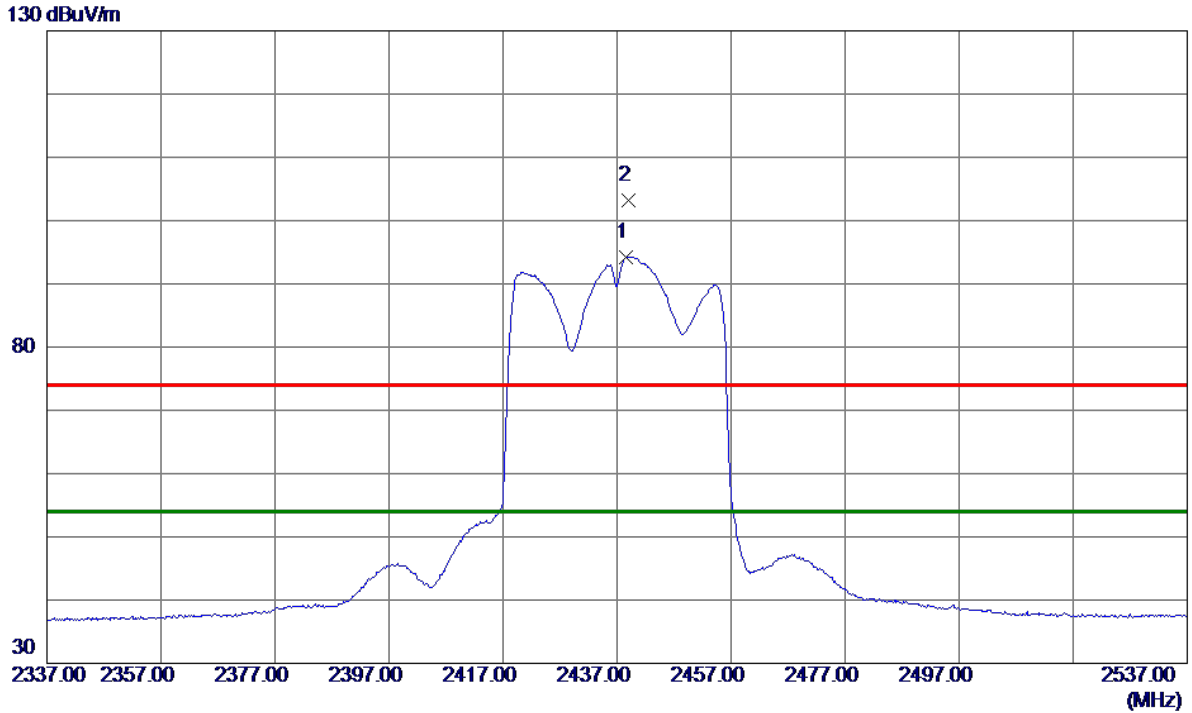**Vertical**

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4870.5500	29.87	4.97	34.84	54.00	-19.16	AVG	
2	4871.1000	42.21	4.98	47.19	74.00	-26.81	Peak	

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

| Test Mode:	TX N-40M Mode 2437 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		Detector	Comment
1 *	2438.5000	87.50	6.75	94.25	54.00	40.25		AVG	No Limit
2	2439.0000	96.53	6.75	103.28	74.00	29.28		Peak	No Limit

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

Test Mode:	TX N-40M Mode 2437 MHz

Horizontal
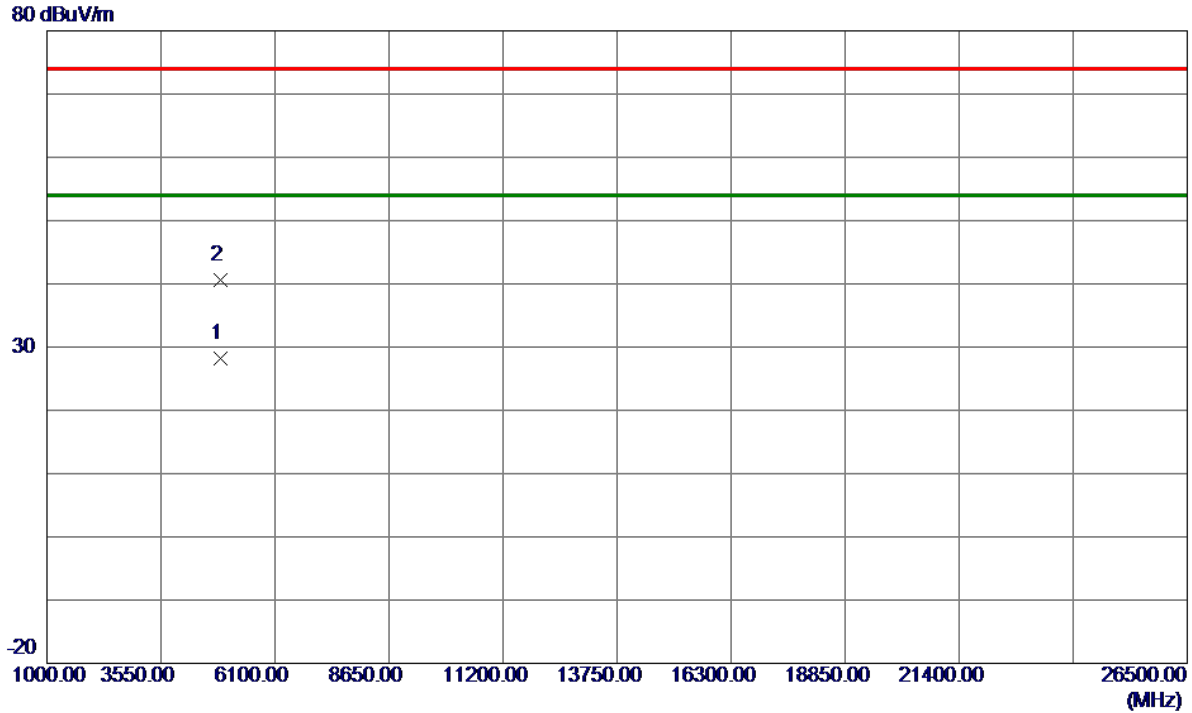
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.5570	24.02	4.11	28.13	54.00	-25.87	AVG	
2	4873.7599	36.42	4.12	40.54	74.00	-33.46	Peak	

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

Test Mode:	TX N-40M Mode 2447 MHz

Vertical
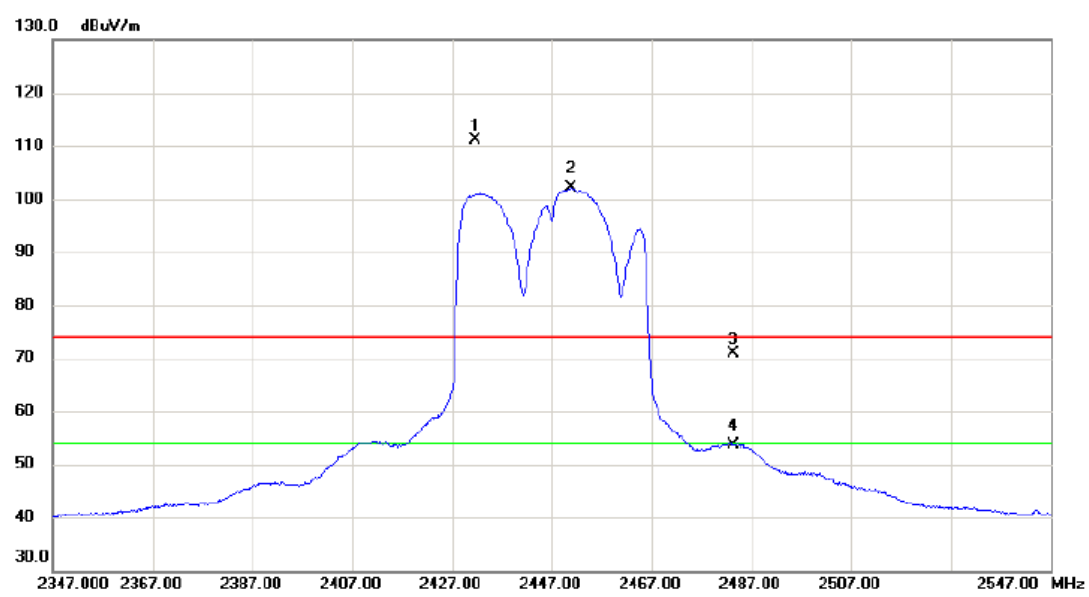
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	X	2431.600	103.02	8.23	111.25	74.00	37.25	peak	No Limit
2	*	2450.900	93.74	8.28	102.02	54.00	48.02	AVG	No Limit
3		2483.500	62.41	8.38	70.79	74.00	-3.21	peak	
4		2483.500	45.18	8.38	53.56	54.00	-0.44	AVG	

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

Test Mode:	TX N-40M Mode 2447 MHz

Vertical
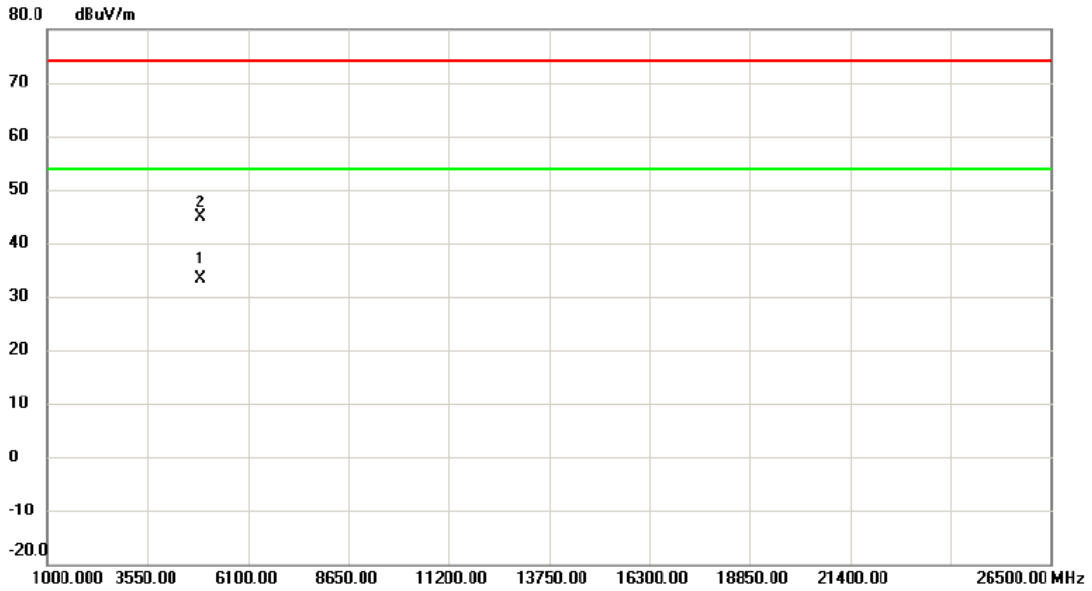
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	4886.900	28.35	5.05	33.40	54.00	-20.60	AVG	
2		4904.150	39.69	5.14	44.83	74.00	-29.17	peak	

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

| Test Mode:	TX N-40M Mode 2447 MHz

Horizontal
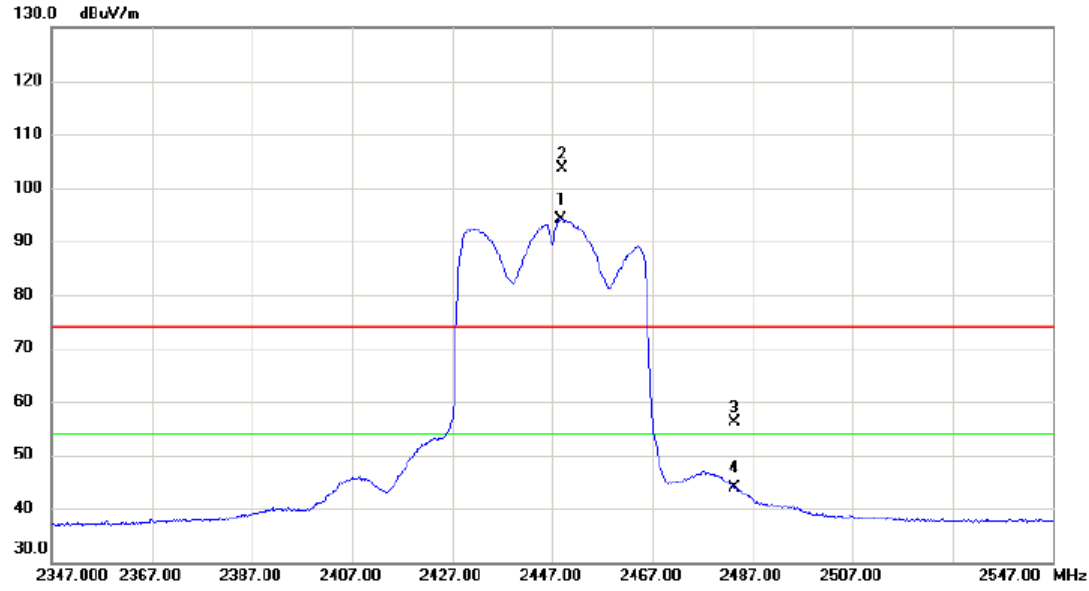
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2448.700	87.44	6.74	94.18	54.00	40.18	AVG	No Limit
2	X	2449.100	96.86	6.74	103.60	74.00	29.60	peak	No Limit
3		2483.500	49.28	6.73	56.01	74.00	-17.99	peak	
4		2483.500	37.21	6.73	43.94	54.00	-10.06	AVG	

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

| Test Mode:	TX N-40M Mode 2447 MHz

Horizontal
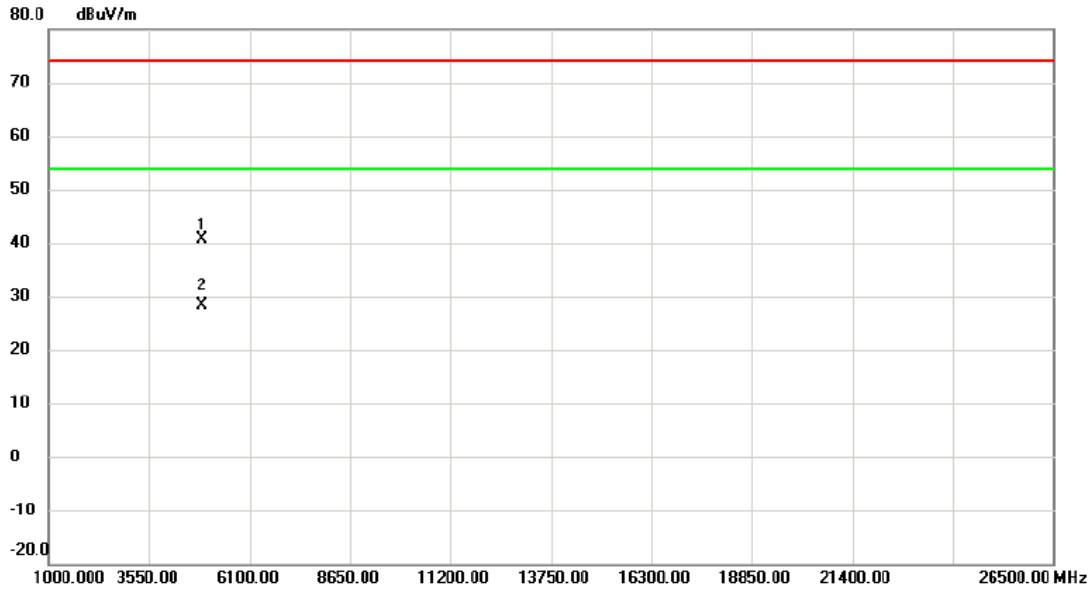
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4893.370	36.51	4.20	40.71	74.00	-33.29	peak	
2	*	4893.560	24.12	4.20	28.32	54.00	-25.68	AVG	

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

Test Mode:	TX N-40M Mode 2452 MHz

Vertical
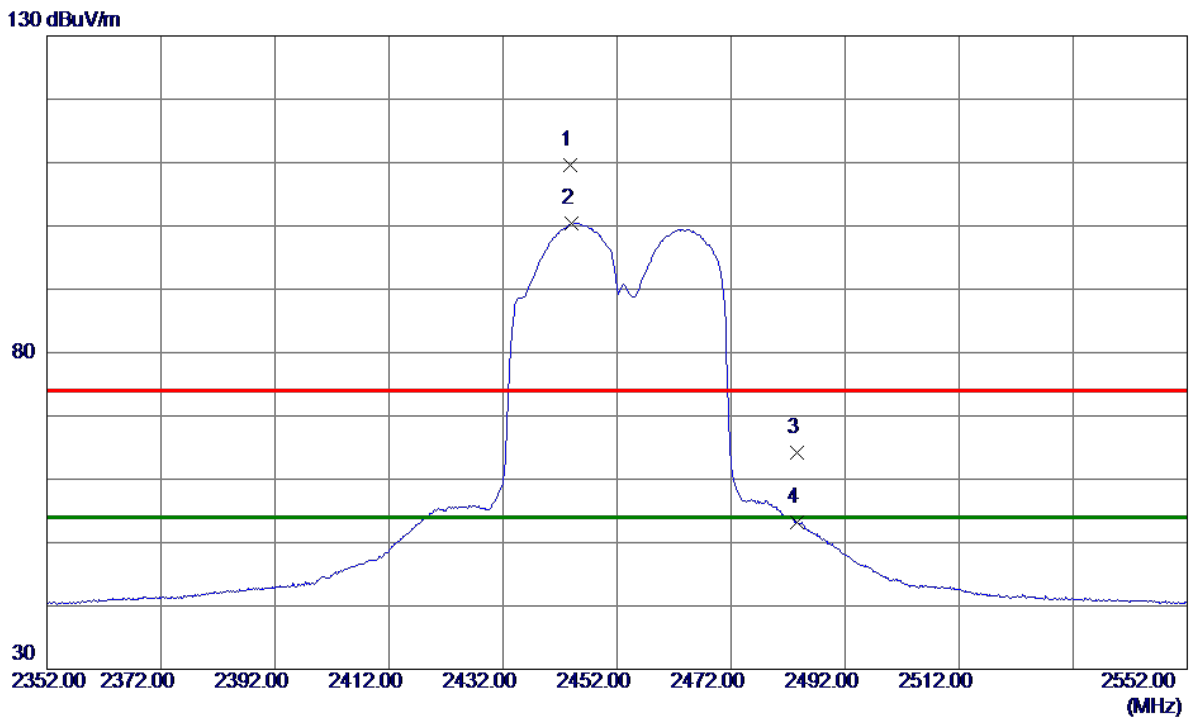
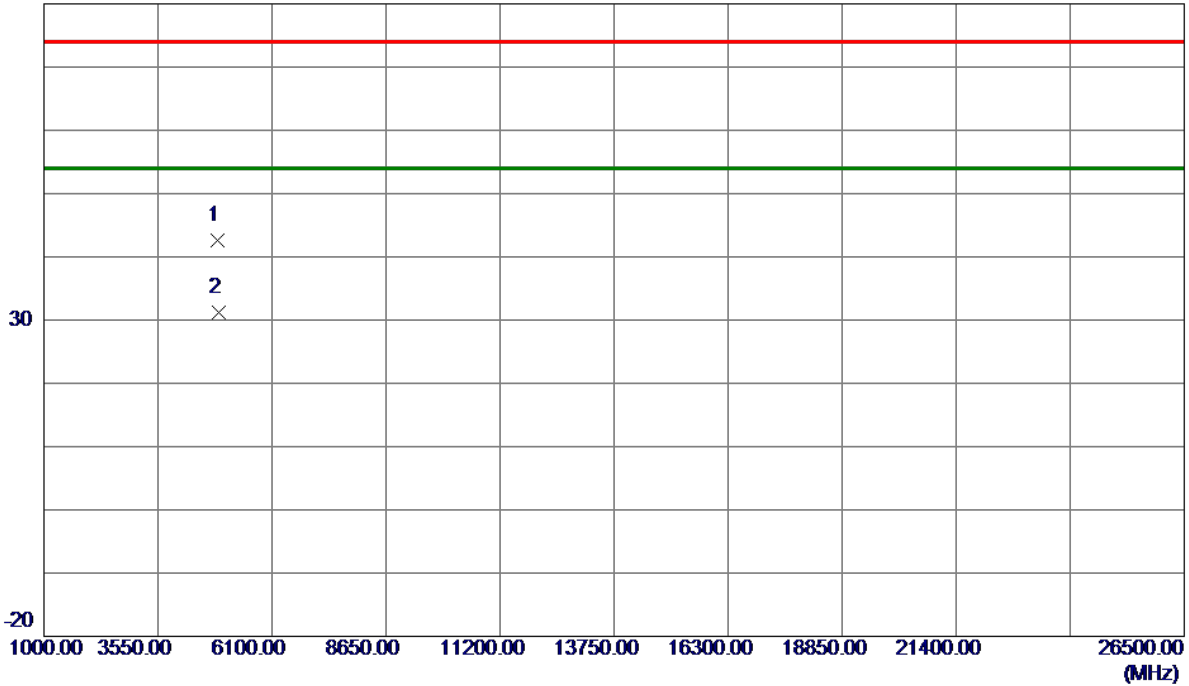| No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2443.8000	101.33	8.27	109.60	74.00	35.60	Peak	No Limit
2 *	2444.1000	92.13	8.27	100.40	54.00	46.40	AVG	No Limit
3	2483.5000	55.83	8.38	64.21	74.00	-9.79	Peak	
4	2483.5000	44.82	8.38	53.20	54.00	-0.80	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

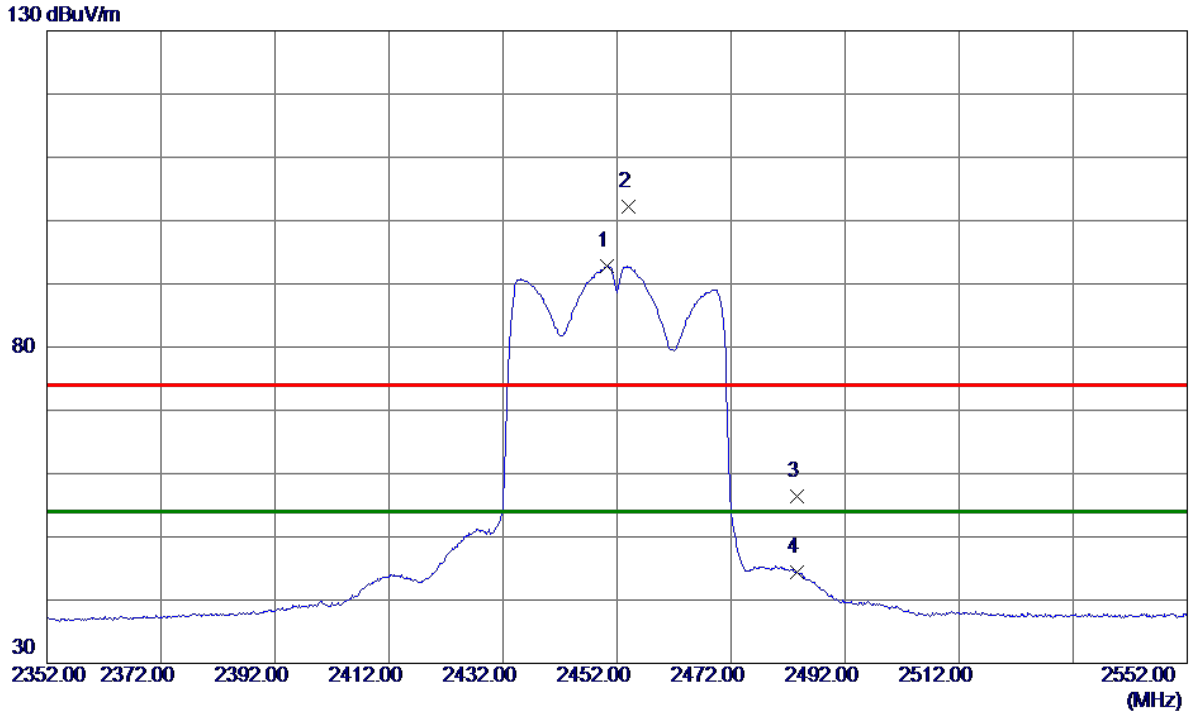| No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4894.9000	37.57	5.09	42.66	74.00	−31.34	Peak	
2 *	4896.3000	26.03	5.10	31.13	54.00	−22.87	AVG	

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		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		Detector	Comment
1 *	2450.3000	86.08	6.74	92.82	54.00	38.82		AVG	No Limit
2	2453.9000	95.41	6.74	102.15	74.00	28.15		Peak	No Limit
3	2483.5000	49.61	6.73	56.34	74.00	−17.66		Peak	
4	2483.5000	37.67	6.73	44.40	54.00	−9.60		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
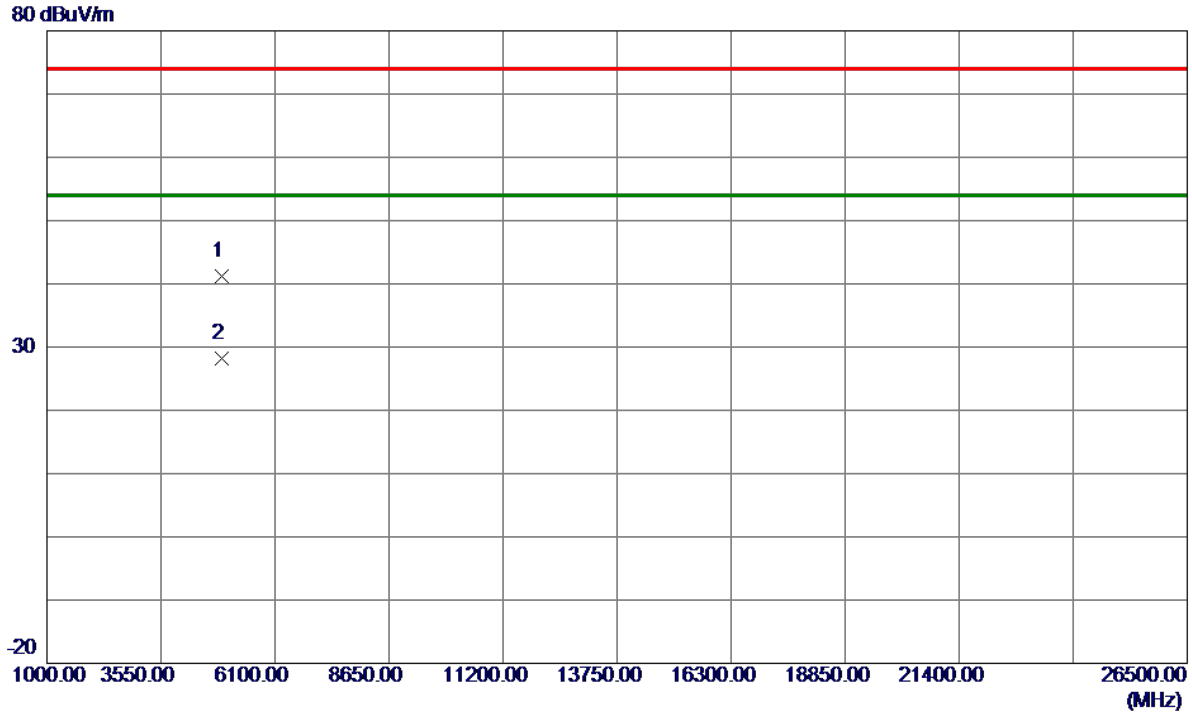
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		Detector	Comment
1	4902.1269	36.95	4.23	41.18	74.00	-32.82		Peak	
2 *	4903.4550	23.94	4.23	28.17	54.00	-25.83		AVG	

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

Beamforming

| Test Mode:	TX N-20M Mode 2412 MHz
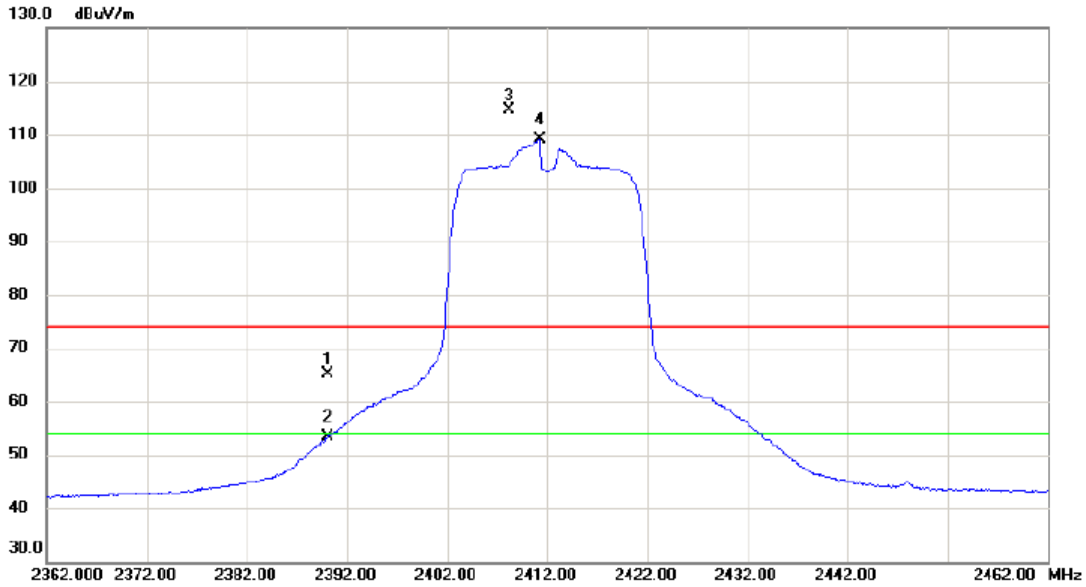
Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	57.61	7.57	65.18	74.00	-8.82	peak	
2		2390.000	45.81	7.57	53.38	54.00	-0.62	AVG	
3	X	2408.250	107.09	7.62	114.71	74.00	40.71	peak	No Limit
4	*	2411.250	101.48	7.63	109.11	54.00	55.11	AVG	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
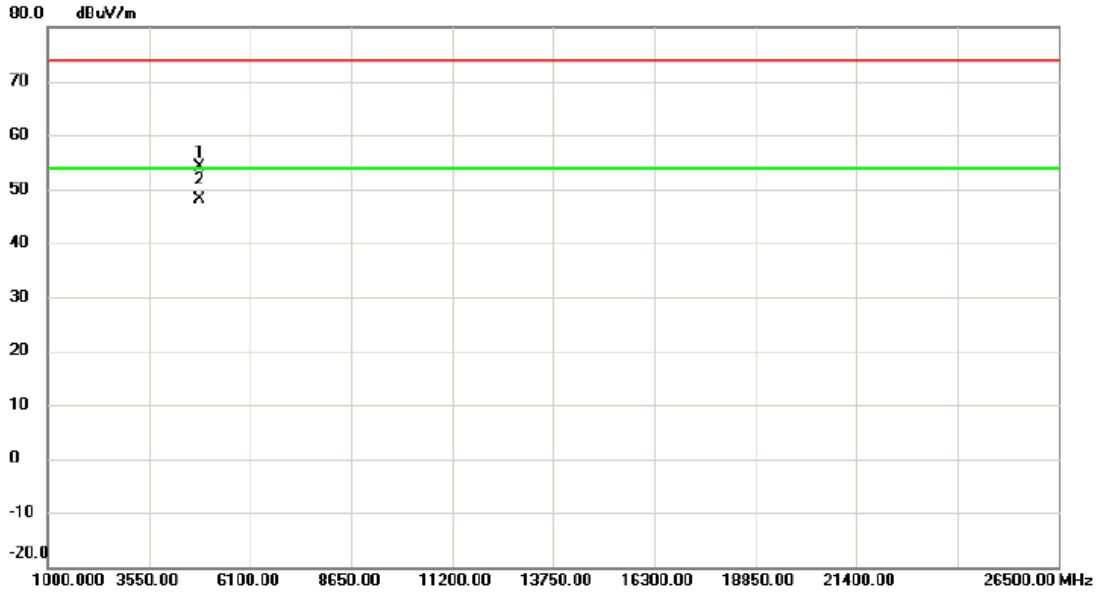
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4823.621	49.97	4.26	54.23	74.00	-19.77	peak	
2	*	4824.259	43.87	4.26	48.13	54.00	-5.87	AVG	

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

| Test Mode:	TX N-20M Mode 2412 MHz

Horizontal
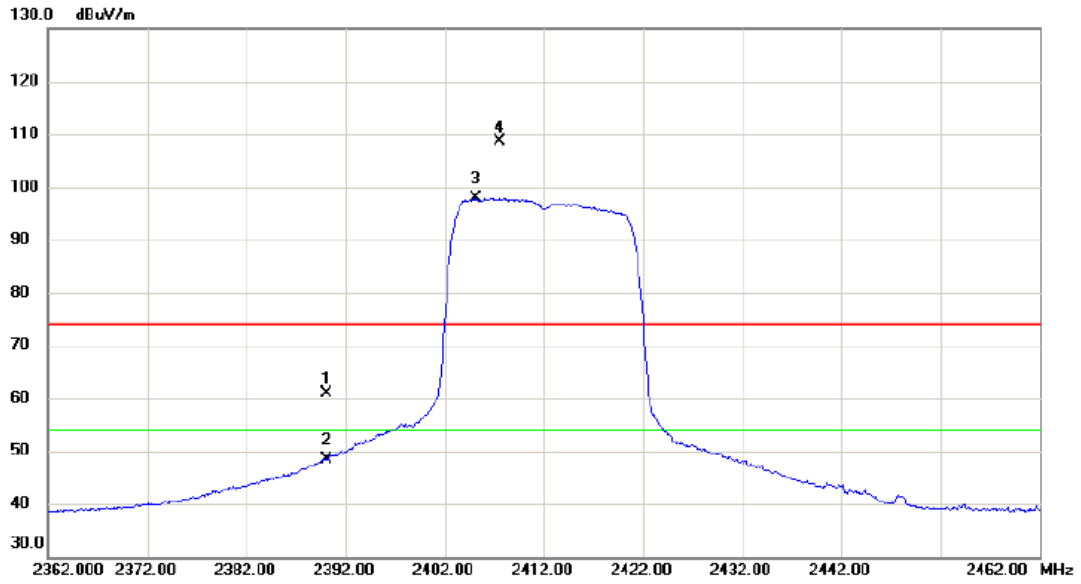
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	53.35	7.57	60.92	74.00	-13.08	peak	
2		2390.000	40.73	7.57	48.30	54.00	-5.70	AVG	
3	*	2405.100	90.28	7.61	97.89	54.00	43.89	AVG	No Limit
4	X	2407.550	100.94	7.62	108.56	74.00	34.56	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
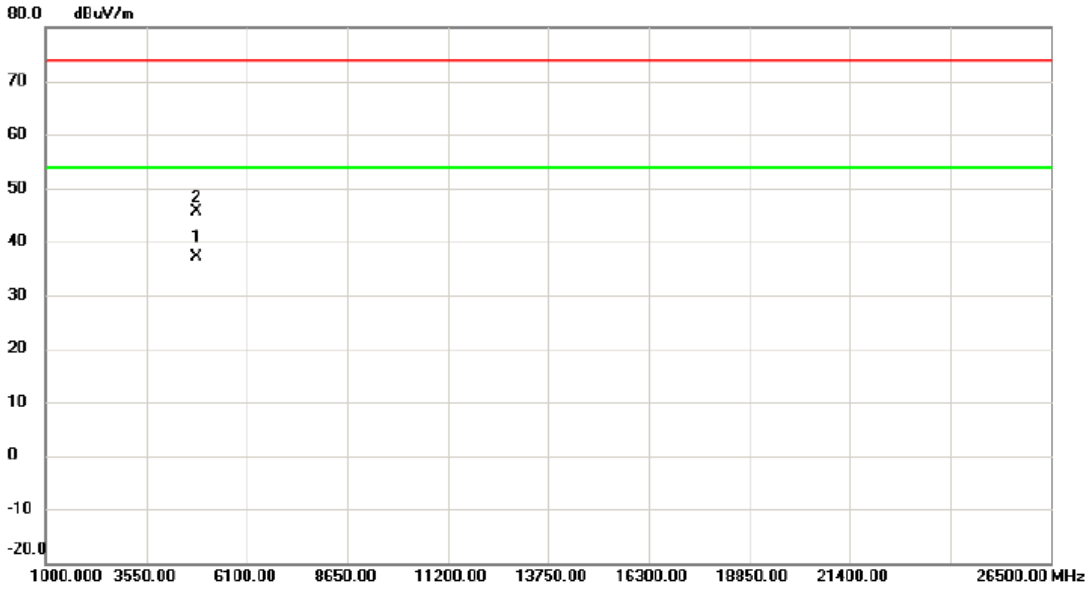
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	4823.630	32.85	4.26	37.11	54.00	-16.89	AVG	
2		4823.990	41.28	4.26	45.54	74.00	-28.46	peak	

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

Test Mode:	TX N-20M Mode 2417 MHz

Vertical
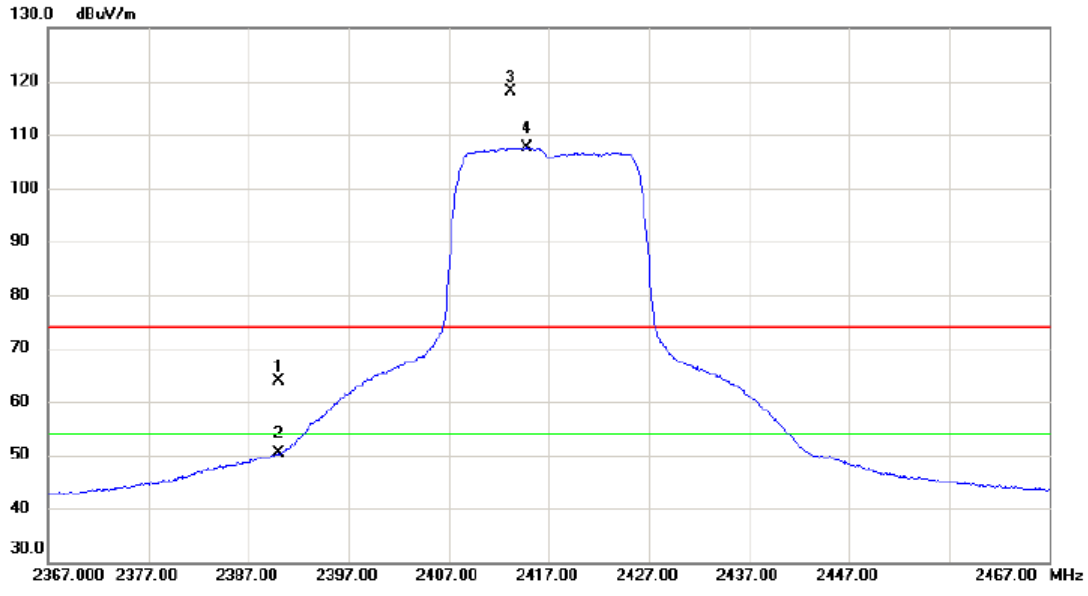
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	56.27	7.57	63.84	74.00	-10.16	peak	
2		2390.000	42.74	7.57	50.31	54.00	-3.69	AVG	
3	X	2413.200	110.43	7.65	118.08	74.00	44.08	peak	No Limit
4	*	2414.750	99.87	7.65	107.52	54.00	53.52	AVG	No Limit

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

Test Mode:	TX N-20M Mode 2417 MHz

Vertical
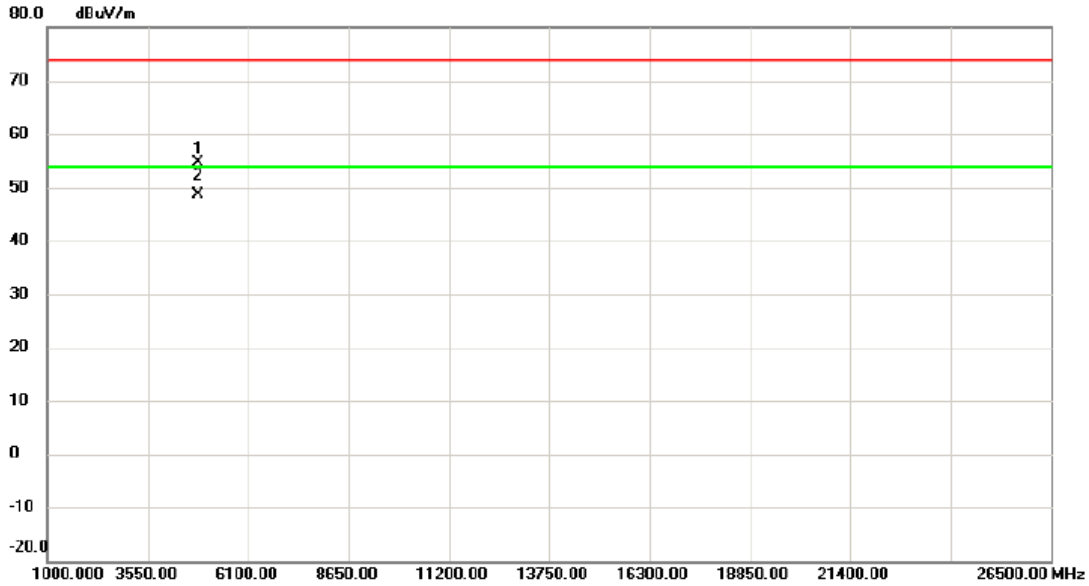
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4833.854	50.23	4.29	54.52	74.00	-19.48	peak	
2	*	4834.115	44.44	4.29	48.73	54.00	-5.27	AVG	

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

| Test Mode:	TX N-20M Mode 2417 MHz

Horizontal
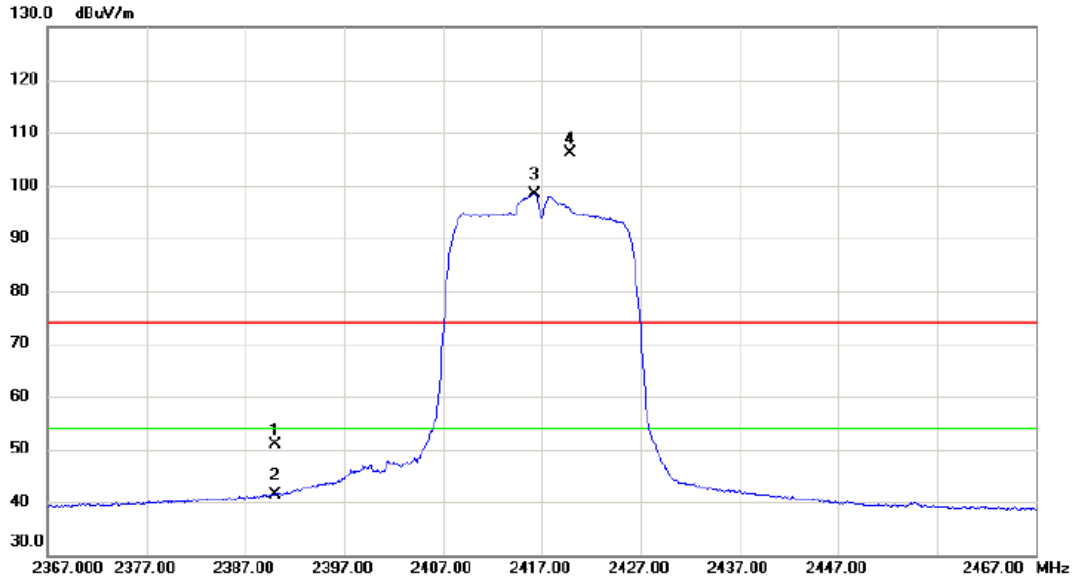
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	43.25	7.57	50.82	74.00	-23.18	peak	
2		2390.000	33.85	7.57	41.42	54.00	-12.58	AVG	
3	*	2416.250	90.80	7.66	98.46	54.00	44.46	AVG	No Limit
4	X	2419.850	98.44	7.66	106.10	74.00	32.10	peak	No Limit

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

| Test Mode:	TX N-20M Mode 2417 MHz

Horizontal
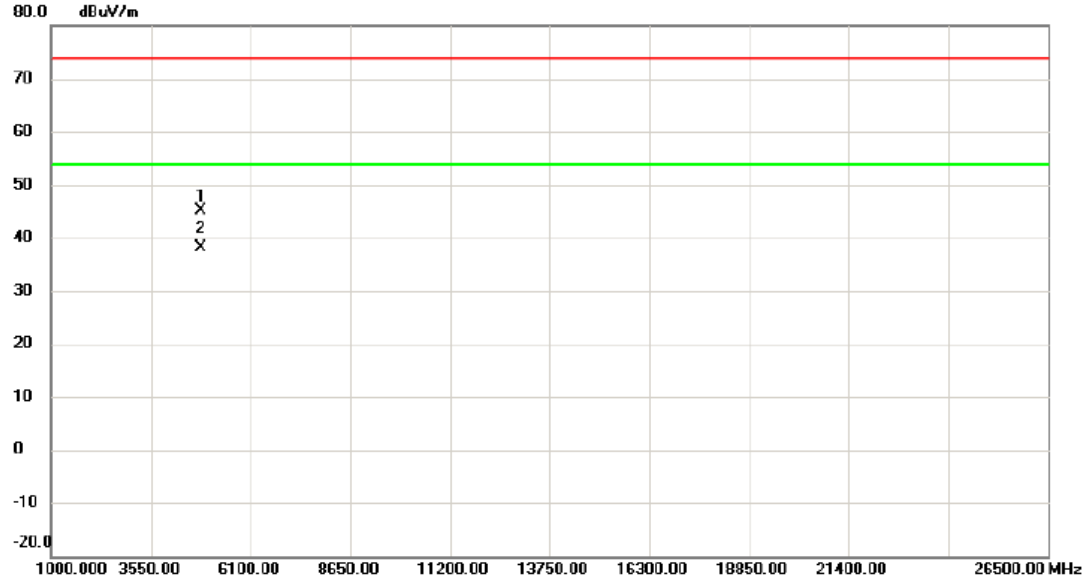
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4833.930	40.83	4.29	45.12	74.00	-28.88	peak	
2	*	4834.230	33.87	4.29	38.16	54.00	-15.84	AVG	

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

Test Mode:	TX N-20M Mode 2437 MHz

Vertical
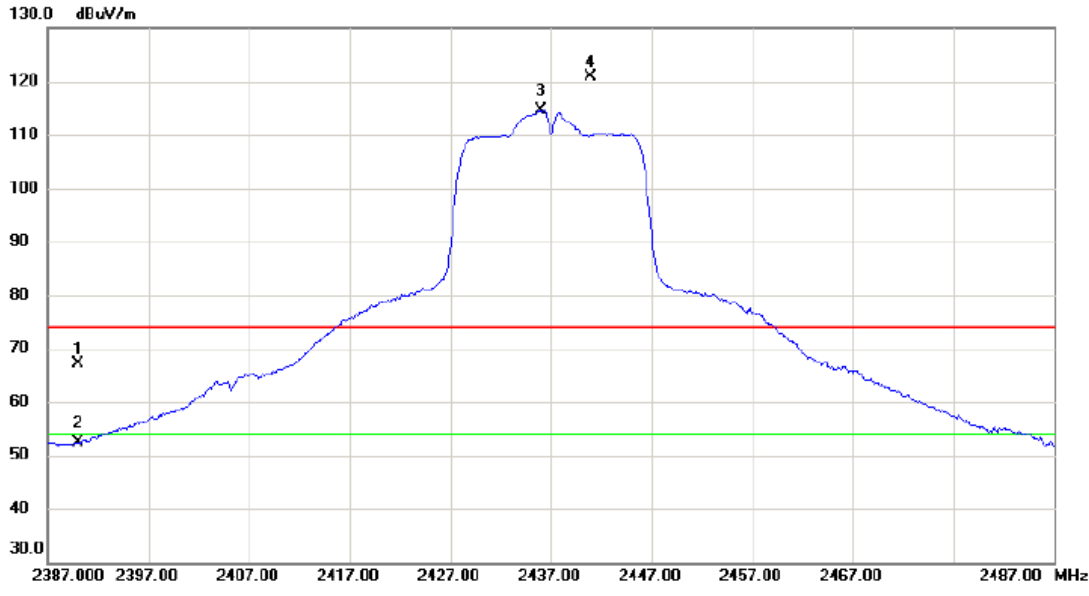
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	59.46	7.57	67.03	74.00	-6.97	peak	
2		2390.000	44.81	7.57	52.38	54.00	-1.62	AVG	
3	*	2436.000	106.93	7.71	114.64	54.00	60.64	AVG	No Limit
4	X	2440.950	113.05	7.74	120.79	74.00	46.79	peak	No Limit

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

Test Mode:	TX N-20M Mode 2437 MHz

Vertical
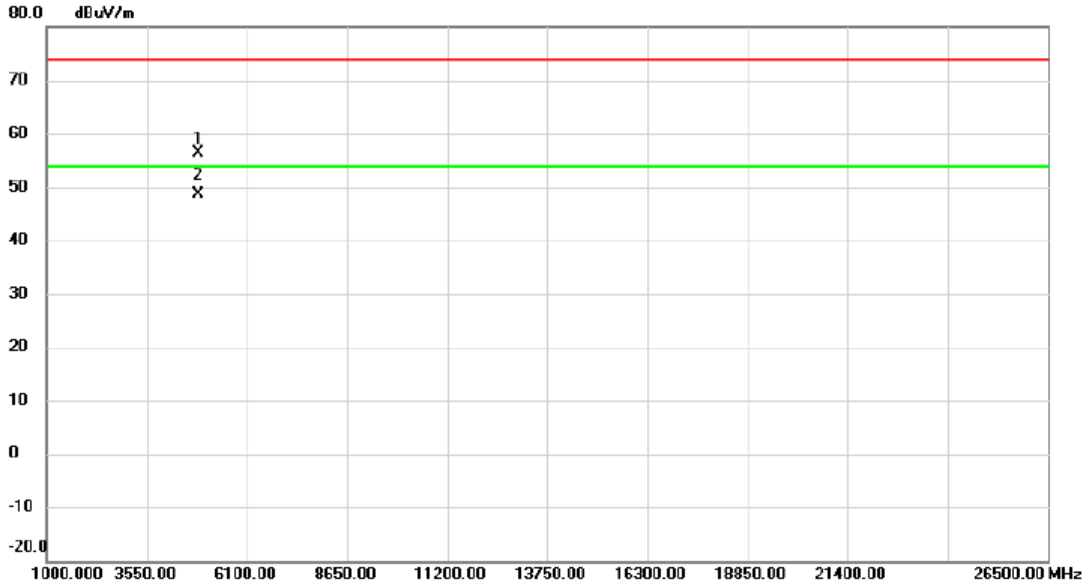
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.040	52.02	4.45	56.47	74.00	-17.53	peak	
2	*	4874.060	44.26	4.45	48.71	54.00	-5.29	AVG	

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

| Test Mode:	TX N-20M Mode 2437 MHz

Horizontal
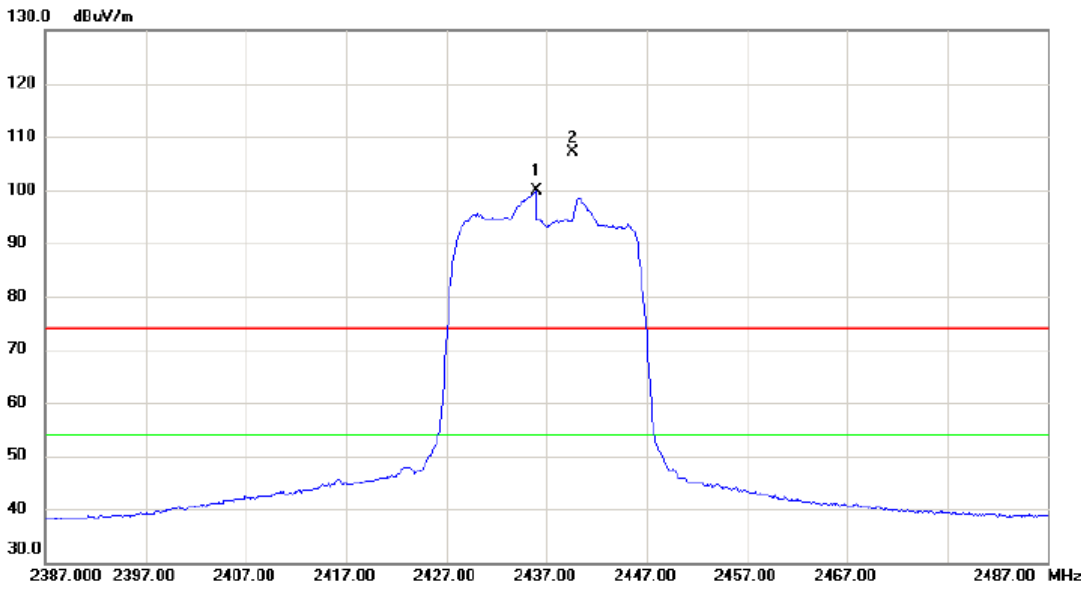
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2435.950	92.06	7.71	99.77	54.00	45.77	AVG	No Limit
2	X	2439.550	99.33	7.74	107.07	74.00	33.07	peak	No Limit

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

| Test Mode:	TX N-20M Mode 2437 MHz

Horizontal
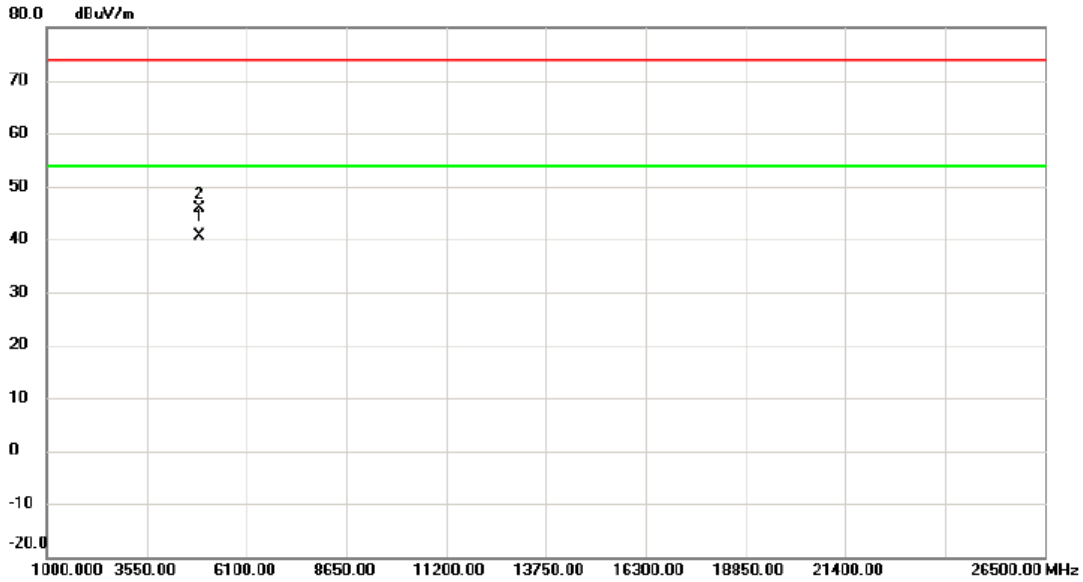
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	4883.850	36.12	4.47	40.59	54.00	-13.41	AVG	
2		4883.890	41.47	4.47	45.94	74.00	-28.06	peak	

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

Test Mode:	TX N-20M Mode 2457 MHz

Vertical
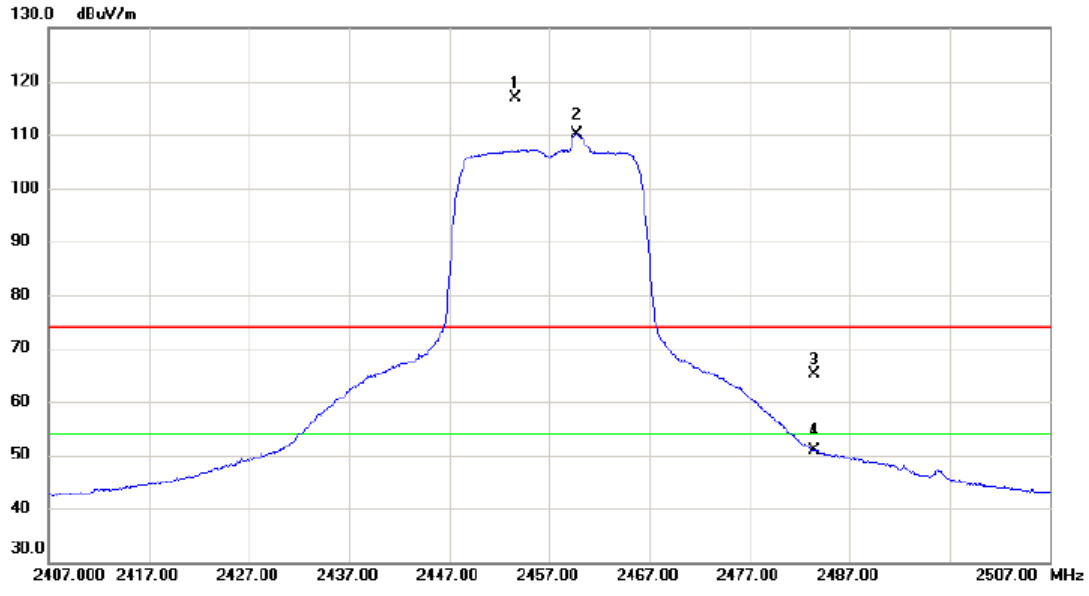
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	X	2453.550	109.06	7.78	116.84	74.00	42.84	peak	No Limit
2	*	2459.750	102.32	7.79	110.11	54.00	56.11	AVG	No Limit
3		2483.500	57.27	7.87	65.14	74.00	-8.86	peak	
4		2483.500	42.90	7.87	50.77	54.00	-3.23	AVG	

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

Test Mode:	TX N-20M Mode 2457 MHz

Vertical
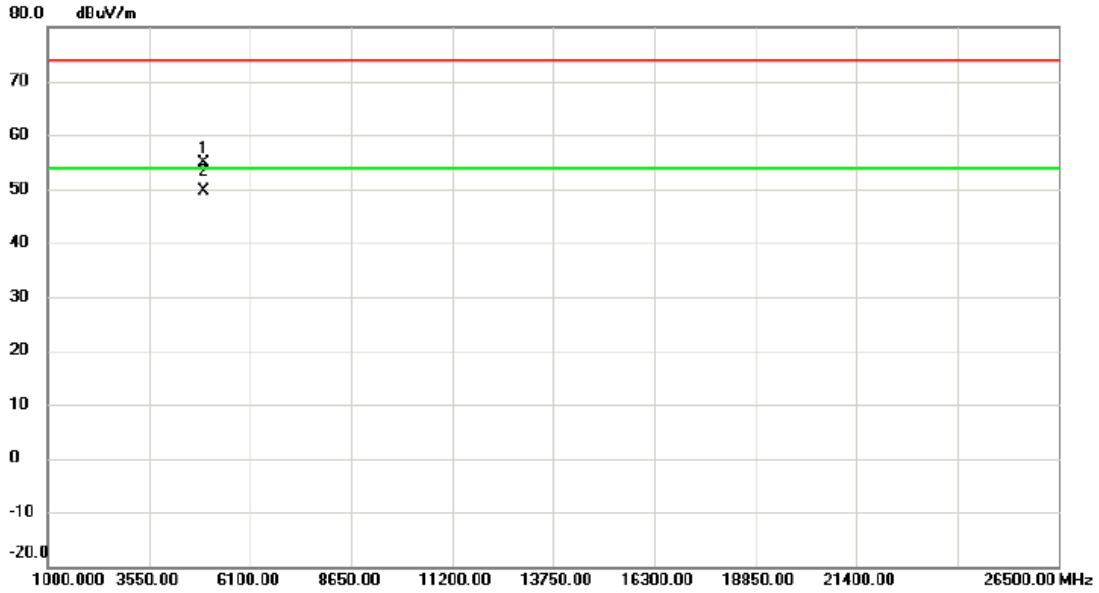
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4913.555	50.27	4.58	54.85	74.00	-19.15	peak	
2	*	4913.850	44.94	4.58	49.52	54.00	-4.48	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
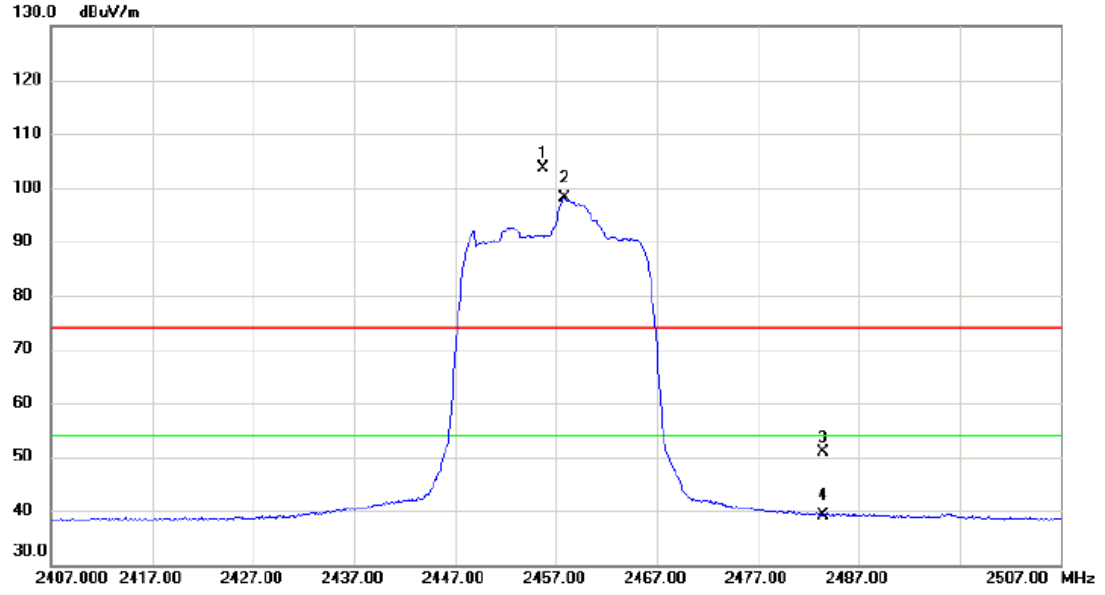
| Test Mode:	TX N-20M Mode 2457 MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2455.750	95.90	7.78	103.68	74.00	29.68	peak	No Limit
2	*	2457.800	90.26	7.79	98.05	54.00	44.05	AVG	No Limit
3		2483.500	43.01	7.87	50.88	74.00	-23.12	peak	
4		2483.500	31.36	7.87	39.23	54.00	-14.77	AVG	

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

| Test Mode:	TX N-20M Mode 2457 MHz

Horizontal
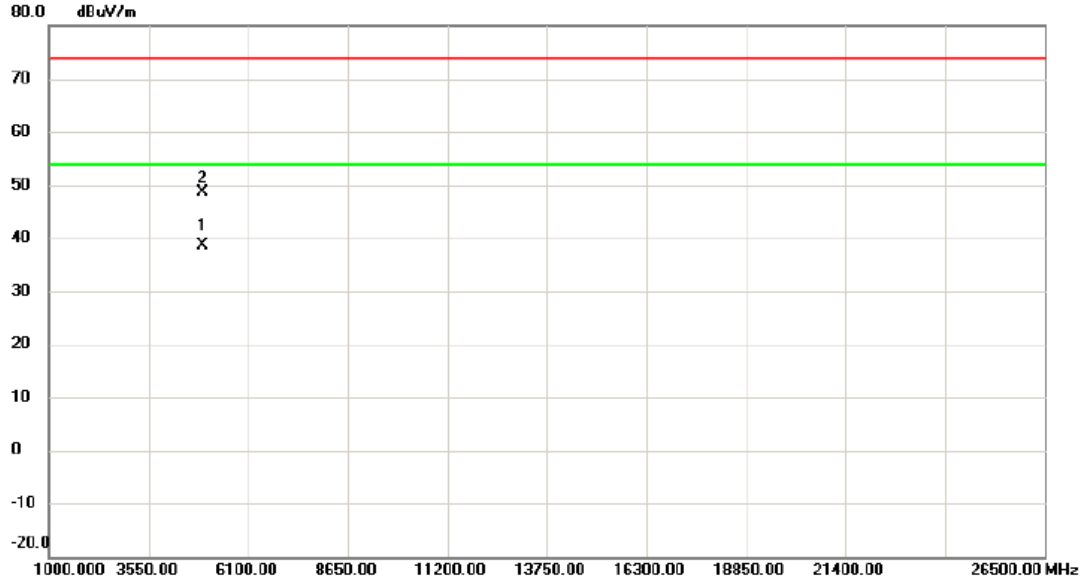
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4914.330	34.13	4.58	38.71	54.00	-15.29	AVG	
2		4914.400	44.06	4.58	48.64	74.00	-25.36	peak	

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

Test Mode:	TX N-20M Mode 2462 MHz

Vertical
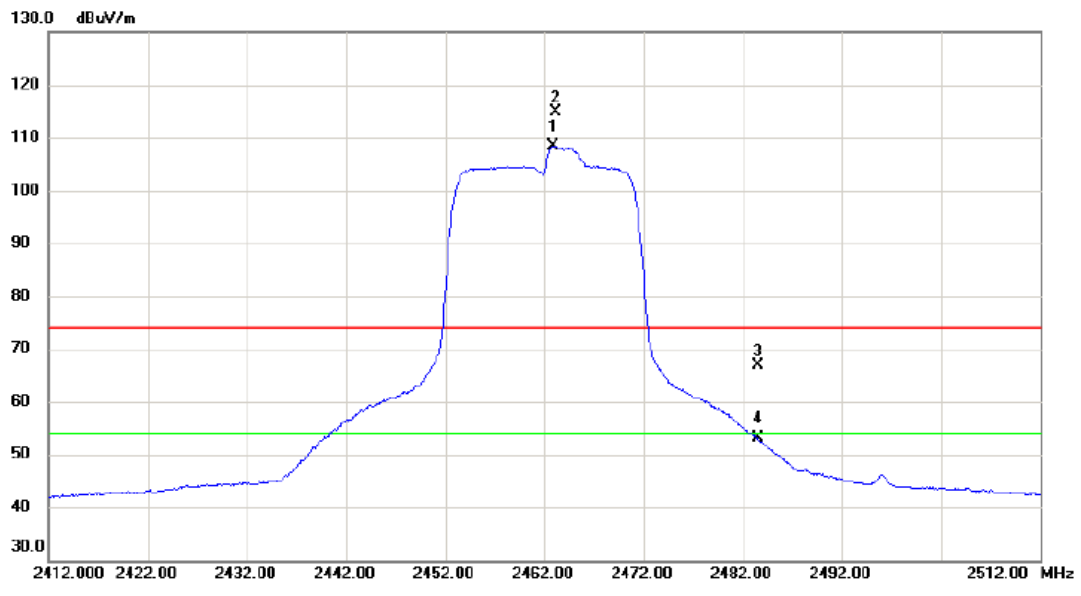
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2462.800	100.61	7.81	108.42	54.00	54.42	AVG	No Limit
2	X	2463.200	107.06	7.81	114.87	74.00	40.87	peak	No Limit
3		2483.500	58.94	7.87	66.81	74.00	-7.19	peak	
4		2483.500	45.32	7.87	53.19	54.00	-0.81	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
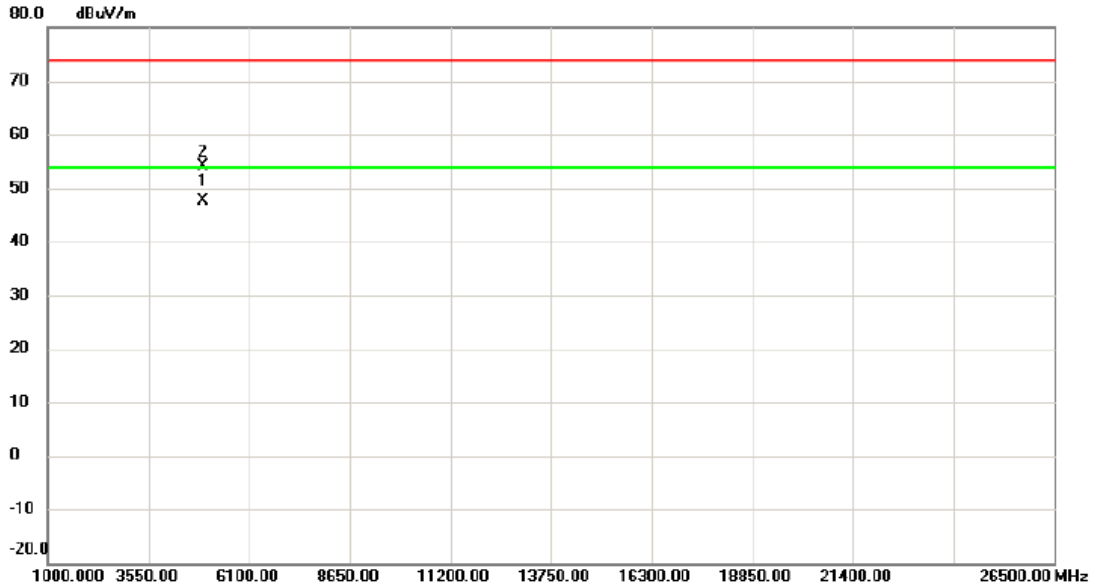
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4923.230	43.12	4.63	47.75	54.00	-6.25	AVG	
2		4924.253	49.60	4.63	54.23	74.00	-19.77	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
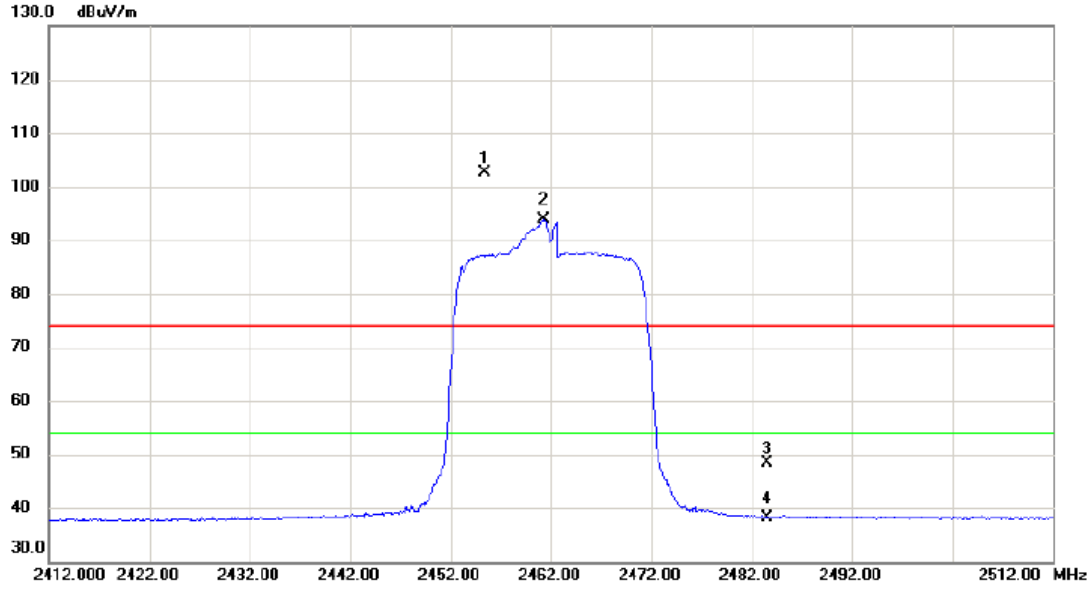
| Test Mode:	TX N-20M Mode 2462 MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2455.350	94.80	7.78	102.58	74.00	28.58	peak	No Limit
2	*	2461.300	85.97	7.79	93.76	54.00	39.76	AVG	No Limit
3		2483.500	40.52	7.87	48.39	74.00	-25.61	peak	
4		2483.500	30.33	7.87	38.20	54.00	-15.80	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
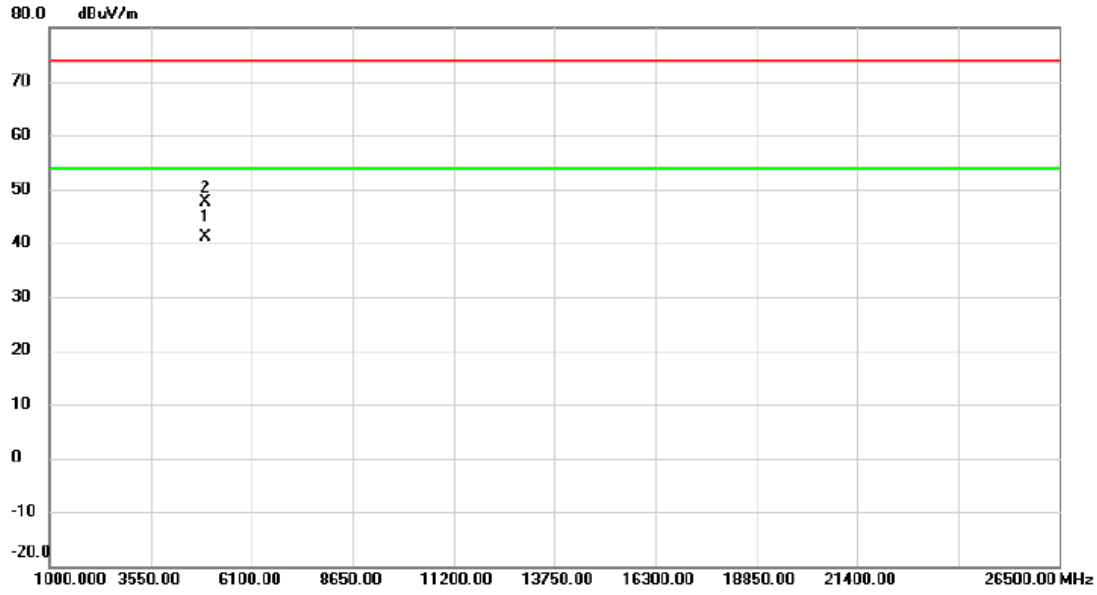
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4923.940	36.50	4.63	41.13	54.00	-12.87	AVG	
2		4924.240	43.03	4.63	47.66	74.00	-26.34	peak	

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

Test Mode:	TX N-40M Mode 2422MHz

Vertical
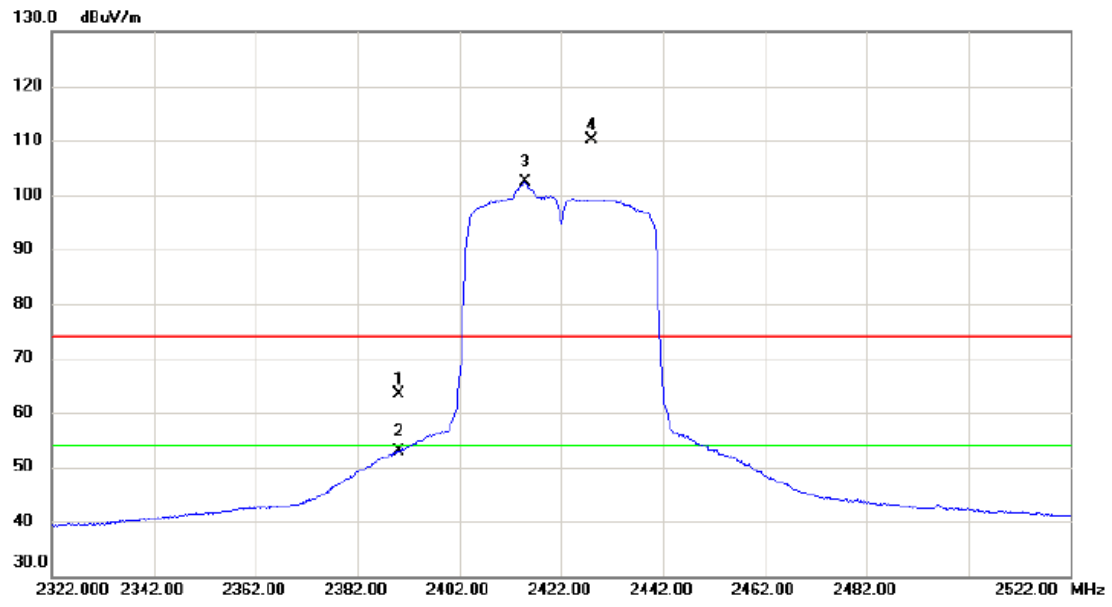
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	55.89	7.57	63.46	74.00	-10.54	peak	
2		2390.000	45.38	7.57	52.95	54.00	-1.05	AVG	
3	*	2414.800	94.72	7.65	102.37	54.00	48.37	AVG	No Limit
4	X	2428.100	102.53	7.69	110.22	74.00	36.22	peak	No Limit

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

Test Mode:	TX N-40M Mode 2422MHz

Vertical
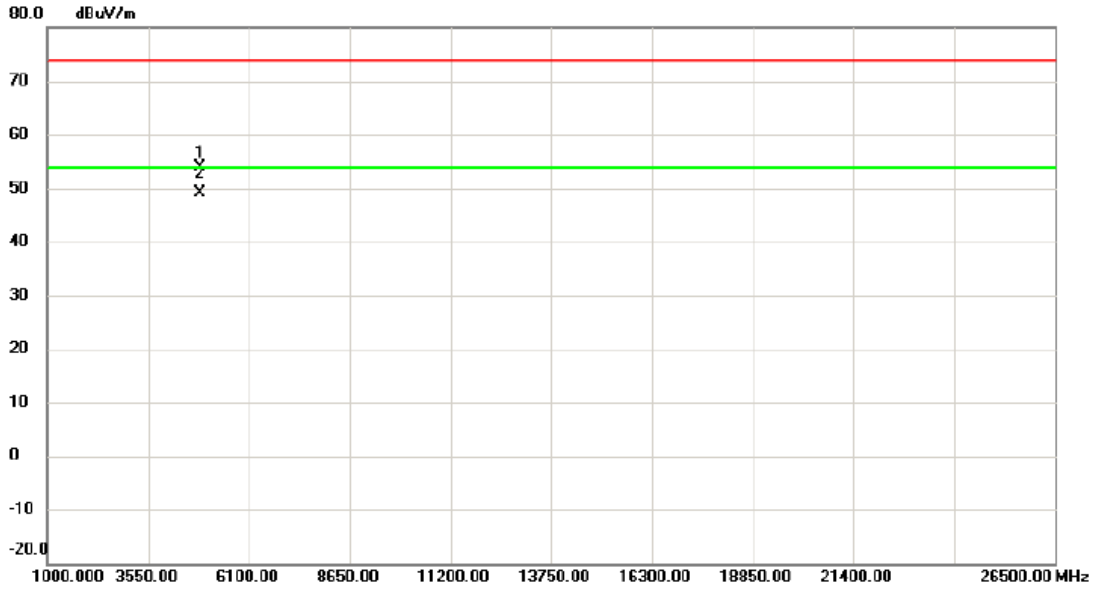
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4843.983	49.44	4.32	53.76	74.00	-20.24	peak	
2	*	4844.081	44.69	4.32	49.01	54.00	-4.99	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
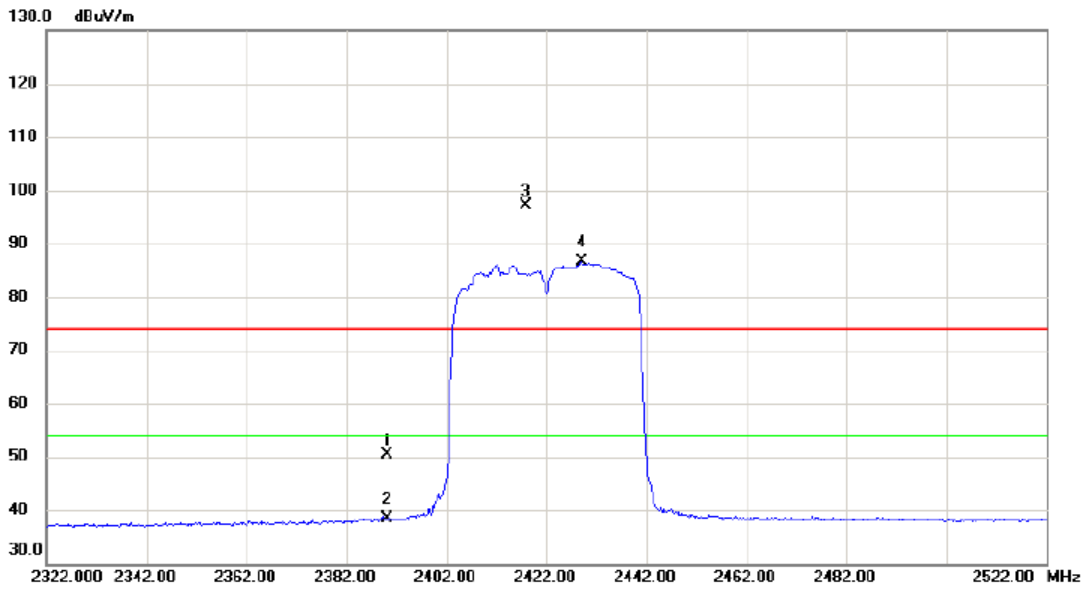
| Test Mode:	TX N-40M Mode 2422MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	42.87	7.57	50.44	74.00	-23.56	peak	
2		2390.000	30.88	7.57	38.45	54.00	-15.55	AVG	
3	X	2417.900	89.57	7.66	97.23	74.00	23.23	peak	No Limit
4	*	2429.000	78.89	7.69	86.58	54.00	32.58	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
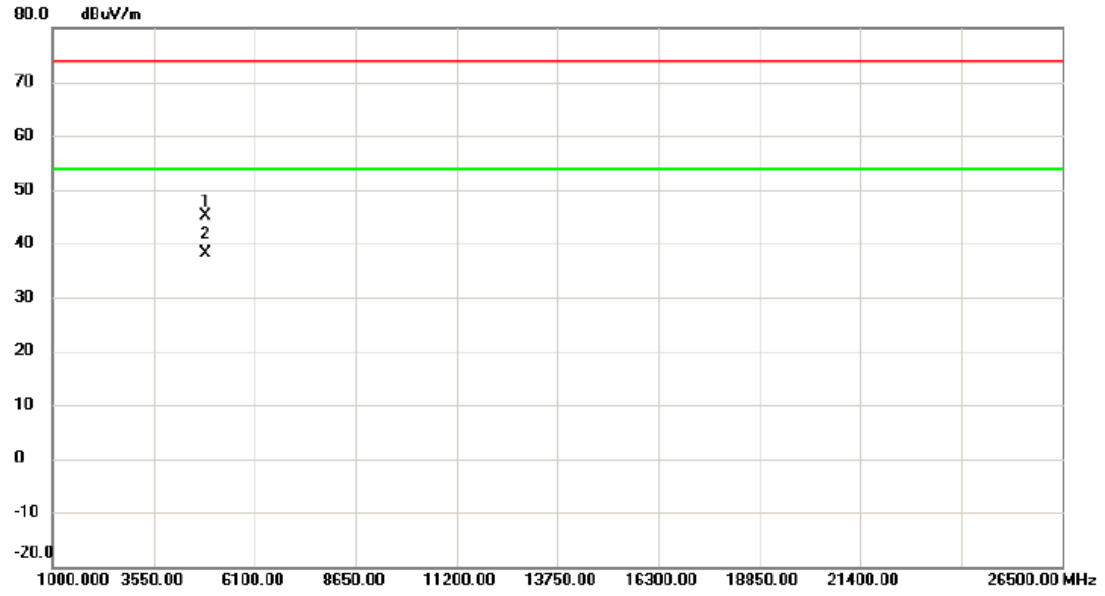
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4843.960	40.77	4.32	45.09	74.00	-28.91	peak	
2	*	4844.100	33.79	4.32	38.11	54.00	-15.89	AVG	

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

Test Mode:	TX N-40M Mode 2427 MHz

Vertical
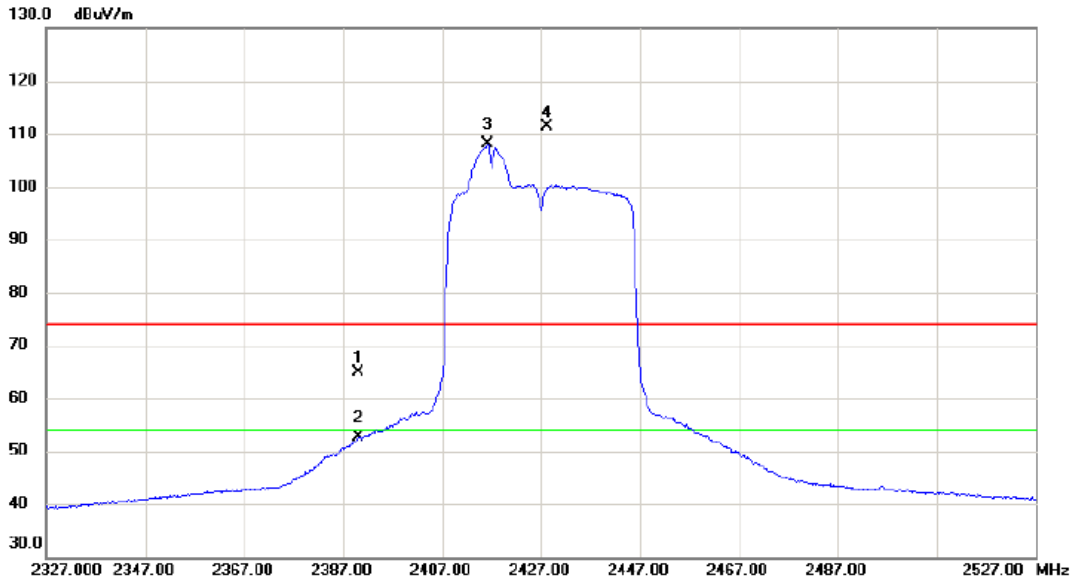
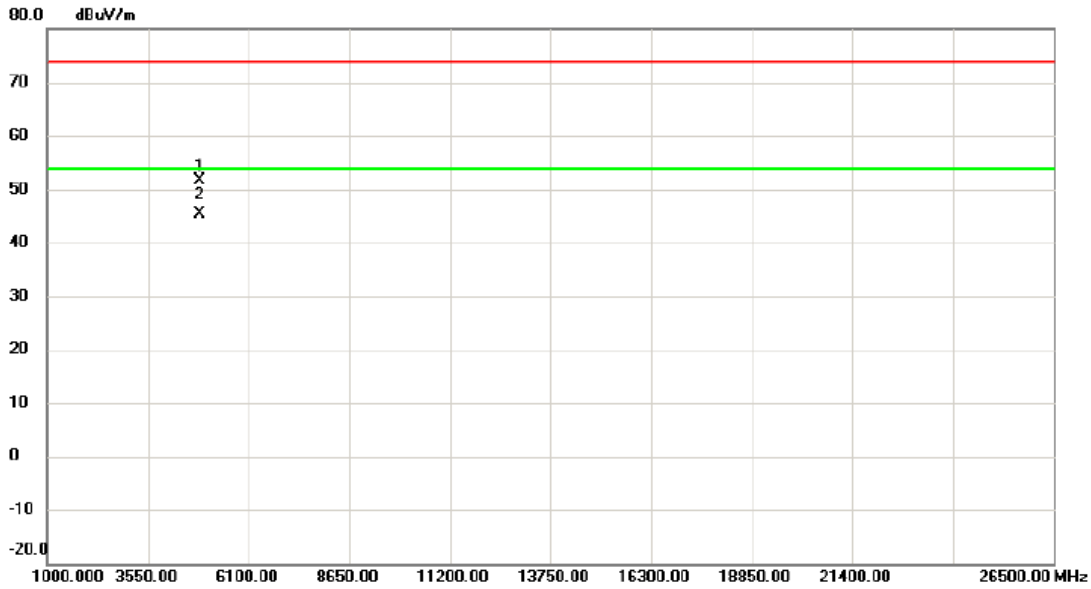| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	57.43	7.57	65.00	74.00	-9.00	peak	
2		2390.000	44.94	7.57	52.51	54.00	-1.49	AVG	
3	*	2416.300	100.42	7.66	108.08	54.00	54.08	AVG	No Limit
4	X	2428.200	103.61	7.69	111.30	74.00	37.30	peak	No Limit

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

Test Mode:	TX N-40M Mode 2427 MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4853.887	47.14	4.37	51.51	74.00	-22.49	peak	
2	*	4854.102	40.92	4.37	45.29	54.00	-8.71	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
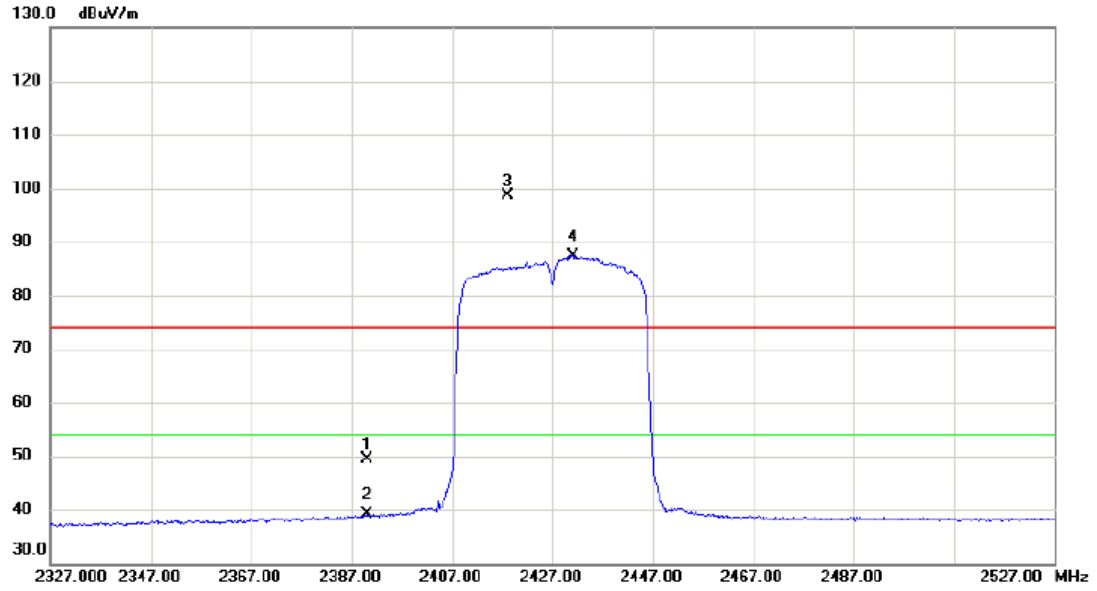
| Test Mode:	TX N-40M Mode 2427 MHz

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	41.90	7.57	49.47	74.00	-24.53	peak	
2		2390.000	31.65	7.57	39.22	54.00	-14.78	AVG	
3	X	2418.100	90.90	7.66	98.56	74.00	24.56	peak	No Limit
4	*	2431.000	79.67	7.70	87.37	54.00	33.37	AVG	No Limit

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

Test Mode:	TX N-40M Mode 2427 MHz

Horizontal
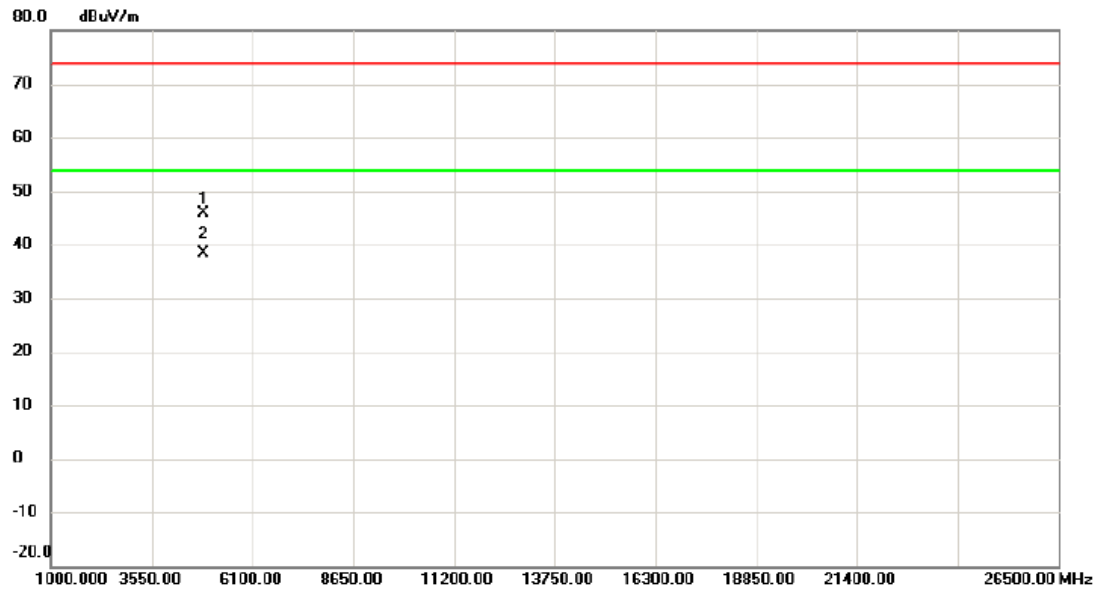
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4853.870	41.57	4.37	45.94	74.00	-28.06	peak	
2	*	4853.880	34.00	4.37	38.37	54.00	-15.63	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
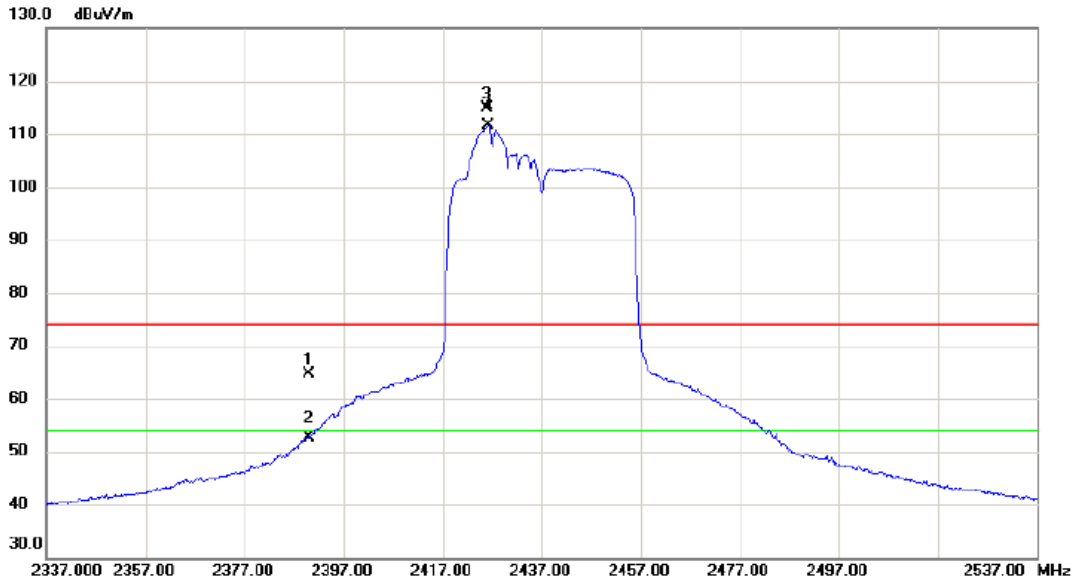
Test Mode:	TX N-40M Mode 2437 MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	57.01	7.57	64.58	74.00	-9.42	peak	
2		2390.000	45.07	7.57	52.64	54.00	-1.36	AVG	
3	X	2425.800	107.17	7.69	114.86	74.00	40.86	peak	No Limit
4	*	2426.200	104.03	7.69	111.72	54.00	57.72	AVG	No Limit

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

Test Mode:	TX N-40M Mode 2437 MHz

Vertical
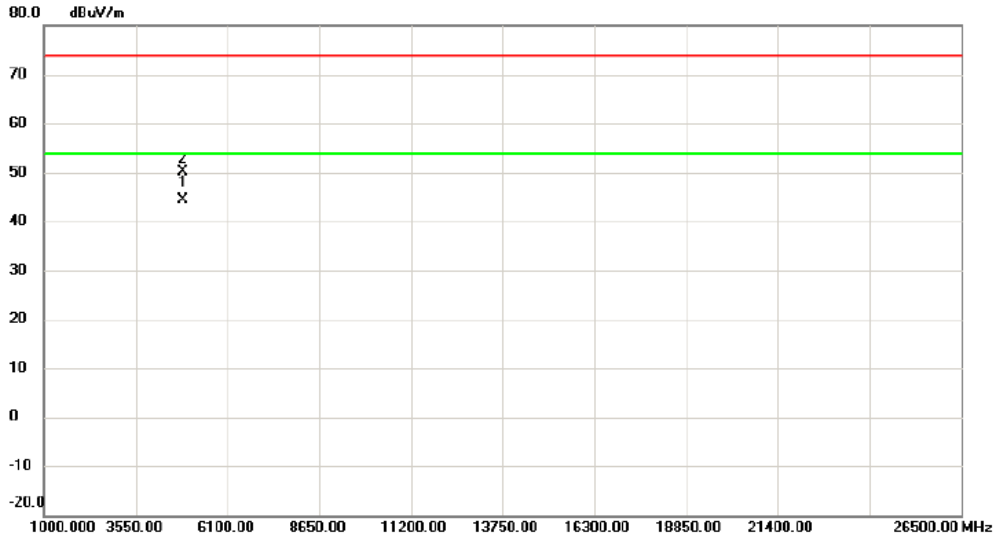
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4874.028	39.83	4.45	44.28	54.00	-9.72	AVG	
2		4874.375	45.75	4.45	50.20	74.00	-23.80	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
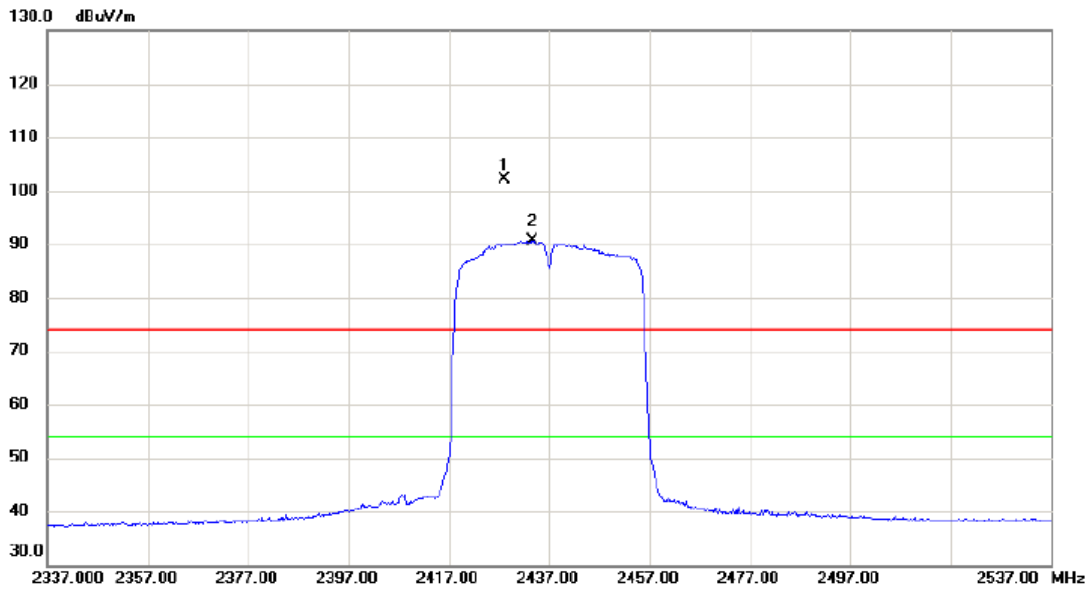
| Test Mode:	TX N-40M Mode 2437 MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2428.200	94.33	7.69	102.02	74.00	28.02	peak	No Limit
2	*	2433.700	82.89	7.70	90.59	54.00	36.59	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
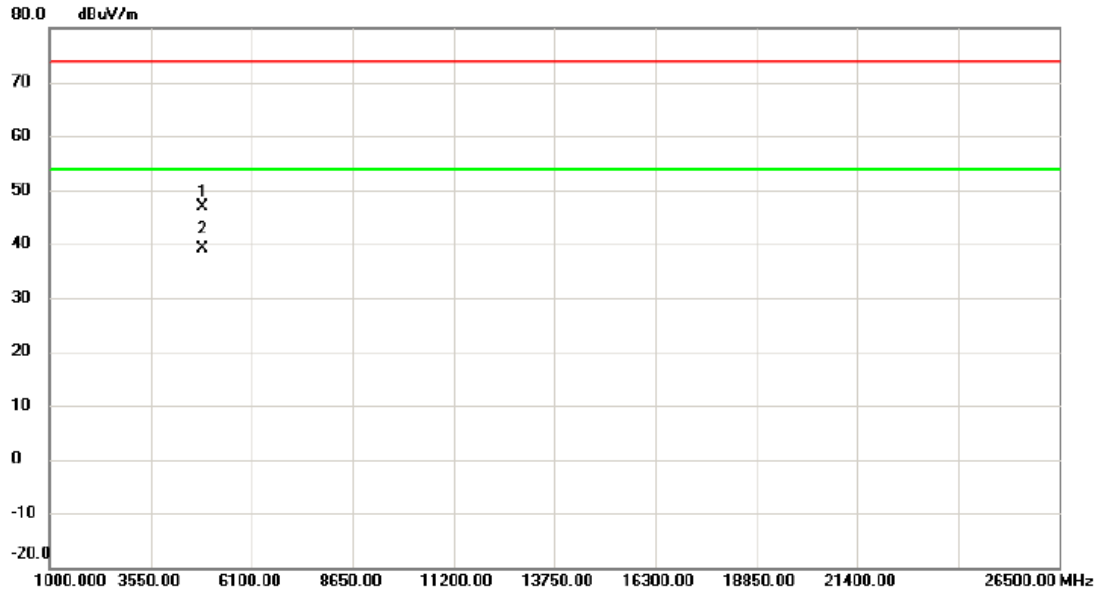
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4874.120	42.37	4.45	46.82	74.00	-27.18	peak	
2	*	4874.200	34.70	4.45	39.15	54.00	-14.85	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
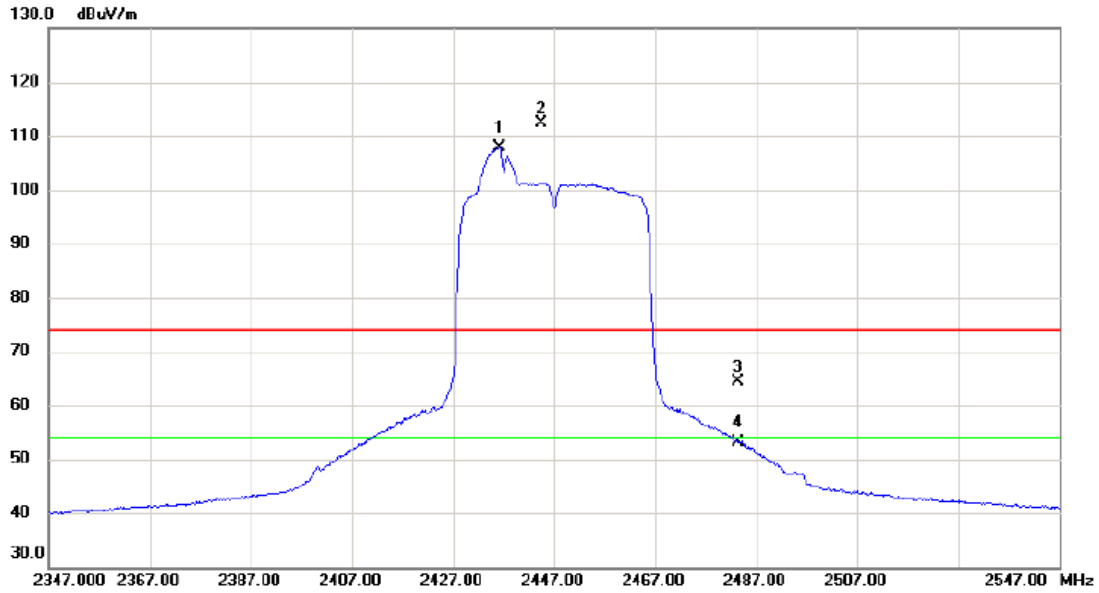
Test Mode:	TX N-40M Mode 2447 MHz

Vertical

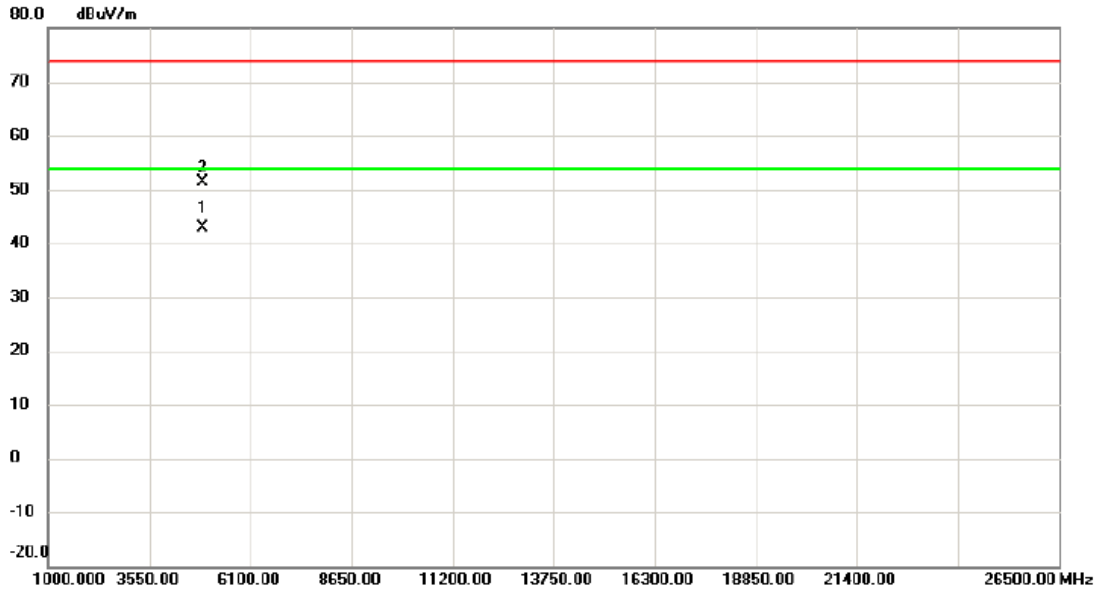| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2436.300	100.20	7.71	107.91	54.00	53.91	AVG	No Limit
2	X	2444.500	104.55	7.75	112.30	74.00	38.30	peak	No Limit
3		2483.500	56.53	7.87	64.40	74.00	-9.60	peak	
4		2483.500	45.33	7.87	53.20	54.00	-0.80	AVG	

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

Test Mode:	TX N-40M Mode 2447 MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4893.983	38.38	4.52	42.90	54.00	-11.10	AVG	
2		4894.168	46.98	4.52	51.50	74.00	-22.50	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
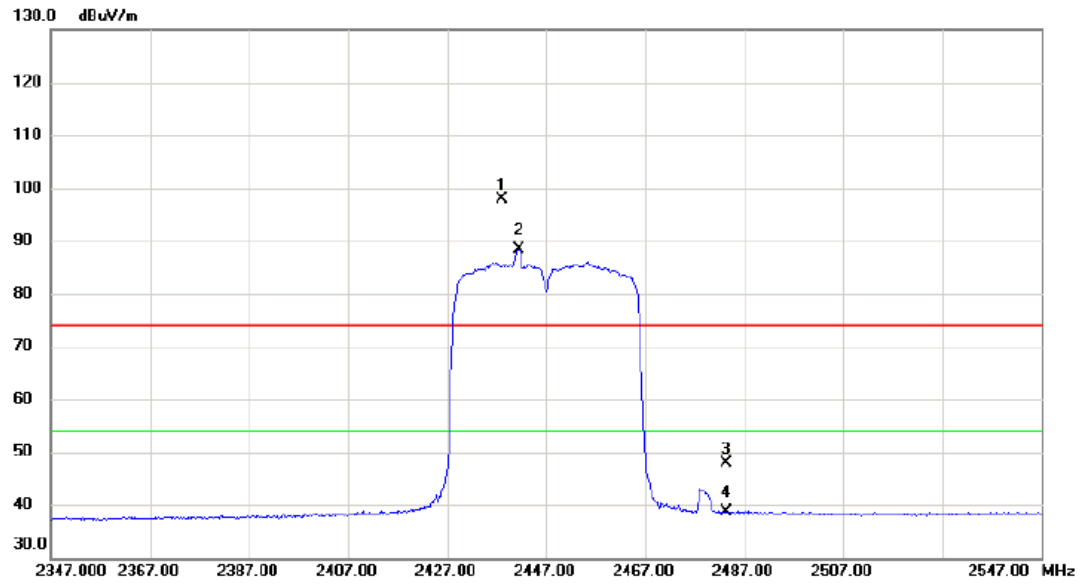
| Test Mode:	TX N-40M Mode 2447 MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	X	2438.200	90.03	7.73	97.76	74.00	23.76	peak	No Limit
2	*	2441.400	80.59	7.74	88.33	54.00	34.33	AVG	No Limit
3		2483.500	40.06	7.87	47.93	74.00	-26.07	peak	
4		2483.500	30.73	7.87	38.60	54.00	-15.40	AVG	

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

Test Mode:	TX N-40M Mode 2447 MHz

Horizontal
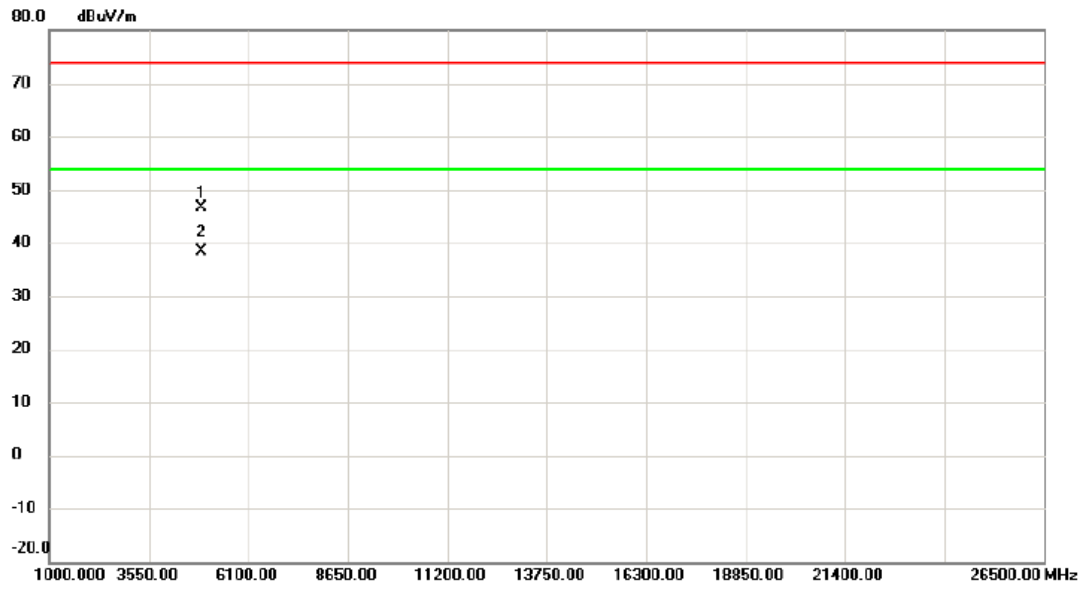
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4893.490	42.19	4.52	46.71	74.00	-27.29	peak	
2	*	4893.570	33.76	4.52	38.28	54.00	-15.72	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
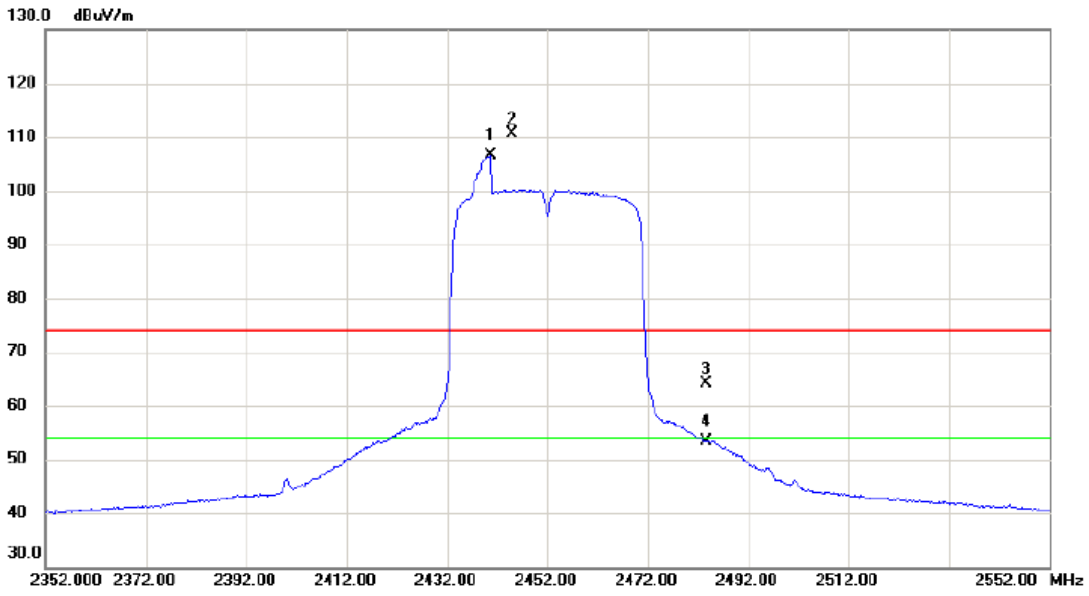
Test Mode:	TX N-40M Mode 2452 MHz

Vertical

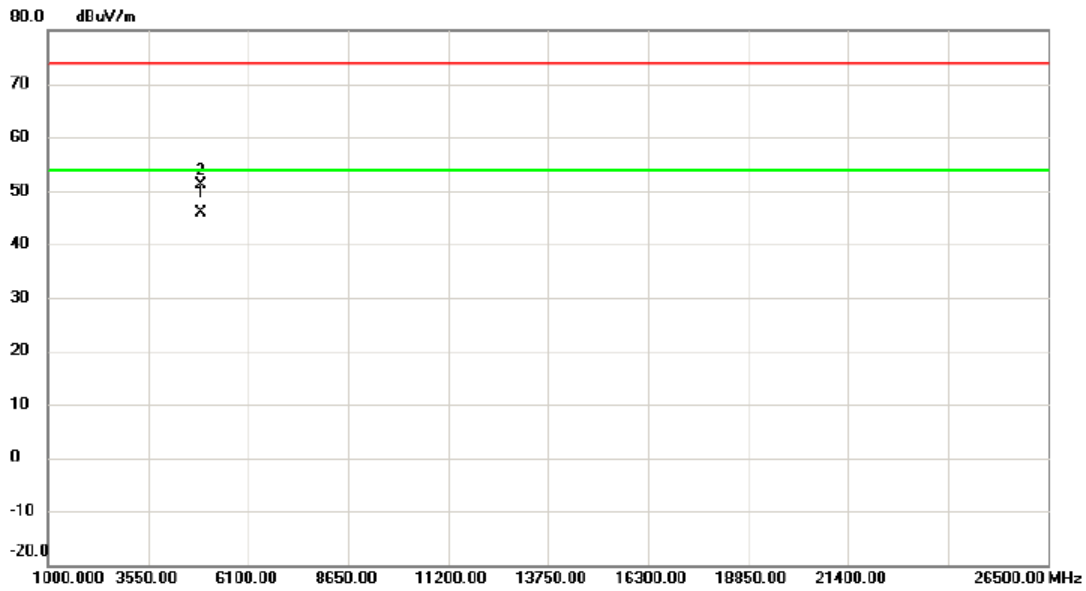| No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2440.700	98.77	7.74	106.51	54.00	52.51	AVG	No Limit
2	X	2444.900	102.90	7.75	110.65	74.00	36.65	peak	No Limit
3		2483.500	56.14	7.87	64.01	74.00	-9.99	peak	
4		2483.500	45.53	7.87	53.40	54.00	-0.60	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	*	4903.798	41.37	4.56	45.93	54.00	-8.07	AVG	
2		4904.388	46.55	4.56	51.11	74.00	-22.89	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
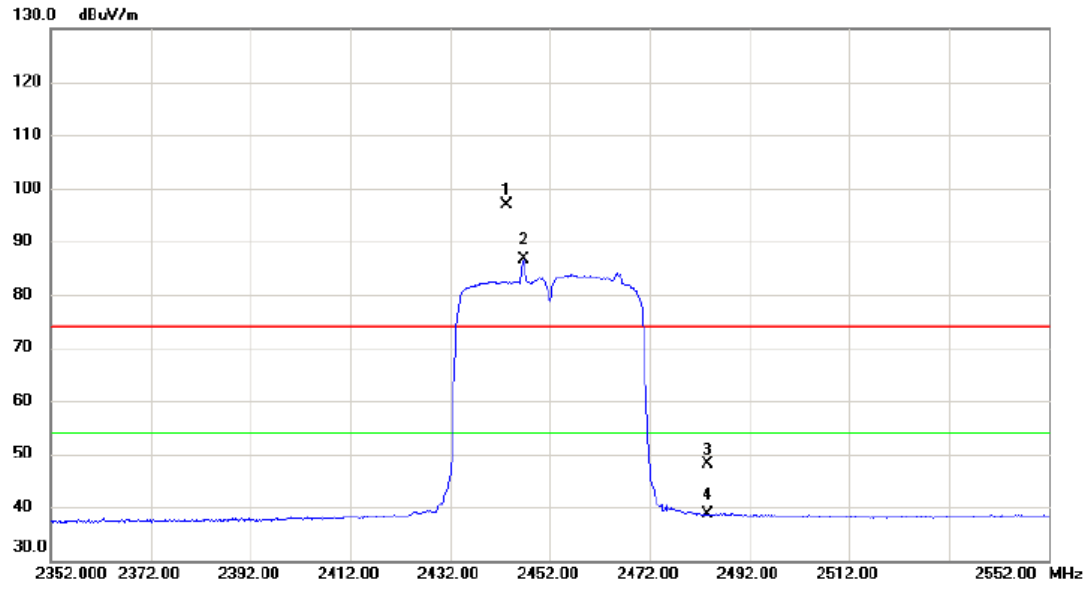
Test Mode:	TX N-40M Mode 2452 MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2443.300	89.08	7.75	96.83	74.00	22.83	peak	No Limit
2	*	2446.800	78.86	7.75	86.61	54.00	32.61	AVG	No Limit
3		2483.500	40.37	7.87	48.24	74.00	-25.76	peak	
4		2483.500	30.72	7.87	38.59	54.00	-15.41	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
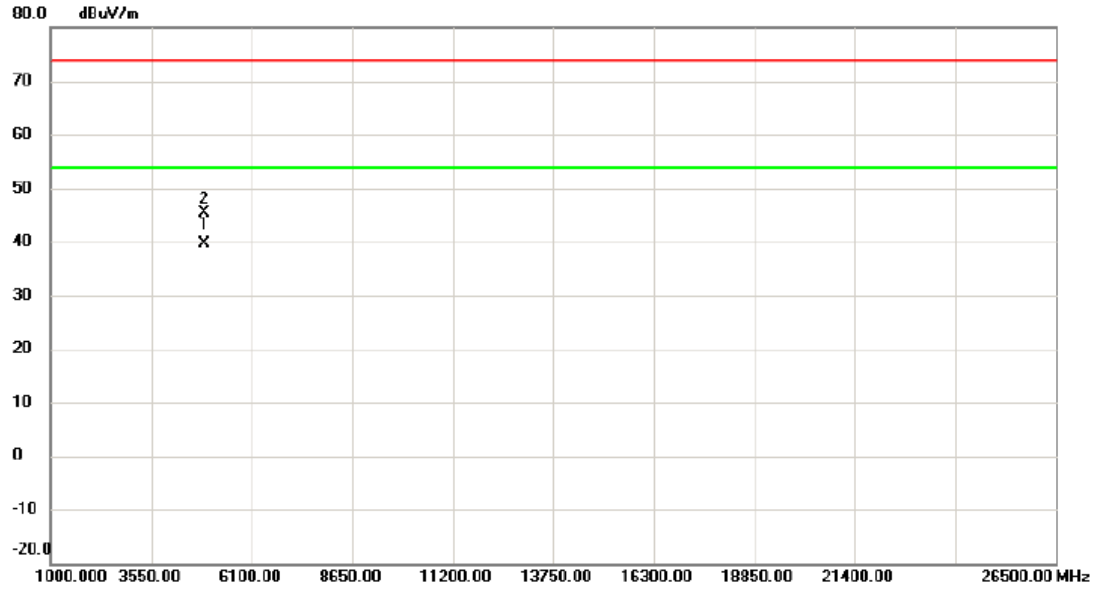
Test Mode:	TX N-40M Mode 2452 MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4903.980	35.18	4.56	39.74	54.00	-14.26	AVG	
2		4904.170	40.90	4.56	45.46	74.00	-28.54	peak	

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

APPENDIX E - BANDWIDTH