FCC Radio Test Report

FCC ID: 2AV2N-SR1041Y

This report concerns: Original Grant

Project No.	:	2009C029A
Equipment	:	Wireless Router
Brand Name	:	FiberHome
Test Model	:	SR1041Y
Series Model	:	N/A
Applicant	:	Fiberhome Telecommunication Technologies Co., Ltd.
Address	:	No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China
Manufacturer	:	Fiberhome Telecommunication Technologies Co., Ltd.
Address	:	No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China
Factory	:	Fiberhome Telecommunication Technologies Co., Ltd.
Address	:	No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China
Date of Receipt	:	Sep. 18, 2020
Date of Test	:	Sep. 21, 2020 ~ Nov. 07, 2020
Issued Date	:	Dec. 02, 2020
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG2020091428 for conducted, DG2020091429 for radiated.
Standard(s)	:	FCC Part15, Subpart C (15.247) ANSI C63.10-2013 FCC KDB 558074 D01 15.247 Meas Guidance v05r02

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

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

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

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.
Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Dec. 02, 2020

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

Note:

(1) “N/A” denotes test is not applicable in this test report.

(2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
BTL's Test Firm Registration Number for FCC: 357015
BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

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

A. AC power line conducted emissions test:

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

B. Radiated emissions test:

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

C. Other Measurement:

Test Item	Uncertainty
Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Conducted Spurious Emission	±2.71 dB
Power Spectral Density	±0.86 dB
Temperature	±0.08 °C
Time	±0.58 %
Supply voltages	±0.3 %

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	25°C	53%	AC 120V/60Hz AC 240V/50Hz	Kwok Guo
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-30 MHz to 1GHz	26°C	52%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-Above 1000 MHz	25°C	60%	AC 120V/60Hz	Kwok Guo
Bandwidth	23°C	52%	DC 12V	Jesse Wang
Maximum output power	23°C	52%	DC 12V	Jesse Wang
Conducted Spurious Emissions	23°C	52%	DC 12V	Jesse Wang
Power Spectral Density	23°C	52%	DC 12V	Jesse Wang

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless Router
Brand Name	FiberHome
Test Model	SR1041Y
Series Model	N/A
Model Difference(s)	N/A
FVIN	RP0100
HVIN	SR1041Y_R1A
Power Source	DC voltage supplied from AC adapter. 1# Brand / Model: KLEC / KL-WA120150-D 2# Brand / Model: RuiDe / RD1201500-C55-153MG
Power Rating	1# I/P: 100-240V ~50/60Hz 0.7A O/P: 12.0V ⎓ 1.5A 2# I/P: 100-240V ~50/60Hz 0.6A O/P: 12.0V ⎓ 1.5A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 802.11ax: OFDMA
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ax: up to 573.6 Mbps
Maximum Output Power	IEEE 802.11b: 5.02 dBm (0.0032 W) IEEE 802.11g: 15.73 dBm (0.0374 W) IEEE 802.11n (HT20): 21.92 dBm (0.1556 W) IEEE 802.11n (HT40): 20.18 dBm (0.1042 W) IEEE 802.11ax (HE20): 19.67 dBm (0.0927 W) IEEE 802.11ax (HE40): 19.90 dBm (0.0977 W)

Note:

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

2. Channel List:

CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (HT20), IEEE 802.11ax (HE20) CH03 - CH09 for IEEE 802.11n (HT40), IEEE 802.11ax (HE40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. RU Configuration:

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

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

4. Antenna Specification:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	XD	XD2C-A165W5D-01C	Dipole	N/A	5.34
2	XD	XD2C-A226W5D-01C	Dipole	N/A	4.97

Note:
This EUT supports CDD, and all antenna gains are not equal, so Directional gain=10log[($10^{G1/20}$+$10^{G2/20}$+...$10^{GN/20}$)^2/N]dBi, that is Directional gain=10log[($10^{5.34/20}$+$10^{4.97/20}$)^2/2]dBi =8.17. So, the output power limit is 30-(8.17-6)=27.83, the power spectral density limit is 8-(8.17-6)=5.83.

5. Table for Antenna Configuration:

Operating Mode / TX Mode	1TX	2TX
IEEE 802.11b	V (Ant. 1)	-
IEEE 802.11g	V (Ant. 1)	-
IEEE 802.11n (HT20)	-	V (Ant. 1+ Ant. 2)
IEEE 802.11n (HT40)	-	V (Ant. 1+ Ant. 2)
IEEE 802.11ax (HE20)	-	V (Ant. 1+ Ant. 2)
IEEE 802.11ax (HE40)	-	V (Ant. 1+ Ant. 2)

2.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09
Mode 5	TX AX-20 MHz Mode Channel 01/06/11
Mode 6	TX AX-40 MHz Mode Channel 03/06/09
Mode 7	TX N-20 MHz Mode Channel 06

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

AC power line conducted emissions test	
Final Test Mode	Description
Mode 7	TX N-20 MHz Mode Channel 06

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

Radiated emissions test- Above 1GHz	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09
Mode 5	TX AX-20 MHz Mode Channel 01/06/11
Mode 6	TX AX-40 MHz Mode Channel 03/06/09

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

NOTE:
(1) The measurements are performed at the high, middle, low available channels.
(2) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
(3) For radiated emission below 1 GHz test, the IEEE 802.11n20 Channel 06 is found to be the worst case and recorded.
(4) For radiated emission above 1 GHz test, 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
(5) For radiated spurious emissions below 1 GHz test, all adapters had been pre-tested and in this report only recorded the worst case.
(6) For radiated emissions, the TX WLAN 2.4G N20 Mode 2412MHz + WLAN 5G AX20 Mode 5300MHz was found the worst case of simultaneous transmission and recorded.

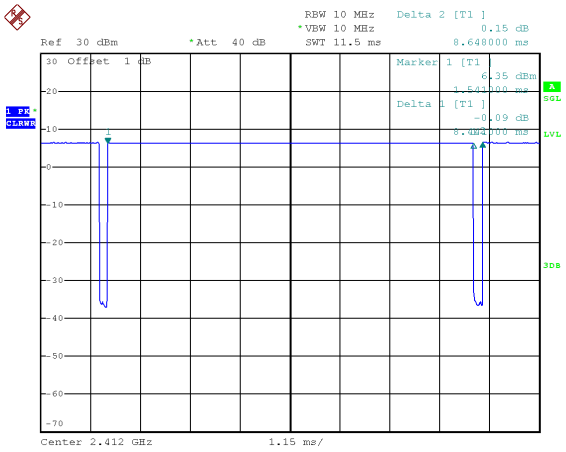
2.3 PARAMETERS OF TEST SOFTWARE

Test Software	QATOOL		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	4	3	3.5
IEEE 802.11g	15	14	15
IEEE 802.11n (HT20)	16	17.5	14.5
IEEE 802.11ax (HE20)	15.5	15.5	14.5
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	14.5	16	14
IEEE 802.11ax (HE40)	14	16	14

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.

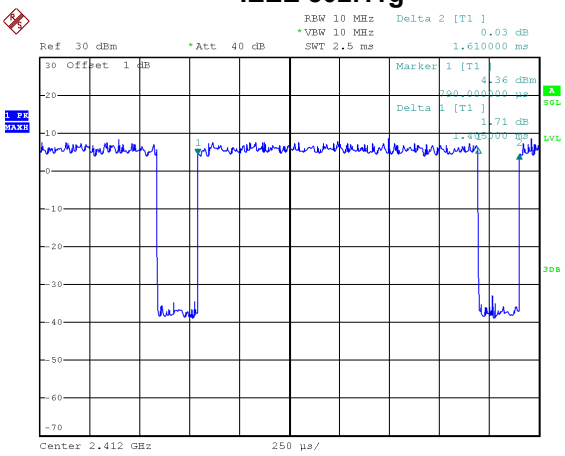
IEEE 802.11b



Date: 27.SEP.2020 16:08:57

Duty cycle = 8.441 ms / 8.648 ms = 97.61%
Duty Factor = 10 log(1/Duty cycle) = 0.11

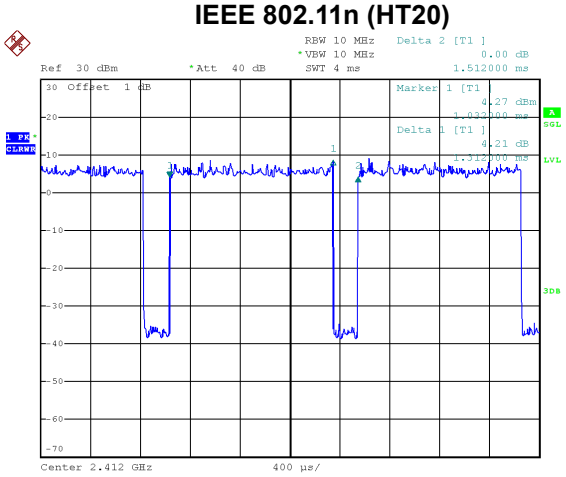
IEEE 802.11g



Date: 27.SEP.2020 16:09:43

Duty cycle = 1.405 ms / 1.610 ms = 87.27%
Duty Factor = 10 log(1/Duty cycle) = 0.59

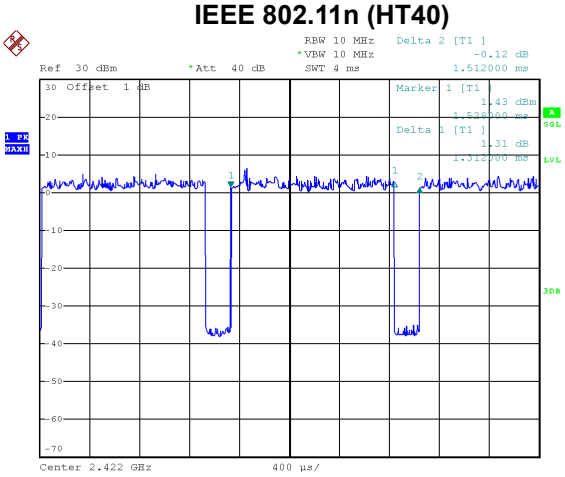
IEEE 802.11n (HT20)



Date: 27.SEP.2020 16:10:13

Duty cycle = 1.312 ms / 1.512 ms = 86.77%
Duty Factor = 10 log(1/Duty cycle) = 0.62

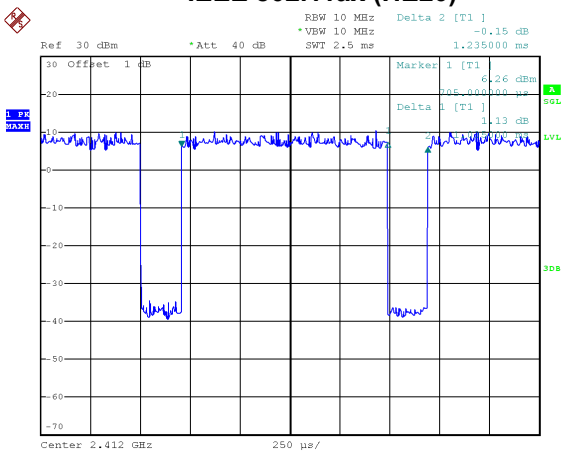
IEEE 802.11n (HT40)



Date: 27.SEP.2020 16:20:48

Duty cycle = 1.312 ms / 1.512 ms = 86.77%
Duty Factor = 10 log(1/Duty cycle) = 0.62

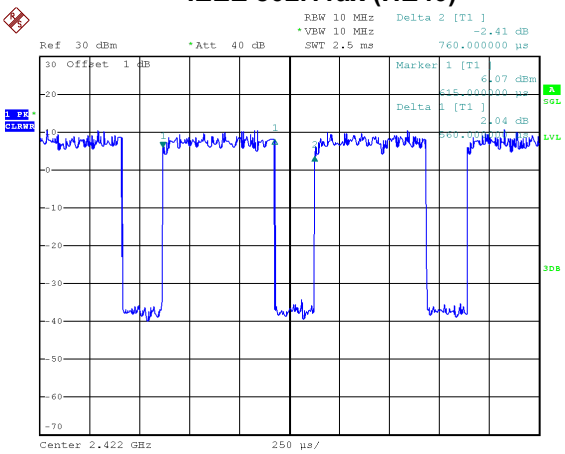
IEEE 802.11ax (HE20)



Date: 27.SEP.2020 16:19:37

Duty cycle = 1.035 ms / 1.235 ms = 83.81%
Duty Factor = 10 log(1/Duty cycle) = 0.77

IEEE 802.11ax (HE40)



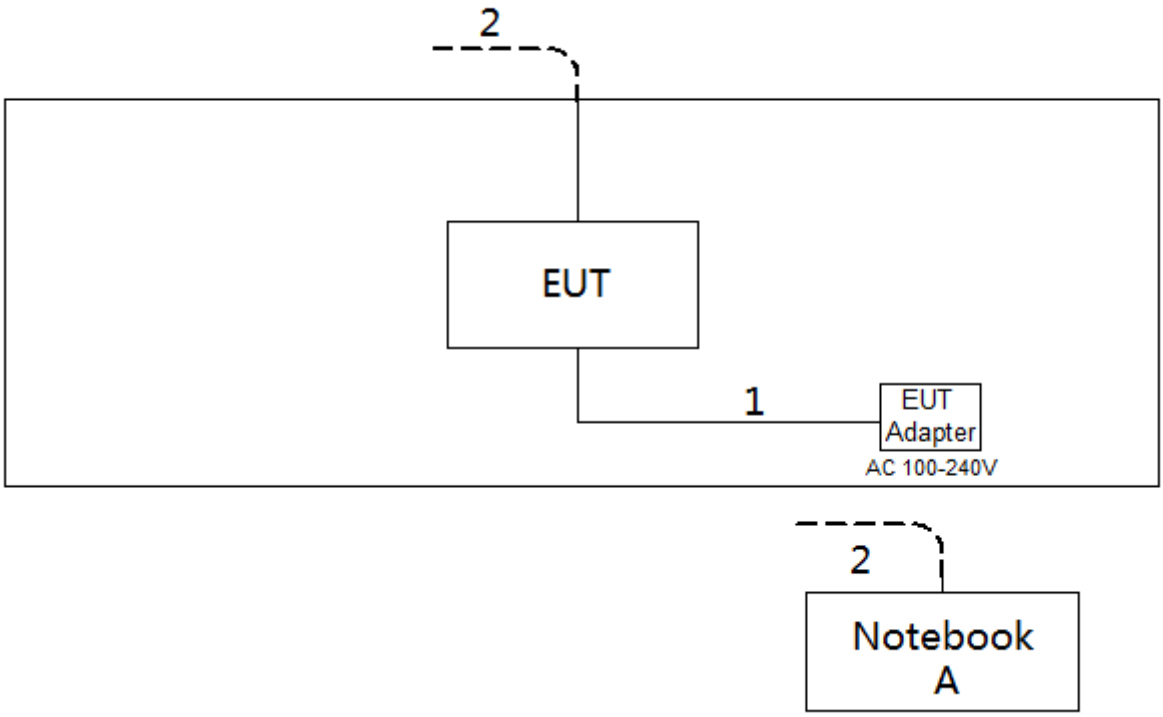
Date: 27.SEP.2020 16:19:54

Duty cycle = 0.560 ms / 0.760 ms = 73.68%
Duty Factor = 10 log(1/Duty cycle) = 1.33

NOTE:
For IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (HT20) and IEEE 802.11ax (HE20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

For IEEE 802.11n (HT40) and IEEE 802.11ax (HE40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

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

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

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

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

NOTE:

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

The following table is the setting of the receiver

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

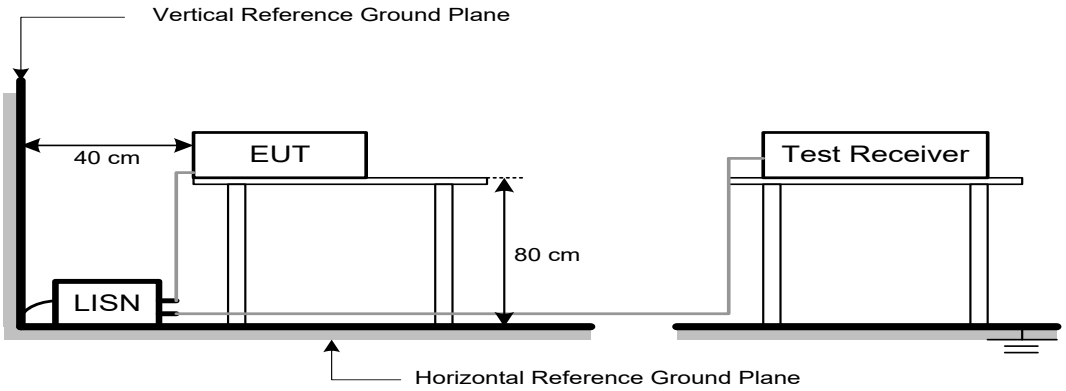
3.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

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

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

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

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

4.2 TEST PROCEDURE

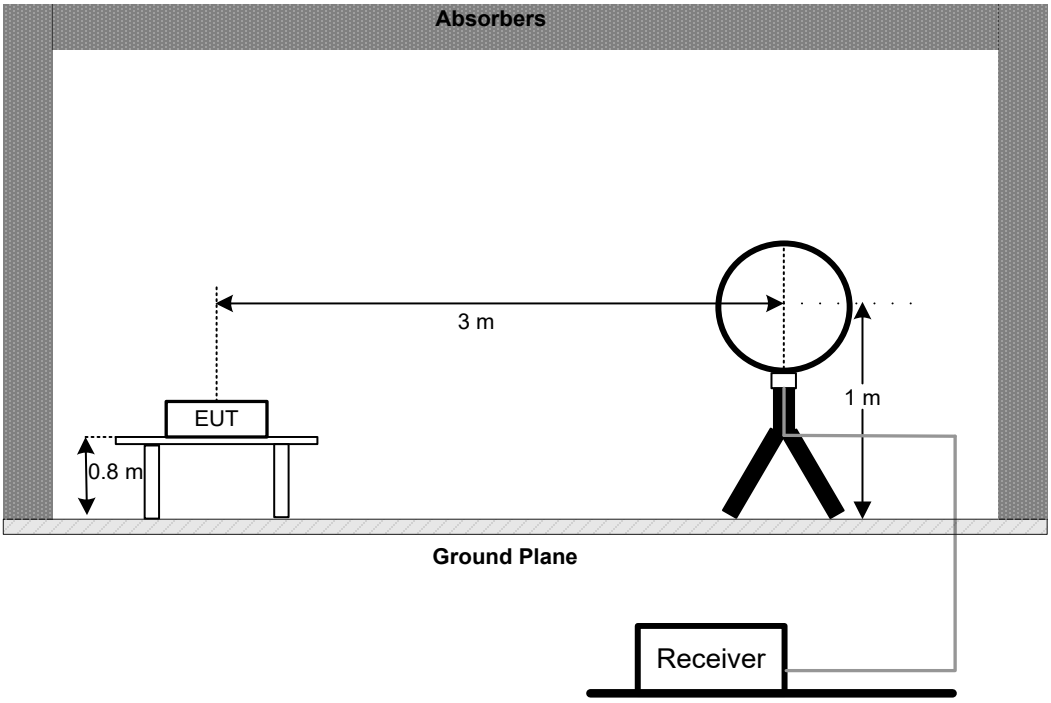
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1 GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1 GHz)
i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

4.3 DEVIATION FROM TEST STANDARD

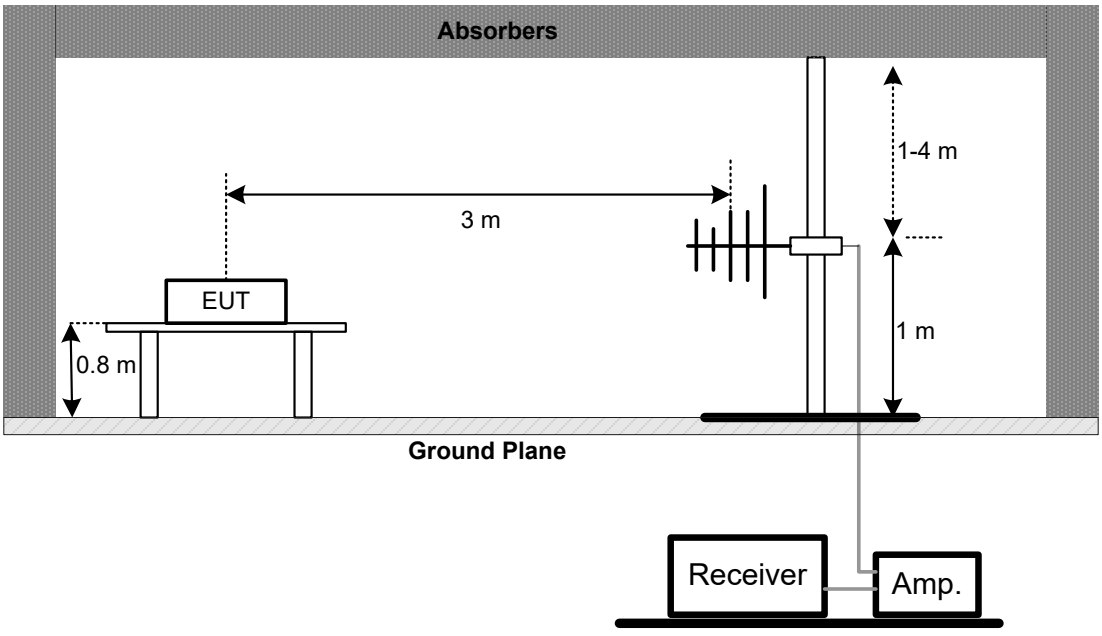
No deviation

4.4 TEST SETUP

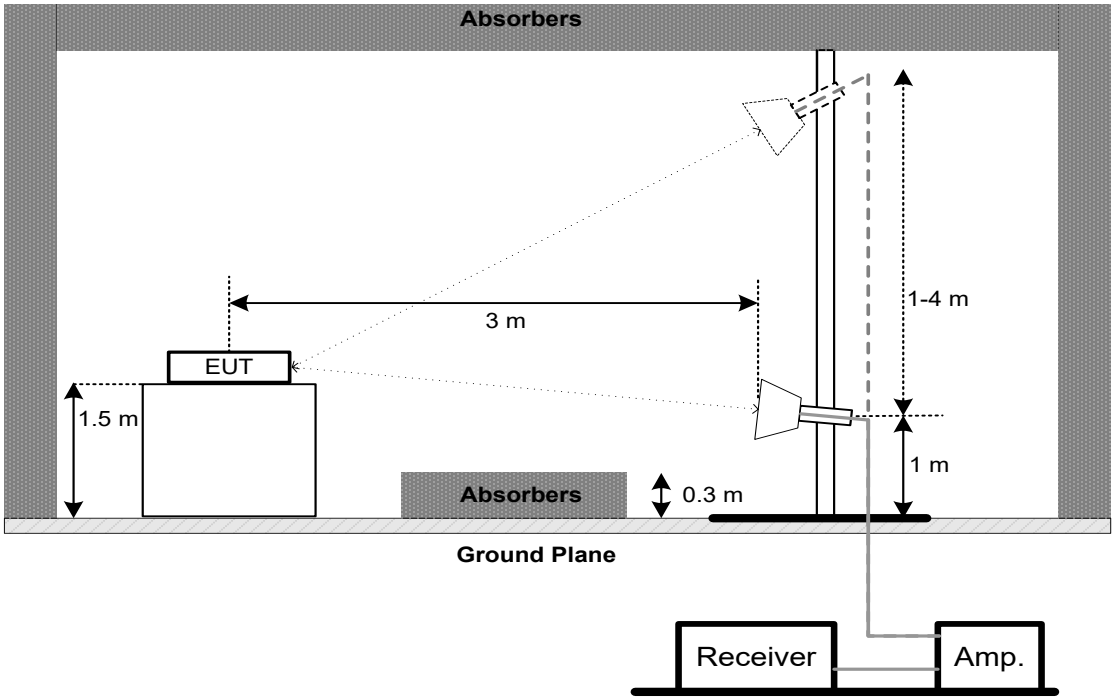
9 kHz-30 MHz



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B

Remark:

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

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

5. BANDWIDTH TEST

5.1 LIMIT

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

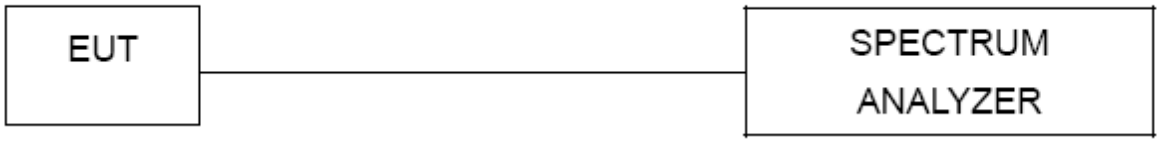
5.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting:
For 6 dB Bandwidth: RBW= 100 kHz, VBW=300 kHz, Sweep time = auto.
For 99% Emission Bandwidth B/G/N20/AX20 Mode: RBW= 300 kHz, VBW=1 MHz, Sweep time = 2.5 ms.
For 99% Emission Bandwidth N40/AX40 Mode: RBW= 1 MHz, VBW=3 MHz, Sweep time = 2.5 ms.
c. The bandwidth was performed in accordance with method 11.8.1 of ANSI C63.10-2013.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

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

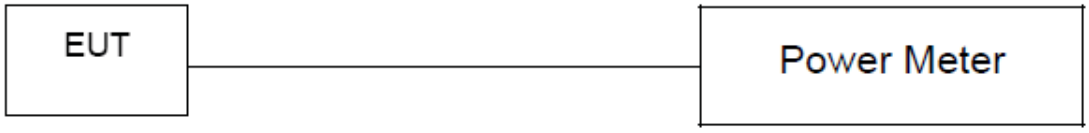
6.2 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
b. The maximum conducted output power was performed in accordance with method 11.9.2.3.1 of ANSI C63.10-2013.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. CONDUCTED SPURIOUS EMISSIONS

7.1 LIMIT

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

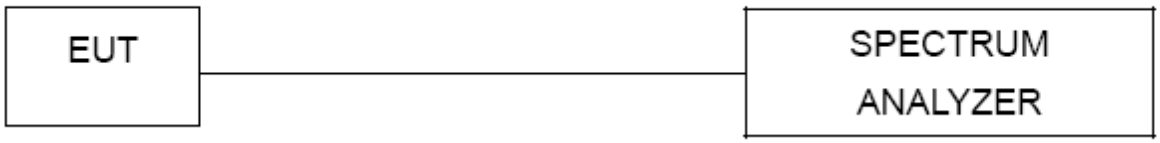
7.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting: RBW= 100 kHz, VBW=300 kHz, Sweep time = Auto.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. POWER SPECTRAL DENSITY TEST

8.1 LIMIT

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

8.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting: RBW=3 kHz, VBW=10 kHz, Sweep time = Auto.
c. The Power Spectral Density was performed in accordance with method 11.10.2 of ANSI C63.10-2013.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP

8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

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

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

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

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

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

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

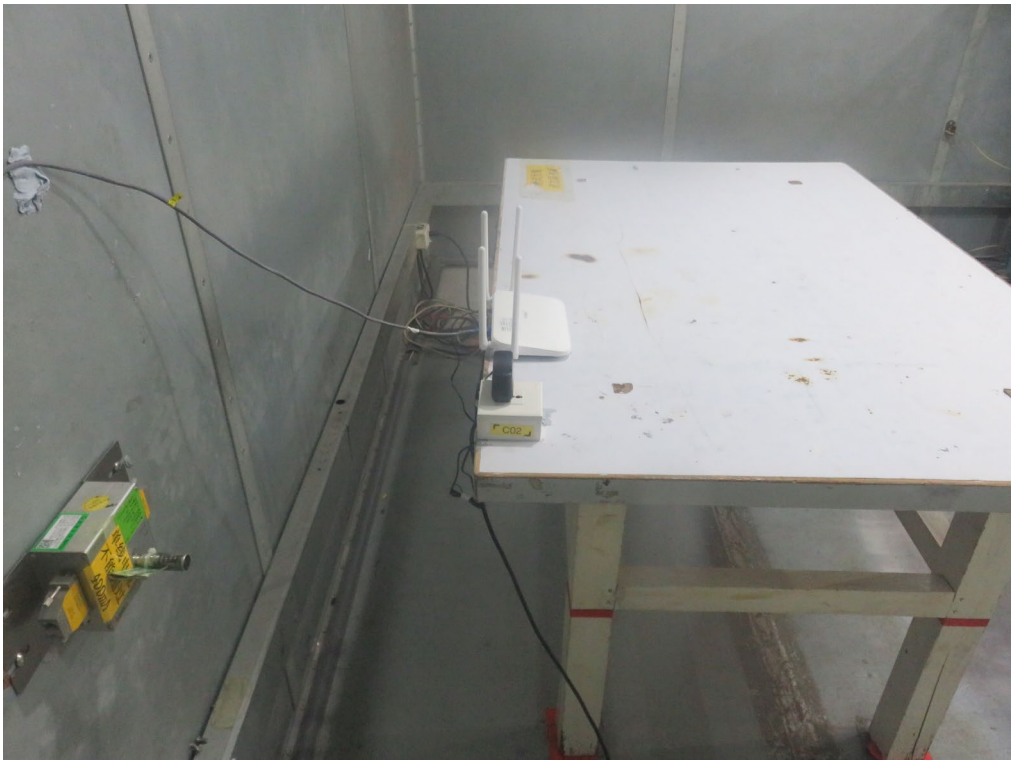
Remark: ”N/A” denotes no model name, serial no. or calibration specified.

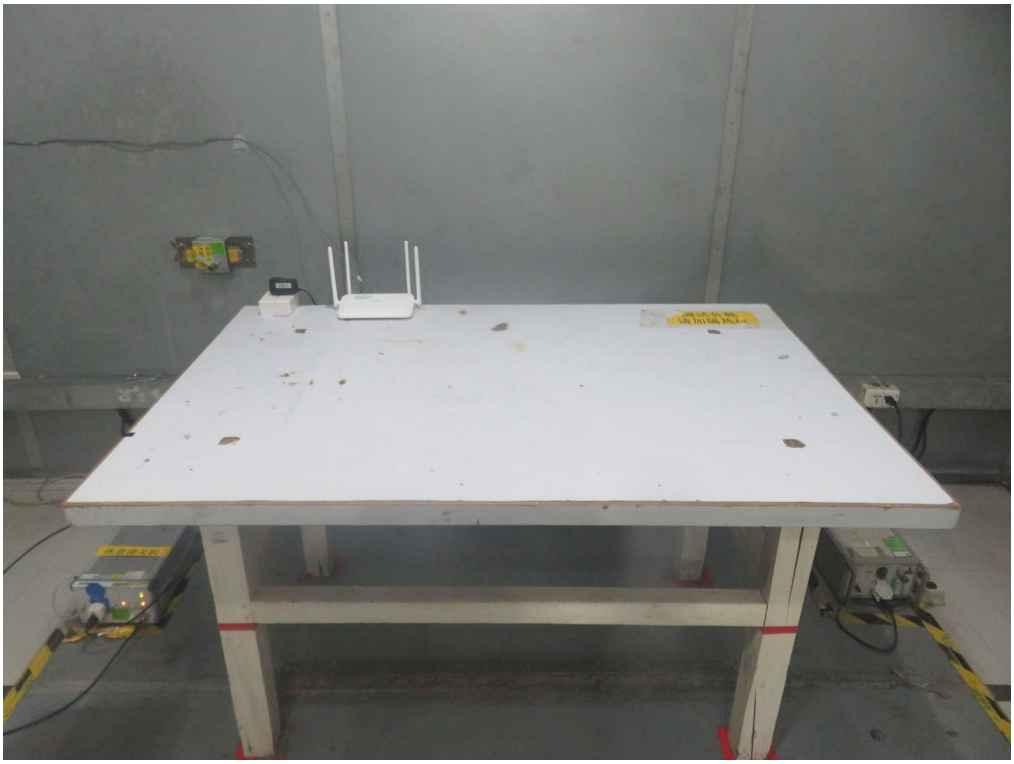
“*” calibration period of equipment list is three year.

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

10. EUT TEST PHOTO

AC Power Line Conducted Emissions Test Photos



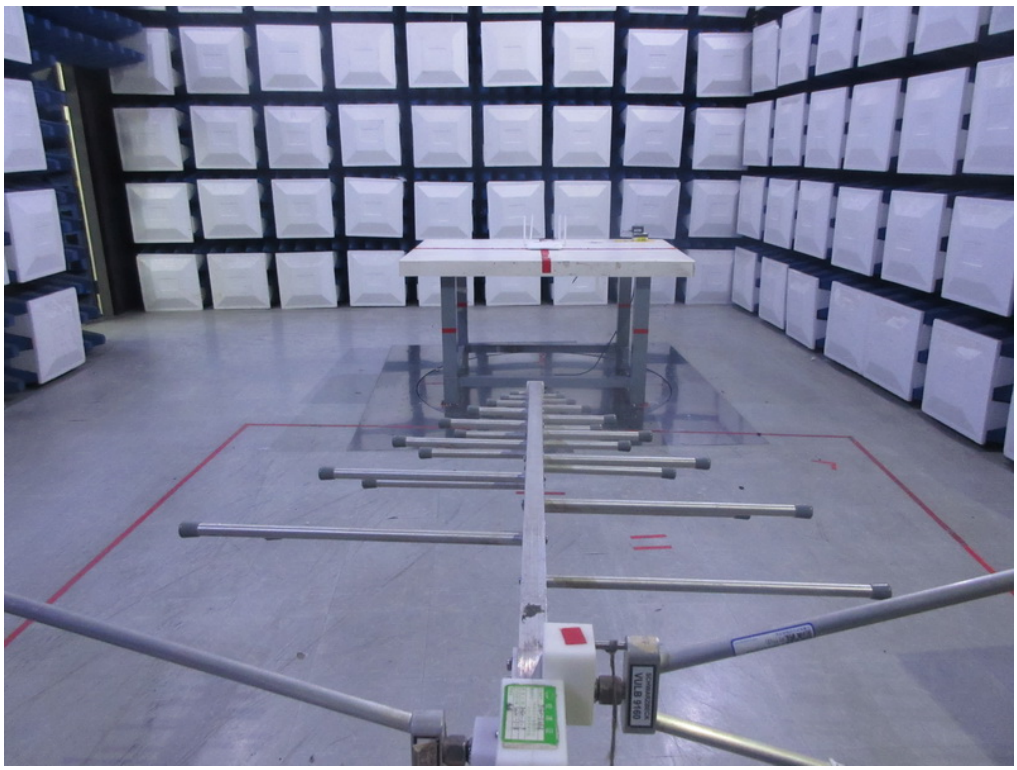


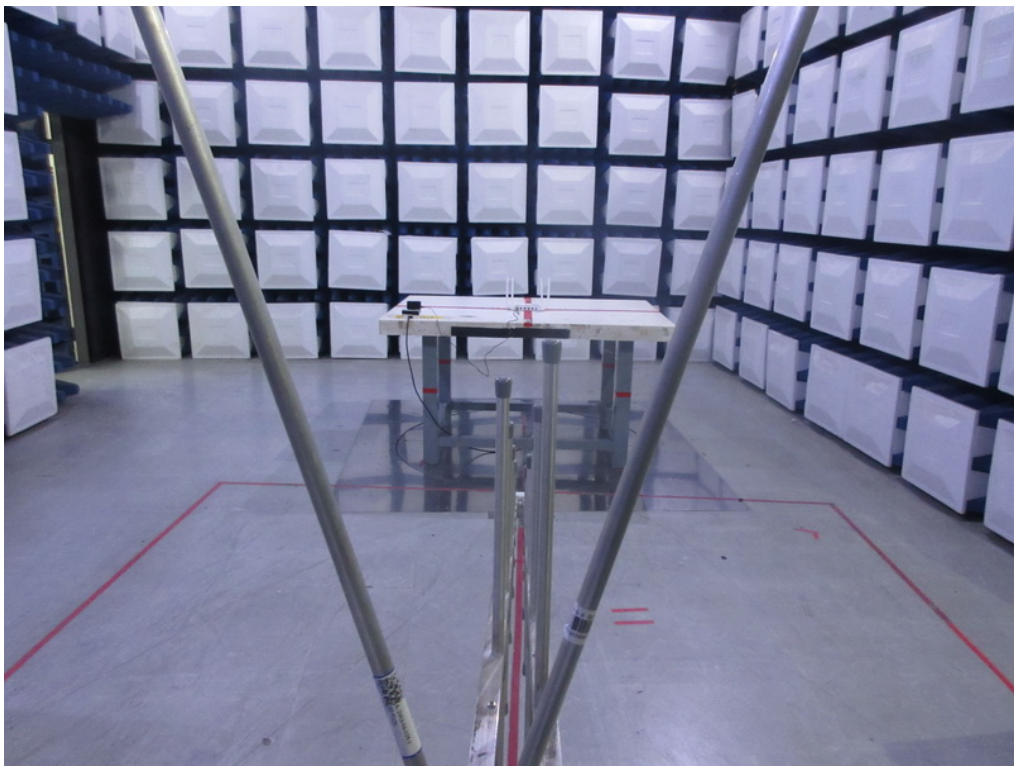
Radiated Emissions Test Photos

9 kHz to 30 MHz

Radiated Emissions Test Photos

30 MHz to 1 GHz





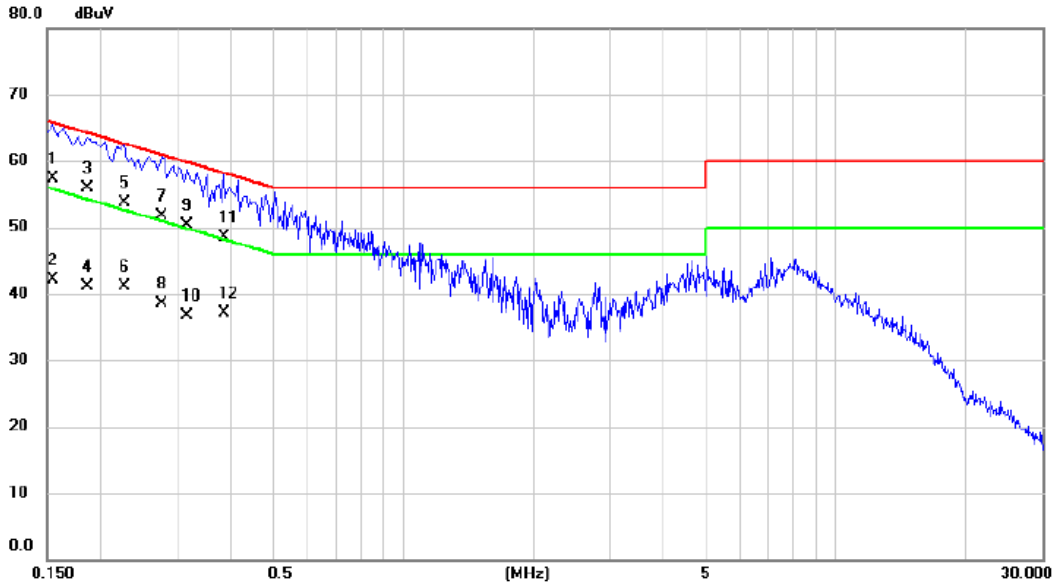
Radiated Emissions Test Photos

Above 1 GHz

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

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

Line

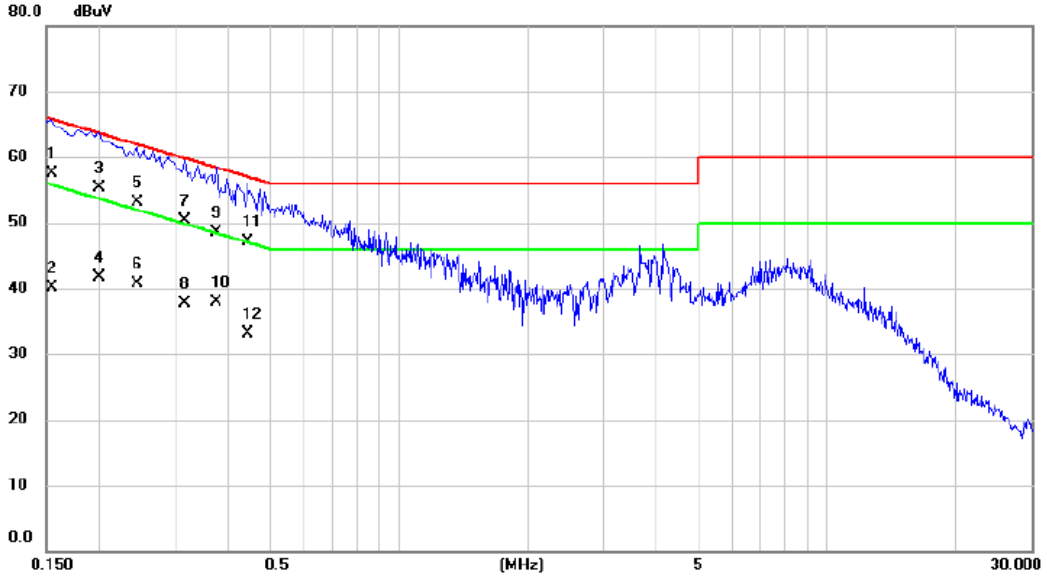


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.154	47.70	9.70	57.40	65.75	-8.35	QP	
2		0.154	32.50	9.70	42.20	55.75	-13.55	AVG	
3	*	0.186	46.10	9.86	55.96	64.21	-8.25	QP	
4		0.186	31.30	9.86	41.16	54.21	-13.05	AVG	
5		0.227	43.90	9.89	53.79	62.58	-8.79	QP	
6		0.227	31.30	9.89	41.19	52.58	-11.39	AVG	
7		0.276	41.90	9.89	51.79	60.94	-9.15	QP	
8		0.276	28.70	9.89	38.59	50.94	-12.35	AVG	
9		0.317	40.40	9.89	50.29	59.80	-9.51	QP	
10		0.317	26.80	9.89	36.69	49.80	-13.11	AVG	
11		0.384	38.60	9.92	48.52	58.19	-9.67	QP	
12		0.384	27.10	9.92	37.02	48.19	-11.17	AVG	

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

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

Neutral

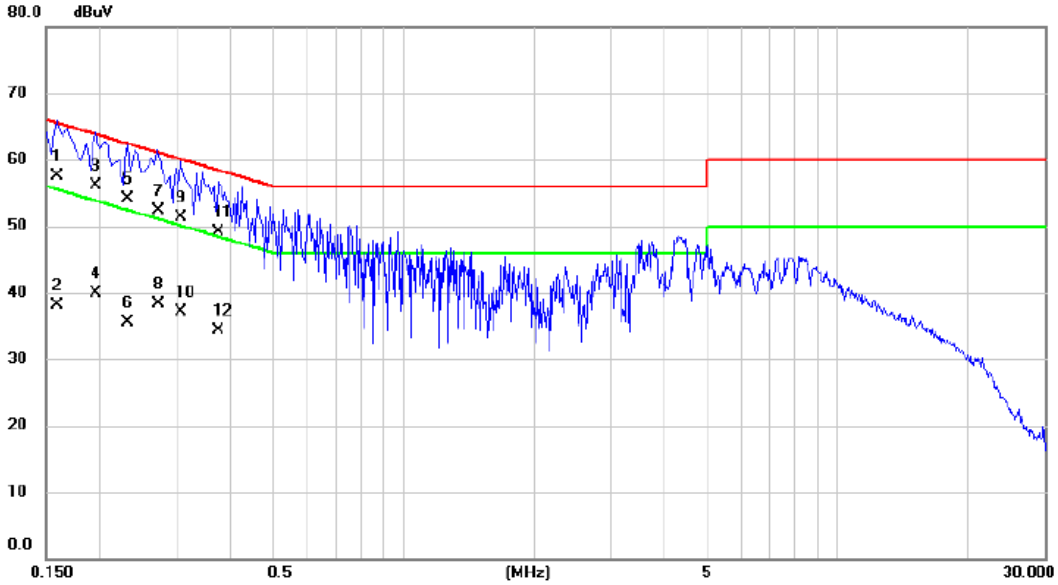


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.154	47.80	9.77	57.57	65.75	-8.18	QP	
2		0.154	30.40	9.77	40.17	55.75	-15.58	AVG	
3		0.200	45.20	10.01	55.21	63.63	-8.42	QP	
4		0.200	31.60	10.01	41.61	53.63	-12.02	AVG	
5		0.244	43.20	9.97	53.17	61.94	-8.77	QP	
6		0.244	30.80	9.97	40.77	51.94	-11.17	AVG	
7		0.317	40.30	10.03	50.33	59.80	-9.47	QP	
8		0.317	27.60	10.03	37.63	49.80	-12.17	AVG	
9		0.375	38.50	10.08	48.58	58.39	-9.81	QP	
10		0.375	27.90	10.08	37.98	48.39	-10.41	AVG	
11		0.443	36.90	10.11	47.01	57.01	-10.00	QP	
12		0.443	23.00	10.11	33.11	47.01	-13.90	AVG	

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

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

Line

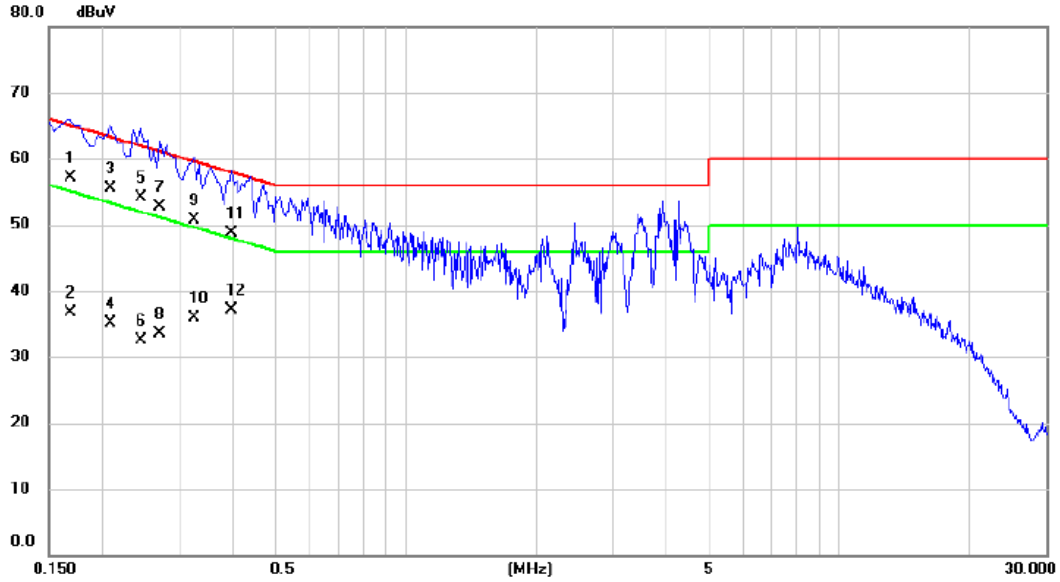


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.159	47.70	9.73	57.43	65.52	-8.09	QP	
2		0.159	28.30	9.73	38.03	55.52	-17.49	AVG	
3	*	0.195	46.20	9.90	56.10	63.82	-7.72	QP	
4		0.195	30.10	9.90	40.00	53.82	-13.82	AVG	
5		0.231	44.20	9.89	54.09	62.41	-8.32	QP	
6		0.231	25.70	9.89	35.59	52.41	-16.82	AVG	
7		0.273	42.50	9.88	52.38	61.03	-8.65	QP	
8		0.273	28.50	9.88	38.38	51.03	-12.65	AVG	
9		0.308	41.40	9.89	51.29	60.02	-8.73	QP	
10		0.308	27.30	9.89	37.19	50.02	-12.83	AVG	
11		0.375	39.10	9.91	49.01	58.39	-9.38	QP	
12		0.375	24.30	9.91	34.21	48.39	-14.18	AVG	

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

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

Neutral



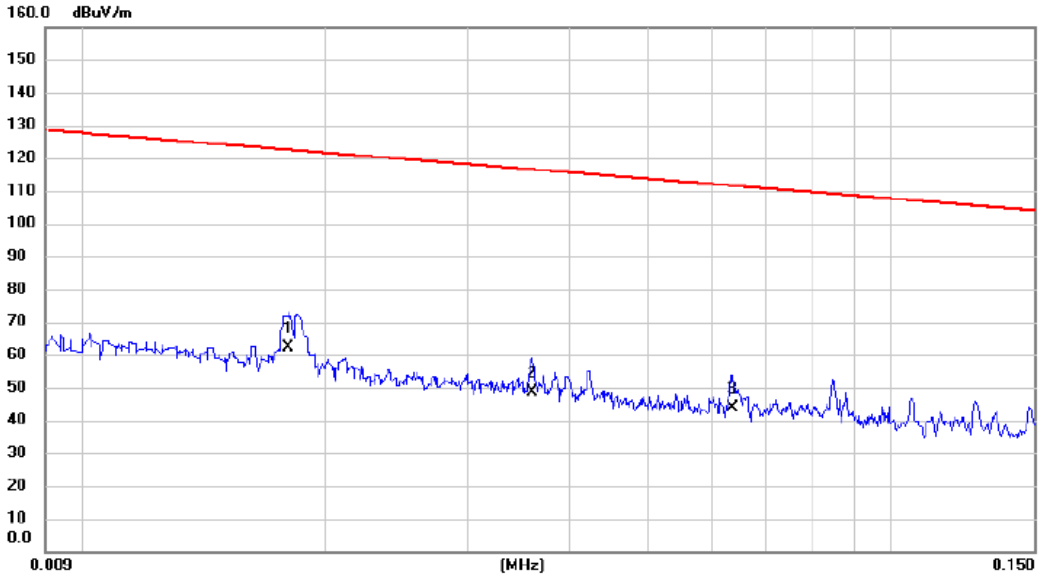
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.168	47.20	9.88	57.08	65.06	-7.98	QP	
2		0.168	26.90	9.88	36.78	55.06	-18.28	AVG	
3	*	0.208	45.50	10.00	55.50	63.26	-7.76	QP	
4		0.208	25.10	10.00	35.10	53.26	-18.16	AVG	
5		0.244	44.10	9.97	54.07	61.94	-7.87	QP	
6		0.244	22.60	9.97	32.57	51.94	-19.37	AVG	
7		0.271	42.70	10.00	52.70	61.07	-8.37	QP	
8		0.271	23.50	10.00	33.50	51.07	-17.57	AVG	
9		0.326	40.60	10.04	50.64	59.57	-8.93	QP	
10		0.326	25.80	10.04	35.84	49.57	-13.73	AVG	
11		0.398	38.70	10.09	48.79	57.91	-9.12	QP	
12		0.398	27.10	10.09	37.19	47.91	-10.72	AVG	

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode:	TX N20 Mode Channel 06

Ant 0°

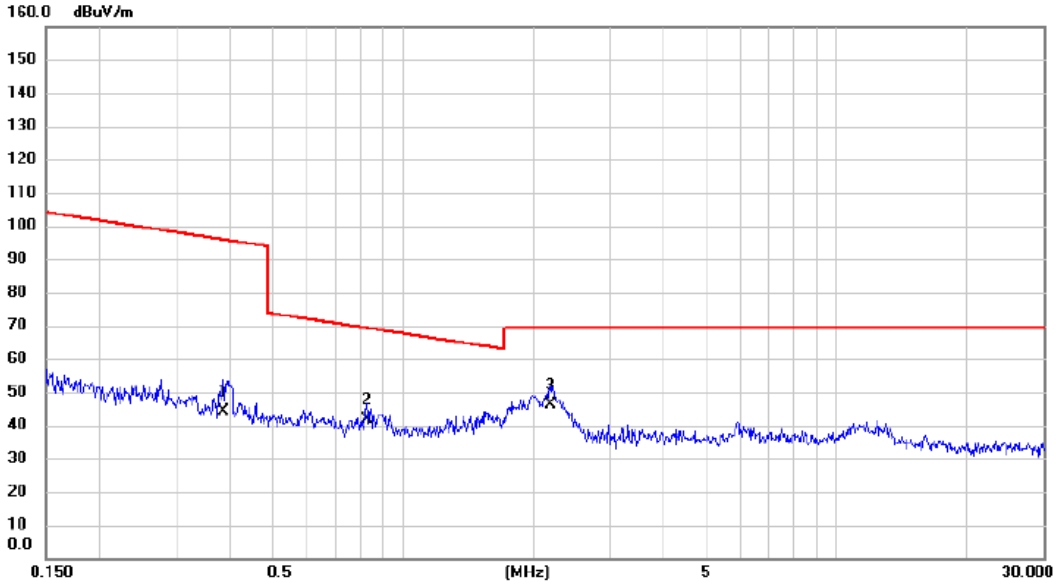


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0180	48.35	13.84	62.19	122.50	-60.31	AVG	
2		0.0360	35.72	12.79	48.51	116.48	-67.97	AVG	
3		0.0636	31.19	12.50	43.69	111.54	-67.85	AVG	

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

Test Mode:	TX N20 Mode Channel 06

Ant 0°

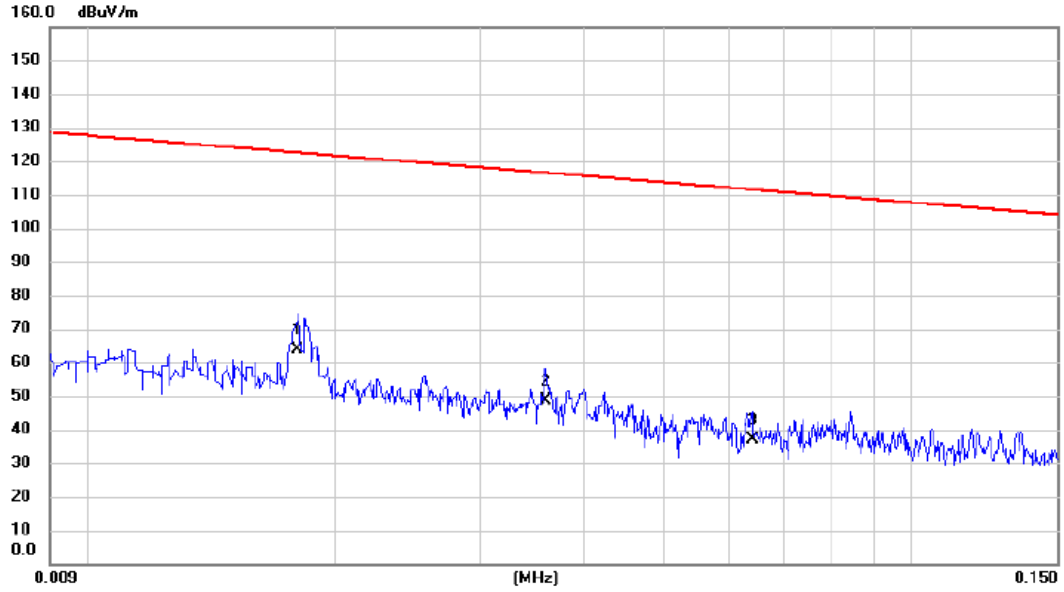


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3852	31.93	12.29	44.22	95.89	-51.67	AVG	
2		0.8261	29.81	11.87	41.68	69.26	-27.58	QP	
3	*	2.1898	35.05	11.21	46.26	69.54	-23.28	QP	

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

Test Mode:	TX N20 Mode Channel 06

Ant 90°

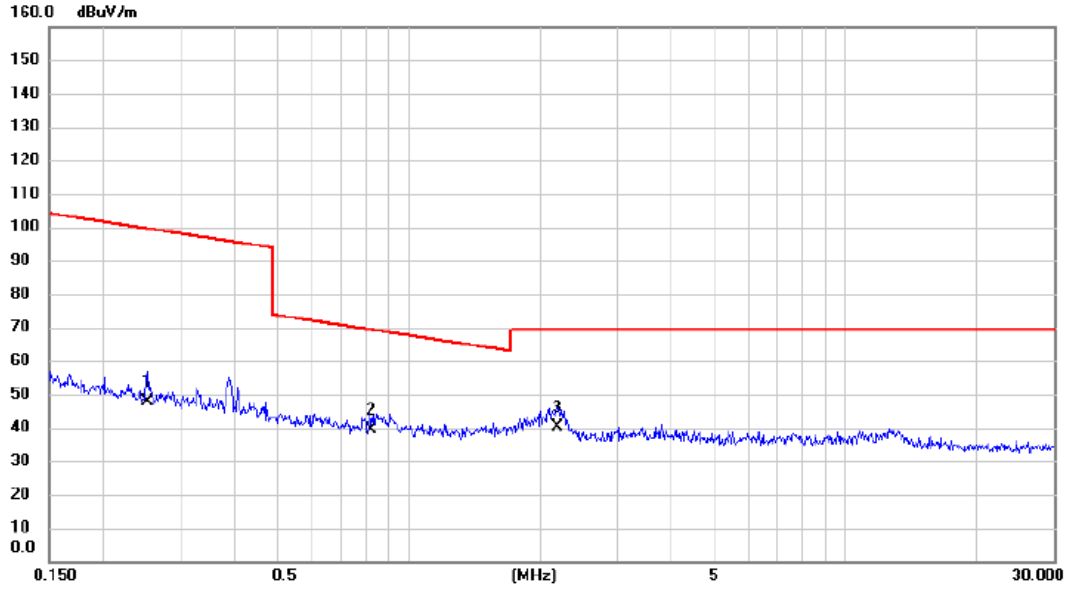


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0180	49.92	13.84	63.76	122.50	-58.74	AVG	
2		0.0360	35.84	12.79	48.63	116.48	-67.85	AVG	
3		0.0641	24.59	12.50	37.09	111.47	-74.38	AVG	

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

Test Mode:	TX N20 Mode Channel 06

Ant 90°



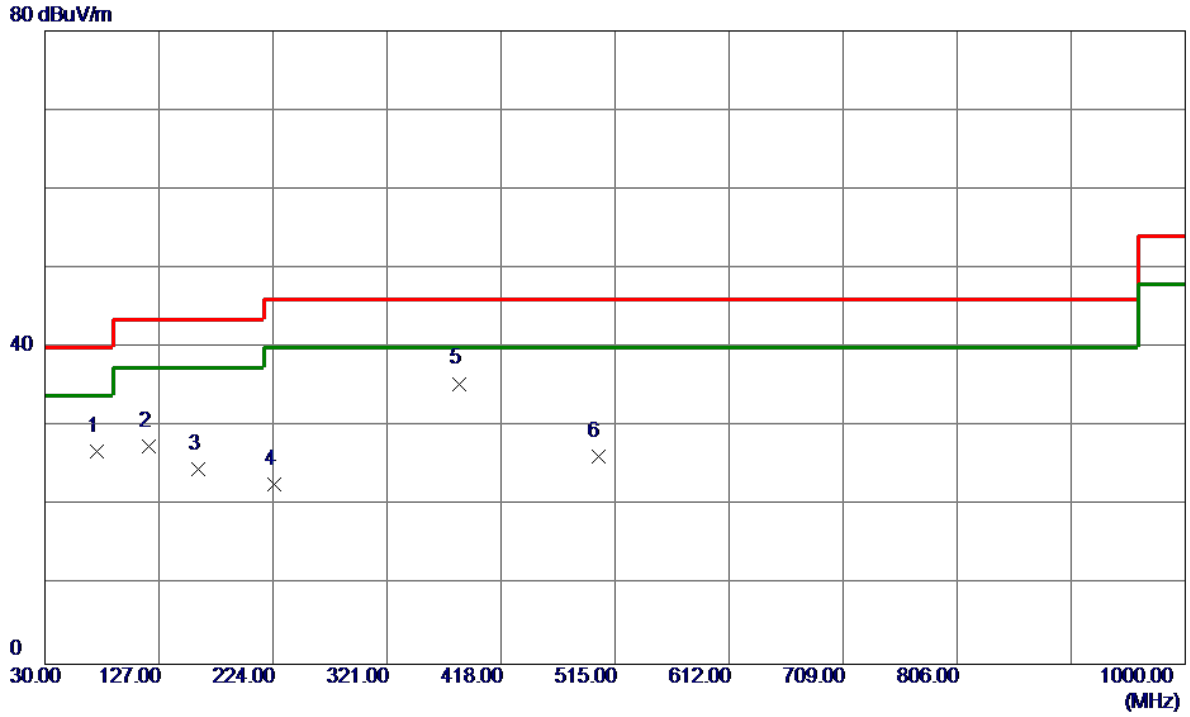
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2521	35.10	12.63	47.73	99.57	-51.84	AVG	
2		0.8174	27.73	11.87	39.60	69.36	-29.76	QP	
3	*	2.1898	29.15	11.21	40.36	69.54	-29.18	QP	

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 N20 Mode Channel 06

Vertical

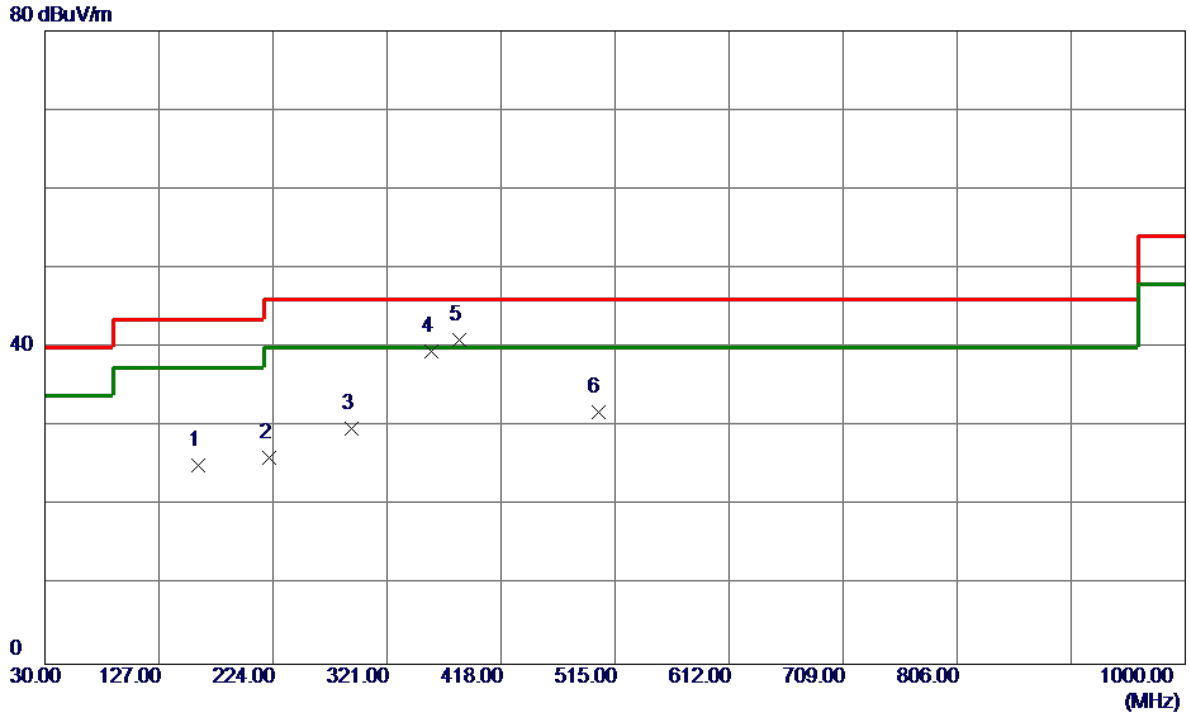


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	74.6200	43.66	-16.78	26.88	40.00	-13.12	Peak	
2	118.2700	40.54	-13.00	27.54	43.50	-15.96	Peak	
3	159.9800	35.25	-10.67	24.58	43.50	-18.92	Peak	
4	224.9700	36.82	-14.06	22.76	46.00	-23.24	Peak	
5 *	382.1099	44.87	-9.43	35.44	46.00	-10.56	Peak	
6	500.4500	33.56	-7.26	26.30	46.00	-19.70	Peak	

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

Test Mode:	TX N20 Mode Channel 06

Horizontal



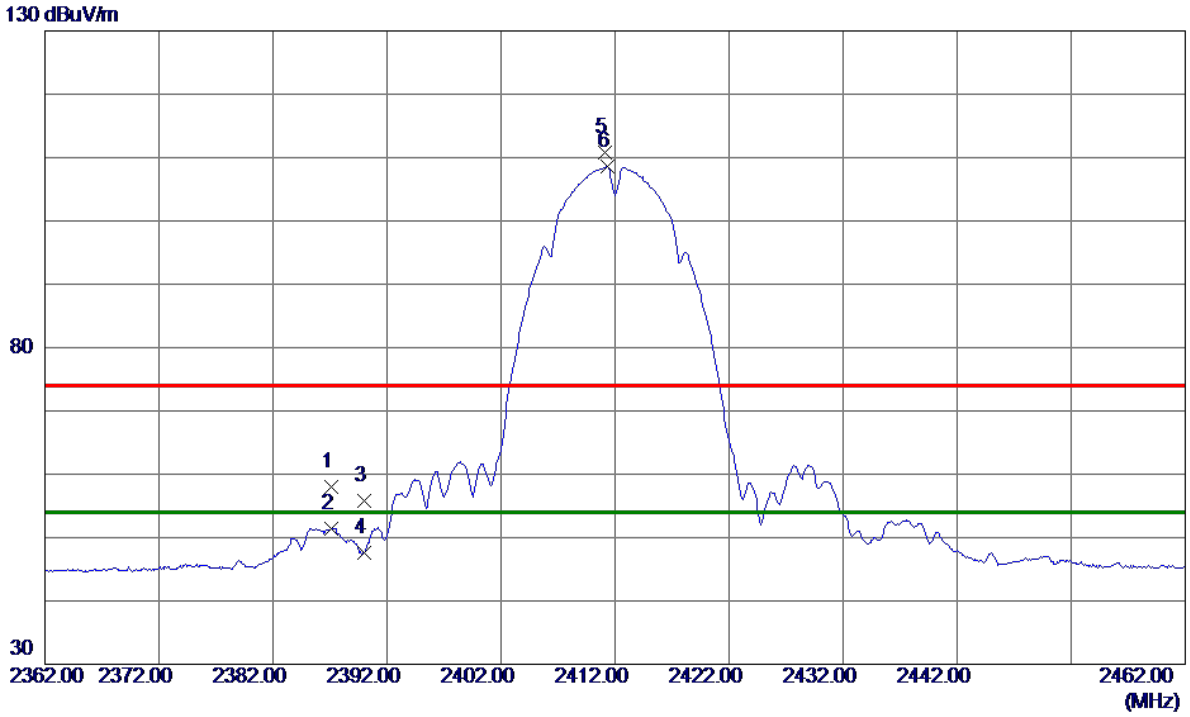
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	159.9800	35.80	-10.67	25.13	43.50	-18.37	Peak	
2	221.0900	40.30	-14.20	26.10	46.00	-19.90	Peak	
3	290.9300	41.22	-11.44	29.78	46.00	-16.22	Peak	
4	358.8299	49.46	-9.99	39.47	46.00	-6.53	Peak	
5 *	382.1099	50.46	-9.43	41.03	46.00	-4.97	Peak	
6	500.4500	39.05	-7.26	31.79	46.00	-14.21	Peak	

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode:	TX B Mode 2412 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2387.1000	49.77	8.28	58.05	74.00	-15.95	Peak	
2	2387.1000	43.16	8.28	51.44	54.00	-2.56	AVG	
3	2390.0000	47.48	8.29	55.77	74.00	-18.23	Peak	
4	2390.0000	39.29	8.29	47.58	54.00	-6.42	AVG	
5	2411.1000	102.47	8.31	110.78	74.00	36.78	Peak	No Limit
6 *	2411.3000	100.24	8.31	108.55	54.00	54.55	AVG	No Limit

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

Test Mode:	TX B Mode 2412 MHz

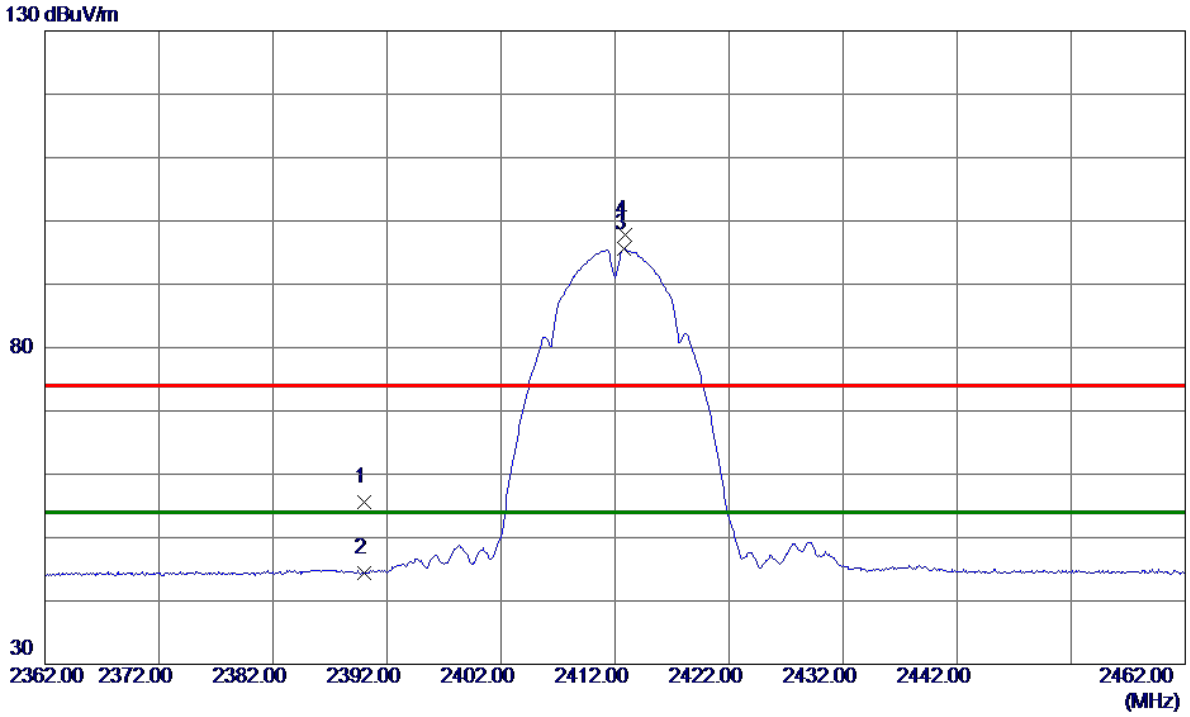
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.9750	46.59	5.32	51.91	54.00	-2.09	AVG	
2	4824.0050	49.73	5.32	55.05	74.00	-18.95	Peak	

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

Test Mode:	TX B Mode 2412 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	47.24	8.29	55.53	74.00	-18.47	Peak	
2	2390.0000	36.05	8.29	44.34	54.00	-9.66	AVG	
3 *	2412.8000	87.25	8.31	95.56	54.00	41.56	AVG	No Limit
4	2412.9000	89.49	8.31	97.80	74.00	23.80	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

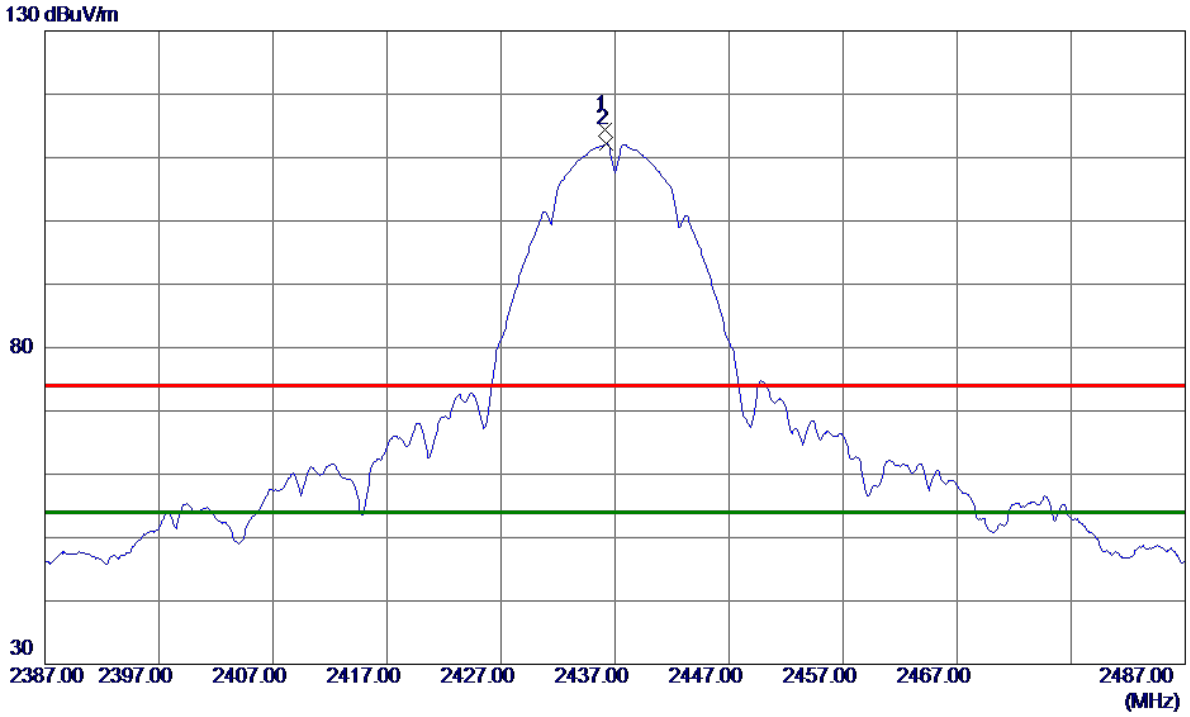
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.7900	43.48	5.32	48.80	74.00	-25.20	Peak	
2 *	4824.0219	37.52	5.32	42.84	54.00	-11.16	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	2436.1000	105.98	8.34	114.32	74.00	40.32	Peak	No Limit
2 *	2436.2000	103.79	8.34	112.13	54.00	58.13	AVG	No Limit

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

Test Mode:	TX B Mode 2437 MHz

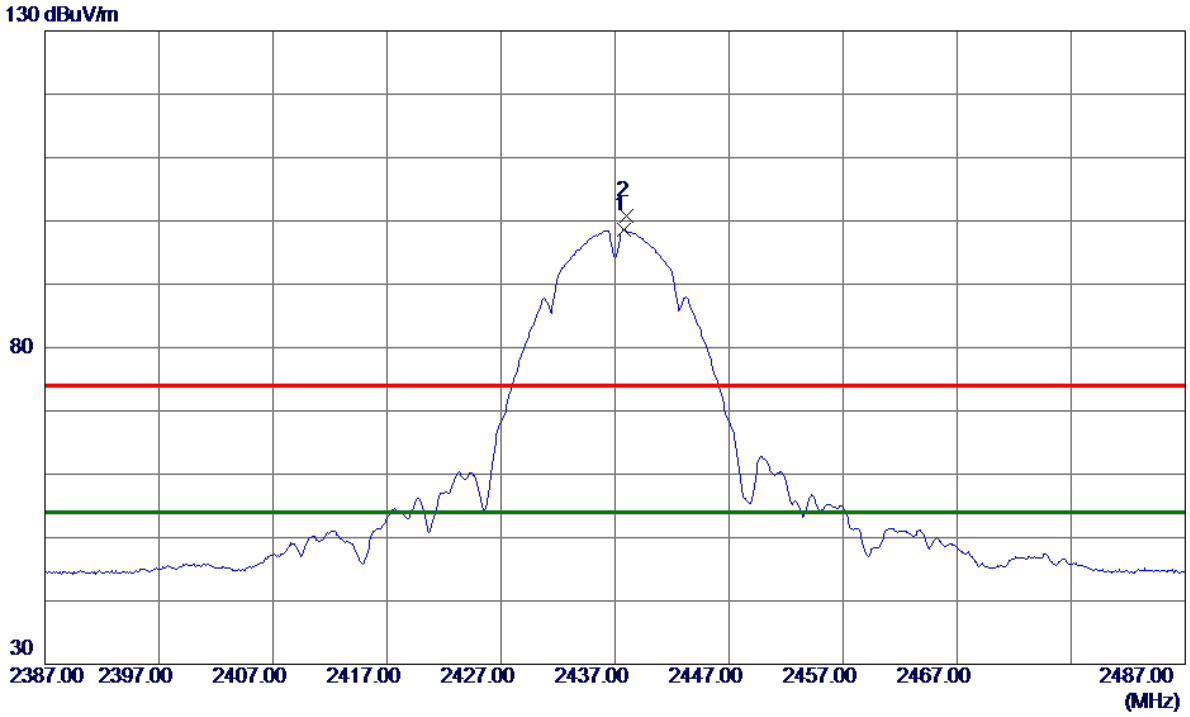
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.9700	46.30	5.46	51.76	54.00	-2.24	AVG	
2	4873.9950	49.00	5.46	54.46	74.00	-19.54	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	90.24	8.34	98.58	54.00	44.58	AVG	No Limit
2	2438.0000	92.40	8.34	100.74	74.00	26.74	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

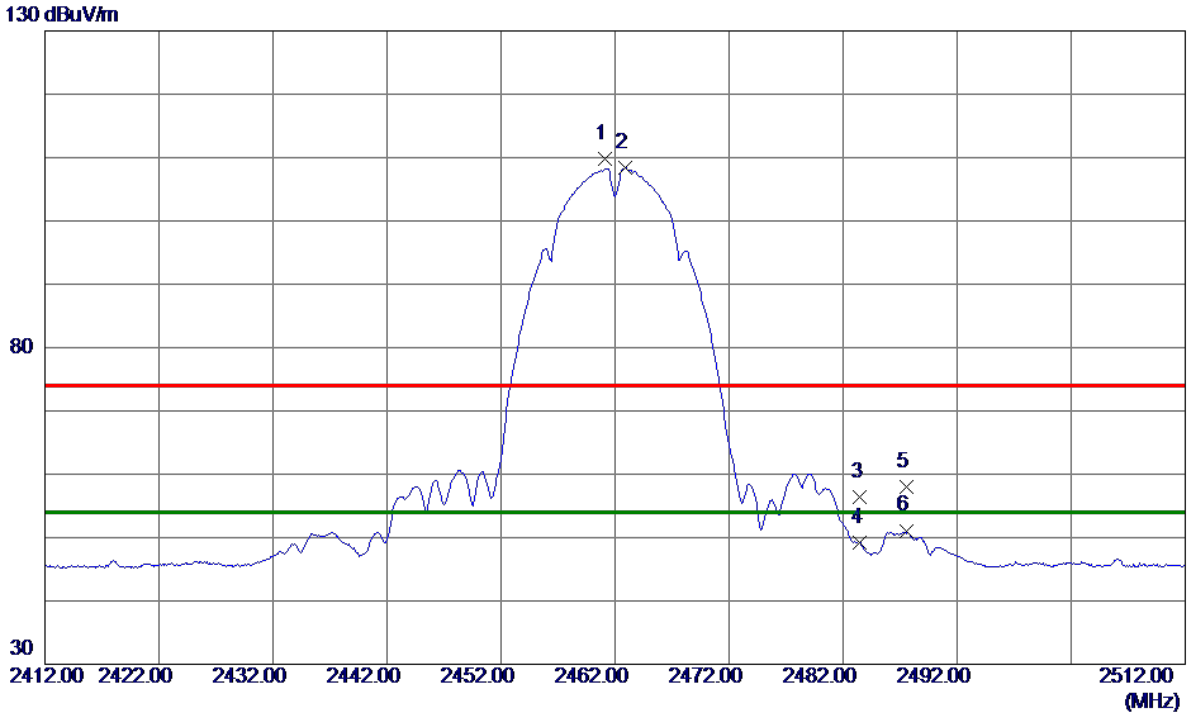
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.0299	37.16	5.46	42.62	54.00	-11.38	AVG	
2	4874.1360	44.02	5.46	49.48	74.00	-24.52	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	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2461.1000	101.43	8.36	109.79	74.00	35.79	Peak	No Limit
2 *	2462.9000	99.95	8.37	108.32	54.00	54.32	AVG	No Limit
3	2483.5000	48.03	8.39	56.42	74.00	-17.58	Peak	
4	2483.5000	40.79	8.39	49.18	54.00	-4.82	AVG	
5	2487.6000	49.53	8.39	57.92	74.00	-16.08	Peak	
6	2487.6000	42.71	8.39	51.10	54.00	-2.90	AVG	

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

Test Mode:	TX B Mode 2462 MHz

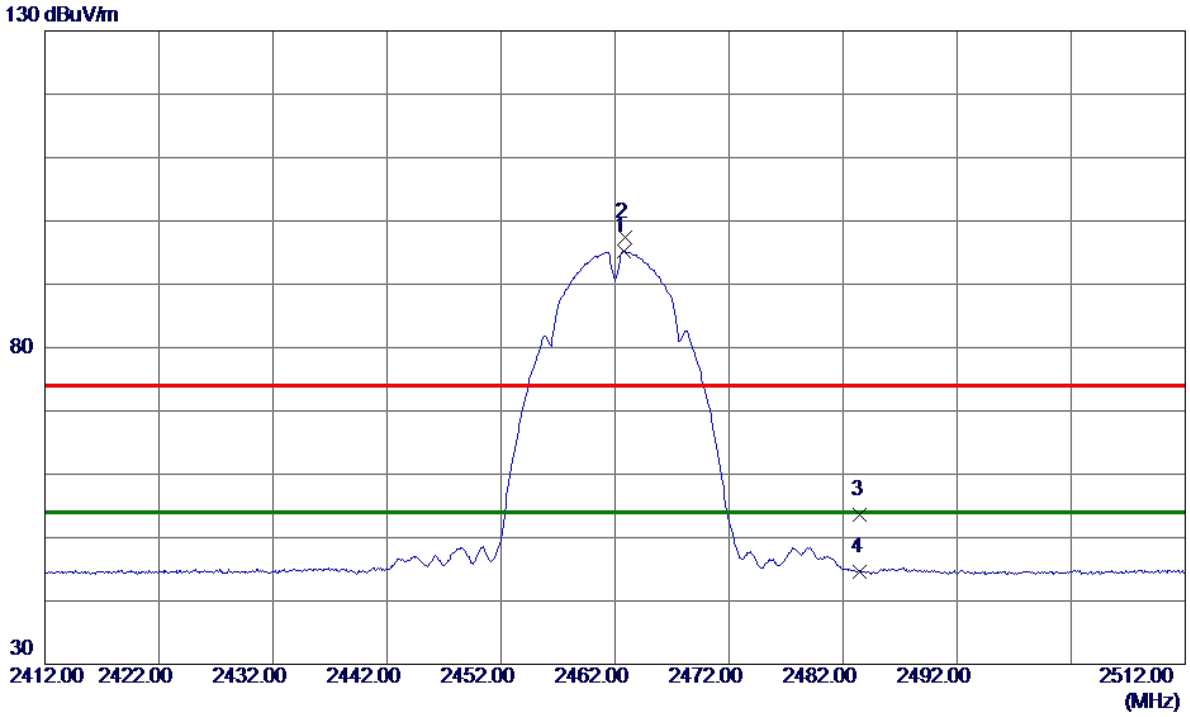
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923.9950	45.77	5.59	51.36	54.00	-2.64	AVG	
2	4924.0050	48.59	5.59	54.18	74.00	-19.82	Peak	

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

Test Mode:	TX B Mode 2462 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2462.8000	86.89	8.37	95.26	54.00	41.26	AVG	No Limit
2	2462.9000	89.03	8.37	97.40	74.00	23.40	Peak	No Limit
3	2483.5000	45.25	8.39	53.64	74.00	-20.36	Peak	
4	2483.5000	36.29	8.39	44.68	54.00	-9.32	AVG	

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

Test Mode:	TX B Mode 2462 MHz

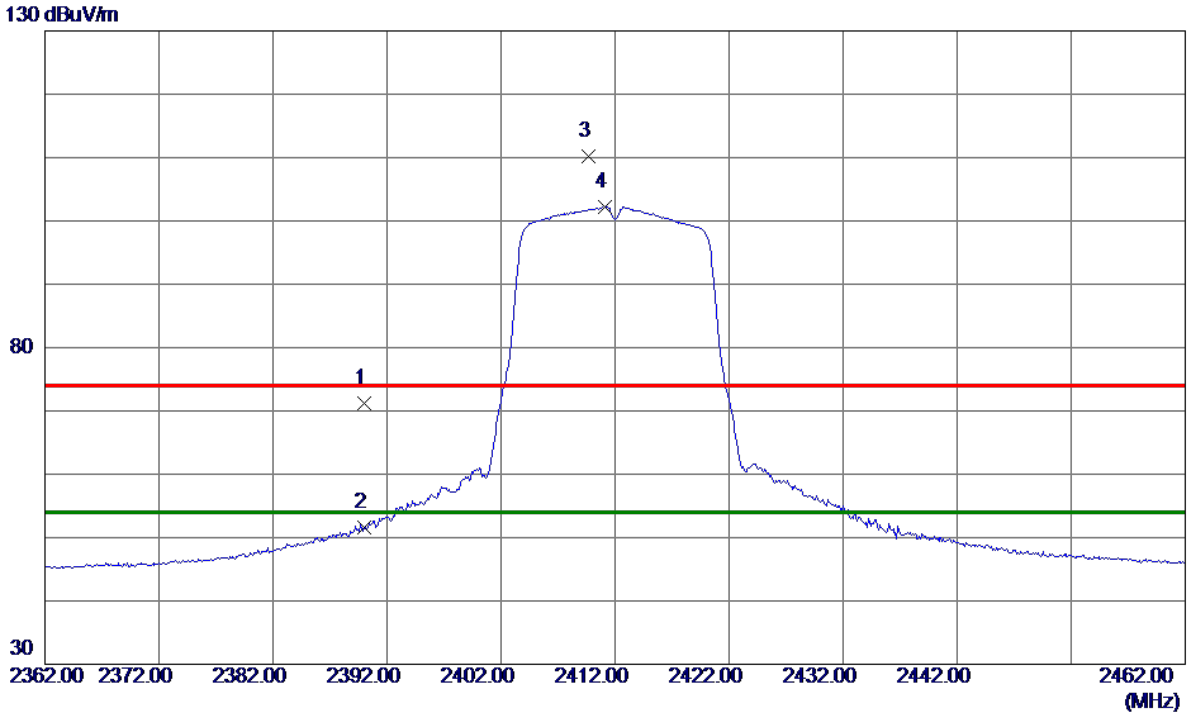
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.7980	42.88	5.59	48.47	74.00	-25.53	Peak	
2 *	4923.9800	36.71	5.59	42.30	54.00	-11.70	AVG	

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

Test Mode:	TX G Mode 2412 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	62.82	8.29	71.11	74.00	-2.89	Peak	
2	2390.0000	43.40	8.29	51.69	54.00	-2.31	AVG	
3	2409.7000	101.86	8.31	110.17	74.00	36.17	Peak	No Limit
4 *	2411.1000	93.93	8.31	102.24	54.00	48.24	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

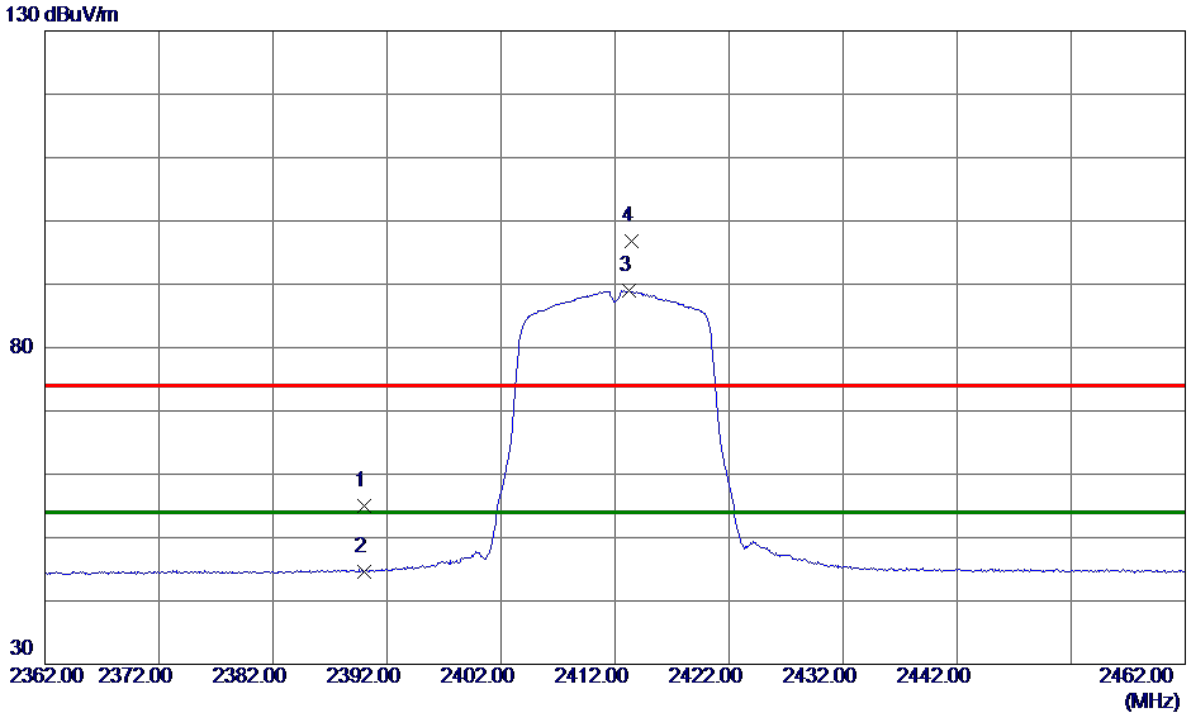
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.2799	46.47	5.32	51.79	54.00	-2.21	AVG	
2	4825.8600	58.37	5.33	63.70	74.00	-10.30	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	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	46.73	8.29	55.02	74.00	-18.98	Peak	
2	2390.0000	36.40	8.29	44.69	54.00	-9.31	AVG	
3 *	2413.2000	80.63	8.31	88.94	54.00	34.94	AVG	No Limit
4	2413.4000	88.40	8.31	96.71	74.00	22.71	Peak	No Limit

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

Test Mode:	TX G Mode 2412 MHz

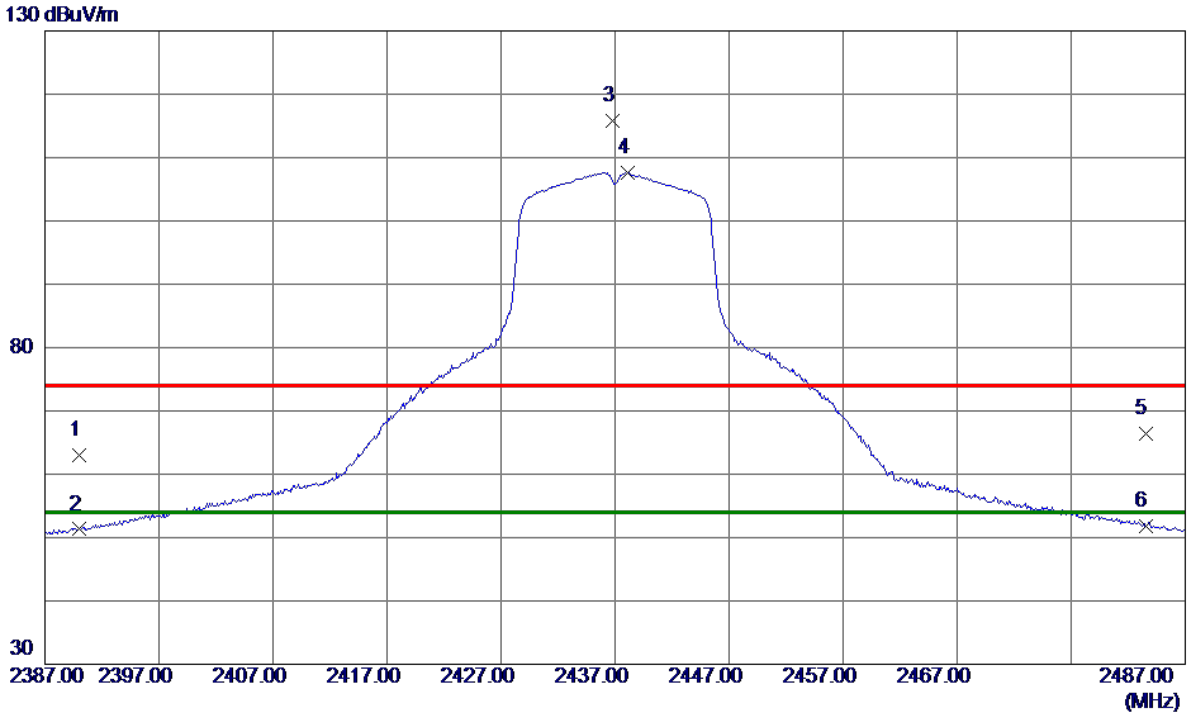
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.5920	37.25	5.32	42.57	54.00	-11.43	AVG	
2	4824.9800	49.81	5.33	55.14	74.00	-18.86	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	2390.0000	54.72	8.29	63.01	74.00	-10.99	Peak	
2	2390.0000	43.01	8.29	51.30	54.00	-2.70	AVG	
3	2436.8000	107.39	8.34	115.73	74.00	41.73	Peak	No Limit
4 *	2438.1000	99.23	8.34	107.57	54.00	53.57	AVG	No Limit
5	2483.5000	58.05	8.39	66.44	74.00	-7.56	Peak	
6	2483.5000	43.35	8.39	51.74	54.00	-2.26	AVG	

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

Test Mode:	TX G Mode 2437 MHz

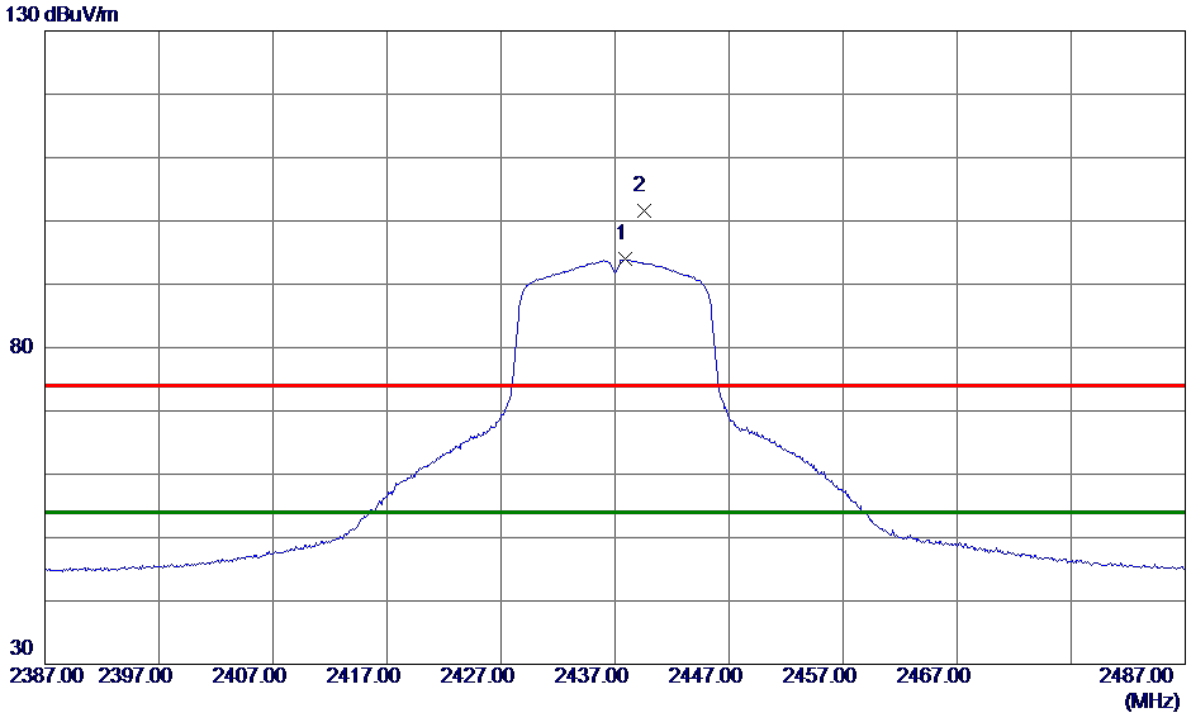
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4871.2700	57.97	5.45	63.42	74.00	-10.58	Peak	
2 *	4873.8800	45.86	5.46	51.32	54.00	-2.68	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 *	2437.9000	85.56	8.34	93.90	54.00	39.90	AVG	No Limit
2	2439.5000	93.27	8.34	101.61	74.00	27.61	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

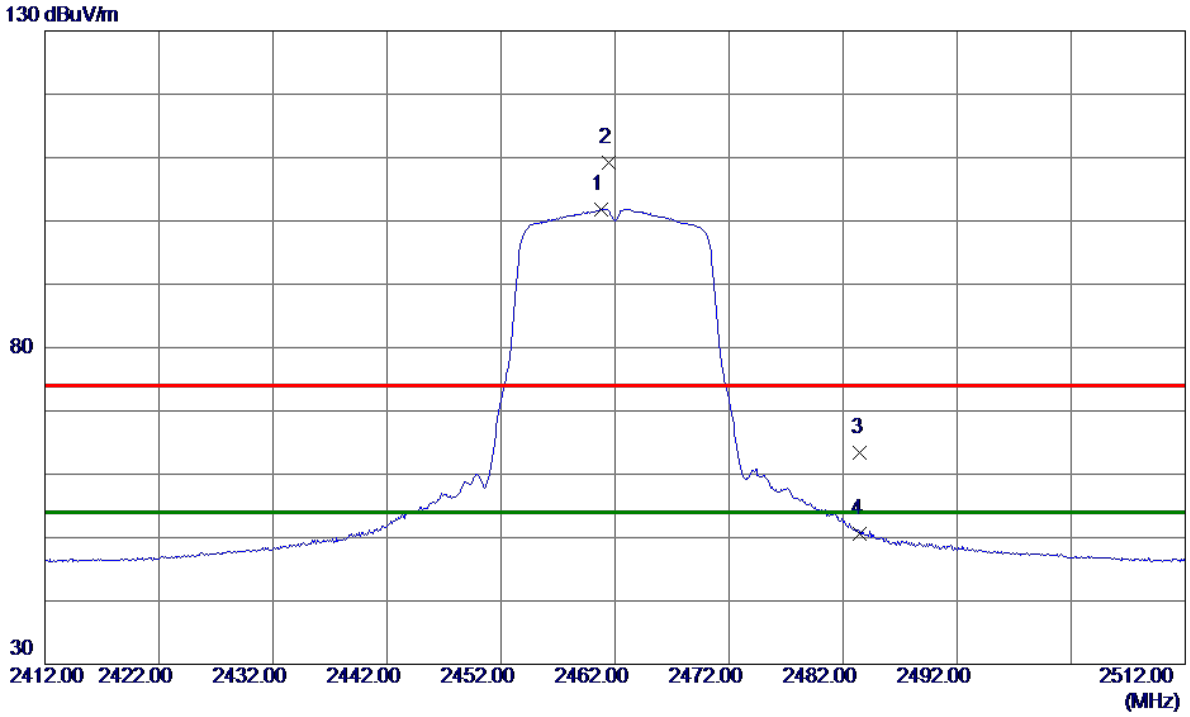
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.8420	49.80	5.46	55.26	74.00	-18.74	Peak	
2 *	4873.9880	36.89	5.46	42.35	54.00	-11.65	AVG	

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

Test Mode:	TX G Mode 2462 MHz

Vertical

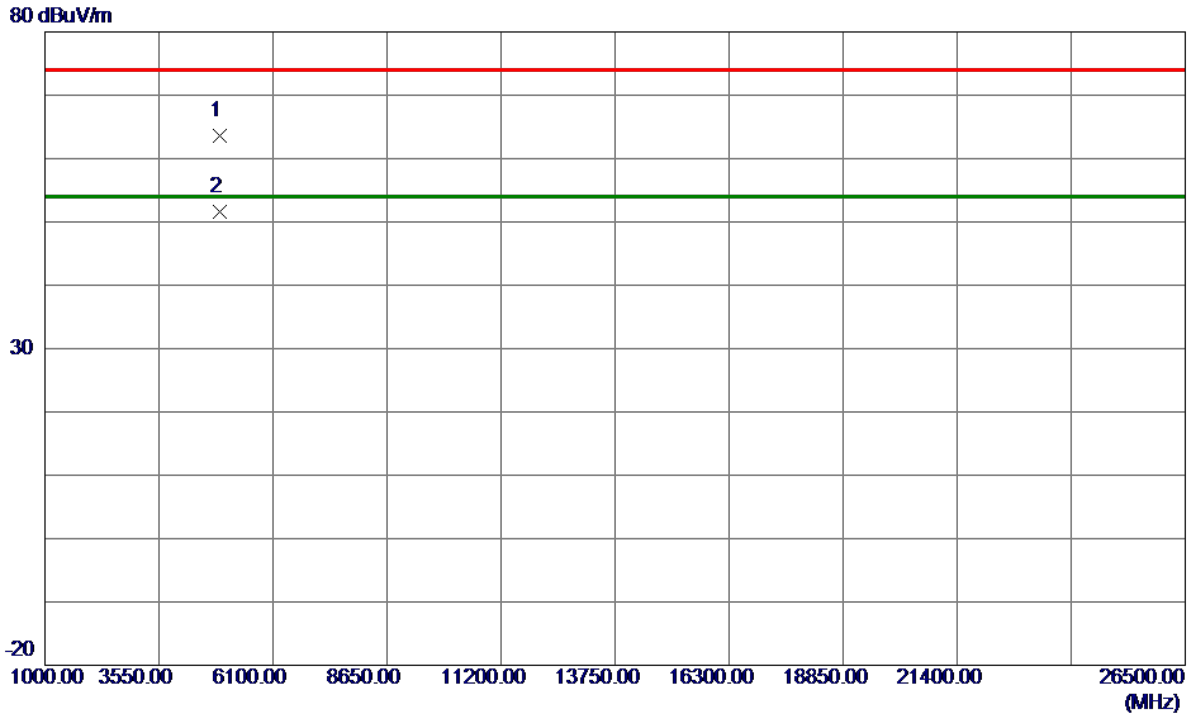


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2460.8000	93.45	8.36	101.81	54.00	47.81	AVG	No Limit
2	2461.4000	100.75	8.36	109.11	74.00	35.11	Peak	No Limit
3	2483.5000	55.08	8.39	63.47	74.00	-10.53	Peak	
4	2483.5000	42.28	8.39	50.67	54.00	-3.33	AVG	

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

Test Mode:	TX G Mode 2462 MHz

Vertical

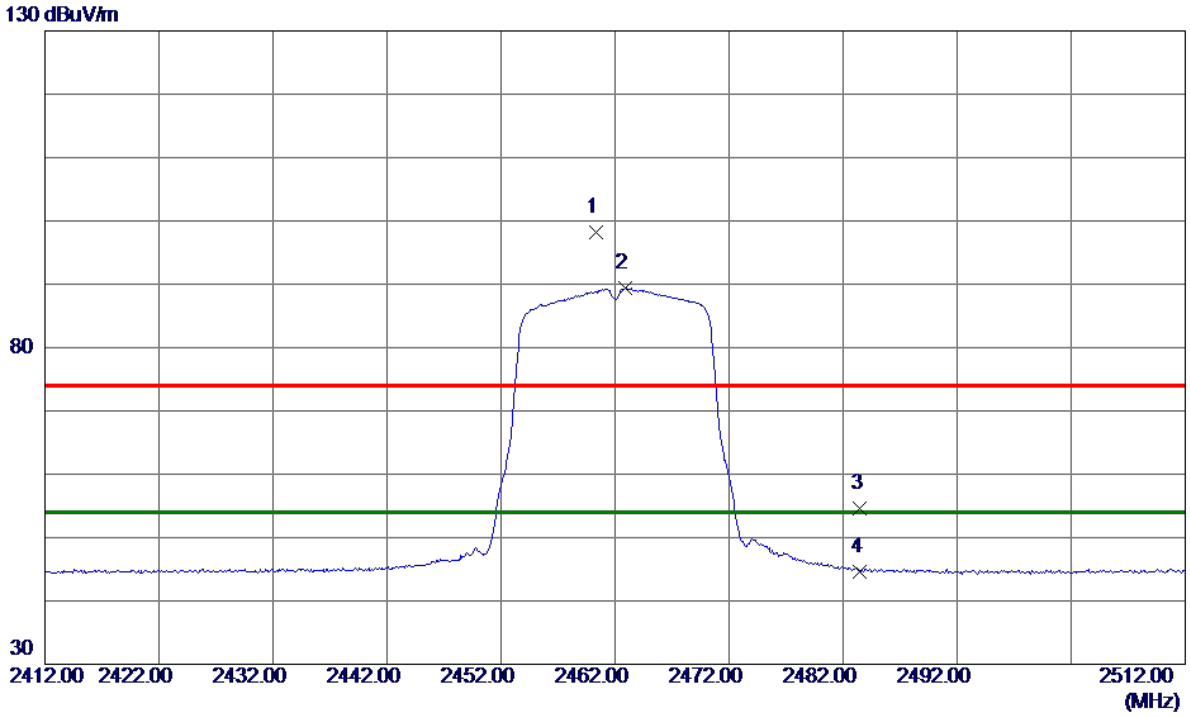


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4921.8700	57.92	5.59	63.51	74.00	-10.49	Peak	
2 *	4923.0400	46.06	5.59	51.65	54.00	-2.35	AVG	

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	2460.3000	89.79	8.36	98.15	74.00	24.15	Peak	No Limit
2 *	2462.9000	81.00	8.37	89.37	54.00	35.37	AVG	No Limit
3	2483.5000	46.20	8.39	54.59	74.00	-19.41	Peak	
4	2483.5000	36.27	8.39	44.66	54.00	-9.34	AVG	

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

Test Mode:	TX G Mode 2462 MHz

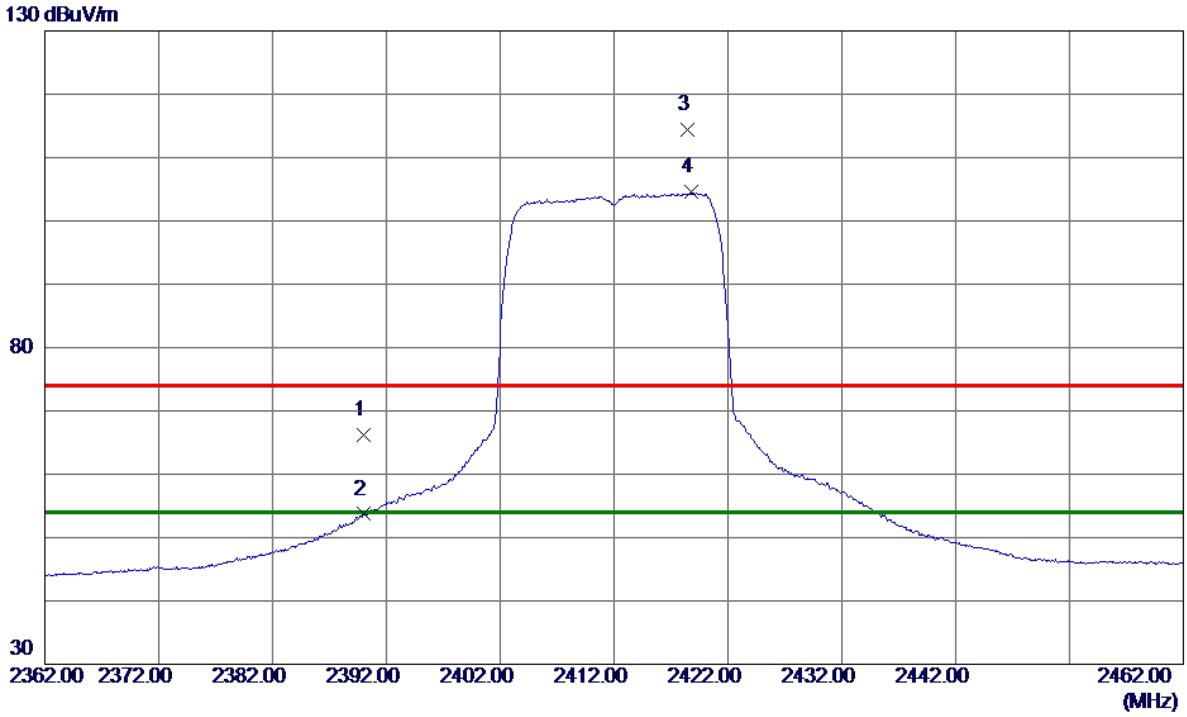
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.3520	49.88	5.59	55.47	74.00	-18.53	Peak	
2 *	4924.8180	37.07	5.60	42.67	54.00	-11.33	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	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	55.55	10.62	66.17	74.00	-7.83	Peak	
2	2390.0000	43.08	10.62	53.70	54.00	-0.30	AVG	
3	2418.4000	103.73	10.71	114.44	74.00	40.44	Peak	No Limit
4 *	2418.7500	93.97	10.71	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

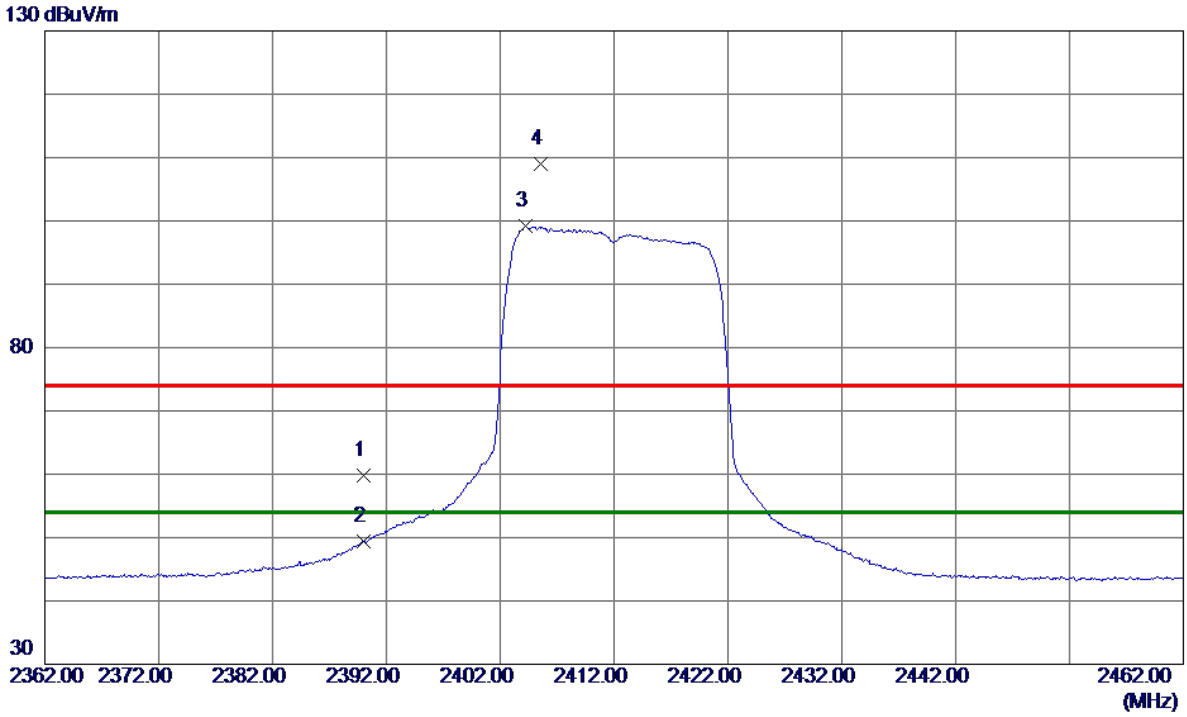
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.9350	45.54	7.86	53.40	54.00	-0.60	AVG	
2	4825.9800	55.83	7.87	63.70	74.00	-10.30	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	49.16	10.62	59.78	74.00	-14.22	Peak	
2	2390.0000	38.84	10.62	49.46	54.00	-4.54	AVG	
3 *	2404.2500	88.56	10.66	99.22	54.00	45.22	AVG	No Limit
4	2405.5500	98.23	10.67	108.90	74.00	34.90	Peak	No Limit

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

Test Mode:	TX N-20M Mode 2412 MHz

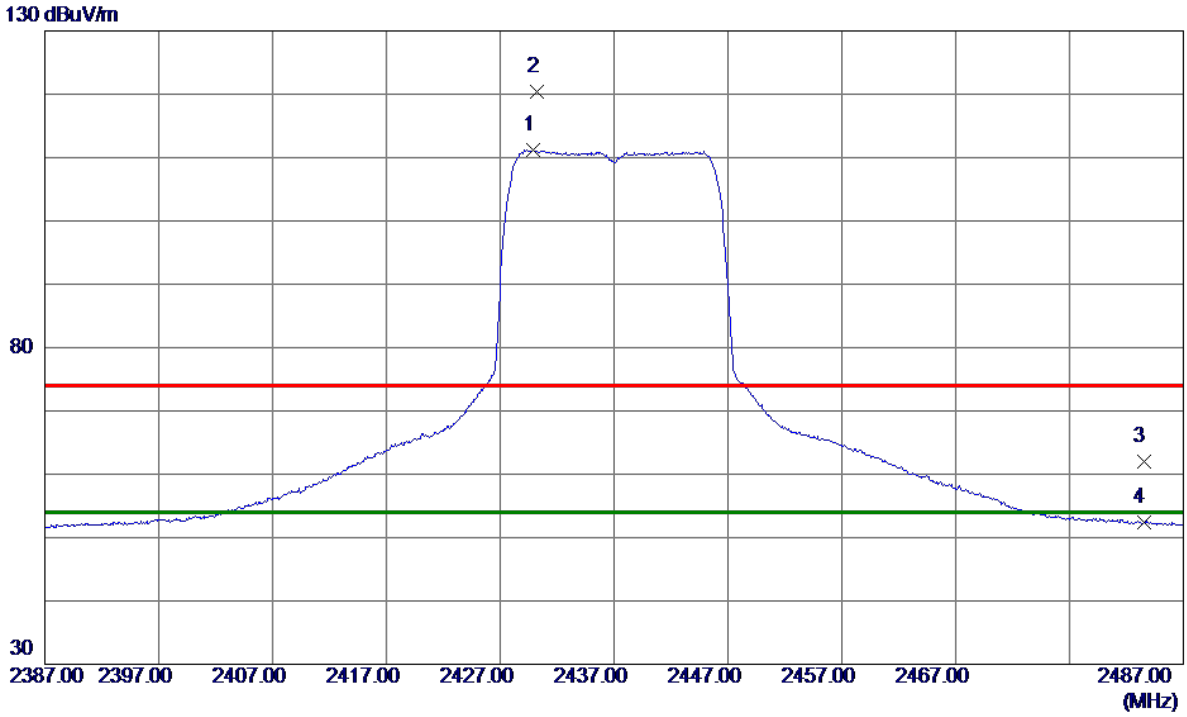
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.0099	56.32	7.85	64.17	74.00	-9.83	Peak	
2 *	4823.9750	40.61	7.86	48.47	54.00	-5.53	AVG	

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

Test Mode:	TX N-20M Mode 2437 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2429.8500	100.52	10.74	111.26	54.00	57.26	AVG	No Limit
2	2430.2000	109.65	10.74	120.39	74.00	46.39	Peak	No Limit
3	2483.5000	51.01	10.90	61.91	74.00	-12.09	Peak	
4	2483.5000	41.58	10.90	52.48	54.00	-1.52	AVG	

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

Test Mode:	TX N-20M Mode 2437 MHz

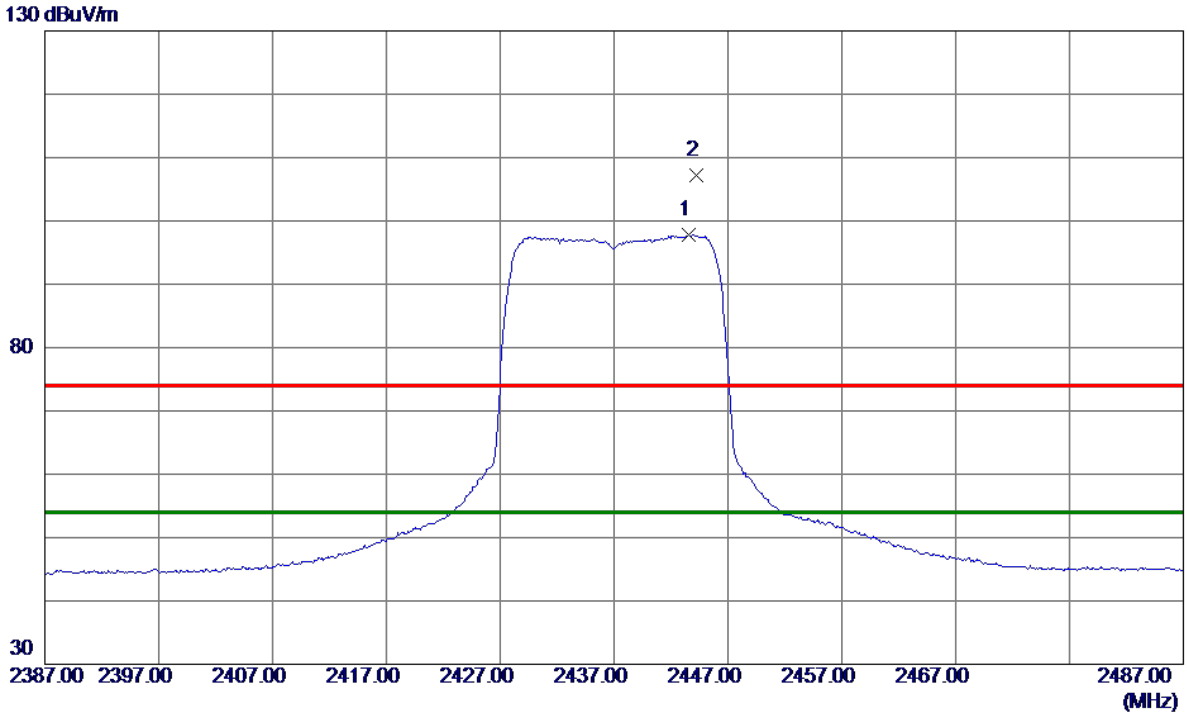
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4869.7799	54.23	8.04	62.27	74.00	-11.73	Peak	
2 *	4874.1000	42.04	8.06	50.10	54.00	-3.90	AVG	

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

Test Mode:	TX N-20M Mode 2437 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2443.5500	87.10	10.78	97.88	54.00	43.88	AVG	No Limit
2	2444.2000	96.35	10.78	107.13	74.00	33.13	Peak	No Limit

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

Test Mode:	TX N-20M Mode 2437 MHz

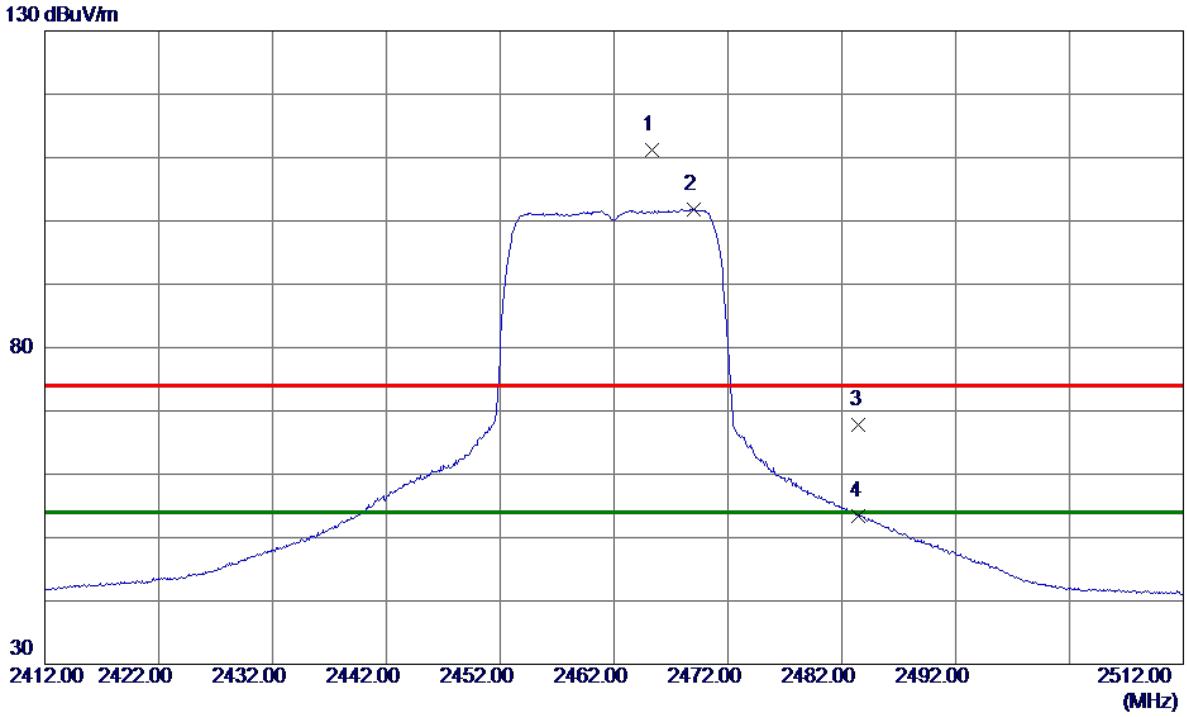
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4872.5150	46.17	8.05	54.22	74.00	-19.78	Peak	
2 *	4873.8250	30.25	8.06	38.31	54.00	-15.69	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	2465.3000	100.33	10.85	111.18	74.00	37.18	Peak	No Limit
2 *	2468.9500	91.01	10.86	101.87	54.00	47.87	AVG	No Limit
3	2483.5000	56.89	10.90	67.79	74.00	-6.21	Peak	
4	2483.5000	42.49	10.90	53.39	54.00	-0.61	AVG	

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

Test Mode:	TX N-20M Mode 2462 MHz

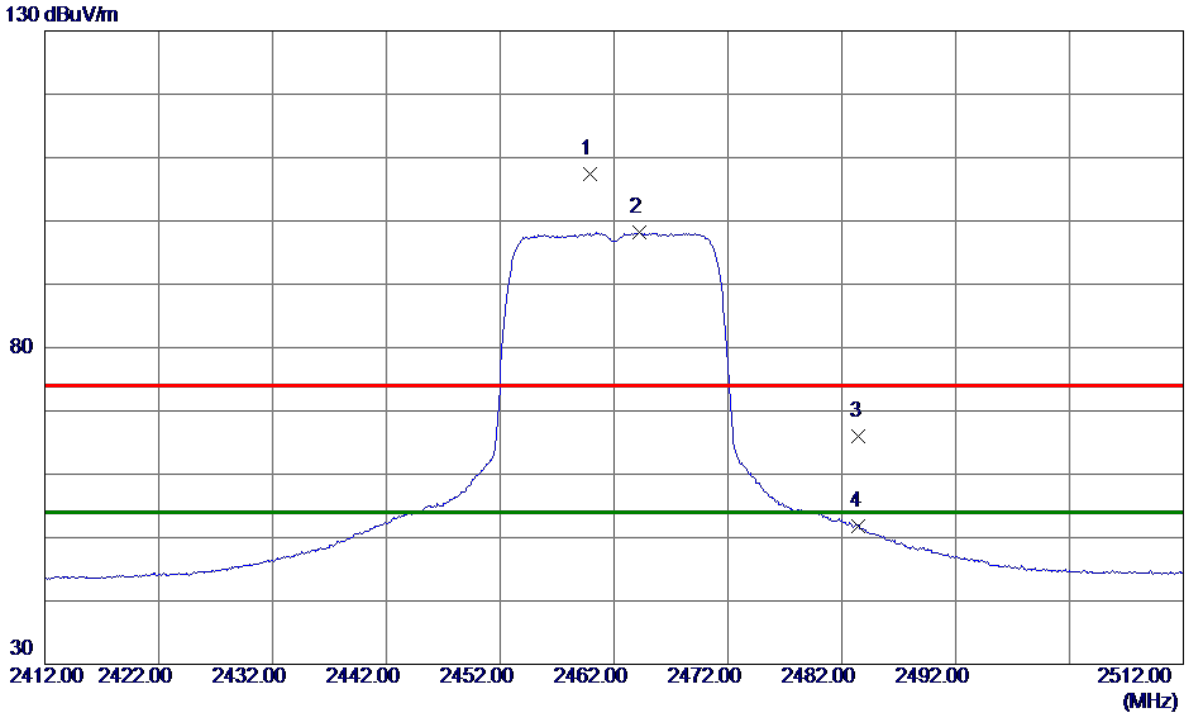
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.3750	42.04	8.26	50.30	54.00	-3.70	AVG	
2	4924.8100	54.56	8.26	62.82	74.00	-11.18	Peak	

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

Test Mode:	TX N-20M Mode 2462 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2459.8500	96.50	10.83	107.33	74.00	33.33	Peak	No Limit
2 *	2464.2500	87.35	10.84	98.19	54.00	44.19	AVG	No Limit
3	2483.5000	55.09	10.90	65.99	74.00	-8.01	Peak	
4	2483.5000	40.97	10.90	51.87	54.00	-2.13	AVG	

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

Test Mode:	TX N-20M Mode 2462 MHz

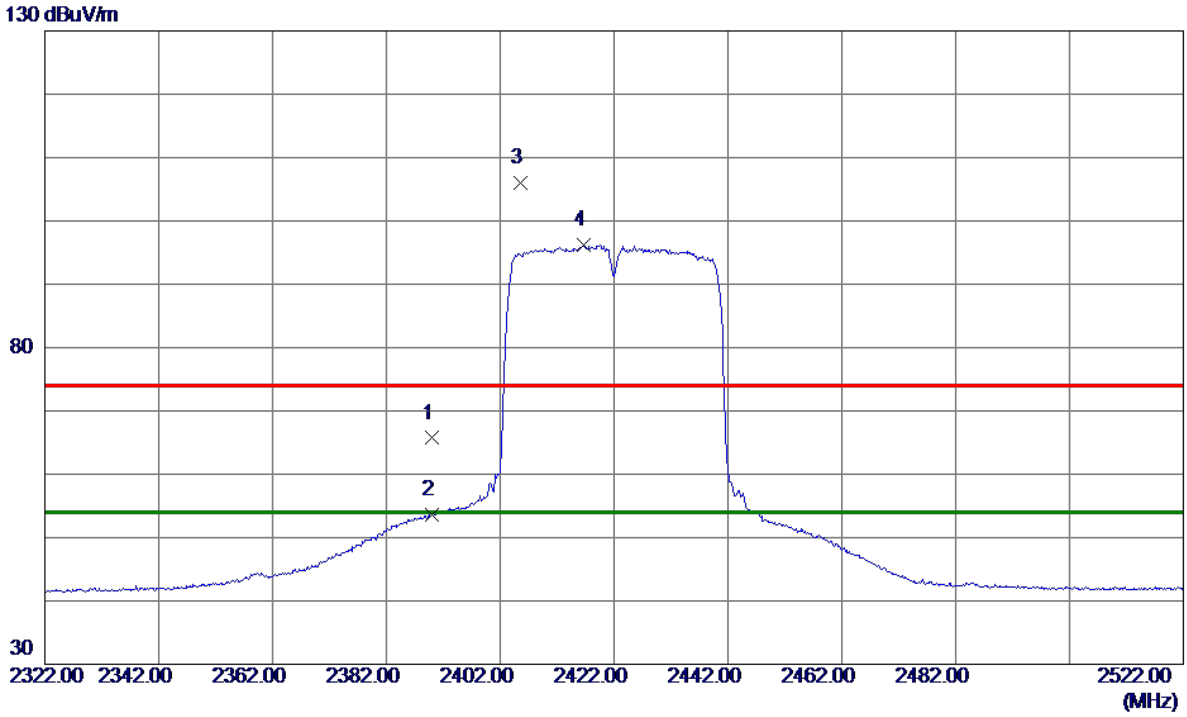
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.1100	40.37	8.26	48.63	54.00	-5.37	AVG	
2	4925.0250	50.88	8.26	59.14	74.00	-14.86	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	55.08	10.62	65.70	74.00	-8.30	Peak	
2	2390.0000	43.05	10.62	53.67	54.00	-0.33	AVG	
3	2405.5000	95.28	10.67	105.95	74.00	31.95	Peak	No Limit
4 *	2416.6000	85.46	10.70	96.16	54.00	42.16	AVG	No Limit

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

Test Mode:	TX N-40M Mode 2422MHz

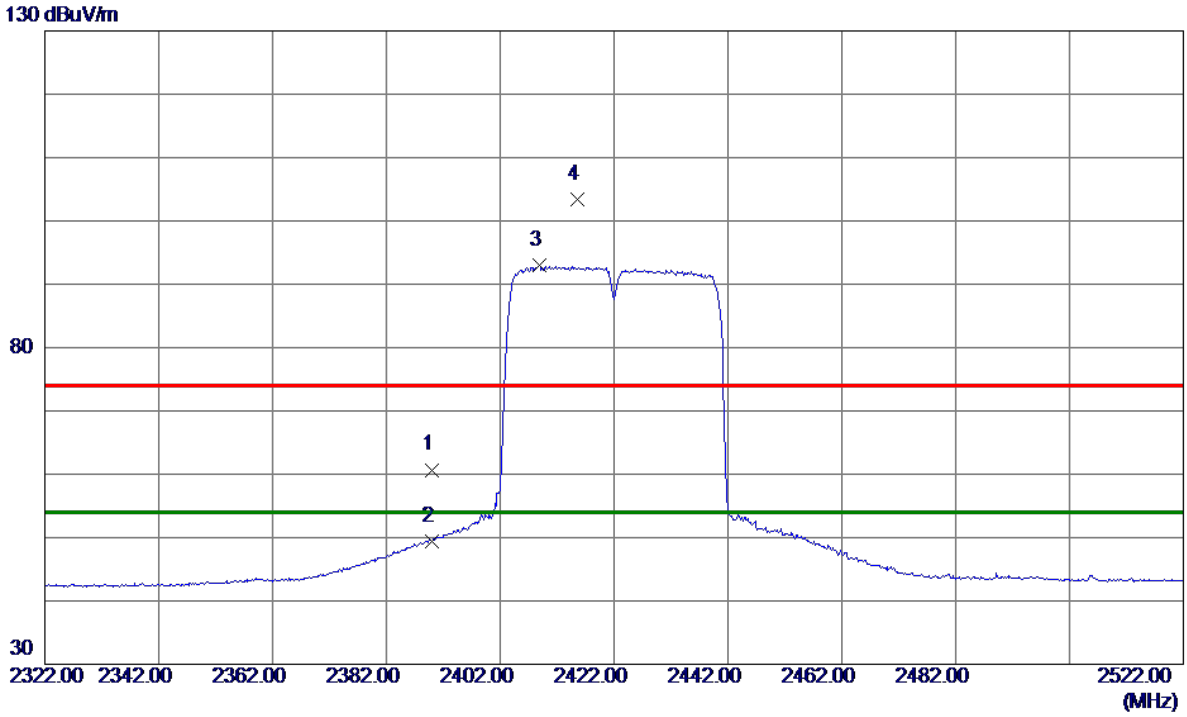
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4843.9600	36.75	7.94	44.69	54.00	-9.31	AVG	
2	4844.6300	52.20	7.94	60.14	74.00	-13.86	Peak	

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

Test Mode:	TX N-40M Mode 2422MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	50.08	10.62	60.70	74.00	-13.30	Peak	
2	2390.0000	38.87	10.62	49.49	54.00	-4.51	AVG	
3 *	2408.9000	82.34	10.68	93.02	54.00	39.02	AVG	No Limit
4	2415.5000	92.71	10.70	103.41	74.00	29.41	Peak	No Limit

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

Test Mode:	TX N-40M Mode 2422MHz

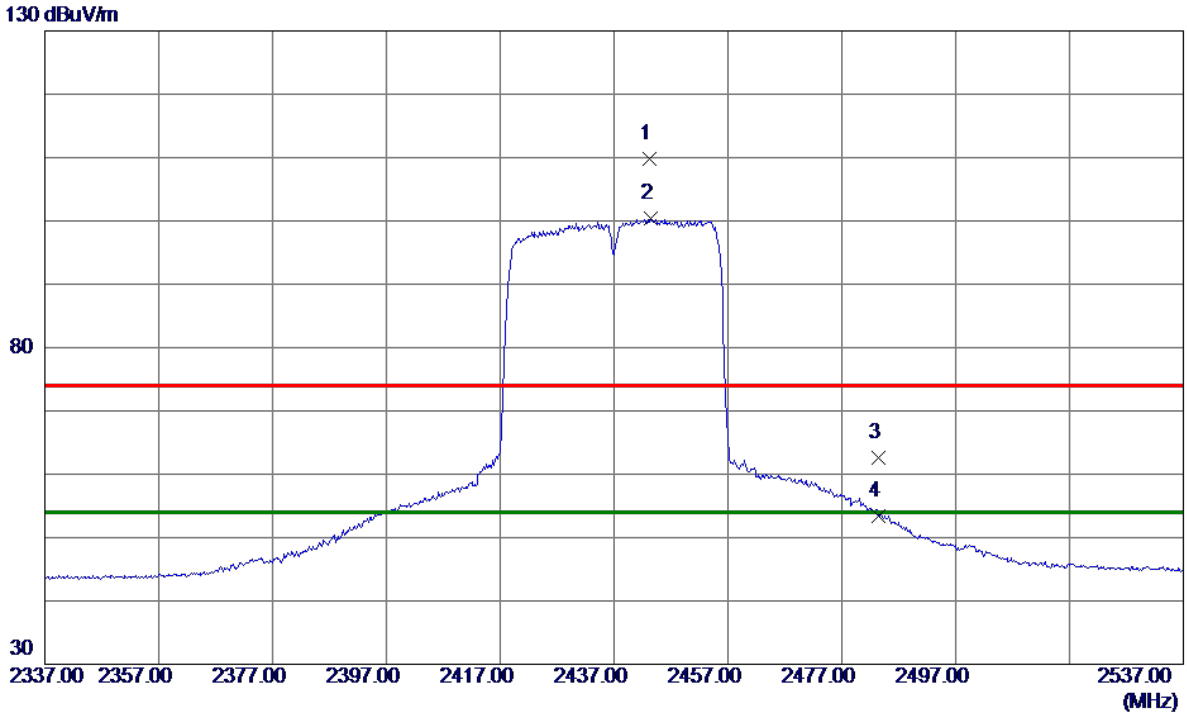
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4843.5299	35.06	7.94	43.00	54.00	-11.00	AVG	
2	4847.2400	45.35	7.95	53.30	74.00	-20.70	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	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2443.3000	98.99	10.78	109.77	74.00	35.77	Peak	No Limit
2 *	2443.5000	89.58	10.78	100.36	54.00	46.36	AVG	No Limit
3	2483.5000	51.71	10.90	62.61	74.00	-11.39	Peak	
4	2483.5000	42.52	10.90	53.42	54.00	-0.58	AVG	

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

Test Mode:	TX N-40M Mode 2437 MHz

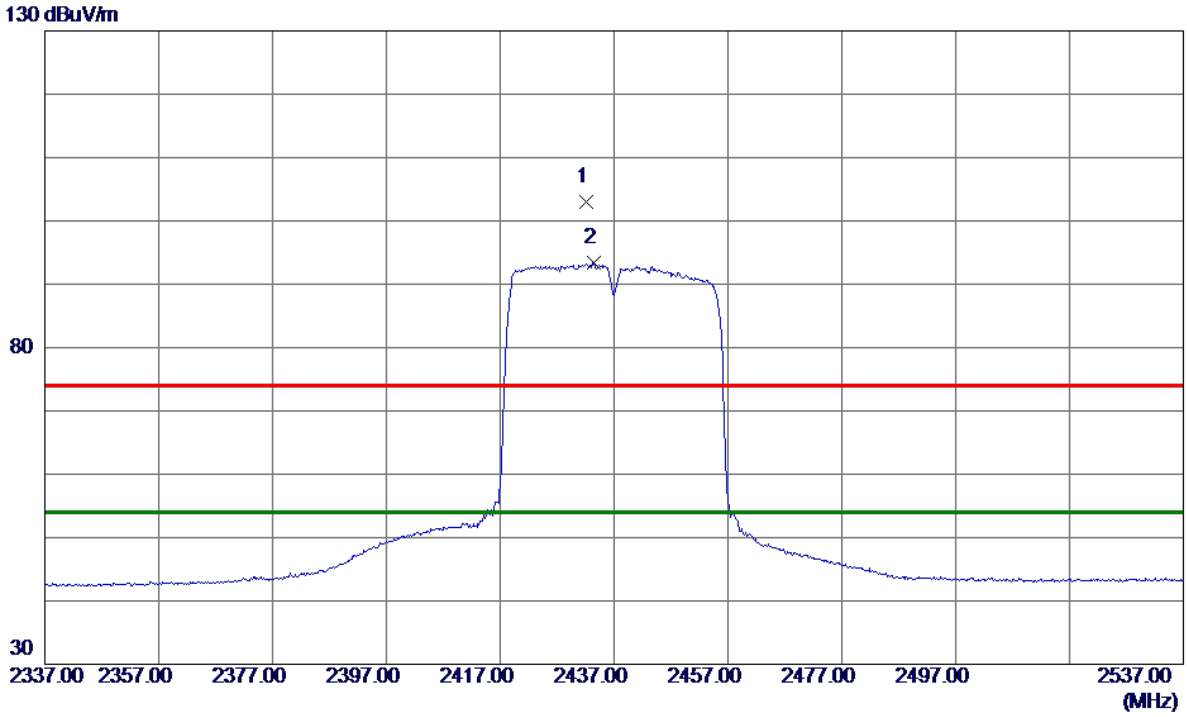
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.8000	39.03	8.06	47.09	54.00	-6.91	AVG	
2	4877.0550	51.68	8.07	59.75	74.00	-14.25	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	2432.2000	92.34	10.75	103.09	74.00	29.09	Peak	No Limit
2 *	2433.4000	82.61	10.75	93.36	54.00	39.36	AVG	No Limit

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

Test Mode:	TX N-40M Mode 2437 MHz

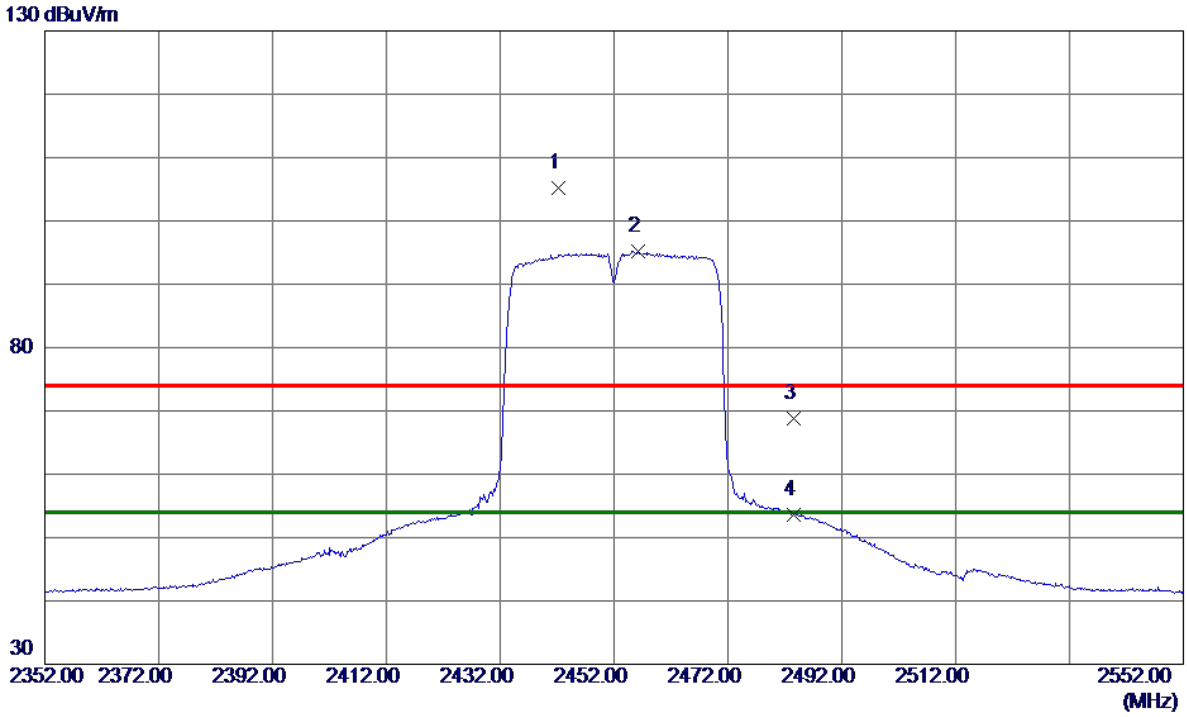
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.9150	36.38	8.06	44.44	54.00	-9.56	AVG	
2	4874.6450	48.57	8.06	56.63	74.00	-17.37	Peak	

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	2442.2000	94.39	10.78	105.17	74.00	31.17	Peak	No Limit
2 *	2456.2000	84.40	10.82	95.22	54.00	41.22	AVG	No Limit
3	2483.5000	57.88	10.90	68.78	74.00	-5.22	Peak	
4	2483.5000	42.72	10.90	53.62	54.00	-0.38	AVG	

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

Test Mode:	TX N-40M Mode 2452 MHz

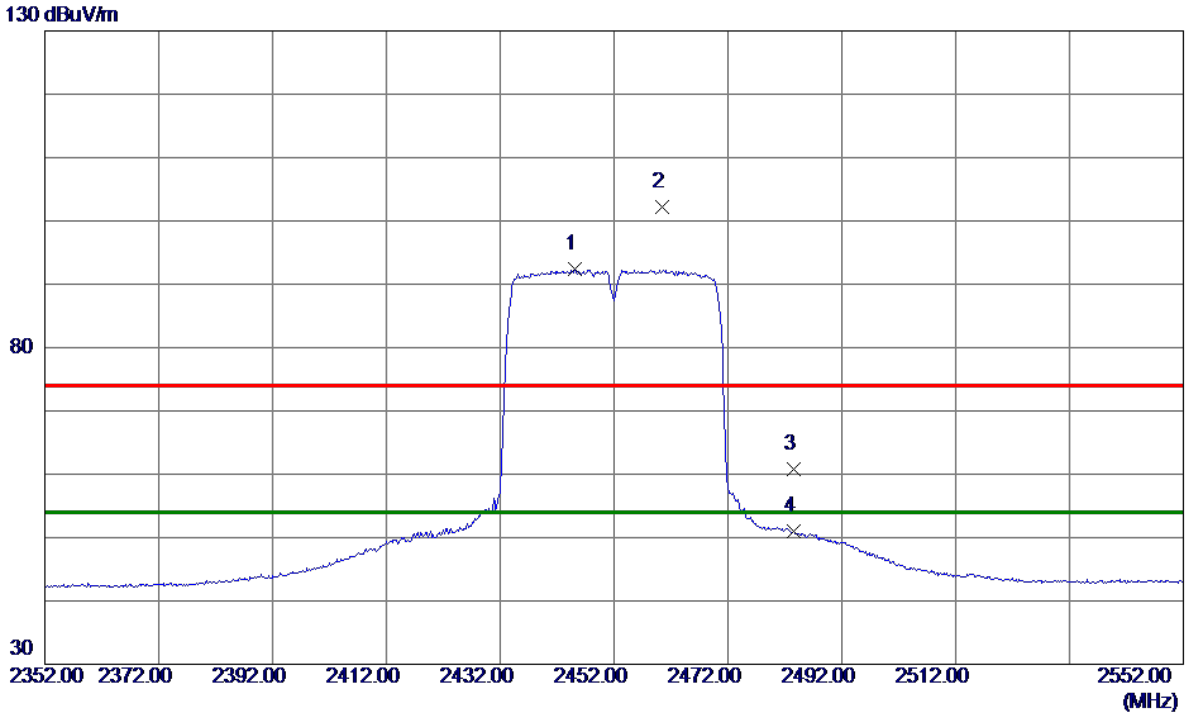
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4902.8250	40.56	8.17	48.73	54.00	-5.27	AVG	
2	4906.0450	49.58	8.19	57.77	74.00	-16.23	Peak	

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

Test Mode:	TX N-40M Mode 2452 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2445.1000	81.52	10.79	92.31	54.00	38.31	AVG	No Limit
2	2460.5000	91.34	10.83	102.17	74.00	28.17	Peak	No Limit
3	2483.5000	49.89	10.90	60.79	74.00	-13.21	Peak	
4	2483.5000	40.02	10.90	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 N-40M Mode 2452 MHz

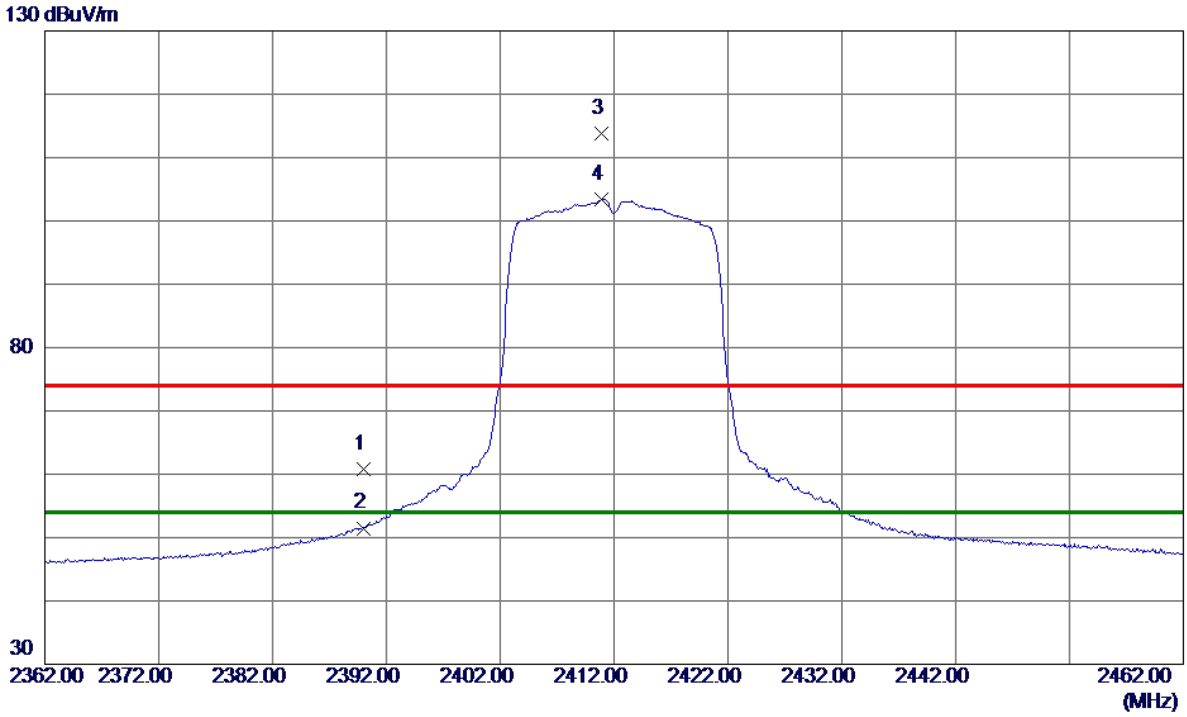
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4903.6450	49.12	8.18	57.30	74.00	-16.70	Peak	
2 *	4905.0150	39.75	8.18	47.93	54.00	-6.07	AVG	

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

Test Mode:	TX AX-20M Mode 2412 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	52.53	8.29	60.82	74.00	-13.18	Peak	
2	2390.0000	43.21	8.29	51.50	54.00	-2.50	AVG	
3	2410.9000	105.41	8.31	113.72	74.00	39.72	Peak	No Limit
4 *	2410.9000	95.13	8.31	103.44	54.00	49.44	AVG	No Limit

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

Test Mode:	TX AX-20M Mode 2412 MHz

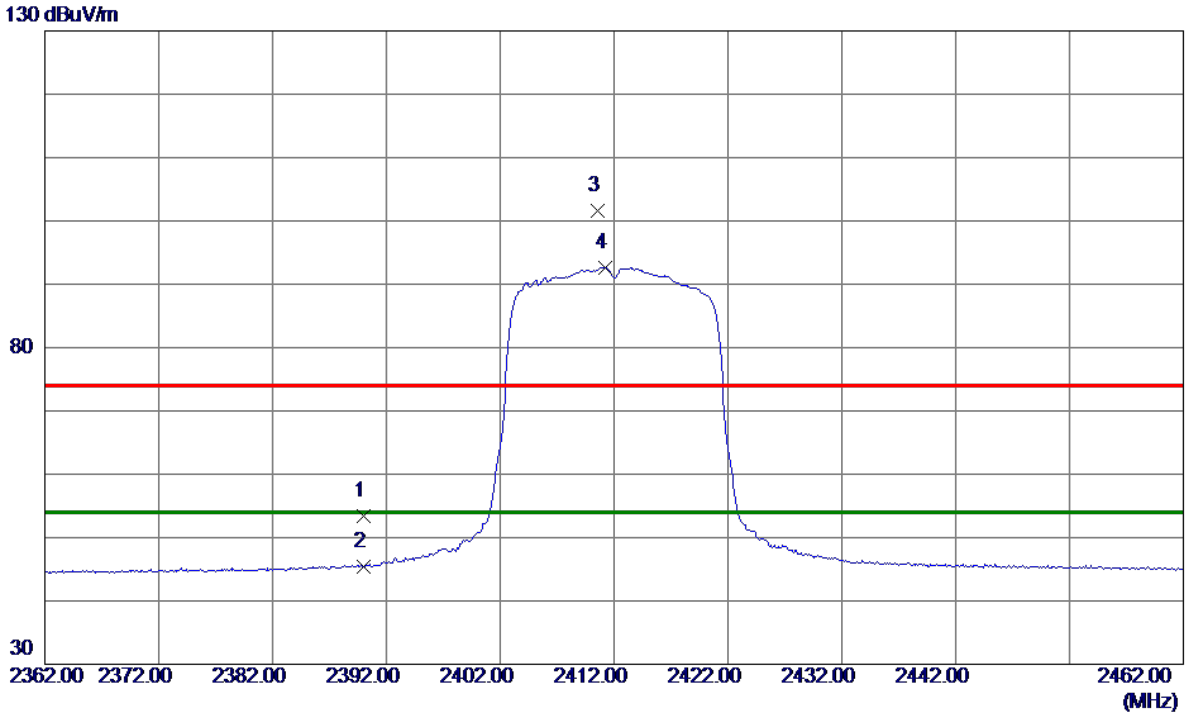
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.4200	46.48	5.32	51.80	54.00	-2.20	AVG	
2	4824.5800	56.89	5.32	62.21	74.00	-11.79	Peak	

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

Test Mode:	TX AX-20M Mode 2412 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	45.13	8.29	53.42	74.00	-20.58	Peak	
2	2390.0000	37.19	8.29	45.48	54.00	-8.52	AVG	
3	2410.6000	93.33	8.31	101.64	74.00	27.64	Peak	No Limit
4 *	2411.2000	84.38	8.31	92.69	54.00	38.69	AVG	No Limit

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

Test Mode:	TX AX-20M Mode 2412 MHz

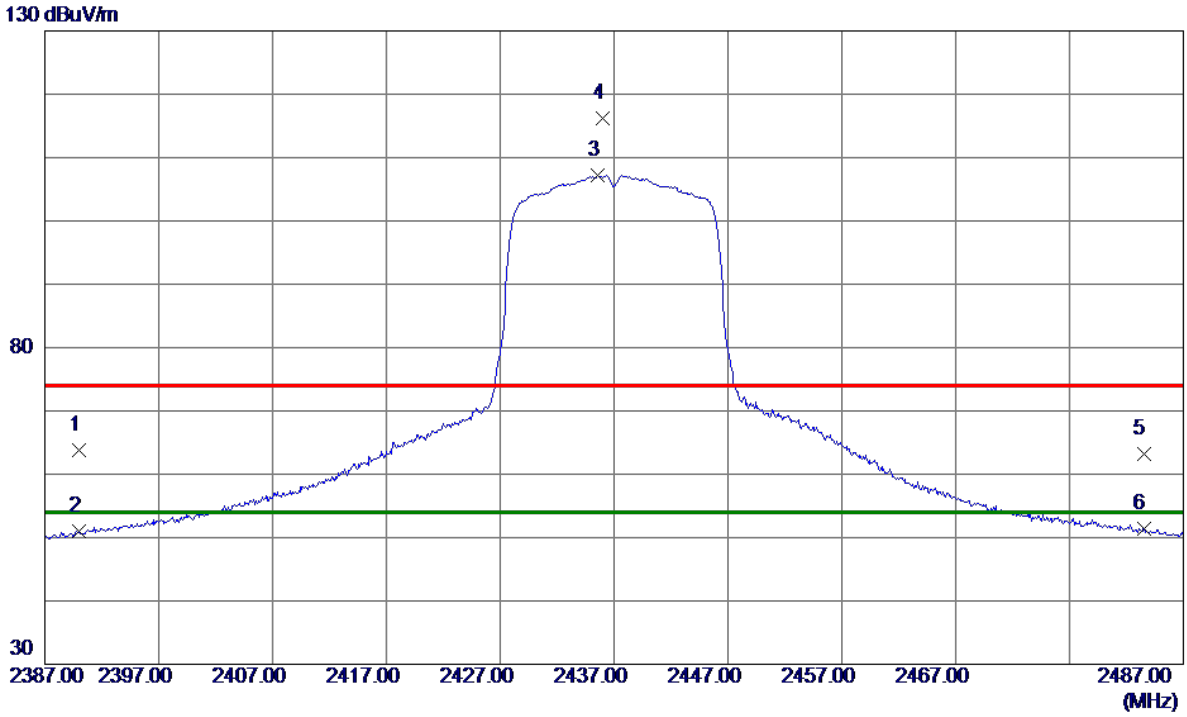
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.8200	50.24	5.32	55.56	74.00	-18.44	Peak	
2 *	4824.3100	37.64	5.32	42.96	54.00	-11.04	AVG	

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

Test Mode:	TX AX-20M Mode 2437 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	55.44	8.29	63.73	74.00	-10.27	Peak	
2	2390.0000	42.67	8.29	50.96	54.00	-3.04	AVG	
3 *	2435.6000	98.84	8.34	107.18	54.00	53.18	AVG	No Limit
4	2436.0000	107.88	8.34	116.22	74.00	42.22	Peak	No Limit
5	2483.5000	54.75	8.39	63.14	74.00	-10.86	Peak	
6	2483.5000	42.93	8.39	51.32	54.00	-2.68	AVG	

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

Test Mode:	TX AX-20M Mode 2437 MHz

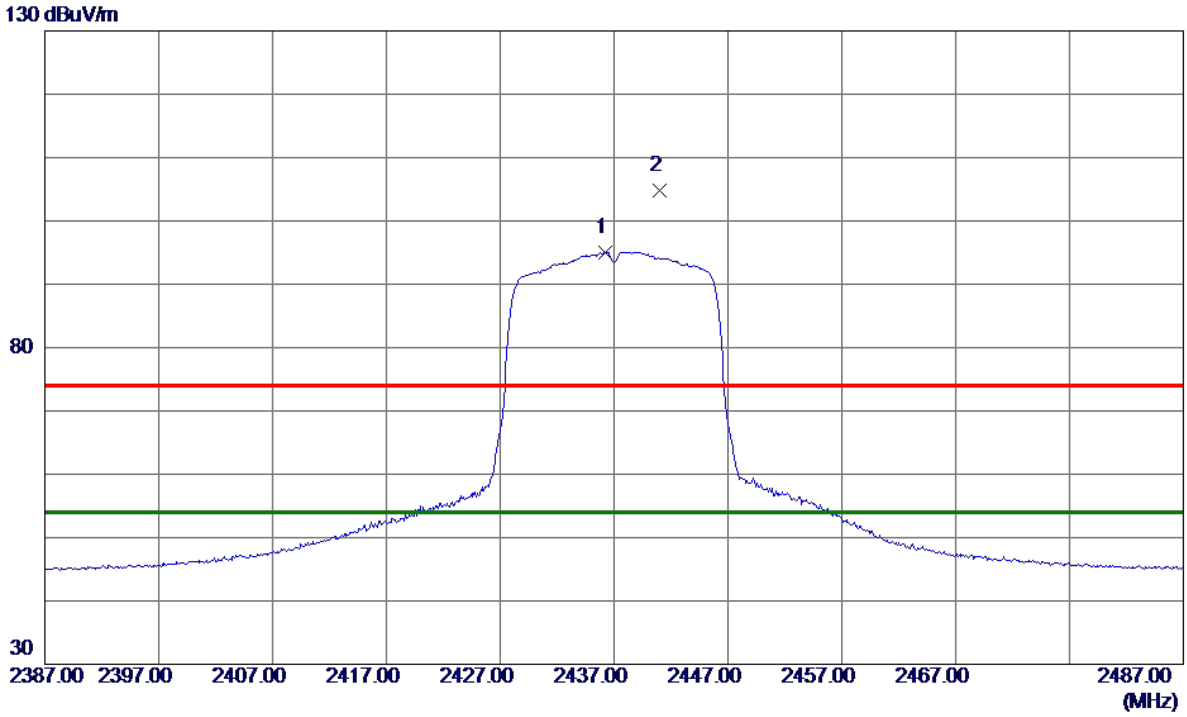
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.6800	59.56	5.46	65.02	74.00	-8.98	Peak	
2 *	4874.2700	46.21	5.46	51.67	54.00	-2.33	AVG	

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

Test Mode:	TX AX-20M Mode 2437 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2436.2000	86.75	8.34	95.09	54.00	41.09	AVG	No Limit
2	2441.0000	96.52	8.34	104.86	74.00	30.86	Peak	No Limit

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

Test Mode:	TX AX-20M Mode 2437 MHz

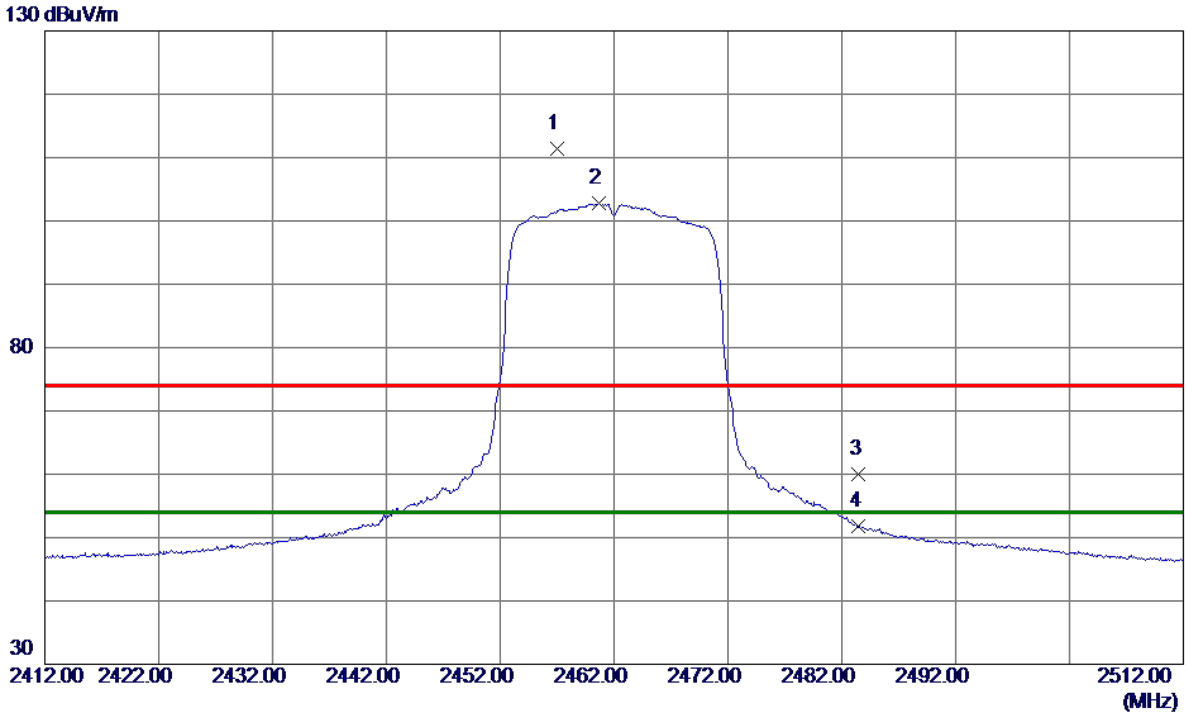
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.2799	53.40	5.46	58.86	74.00	-15.14	Peak	
2 *	4873.8760	40.06	5.46	45.52	54.00	-8.48	AVG	

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

Test Mode:	TX AX-20M Mode 2462 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2457.0000	103.05	8.36	111.41	74.00	37.41	Peak	No Limit
2 *	2460.7000	94.36	8.36	102.72	54.00	48.72	AVG	No Limit
3	2483.5000	51.70	8.39	60.09	74.00	-13.91	Peak	
4	2483.5000	43.50	8.39	51.89	54.00	-2.11	AVG	

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

Test Mode:	TX AX-20M Mode 2462 MHz

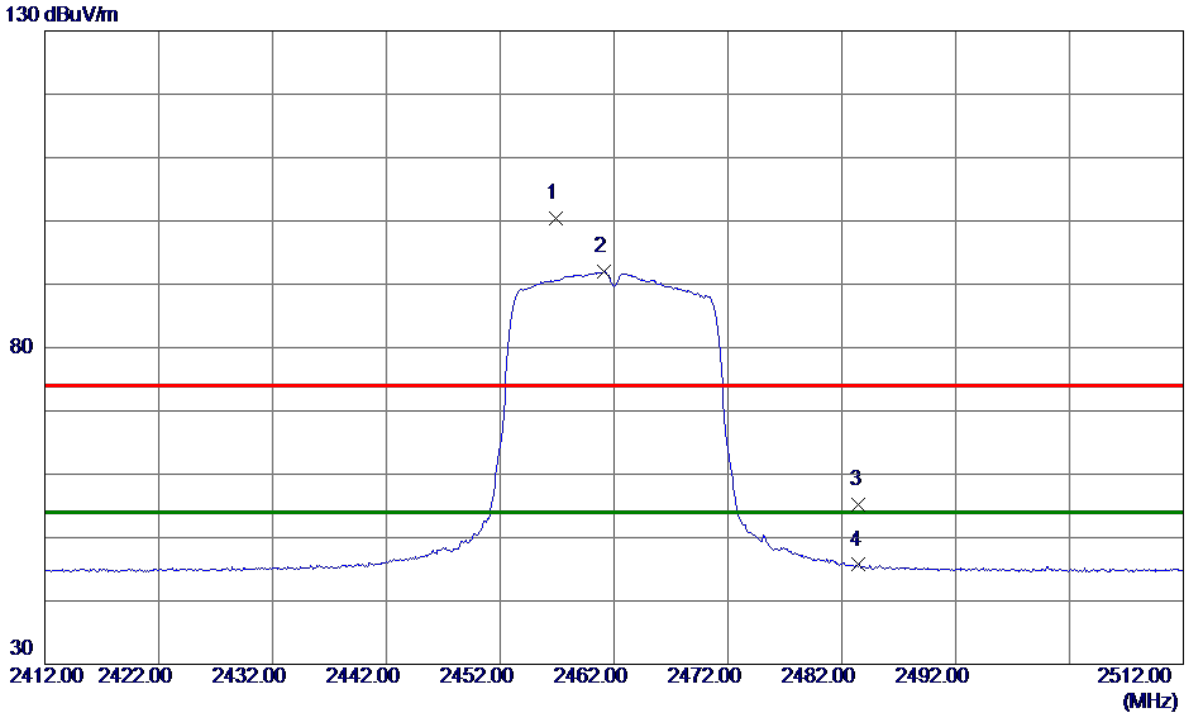
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923.0500	45.96	5.59	51.55	54.00	-2.45	AVG	
2	4924.7599	58.51	5.60	64.11	74.00	-9.89	Peak	

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

Test Mode:	TX AX-20M Mode 2462 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2456.9000	92.06	8.36	100.42	74.00	26.42	Peak	No Limit
2 *	2461.1000	83.56	8.36	91.92	54.00	37.92	AVG	No Limit
3	2483.5000	46.75	8.39	55.14	74.00	-18.86	Peak	
4	2483.5000	37.31	8.39	45.70	54.00	-8.30	AVG	

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

Test Mode:	TX AX-20M Mode 2462 MHz

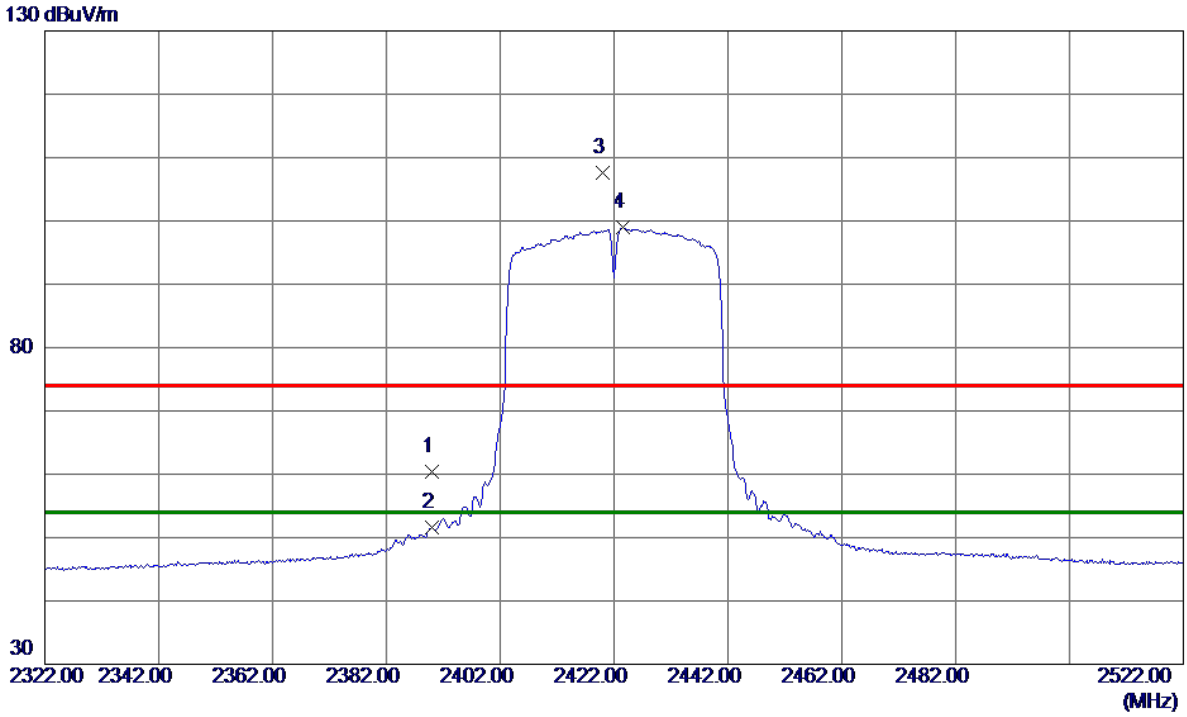
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.6060	50.18	5.59	55.77	74.00	-18.23	Peak	
2 *	4924.9300	37.81	5.60	43.41	54.00	-10.59	AVG	

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

Test Mode:	TX AX-40M Mode 2422MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	52.15	8.29	60.44	74.00	-13.56	Peak	
2	2390.0000	43.30	8.29	51.59	54.00	-2.41	AVG	
3	2420.0000	99.21	8.32	107.53	74.00	33.53	Peak	No Limit
4 *	2423.6000	90.65	8.32	98.97	54.00	44.97	AVG	No Limit

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

Test Mode:	TX AX-40M Mode 2422MHz

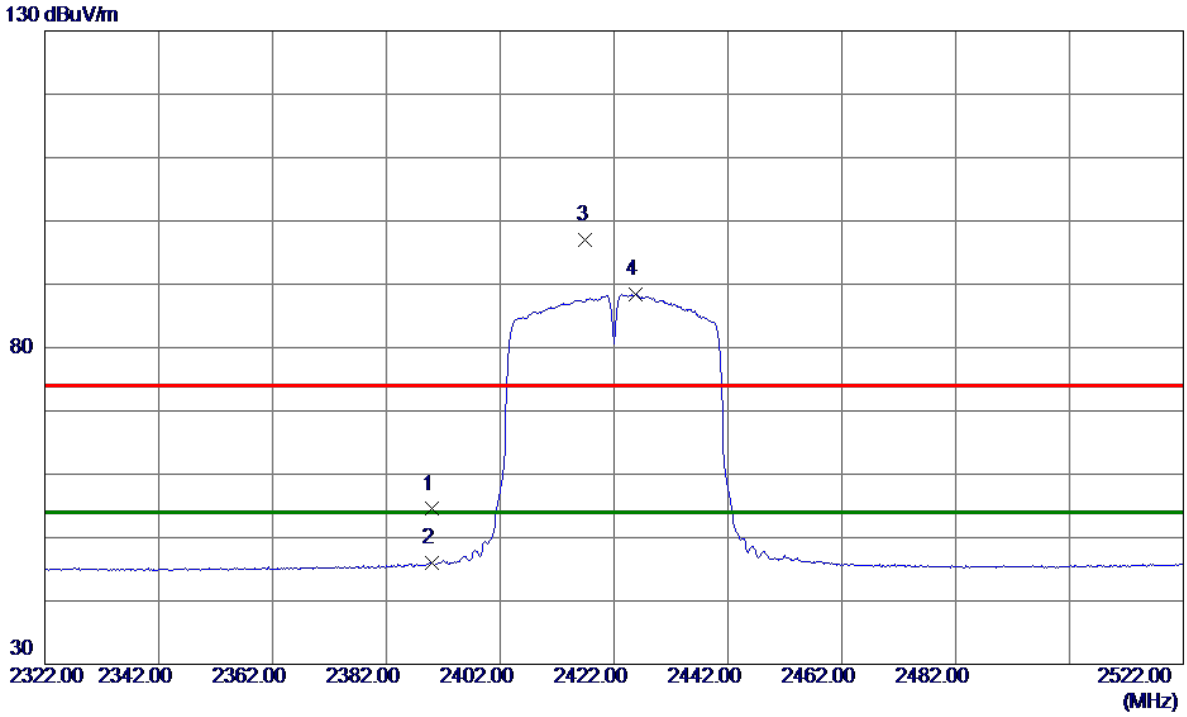
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4843.3400	40.63	5.38	46.01	54.00	-7.99	AVG	
2	4844.7200	52.39	5.38	57.77	74.00	-16.23	Peak	

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

Test Mode:	TX AX-40M Mode 2422MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	46.21	8.29	54.50	74.00	-19.50	Peak	
2	2390.0000	37.74	8.29	46.03	54.00	-7.97	AVG	
3	2417.0000	88.61	8.32	96.93	74.00	22.93	Peak	No Limit
4 *	2425.8000	79.99	8.33	88.32	54.00	34.32	AVG	No Limit

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

Test Mode:	TX AX-40M Mode 2422MHz

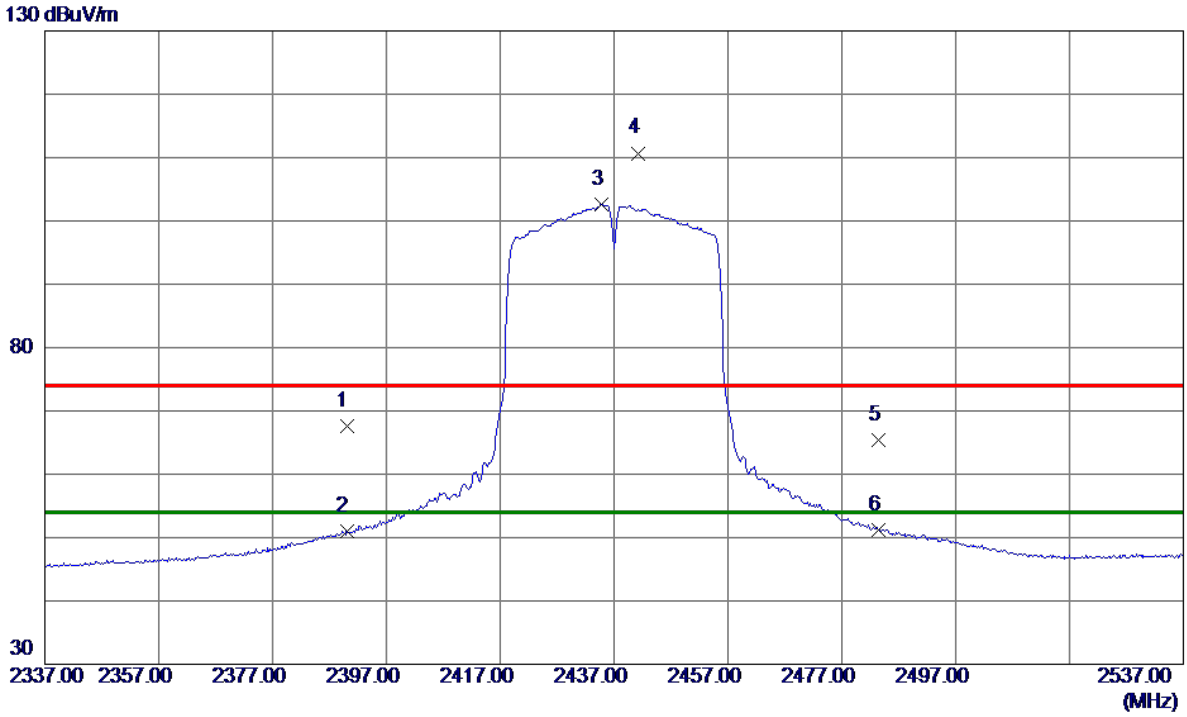
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4841.0700	44.15	5.37	49.52	74.00	-24.48	Peak	
2 *	4843.8400	32.71	5.38	38.09	54.00	-15.91	AVG	

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

Test Mode:	TX AX-40M Mode 2437 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	59.33	8.29	67.62	74.00	-6.38	Peak	
2	2390.0000	42.77	8.29	51.06	54.00	-2.94	AVG	
3 *	2434.8000	94.22	8.34	102.56	54.00	48.56	AVG	No Limit
4	2441.2000	102.36	8.34	110.70	74.00	36.70	Peak	No Limit
5	2483.5000	57.04	8.39	65.43	74.00	-8.57	Peak	
6	2483.5000	42.81	8.39	51.20	54.00	-2.80	AVG	

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

Test Mode:	TX AX-40M Mode 2437 MHz

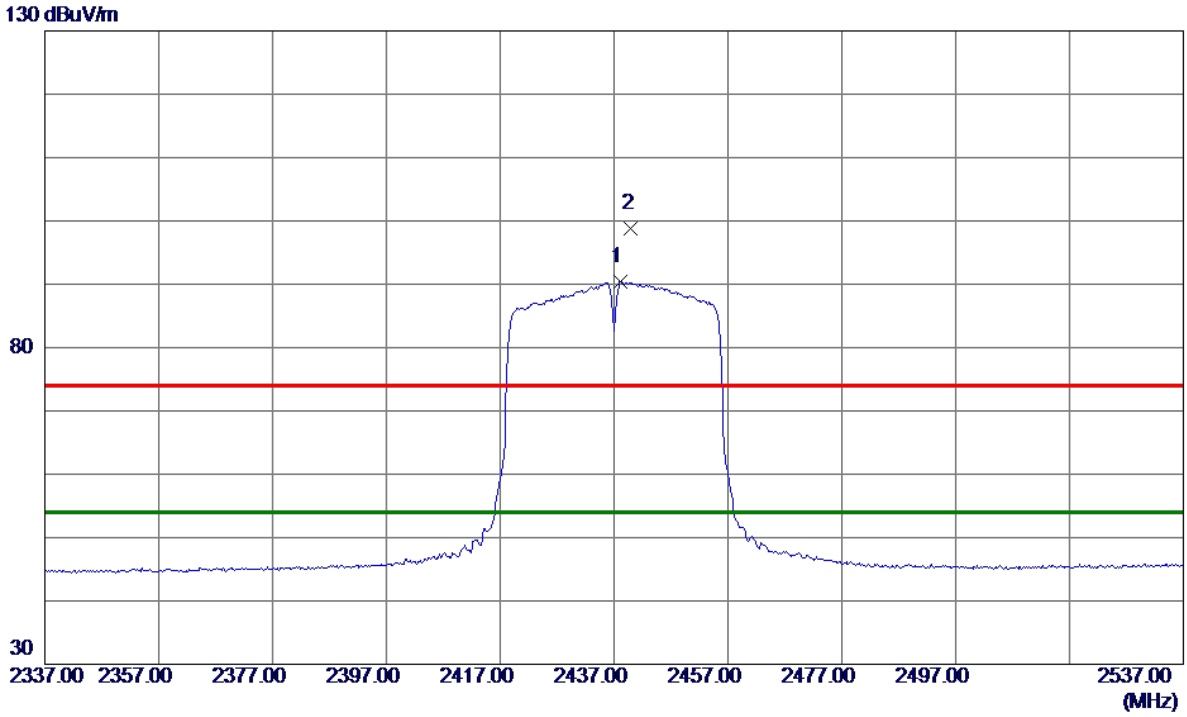
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.0299	42.55	5.46	48.01	54.00	-5.99	AVG	
2	4875.4000	54.82	5.46	60.28	74.00	-13.72	Peak	

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

Test Mode:	TX AX-40M Mode 2437 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2438.2000	82.03	8.34	90.37	54.00	36.37	AVG	No Limit
2	2440.0000	90.46	8.34	98.80	74.00	24.80	Peak	No Limit

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

Test Mode:	TX AX-40M Mode 2437 MHz

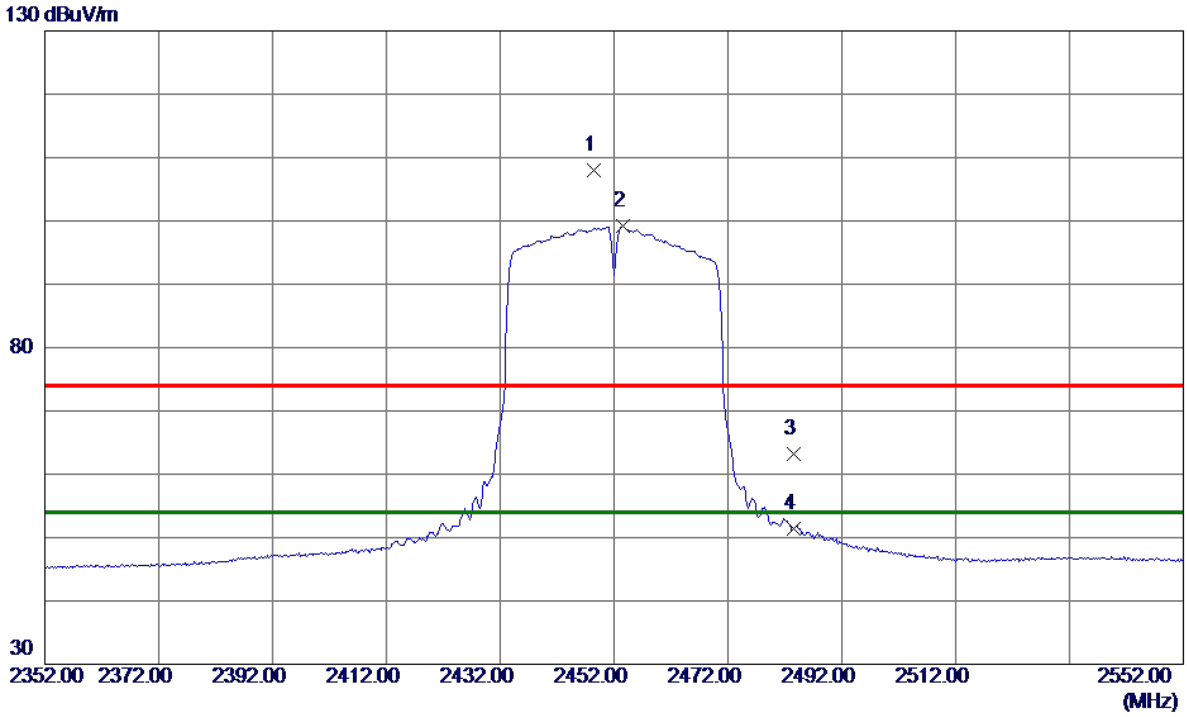
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.4400	49.14	5.46	54.60	74.00	-19.40	Peak	
2 *	4873.8700	37.93	5.46	43.39	54.00	-10.61	AVG	

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

Test Mode:	TX AX-40M Mode 2452 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2448.4000	99.73	8.35	108.08	74.00	34.08	Peak	No Limit
2 *	2453.6000	90.89	8.36	99.25	54.00	45.25	AVG	No Limit
3	2483.5000	54.84	8.39	63.23	74.00	-10.77	Peak	
4	2483.5000	42.99	8.39	51.38	54.00	-2.62	AVG	

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

Test Mode:	TX AX-40M Mode 2452 MHz

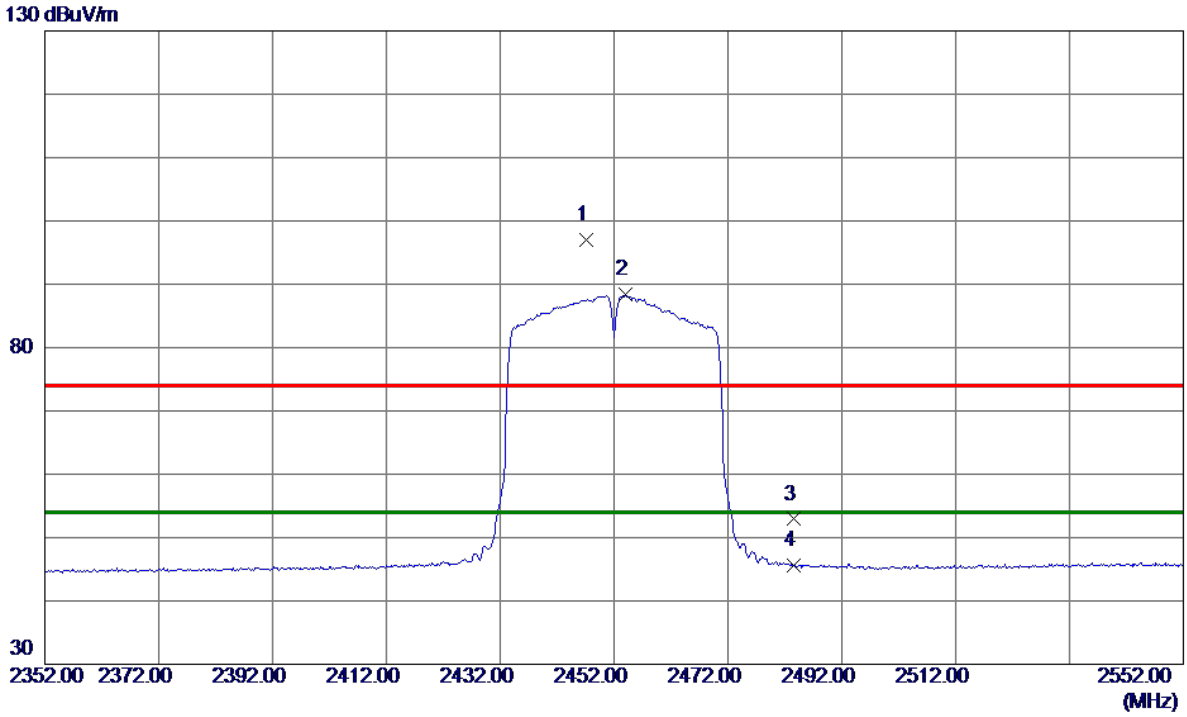
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4904.2300	38.95	5.54	44.49	54.00	-9.51	AVG	
2	4905.2700	50.64	5.54	56.18	74.00	-17.82	Peak	

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

Test Mode:	TX AX-40M Mode 2452 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2447.2000	88.73	8.35	97.08	74.00	23.08	Peak	No Limit
2 *	2454.0000	79.98	8.36	88.34	54.00	34.34	AVG	No Limit
3	2483.5000	44.51	8.39	52.90	74.00	-21.10	Peak	
4	2483.5000	37.21	8.39	45.60	54.00	-8.40	AVG	

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

Test Mode:	TX AX-40M Mode 2452 MHz

Horizontal

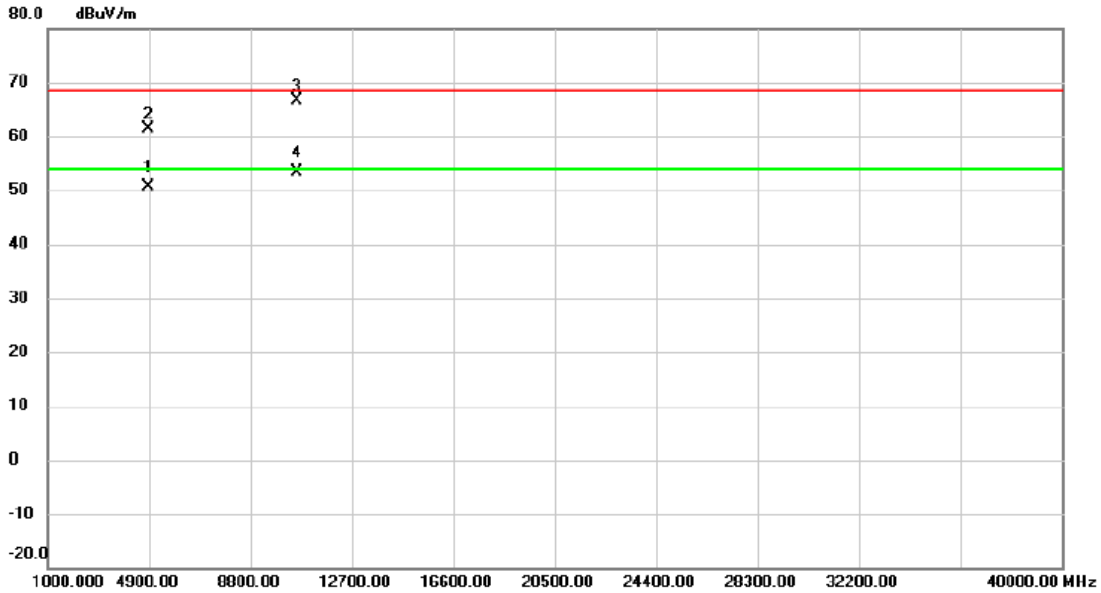
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4903.9600	46.23	5.54	51.77	74.00	-22.23	Peak	
2 *	4907.1200	33.27	5.55	38.82	54.00	-15.18	AVG	

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

The worst case of simultaneous transmission:

Test Mode:	TX WLAN 2.4G N20 Mode 2412MHz + WLAN 5G AX20 Mode 5300MHz

Vertical

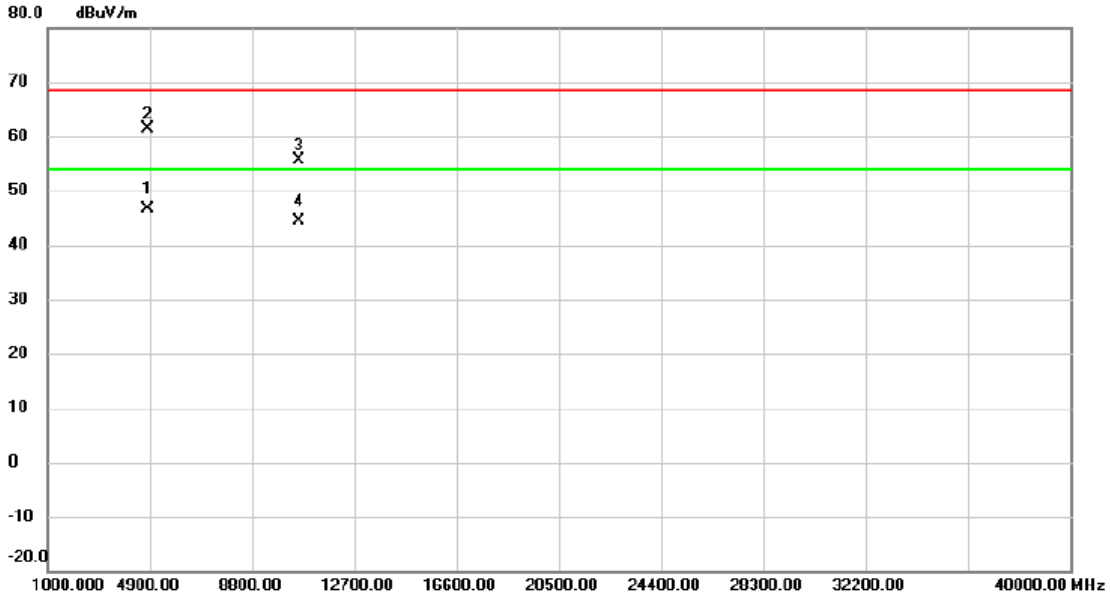


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.320	45.12	5.46	50.58	54.00	-3.42	AVG	
2		4874.886	55.93	5.46	61.39	68.30	-6.91	peak	
3		10600.015	53.00	13.70	66.70	68.30	-1.60	peak	
4	*	10600.336	39.69	13.70	53.39	54.00	-0.61	AVG	

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

Test Mode:	TX WLAN 2.4G N20 Mode 2412MHz + WLAN 5G AX20 Mode 5300MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.058	41.43	5.32	46.75	54.00	-7.25	AVG	
2	*	4825.625	56.05	5.33	61.38	68.30	-6.92	peak	
3		10599.635	41.88	13.70	55.58	68.30	-12.72	peak	
4		10600.085	30.63	13.70	44.33	54.00	-9.67	AVG	

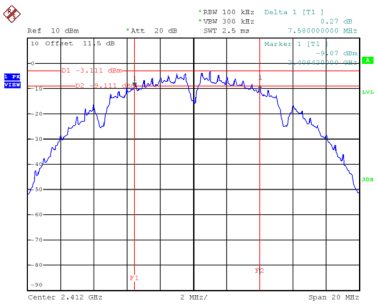
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	TX B Mode

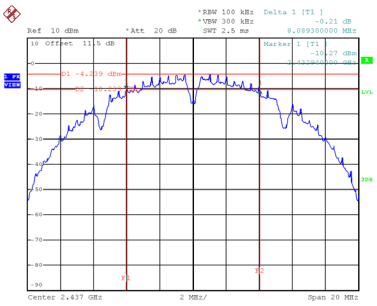
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	7.58	500	Complies
06	2437	8.09	500	Complies
11	2462	8.08	500	Complies

CH01



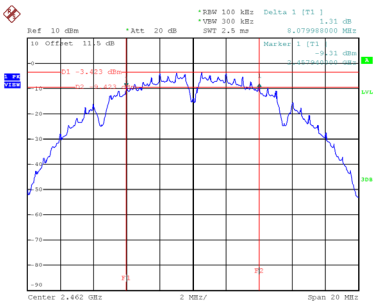
Date: 12.OCT.2020 23:36:32

CH06



Date: 12.OCT.2020 23:38:07

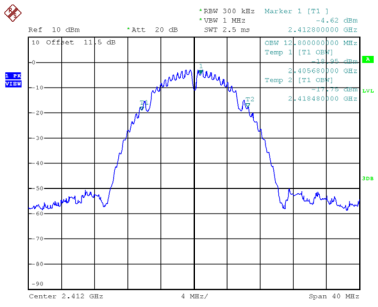
CH11



Date: 12.OCT.2020 23:40:54

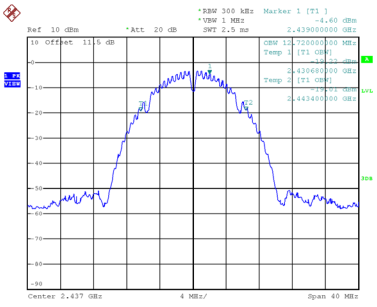
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	12.80	Complies
06	2437	12.72	Complies
11	2462	12.80	Complies

CH01



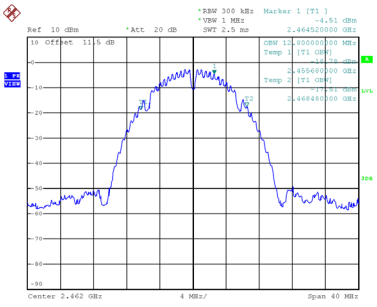
Date: 12.OCT.2020 23:36:38

CH06



Date: 12.OCT.2020 23:38:13

CH11

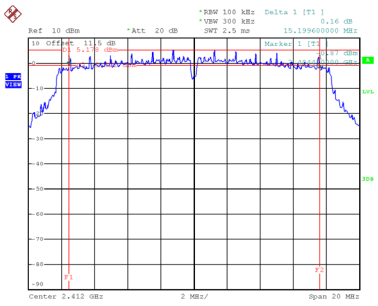


Date: 12.OCT.2020 23:41:00

Test Mode	TX G Mode

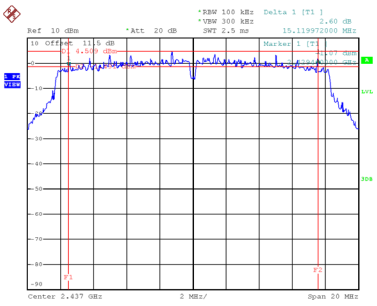
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	15.20	500	Complies
06	2437	15.12	500	Complies
11	2462	15.16	500	Complies

CH01



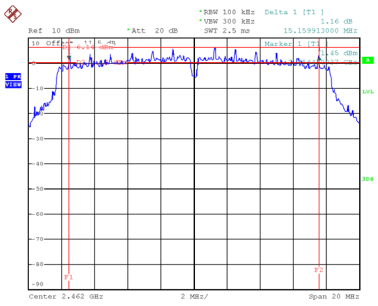
Date: 12.OCT.2020 23:42:55

CH06



Date: 12.OCT.2020 23:44:33

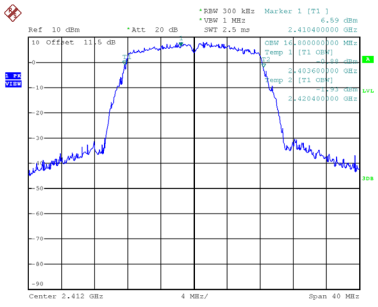
CH11



Date: 12.OCT.2020 23:47:00

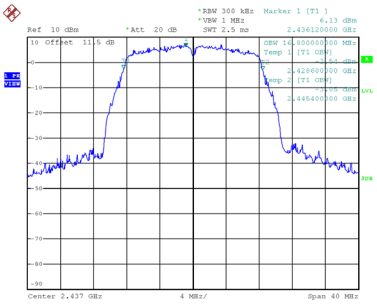
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	16.80	Complies
06	2437	16.80	Complies
11	2462	16.72	Complies

CH01



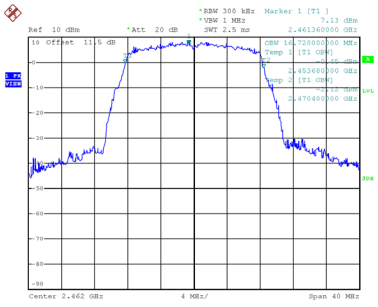
Date: 12.OCT.2020 23:43:02

CH06



Date: 12.OCT.2020 23:44:39

CH11

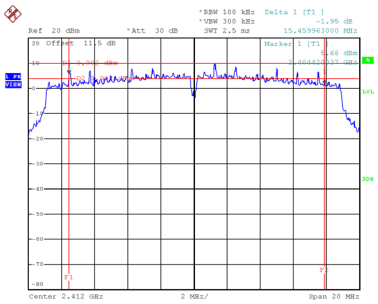


Date: 12.OCT.2020 23:47:06

Test Mode	TX N-20M Mode

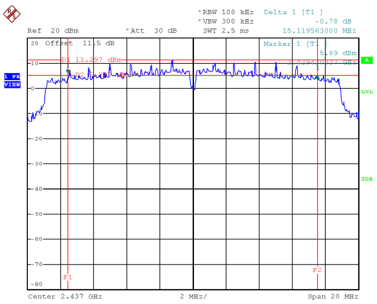
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	15.46	500	Complies
06	2437	15.12	500	Complies
11	2462	15.14	500	Complies

CH01



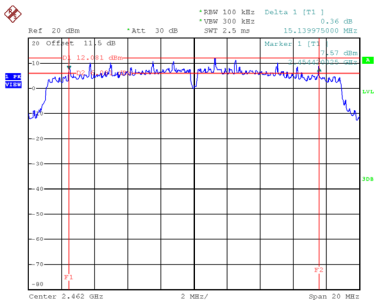
Date: 13.OCT.2020 17:19:33

CH06



Date: 12.OCT.2020 00:46:21

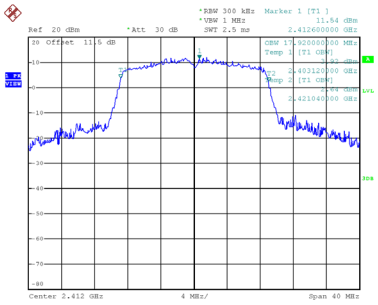
CH11



Date: 12.OCT.2020 00:48:05

Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	17.92	Complies
06	2437	19.68	Complies
11	2462	19.44	Complies

CH01



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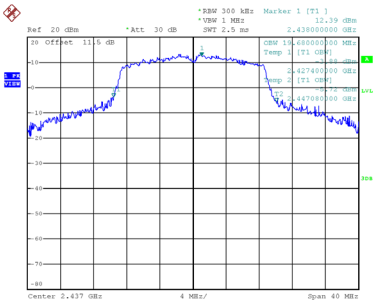
CH06



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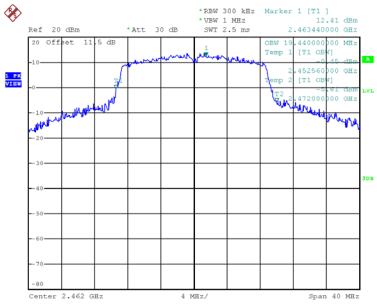
CH11

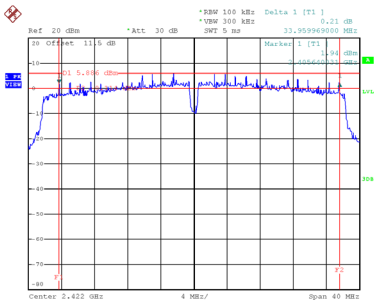


Date: 12.OCT.2020 00:48:11

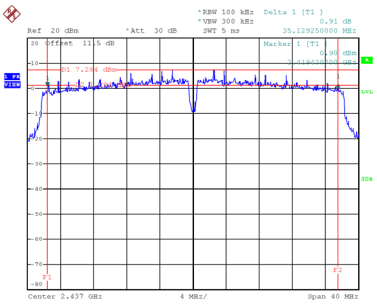
Test Mode	TX N-40M Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
03	2422	33.96	500	Complies
06	2437	35.13	500	Complies
09	2452	33.96	500	Complies

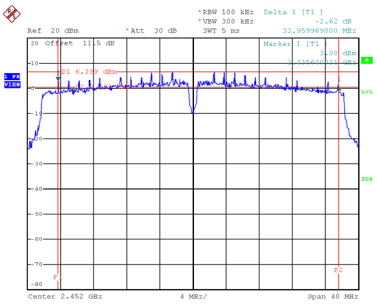
CH03



CH06

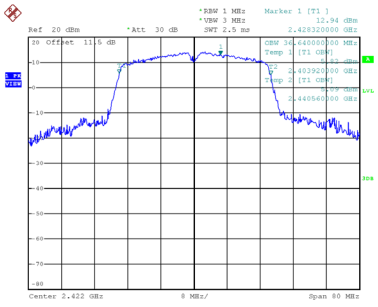


CH09

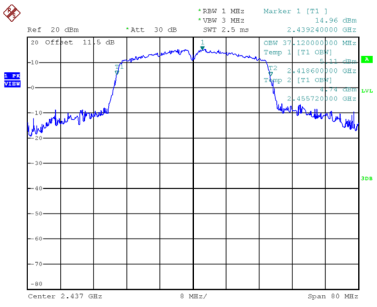


Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
03	2422	36.64	Complies
06	2437	37.12	Complies
09	2452	36.80	Complies

CH03



CH06



CH09