FCC Radio Test Report

FCC ID: 2AXJ4EAP620HDV3

This report concerns: Original Grant

Project No.	:	2111C164
Equipment	:	AX1800 Ceiling Mount Wi-Fi 6 Access Point
Brand Name	:	tp-link
Test Model	:	EAP620 HD
Series Model	:	N/A
Applicant	:	TP-Link Corporation Limited
Address	:	Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong
Manufacturer	:	TP-Link Corporation Limited
Address	:	Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong
Date of Receipt	:	Dec. 20, 2021
Date of Test	:	Dec. 22, 2021 ~ Jan. 24, 2022
Issued Date	:	Feb. 08, 2022
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG2021122114 for conducted and radiated emissions-9kHz to 30 MHz, DG2021122113 for radiated.
Standard(s)	:	FCC CFR Title 47, Part 15, Subpart C FCC KDB 558074 D01 15.247 Meas Guidance v05r02 FCC KDB 662911 D01 Multiple Transmitter Output v02r01 ANSI C63.10-2013

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

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TESTING CERT #5123.02

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Declaration

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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.	Feb. 08, 2022

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart C				
Standard(s) Section	**Test Item**	**Test Result**	**Judgment**	**Remark**
15.207	AC Power Line Conducted Emissions	APPENDIX A	PASS	------
15.247(d) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	------
15.247(a)(2)	Bandwidth	APPENDIX E	PASS	------
15.247(b)(3)	Maximum 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 Rd. Shixia, Dalang Town Dongguan City, Guangdong 523792 People's Republic of China.
BTL's Registration Number for FCC: 357015
BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

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

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.60

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB01	CISPR	9kHz ~ 30MHz	2.36

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.36
		30MHz ~ 200MHz	H	3.32
		200MHz ~ 1,000MHz	V	4.08
		200MHz ~ 1,000MHz	H	3.96

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (3m)	CISPR	1GHz ~ 6GHz	3.80
		6GHz ~ 18GHz	4.82

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (1m)	CISPR	18 ~ 26.5 GHz	3.62
		26.5 ~ 40 GHz	4.00

C. Other Measurement:

Test Item	Uncertainty
Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Conducted Spurious Emission	±2.71 dB
Power Spectral Density	±0.86 dB
Temperature	±0.08 °C
Humidity	±1.5%

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	23°C	60%	AC 120V/60Hz	Aries Tang
Radiated Emissions-9kHz to 30 MHz	20°C	53%	AC 120V/60Hz	Torocat Yuan
Radiated Emissions-30MHz to 1000MHz	22°C	54%	AC 120V/60Hz	Hayden Chen
Radiated Emissions-Above 1000MHz	22°C	54%	AC 120V/60Hz	Hayden Chen
Bandwidth	21°C	38%	AC120V/60Hz	Jesse Wang
Maximum Average Output Power	19.4°C-23.2°C	46%-48.8%	AC120V/60Hz	Longdage Feng
Conducted Spurious Emissions	21°C	38%	AC120V/60Hz	Jesse Wang
Power Spectral Density	21°C	38%	AC120V/60Hz	Jesse Wang

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AX1800 Ceiling Mount Wi-Fi 6 Access Point
Brand Name	tp-link
Test Model	EAP620 HD
Series Model	N/A
Model Difference(s)	N/A
Power Source	1# DC Voltage supplied from AC adapter. Model:T120150-2B1 2# Supplied from PoE.
Power Rating	1# I/P:100-240V~ 50/60Hz 0.6A O/P:12V ⎓ 1.5A 2# 802.3at PoE: 42.5-57V ⎓ 0.6A
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 Average Output Power_Non Beamforming	IEEE 802.11n(HT20): 25.57 dBm (0.3606 W)
Maximum Average Output Power_Beamforming	IEEE 802.11n(HT20): 25.02 dBm (0.3177 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. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	tp-link	N/A	PIFA	N/A	3
2	tp-link	N/A	PIFA	N/A	3

Note:

1) This EUT supports CDD, and all antennas have the same gain, Directional gain = G_{ANT}+Array Gain.
For power measurements, Array Gain=0dB ($N_{ANT} \leqslant 4$), so the Directional gain=3.
For power spectral density measurements, N_{ANT}=2, N_{SS} = 1.
So the Directional gain=G_{ANT}+Array Gain=G_{ANT}+10log(N_{ANT}/ N_{SS})dBi=3+10log(2/1)dBi=6.01.
Then, the power spectral density limit is 8-(6.01-6)=7.99.
2) Beamforming Gain: 3dB. Then Directional gain=3+3=6.
3) The antenna gain and beamforming gain are provided by the manufacturer.

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

For Beamforming:

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

2.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
Mode 5	TX AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) Mode Channel 03/06/09
Mode 7	TX N(HT20) Mode Channel 01
Mode 8	TX B Mode Channel 01/02/06/10/11
Mode 9	TX G Mode Channel 01/02/06/10/11
Mode 10	TX N(HT20) Mode Channel 01/02/06/10/11
Mode 11	TX N(HT40) Mode Channel 03/04/06/08/09
Mode 12	TX AX(HE20) Mode Channel 01/02/06/10/11
Mode 13	TX AX(HE40) Mode Channel 03/04/06/08/09

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(HT20) Mode Channel 01

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 7	TX N(HT20) Mode Channel 01

Radiated emissions test- Above 1GHz_Non Beamforming	
Final Test Mode	Description
Mode 8	TX B Mode Channel 01/02/06/10/11
Mode 9	TX G Mode Channel 01/02/06/10/11
Mode 10	TX N(HT20) Mode Channel 01/02/06/10/11
Mode 11	TX N(HT40) Mode Channel 03/04/06/08/09
Mode 12	TX AX(HE20) Mode Channel 01/02/06/10/11
Mode 13	TX AX(HE40) Mode Channel 03/04/06/08/09

Maximum Average Output Power test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
Mode 5	TX AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) Mode Channel 03/06/09

Maximum Average Output Power test_Beamforming	
Final Test Mode	Description
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
Mode 5	TX AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) Mode Channel 03/06/09

Other Conducted test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
Mode 5	TX AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) Mode Channel 03/06/09

NOTE:
(1) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
(2) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX N(HT20) Mode Channel 01 is found to be the worst case and recorded.
(3) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
(4) The measurements for Output Power are tested, the Non Beamforming and Beamforming are recorded in the report. The worst case is Non Beamforming and only the worst case is documented for other test items.
(5) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.
(6) For radiated emission below 1 GHz test, Adapter Supply and PoE Supply are tested, the worst case is Adapter Supply and recorded.
(7) For radiated emission test, every axis (X, Y, Z) are verified. The test results shown in the following sections represent the worst case emissions.

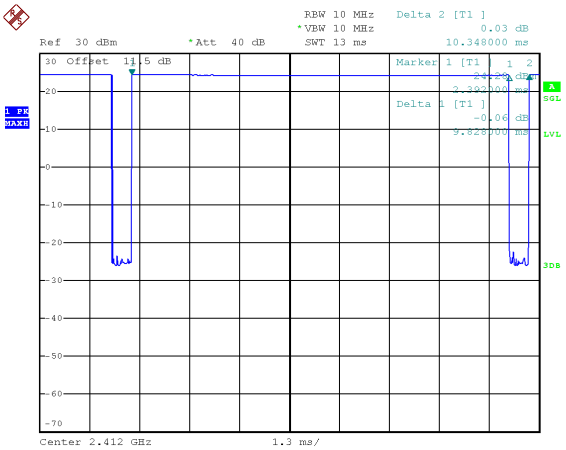
2.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	QSPR v 5.0-00188

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.

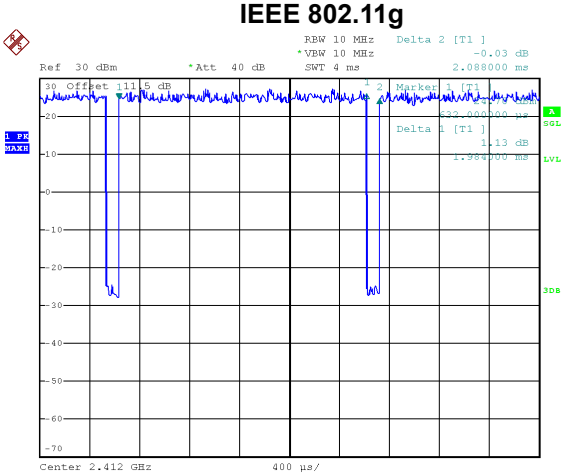
IEEE 802.11b



Date: 5.JAN.2022 10:07:35

Duty cycle = 9.828 ms / 10.348 ms = 94.97%
Duty Factor = 10 log(1/Duty cycle) = 0.22

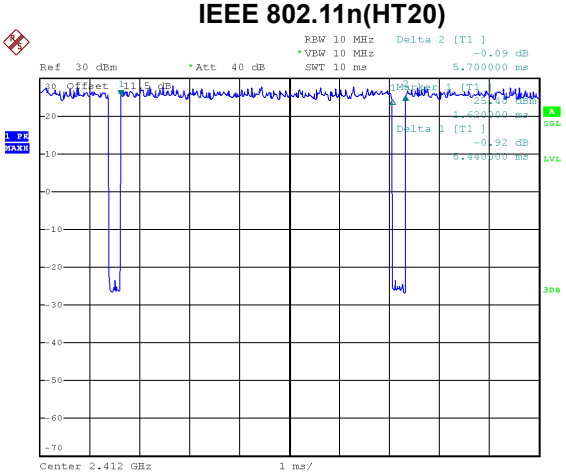
IEEE 802.11g



Date: 28.DEC.2021 17:07:34

Duty cycle = 1.984 ms / 2.088 ms = 95.02%
Duty Factor = 10 log(1/Duty cycle) = 0.22

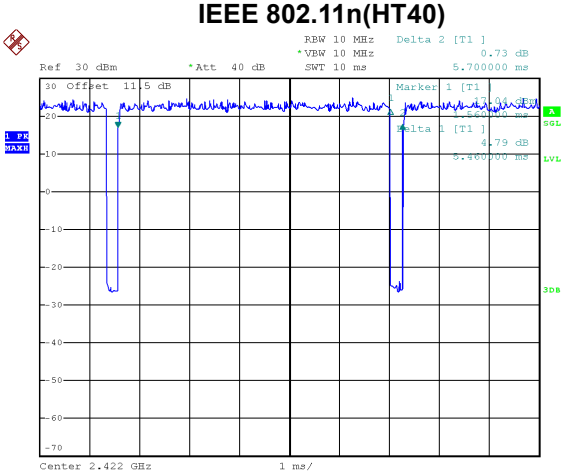
IEEE 802.11n(HT20)



Date: 28.DEC.2021 17:10:31

Duty cycle = 5.440 ms / 5.700 ms = 95.44%
Duty Factor = 10 log(1/Duty cycle) = 0.20

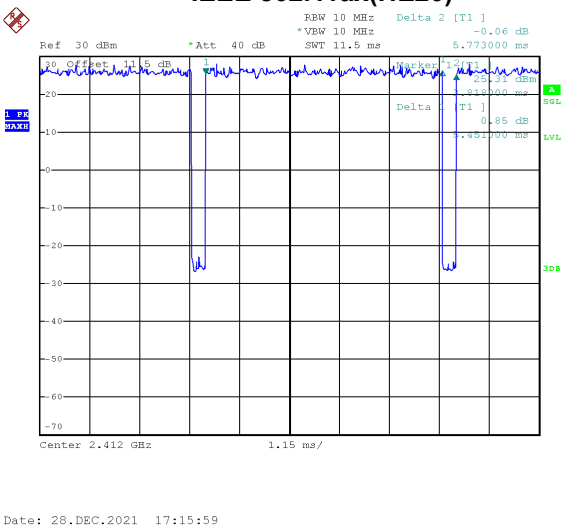
IEEE 802.11n(HT40)



Date: 28.DEC.2021 17:12:27

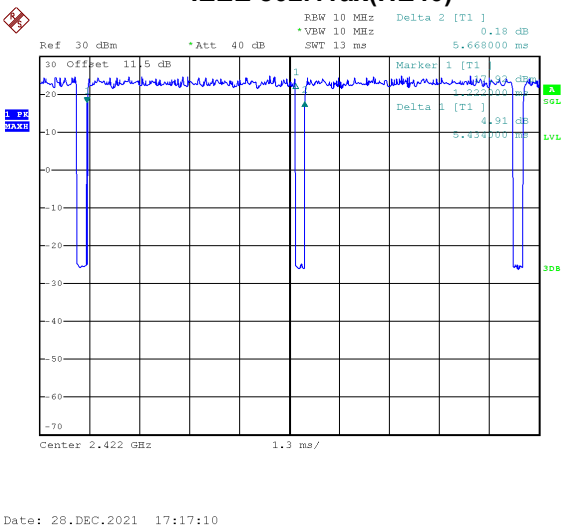
Duty cycle = 5.460 ms / 5.700 ms = 95.79%
Duty Factor = 10 log(1/Duty cycle) = 0.19

IEEE 802.11ax(HE20)



Duty cycle = 5.451 ms / 5.773 ms = 94.42%
Duty Factor = 10 log(1/Duty cycle) = 0.25

IEEE 802.11ax(HE40)



Duty cycle = 5.434 ms / 5.668 ms = 95.87%
Duty Factor = 10 log(1/Duty cycle) = 0.18

NOTE:
For IEEE 802.11b:
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 102 Hz.

For IEEE 802.11g:
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 504 Hz.

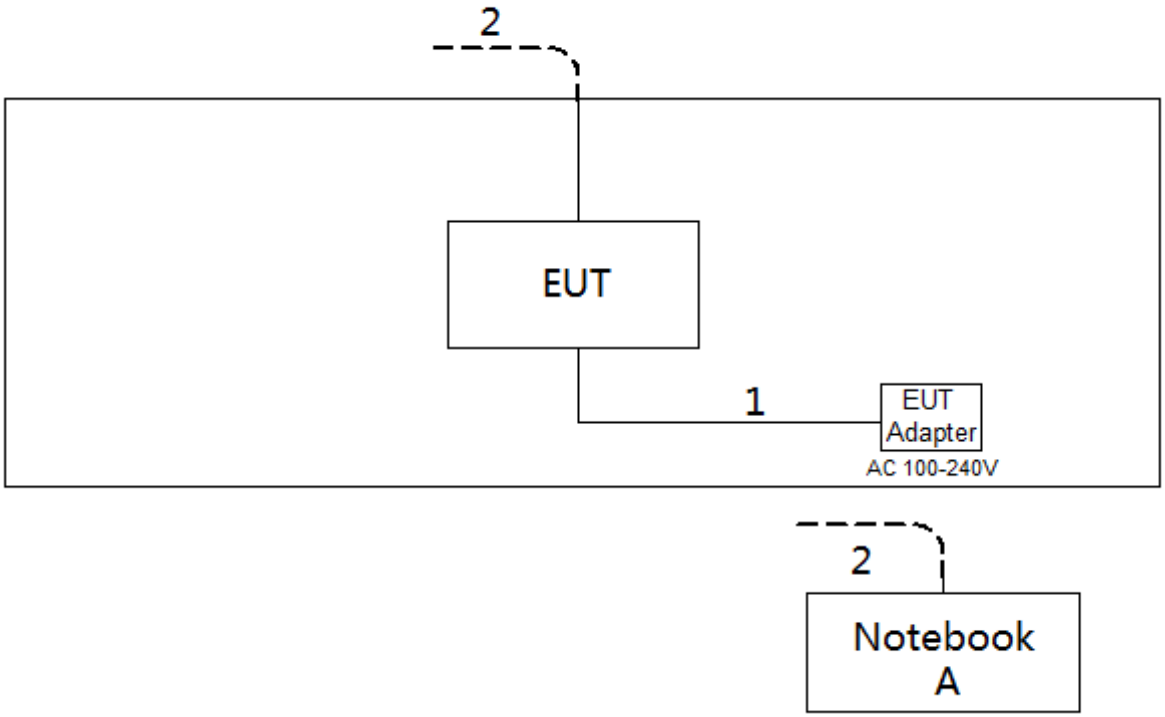
For IEEE 802.11n(HT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 184 Hz.

For IEEE 802.11n(HT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 Hz.

For 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 183 Hz.

For 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 184 Hz.

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

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.

3.2 TEST PROCEDURE

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

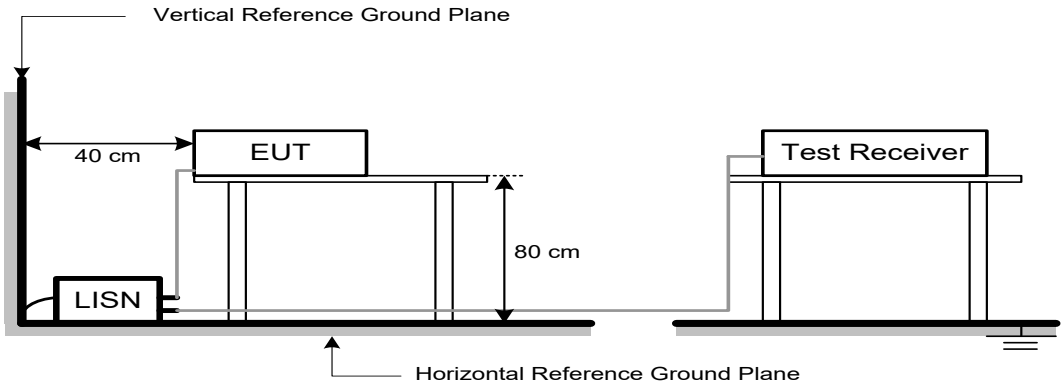
The following table is the setting of the receiver:

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

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS

4.1 LIMIT

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

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

Frequency (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 CFR Title 47, Part 15, Subpart C.

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

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

4.2 TEST PROCEDURE

a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1 GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

The following table is the setting of the receiver:

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

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

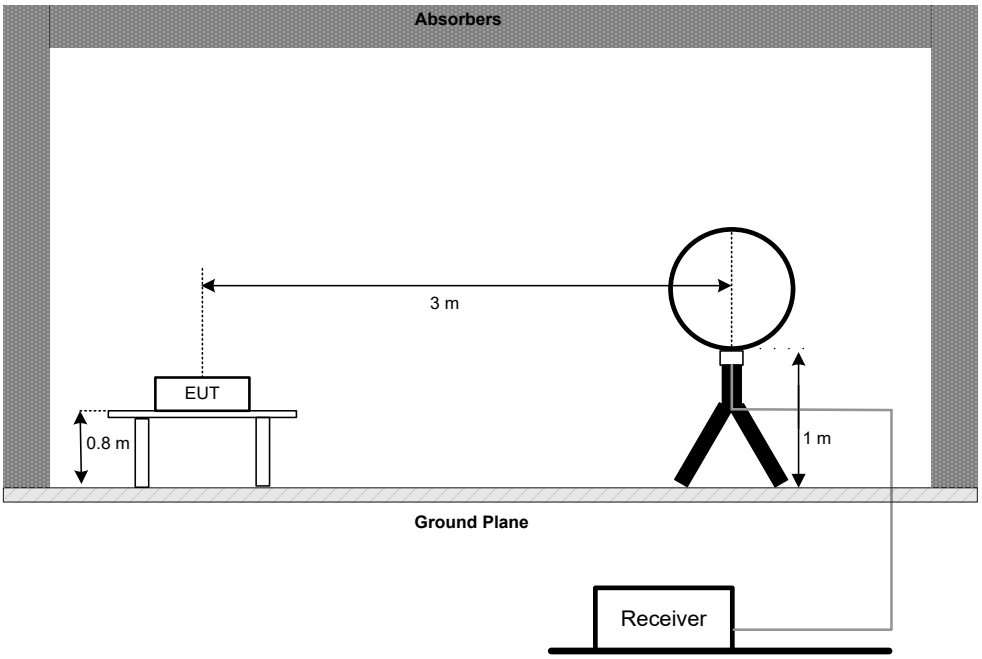
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~26.5 GHz for PK/AVG detector

4.3 DEVIATION FROM TEST STANDARD

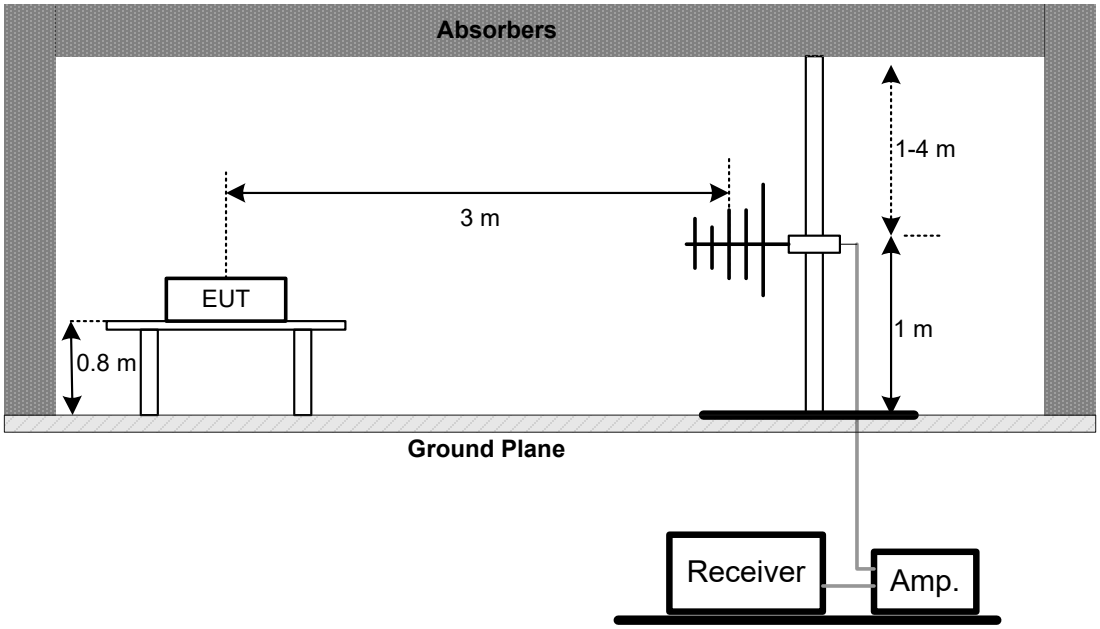
No deviation.

4.4 TEST SETUP

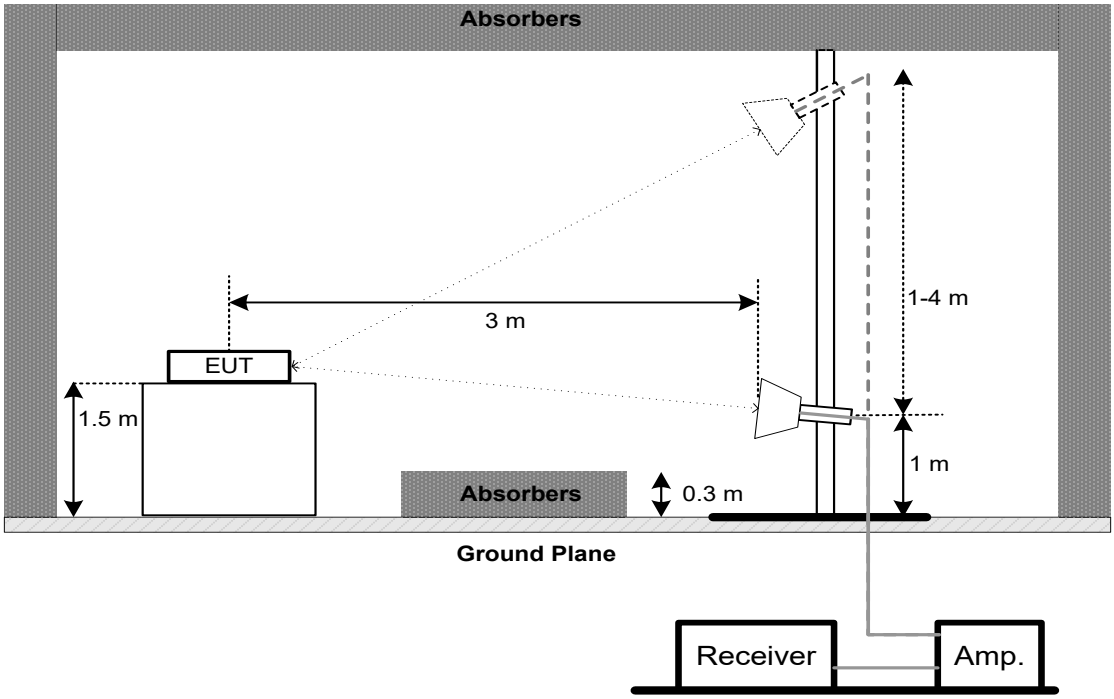
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

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

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

5. BANDWIDTH

5.1 LIMIT

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

5.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

For 6 dB Bandwidth:

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

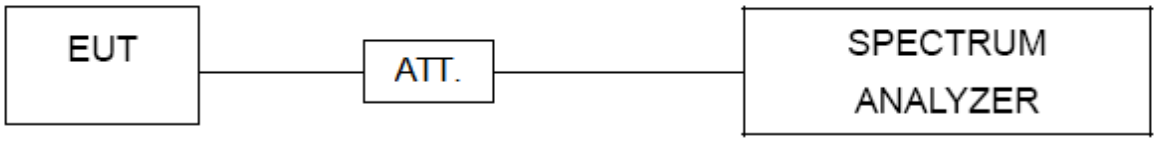
For 99% Emission Bandwidth:

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

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM AVERAGE OUTPUT POWER

6.1 LIMIT

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

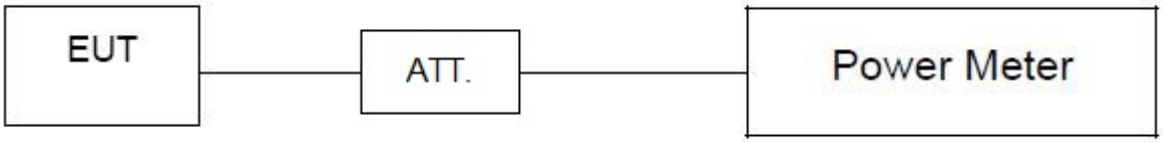
6.2 TEST PROCEDURE

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



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. CONDUCTED SPURIOUS EMISSIONS

7.1 LIMIT

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

7.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

For Reference Level:

Spectrum Parameters	Setting
Span Frequency	⩾ 1.5 times the bandwidth.
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

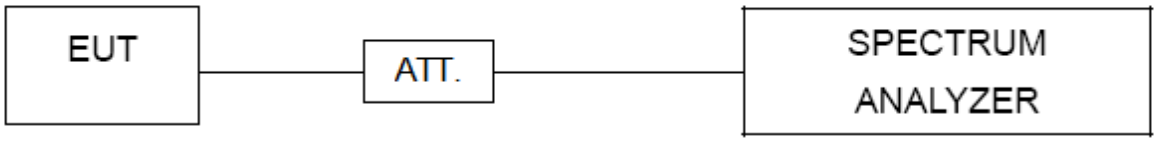
For Emission Level:

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

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. POWER SPECTRAL DENSITY

8.1 LIMIT

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

8.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

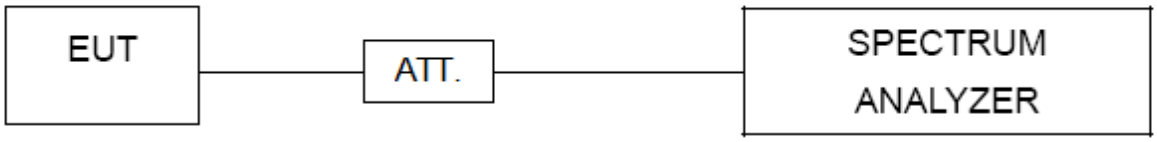
b. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span Frequency	1.5 times the DTS bandwidth
RBW	3 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Jan. 22, 2023
2	LISN	EMCO	3816/2	52765	Jan. 23, 2023
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Jan. 23, 2023
4	50Ω Terminator	SHX	TF5-3	15041305	Feb. 27, 2022
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 09, 2022
7	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	MXE EMI Receiver	Keysight	N9038A	MY56400091	Jan. 22, 2023
2*	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Aug. 23, 2024
3	Cable	N/A	RG 213/U(9kHz~1GHz)	N/A	May 27, 2022
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	966 Chamber Room	ETS	9*6*6	N/A	Jul. 17, 2022

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. 15, 2022
2	Amplifier	HP	8447D	2944A08742	Jan. 22, 2023
3	Cable	emci	LMR-400	N/A	Nov. 30, 2022
4	Controller	CT	SC100	N/A	N/A
5	Controller	MF	MF-7802	MF780208416	N/A
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
7	Receiver	Agilent	N9038A	MY52130039	Jan. 22, 2023
8	966 Chamber Room	RM	9*6*6	N/A	Jul. 24, 2022

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Horn Antenna	ARA	DRG-118A	16554	Apr. 21, 2022
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 30, 2022
3	Amplifier	Agilent	8449B	3008A02584	Jul. 10, 2022
4	Controller	CT	SC100	N/A	N/A
5	Controller	MF	MF-7802	MF780208416	N/A
6	Receiver	Agilent	N9038A	MY52130039	Jan. 22, 2023
7	EXA Spectrum Analyzer	Keysight	N9010A	MY56480488	Jan. 22, 2023
8	Low Noise Amplifier	CONNPHY	CLN-18G40G-4330 -K	619413	Jul. 16, 2022
9	Cable	N/A	A81-SMAMSMAM-12.5M	N/A	Oct. 15, 2022
10	Cable	Talent microwave	A40-2.92M2.92M-2.5M	N/A	Nov. 30, 2022
11	Filter	STI	STI15-9912	N/A	Jul. 10, 2022
12	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
13	966 Chamber Room	RM	9*6*6	N/A	Jul. 24, 2022

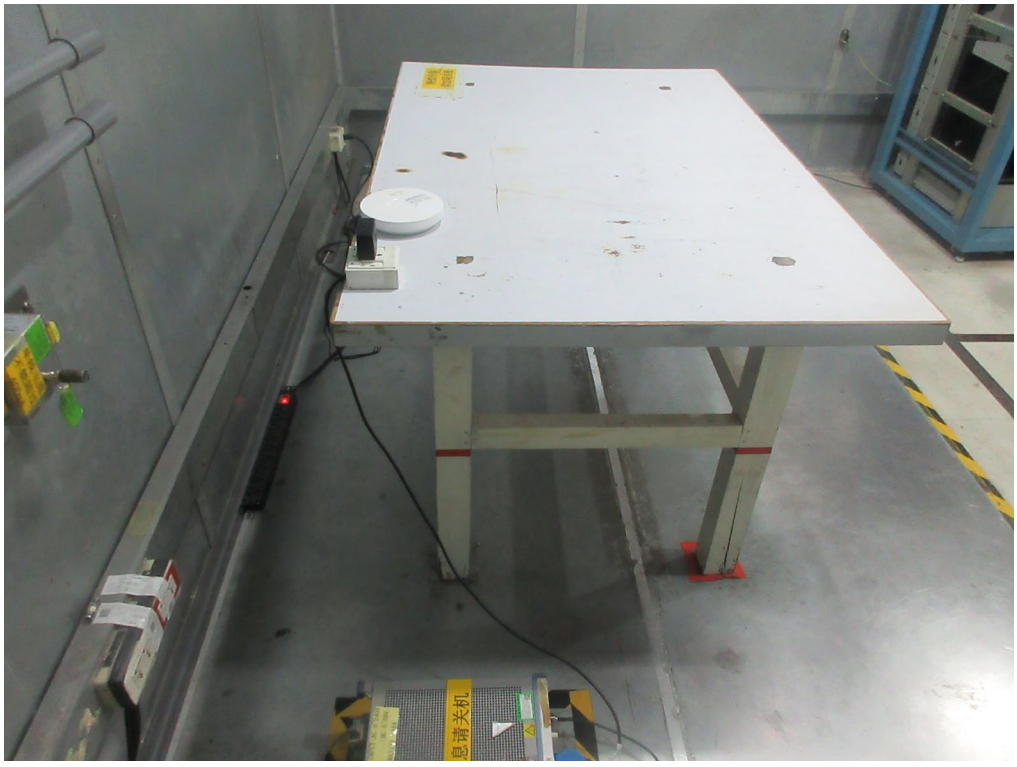
Bandwidth & Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 10, 2022
2	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 07, 2022
3	RF Cable	Tongkaichuan	N/A	N/A	N/A
4	DC Block	Mini	N/A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

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

Remark: ”N/A” denotes no model name, serial no. or calibration specified.
“*” calibration period of equipment list is three year.
Except * item, all calibration period of equipment list is one year.

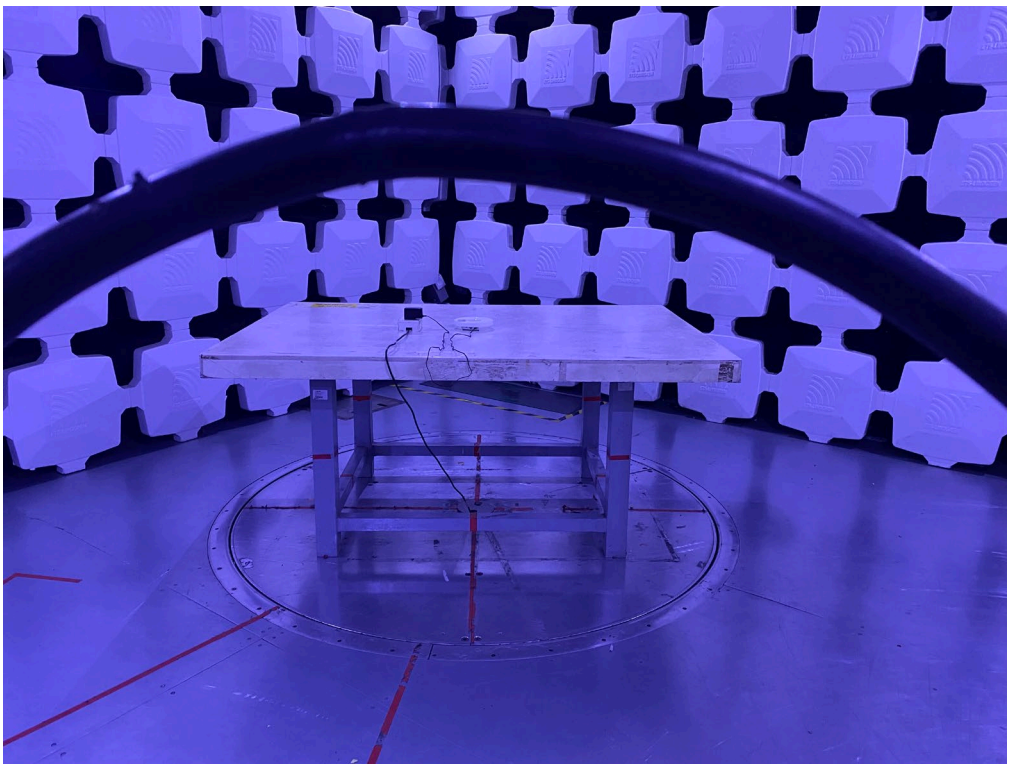
10. EUT TEST PHOTO

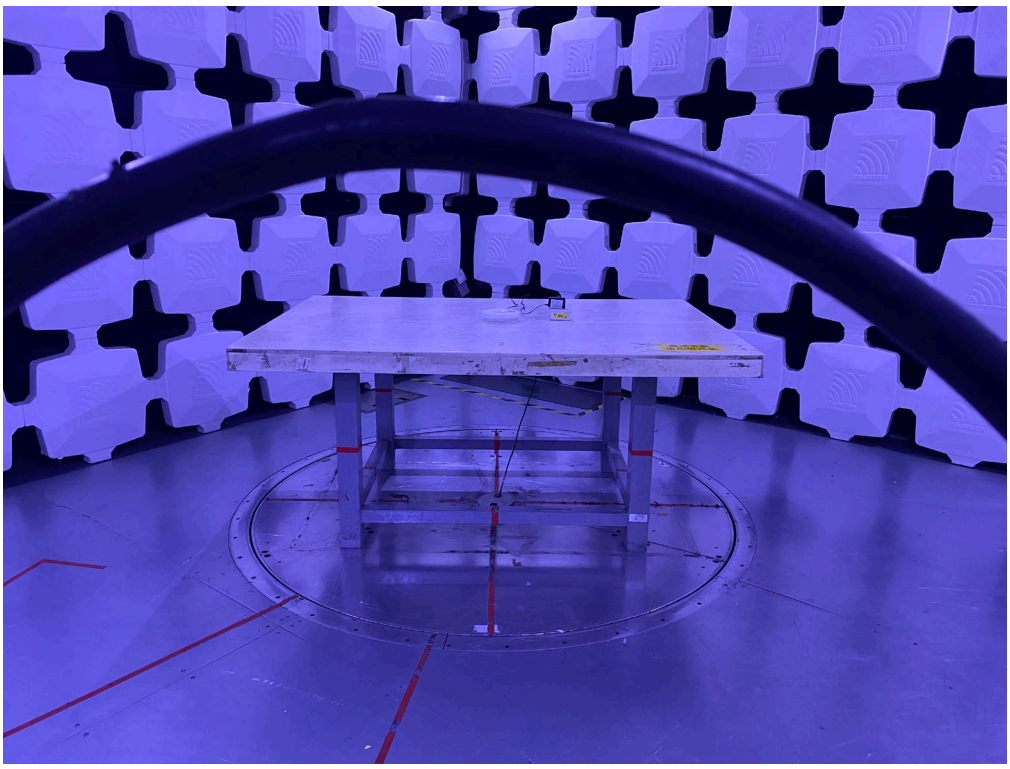
AC Power Line Conducted Emissions Test Photos



Radiated Emissions Test Photos

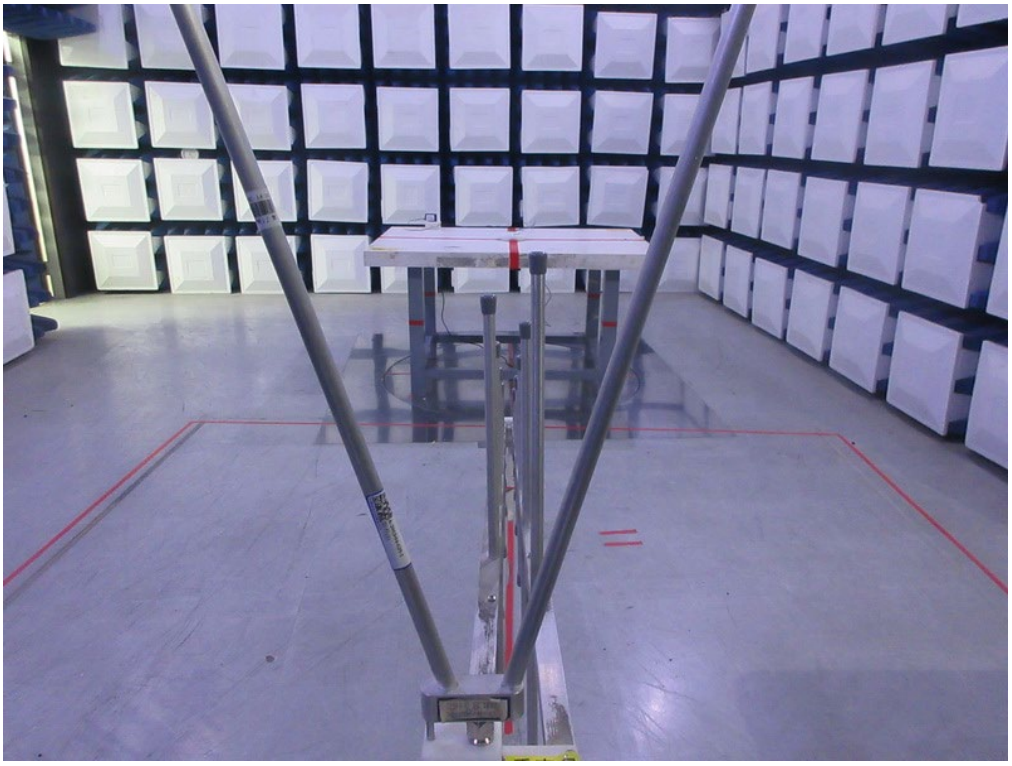
9 kHz to 30 MHz

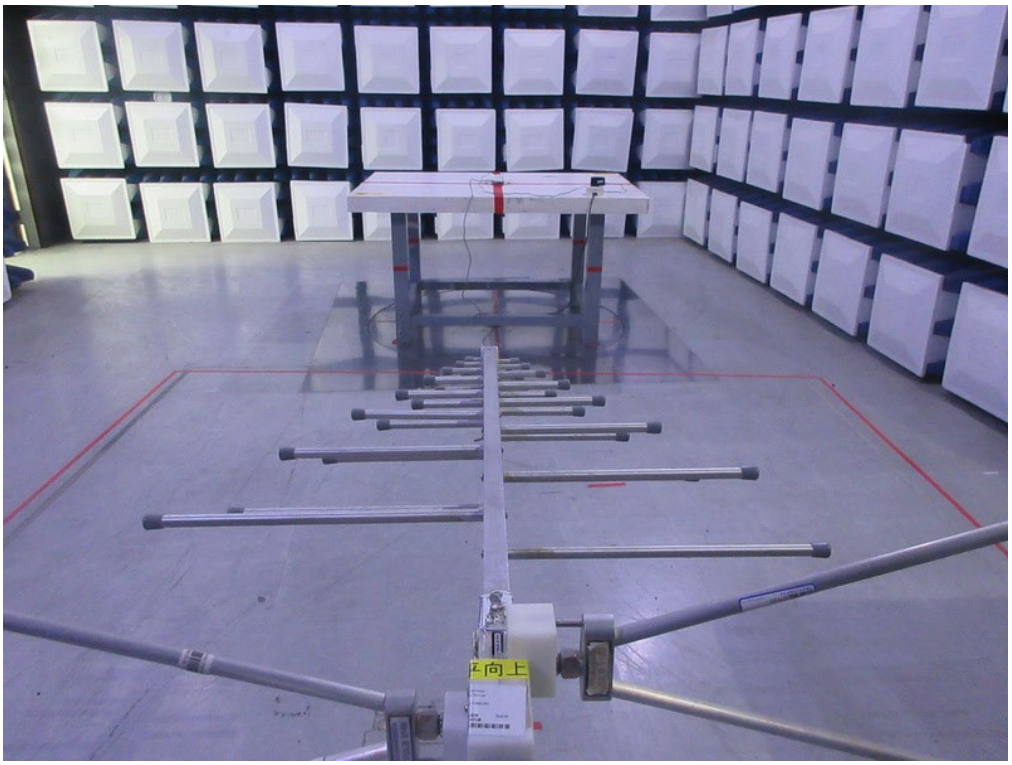




Radiated Emissions Test Photos

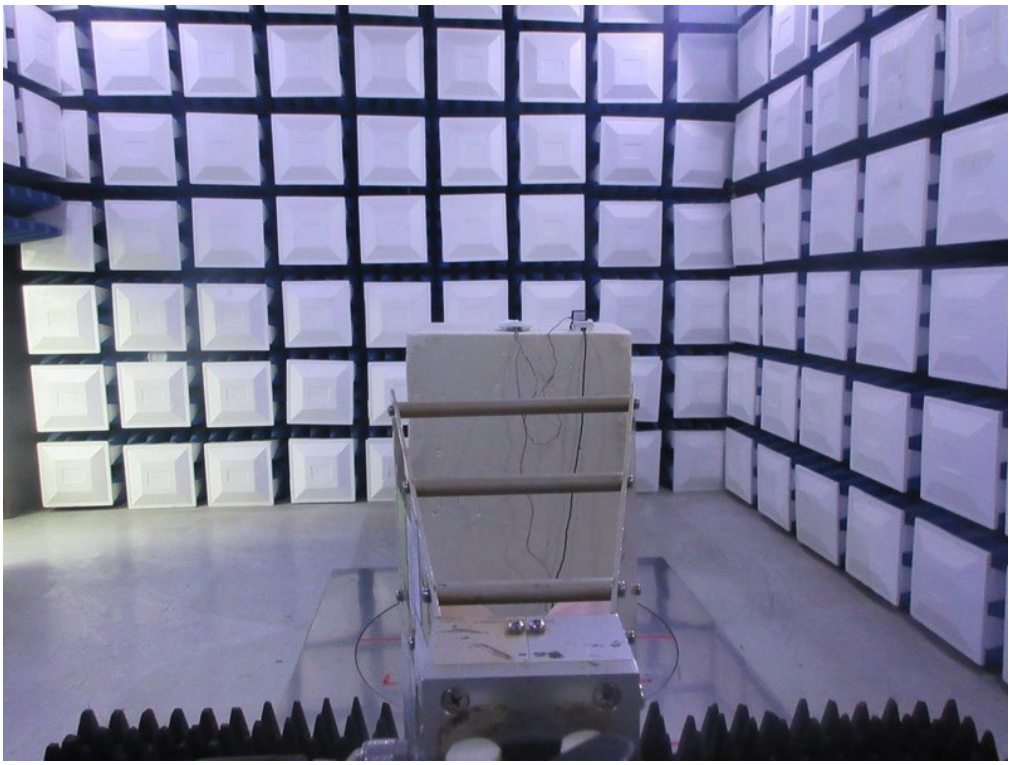
30 MHz to 1 GHz



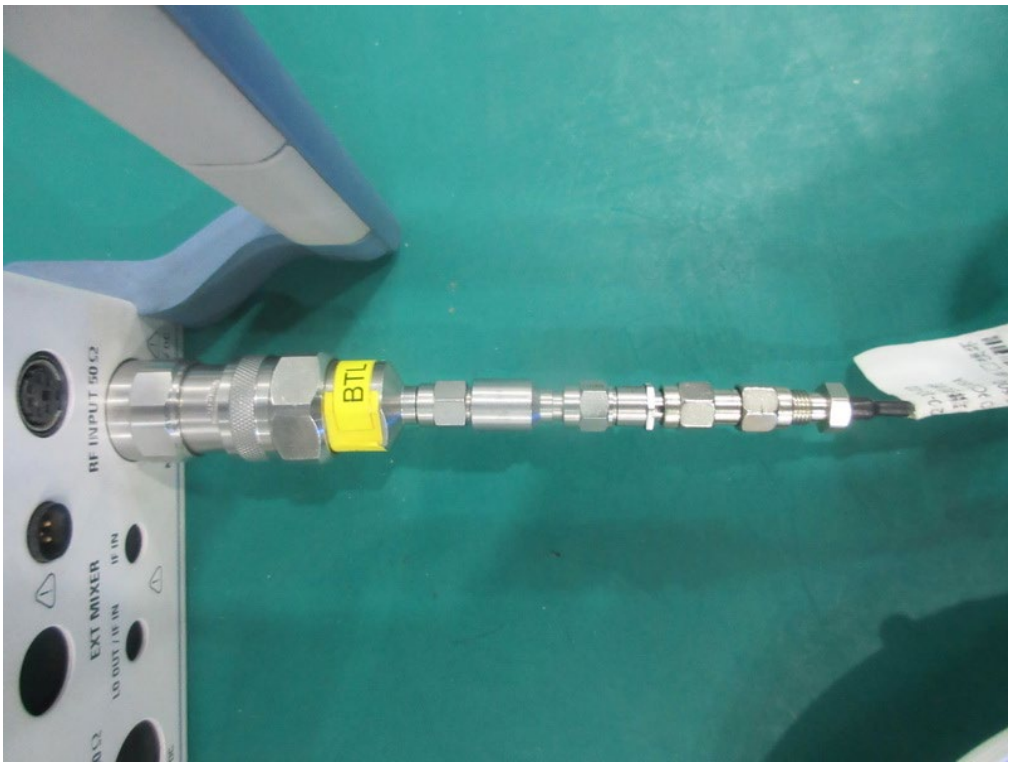


Radiated Emissions Test Photos

Above 1 GHz

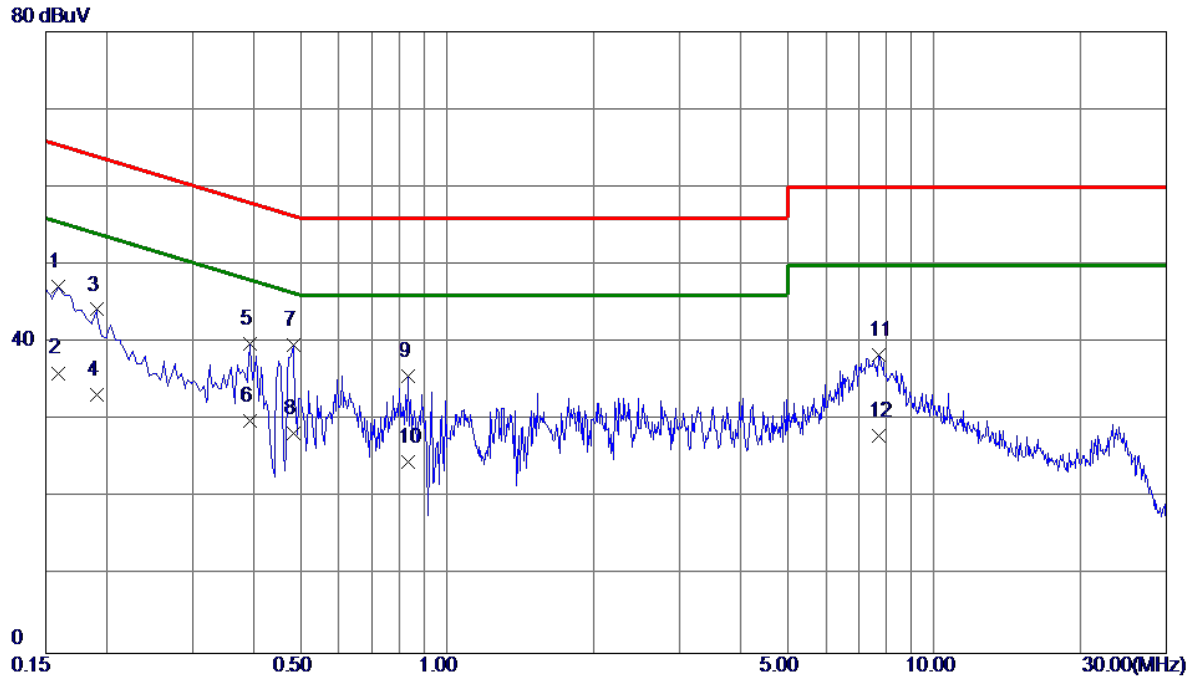


Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

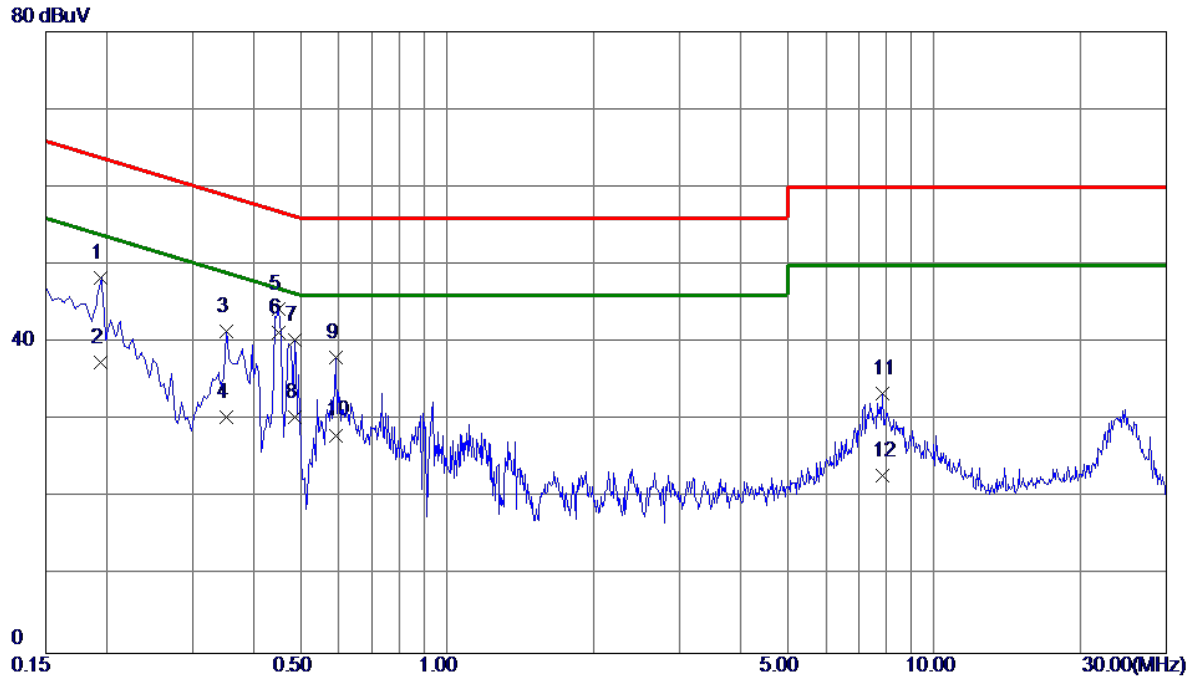
Test Mode	TX N(HT20) Mode Channel 01	Phase	Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1590	37.39	9.78	47.17	65.52	-18.35	QP	
2	0.1590	26.30	9.78	36.08	55.52	-19.44	AVG	
3	0.1905	34.43	9.81	44.24	64.01	-19.77	QP	
4	0.1905	23.40	9.81	33.21	54.01	-20.80	AVG	
5	0.3930	30.01	9.85	39.86	58.00	-18.14	QP	
6	0.3930	20.11	9.85	29.96	48.00	-18.04	AVG	
7 *	0.4830	29.84	9.86	39.70	56.29	-16.59	QP	
8	0.4830	18.40	9.86	28.26	46.29	-18.03	AVG	
9	0.8340	25.64	9.97	35.61	56.00	-20.39	QP	
10	0.8340	14.60	9.97	24.57	46.00	-21.43	AVG	
11	7.6965	28.00	10.44	38.44	60.00	-21.56	QP	
12	7.6965	17.50	10.44	27.94	50.00	-22.06	AVG	

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

Test Mode	TX N(HT20) Mode Channel 01	Phase	Neutral

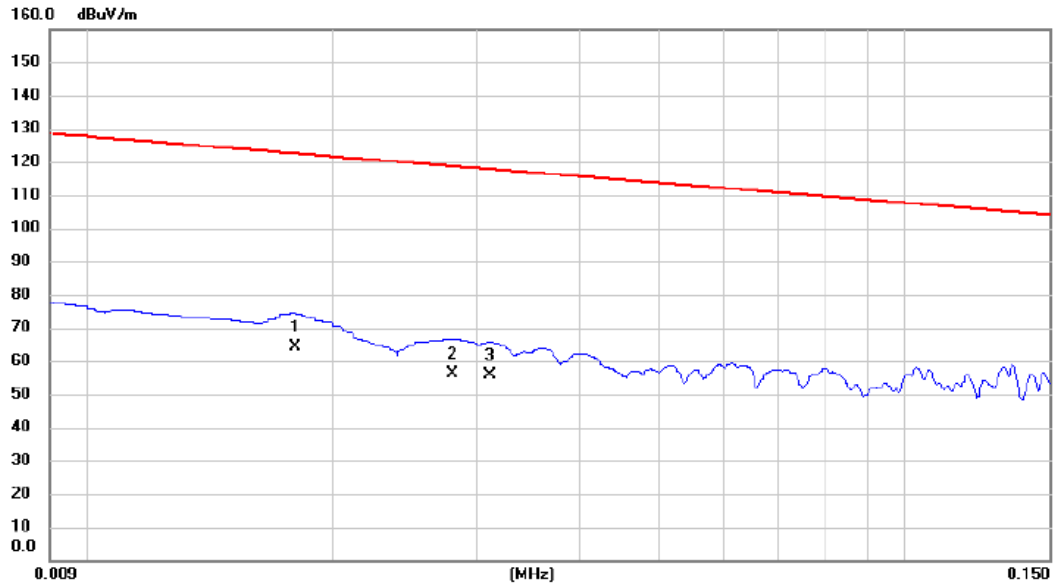


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1949	38.45	9.85	48.30	63.83	-15.53	QP	
2	0.1949	27.60	9.85	37.45	53.83	-16.38	AVG	
3	0.3525	31.51	9.91	41.42	58.90	-17.48	QP	
4	0.3525	20.50	9.91	30.41	48.90	-18.49	AVG	
5	0.4515	34.43	9.93	44.36	56.85	-12.49	QP	
6 *	0.4515	31.41	9.93	41.34	46.85	-5.51	AVG	
7	0.4875	30.32	9.94	40.26	56.21	-15.95	QP	
8	0.4875	20.40	9.94	30.34	46.21	-15.87	AVG	
9	0.5910	28.12	9.98	38.10	56.00	-17.90	QP	
10	0.5910	18.10	9.98	28.08	46.00	-17.92	AVG	
11	7.8315	22.93	10.50	33.43	60.00	-26.57	QP	
12	7.8315	12.40	10.50	22.90	50.00	-27.10	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

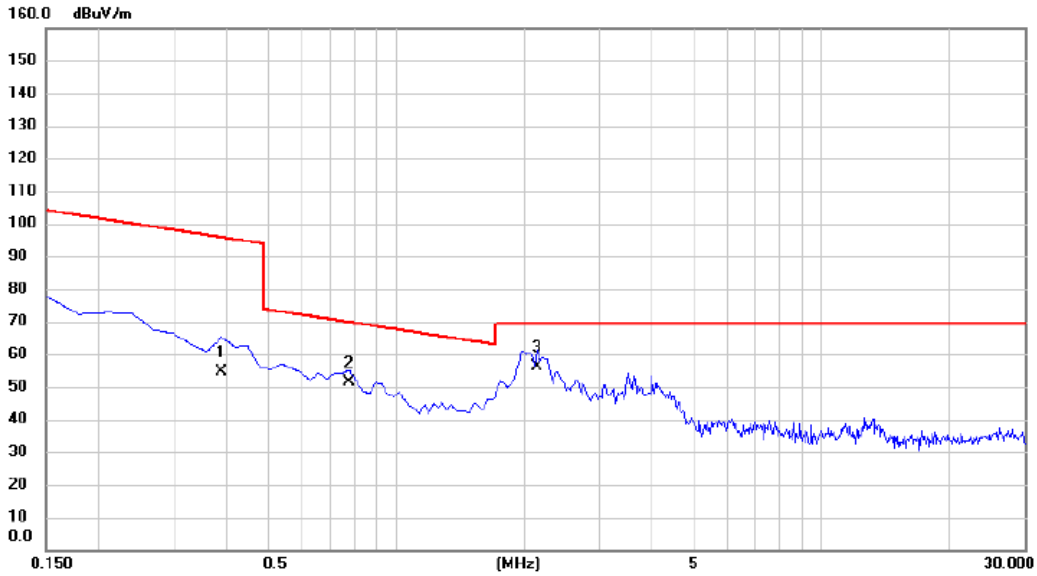
Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0180	49.35	14.92	64.27	122.50	-58.23	AVG	
2		0.0280	42.28	14.11	56.39	118.66	-62.27	AVG	
3		0.0311	41.66	14.03	55.69	117.75	-62.06	AVG	

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

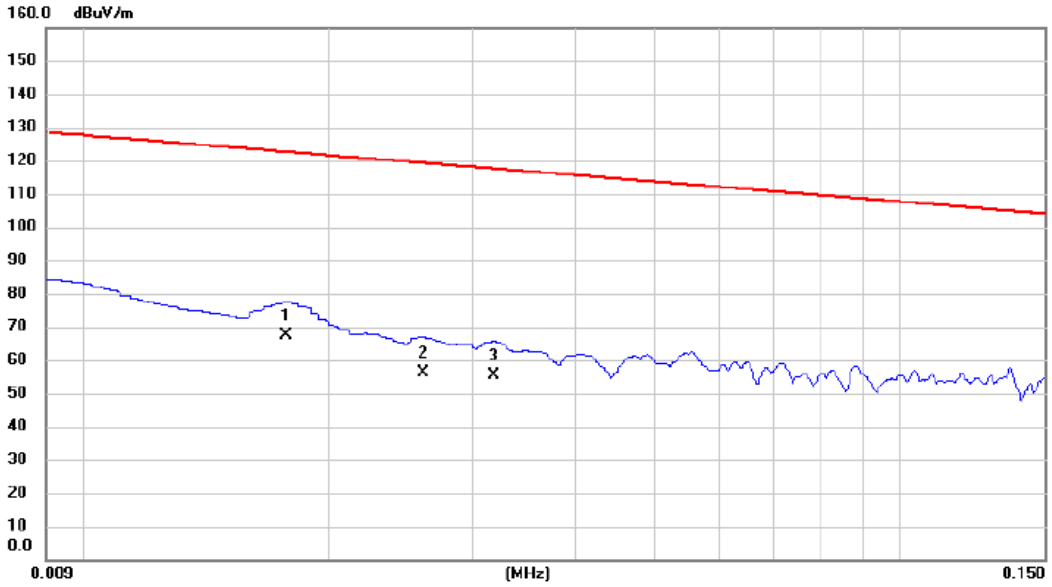
Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3888	41.32	13.47	54.79	95.81	-41.02	AVG	
2		0.7768	38.33	13.05	51.38	69.80	-18.42	QP	
3	*	2.1500	44.29	12.03	56.32	69.54	-13.22	QP	

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

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0177	52.21	15.01	67.22	122.65	-55.43	AVG	
2		0.0261	42.23	14.15	56.38	119.27	-62.89	AVG	
3		0.0318	41.29	14.02	55.31	117.56	-62.25	AVG	

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

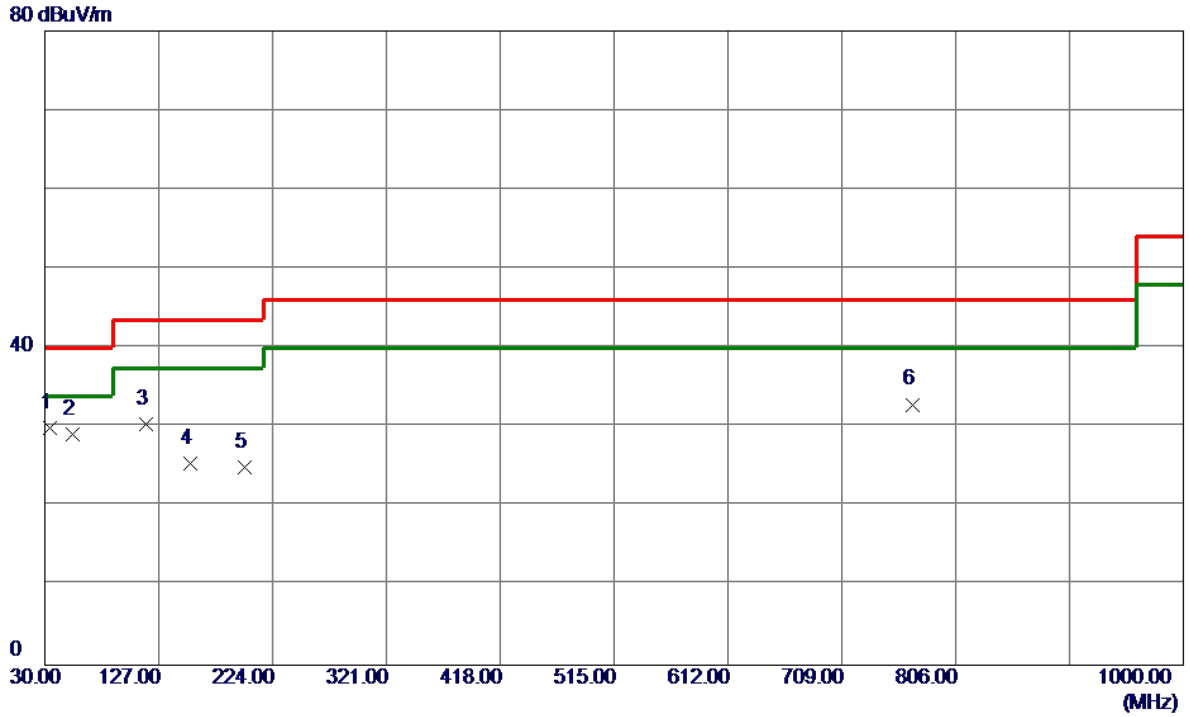
Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 90°

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4485	40.39	13.40	53.79	94.57	-40.78	AVG	
2		0.7470	40.29	13.08	53.37	70.14	-16.77	QP	
3	*	2.0604	45.21	12.07	57.28	69.54	-12.26	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

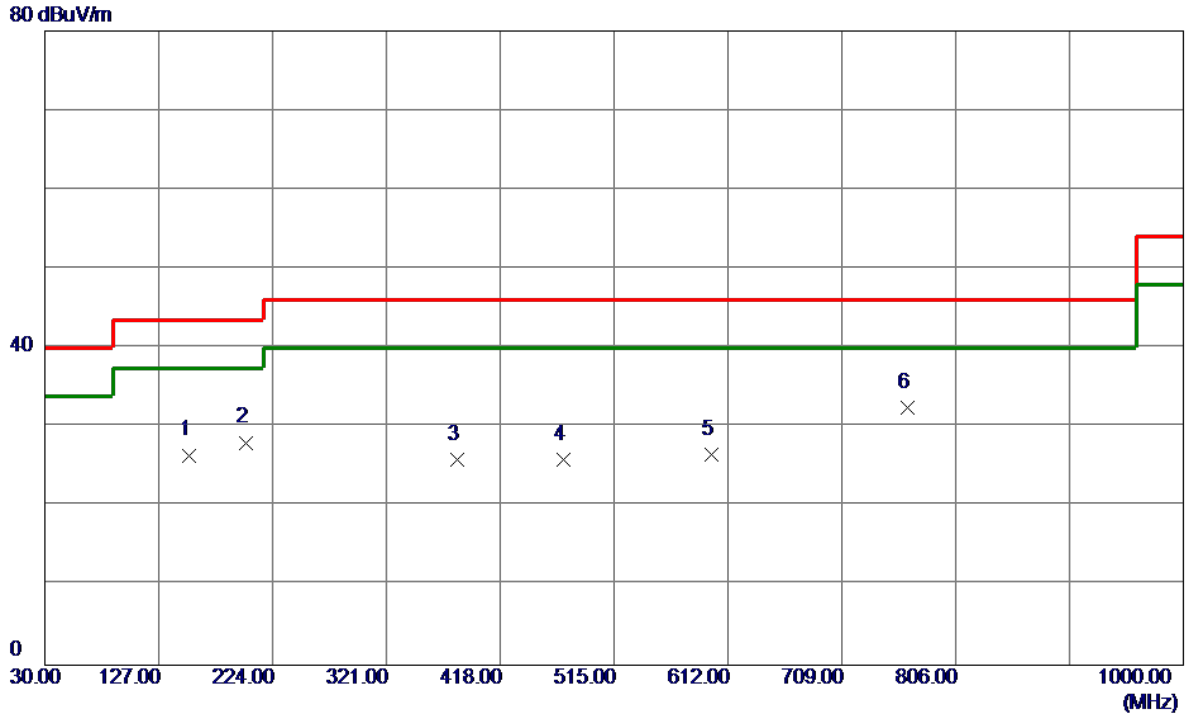
Test Mode	TX N(HT20) Mode Channel 01	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	33.8800	45.04	-15.08	29.96	40.00	-10.04	Peak	
2	53.2800	43.18	-13.99	29.19	40.00	-10.81	Peak	
3	116.3300	44.83	-14.48	30.35	43.50	-13.15	Peak	
4	154.1600	37.89	-12.52	25.37	43.50	-18.13	Peak	
5	200.7200	40.31	-15.40	24.91	43.50	-18.59	Peak	
6	769.1400	34.34	-1.46	32.88	46.00	-13.12	Peak	

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

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Horizontal

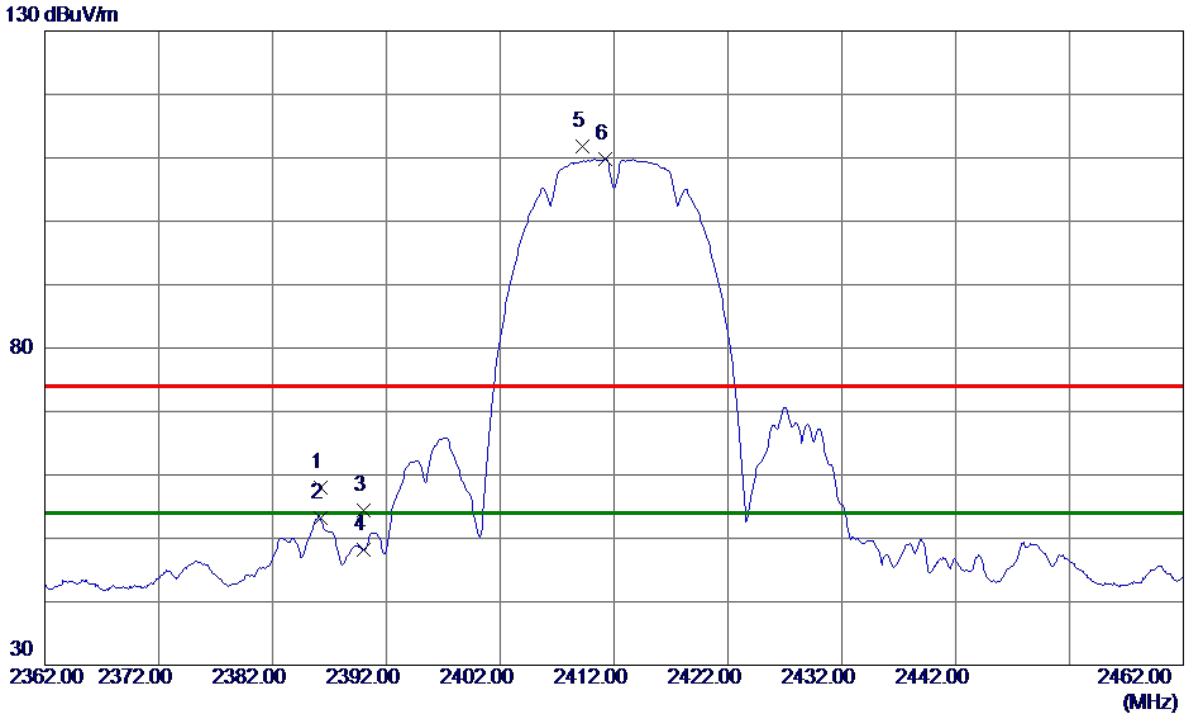


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	153.1900	39.02	-12.54	26.48	43.50	-17.02	Peak	
2	201.6900	43.46	-15.38	28.08	43.50	-15.42	Peak	
3	381.1400	35.21	-9.22	25.99	46.00	-20.01	Peak	
4	471.3500	32.90	-7.04	25.86	46.00	-20.14	Peak	
5	597.4500	31.18	-4.62	26.56	46.00	-19.44	Peak	
6 *	765.2600	34.04	-1.56	32.48	46.00	-13.52	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	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2386.2000	49.63	8.30	57.93	74.00	-16.07	Peak	
2	2386.2000	44.96	8.30	53.26	54.00	-0.74	AVG	
3	2390.0000	46.15	8.31	54.46	74.00	-19.54	Peak	
4	2390.0000	39.92	8.31	48.23	54.00	-5.77	AVG	
5	2409.2000	103.42	8.33	111.75	74.00	37.75	Peak	No Limit
6 *	2411.2000	101.45	8.33	109.78	54.00	55.78	AVG	No Limit

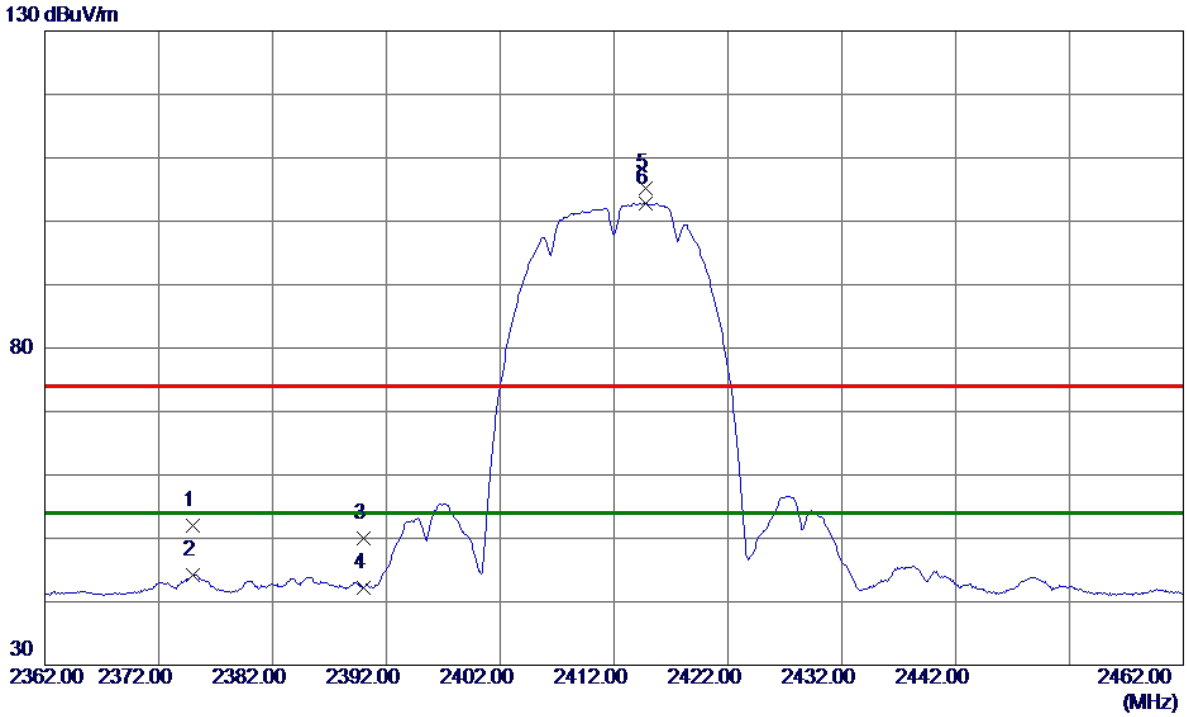
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2412 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.0000	31.88	5.23	37.11	54.00	-16.89	AVG	
2	4824.0299	40.72	5.23	45.95	74.00	-28.05	Peak	

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

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2375.0000	43.65	8.29	51.94	74.00	-22.06	Peak	
2	2375.0000	35.95	8.29	44.24	54.00	-9.76	AVG	
3	2390.0000	41.70	8.31	50.01	74.00	-23.99	Peak	
4	2390.0000	33.97	8.31	42.28	54.00	-11.72	AVG	
5	2414.8000	96.79	8.34	105.13	74.00	31.13	Peak	No Limit
6 *	2414.8000	94.52	8.34	102.86	54.00	48.86	AVG	No Limit

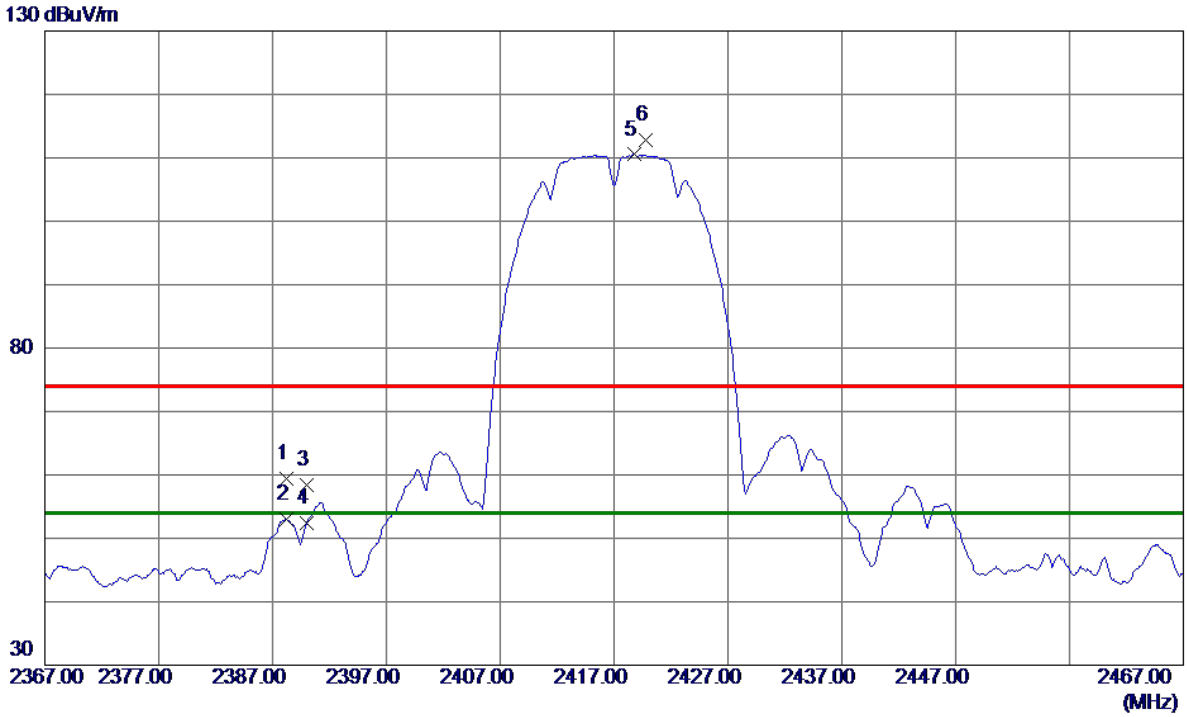
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.0250	28.92	5.23	34.15	54.00	-19.85	AVG	
2	4826.3750	39.10	5.24	44.34	74.00	-29.66	Peak	

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

Test Mode	TX B Mode 2417 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.2000	51.03	8.30	59.33	74.00	-14.67	Peak	
2	2388.2000	44.70	8.30	53.00	54.00	-1.00	AVG	
3	2390.0000	50.08	8.31	58.39	74.00	-15.61	Peak	
4	2390.0000	44.10	8.31	52.41	54.00	-1.59	AVG	
5 *	2418.8000	102.16	8.34	110.50	54.00	56.50	AVG	No Limit
6	2419.8000	104.43	8.34	112.77	74.00	38.77	Peak	No Limit

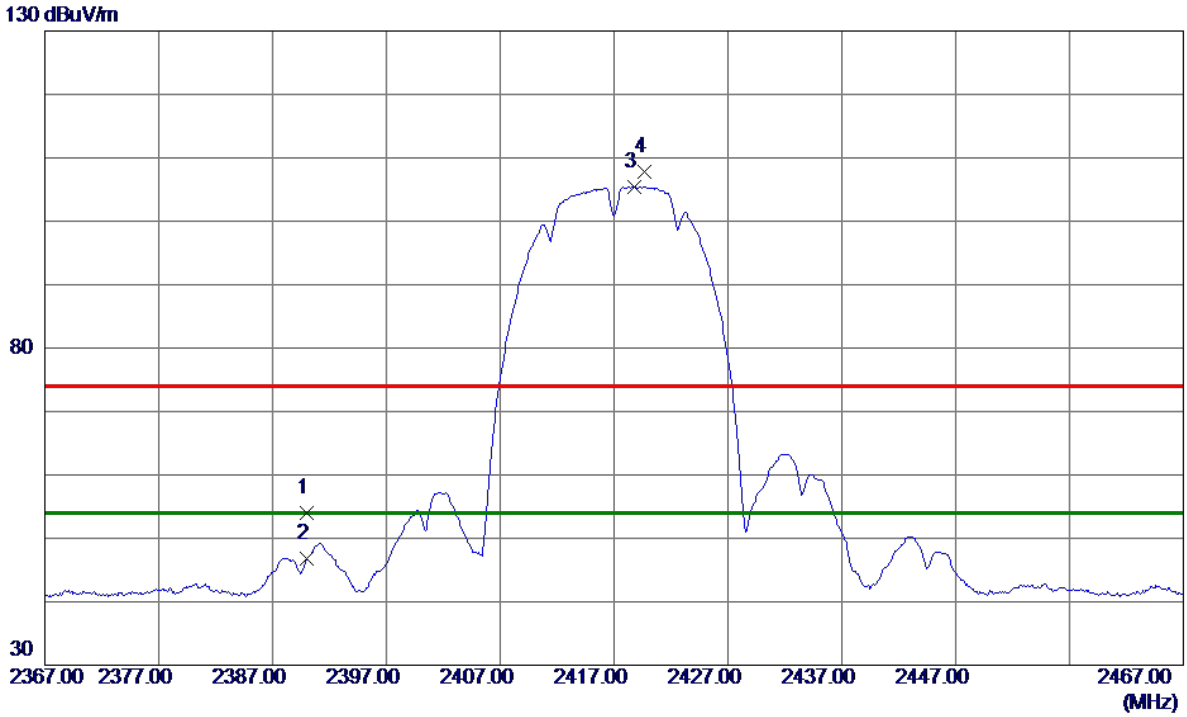
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2417 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4833.4770	41.39	5.28	46.67	74.00	-27.33	Peak	
2 *	4833.9230	30.83	5.28	36.11	54.00	-17.89	AVG	

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

Test Mode	TX B Mode 2417 MHz	Polarization	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	45.69	8.31	54.00	74.00	-20.00	Peak	
2	2390.0000	38.46	8.31	46.77	54.00	-7.23	AVG	
3 *	2418.8000	97.14	8.34	105.48	54.00	51.48	AVG	No Limit
4	2419.7000	99.46	8.34	107.80	74.00	33.80	Peak	No Limit

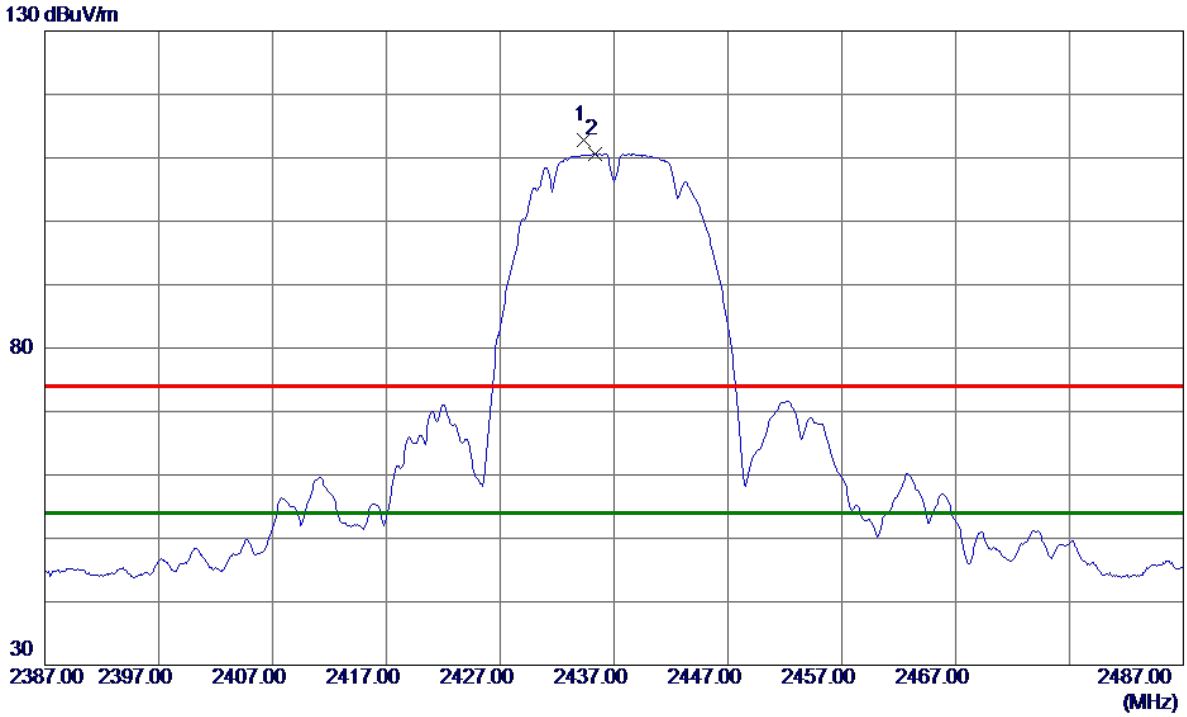
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2417 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4833.2679	39.50	5.27	44.77	74.00	-29.23	Peak	
2 *	4834.3000	28.65	5.28	33.93	54.00	-20.07	AVG	

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

Test Mode	TX B Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2434.3000	104.48	8.36	112.84	74.00	38.84	Peak	No Limit
2 *	2435.3000	102.30	8.36	110.66	54.00	56.66	AVG	No Limit

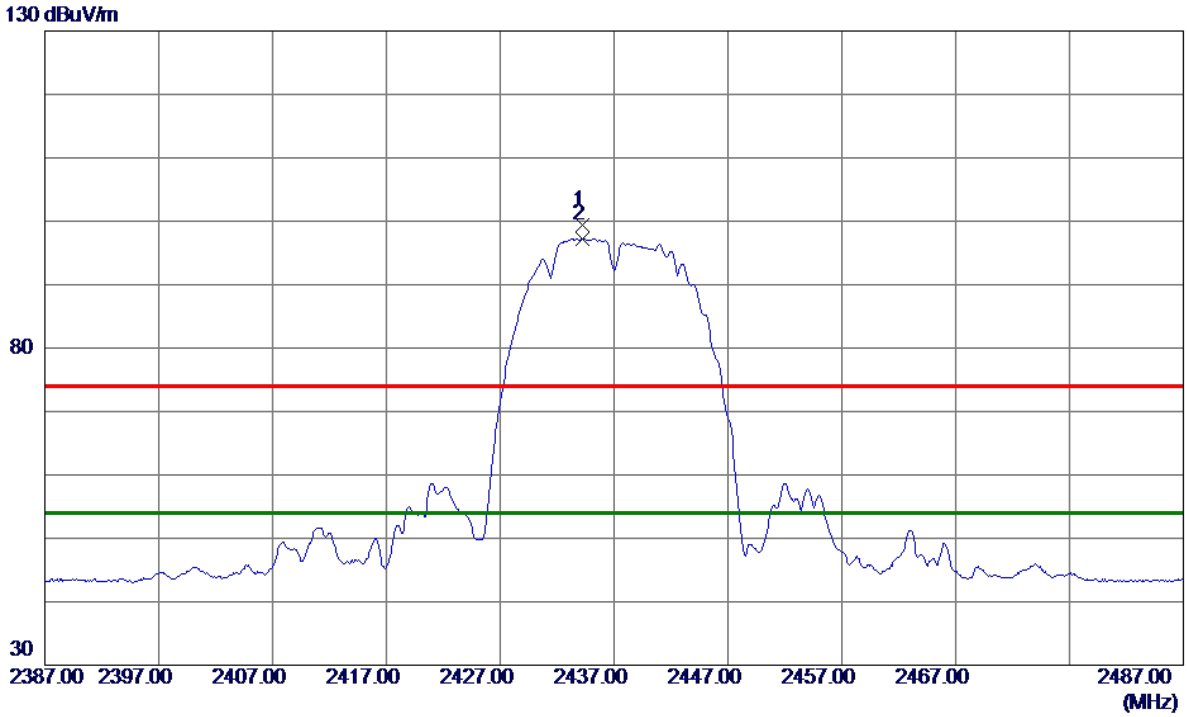
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2437 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.8400	41.14	5.48	46.62	74.00	-27.38	Peak	
2 *	4873.9450	32.27	5.48	37.75	54.00	-16.25	AVG	

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

Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2434.2000	91.08	8.36	99.44	74.00	25.44	Peak	No Limit
2 *	2434.2000	88.87	8.36	97.23	54.00	43.23	AVG	No Limit

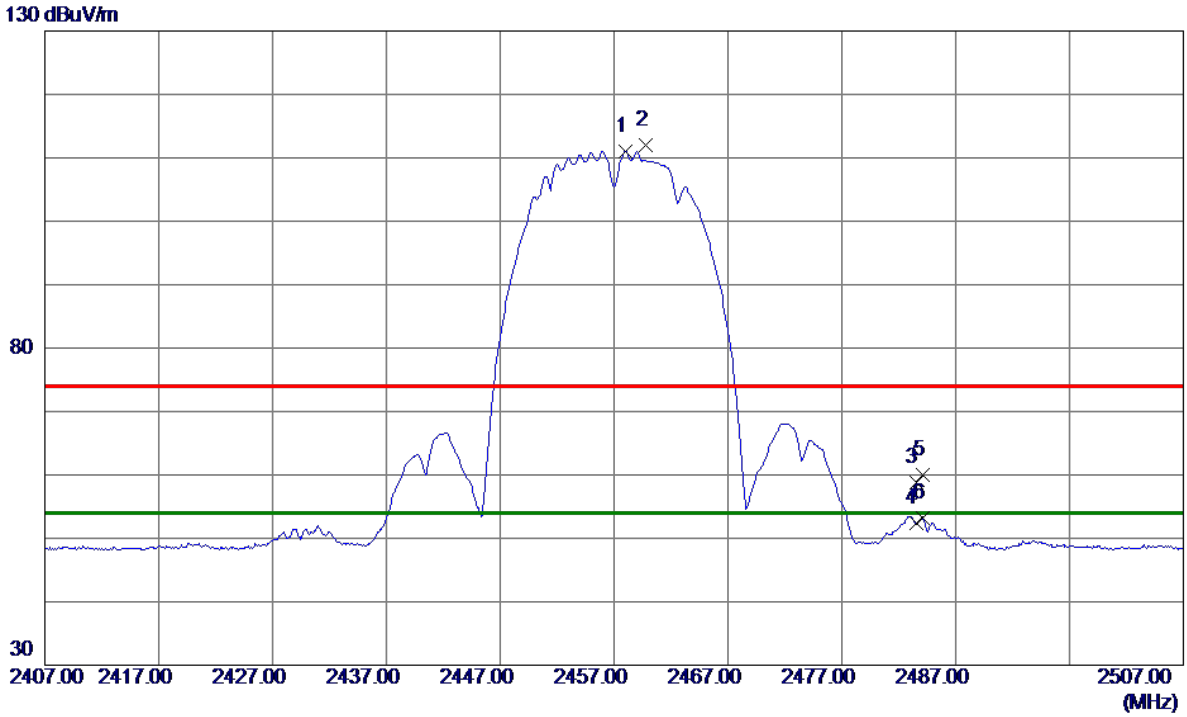
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.1750	28.26	5.48	33.74	54.00	-20.26	AVG	
2	4876.0000	39.72	5.49	45.21	74.00	-28.79	Peak	

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

Test Mode	TX B Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2458.0000	102.59	8.39	110.98	54.00	56.98	AVG	No Limit
2	2459.8000	103.67	8.39	112.06	74.00	38.06	Peak	No Limit
3	2483.5000	50.38	8.42	58.80	74.00	-15.20	Peak	
4	2483.5000	43.95	8.42	52.37	54.00	-1.63	AVG	
5	2484.1000	51.60	8.42	60.02	74.00	-13.98	Peak	
6	2484.1000	44.75	8.42	53.17	54.00	-0.83	AVG	

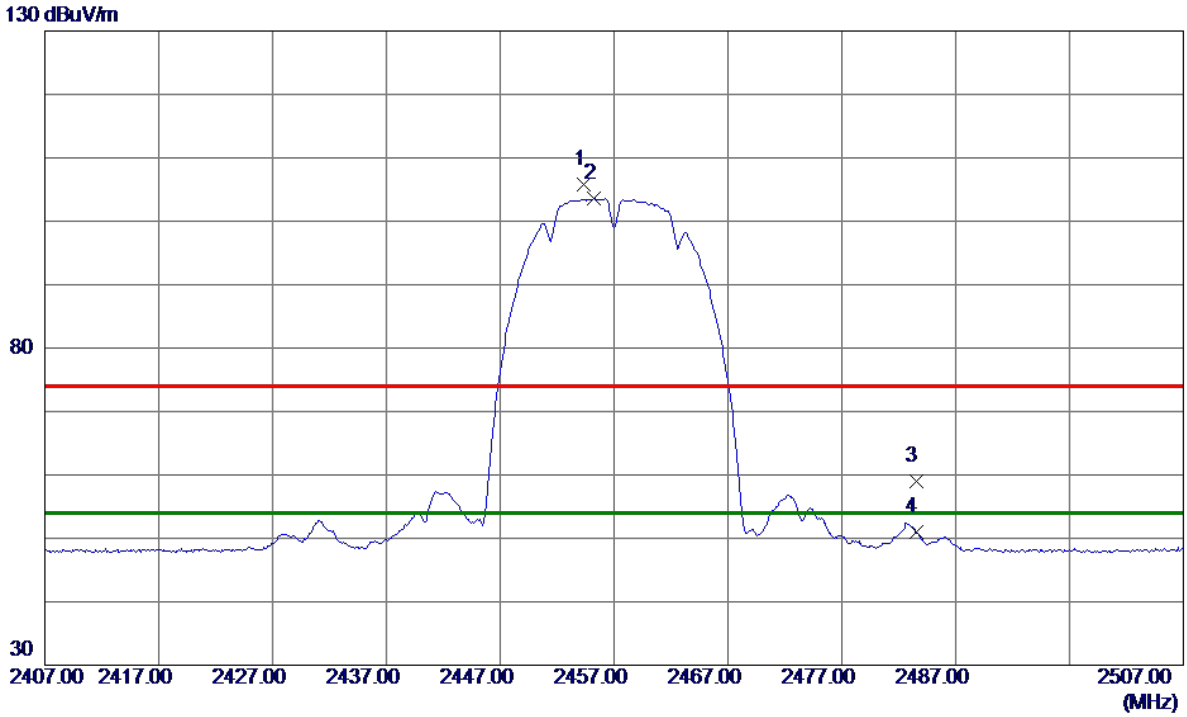
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2457 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4913.9220	30.26	5.68	35.94	54.00	-18.06	AVG	
2	4914.0850	40.86	5.68	46.54	74.00	-27.46	Peak	

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

Test Mode	TX B Mode 2457 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2454.3000	97.32	8.39	105.71	74.00	31.71	Peak	No Limit
2 *	2455.2000	95.17	8.39	103.56	54.00	49.56	AVG	No Limit
3	2483.5000	50.56	8.42	58.98	74.00	-15.02	Peak	
4	2483.5000	42.49	8.42	50.91	54.00	-3.09	AVG	

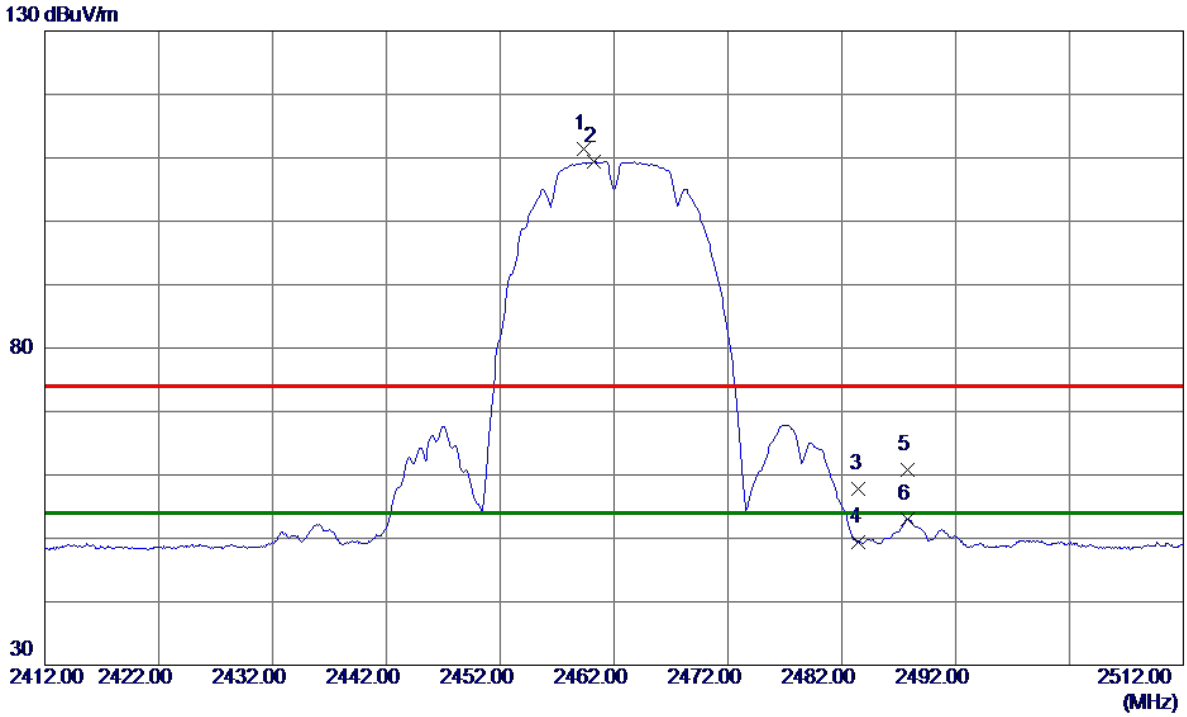
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2457 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4913.8030	39.72	5.68	45.40	74.00	-28.60	Peak	
2 *	4914.0530	28.05	5.68	33.73	54.00	-20.27	AVG	

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

Test Mode	TX B Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2459.3000	103.08	8.39	111.47	74.00	37.47	Peak	No Limit
2 *	2460.2000	100.99	8.39	109.38	54.00	55.38	AVG	No Limit
3	2483.5000	49.37	8.42	57.79	74.00	-16.21	Peak	
4	2483.5000	40.99	8.42	49.41	54.00	-4.59	AVG	
5	2487.8000	52.30	8.43	60.73	74.00	-13.27	Peak	
6	2487.8000	44.65	8.43	53.08	54.00	-0.92	AVG	

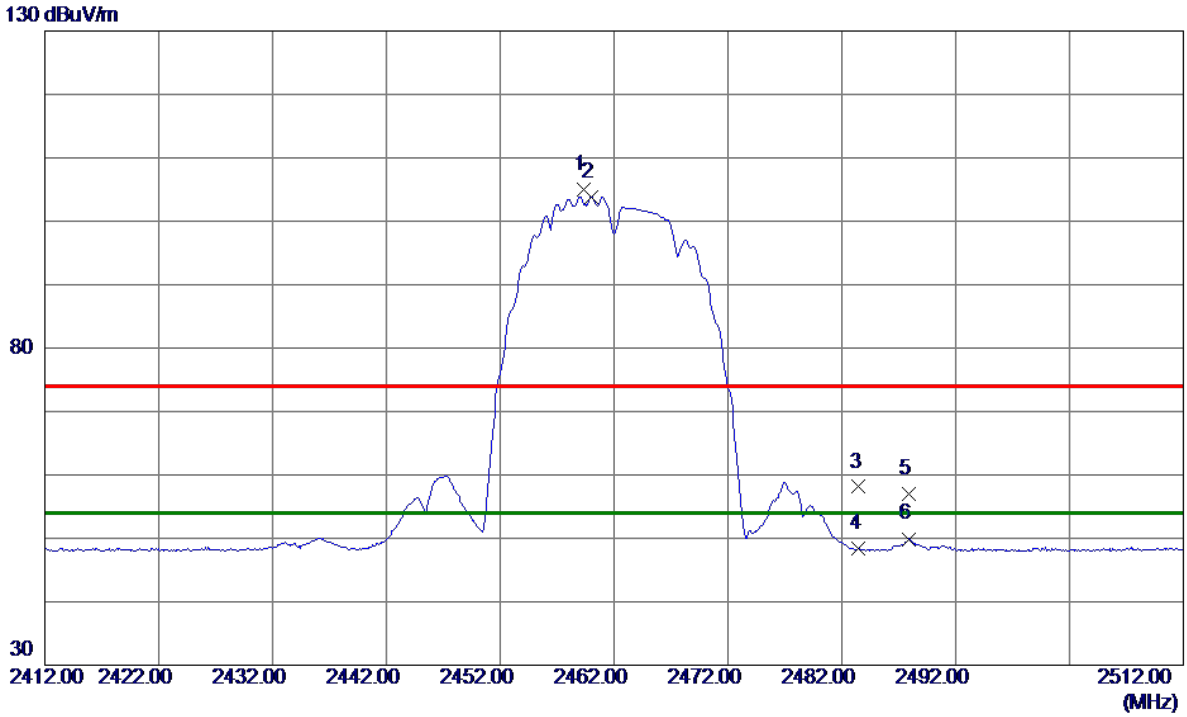
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2462 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.0200	40.03	5.73	45.76	74.00	-28.24	Peak	
2 *	4924.0750	31.37	5.74	37.11	54.00	-16.89	AVG	

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2459.3000	96.54	8.39	104.93	74.00	30.93	Peak	No Limit
2 *	2460.0000	95.42	8.39	103.81	54.00	49.81	AVG	No Limit
3	2483.5000	49.68	8.42	58.10	74.00	-15.90	Peak	
4	2483.5000	39.89	8.42	48.31	54.00	-5.69	AVG	
5	2487.9000	48.59	8.43	57.02	74.00	-16.98	Peak	
6	2487.9000	41.47	8.43	49.90	54.00	-4.10	AVG	

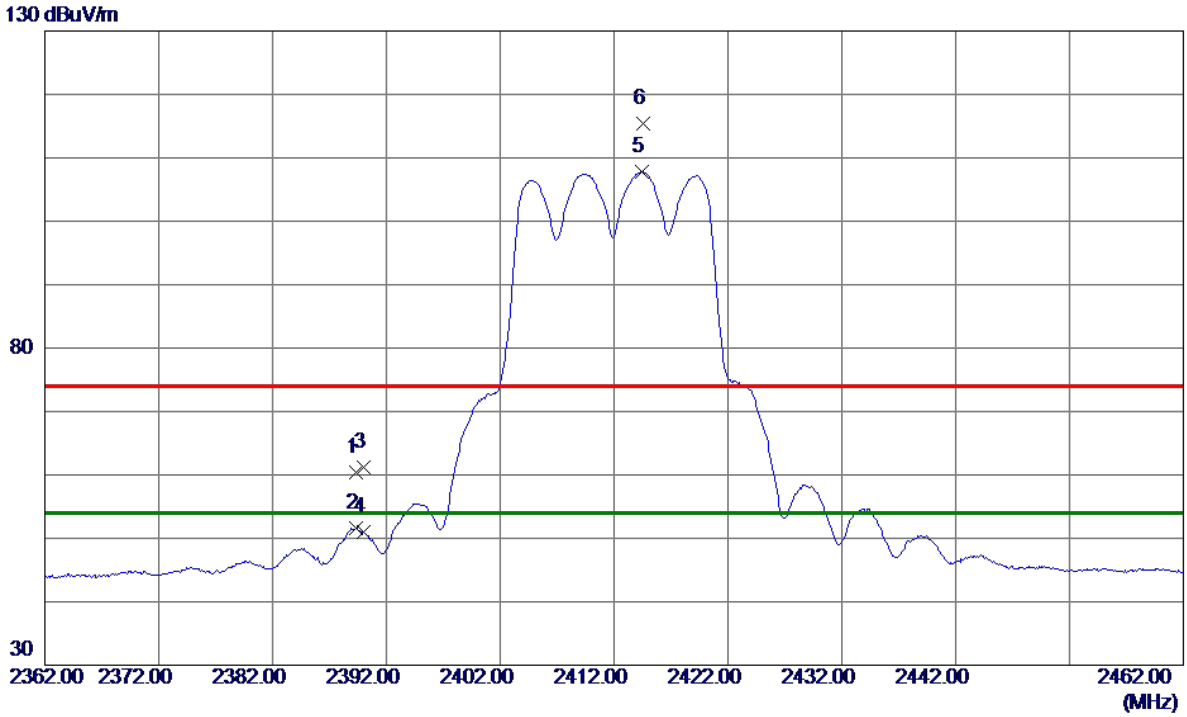
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4922.6200	39.34	5.73	45.07	74.00	-28.93	Peak	
2 *	4925.2300	28.38	5.74	34.12	54.00	-19.88	AVG	

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

Test Mode	TX G Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.3000	52.16	8.30	60.46	74.00	-13.54	Peak	
2	2389.3000	43.26	8.30	51.56	54.00	-2.44	AVG	
3	2390.0000	52.91	8.31	61.22	74.00	-12.78	Peak	
4	2390.0000	42.60	8.31	50.91	54.00	-3.09	AVG	
5 *	2414.4000	99.45	8.34	107.79	54.00	53.79	AVG	No Limit
6	2414.6000	107.14	8.34	115.48	74.00	41.48	Peak	No Limit

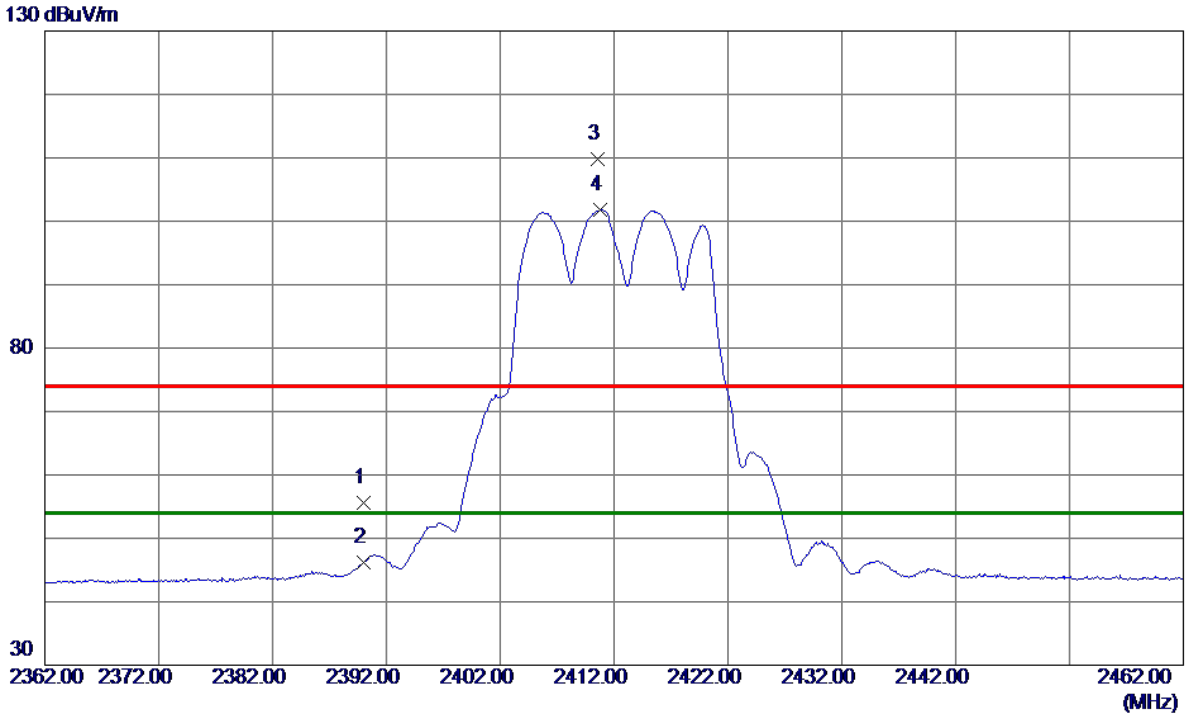
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2412 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4814.6800	39.12	5.18	44.30	74.00	-29.70	Peak	
2 *	4822.0800	28.61	5.22	33.83	54.00	-20.17	AVG	

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

Test Mode	TX G Mode 2412 MHz	Polarization	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	47.37	8.31	55.68	74.00	-18.32	Peak	
2	2390.0000	37.81	8.31	46.12	54.00	-7.88	AVG	
3	2410.6000	101.46	8.33	109.79	74.00	35.79	Peak	No Limit
4 *	2410.8000	93.43	8.33	101.76	54.00	47.76	AVG	No Limit

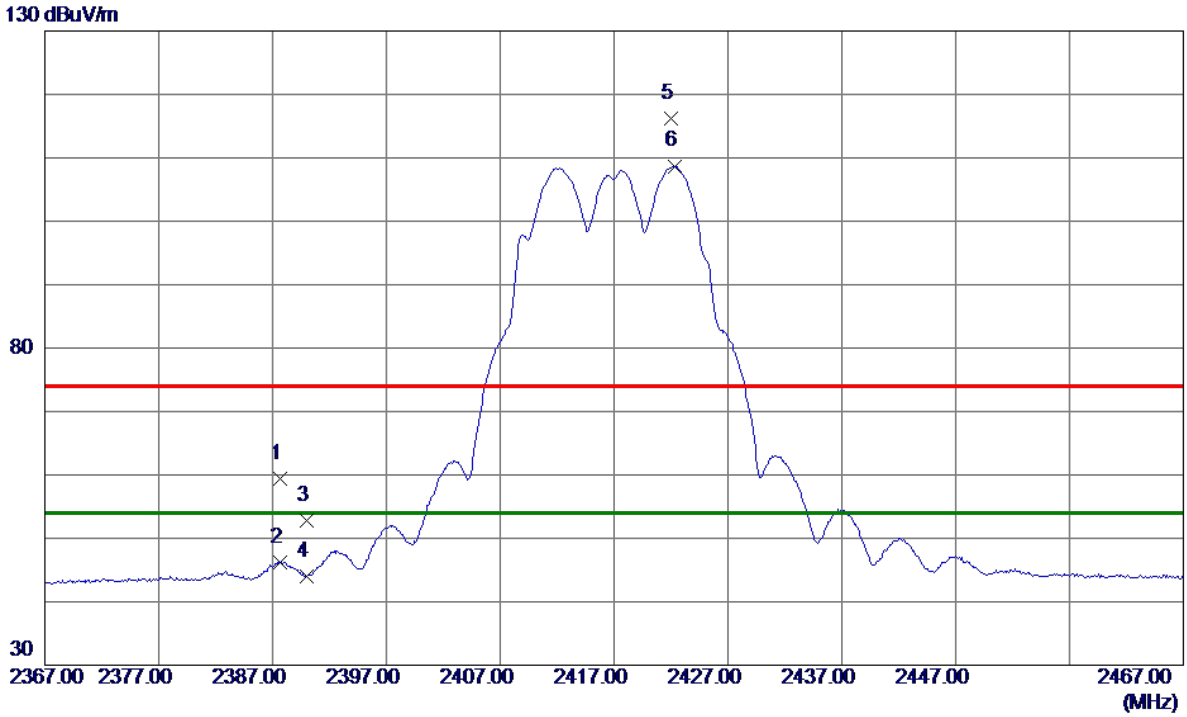
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4819.3000	28.45	5.20	33.65	54.00	-20.35	AVG	
2	4821.4800	38.24	5.21	43.45	74.00	-30.55	Peak	

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

Test Mode	TX G Mode 2417 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2387.7000	51.12	8.30	59.42	74.00	-14.58	Peak	
2	2387.7000	37.91	8.30	46.21	54.00	-7.79	AVG	
3	2390.0000	44.49	8.31	52.80	74.00	-21.20	Peak	
4	2390.0000	35.74	8.31	44.05	54.00	-9.95	AVG	
5	2422.0000	107.81	8.35	116.16	74.00	42.16	Peak	No Limit
6 *	2422.3000	100.35	8.35	108.70	54.00	54.70	AVG	No Limit

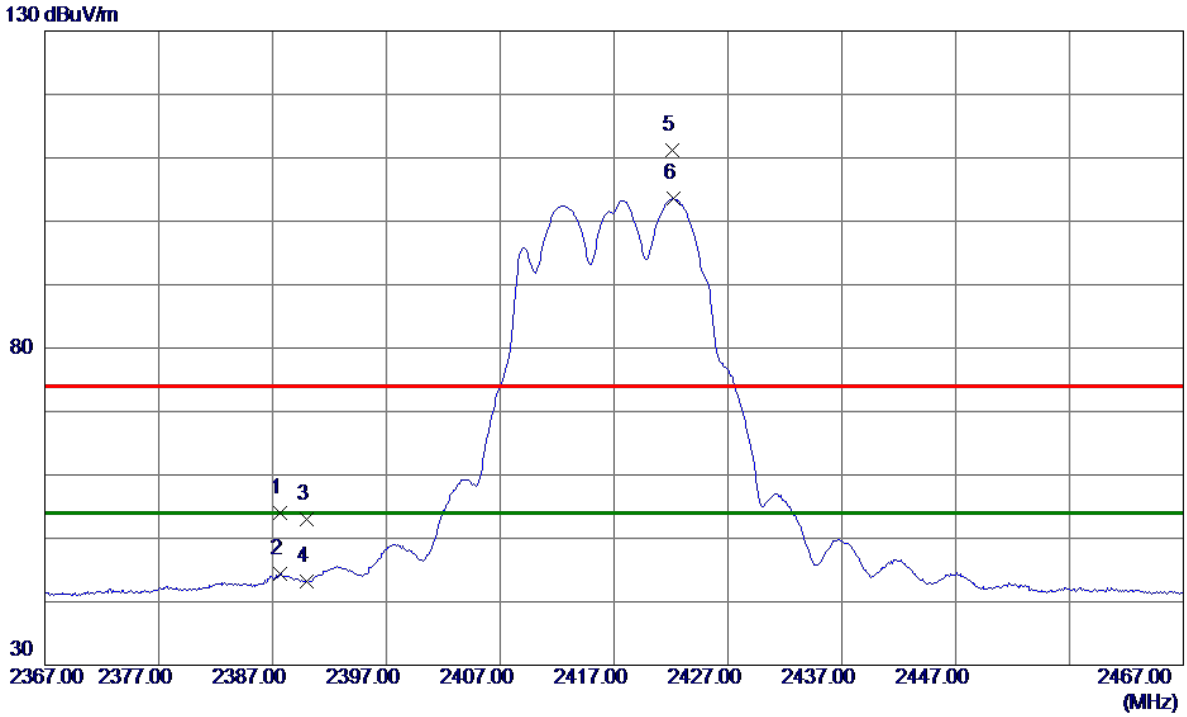
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2417 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4833.3820	28.52	5.28	33.80	54.00	-20.20	AVG	
2	4834.5990	39.26	5.28	44.54	74.00	-29.46	Peak	

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

Test Mode	TX G Mode 2417 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2387.7000	45.73	8.30	54.03	74.00	-19.97	Peak	
2	2387.7000	36.02	8.30	44.32	54.00	-9.68	AVG	
3	2390.0000	44.66	8.31	52.97	74.00	-21.03	Peak	
4	2390.0000	34.95	8.31	43.26	54.00	-10.74	AVG	
5	2422.1000	102.87	8.35	111.22	74.00	37.22	Peak	No Limit
6 *	2422.2000	95.23	8.35	103.58	54.00	49.58	AVG	No Limit

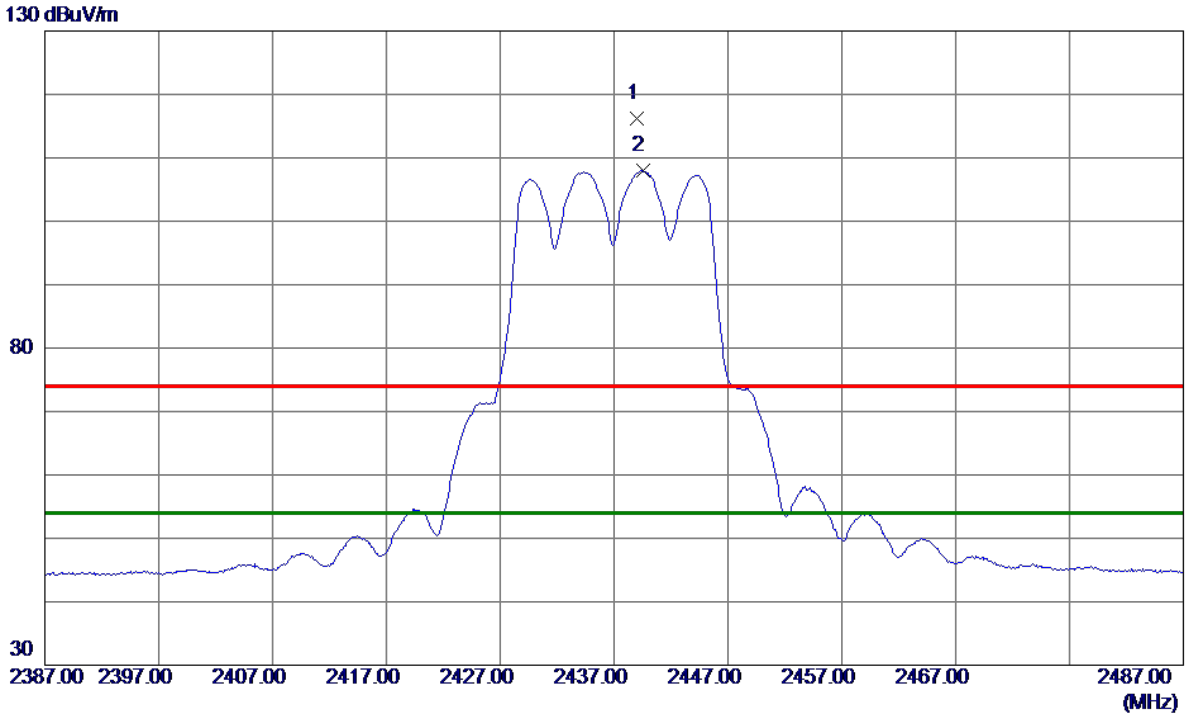
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2417 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4833.2559	28.02	5.27	33.29	54.00	-20.71	AVG	
2	4833.4940	39.69	5.28	44.97	74.00	-29.03	Peak	

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

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2439.0000	107.89	8.37	116.26	74.00	42.26	Peak	No Limit
2 *	2439.5000	99.61	8.37	107.98	54.00	53.98	AVG	No Limit

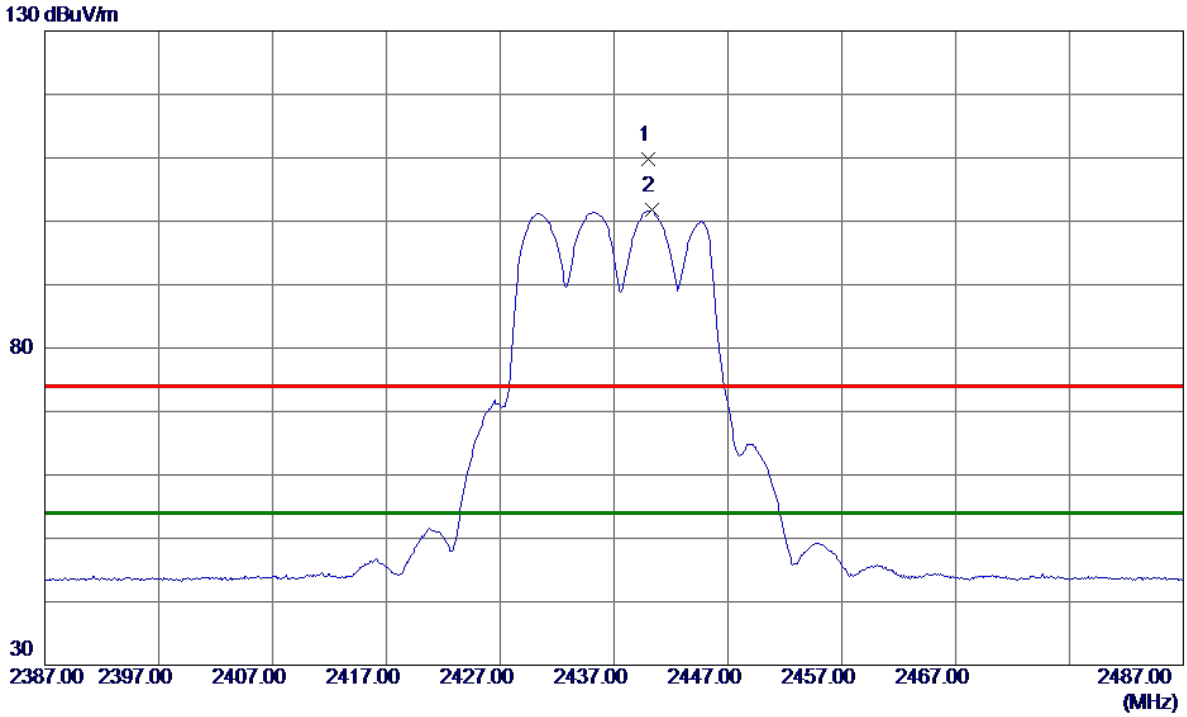
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.9200	37.81	5.48	43.29	74.00	-30.71	Peak	
2 *	4881.4800	28.33	5.52	33.85	54.00	-20.15	AVG	

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

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2440.0000	101.33	8.37	109.70	74.00	35.70	Peak	No Limit
2 *	2440.3000	93.33	8.37	101.70	54.00	47.70	AVG	No Limit

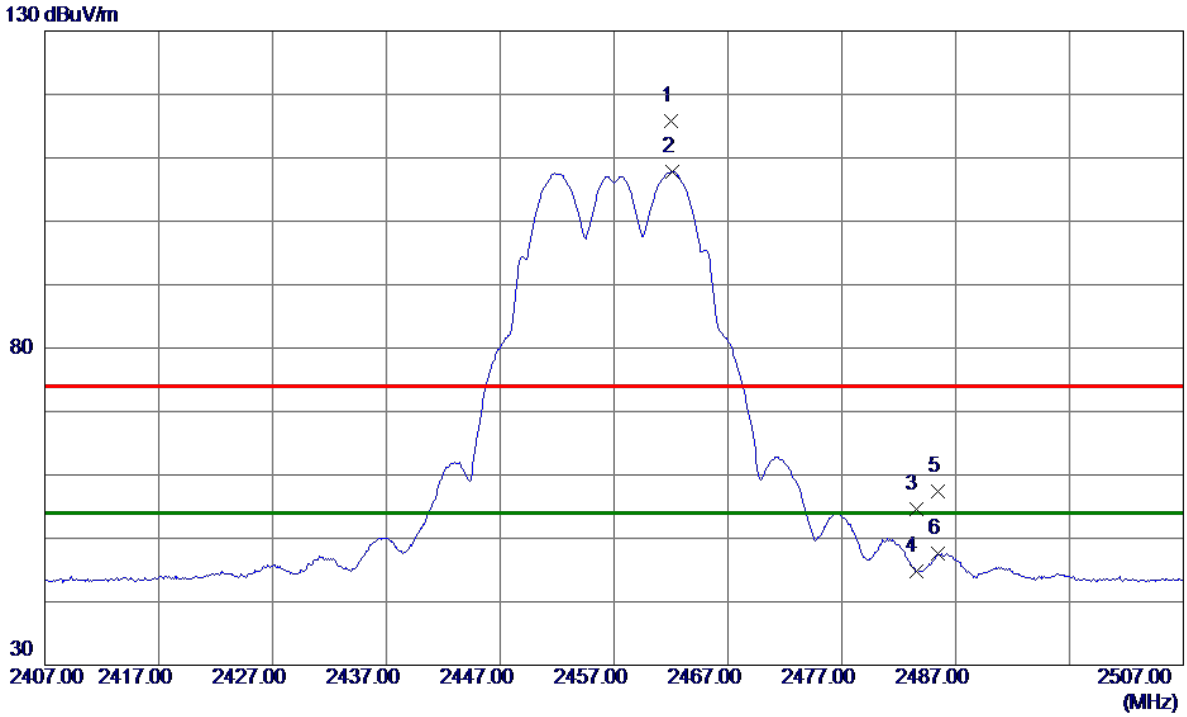
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4869.9200	38.78	5.46	44.24	74.00	-29.76	Peak	
2 *	4883.1000	28.35	5.53	33.88	54.00	-20.12	AVG	

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

Test Mode	TX G Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2462.0000	107.38	8.40	115.78	74.00	41.78	Peak	No Limit
2 *	2462.1000	99.43	8.40	107.83	54.00	53.83	AVG	No Limit
3	2483.5000	46.22	8.42	54.64	74.00	-19.36	Peak	
4	2483.5000	36.46	8.42	44.88	54.00	-9.12	AVG	
5	2485.4000	49.04	8.43	57.47	74.00	-16.53	Peak	
6	2485.4000	39.09	8.43	47.52	54.00	-6.48	AVG	

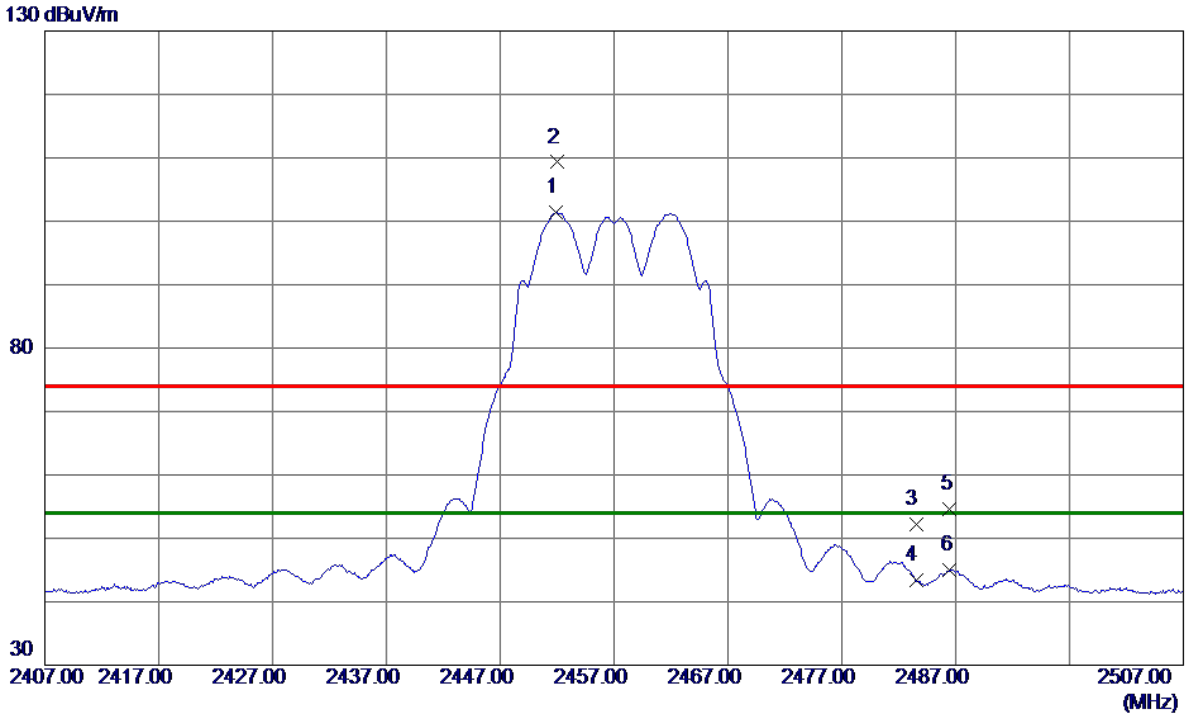
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2457 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4914.1790	28.63	5.68	34.31	54.00	-19.69	AVG	
2	4914.3260	40.23	5.69	45.92	74.00	-28.08	Peak	

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

Test Mode	TX G Mode 2457 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2451.9000	92.97	8.38	101.35	54.00	47.35	AVG	No Limit
2	2452.0000	100.92	8.38	109.30	74.00	35.30	Peak	No Limit
3	2483.5000	43.78	8.42	52.20	74.00	-21.80	Peak	
4	2483.5000	34.98	8.42	43.40	54.00	-10.60	AVG	
5	2486.5000	46.14	8.43	54.57	74.00	-19.43	Peak	
6	2486.5000	36.64	8.43	45.07	54.00	-8.93	AVG	

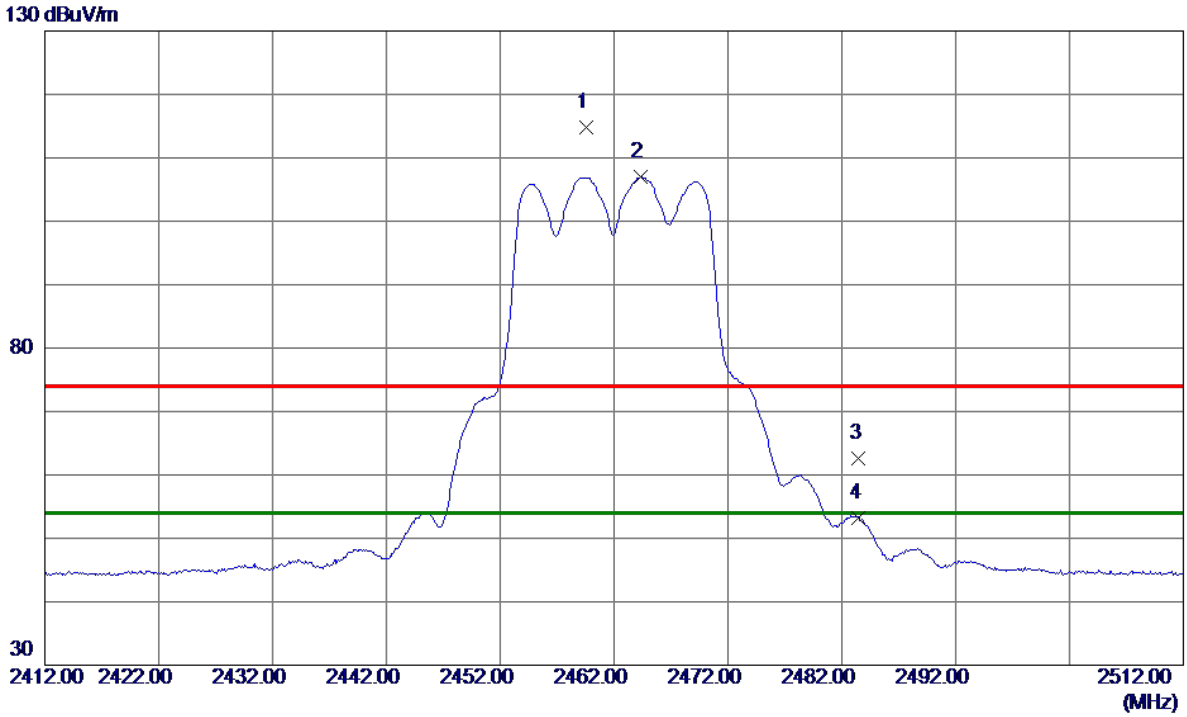
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2457 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4913.3060	28.31	5.68	33.99	54.00	-20.01	AVG	
2	4913.7490	40.36	5.68	46.04	74.00	-27.96	Peak	

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

Test Mode	TX G Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2459.6000	106.33	8.39	114.72	74.00	40.72	Peak	No Limit
2 *	2464.3000	98.59	8.40	106.99	54.00	52.99	AVG	No Limit
3	2483.5000	54.22	8.42	62.64	74.00	-11.36	Peak	
4	2483.5000	44.74	8.42	53.16	54.00	-0.84	AVG	

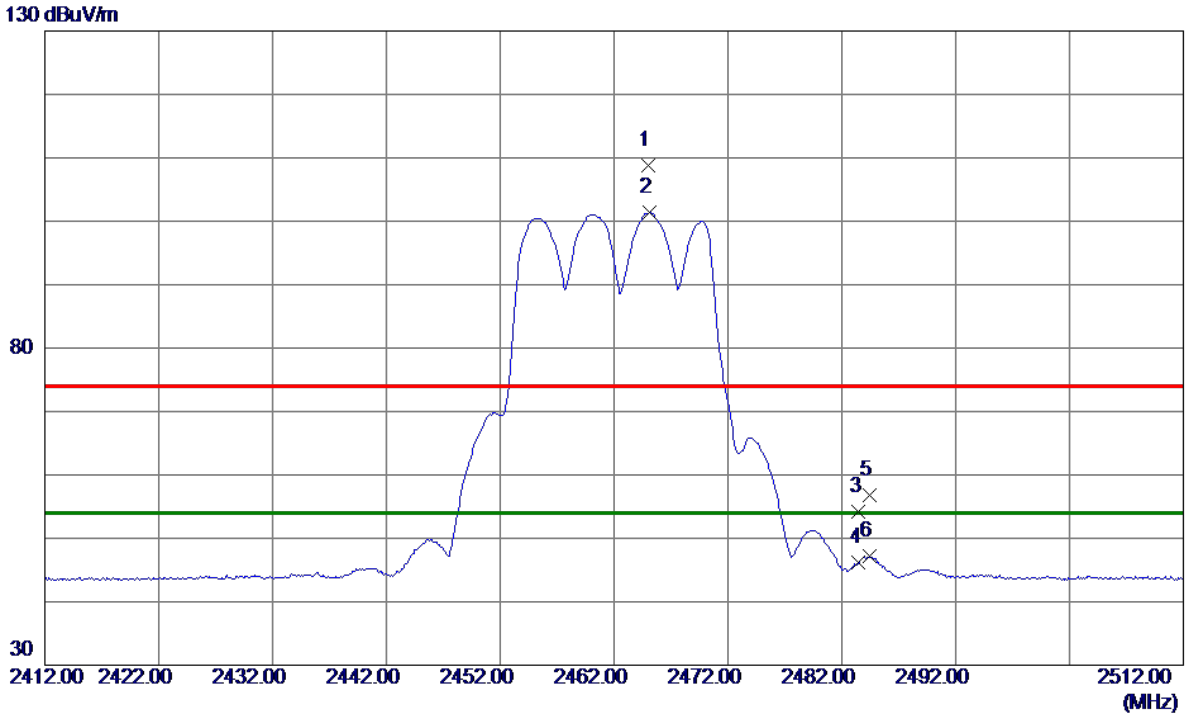
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2462 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4914.5200	38.68	5.69	44.37	74.00	-29.63	Peak	
2 *	4927.5600	28.53	5.75	34.28	54.00	-19.72	AVG	

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2465.0000	100.46	8.40	108.86	74.00	34.86	Peak	No Limit
2 *	2465.1000	92.93	8.40	101.33	54.00	47.33	AVG	No Limit
3	2483.5000	45.77	8.42	54.19	74.00	-19.81	Peak	
4	2483.5000	37.74	8.42	46.16	54.00	-7.84	AVG	
5	2484.4000	48.38	8.43	56.81	74.00	-17.19	Peak	
6	2484.4000	38.69	8.43	47.12	54.00	-6.88	AVG	

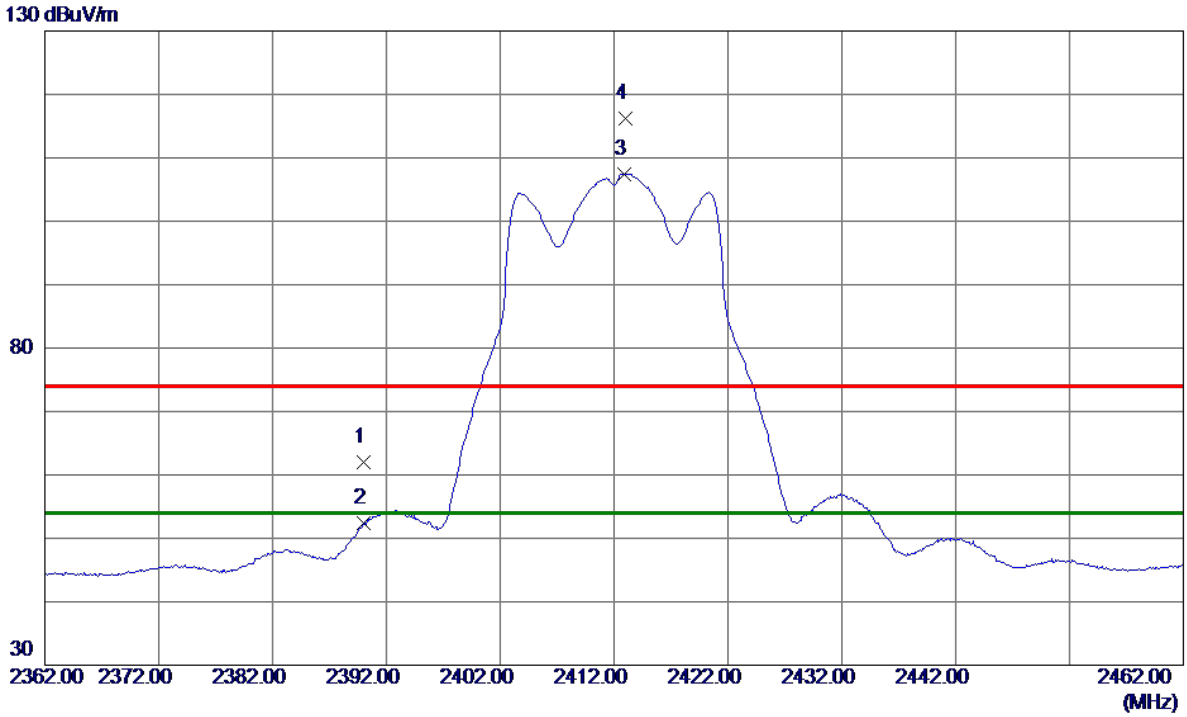
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4920.3600	38.12	5.72	43.84	74.00	-30.16	Peak	
2 *	4922.6800	28.60	5.73	34.33	54.00	-19.67	AVG	

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	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	53.65	8.31	61.96	74.00	-12.04	Peak	
2	2390.0000	44.02	8.31	52.33	54.00	-1.67	AVG	
3 *	2412.9000	99.16	8.33	107.49	54.00	53.49	AVG	No Limit
4	2413.0000	107.91	8.33	116.24	74.00	42.24	Peak	No Limit

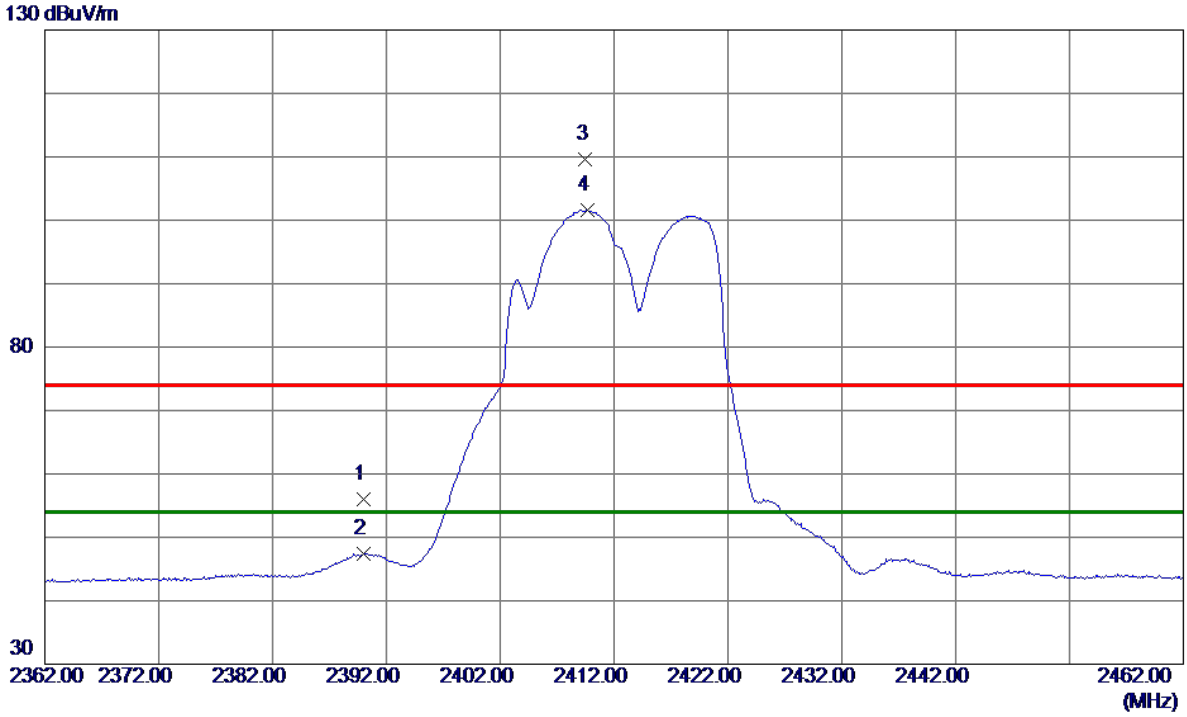
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4820.1200	39.00	5.21	44.21	74.00	-29.79	Peak	
2 *	4824.5400	28.88	5.23	34.11	54.00	-19.89	AVG	

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	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	47.73	8.31	56.04	74.00	-17.96	Peak	
2	2390.0000	39.06	8.31	47.37	54.00	-6.63	AVG	
3	2409.5000	101.32	8.33	109.65	74.00	35.65	Peak	No Limit
4 *	2409.7000	93.25	8.33	101.58	54.00	47.58	AVG	No Limit

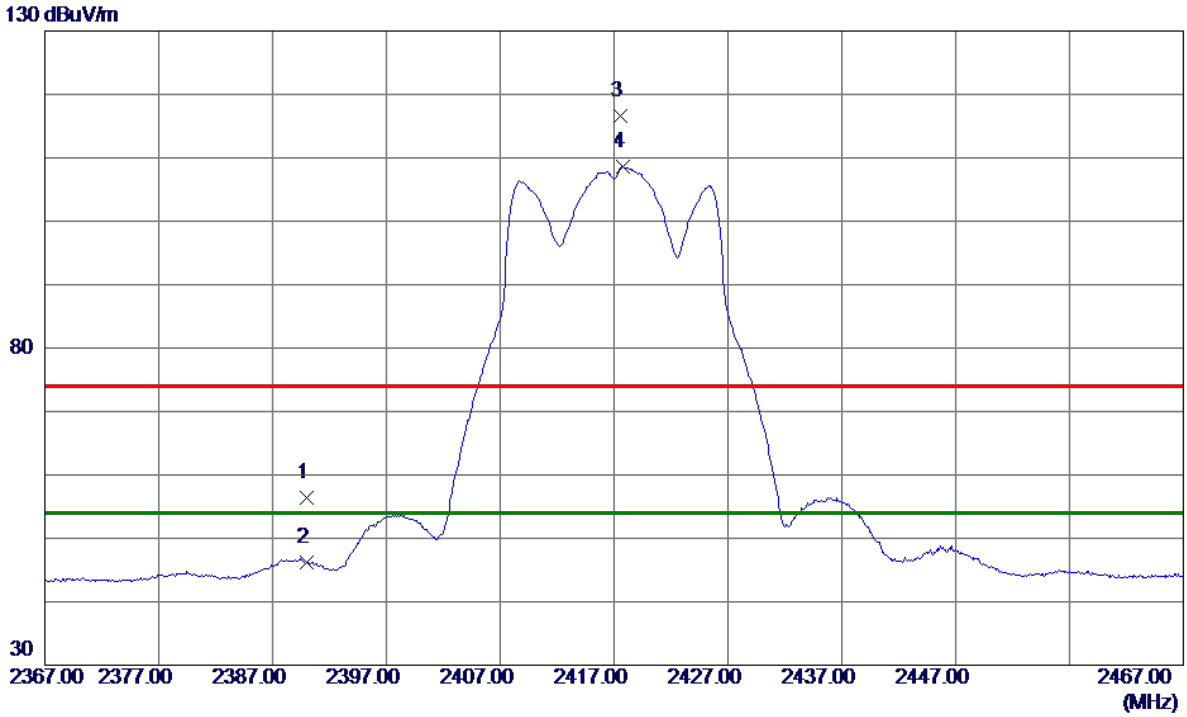
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4816.3600	39.69	5.19	44.88	74.00	-29.12	Peak	
2 *	4821.4400	28.75	5.21	33.96	54.00	-20.04	AVG	

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

Test Mode	TX N(HT20) Mode 2417 MHz	Polarization	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	48.03	8.31	56.34	74.00	-17.66	Peak	
2	2390.0000	37.94	8.31	46.25	54.00	-7.75	AVG	
3	2417.6000	108.18	8.34	116.52	74.00	42.52	Peak	No Limit
4 *	2417.8000	100.21	8.34	108.55	54.00	54.55	AVG	No Limit

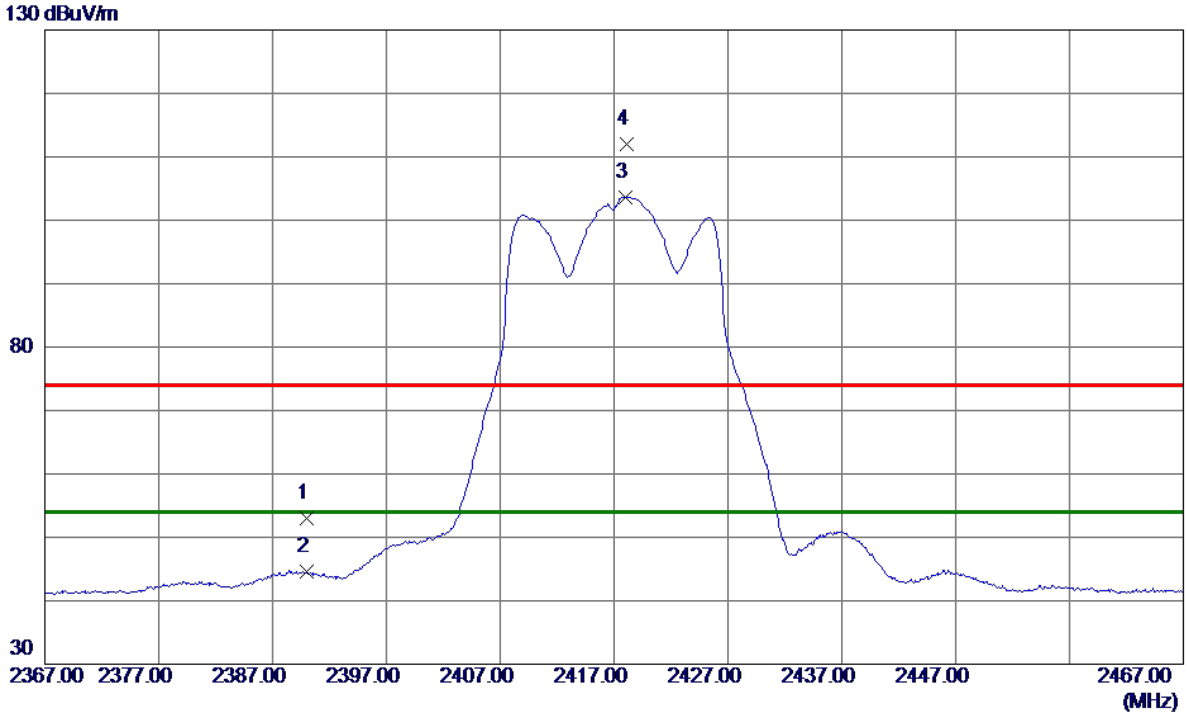
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT20) Mode 2417 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4833.1400	39.28	5.27	44.55	74.00	-29.45	Peak	
2 *	4833.4340	28.39	5.28	33.67	54.00	-20.33	AVG	

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

Test Mode	TX N(HT20) Mode 2417 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	44.68	8.31	52.99	74.00	-21.01	Peak	
2	2390.0000	36.20	8.31	44.51	54.00	-9.49	AVG	
3 *	2418.0000	95.30	8.34	103.64	54.00	49.64	AVG	No Limit
4	2418.1000	103.70	8.34	112.04	74.00	38.04	Peak	No Limit

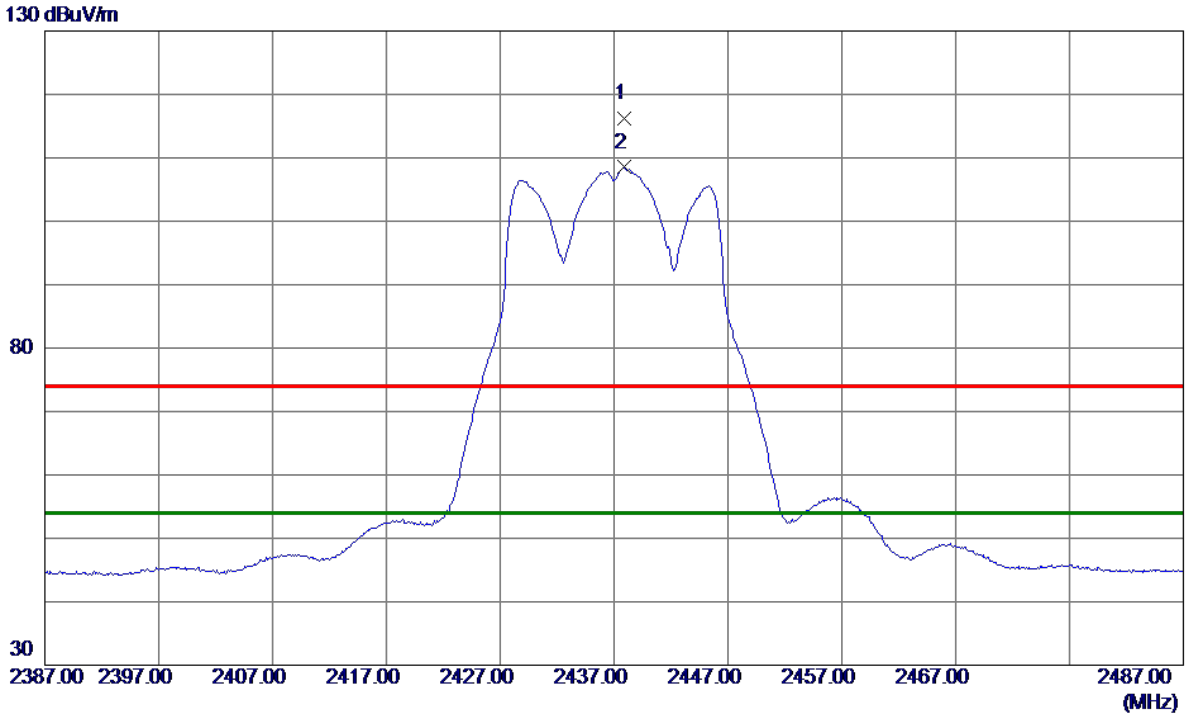
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT20) Mode 2417 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4833.4980	39.35	5.28	44.63	74.00	-29.37	Peak	
2 *	4834.1070	28.10	5.28	33.38	54.00	-20.62	AVG	

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2437.9000	107.85	8.37	116.22	74.00	42.22	Peak	No Limit
2 *	2437.9000	100.13	8.37	108.50	54.00	54.50	AVG	No Limit

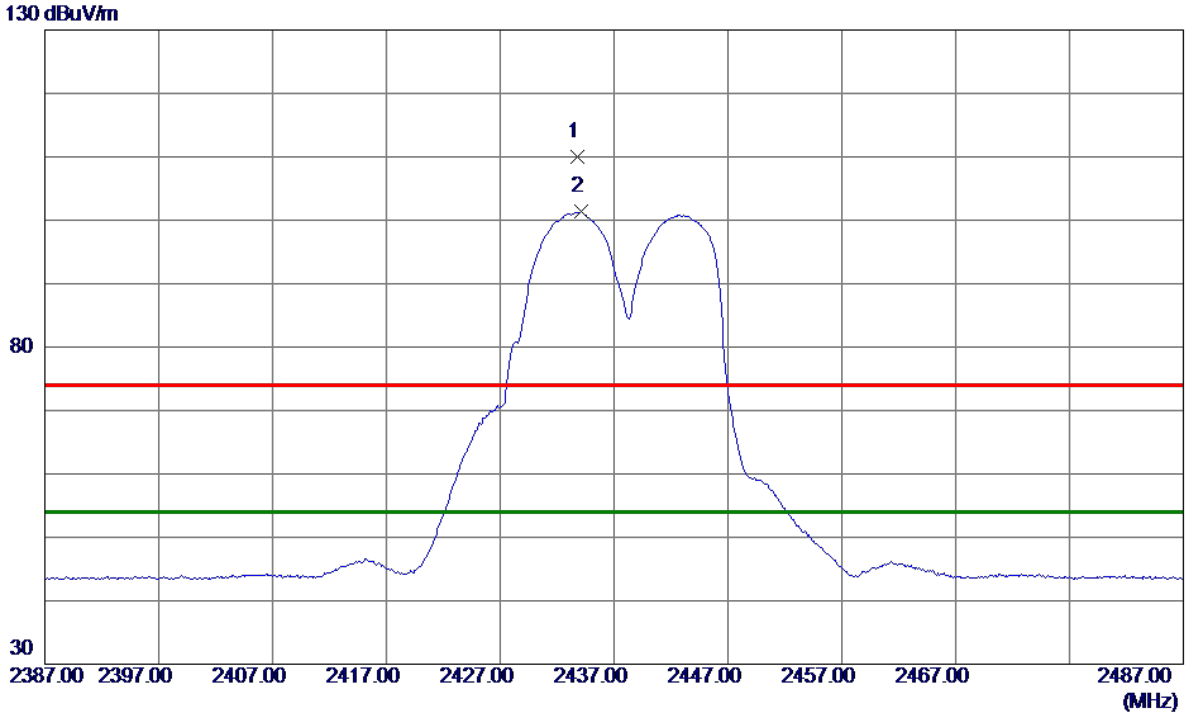
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4875.3600	38.02	5.49	43.51	74.00	-30.49	Peak	
2 *	4881.6200	28.48	5.52	34.00	54.00	-20.00	AVG	

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2433.8000	101.58	8.36	109.94	74.00	35.94	Peak	No Limit
2 *	2434.1000	93.07	8.36	101.43	54.00	47.43	AVG	No Limit

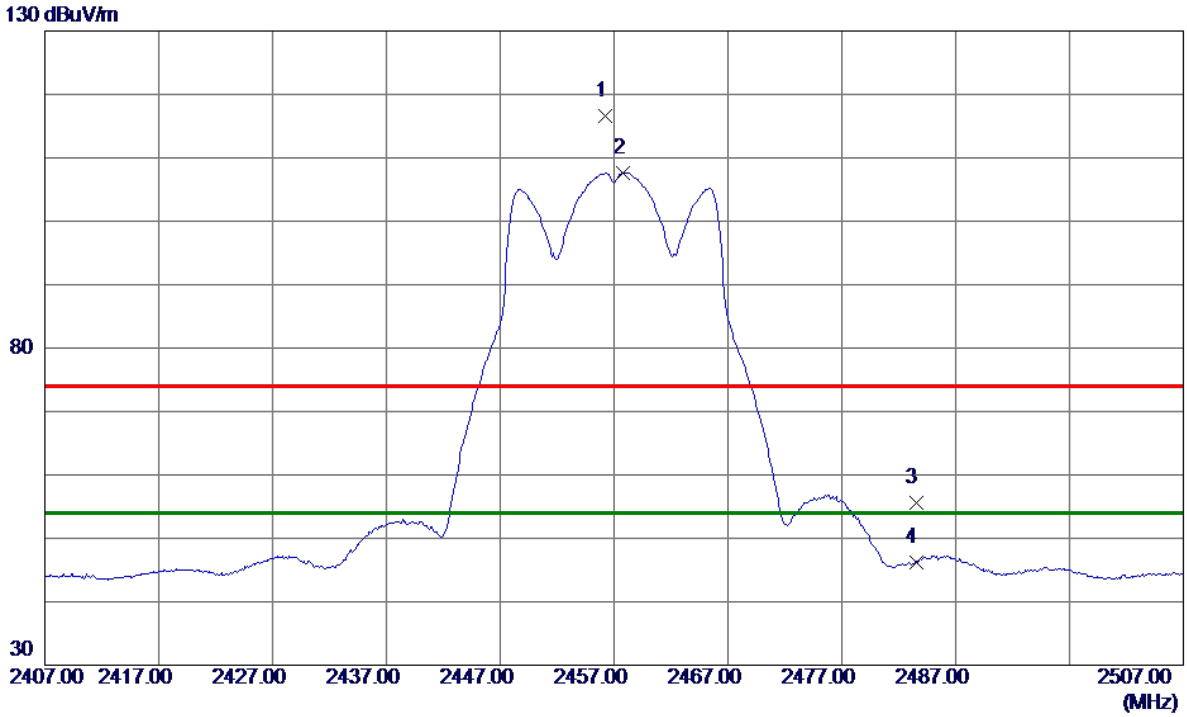
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4871.6000	38.95	5.47	44.42	74.00	-29.58	Peak	
2 *	4875.1200	28.47	5.49	33.96	54.00	-20.04	AVG	

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

Test Mode	TX N(HT20) Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2456.2000	108.23	8.39	116.62	74.00	42.62	Peak	No Limit
2 *	2457.8000	99.25	8.39	107.64	54.00	53.64	AVG	No Limit
3	2483.5000	47.15	8.42	55.57	74.00	-18.43	Peak	
4	2483.5000	37.86	8.42	46.28	54.00	-7.72	AVG	

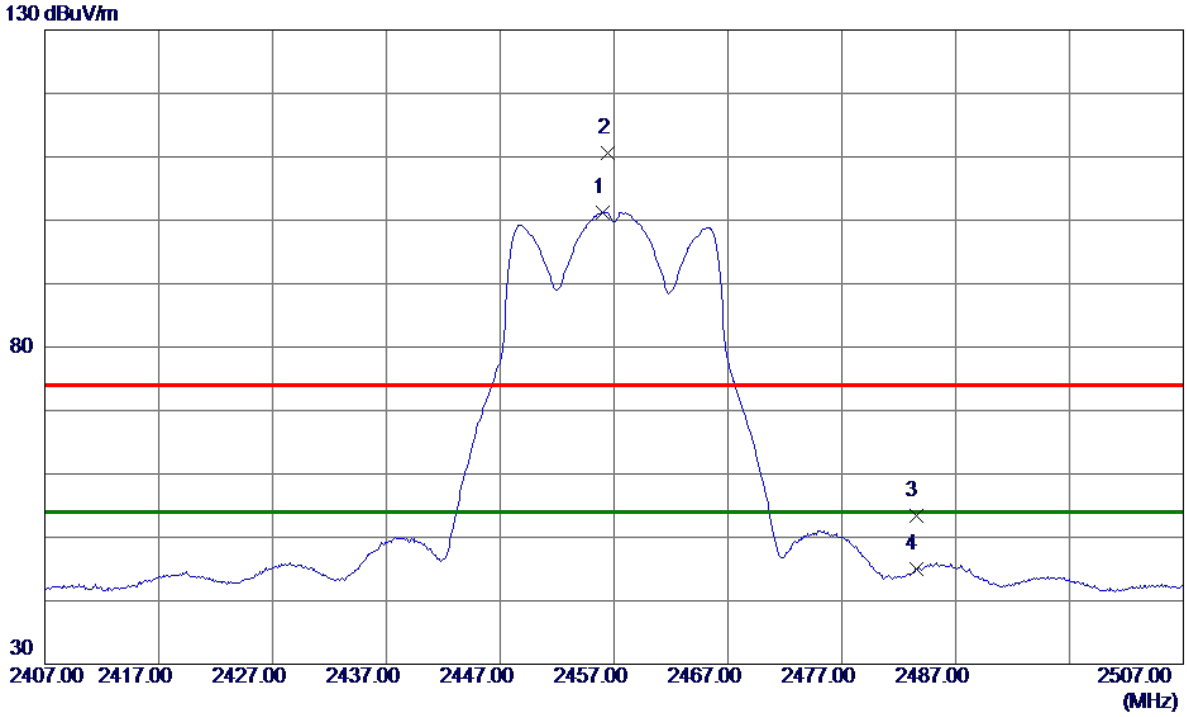
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT20) Mode 2457 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4913.6440	39.66	5.68	45.34	74.00	-28.66	Peak	
2 *	4914.6620	28.15	5.69	33.84	54.00	-20.16	AVG	

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

Test Mode	TX N(HT20) Mode 2457 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2456.0000	92.87	8.39	101.26	54.00	47.26	AVG	No Limit
2	2456.4000	102.26	8.39	110.65	74.00	36.65	Peak	No Limit
3	2483.5000	44.94	8.42	53.36	74.00	-20.64	Peak	
4	2483.5000	36.65	8.42	45.07	54.00	-8.93	AVG	

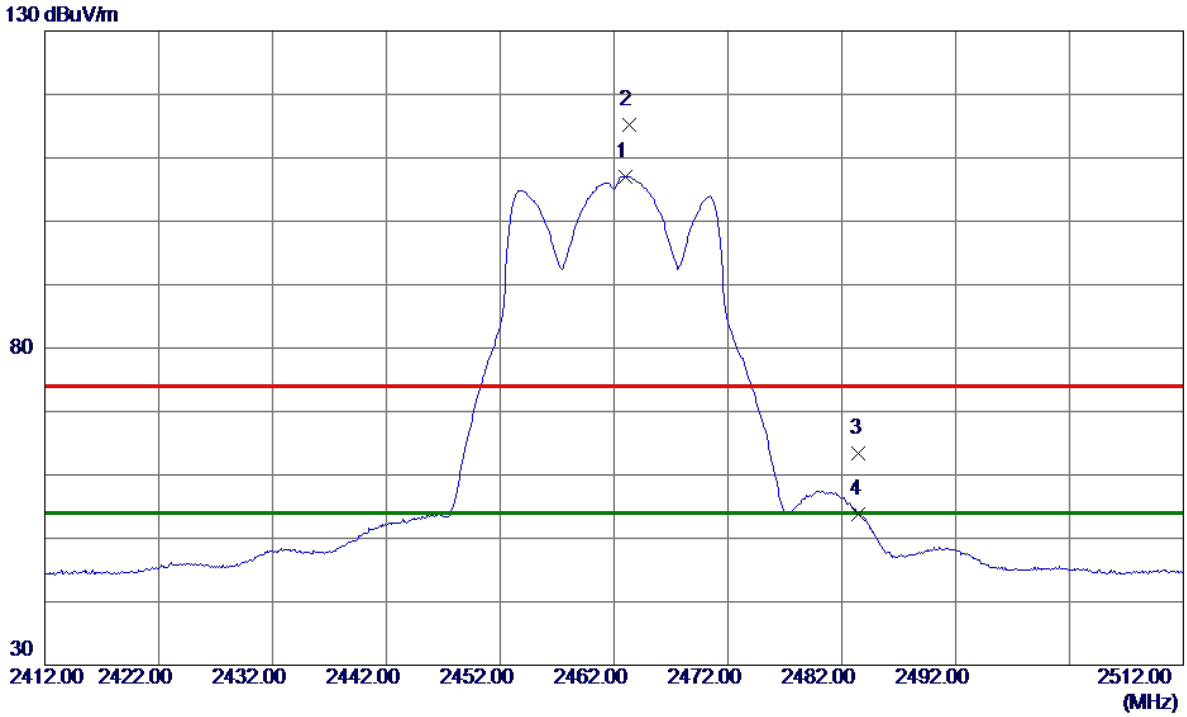
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT20) Mode 2457 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4914.0430	39.35	5.68	45.03	74.00	-28.97	Peak	
2 *	4914.1420	28.10	5.68	33.78	54.00	-20.22	AVG	

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

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



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2463.0000	98.68	8.40	107.08	54.00	53.08	AVG	No Limit
2	2463.3000	106.79	8.40	115.19	74.00	41.19	Peak	No Limit
3	2483.5000	55.03	8.42	63.45	74.00	-10.55	Peak	
4	2483.5000	45.36	8.42	53.78	54.00	-0.22	AVG	

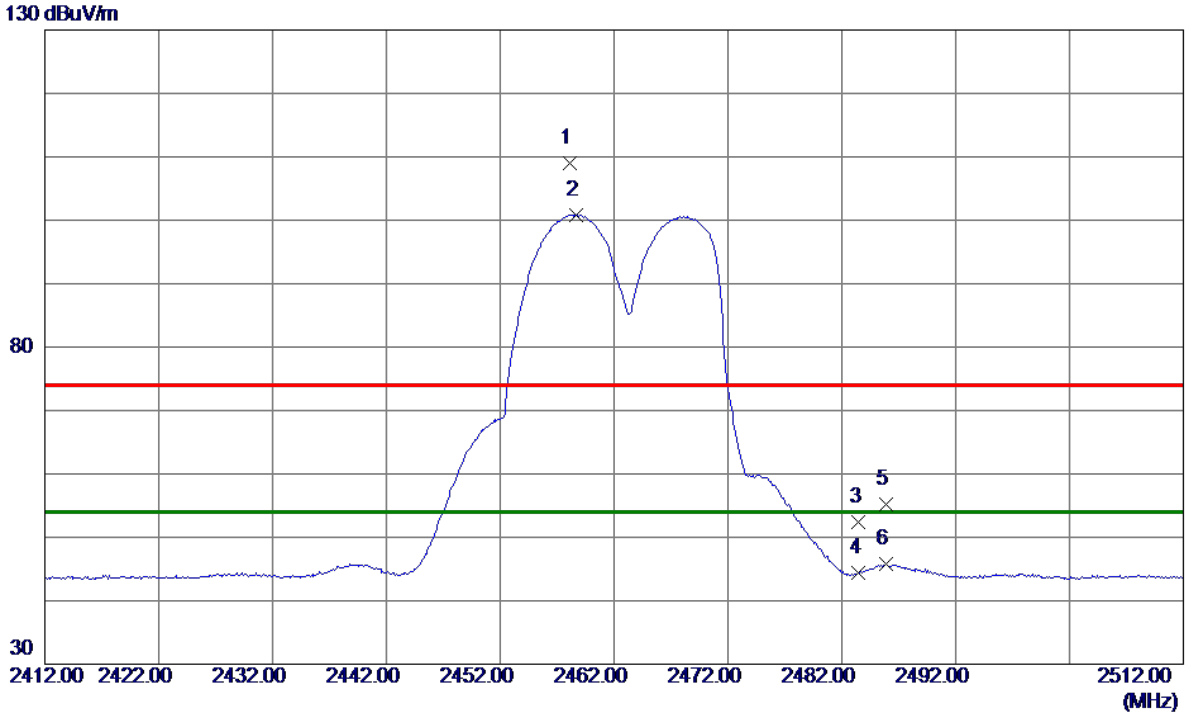
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4915.2400	28.65	5.69	34.34	54.00	-19.66	AVG	
2	4925.6600	39.25	5.74	44.99	74.00	-29.01	Peak	

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

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



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2458.1000	100.71	8.39	109.10	74.00	35.10	Peak	No Limit
2 *	2458.7000	92.50	8.39	100.89	54.00	46.89	AVG	No Limit
3	2483.5000	44.01	8.42	52.43	74.00	-21.57	Peak	
4	2483.5000	36.00	8.42	44.42	54.00	-9.58	AVG	
5	2485.9000	46.76	8.43	55.19	74.00	-18.81	Peak	
6	2485.9000	37.32	8.43	45.75	54.00	-8.25	AVG	

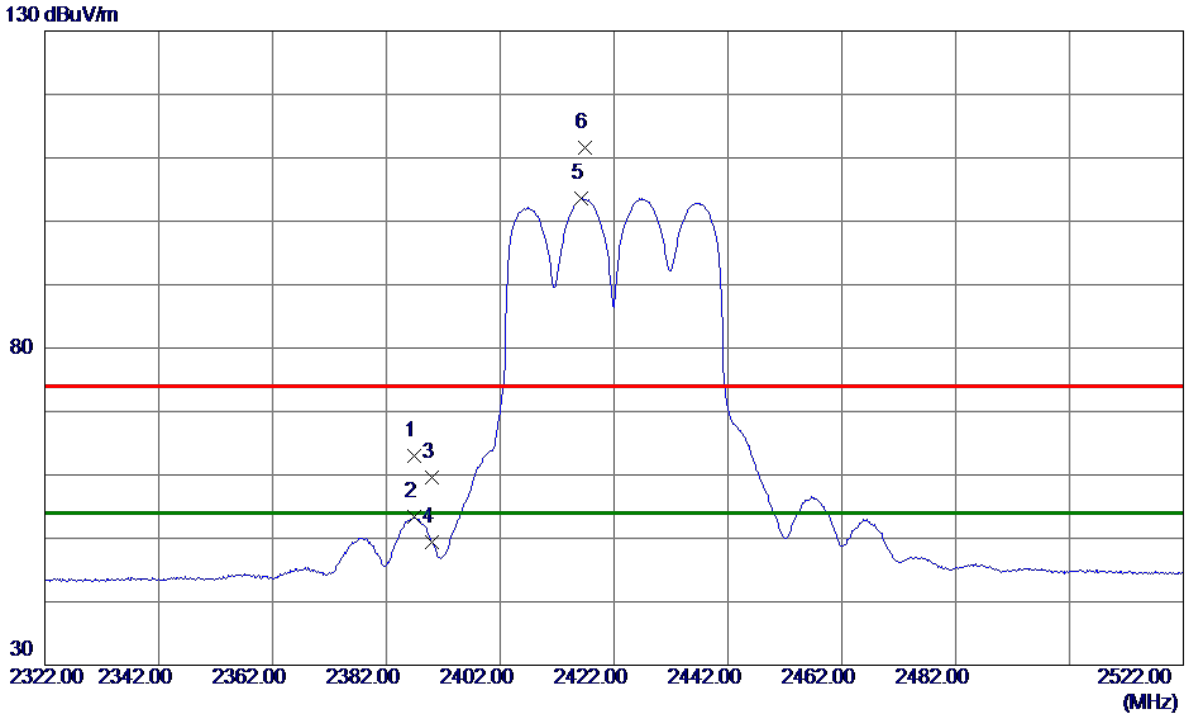
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4914.5000	38.74	5.69	44.43	74.00	-29.57	Peak	
2 *	4925.3400	28.46	5.74	34.20	54.00	-19.80	AVG	

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2386.8000	54.76	8.30	63.06	74.00	-10.94	Peak	
2	2386.8000	45.04	8.30	53.34	54.00	-0.66	AVG	
3	2390.0000	51.24	8.31	59.55	74.00	-14.45	Peak	
4	2390.0000	41.09	8.31	49.40	54.00	-4.60	AVG	
5 *	2416.2000	95.21	8.34	103.55	54.00	49.55	AVG	No Limit
6	2416.8000	103.17	8.34	111.51	74.00	37.51	Peak	No Limit

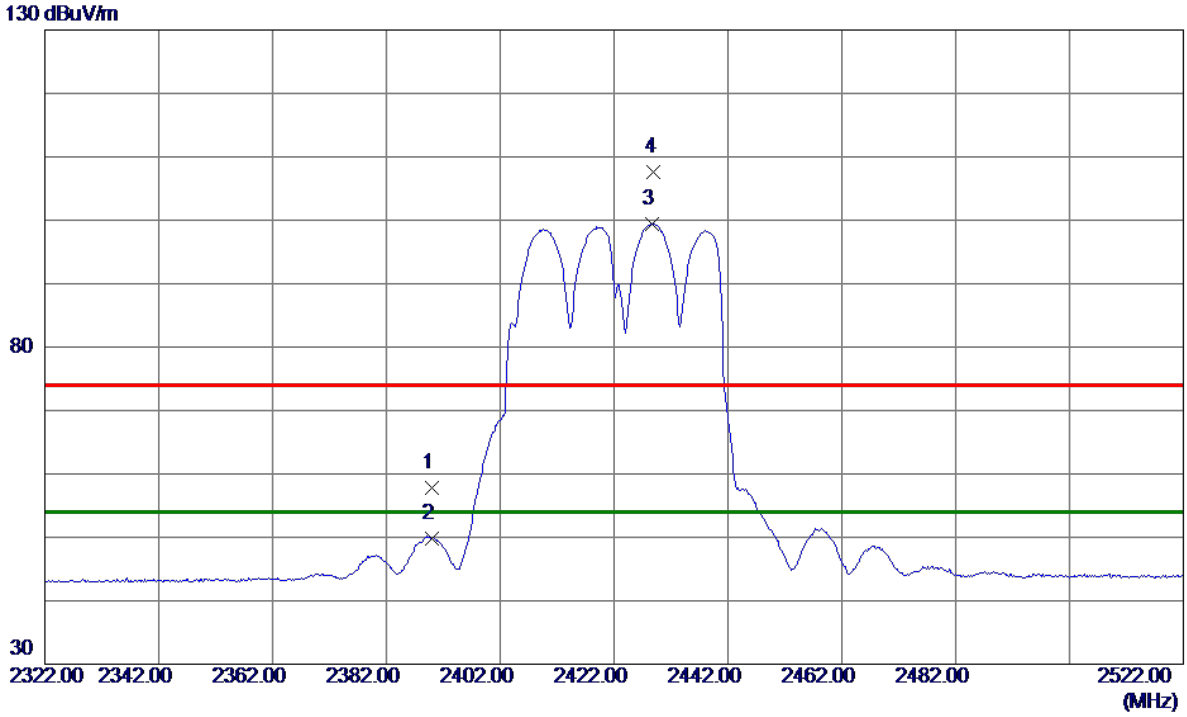
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4836.5200	28.48	5.29	33.77	54.00	-20.23	AVG	
2	4848.4200	38.44	5.35	43.79	74.00	-30.21	Peak	

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	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	49.42	8.31	57.73	74.00	-16.27	Peak	
2	2390.0000	41.54	8.31	49.85	54.00	-4.15	AVG	
3 *	2428.6000	91.14	8.35	99.49	54.00	45.49	AVG	No Limit
4	2429.0000	99.24	8.35	107.59	74.00	33.59	Peak	No Limit

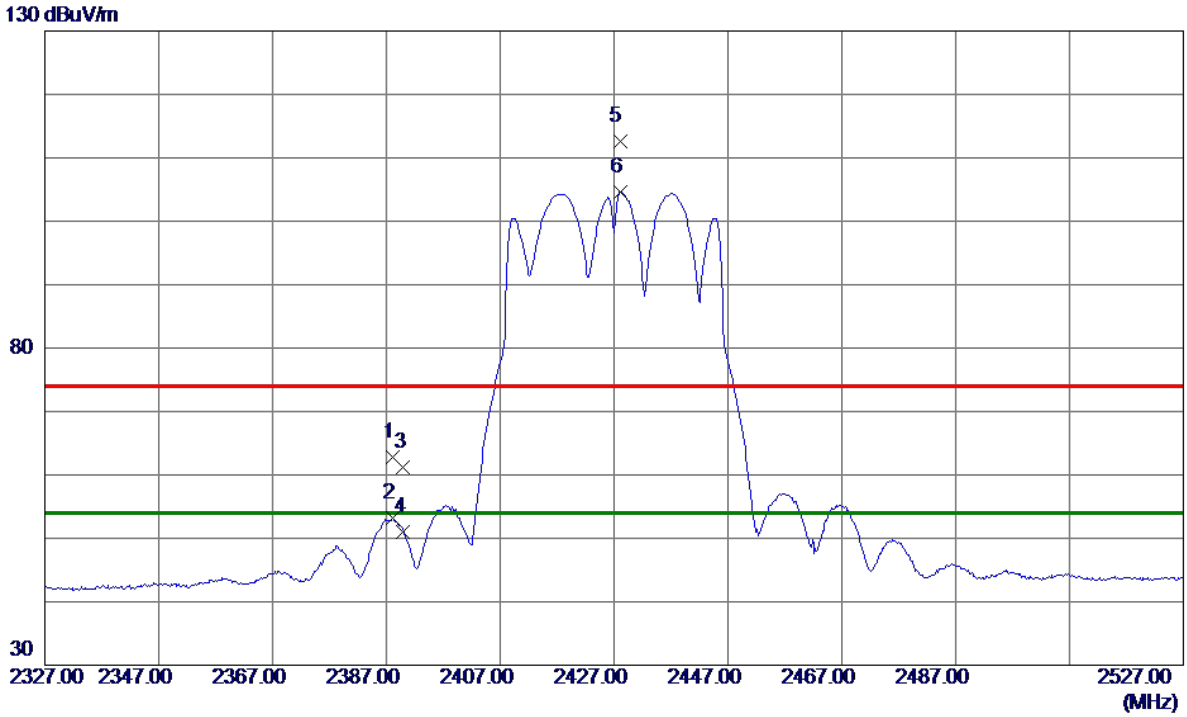
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4837.9200	28.45	5.30	33.75	54.00	-20.25	AVG	
2	4851.0600	38.35	5.36	43.71	74.00	-30.29	Peak	

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

Test Mode	TX N(HT40) Mode 2427 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.2000	54.48	8.30	62.78	74.00	-11.22	Peak	
2	2388.2000	44.96	8.30	53.26	54.00	-0.74	AVG	
3	2390.0000	52.90	8.31	61.21	74.00	-12.79	Peak	
4	2390.0000	42.78	8.31	51.09	54.00	-2.91	AVG	
5	2428.0000	104.27	8.35	112.62	74.00	38.62	Peak	No Limit
6 *	2428.2000	96.21	8.35	104.56	54.00	50.56	AVG	No Limit

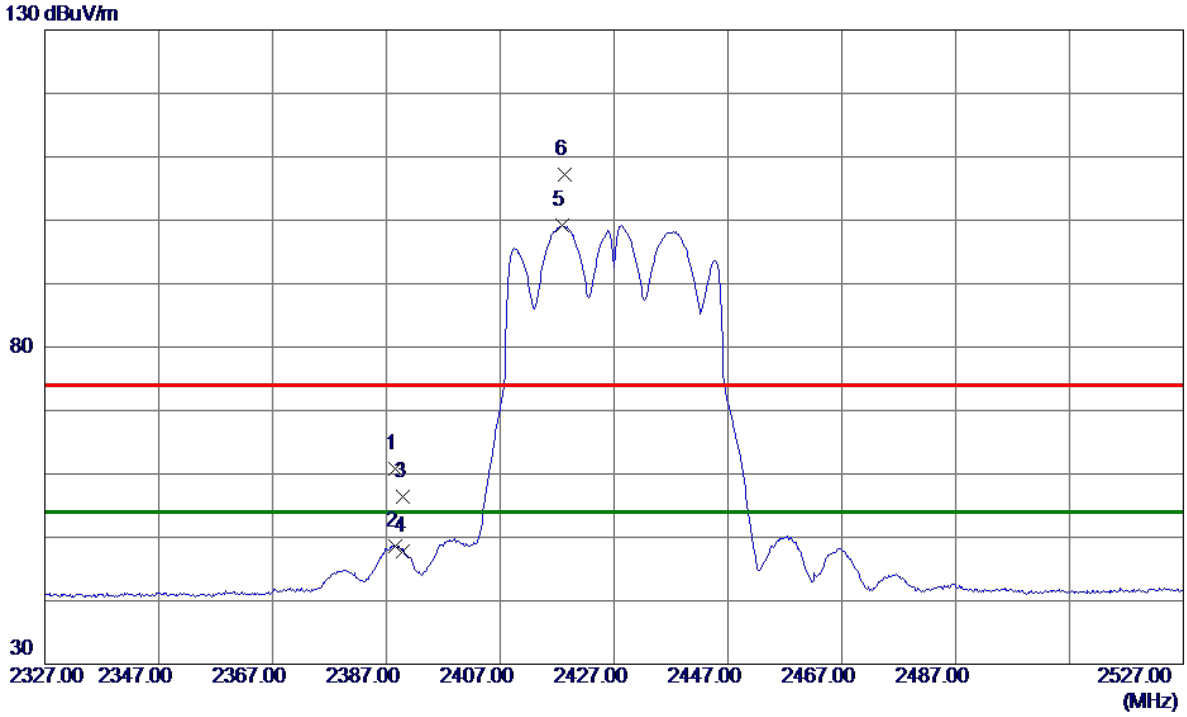
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT40) Mode 2427 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4853.1400	27.68	5.38	33.06	54.00	-20.94	AVG	
2	4854.7559	38.79	5.38	44.17	74.00	-29.83	Peak	

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

Test Mode	TX N(HT40) Mode 2427 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.6000	52.53	8.30	60.83	74.00	-13.17	Peak	
2	2388.6000	40.38	8.30	48.68	54.00	-5.32	AVG	
3	2390.0000	48.14	8.31	56.45	74.00	-17.55	Peak	
4	2390.0000	39.51	8.31	47.82	54.00	-6.18	AVG	
5 *	2417.8000	90.81	8.34	99.15	54.00	45.15	AVG	No Limit
6	2418.4000	98.77	8.34	107.11	74.00	33.11	Peak	No Limit

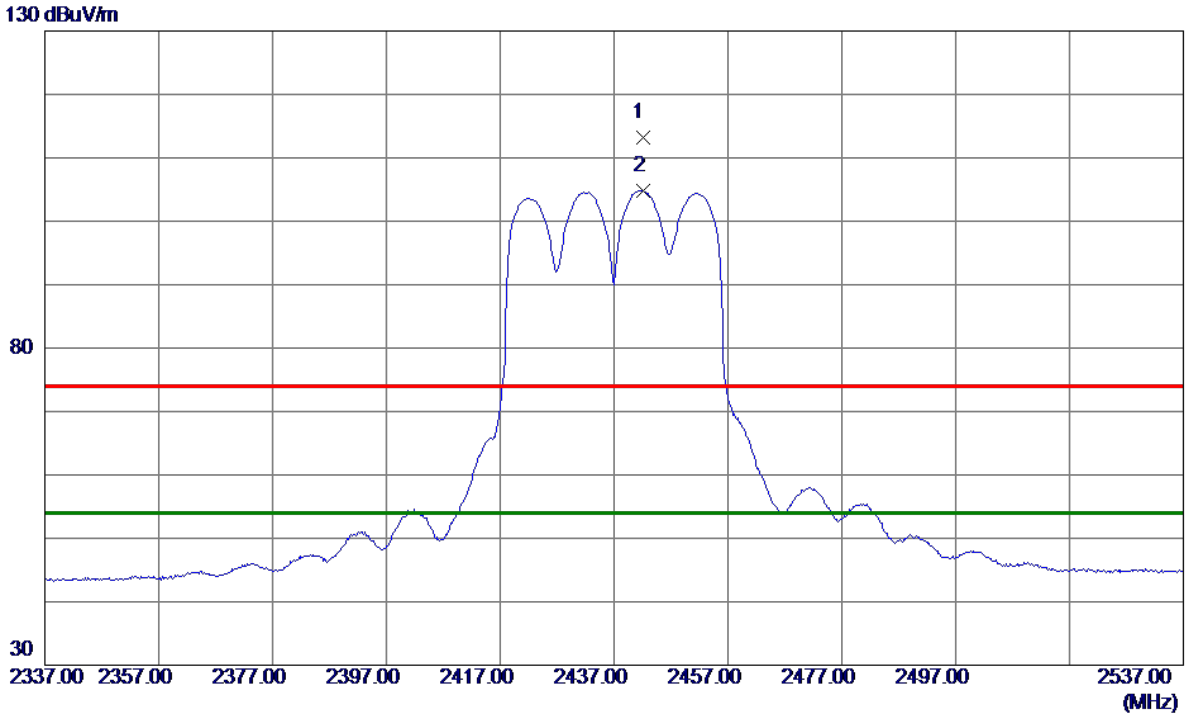
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT40) Mode 2427 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4853.8010	39.28	5.38	44.66	74.00	-29.34	Peak	
2 *	4854.8760	27.53	5.38	32.91	54.00	-21.09	AVG	

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

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2442.0000	104.81	8.37	113.18	74.00	39.18	Peak	No Limit
2 *	2442.2000	96.50	8.37	104.87	54.00	50.87	AVG	No Limit

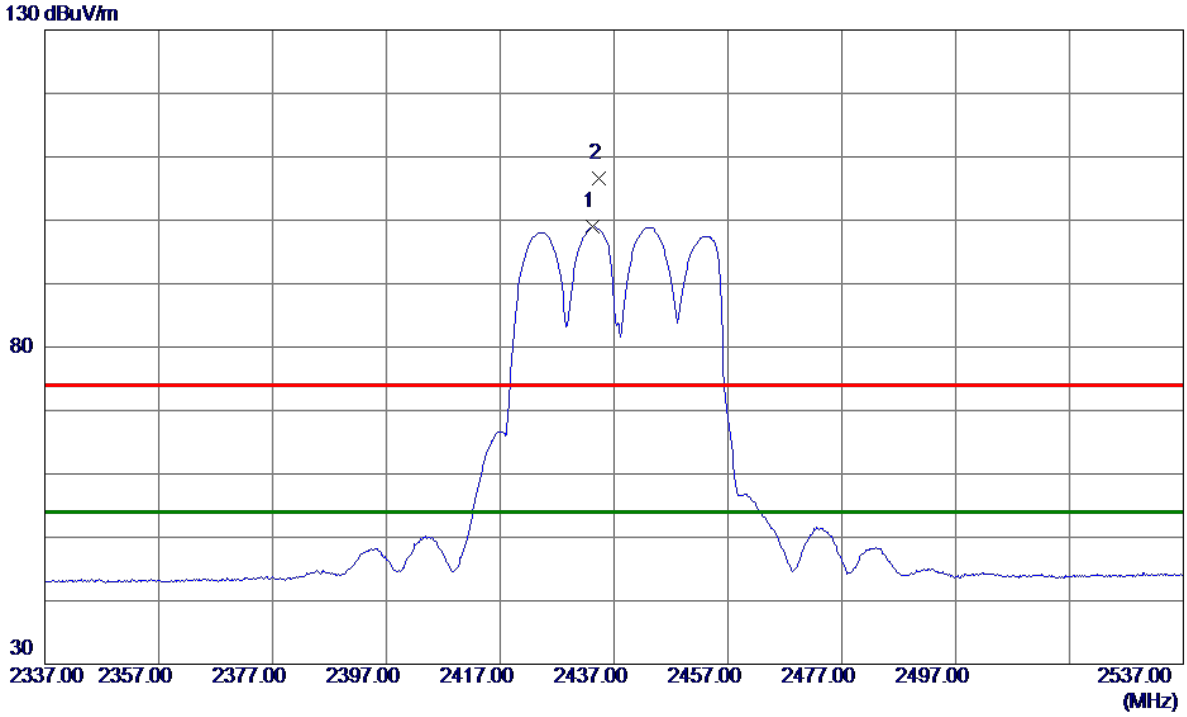
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4872.2799	38.32	5.47	43.79	74.00	-30.21	Peak	
2 *	4880.7200	28.50	5.52	34.02	54.00	-19.98	AVG	

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

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2433.2000	90.65	8.36	99.01	54.00	45.01	AVG	No Limit
2	2434.4000	98.21	8.36	106.57	74.00	32.57	Peak	No Limit

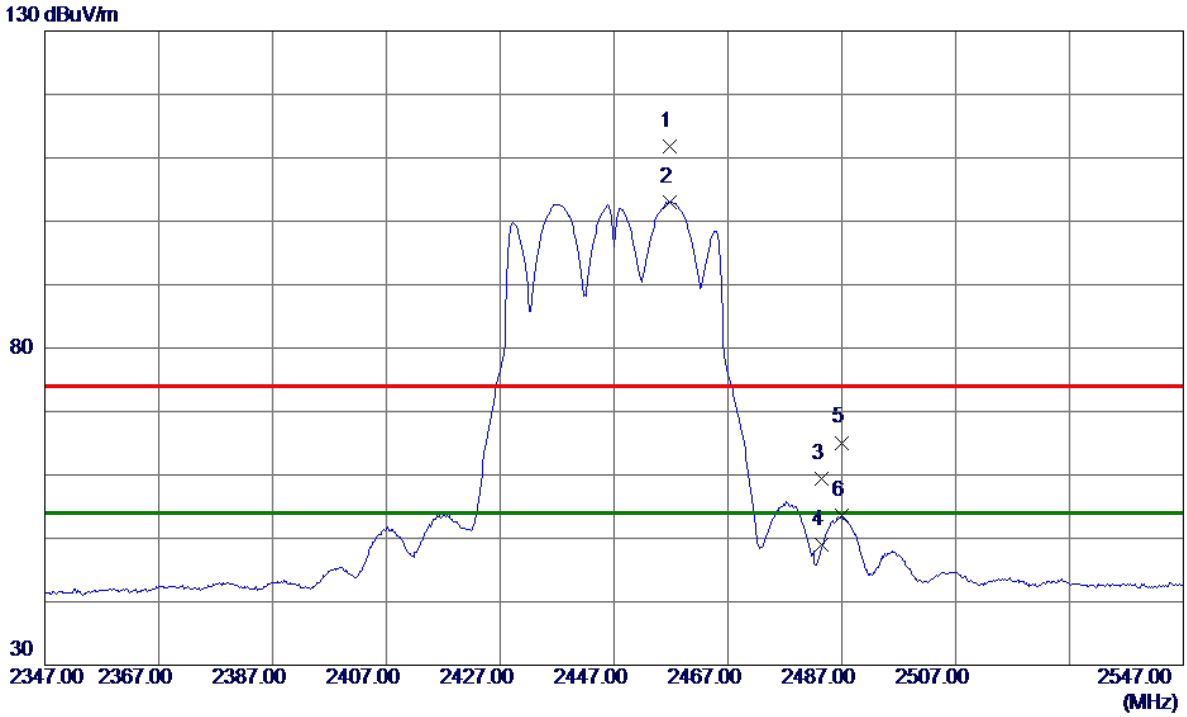
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4865.1800	38.54	5.44	43.98	74.00	-30.02	Peak	
2 *	4880.7799	28.17	5.52	33.69	54.00	-20.31	AVG	

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

Test Mode	TX N(HT40) Mode 2447 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2456.8000	103.49	8.39	111.88	74.00	37.88	Peak	No Limit
2 *	2456.8000	94.66	8.39	103.05	54.00	49.05	AVG	No Limit
3	2483.5000	50.99	8.42	59.41	74.00	-14.59	Peak	
4	2483.5000	40.56	8.42	48.98	54.00	-5.02	AVG	
5	2487.0000	56.67	8.43	65.10	74.00	-8.90	Peak	
6	2487.0000	45.20	8.43	53.63	54.00	-0.37	AVG	

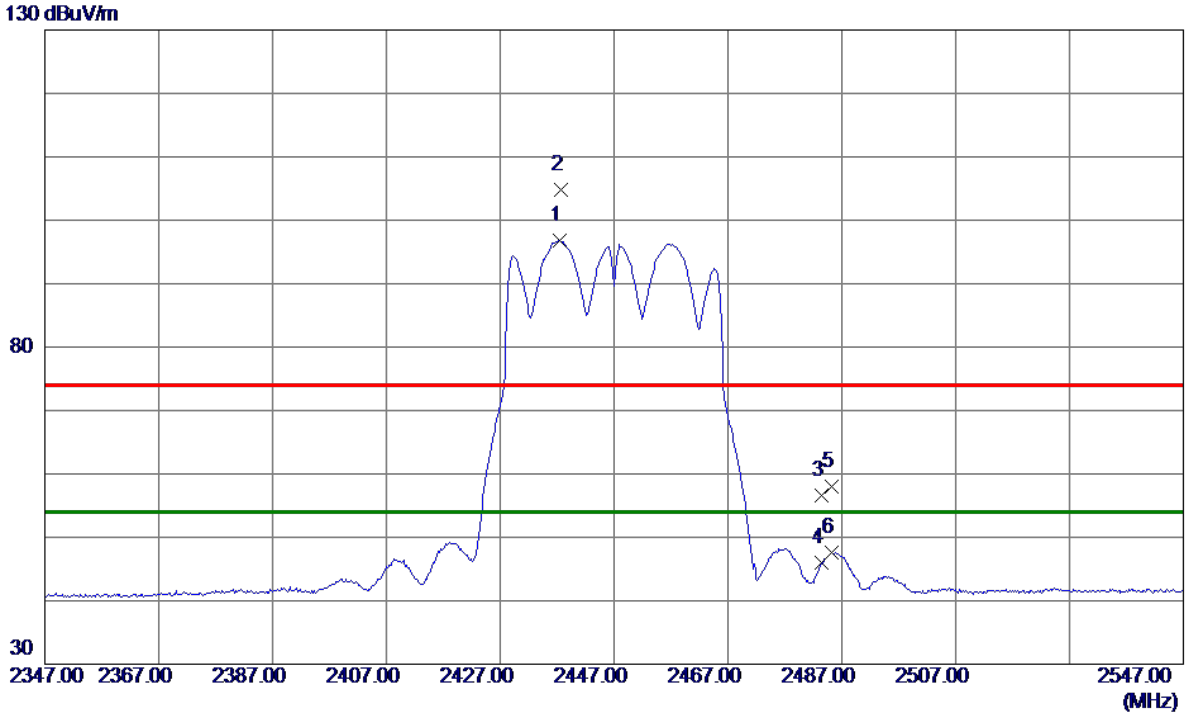
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT40) Mode 2447 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4893.6320	28.01	5.58	33.59	54.00	-20.41	AVG	
2	4893.7700	39.61	5.58	45.19	74.00	-28.81	Peak	

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

Test Mode	TX N(HT40) Mode 2447 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2437.4000	88.47	8.37	96.84	54.00	42.84	AVG	No Limit
2	2437.6000	96.41	8.37	104.78	74.00	30.78	Peak	No Limit
3	2483.5000	48.20	8.42	56.62	74.00	-17.38	Peak	
4	2483.5000	37.52	8.42	45.94	54.00	-8.06	AVG	
5	2485.2000	49.56	8.43	57.99	74.00	-16.01	Peak	
6	2485.2000	39.19	8.43	47.62	54.00	-6.38	AVG	

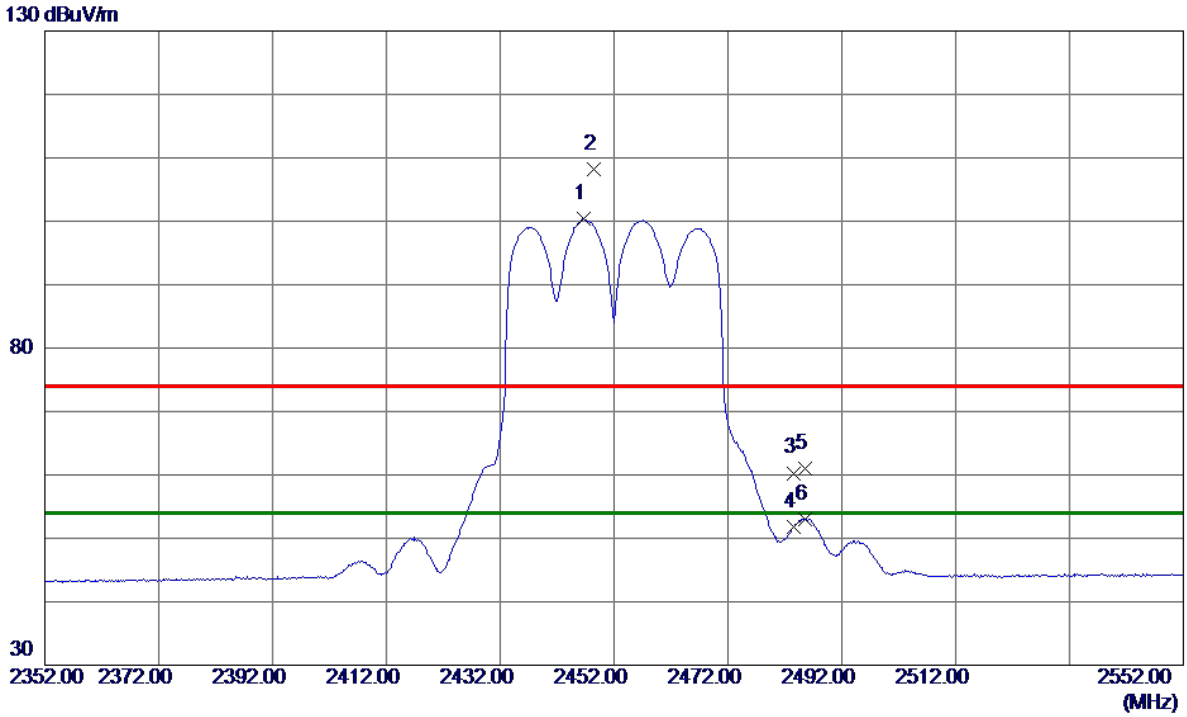
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT40) Mode 2447 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4893.5990	27.93	5.58	33.51	54.00	-20.49	AVG	
2	4894.9290	39.31	5.59	44.90	74.00	-29.10	Peak	

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

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2446.6000	92.11	8.38	100.49	54.00	46.49	AVG	No Limit
2	2448.4000	99.87	8.38	108.25	74.00	34.25	Peak	No Limit
3	2483.5000	51.88	8.42	60.30	74.00	-13.70	Peak	
4	2483.5000	43.37	8.42	51.79	54.00	-2.21	AVG	
5	2485.6000	52.51	8.43	60.94	74.00	-13.06	Peak	
6	2485.6000	44.65	8.43	53.08	54.00	-0.92	AVG	

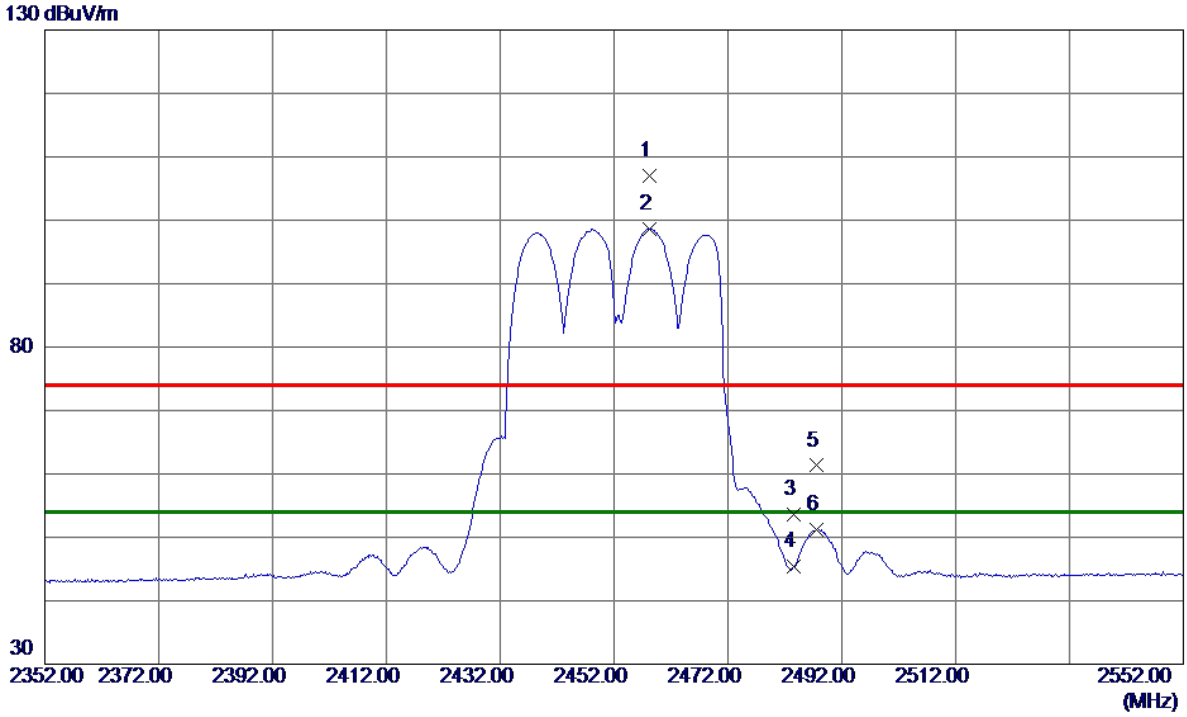
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4900.0600	38.59	5.61	44.20	74.00	-29.80	Peak	
2 *	4910.6800	28.74	5.67	34.41	54.00	-19.59	AVG	

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

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2458.2000	98.70	8.39	107.09	74.00	33.09	Peak	No Limit
2 *	2458.2000	90.26	8.39	98.65	54.00	44.65	AVG	No Limit
3	2483.5000	45.09	8.42	53.51	74.00	-20.49	Peak	
4	2483.5000	36.90	8.42	45.32	54.00	-8.68	AVG	
5	2487.6000	52.87	8.43	61.30	74.00	-12.70	Peak	
6	2487.6000	42.85	8.43	51.28	54.00	-2.72	AVG	

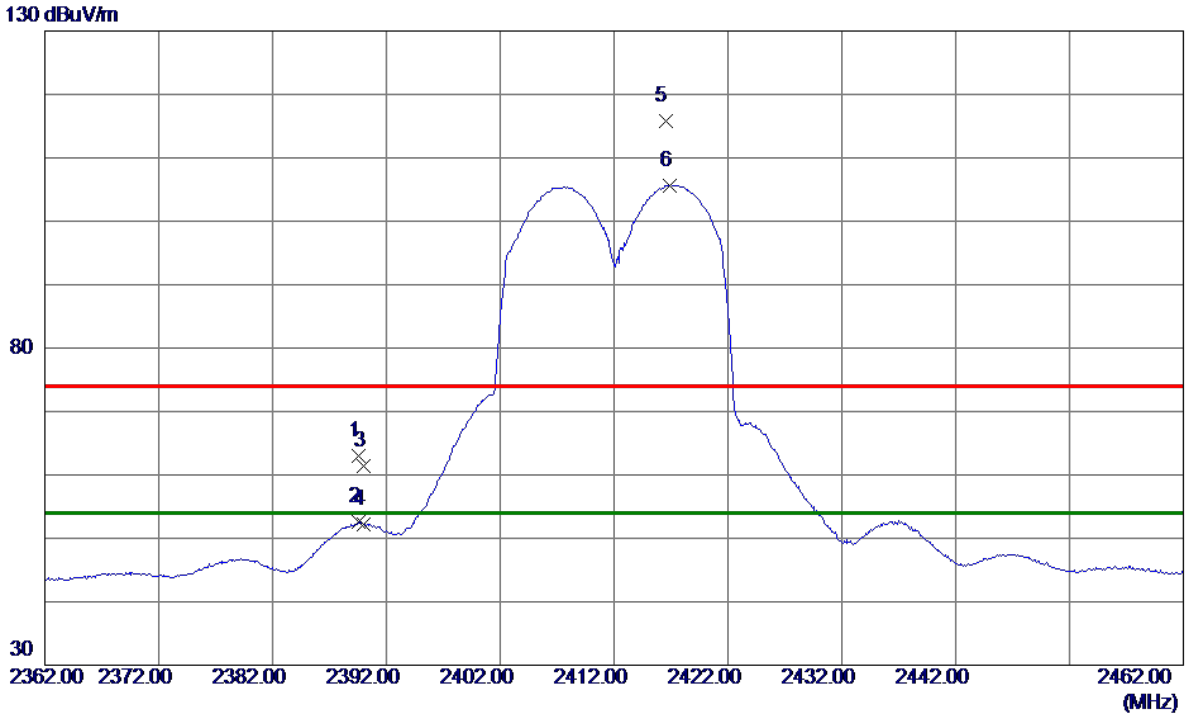
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4894.9200	38.19	5.59	43.78	74.00	-30.22	Peak	
2 *	4913.7000	28.73	5.68	34.41	54.00	-19.59	AVG	

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

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.6000	54.67	8.30	62.97	74.00	-11.03	Peak	
2	2389.6000	44.31	8.30	52.61	54.00	-1.39	AVG	
3	2390.0000	53.14	8.31	61.45	74.00	-12.55	Peak	
4	2390.0000	43.94	8.31	52.25	54.00	-1.75	AVG	
5	2416.5000	107.39	8.34	115.73	74.00	41.73	Peak	No Limit
6 *	2416.9000	97.33	8.34	105.67	54.00	51.67	AVG	No Limit

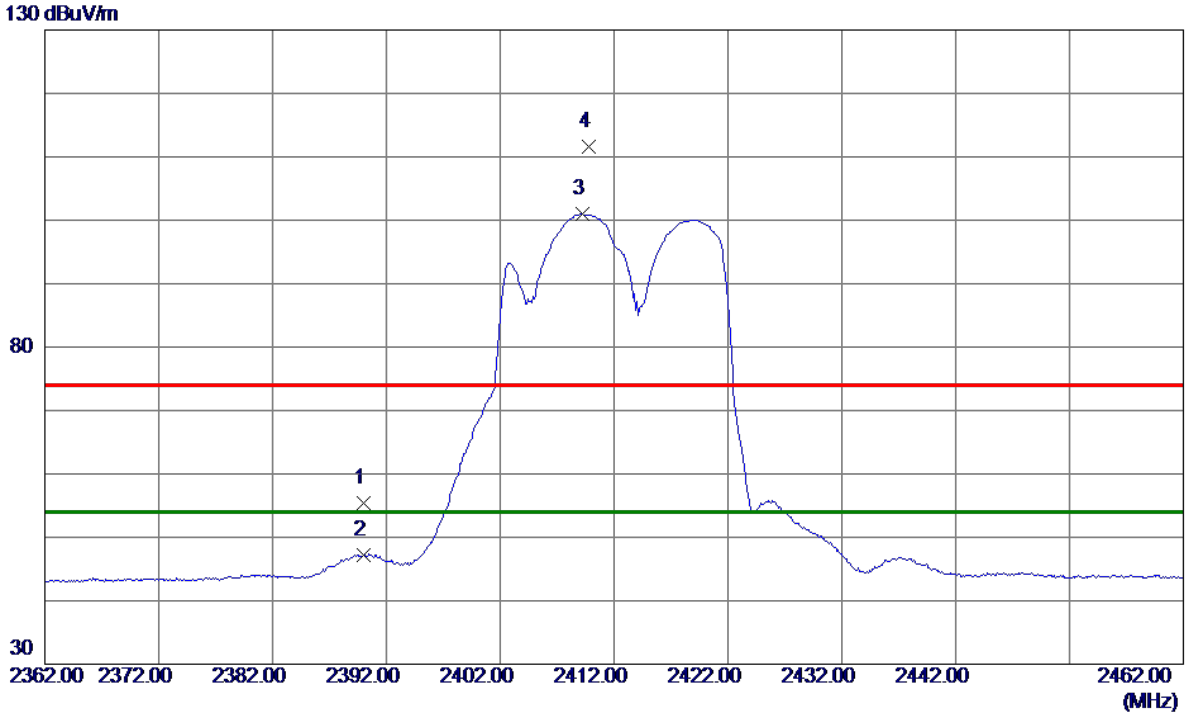
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4821.9400	38.70	5.22	43.92	74.00	-30.08	Peak	
2 *	4822.1600	28.79	5.22	34.01	54.00	-19.99	AVG	

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

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	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	47.04	8.31	55.35	74.00	-18.65	Peak	
2	2390.0000	38.88	8.31	47.19	54.00	-6.81	AVG	
3 *	2409.2000	92.61	8.33	100.94	54.00	46.94	AVG	No Limit
4	2409.8000	103.20	8.33	111.53	74.00	37.53	Peak	No Limit

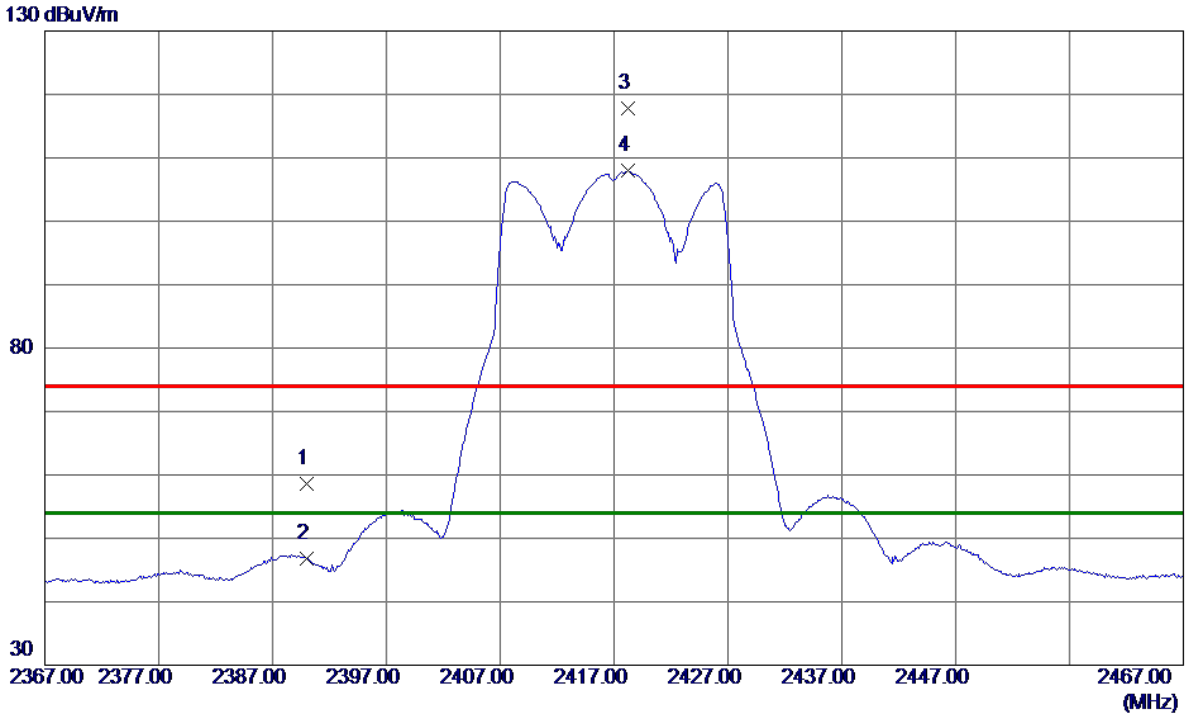
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.4600	28.29	5.22	33.51	54.00	-20.49	AVG	
2	4832.4000	38.66	5.27	43.93	74.00	-30.07	Peak	

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

Test Mode	TX AX(HE20) Mode 2417 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	50.31	8.31	58.62	74.00	-15.38	Peak	
2	2390.0000	38.45	8.31	46.76	54.00	-7.24	AVG	
3	2418.2000	109.41	8.34	117.75	74.00	43.75	Peak	No Limit
4 *	2418.2000	99.60	8.34	107.94	54.00	53.94	AVG	No Limit

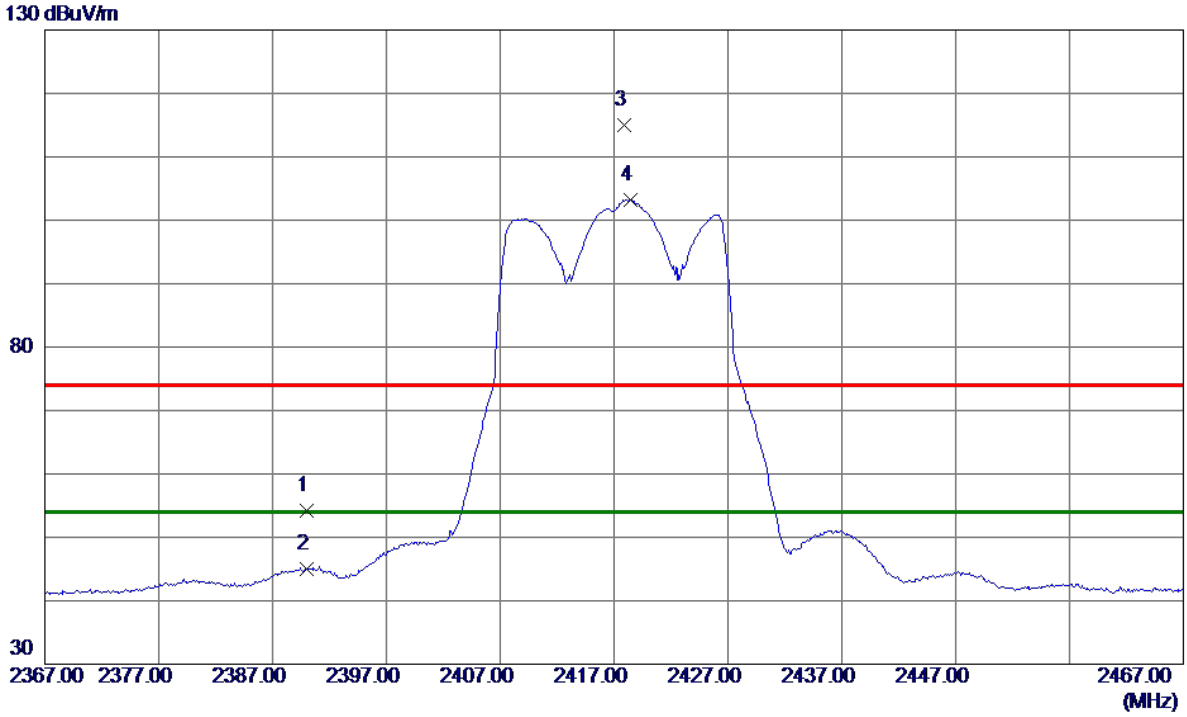
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode 2417 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4833.0820	40.23	5.27	45.50	74.00	-28.50	Peak	
2 *	4833.7830	27.89	5.28	33.17	54.00	-20.83	AVG	

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

Test Mode	TX AX(HE20) Mode 2417 MHz	Polarization	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	45.89	8.31	54.20	74.00	-19.80	Peak	
2	2390.0000	36.73	8.31	45.04	54.00	-8.96	AVG	
3	2417.9000	106.68	8.34	115.02	74.00	41.02	Peak	No Limit
4 *	2418.4000	94.92	8.34	103.26	54.00	49.26	AVG	No Limit

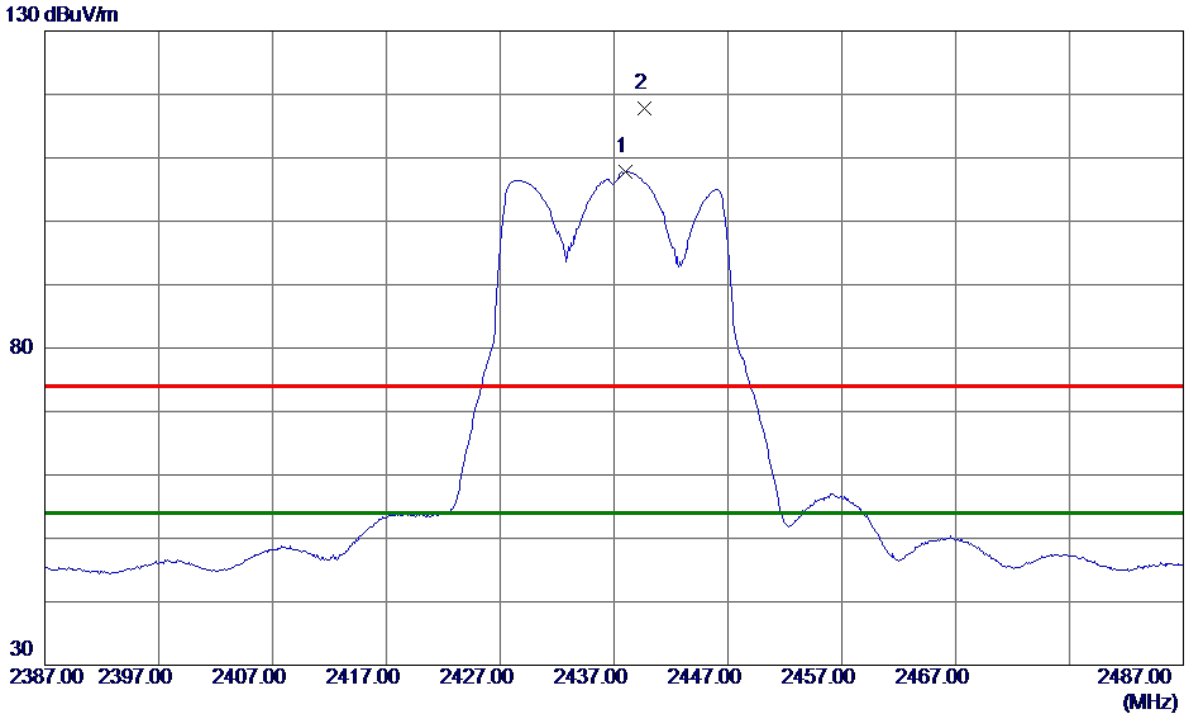
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode 2417 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4834.7240	28.06	5.28	33.34	54.00	-20.66	AVG	
2	4834.9370	39.60	5.28	44.88	74.00	-29.12	Peak	

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2438.0000	99.44	8.37	107.81	54.00	53.81	AVG	No Limit
2	2439.7000	109.48	8.37	117.85	74.00	43.85	Peak	No Limit

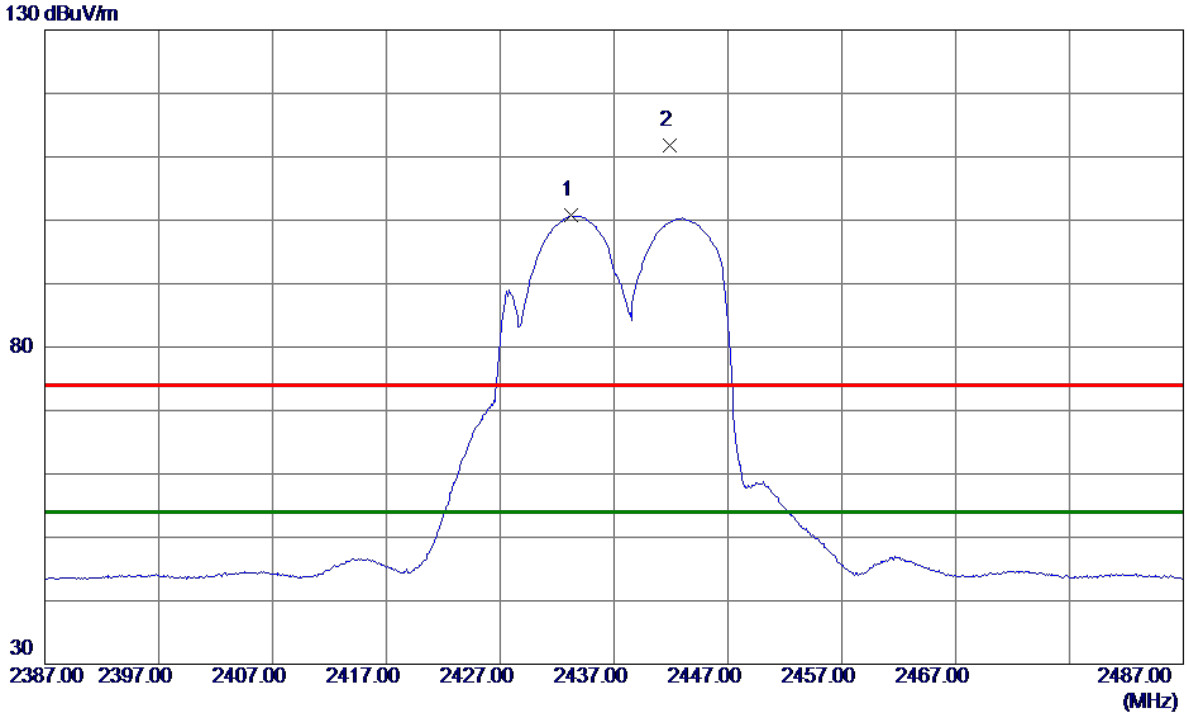
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4882.4400	38.34	5.52	43.86	74.00	-30.14	Peak	
2 *	4883.0200	28.59	5.53	34.12	54.00	-19.88	AVG	

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2433.2000	92.41	8.36	100.77	54.00	46.77	AVG	No Limit
2	2441.9000	103.51	8.37	111.88	74.00	37.88	Peak	No Limit

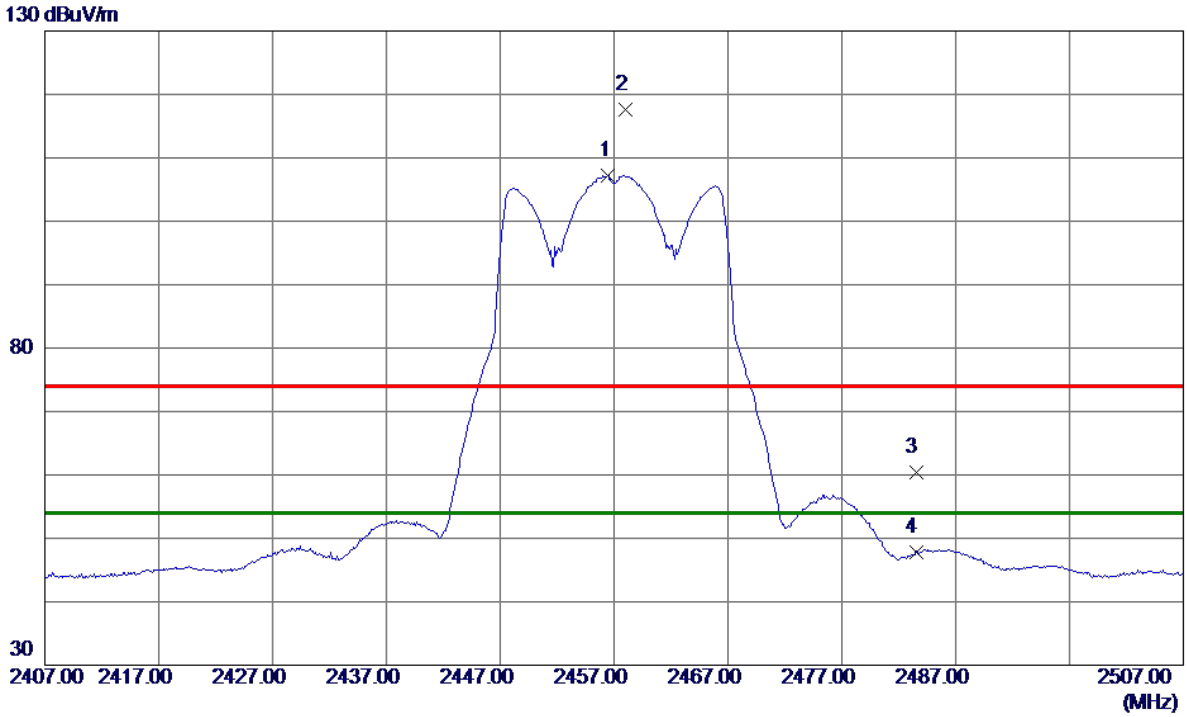
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.6400	38.26	5.48	43.74	74.00	-30.26	Peak	
2 *	4876.2599	28.49	5.49	33.98	54.00	-20.02	AVG	

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

Test Mode	TX AX(HE20) Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2456.5000	98.84	8.39	107.23	54.00	53.23	AVG	No Limit
2	2458.0000	109.16	8.39	117.55	74.00	43.55	Peak	No Limit
3	2483.5000	51.96	8.42	60.38	74.00	-13.62	Peak	
4	2483.5000	39.32	8.42	47.74	54.00	-6.26	AVG	

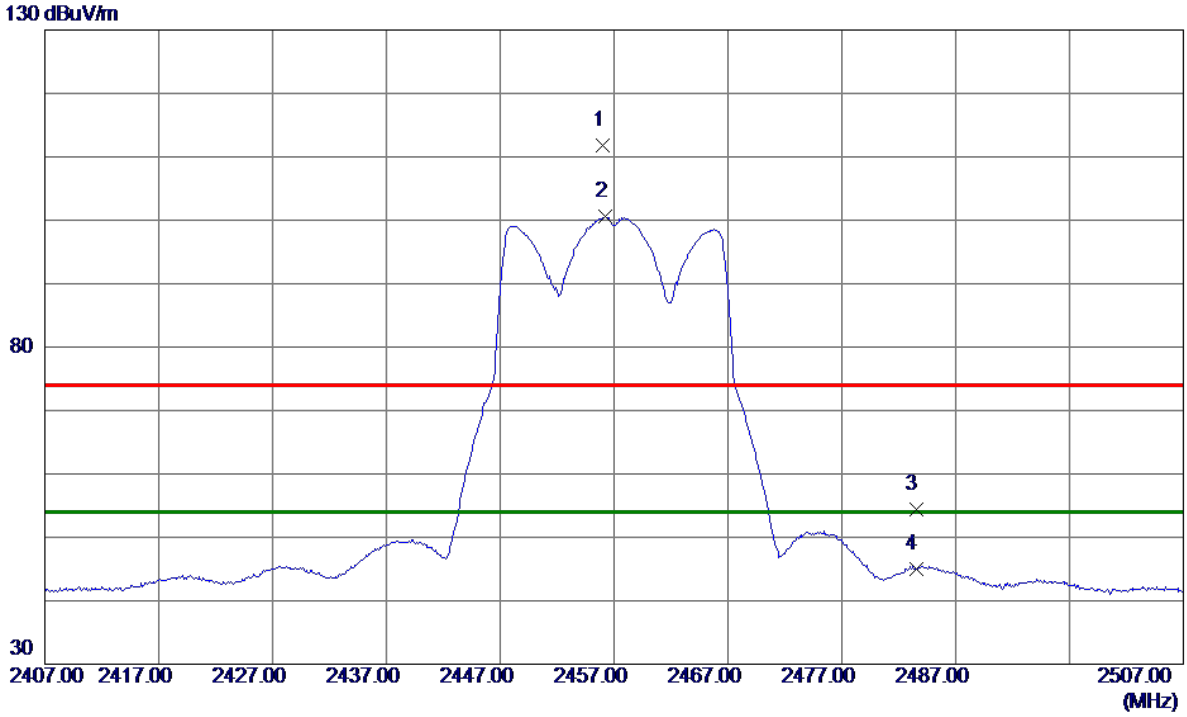
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode 2457 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4913.6700	40.10	5.68	45.78	74.00	-28.22	Peak	
2 *	4914.0650	28.08	5.68	33.76	54.00	-20.24	AVG	

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

Test Mode	TX AX(HE20) Mode 2457 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2456.0000	103.49	8.39	111.88	74.00	37.88	Peak	No Limit
2 *	2456.2000	92.14	8.39	100.53	54.00	46.53	AVG	No Limit
3	2483.5000	45.95	8.42	54.37	74.00	-19.63	Peak	
4	2483.5000	36.67	8.42	45.09	54.00	-8.91	AVG	

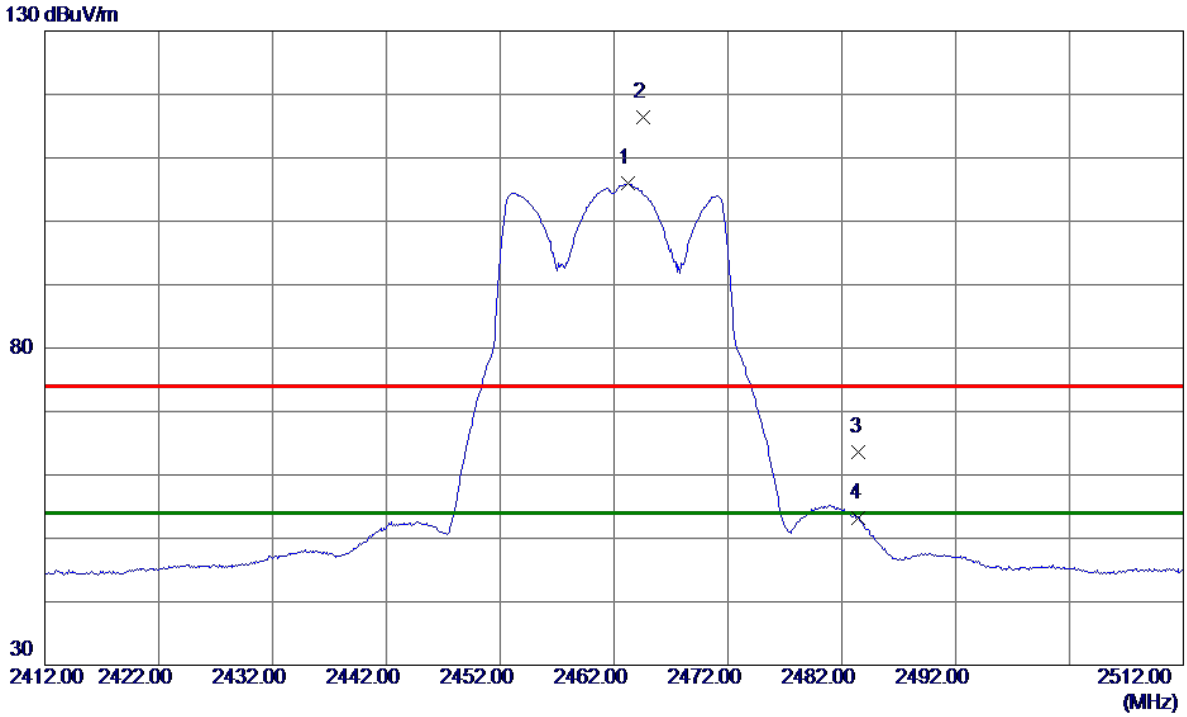
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode 2457 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4914.1200	28.01	5.68	33.69	54.00	-20.31	AVG	
2	4914.5219	39.95	5.69	45.64	74.00	-28.36	Peak	

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2463.2000	97.52	8.40	105.92	54.00	51.92	AVG	No Limit
2	2464.6000	108.06	8.40	116.46	74.00	42.46	Peak	No Limit
3	2483.5000	55.11	8.42	63.53	74.00	-10.47	Peak	
4	2483.5000	44.83	8.42	53.25	54.00	-0.75	AVG	

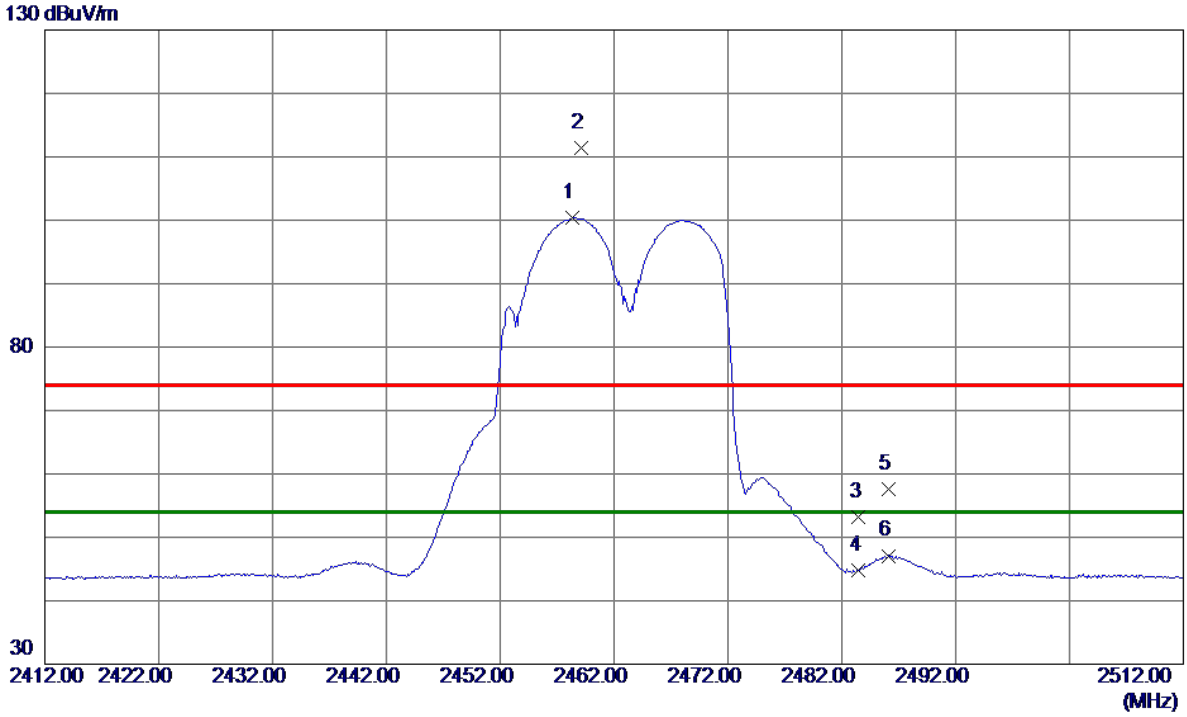
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4915.5600	28.43	5.69	34.12	54.00	-19.88	AVG	
2	4929.8600	37.96	5.76	43.72	74.00	-30.28	Peak	

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2458.3000	91.99	8.39	100.38	54.00	46.38	AVG	No Limit
2	2459.1000	103.06	8.39	111.45	74.00	37.45	Peak	No Limit
3	2483.5000	44.71	8.42	53.13	74.00	-20.87	Peak	
4	2483.5000	36.31	8.42	44.73	54.00	-9.27	AVG	
5	2486.1000	49.18	8.43	57.61	74.00	-16.39	Peak	
6	2486.1000	38.67	8.43	47.10	54.00	-6.90	AVG	

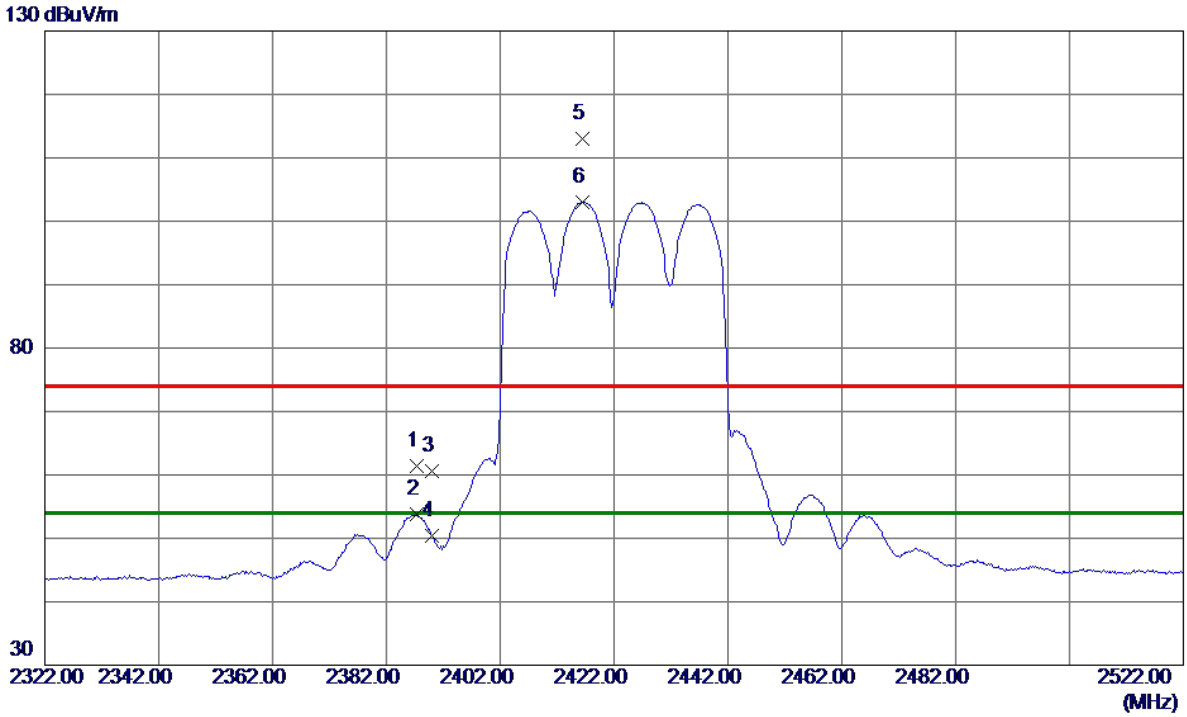
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4927.1800	38.41	5.75	44.16	74.00	-29.84	Peak	
2 *	4929.5800	28.44	5.76	34.20	54.00	-19.80	AVG	

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

Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2387.4000	53.02	8.30	61.32	74.00	-12.68	Peak	
2	2387.4000	45.51	8.30	53.81	54.00	-0.19	AVG	
3	2390.0000	52.27	8.31	60.58	74.00	-13.42	Peak	
4	2390.0000	42.18	8.31	50.49	54.00	-3.51	AVG	
5	2416.4000	104.70	8.34	113.04	74.00	39.04	Peak	No Limit
6 *	2416.4000	94.64	8.34	102.98	54.00	48.98	AVG	No Limit

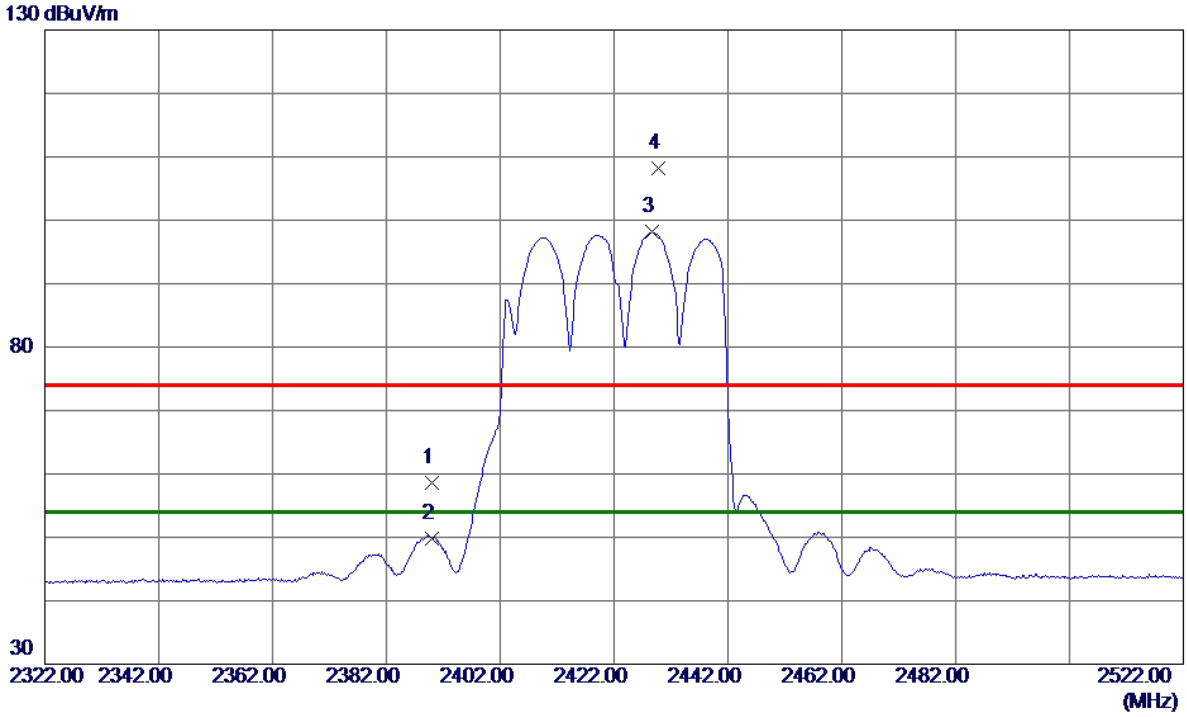
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4843.1200	28.94	5.32	34.26	54.00	-19.74	AVG	
2	4845.0200	39.84	5.33	45.17	74.00	-28.83	Peak	

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

Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	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	50.35	8.31	58.66	74.00	-15.34	Peak	
2	2390.0000	41.55	8.31	49.86	54.00	-4.14	AVG	
3 *	2428.6000	89.79	8.35	98.14	54.00	44.14	AVG	No Limit
4	2429.8000	99.84	8.36	108.20	74.00	34.20	Peak	No Limit

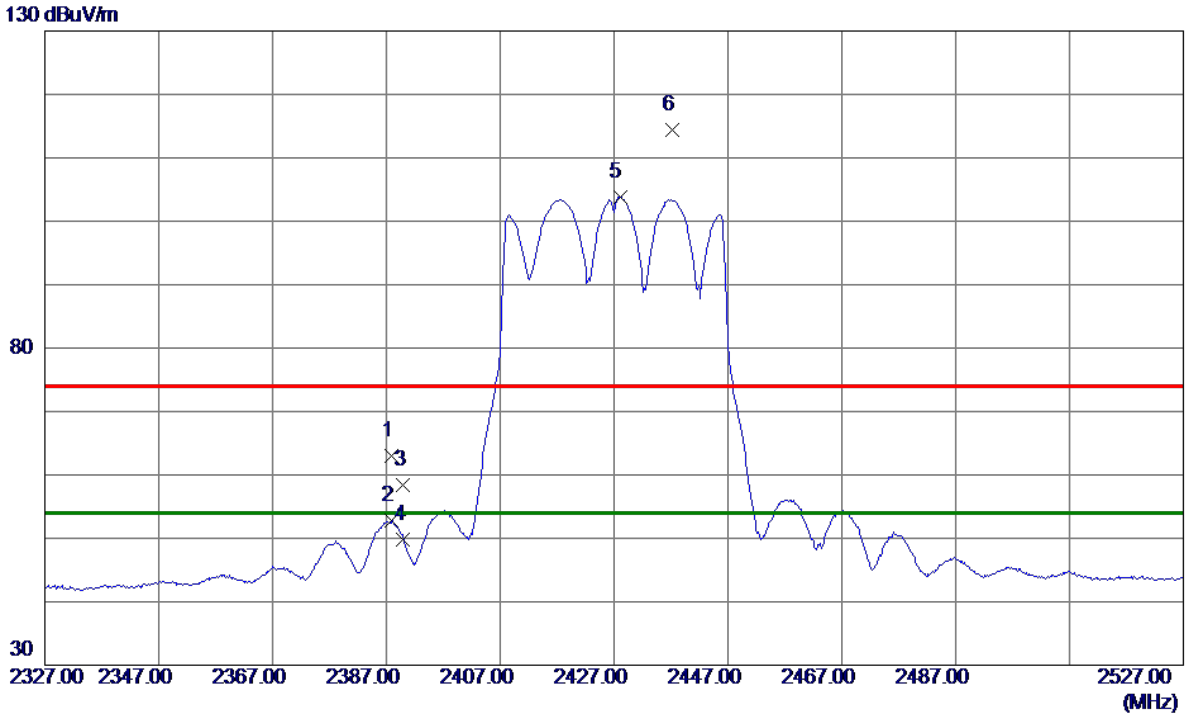
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4925.3800	28.40	5.74	34.14	54.00	-19.86	AVG	
2	4929.6800	39.15	5.76	44.91	74.00	-29.09	Peak	

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

Test Mode	TX AX(HE40) Mode 2427 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2387.8000	54.72	8.30	63.02	74.00	-10.98	Peak	
2	2387.8000	44.58	8.30	52.88	54.00	-1.12	AVG	
3	2390.0000	50.16	8.31	58.47	74.00	-15.53	Peak	
4	2390.0000	41.50	8.31	49.81	54.00	-4.19	AVG	
5 *	2428.0000	95.51	8.35	103.86	54.00	49.86	AVG	No Limit
6	2437.2000	105.99	8.37	114.36	74.00	40.36	Peak	No Limit

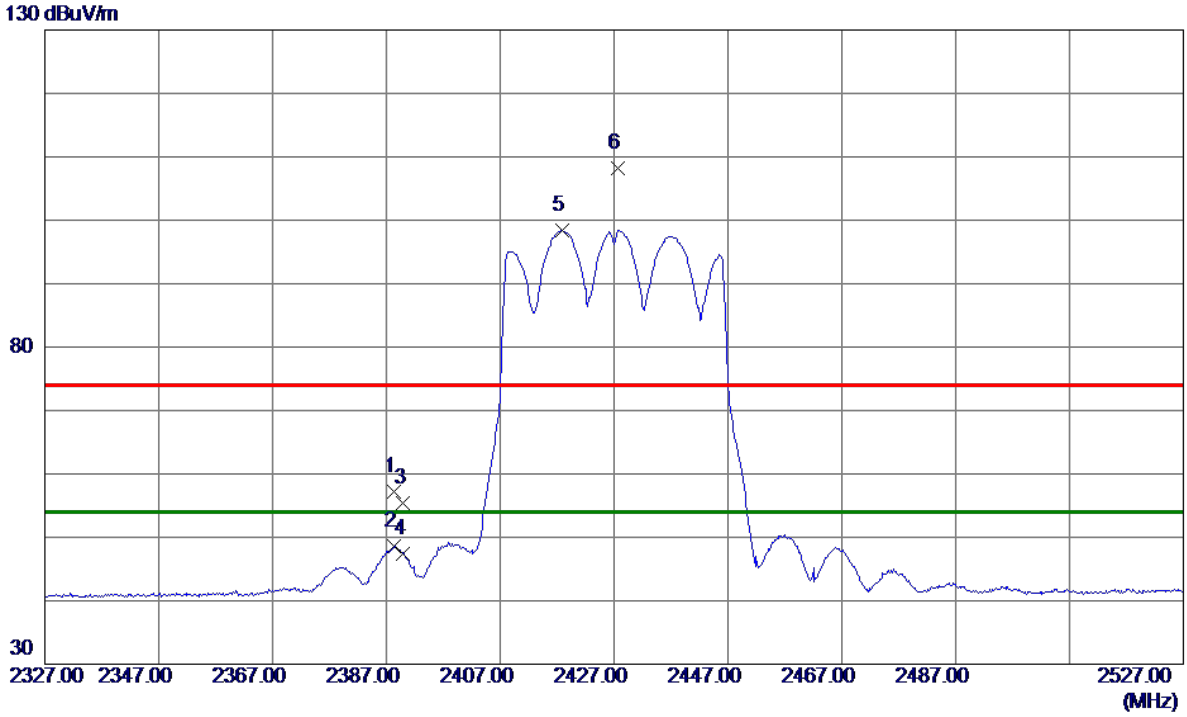
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE40) Mode 2427 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4853.4260	27.68	5.38	33.06	54.00	-20.94	AVG	
2	4854.8440	38.98	5.38	44.36	74.00	-29.64	Peak	

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

Test Mode	TX AX(HE40) Mode 2427 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.4000	48.81	8.30	57.11	74.00	-16.89	Peak	
2	2388.4000	40.37	8.30	48.67	54.00	-5.33	AVG	
3	2390.0000	47.15	8.31	55.46	74.00	-18.54	Peak	
4	2390.0000	39.14	8.31	47.45	54.00	-6.55	AVG	
5 *	2417.8000	90.12	8.34	98.46	54.00	44.46	AVG	No Limit
6	2427.6000	99.86	8.35	108.21	74.00	34.21	Peak	No Limit

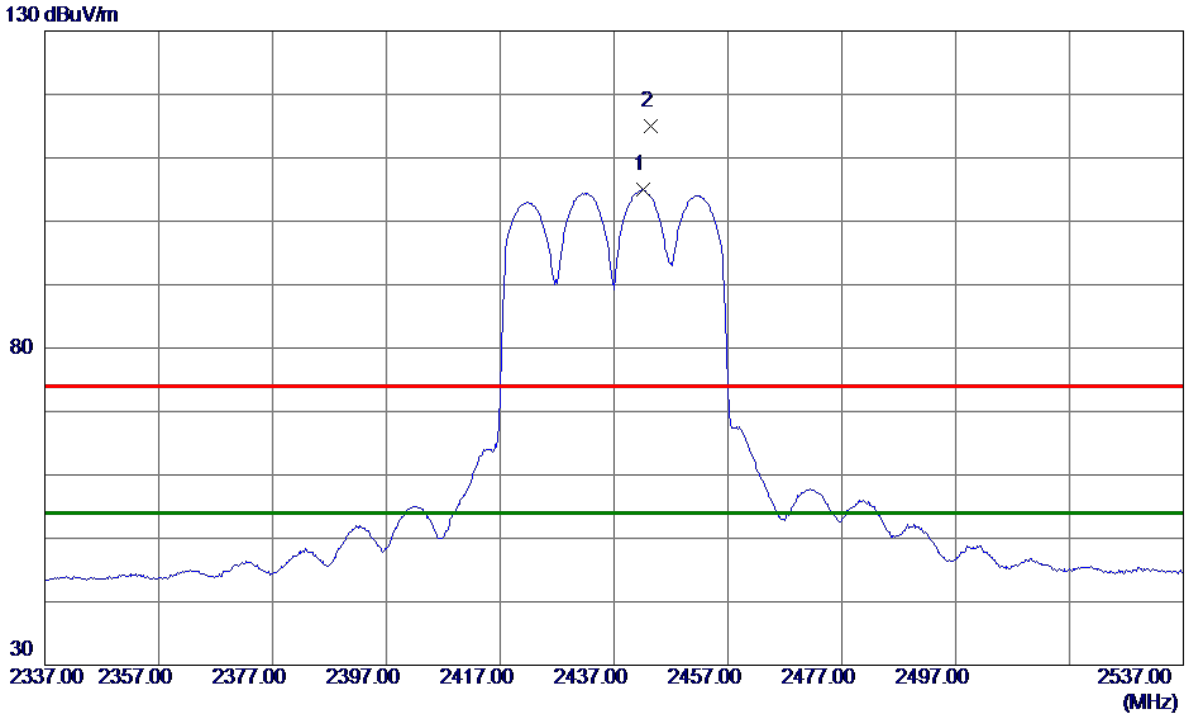
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE40) Mode 2427 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4854.3330	39.21	5.38	44.59	74.00	-29.41	Peak	
2 *	4854.9330	27.76	5.38	33.14	54.00	-20.86	AVG	

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

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	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	96.65	8.37	105.02	54.00	51.02	AVG	No Limit
2	2443.4000	106.53	8.37	114.90	74.00	40.90	Peak	No Limit

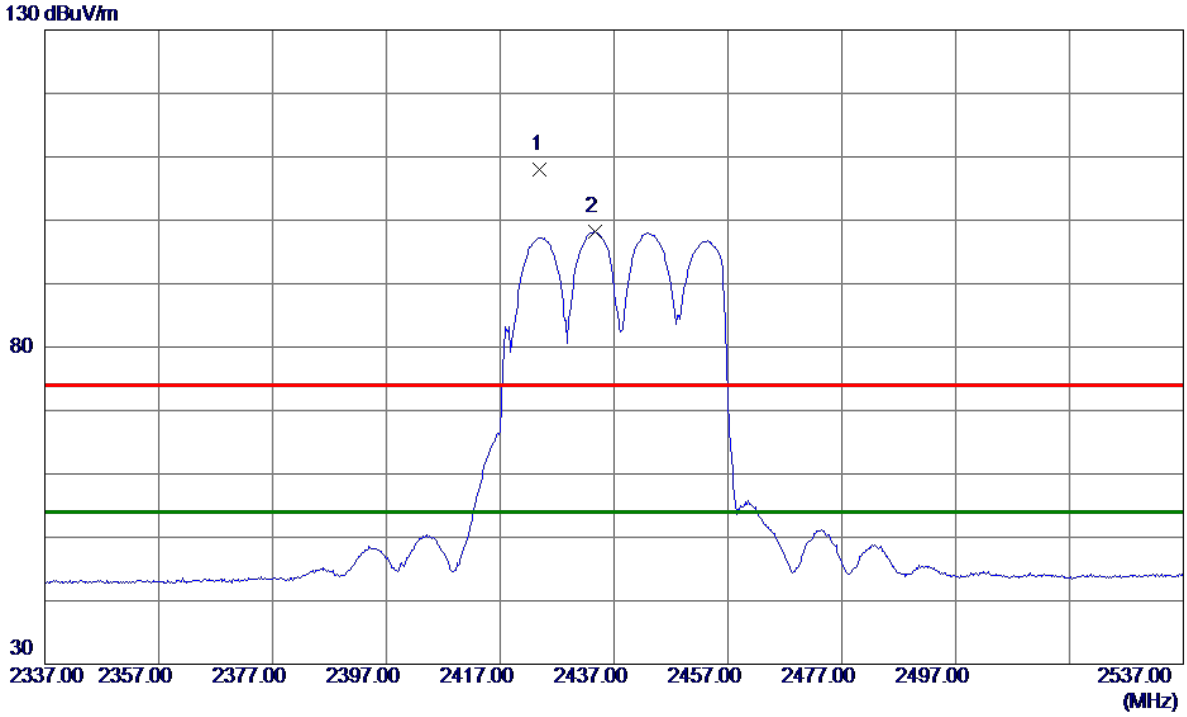
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4879.0800	28.45	5.51	33.96	54.00	-20.04	AVG	
2	4881.5400	39.95	5.52	45.47	74.00	-28.53	Peak	

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

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2424.0000	99.65	8.35	108.00	74.00	34.00	Peak	No Limit
2 *	2433.6000	89.84	8.36	98.20	54.00	44.20	AVG	No Limit

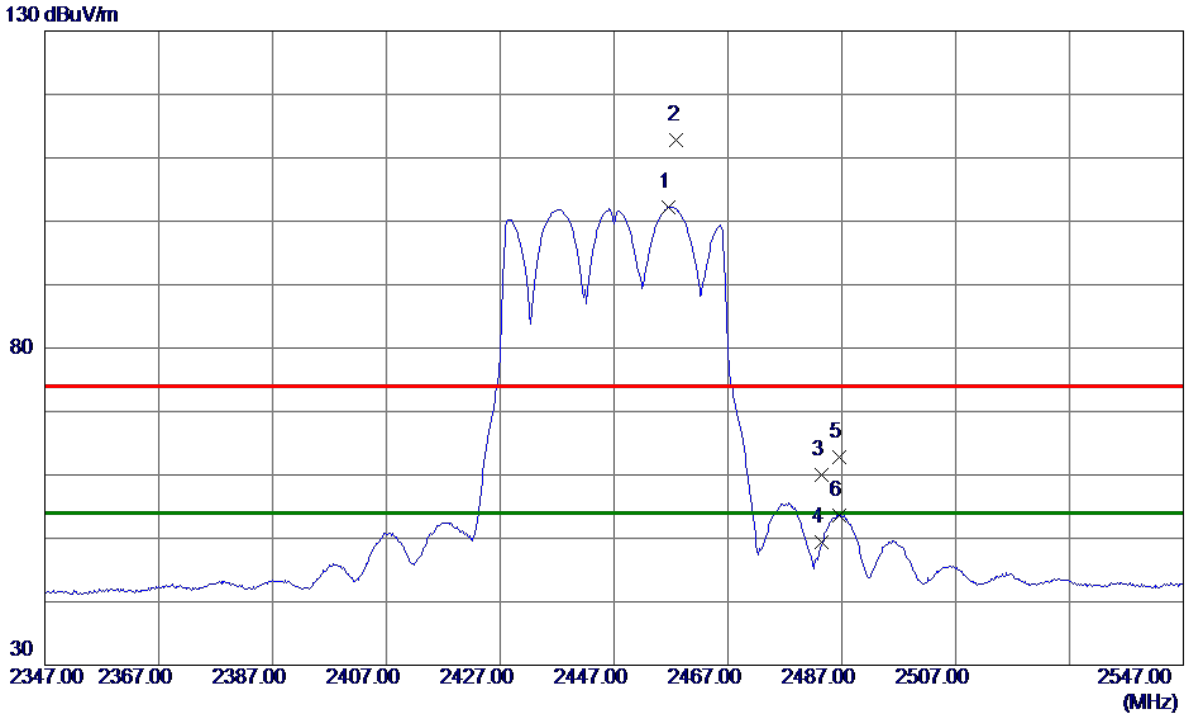
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.1600	38.20	5.48	43.68	74.00	-30.32	Peak	
2 *	4883.5000	28.44	5.53	33.97	54.00	-20.03	AVG	

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

Test Mode	TX AX(HE40) Mode 2447 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2456.6000	93.85	8.39	102.24	54.00	48.24	AVG	No Limit
2	2458.0000	104.42	8.39	112.81	74.00	38.81	Peak	No Limit
3	2483.5000	51.54	8.42	59.96	74.00	-14.04	Peak	
4	2483.5000	40.90	8.42	49.32	54.00	-4.68	AVG	
5	2486.6000	54.46	8.43	62.89	74.00	-11.11	Peak	
6	2486.6000	45.24	8.43	53.67	54.00	-0.33	AVG	

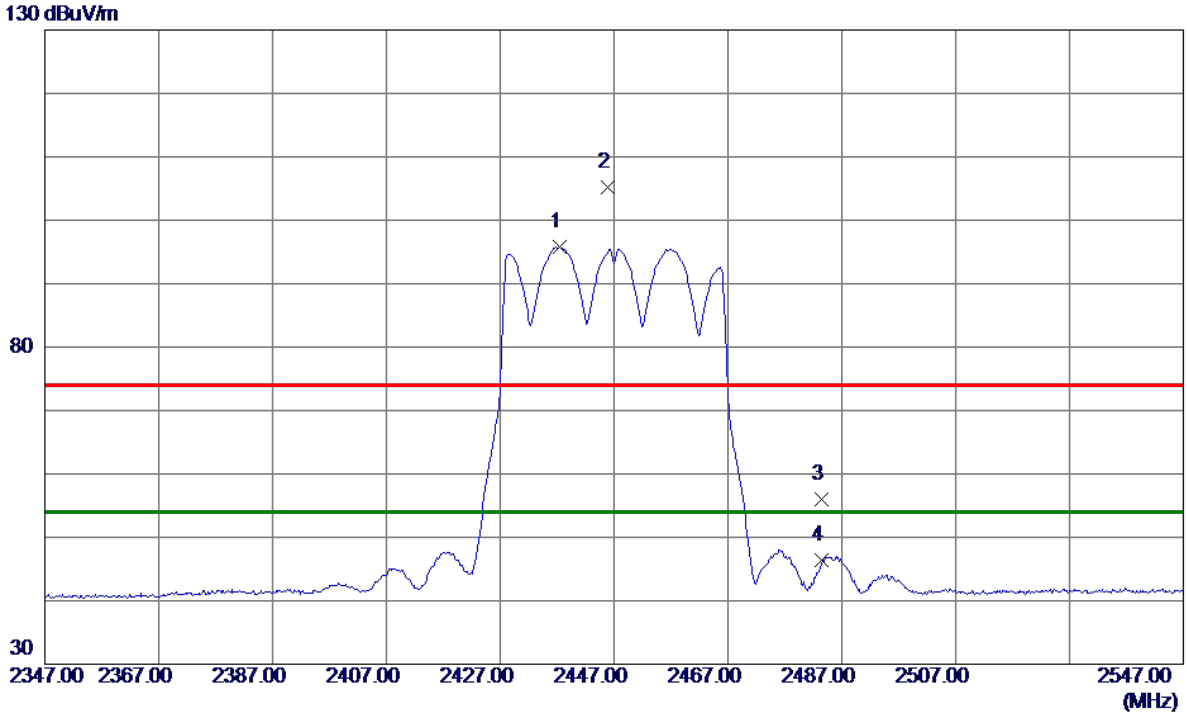
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE40) Mode 2447 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4893.9220	27.86	5.58	33.44	54.00	-20.56	AVG	
2	4894.9270	39.71	5.59	45.30	74.00	-28.70	Peak	

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

Test Mode	TX AX(HE40) Mode 2447 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2437.4000	87.36	8.37	95.73	54.00	41.73	AVG	No Limit
2	2445.8000	96.87	8.38	105.25	74.00	31.25	Peak	No Limit
3	2483.5000	47.62	8.42	56.04	74.00	-17.96	Peak	
4	2483.5000	37.95	8.42	46.37	54.00	-7.63	AVG	

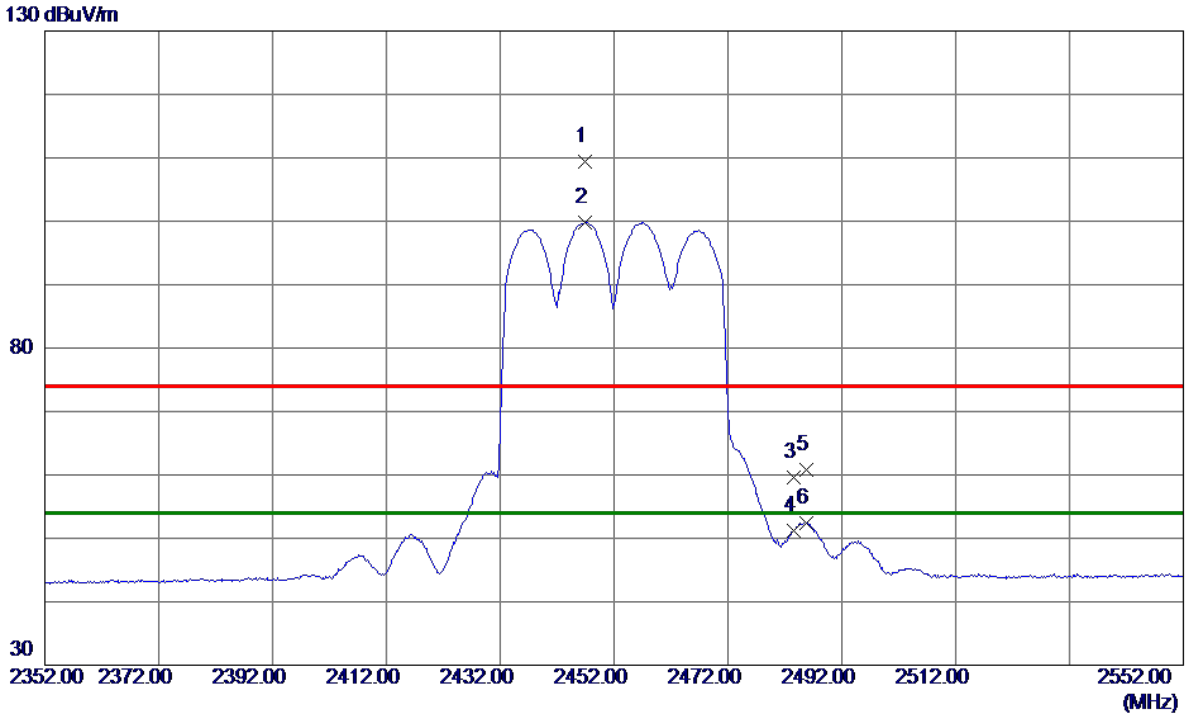
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE40) Mode 2447 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4893.4980	39.44	5.58	45.02	74.00	-28.98	Peak	
2 *	4894.3630	28.11	5.58	33.69	54.00	-20.31	AVG	

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

Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2446.8000	101.03	8.38	109.41	74.00	35.41	Peak	No Limit
2 *	2446.8000	91.43	8.38	99.81	54.00	45.81	AVG	No Limit
3	2483.5000	51.22	8.42	59.64	74.00	-14.36	Peak	
4	2483.5000	42.72	8.42	51.14	54.00	-2.86	AVG	
5	2485.8000	52.32	8.43	60.75	74.00	-13.25	Peak	
6	2485.8000	43.95	8.43	52.38	54.00	-1.62	AVG	

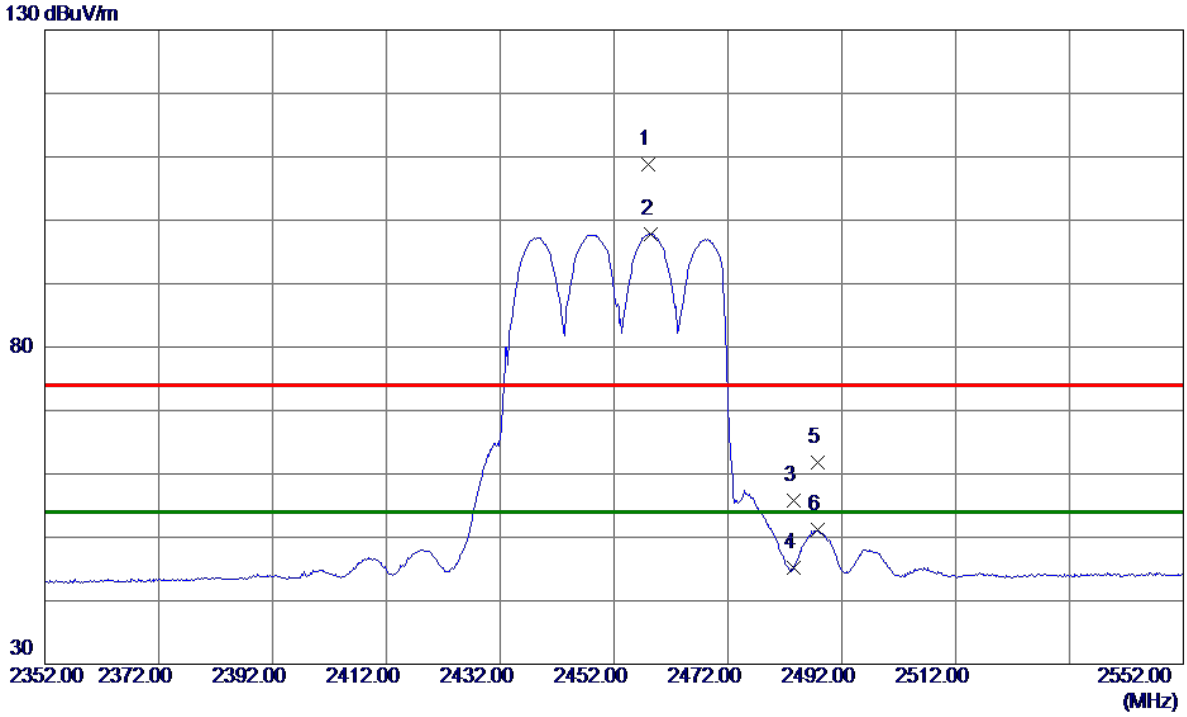
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4898.1400	38.63	5.60	44.23	74.00	-29.77	Peak	
2 *	4903.0800	28.50	5.63	34.13	54.00	-19.87	AVG	

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

Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2458.0000	100.50	8.39	108.89	74.00	34.89	Peak	No Limit
2 *	2458.4000	89.49	8.39	97.88	54.00	43.88	AVG	No Limit
3	2483.5000	47.40	8.42	55.82	74.00	-18.18	Peak	
4	2483.5000	36.78	8.42	45.20	54.00	-8.80	AVG	
5	2487.8000	53.33	8.43	61.76	74.00	-12.24	Peak	
6	2487.8000	42.70	8.43	51.13	54.00	-2.87	AVG	

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

Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4908.7000	38.65	5.66	44.31	74.00	-29.69	Peak	
2 *	4912.9000	28.50	5.68	34.18	54.00	-19.82	AVG	

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

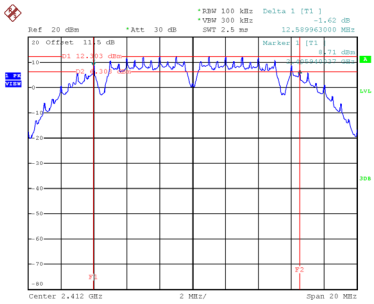
APPENDIX E - BANDWIDTH

Test Mode	TX B Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	12.59	15.92	0.50	Complies
06	2437	13.15	15.92	0.50	Complies
11	2462	12.15	15.92	0.50	Complies

CH01 **CH06** **CH11**

6 dB Bandwidth



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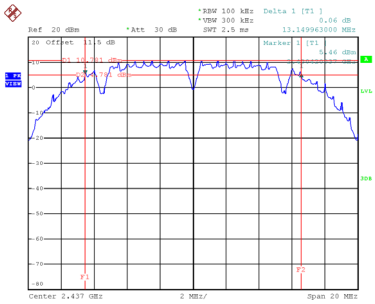

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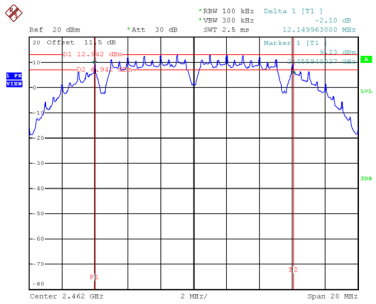

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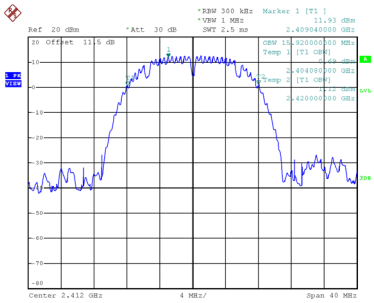
99 % Occupied Bandwidth



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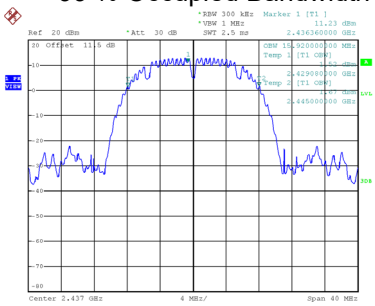

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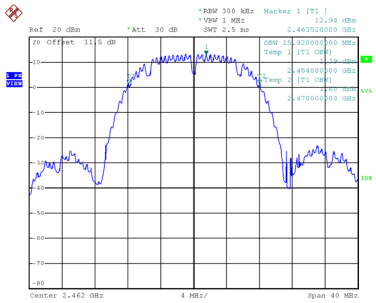
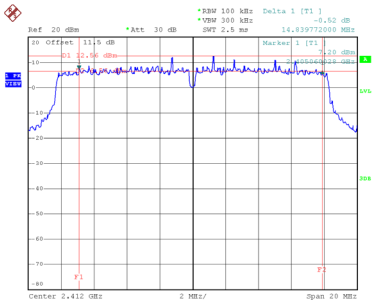


Date: 5.JAN.2022 10:12:39

Test Mode	TX G Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	14.84	16.56	0.50	Complies
06	2437	16.38	16.56	0.50	Complies
11	2462	15.72	16.56	0.50	Complies

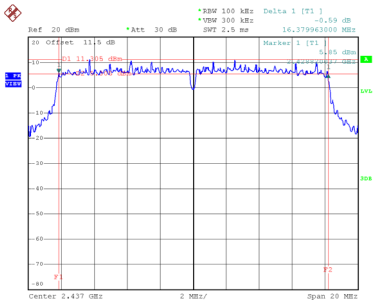
CH01



Date: 30.DEC.2021 19:11:03

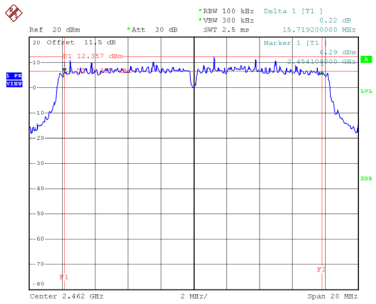
CH06

6 dB Bandwidth



Date: 30.DEC.2021 19:11:37

CH11



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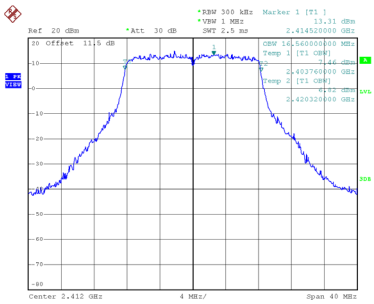
99 % Occupied Bandwidth



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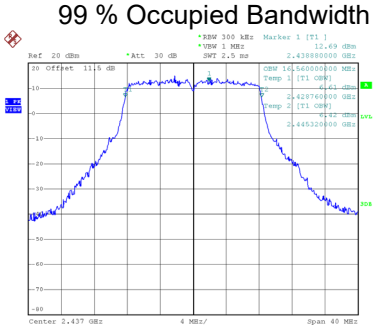

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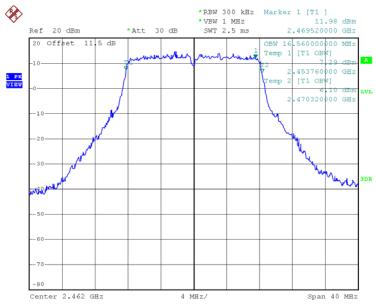

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