FCC Radio Test Report

FCC ID: FCC ID:KA2IRX3260A1

This report concerns: Original Grant

Project No.	:	2102H003
Equipment	:	AX3200 Mesh Wi-Fi 6 Router
Brand Name	:	D-Link
Test Model	:	DIR-X3260
Series Model	:	N/A
Applicant	:	D-Link Corporation
Address	:	14420 Myford Road Suite 100 Irvine California United States 92606
Manufacturer	:	D-Link Corporation
Address	:	14420 Myford Road Suite 100 Irvine California United States 92606
Date of Receipt	:	Mar. 10, 2021
Date of Test	:	Mar. 10, 2021~Apr. 14, 2021
Issued Date	:	May. 19, 2021
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SH2021020931 for radiation; SH2021020932 for conducted; SH2021020930-3 for adapter.
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.

Maker Qi

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Certificate # 5123.03

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Declaration

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

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

Limitation

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	May. 19, 2021

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 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. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210,China
BTL's Test Firm Registration Number for FCC: 476765
BTL's Designation Number for FCC: CN1241

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)
SH-C01	CISPR	150 kHz ~ 30 MHz	2.70

B.Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB01	CISPR	9 KHz~30 MHz	V	3.79
		9 KHz~30 MHz	H	3.57
		30 MHz~200 MHz	V	4.04
		30 MHz~200 MHz	H	3.76
		200 MHz~1,000 MHz	V	4.24
		200 MHz~1,000 MHz	H	3.84
		1 GHz~18 GHz	V	4.46
		1 GHz~18 GHz	H	4.40
		18 GHz~40 GHz	V	3.95
		18 GHz~40 GHz	H	3.95

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	21°C	43%	AC 120V/60Hz	Joven Xiong
Radiated Emissions-30MHz to 1000MHz	24°C	58%	AC 120V/60Hz	Forest Li
Radiated Emissions-Above 1000MHz	24°C	58%	AC 120V/60Hz	Forest Li
Bandwidth	22°C	46%	AC 120V/60Hz	Danny Dang
Maximum Output Power	22°C	46%	AC 120V/60Hz	Danny Dang
Conducted Spurious Emissions	22°C	46%	AC 120V/60Hz	Danny Dang
Power Spectral Density	22°C	46%	AC 120V/60Hz	Danny Dang

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AX3200 Mesh Wi-Fi 6 Router
Brand Name	D-Link
Test Model	DIR-X3260
Series Model	N/A
Model Difference(s)	N/A
Software Version	1
Hardware Version	A1 and R1
Power Source	DC voltage supplied from AC/DC adapter. #1: MAUS-1202002400 #2: S24B72-120A200-0K
Power Rating	#1: 100-240V ~ 50/60Hz 0.8A O/P: 12V⎓2.0A #2: 100-240V ~ 50/60Hz Max. 0.8A O/P: 12V⎓2A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 800 Mbps
Maximum AVG Output Power _CDD	IEEE 802.11b: 25.20 dBm IEEE 802.11g: 21.78 dBm IEEE 802.11n20: 27.83 dBm IEEE 802.11n40: 26.71 dBm
Maximum AVG Output Power _Beamforming	IEEE 802.11n20: 24.55 dBm IEEE 802.11n40: 24.86 dBm

Note:

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

2. Channel List:

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

4. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	4.75
2	N/A	N/A	Dipole	N/A	4.75
3	N/A	N/A	Dipole	N/A	4.75
4	N/A	N/A	Dipole	N/A	4.67

Note:

This EUT supports Beamforming and CDD, all antennas have the same gain, any transmit signals are correlated with each other, so

1) Beamforming:

Directional gain = $10\log[(10^{G1/20}+10^{G2/20+....+}10^{GN/20})^2/N_{ANT}]$dBi,

that is Directional gain=$10\log[(10^{G1/20}+10^{G2/20+....+}10^{GN/20})^2/N_{ANT}]$dBi =10.75;

So output power limit is 30-10.75+6=25.25, the power spectral density limit is 8-10.75+6=3.25.

2) CDD:

For power spectral density measurements,

Directional gain = $10\log[(10^{G1/20}+10^{G2/20+....+}10^{GN/20})^2/N_{ANT}]$dBi,

that is Directional gain=$10\log[(10^{G1/20}+10^{G2/20+....+}10^{GN/20})^2/N_{ANT}]$dBi =10.75;

So power spectral density limit is 8-10.75+6=3.25.

For power meansurements, Directional gain =$G_{ANT\ MAX.}$+Array Gain, Array Gain=0dB($N_{ANT}\leq 4$),

so the Directional gain=4.75.

5. Table for Antenna Configuration:

Operating Mode / TX Mode	Ant. 1	Ant. 2	Ant. 3	Ant. 4	Ant. 1+2+3+4
IEEE 802.11b	✓	✓	✓	✓	×
IEEE 802.11g	✓	✓	✓	✓	×
IEEE 802.11n (HT20)	✓	✓	✓	✓	✓
IEEE 802.11n (HT40)	✓	✓	✓	✓	✓

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 7	TX N(HT20) Mode Channel 06
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

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 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 7	TX N(HT20) Mode Channel 06

Radiated emissions test- Above 1GHz	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09

Conducted test	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) 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 06 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) For radiated emission below 1 GHz and AC Power Line Conducted Emissions test, all adapters had been pre-tested and in this report only recorded the worst case.

2.3 PARAMETERS OF TEST SOFTWARE

CDD

Test Software Version	QA tool v0.0.2.24		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	22.00	22.00	21.00
IEEE 802.11g	19.00	19.00	19.00
IEEE 802.11n(HT20)	12.00	20.00	12.50
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	14.50	19.00	18.50

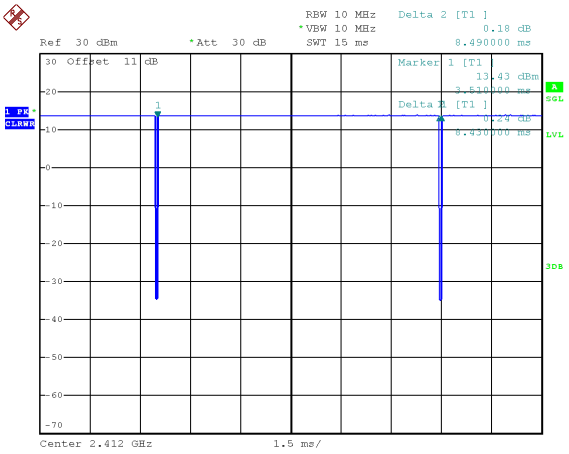
Beamforming

Test Software Version	QA tool v0.0.2.24		
Frequency (MHz)	2412	2437	2462
IEEE 802.11n(HT20)	12.00	17.00	12.50
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	14.50	17.00	17.00

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.

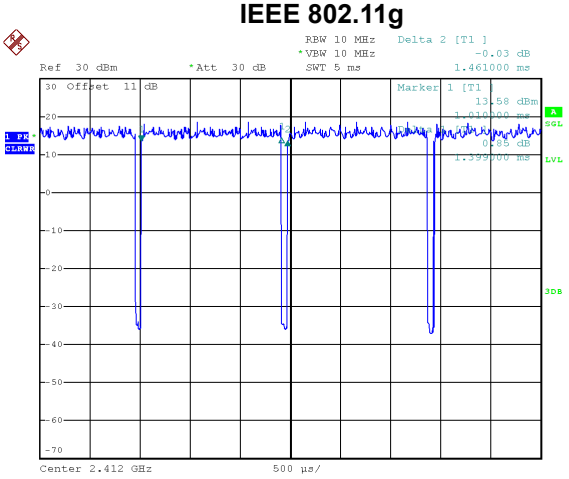
IEEE 802.11b



Date: 22.FEB.2021 16:48:33

Duty cycle = 8.430 ms / 8.490 ms = 99.29%
Duty Factor = 10 log(1/Duty cycle) = 0.03

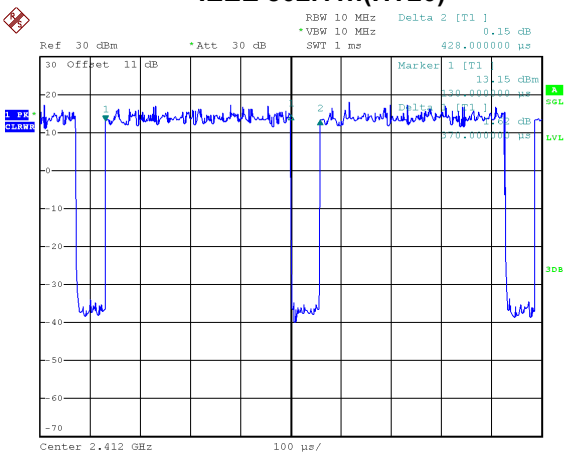
IEEE 802.11g



Date: 22.FEB.2021 17:18:15

Duty cycle = 1.399 ms / 1.461 ms = 95.76%
Duty Factor = 10 log(1/Duty cycle) = 0.19

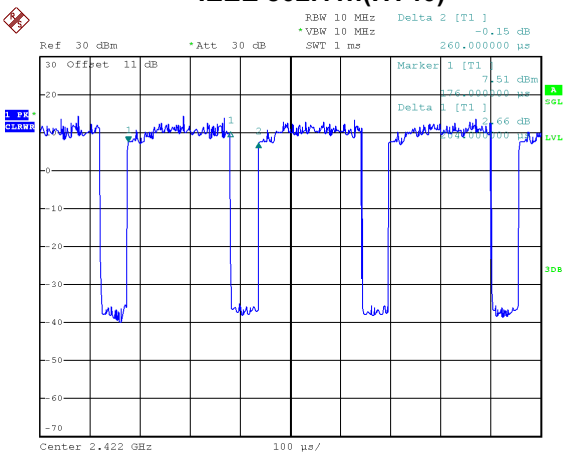
IEEE 802.11n(HT20)



Date: 22.FEB.2021 17:19:20

Duty cycle = 0.370 ms / 0.428 ms = 86.45%
Duty Factor = 10 log(1/Duty cycle) = 0.63

IEEE 802.11n(HT40)



Date: 22.FEB.2021 17:20:12

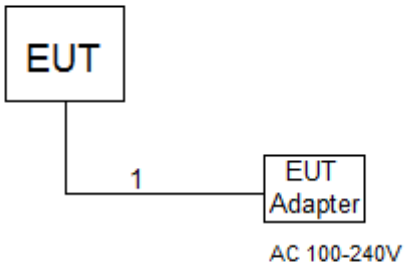
Duty cycle = 0.204 ms / 0.260 ms = 78.46%
Duty Factor = 10 log(1/Duty cycle) = 1.05

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

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 3 kHz.

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 5 kHz.

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	N/A	N/A	1m

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.

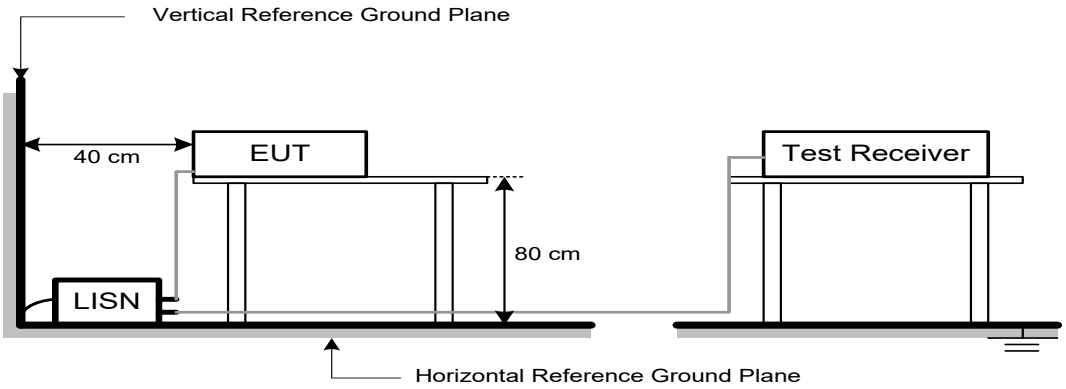
The following table is the setting of the receiver:

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) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value

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

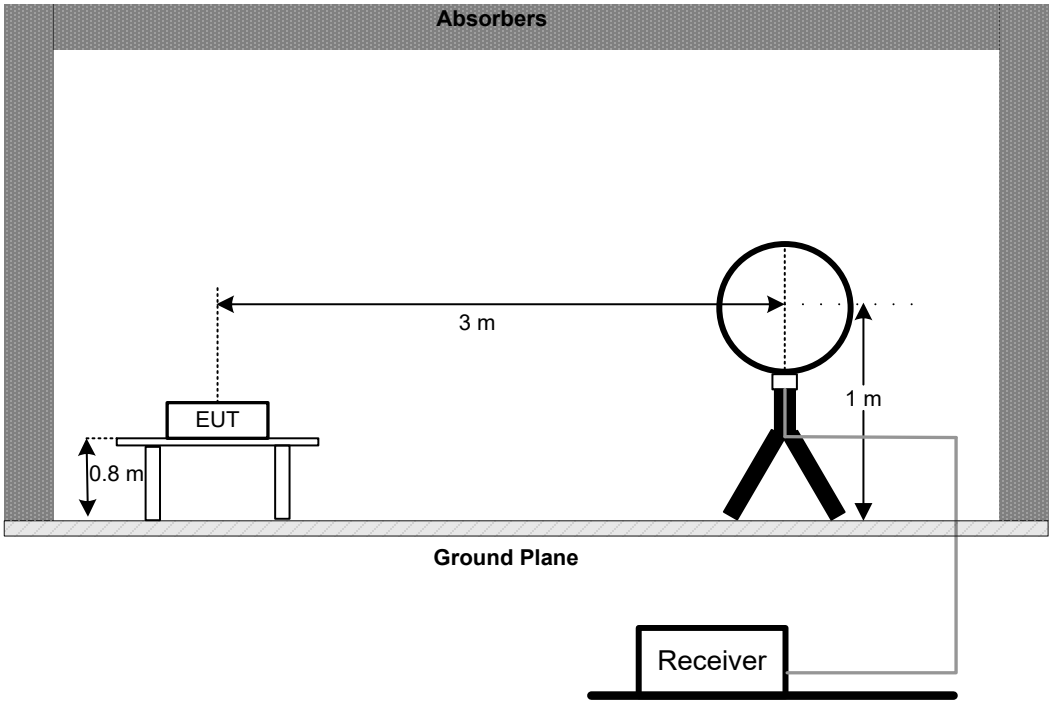
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

4.3 DEVIATION FROM TEST STANDARD

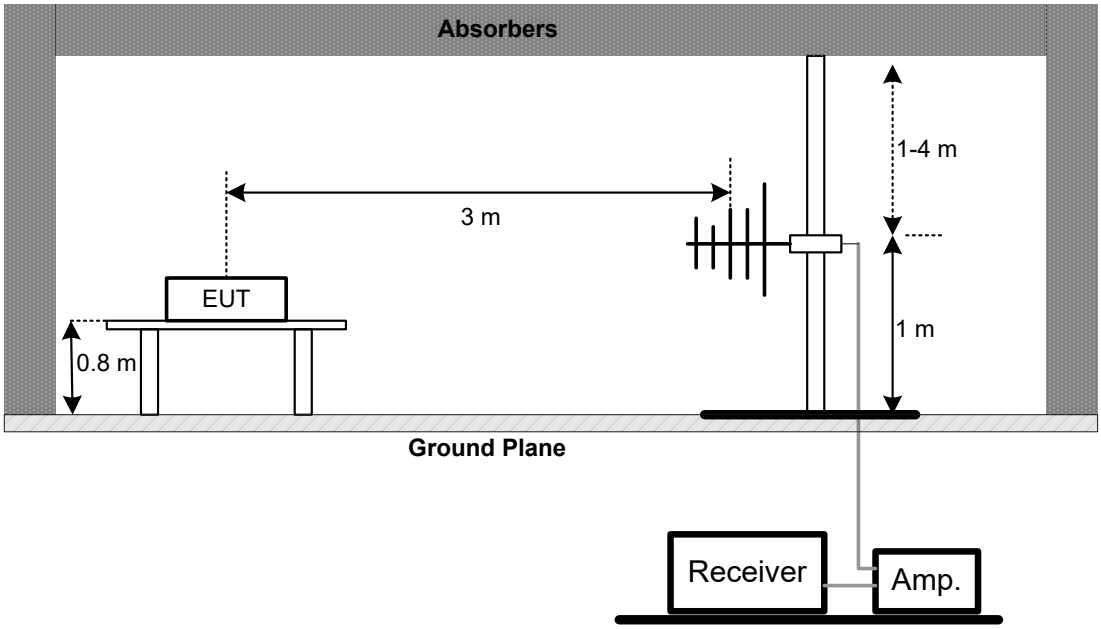
No deviation.

4.4 TEST SETUP

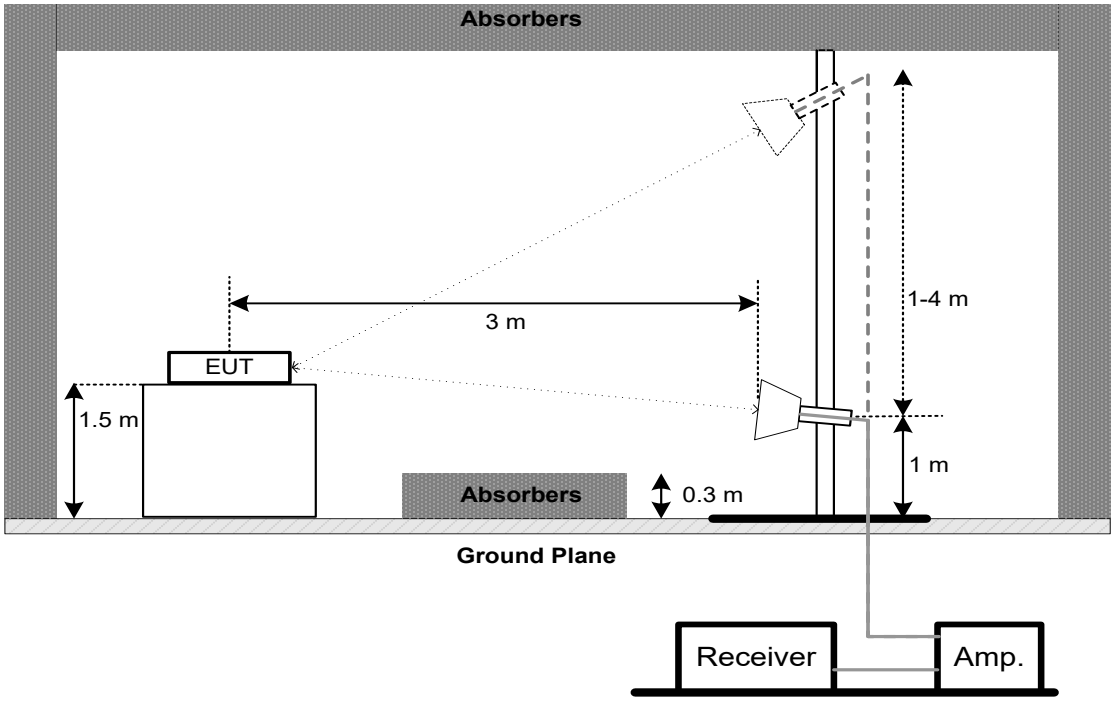
9 kHz to 30 MHz



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

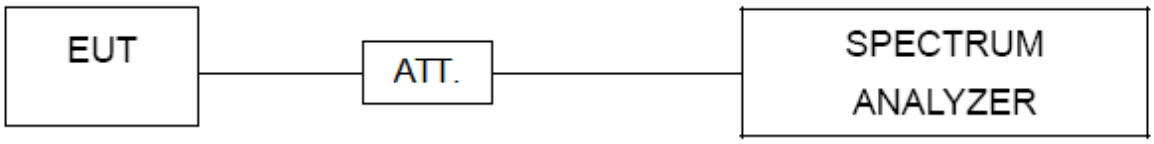
For 99% Emission Bandwidth:

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 OUTPUT POWER

6.1 LIMIT

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

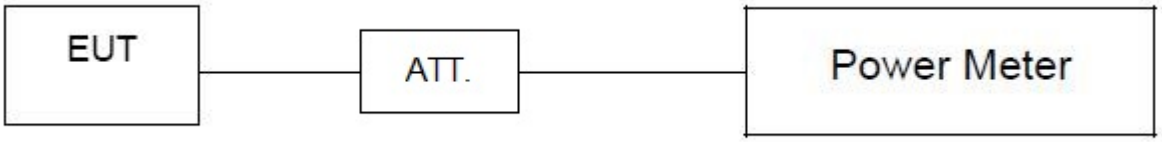
6.2 TEST PROCEDURE

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 (for AVG power) 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

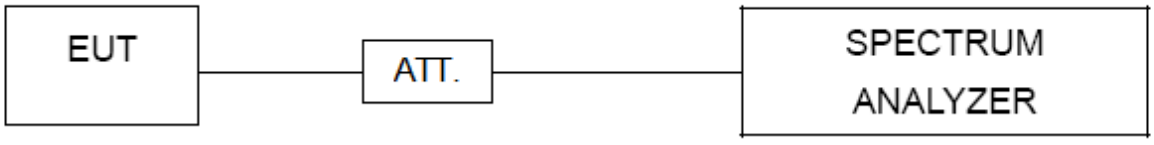
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Start Frequency	30 MHz
Stop Frequency	26.5 GHz
RBW	100 kHz
VBW	100 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	25 MHz (20 MHz) / 60 MHz (40 MHz)
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	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 21, 2021 Mar. 20, 2022
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Aug. 23, 2021
3	Test Cable	emci	EMCRG400-BM-NM-10000	170628	Apr. 12, 2021 Apr. 11, 2022
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 22, 2021 Mar. 21, 2022
5	50Ω Terminator	SHX	TF2-1G-A	17051602	Mar. 19, 2021 Mar. 20, 2022
6	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 19, 2021 Mar. 20, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	Apr. 15, 2021
2	Cable	N/A	EMCRG400-BM-NM-10000	170628	Apr. 12, 2021 Apr. 11, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 22, 2021 Mar. 21, 2022
4	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Mar. 27, 2021 Mar. 26, 2022
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 21, 2021 Mar. 20, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 22, 2021 Mar. 21, 2022
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 13, 2021 Apr. 11, 2022
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 13, 2021 Apr. 11, 2022
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 13, 2021 Apr. 11, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	9120D	9120D-1786	Mar. 27, 2021 Mar. 26, 2022
2	Pre-Amplifier	emci	EMC012645SE	980421	May. 11, 2021
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 21, 2022 Mar. 20, 2022
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 13, 2021 Apr. 11, 2022
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 13, 2021 Apr. 11, 2022
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 13, 2021 Apr. 11, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 22, 2021 Mar. 21, 2022
9	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	Mar. 28, 2021 Mar. 27, 2022
10	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 21, 2021 Mar. 20, 2022
11	EXA Spectrum Analyzer	Keysight	N9010A	MY56480579	Mar. 22, 2021 Mar. 21, 2022
12	Test Cable	emci	EMC102-KM-KM-800	170654	Apr. 16, 2021
13	Test Cable	emci	Super Reliable-40G-SS11-7000	W0030860001	Apr. 16, 2021
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021

Antenna Conducted Spurious Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021

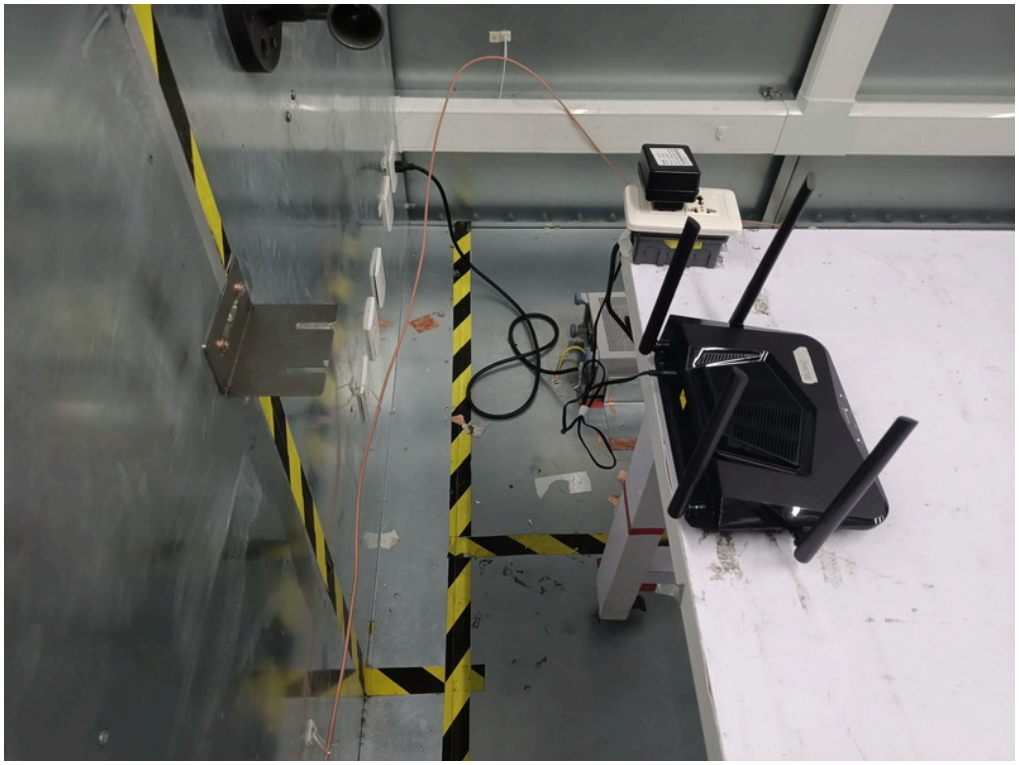
Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021

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

All calibration period of equipment list is one year.

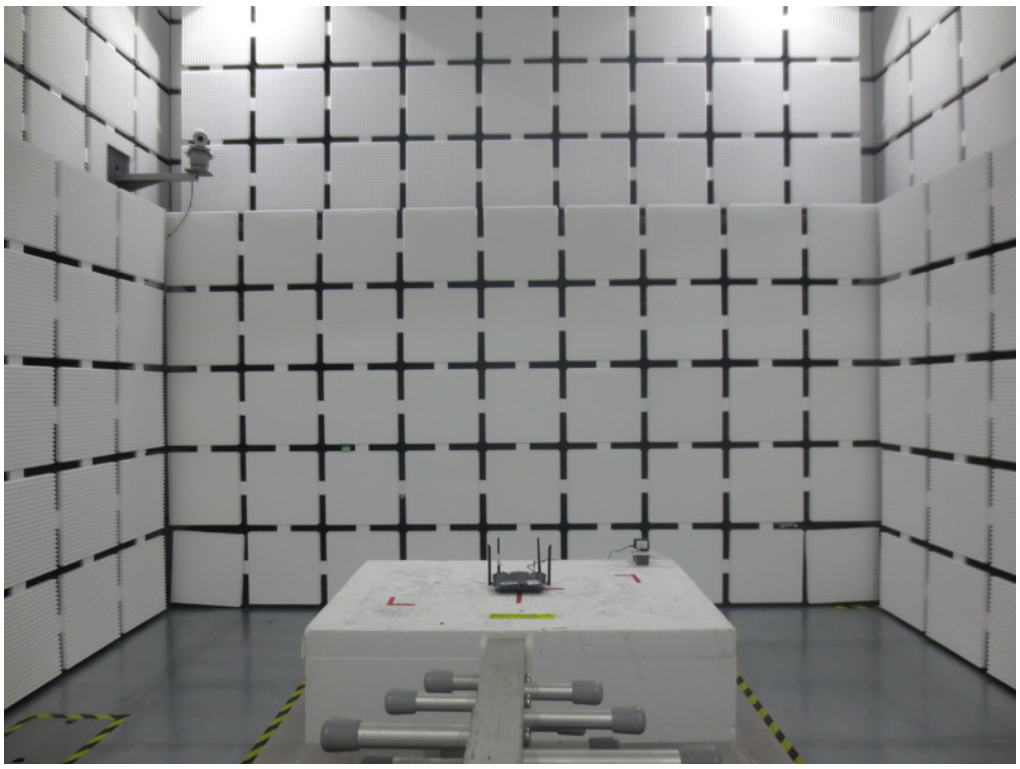
10. EUT TEST PHOTO

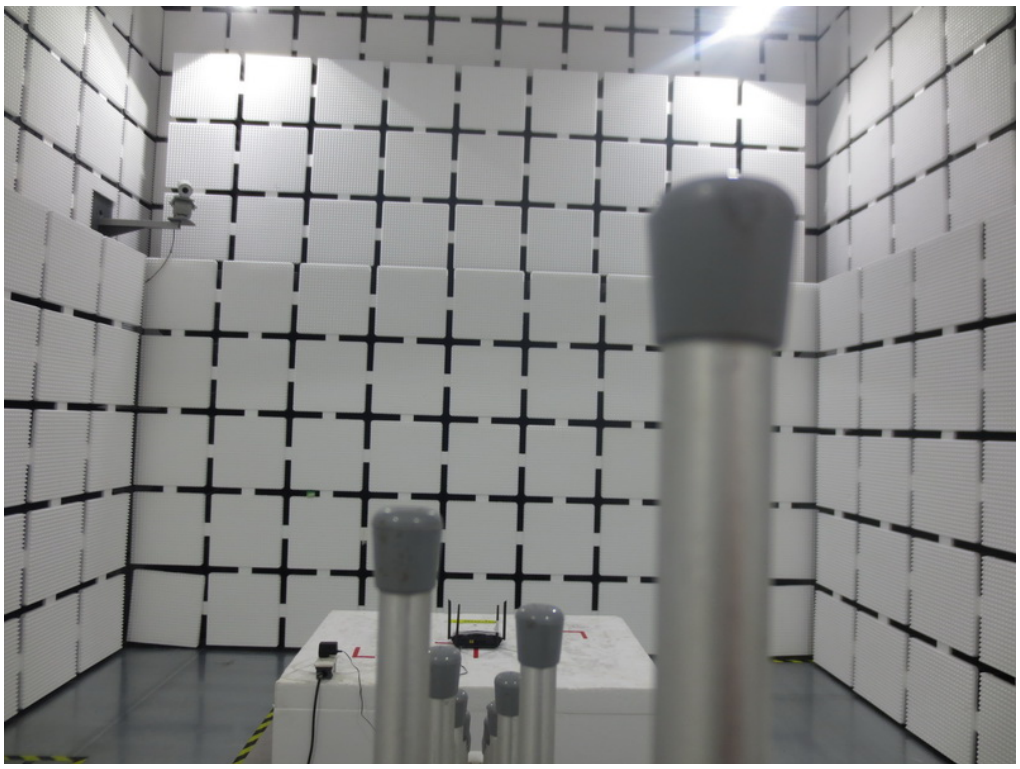
Conducted Emissions Test Photos



Radiated Emissions Test Photos

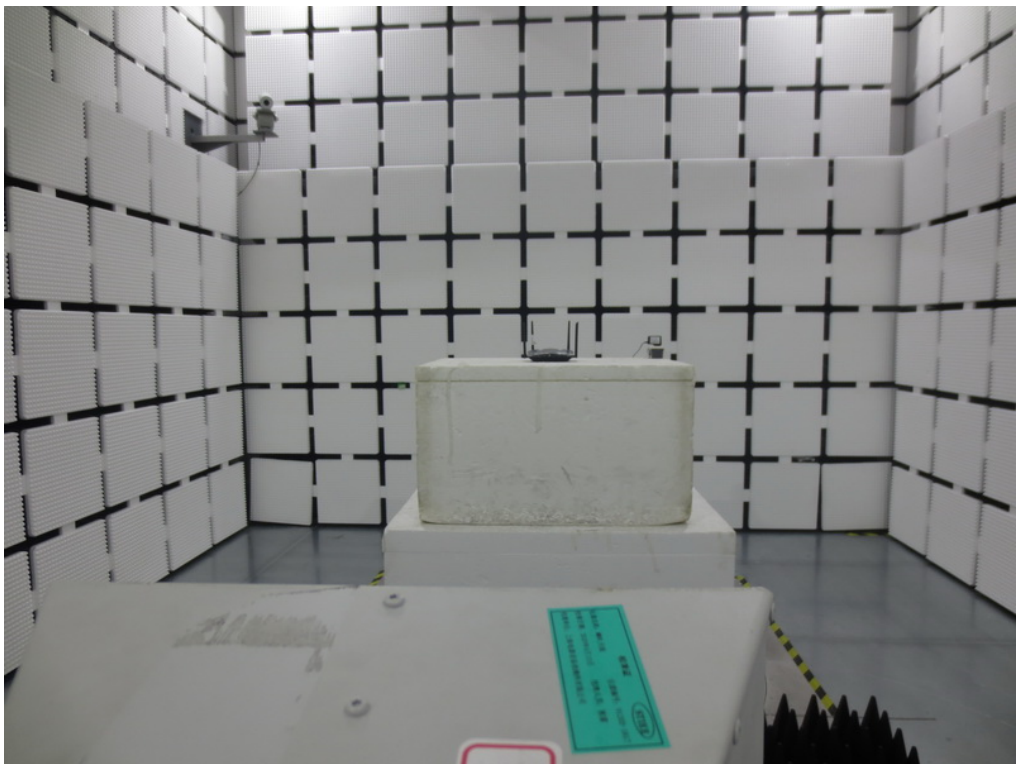
30 MHz to 1 GHz

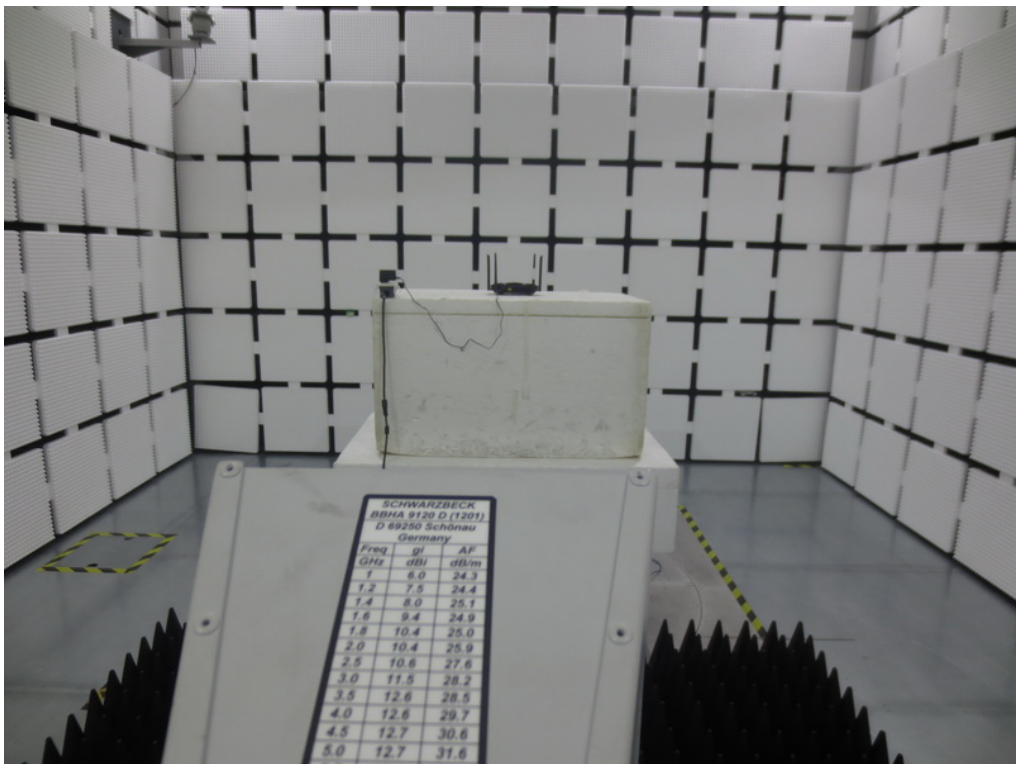




Radiated Emissions Test Photos

Above 1 GHz

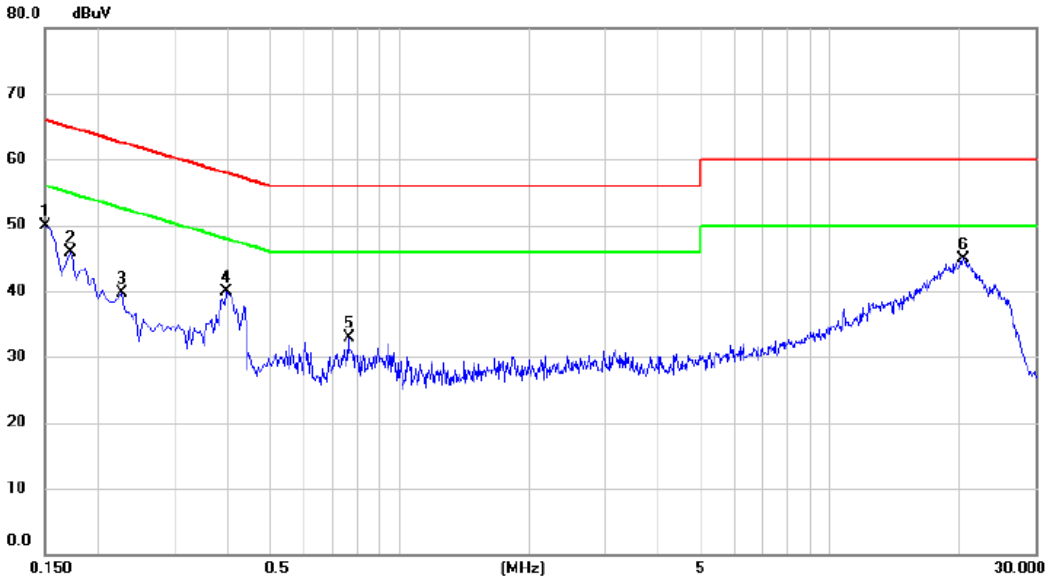




APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode:	TX n(HT20) Mode 2437 MHz

Line

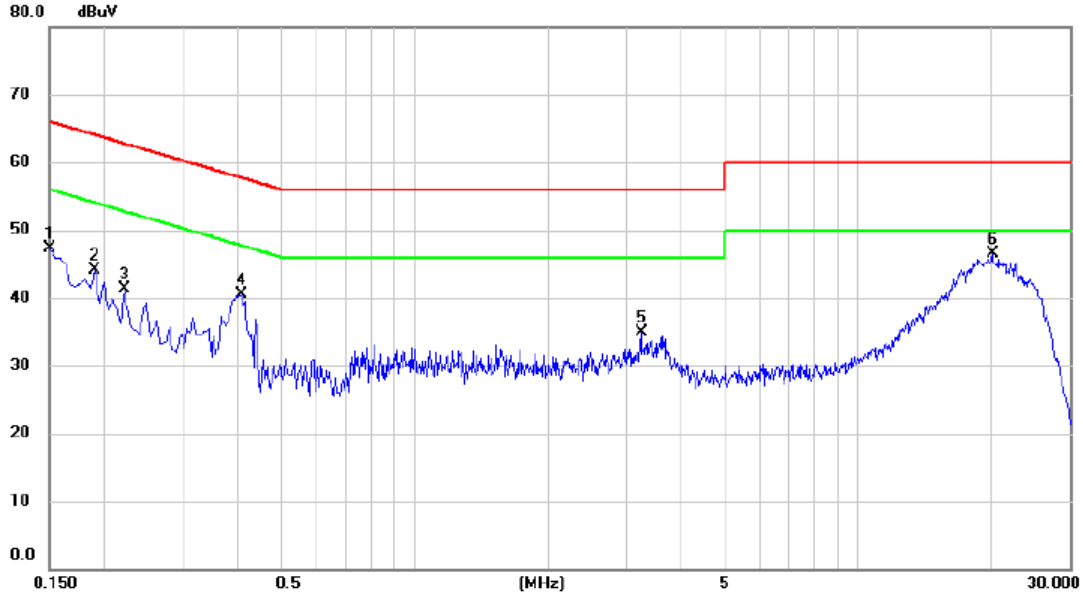


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	40.18	9.71	49.89	66.00	-16.11	peak	
2		0.1725	36.09	9.73	45.82	64.84	-19.02	peak	
3		0.2265	30.06	9.74	39.80	62.58	-22.78	peak	
4		0.3975	30.11	9.78	39.89	57.91	-18.02	peak	
5		0.7620	23.06	9.82	32.88	56.00	-23.12	peak	
6	*	20.4045	34.42	10.52	44.94	60.00	-15.06	peak	

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

Test Mode:	TX n(HT20) Mode 2437 MHz

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	37.60	9.68	47.28	66.00	-18.72	peak	
2		0.1905	34.30	9.71	44.01	64.01	-20.00	peak	
3		0.2220	31.66	9.71	41.37	62.74	-21.37	peak	
4		0.4065	30.80	9.76	40.56	57.72	-17.16	peak	
5		3.2550	24.96	9.96	34.92	56.00	-21.08	peak	
6	*	20.1165	35.85	10.57	46.42	60.00	-13.58	peak	

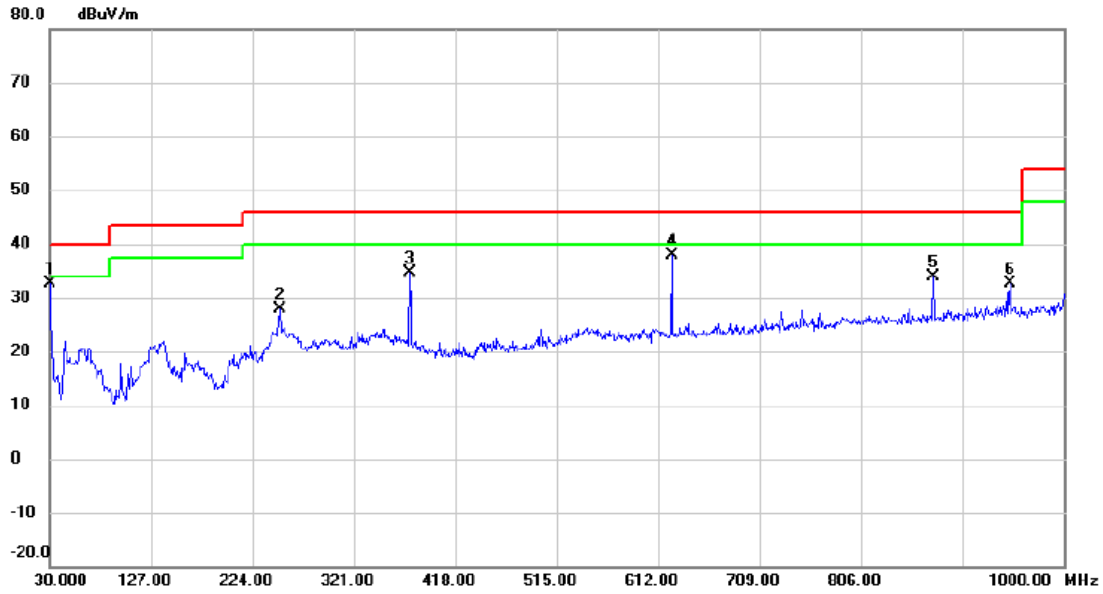
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Note: The measured value have enough margin over 20dB than the limit, therefore they are not reported.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

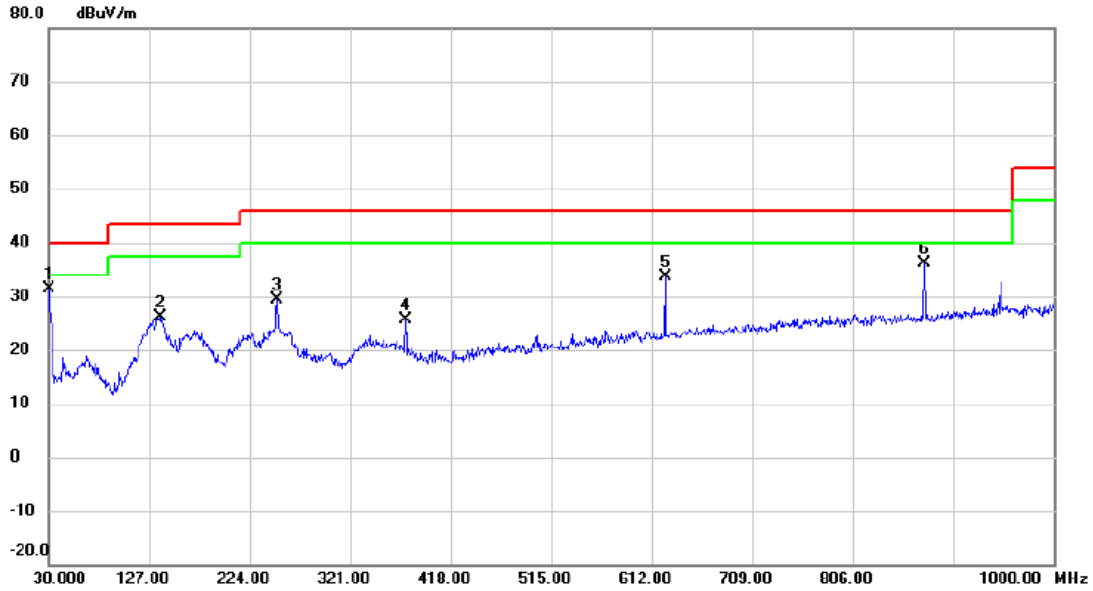
Test Mode	TX n(HT20) Mode 2437 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	30.0000	51.17	-18.45	32.72	40.00	-7.28	peak	
2		250.1900	45.24	-17.36	27.88	46.00	-18.12	peak	
3		374.8350	48.60	-13.90	34.70	46.00	-11.30	peak	
4		625.0950	46.73	-8.86	37.87	46.00	-8.13	peak	
5		874.8700	39.98	-6.13	33.85	46.00	-12.15	peak	
6		948.5900	37.85	-5.15	32.70	46.00	-13.30	peak	

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

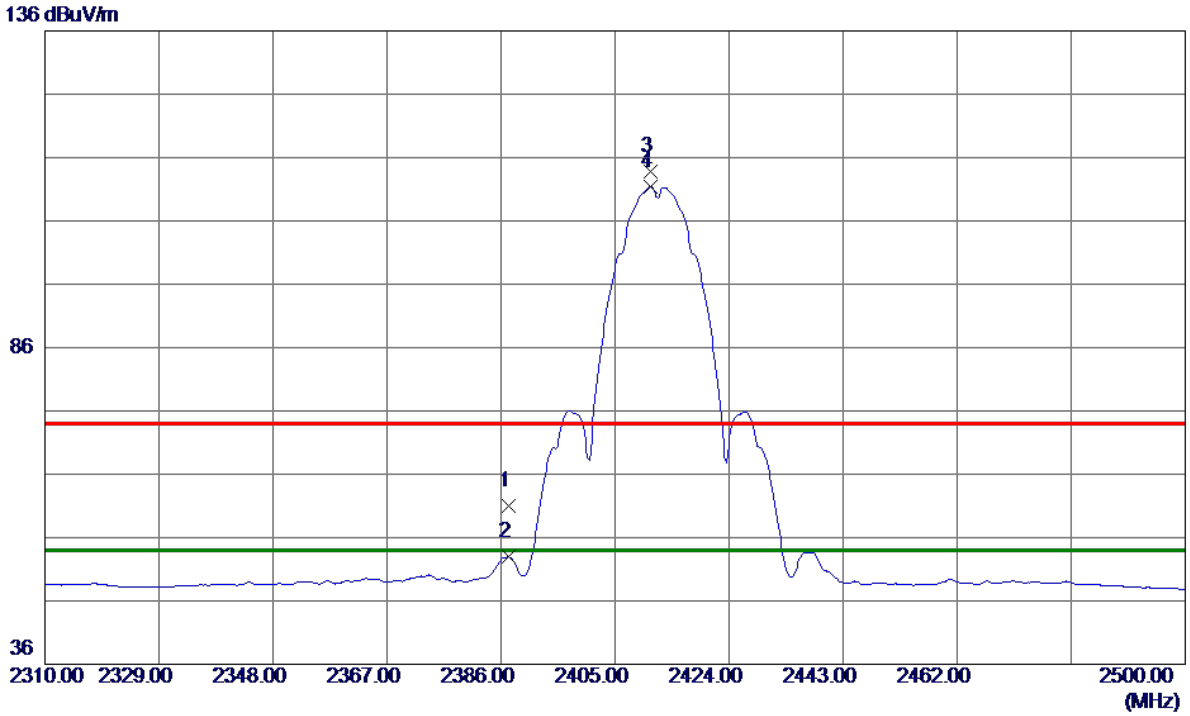


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	30.0000	49.85	-18.45	31.40	40.00	-8.60	peak	
2		138.6400	43.01	-16.92	26.09	43.50	-17.41	peak	
3		250.1900	46.74	-17.36	29.38	46.00	-16.62	peak	
4		374.8350	39.64	-13.90	25.74	46.00	-20.26	peak	
5		625.0950	42.40	-8.86	33.54	46.00	-12.46	peak	
6		874.8700	42.35	-6.13	36.22	46.00	-9.78	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	2387.2350	78.00	-16.99	61.01	74.00	-12.99	Peak	
2	2387.2350	69.94	-16.99	52.95	54.00	-1.05	AVG	
3	2410.8899	130.89	-17.01	113.88	74.00	39.88	Peak	
4 *	2410.8899	128.37	-17.01	111.36	54.00	57.36	AVG	

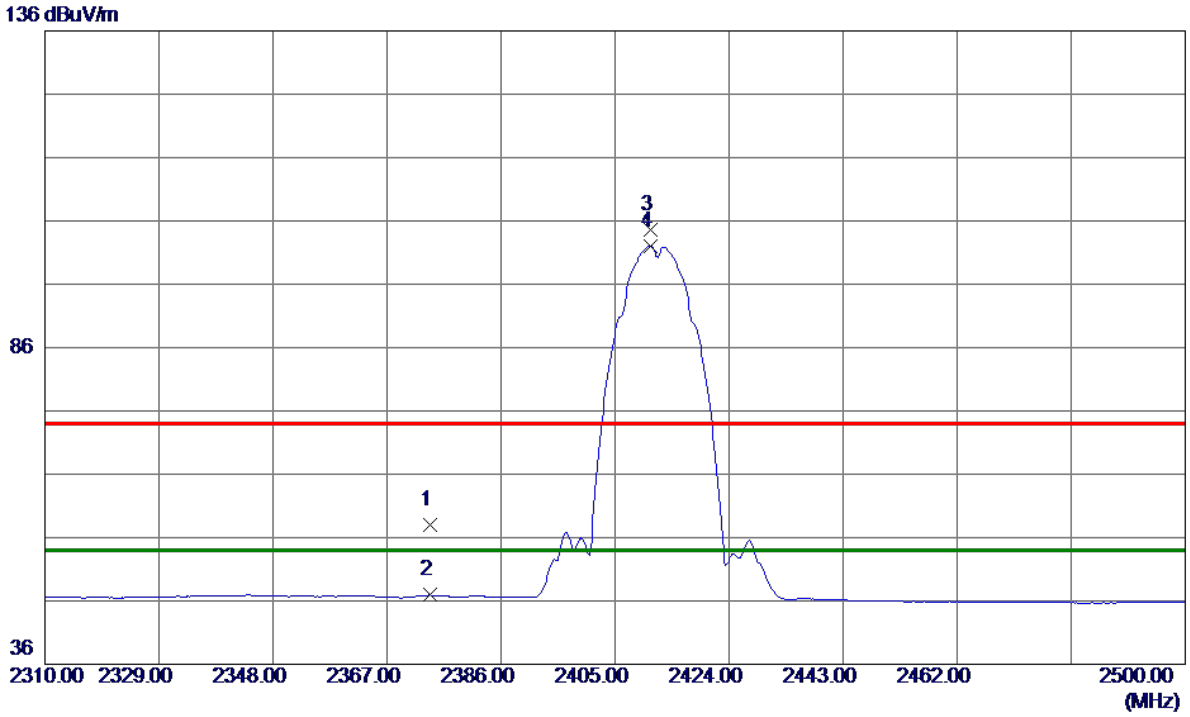
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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	52.01	-10.91	41.10	74.00	-32.90	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	2374.1250	75.00	-16.96	58.04	74.00	-15.96	Peak	
2	2374.1250	63.88	-16.96	46.92	54.00	-7.08	AVG	
3	2410.8899	121.58	-17.01	104.57	74.00	30.57	Peak	
4 *	2410.8899	119.08	-17.01	102.07	54.00	48.07	AVG	

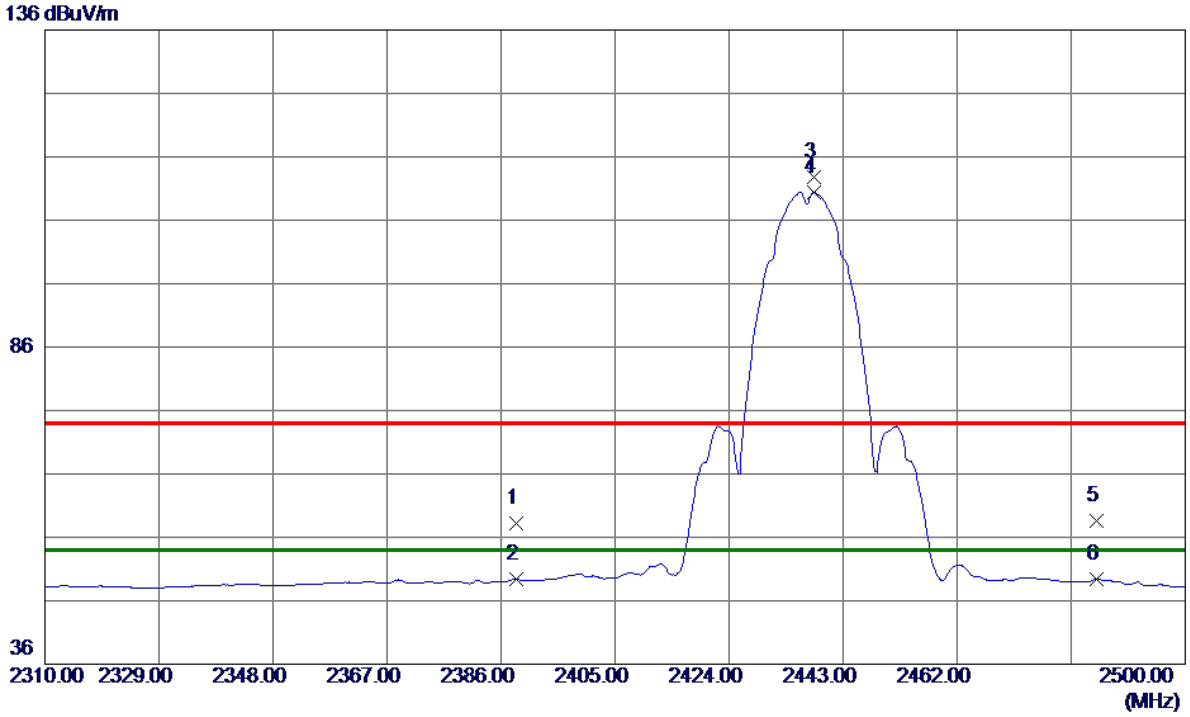
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4824.0000	50.52	-10.91	39.61	74.00	-34.39	Peak	

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	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.4700	75.12	-16.99	58.13	74.00	-15.87	Peak	
2	2388.4700	66.48	-16.99	49.49	54.00	-4.51	AVG	
3	2438.0600	129.90	-17.01	112.89	74.00	38.89	Peak	
4 *	2438.0600	127.38	-17.01	110.37	54.00	56.37	AVG	
5	2485.2750	75.56	-17.01	58.55	74.00	-15.45	Peak	
6	2485.2750	66.47	-17.01	49.46	54.00	-4.54	AVG	

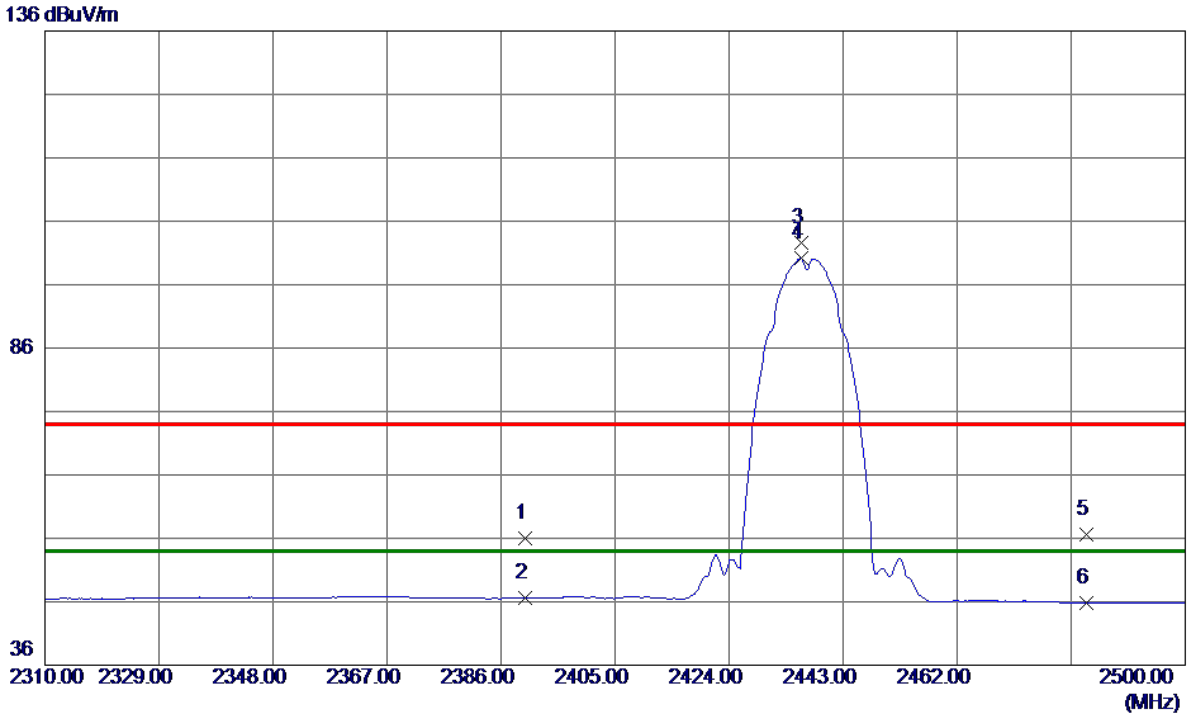
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4874.0000	48.53	-10.79	37.74	74.00	-36.26	Peak	

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	2390.0000	72.96	-16.99	55.97	74.00	-18.03	Peak	
2	2390.0000	63.61	-16.99	46.62	54.00	-7.38	AVG	
3	2435.9700	119.69	-17.01	102.68	74.00	28.68	Peak	
4 *	2435.9700	117.16	-17.01	100.15	54.00	46.15	AVG	
5	2483.5000	73.53	-17.01	56.52	74.00	-17.48	Peak	
6	2483.5000	62.83	-17.01	45.82	54.00	-8.18	AVG	

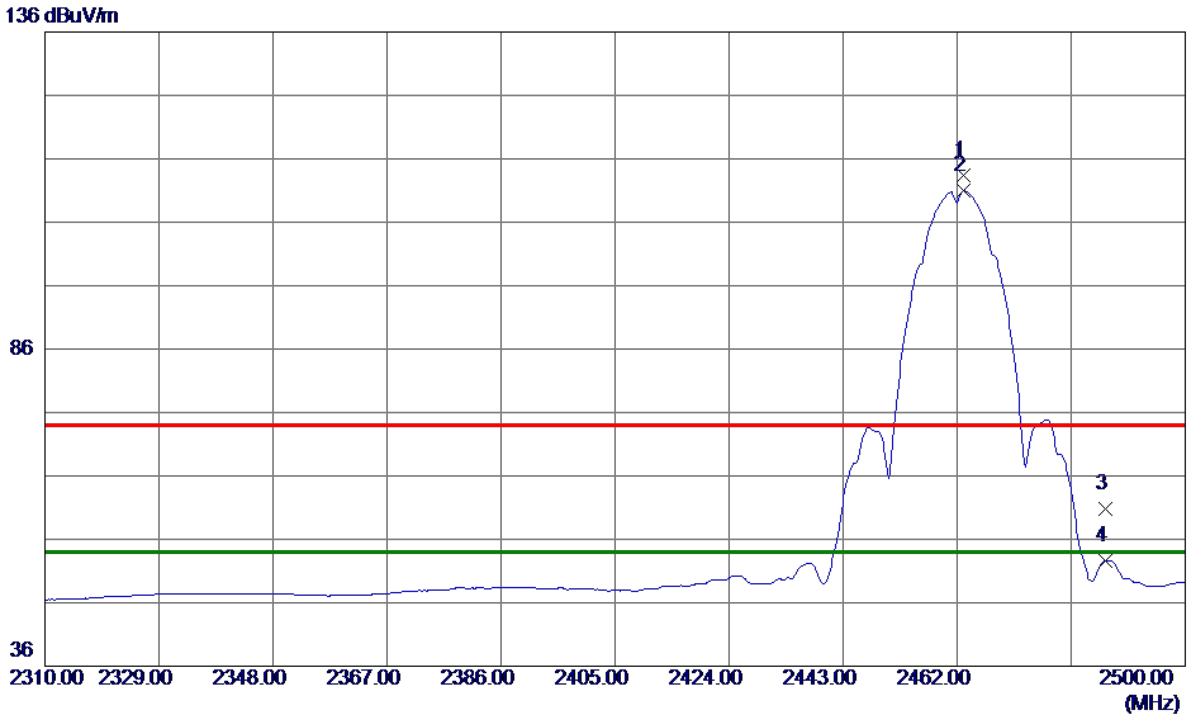
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4874.0000	48.52	-10.79	37.73	74.00	-36.27	Peak	

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	2463.1399	130.44	-17.01	113.43	74.00	39.43	Peak	
2 *	2463.1399	127.96	-17.01	110.95	54.00	56.95	AVG	
3	2486.7950	77.90	-17.01	60.89	74.00	-13.11	Peak	
4	2486.7950	69.68	-17.01	52.67	54.00	-1.33	AVG	

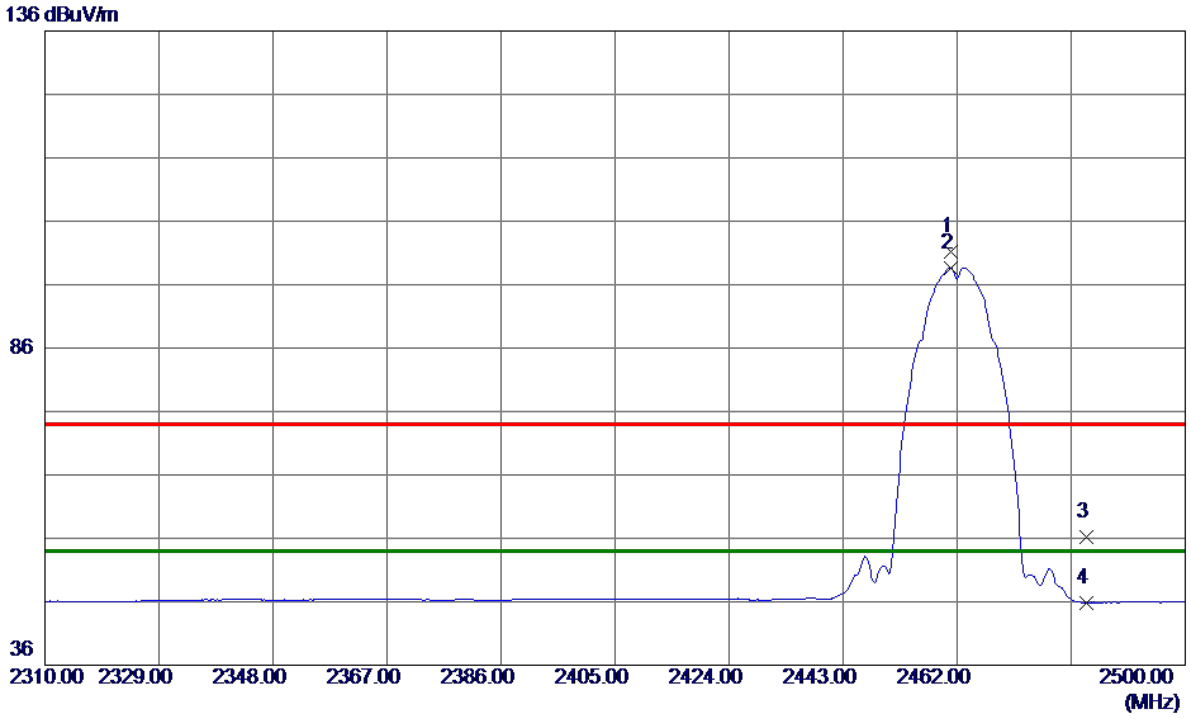
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4924.0000	49.36	-10.63	38.73	74.00	-35.27	Peak	

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	2460.9550	118.17	-17.01	101.16	74.00	27.16	Peak	
2 *	2460.9550	115.66	-17.01	98.65	54.00	44.65	AVG	
3	2483.5000	73.13	-17.01	56.12	74.00	-17.88	Peak	
4	2483.5000	62.89	-17.01	45.88	54.00	-8.12	AVG	

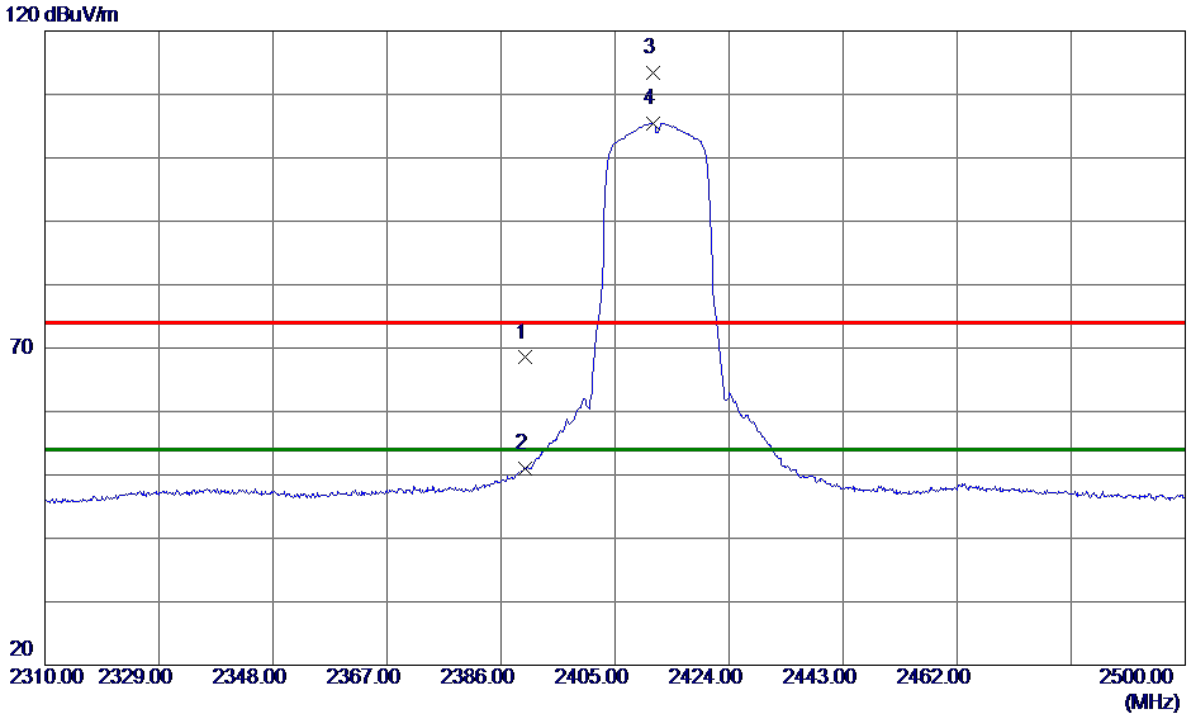
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4924.0000	49.42	-10.63	38.79	74.00	-35.21	Peak	

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	2390.0000	36.76	31.74	68.50	74.00	-5.50	Peak	
2	2390.0000	19.28	31.74	51.02	54.00	-2.98	AVG	
3	2411.2700	81.69	31.72	113.41	74.00	39.41	Peak	
4 *	2411.2700	73.77	31.72	105.49	54.00	51.49	AVG	

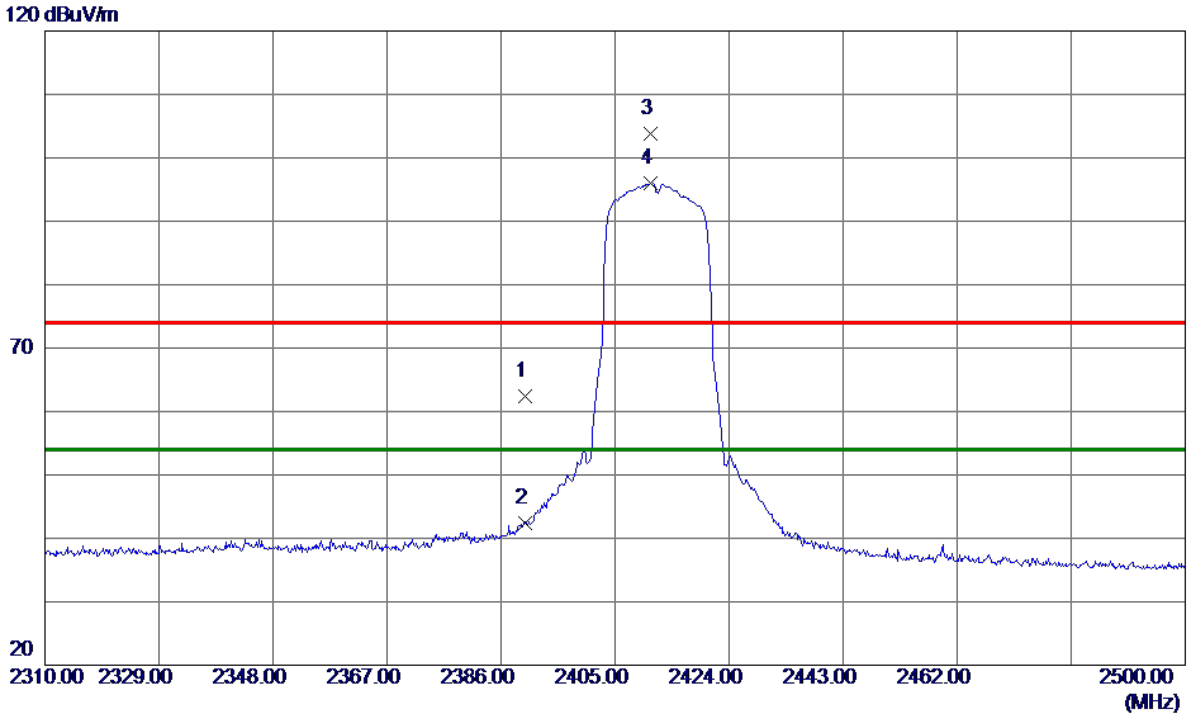
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4924.0000	49.74	-10.63	39.11	74.00	-34.89	Peak	

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	30.61	31.74	62.35	74.00	-11.65	Peak	
2	2390.0000	10.58	31.74	42.32	54.00	-11.68	AVG	
3	2410.9850	72.05	31.72	103.77	74.00	29.77	Peak	
4 *	2410.9850	64.25	31.72	95.97	54.00	41.97	AVG	

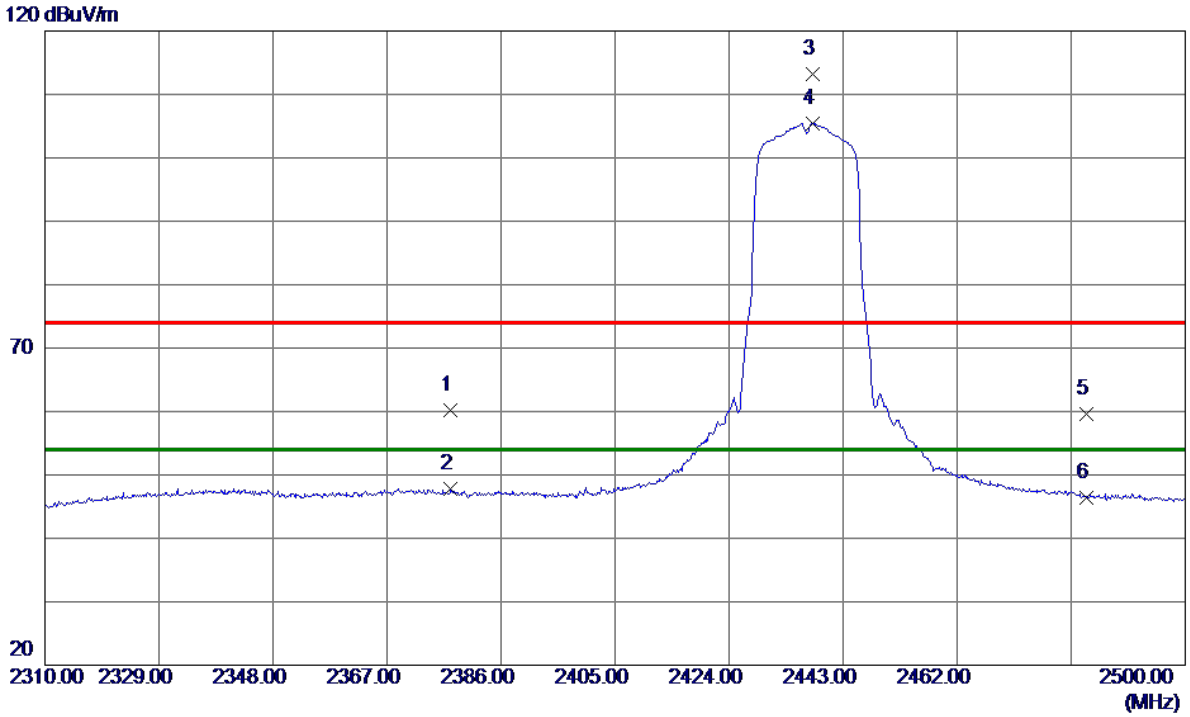
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4924.0000	49.72	-10.63	39.09	74.00	-34.91	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	2377.6399	28.37	31.76	60.13	74.00	-13.87	Peak	
2	2377.6399	16.09	31.76	47.85	54.00	-6.15	AVG	
3	2437.8700	81.58	31.72	113.30	74.00	39.30	Peak	
4 *	2437.8700	73.72	31.72	105.44	54.00	51.44	AVG	
5	2483.5000	27.87	31.71	59.58	74.00	-14.42	Peak	
6	2483.5000	14.72	31.71	46.43	54.00	-7.57	AVG	

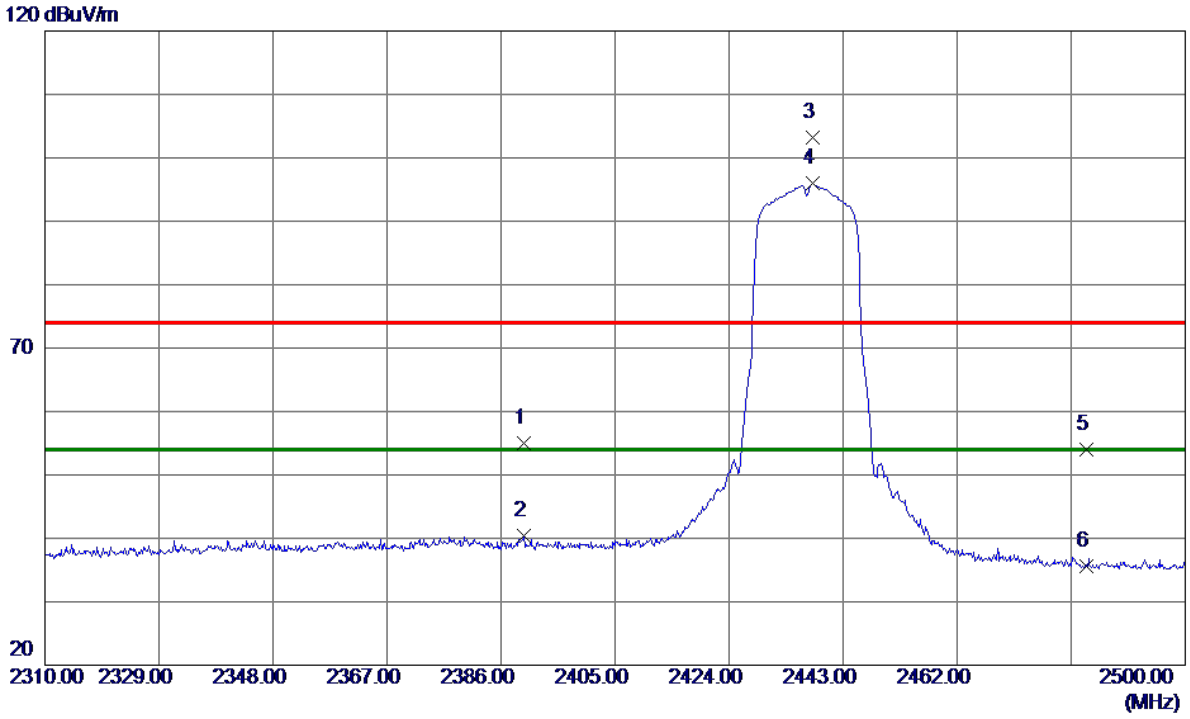
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4874.0000	49.61	-10.79	38.82	74.00	-35.18	Peak	

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	2389.8000	23.21	31.74	54.95	74.00	-19.05	Peak	
2	2389.8000	8.71	31.74	40.45	54.00	-13.55	AVG	
3	2437.8700	71.56	31.72	103.28	74.00	29.28	Peak	
4 *	2437.8700	64.20	31.72	95.92	54.00	41.92	AVG	
5	2483.5000	22.30	31.71	54.01	74.00	-19.99	Peak	
6	2483.5000	3.88	31.71	35.59	54.00	-18.41	AVG	

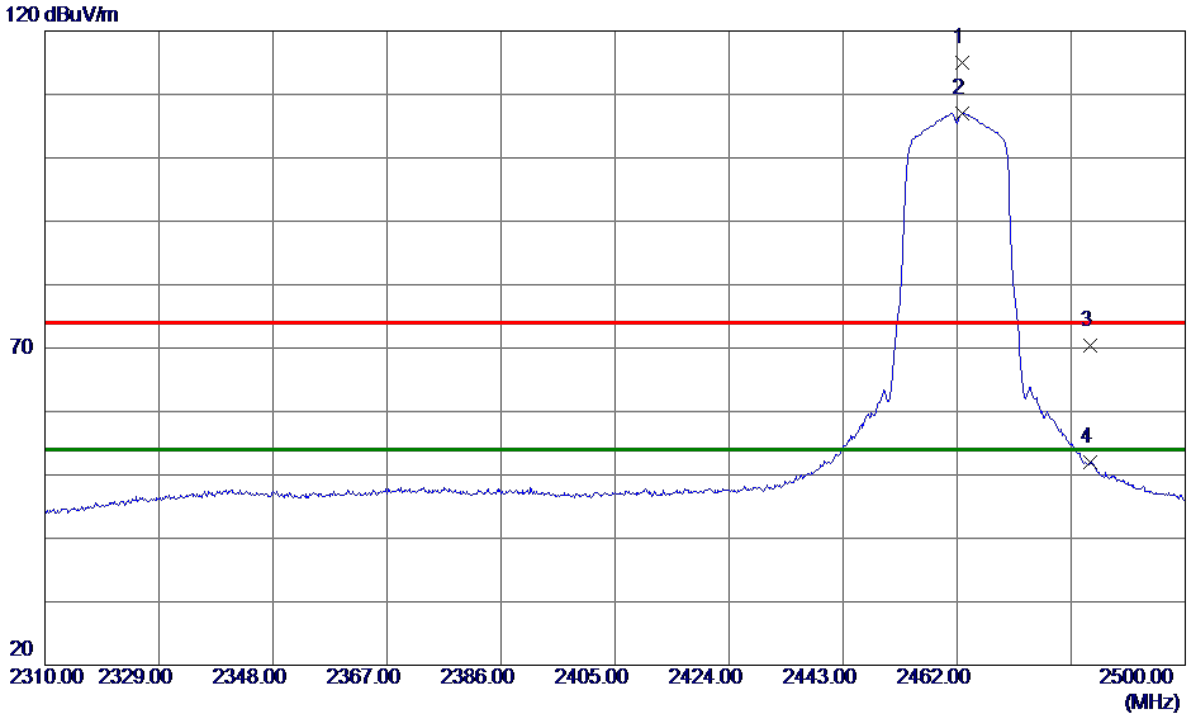
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4874.0000	49.21	-10.79	38.42	74.00	-35.58	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	2462.9500	83.23	31.71	114.94	74.00	40.94	Peak	
2 *	2462.9500	75.34	31.71	107.05	54.00	53.05	AVG	
3	2484.2300	38.60	31.71	70.31	74.00	-3.69	Peak	
4	2484.2300	20.36	31.71	52.07	54.00	-1.93	AVG	

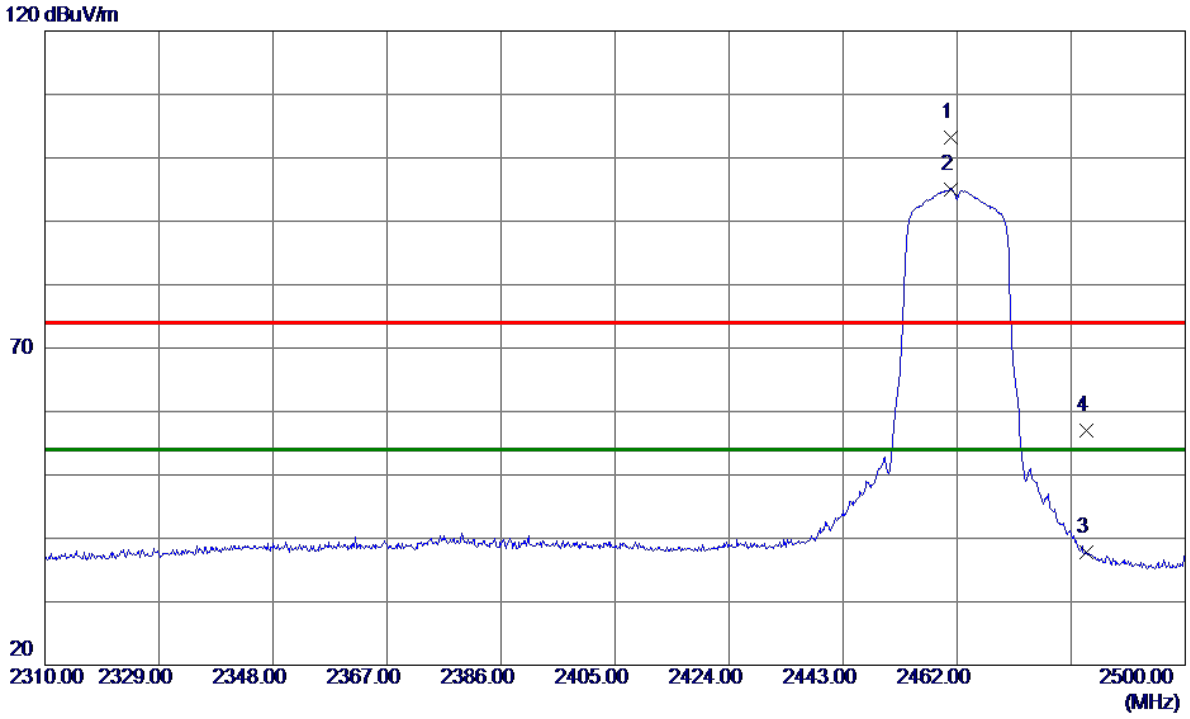
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4924.0000	50.01	-10.63	39.38	74.00	-34.62	Peak	

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	2460.8600	71.49	31.71	103.20	74.00	29.20	Peak	
2 *	2460.8600	63.39	31.71	95.10	54.00	41.10	AVG	
3	2483.5000	6.11	31.71	37.82	54.00	-16.18	AVG	
4	2483.5000	25.35	31.71	57.06	74.00	-16.94	Peak	

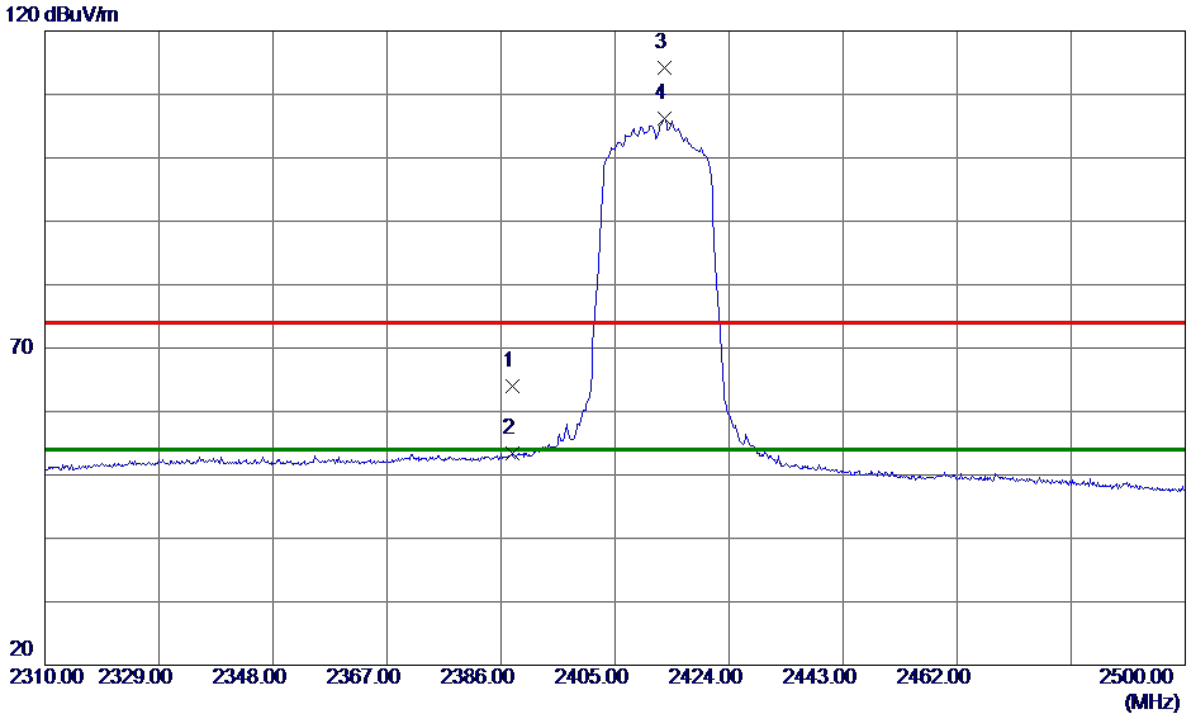
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4924.0000	48.90	-10.63	38.27	74.00	-35.73	Peak	

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	2387.8050	32.21	31.74	63.95	74.00	-10.05	Peak	
2	2387.8050	21.74	31.74	53.48	54.00	-0.52	AVG	
3	2413.1700	82.53	31.72	114.25	74.00	40.25	Peak	
4 *	2413.1700	74.54	31.72	106.26	54.00	52.26	AVG	

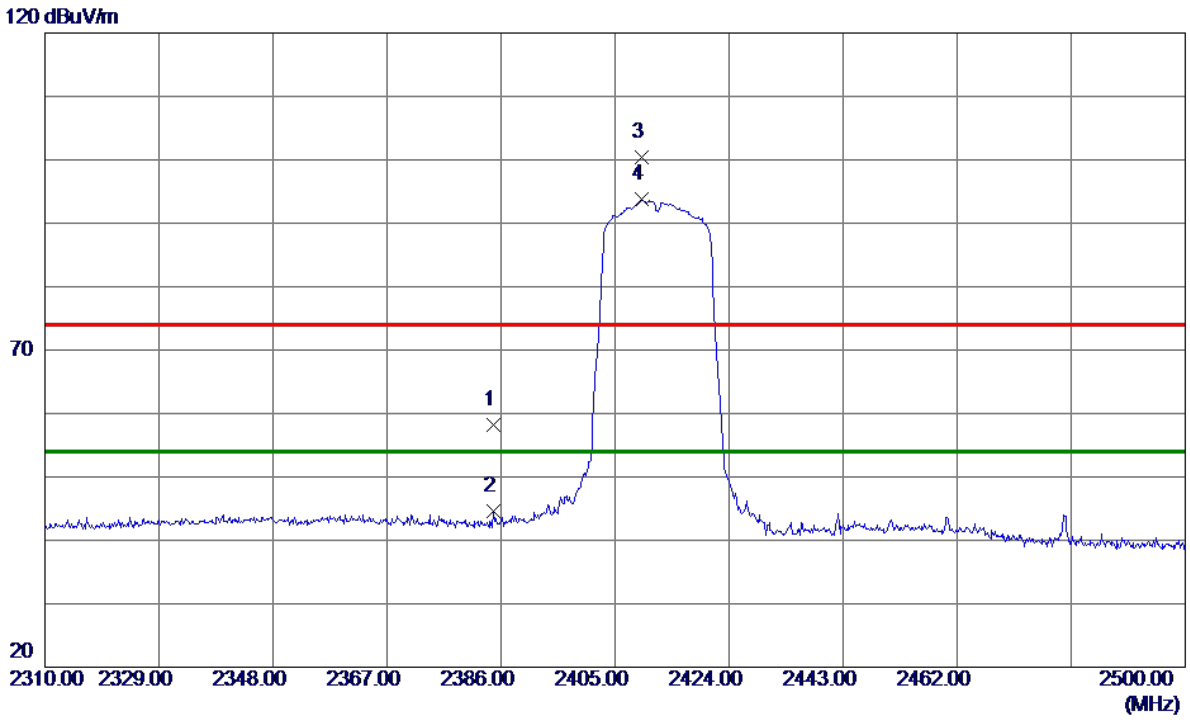
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4824.0000	51.98	-10.91	41.07	74.00	-32.93	Peak	

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	2384.7649	26.54	31.75	58.29	74.00	-15.71	Peak	
2	2384.7649	12.77	31.75	44.52	54.00	-9.48	AVG	
3	2409.4650	68.59	31.72	100.31	74.00	26.31	Peak	
4 *	2409.4650	62.04	31.72	93.76	54.00	39.76	AVG	

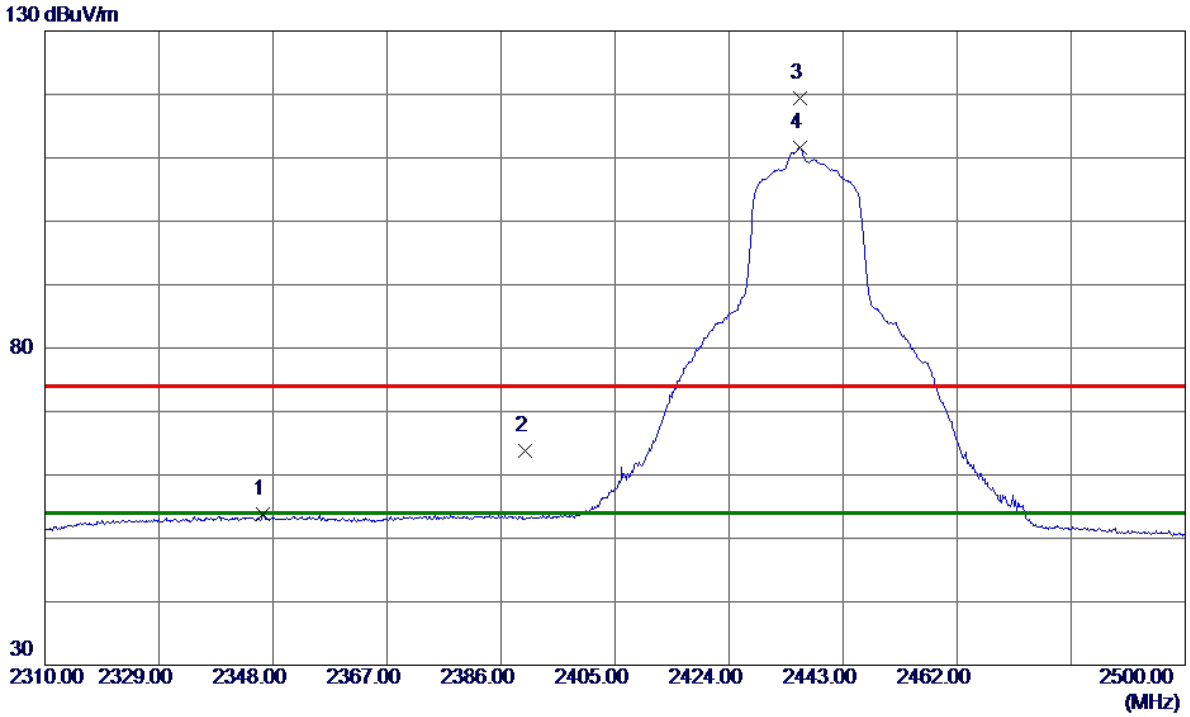
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4824.0000	50.29	-10.91	39.38	74.00	-34.62	Peak	

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	2346.3850	70.65	-16.91	53.74	54.00	-0.26	AVG	
2	2390.0000	80.84	-16.99	63.85	74.00	-10.15	Peak	
3	2435.7800	136.41	-17.01	119.40	74.00	45.40	Peak	
4 *	2435.7800	128.59	-17.01	111.58	54.00	57.58	AVG	

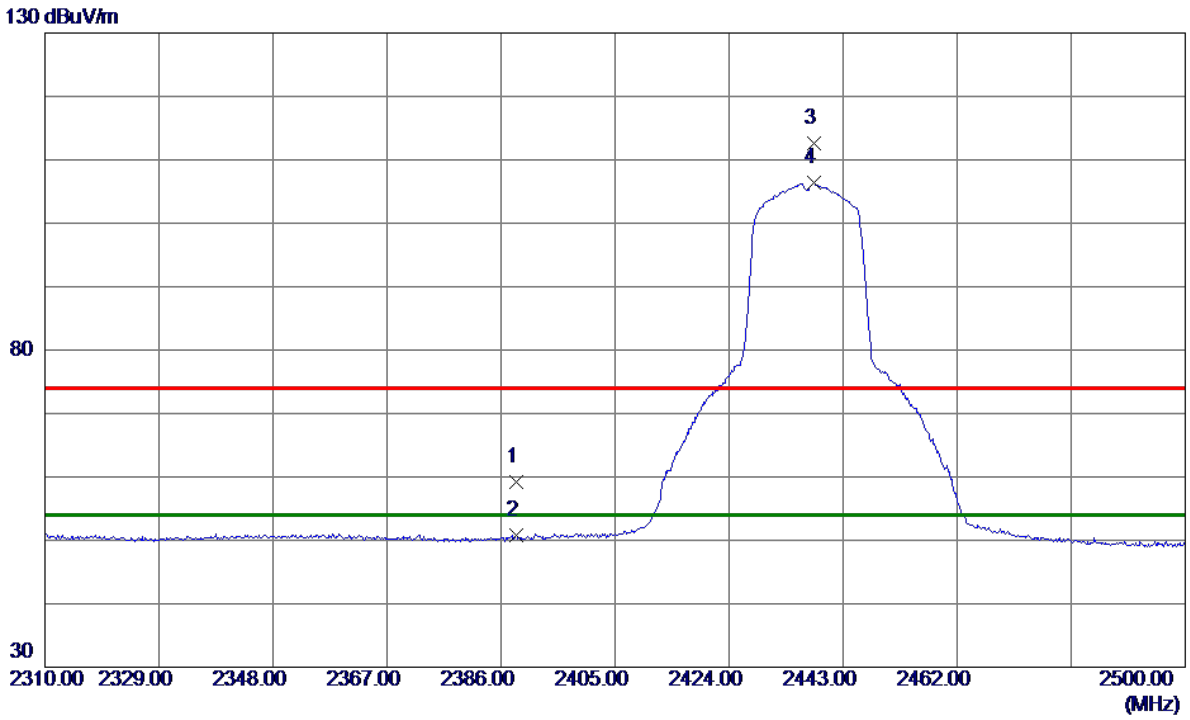
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4874.0000	48.66	-10.79	37.87	74.00	-36.13	Peak	

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	2388.4700	76.23	-16.99	59.24	74.00	-14.76	Peak	
2	2388.4700	67.81	-16.99	50.82	54.00	-3.18	AVG	
3	2438.0600	129.69	-17.01	112.68	74.00	38.68	Peak	
4 *	2438.0600	123.34	-17.01	106.33	54.00	52.33	AVG	

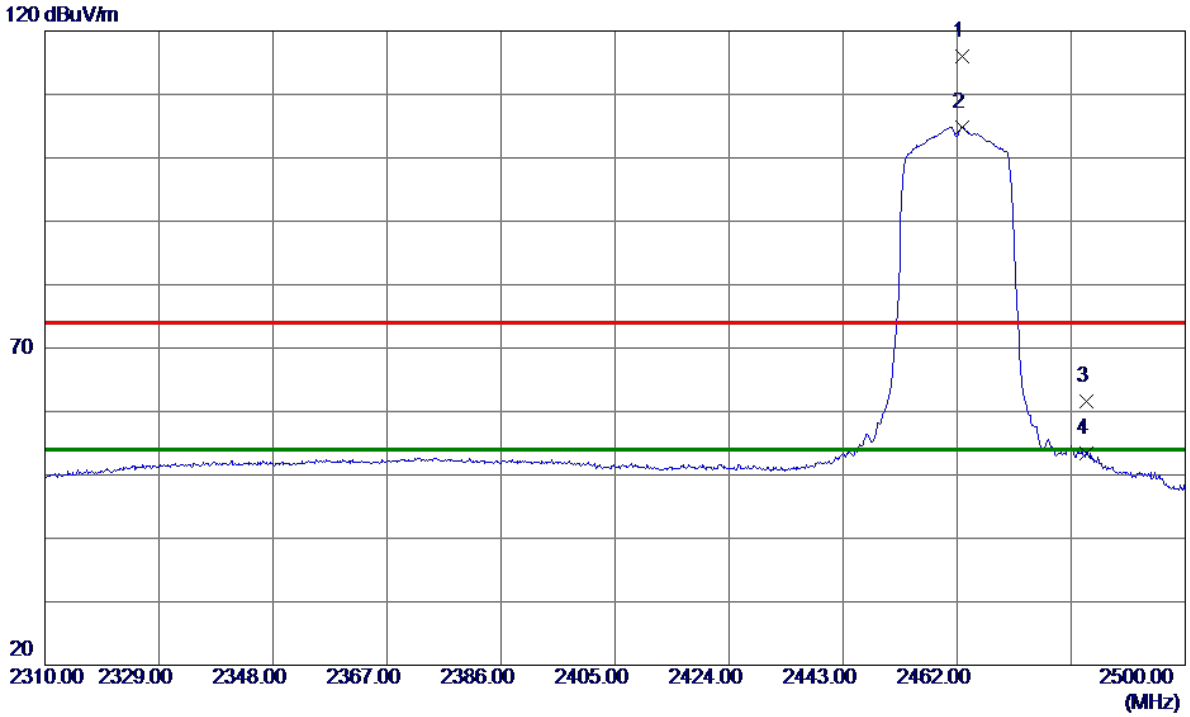
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4874.0000	49.97	-10.79	39.18	74.00	-34.82	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	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2462.7600	84.27	31.71	115.98	74.00	41.98	Peak	
2 *	2462.7600	73.18	31.71	104.89	54.00	50.89	AVG	
3	2483.5000	29.89	31.71	61.60	74.00	-12.40	Peak	
4	2483.5000	21.63	31.71	53.34	54.00	-0.66	AVG	

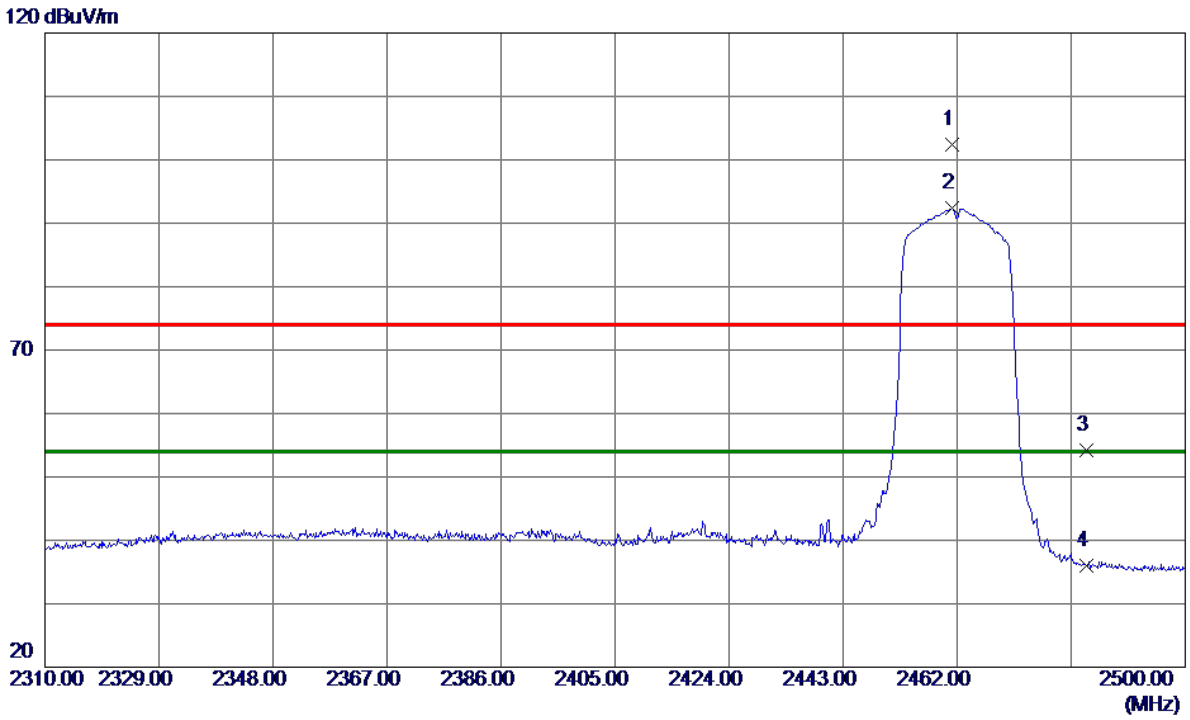
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4874.0000	49.20	-10.79	38.41	74.00	-35.59	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	2461.0500	70.64	31.71	102.35	74.00	28.35	Peak	
2 *	2461.0500	60.72	31.71	92.43	54.00	38.43	AVG	
3	2483.5000	22.40	31.71	54.11	74.00	-19.89	Peak	
4	2483.5000	4.24	31.71	35.95	54.00	-18.05	AVG	

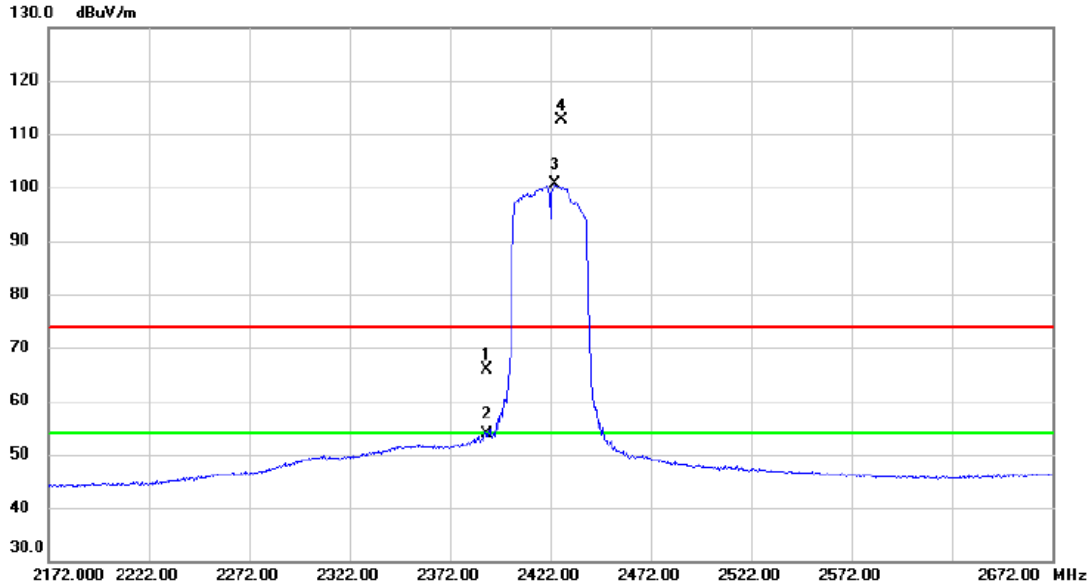
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4924.0000	49.70	-10.63	39.07	74.00	-34.93	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	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	57.63	8.31	65.94	74.00	-8.06	peak	
2		2390.000	45.68	8.31	53.99	54.00	-0.01	AVG	
3	*	2424.500	92.24	8.35	100.59	54.00	46.59	AVG	No Limit
4	X	2427.500	104.33	8.35	112.68	74.00	38.68	peak	No Limit

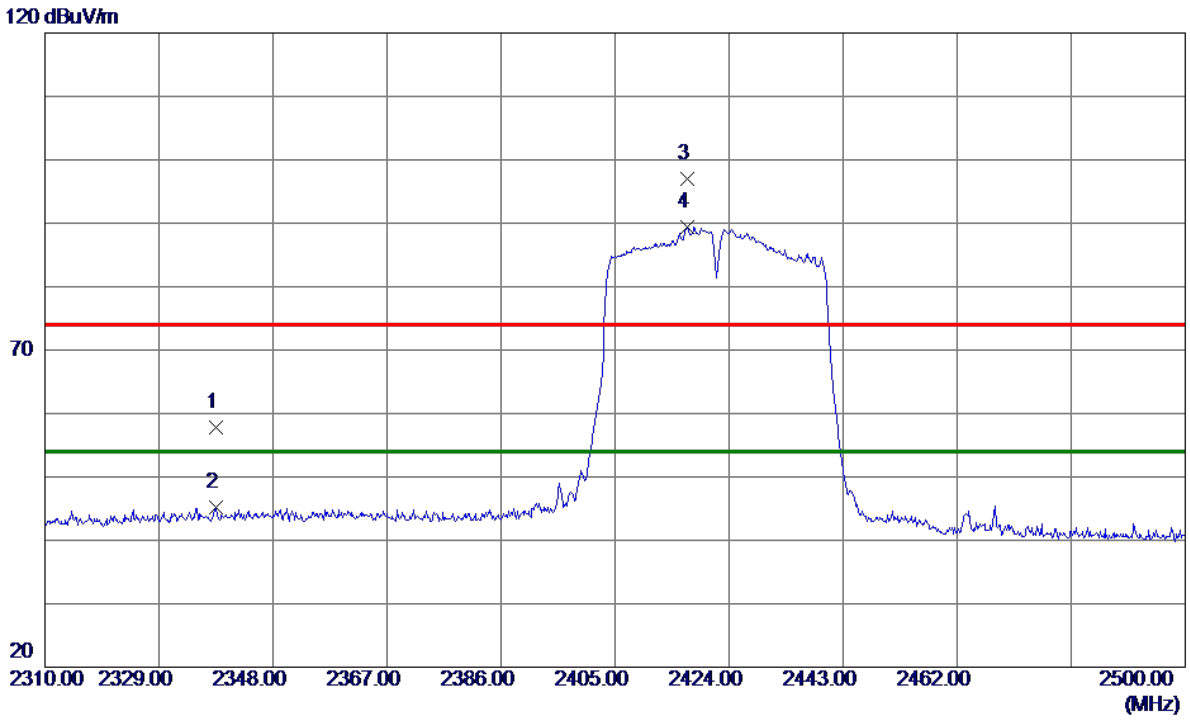
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4844.0000	50.18	-10.86	39.32	74.00	-34.68	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	2338.5000	25.92	31.84	57.76	74.00	-16.24	Peak	
2	2338.5000	13.42	31.84	45.26	54.00	-8.74	AVG	
3	2416.9700	65.26	31.72	96.98	74.00	22.98	Peak	
4 *	2416.9700	57.62	31.72	89.34	54.00	35.34	AVG	

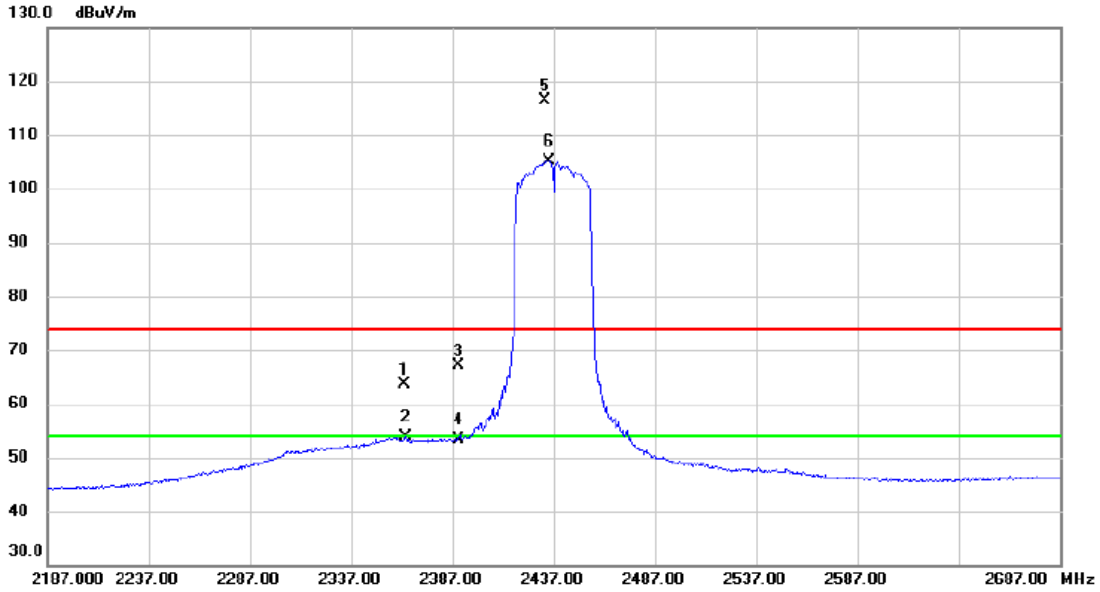
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4844.0000	50.09	-10.86	39.23	74.00	-34.77	Peak	

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.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2363.500	55.33	8.27	63.60	74.00	-10.40	peak	
2		2364.000	45.62	8.27	53.89	54.00	-0.11	AVG	
3		2390.000	58.86	8.31	67.17	74.00	-6.83	peak	
4		2390.000	45.09	8.31	53.40	54.00	-0.60	AVG	
5	X	2432.500	108.13	8.36	116.49	74.00	42.49	peak	No Limit
6	*	2434.500	96.87	8.36	105.23	54.00	51.23	AVG	No Limit

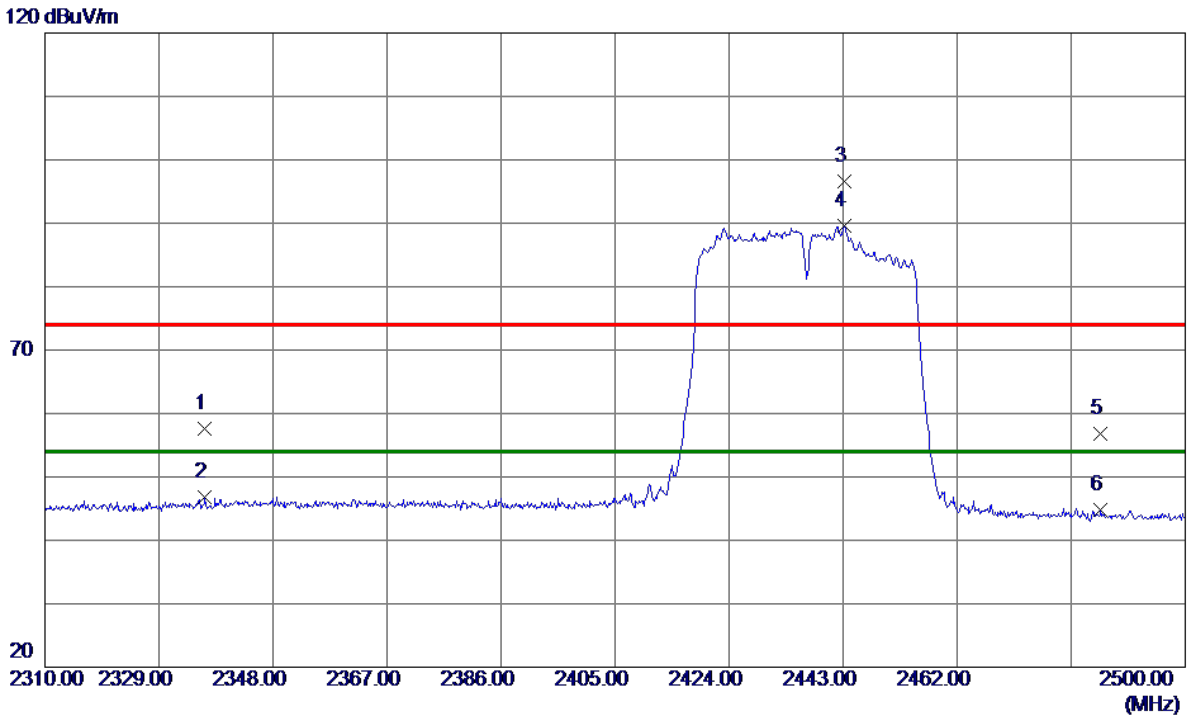
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4874.0000	49.31	-10.79	38.52	74.00	-35.48	Peak	

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	2336.6950	25.78	31.84	57.62	74.00	-16.38	Peak	
2	2336.6950	14.97	31.84	46.81	54.00	-7.19	AVG	
3	2443.1900	64.94	31.72	96.66	74.00	22.66	Peak	
4 *	2443.1900	57.79	31.72	89.51	54.00	35.51	AVG	
5	2485.9400	25.17	31.71	56.88	74.00	-17.12	Peak	
6	2485.9400	13.13	31.71	44.84	54.00	-9.16	AVG	

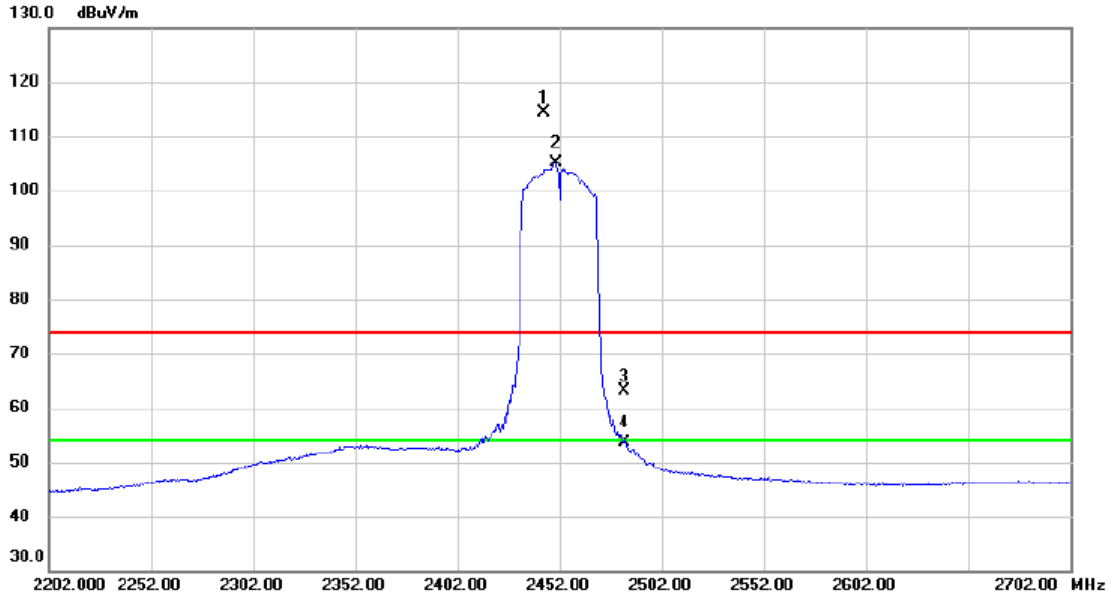
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4874.0000	49.22	-10.79	38.43	74.00	-35.57	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.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2444.000	105.95	8.37	114.32	74.00	40.32	peak	No Limit
2	*	2450.000	96.78	8.38	105.16	54.00	51.16	AVG	No Limit
3		2483.500	54.65	8.43	63.08	74.00	-10.92	peak	
4		2483.500	45.29	8.43	53.72	54.00	-0.28	AVG	

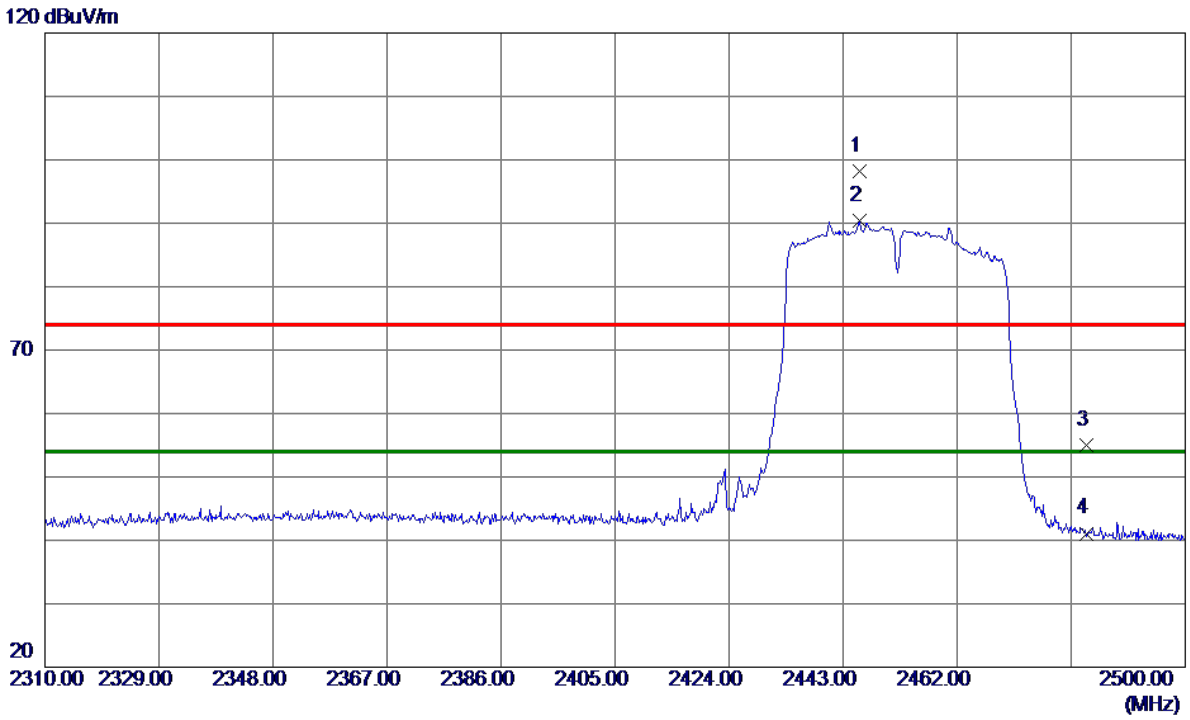
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4904.0000	49.10	-10.72	38.38	74.00	-35.62	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	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2445.7549	66.44	31.72	98.16	74.00	24.16	Peak	
2 *	2445.7549	58.64	31.72	90.36	54.00	36.36	AVG	
3	2483.5000	23.30	31.71	55.01	74.00	-18.99	Peak	
4	2483.5000	9.39	31.71	41.10	54.00	-12.90	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 *	4904.0000	49.06	-10.72	38.34	74.00	-35.66	Peak	

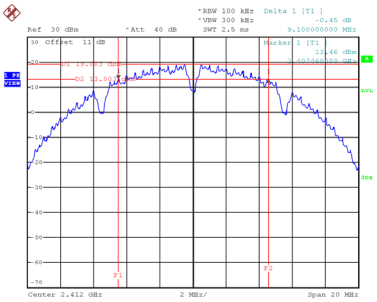
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	TX B Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	9.100	13.360	0.5	Complies
06	2437	9.590	13.360	0.5	Complies
11	2462	9.100	13.360	0.5	Complies

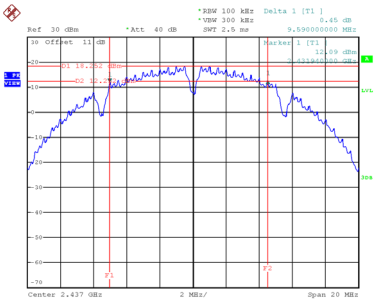
CH01



Date: 15.APR.2021 13:18:14

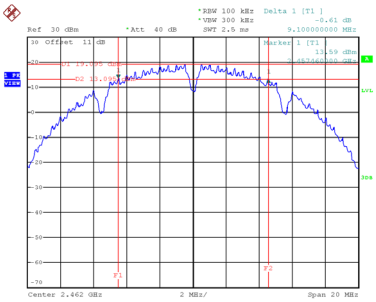
CH06

6 dB Bandwidth



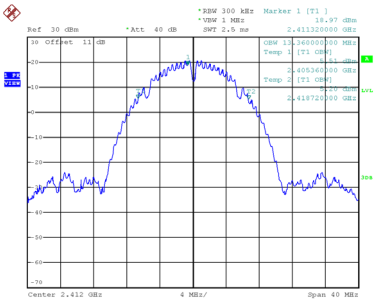
Date: 15.APR.2021 13:21:25

CH11

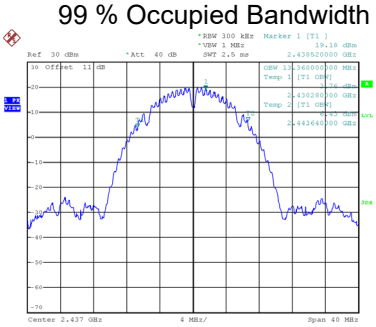


Date: 15.APR.2021 15:12:38

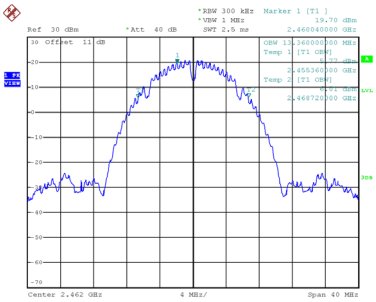
99 % Occupied Bandwidth



Date: 15.APR.2021 13:18:20



Date: 15.APR.2021 13:21:32

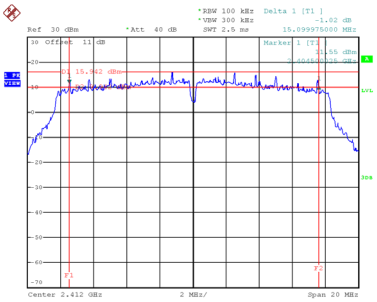


Date: 15.APR.2021 15:12:44

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	15.100	16.800	0.5	Complies
06	2437	15.080	16.800	0.5	Complies
11	2462	15.110	16.720	0.5	Complies

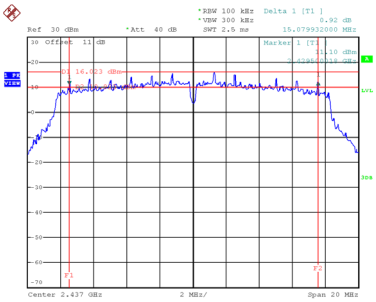
CH01



Date: 15.APR.2021 15:15:14

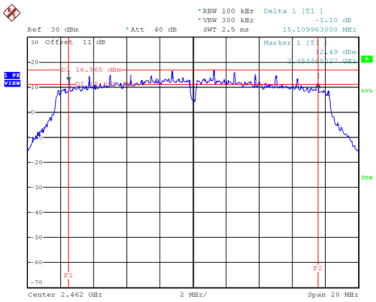
CH06

6 dB Bandwidth



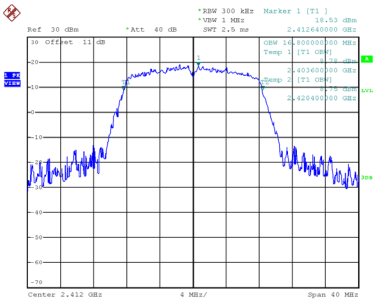
Date: 15.APR.2021 15:16:54

CH11



Date: 15.APR.2021 15:18:25

99 % Occupied Bandwidth



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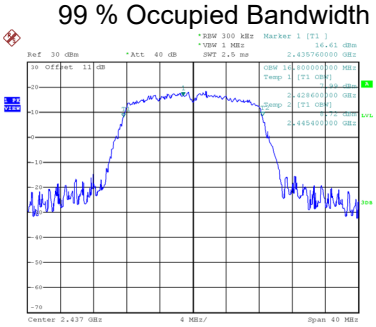
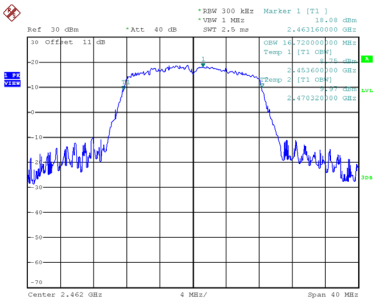


Date: 15.APR.2021 15:17:00

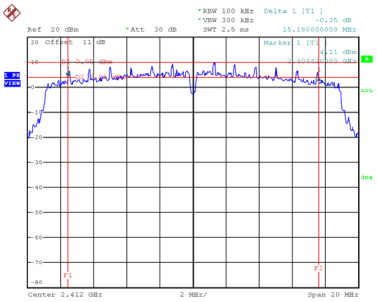


Date: 15.APR.2021 15:18:32

Test Mode	TX N(HT20) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	15.180	17.680	0.5	Complies
06	2437	15.140	17.600	0.5	Complies
11	2462	15.160	17.680	0.5	Complies

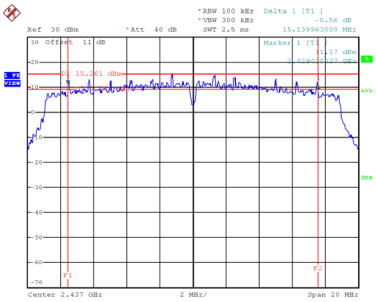
CH01



Date: 15.APR.2021 16:53:11

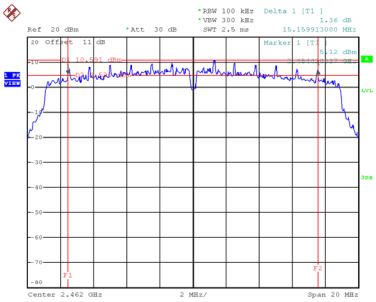
CH06

6 dB Bandwidth



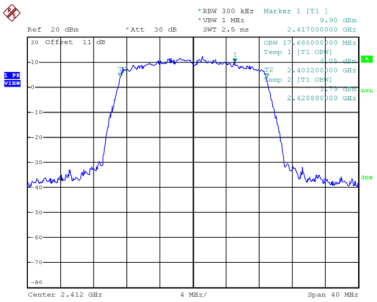
Date: 15.APR.2021 13:28:52

CH11

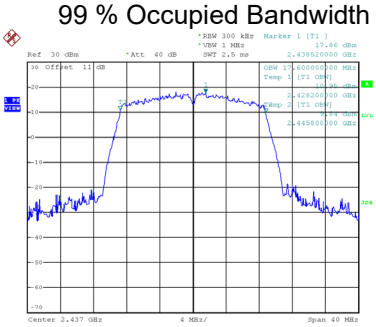


Date: 15.APR.2021 17:22:02

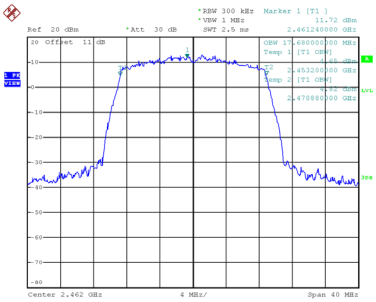
99 % Occupied Bandwidth



Date: 15.APR.2021 16:53:17



Date: 15.APR.2021 13:28:59

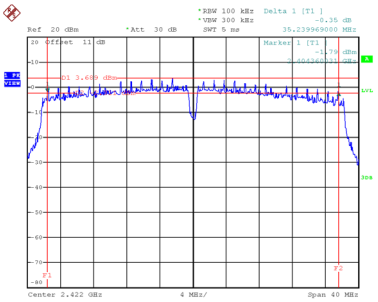


Date: 15.APR.2021 17:22:09

Test Mode	TX N(HT40) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	35.240	36.160	0.5	Complies
06	2437	35.160	36.320	0.5	Complies
09	2452	35.160	36.320	0.5	Complies

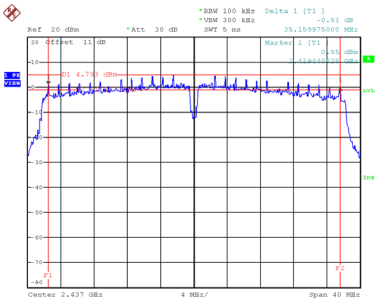
CH03



Date: 15.APR.2021 17:29:13

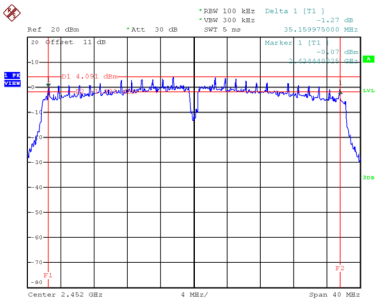
CH06

6 dB Bandwidth



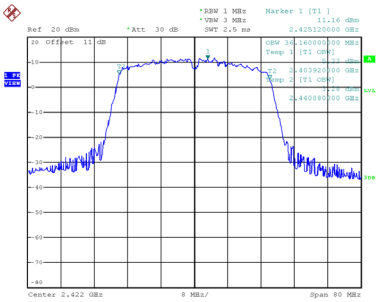
Date: 15.APR.2021 16:03:47

CH09

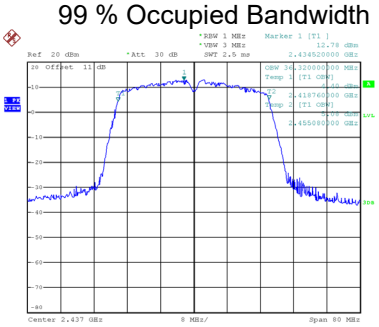


Date: 15.APR.2021 16:05:33

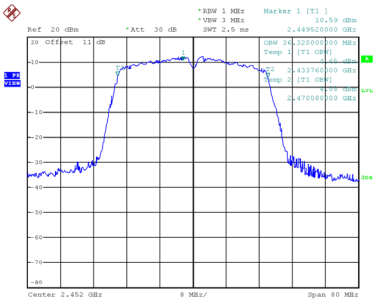
99 % Occupied Bandwidth



Date: 15.APR.2021 17:29:20



Date: 15.APR.2021 16:03:54



Date: 15.APR.2021 16:05:40

APPENDIX F - MAXIMUM OUTPUT POWER

CDD

Test Mode	TX B Mode_Ant. 1

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	25.17	0.03	25.20	30.00	1.0000	Complies
06	2437	24.50	0.03	24.53	30.00	1.0000	Complies
11	2462	24.37	0.03	24.40	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 1

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.56	0.19	21.75	30.00	1.0000	Complies
06	2437	20.92	0.19	21.11	30.00	1.0000	Complies
11	2462	21.59	0.19	21.78	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 1

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.79	0.63	15.42	30.00	1.0000	Complies
06	2437	21.16	0.63	21.79	30.00	1.0000	Complies
11	2462	14.60	0.63	15.23	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 2

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.78	0.63	15.41	30.00	1.0000	Complies
06	2437	20.64	0.63	21.27	30.00	1.0000	Complies
11	2462	14.39	0.63	15.02	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 3

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.18	0.63	14.81	30.00	1.0000	Complies
06	2437	20.91	0.63	21.54	30.00	1.0000	Complies
11	2462	14.38	0.63	15.01	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 4

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.93	0.63	15.56	30.00	1.0000	Complies
06	2437	21.89	0.63	22.52	30.00	1.0000	Complies
11	2462	15.03	0.63	15.66	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Total

Channel	Frequency (MHz)	AVG Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.33	30.00	1.0000	Complies
06	2437	27.83	30.00	1.0000	Complies
11	2462	21.26	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 1

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.99	1.05	18.04	30.00	1.0000	Complies
06	2437	20.08	1.05	21.13	30.00	1.0000	Complies
09	2452	20.26	1.05	21.31	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 2

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.77	1.05	17.82	30.00	1.0000	Complies
06	2437	19.23	1.05	20.28	30.00	1.0000	Complies
09	2452	18.85	1.05	19.90	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 3

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.04	1.05	17.09	30.00	1.0000	Complies
06	2437	18.75	1.05	19.80	30.00	1.0000	Complies
09	2452	18.98	1.05	20.03	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 4

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.27	1.05	17.32	30.00	1.0000	Complies
06	2437	20.32	1.05	21.37	30.00	1.0000	Complies
09	2452	19.45	1.05	20.50	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Total

Channel	Frequency (MHz)	AVG Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	23.61	30.00	1.0000	Complies
06	2437	26.71	30.00	1.0000	Complies
09	2452	26.50	30.00	1.0000	Complies

Beamforming

Test Mode	TX N(HT20) Mode_Ant. 1

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.33	0.63	14.96	25.25	0.3350	Complies
06	2437	18.62	0.63	19.25	25.25	0.3350	Complies
11	2462	14.51	0.63	15.14	25.25	0.3350	Complies

Test Mode	TX N(HT20) Mode_Ant. 2

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	13.65	0.63	14.28	25.25	0.3350	Complies
06	2437	17.37	0.63	18.00	25.25	0.3350	Complies
11	2462	13.32	0.63	13.95	25.25	0.3350	Complies

Test Mode	TX N(HT20) Mode_Ant. 3

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	13.32	0.63	13.95	25.25	0.3350	Complies
06	2437	17.05	0.63	17.68	25.25	0.3350	Complies
11	2462	13.47	0.63	14.10	25.25	0.3350	Complies

Test Mode	TX N(HT20) Mode_Ant. 4

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.02	0.63	14.65	25.25	0.3350	Complies
06	2437	18.35	0.63	18.98	25.25	0.3350	Complies
11	2462	14.38	0.63	15.01	25.25	0.3350	Complies

Test Mode	TX N(HT20) Mode_Total

Channel	Frequency (MHz)	AVG Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.50	25.25	0.3350	Complies
06	2437	24.55	25.25	0.3350	Complies
11	2462	20.60	25.25	0.3350	Complies

Test Mode	TX N(HT40) Mode_Ant. 1

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.82	1.05	17.87	25.25	0.3350	Complies
06	2437	17.94	1.05	18.99	25.25	0.3350	Complies
09	2452	18.75	1.05	19.80	25.25	0.3350	Complies

Test Mode	TX N(HT40) Mode_Ant. 2

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.67	1.05	17.72	25.25	0.3350	Complies
06	2437	17.09	1.05	18.14	25.25	0.3350	Complies
09	2452	17.22	1.05	18.27	25.25	0.3350	Complies

Test Mode	TX N(HT40) Mode_Ant. 3

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	15.89	1.05	16.94	25.25	0.3350	Complies
06	2437	16.53	1.05	17.58	25.25	0.3350	Complies
09	2452	17.12	1.05	18.17	25.25	0.3350	Complies

Test Mode	TX N(HT40) Mode_Ant. 4

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.10	1.05	17.15	25.25	0.3350	Complies
06	2437	18.12	1.05	19.17	25.25	0.3350	Complies
09	2452	17.86	1.05	18.91	25.25	0.3350	Complies

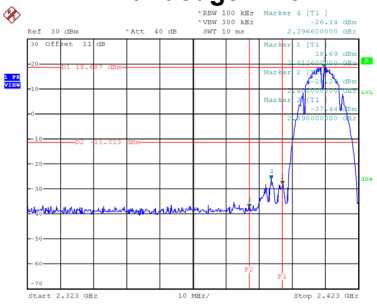
Test Mode	TX N(HT40) Mode_Total

Channel	Frequency (MHz)	AVG Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	23.46	25.25	0.3350	Complies
06	2437	24.54	25.25	0.3350	Complies
09	2452	24.86	25.25	0.3350	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

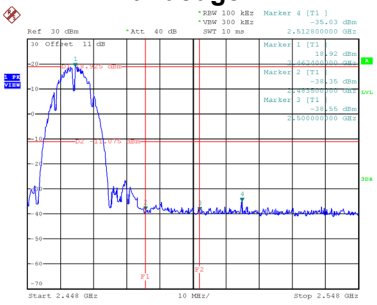
Test Mode	TX B Mode_Ant. 1

Bandedge-CH01



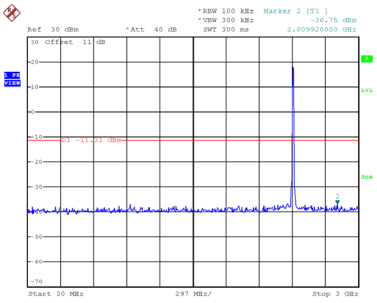
Date: 15.APR.2021 13:18:28

Bandedge-CH11

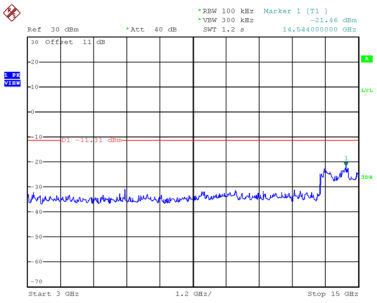


Date: 15.APR.2021 15:12:52

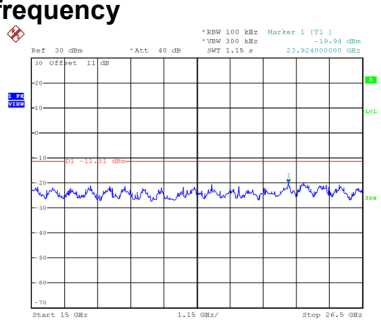
CH01 – 10th Harmonic of the fundamental frequency



Date: 15.APR.2021 13:18:41

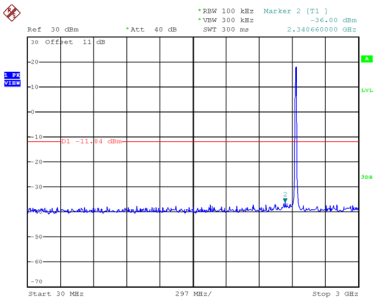


Date: 15.APR.2021 13:18:48

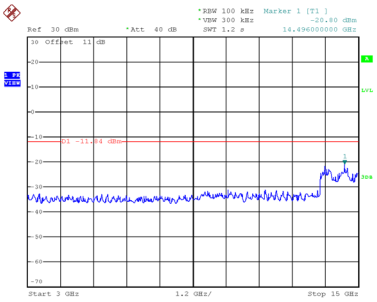


Date: 15.APR.2021 13:18:55

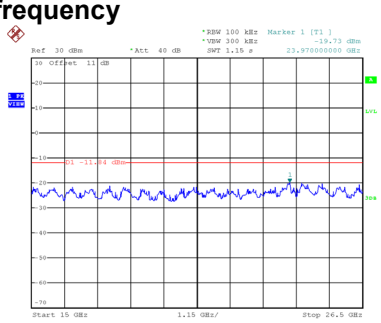
CH06 – 10th Harmonic of the fundamental frequency



Date: 15.APR.2021 13:21:52

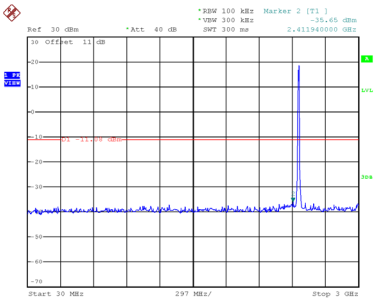


Date: 15.APR.2021 13:21:59

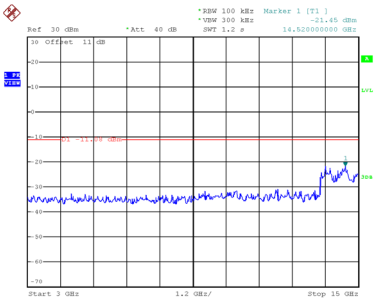


Date: 15.APR.2021 13:22:06

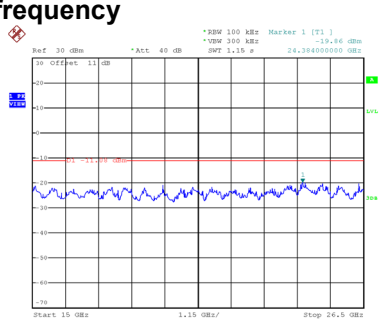
CH11 – 10th Harmonic of the fundamental frequency



Date: 15.APR.2021 15:13:05



Date: 15.APR.2021 15:13:12



Date: 15.APR.2021 15:13:19