FCC Radio Test Report

FCC ID: 2BH7FC460

Report No.	:	BTL-FCCP-1-2408G079
Equipment	:	Battery-Powered Outdoor Security Camera
Model Name	:	Tapo C460
Brand Name	:	tp-link
Applicant	:	TP-Link Systems Inc.
Address	:	10 Mauchly, Irvine, CA 92618
Manufacturer	:	TP-Link Systems Inc.
Address	:	10 Mauchly, Irvine, CA 92618
Radio Function	:	WLAN 2.4 GHz
FCC Rule Part(s)	:	FCC CFR Title 47, Part 15, Subpart C (15.247)
Measurement Procedure(s)	:	ANSI C63.10-2013
Date of Receipt	:	2025/1/23
Date of Test	:	2025/1/24 ~ 2025/2/15
Issued Date	:	2025/5/12

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

Prepared by : Poken Huang, Engineer

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Declaration

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

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

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

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

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

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

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

CONTENTS

REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2408G079	R00	Original Report.	2025/4/2	Invalid
BTL-FCCP-1-2408G079	R01	Modified the comments.	2025/5/12	Valid

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	Pass	------
15.209 15.247(d)	Radiated Emissions	APPENDIX B APPENDIX C	Pass	------
15.247(a)	Bandwidth	APPENDIX D	Pass	------
15.247(b)	Output Power	APPENDIX E	Pass	------
15.247(e)	Power Spectral Density	APPENDIX F	Pass	------
15.247(d)	Antenna conducted Spurious Emission	APPENDIX G	Pass	------
15.203	Antenna Requirement	------	Pass	**NOTE (3)**

NOTE:
(1) ”N/A” denotes test is not applicable in this Test Report.
(2) The report format version is TP.1.1.1.
(3) The device what use replaceable antennas with non-standard interfaces are considered sufficient to com ply with the provisions of 15.203.

1.1 TEST FACILITY

The test locations stated below are under the TAF Accreditation Number 0659.
The test location(s) used to collect the test data in this report are:
(FCC DN: TW0659)
No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
☒ CB20 ☒ TR01 ☒ C01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U**, where expanded uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k = 2**, providing a level of confidence of approximately **95 %**. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cispr} requirement.

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U (dB)
C01	CISPR	150 kHz ~ 30MHz	3.44

B. Radiated emissions test:

Test Site	Measurement Frequency Range	U (dB)
CB20	0.03 GHz ~ 0.2 GHz	4.01
	0.2 GHz ~ 1 GHz	4.64
	1 GHz ~ 6 GHz	5.91
	6 GHz ~ 18 GHz	6.24
	18 GHz ~ 26 GHz	3.93
	26 GHz ~ 40 GHz	4.06

C. Conducted test:

Test Item	U (dB)
Occupied Bandwidth	0.86 %
Output power	0.40 dB
Power Spectral Density	0.86 dB
Conducted Spurious emissions	1.83 dB
Conducted Band edges	1.83 dB

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

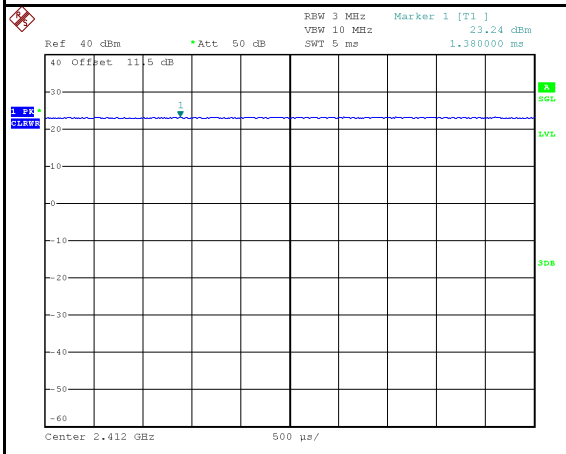
Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	25°C, 45%	AC 120 V	Benny Cao
Radiated emissions below 1 GHz	25°C, 65%	AC 120 V	Benny Cao
Radiated emissions above 1 GHz	25°C, 65%	AC 120 V	Benny Cao
Bandwidth	25°C, 88%	AC 120 V	Cheng Tsai
Output Power	25°C, 88%	AC 120 V	Cheng Tsai
Power Spectral Density	25°C, 88%	AC 120 V	Cheng Tsai
Antenna conducted Spurious Emission	25°C, 88%	AC 120 V	Cheng Tsai

1.4 DUTY CYCLE

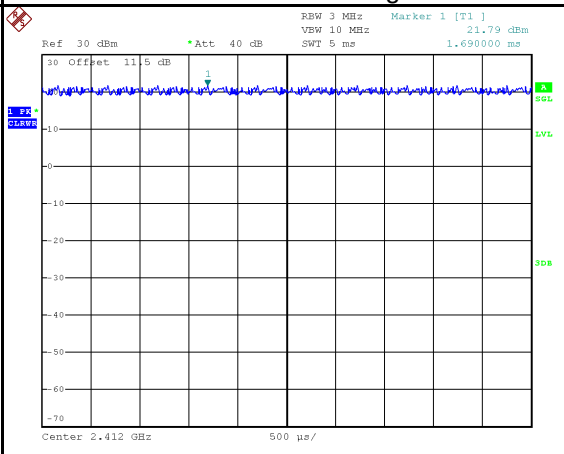
If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.

Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
IEEE 802.11b	1.380	1	1.380	1.380	100.00%	0.00
IEEE 802.11g	1.690	1	1.690	1.690	100.00%	0.00
IEEE 802.11n (HT20)	3.150	1	3.150	3.150	100.00%	0.00
IEEE 802.11n (HT40)	3.830	1	3.830	3.830	100.00%	0.00

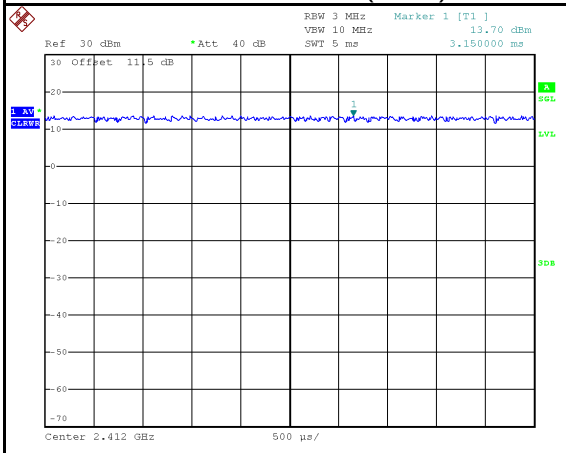
IEEE 802.11b



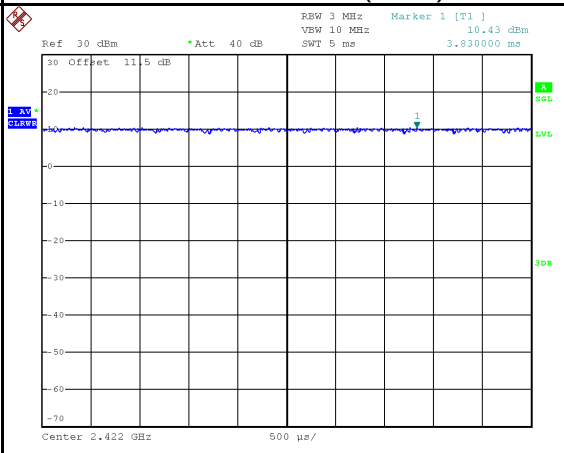
IEEE 802.11g



IEEE 802.11n (HT20)



IEEE 802.11n (HT40)



2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Battery-Powered Outdoor Security Camera
Brand Name	tp-link
Model Name	Tapo C460
Model Difference	N/A
Hardware Version	1.0
Software Version	1.X
Power Source	1# Supplied from Type-C port. 2# Supplied from Battery.
Power Rating	1# I/P: 5V ⎓ 2A 2# DC 3.6V, rated capacity: 4900 mAh, normal capacity: 5000 mAh
Operation Band	2400 MHz ~ 2483.5 MHz
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Technology	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Transfer Rate	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 150 Mbps
Output Power Max.	IEEE 802.11b: 23.22 dBm (0.2099 W)

NOTE:

(1) The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

(2) Channel List:

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

(3) Table for Filed Antenna:

Ant.	Manufacturer	P/N	Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	3101507068	Dipole	N/A	0
2	TP-Link Systems Inc.	3101507069	Dipole	N/A	0

Note: The antenna can be switched intelligently.

(4) The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2.2 TEST MODES

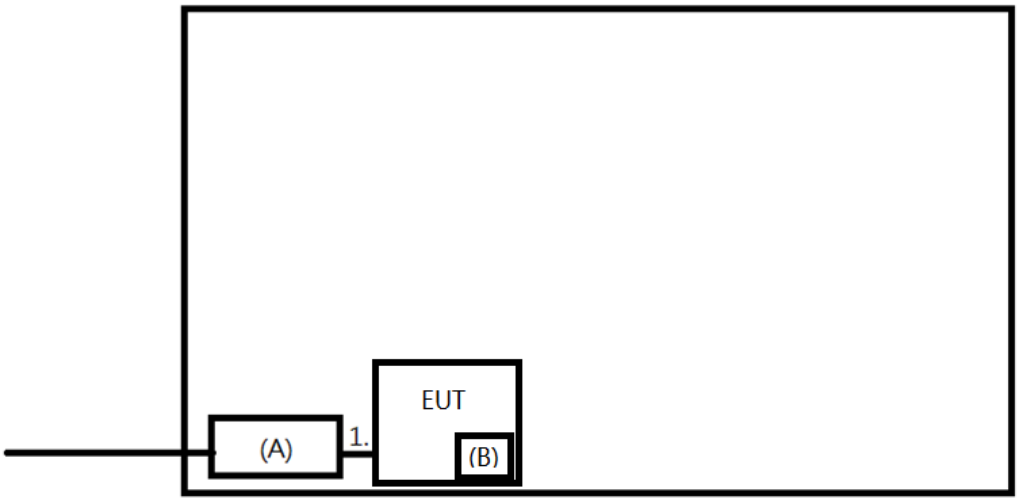
Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal/Idle	-	-
Transmitter Radiated Emissions (below 1GHz)	TX Mode_IEEE 802.11b	01	-
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11b	01/11	Bandedge
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11n (HT40)	03/09	
Transmitter Radiated Emissions (above 1GHz)	TX Mode_IEEE 802.11b	01/06/11	Harmonic
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11n (HT40)	03/06/09	
Transmitter Radiated Emissions (above 18GHz)	TX Mode_IEEE 802.11b	01	-
Bandwidth & Output Power & Power Spectral Density & Antenna conducted Spurious Emission	TX Mode_IEEE 802.11b	01/06/11	-
	TX Mode_IEEE 802.11g		
	TX Mode_IEEE 802.11n (HT20)		
	TX Mode_IEEE 802.11n (HT40)	03/06/09	

NOTE:
(1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Horizontal) is recorded.
(2) For radiated emission below 1 GHz test, the TX B Mode Channel 01 is found to be the worst case and recorded.
(3) For radiated emission Harmonic above 18GHz test, only tested the worst case and recorded.
(4) The electric field intensity signal emitted at 9 kHz kHz - 30 MHz is too weak (20 dB below the limit), so the measured value is not recorded in this report.
(5) The antenna can be switched intelligently. Both Ant. are evaluated, but only the worst case (Ant. 1) is recorded.

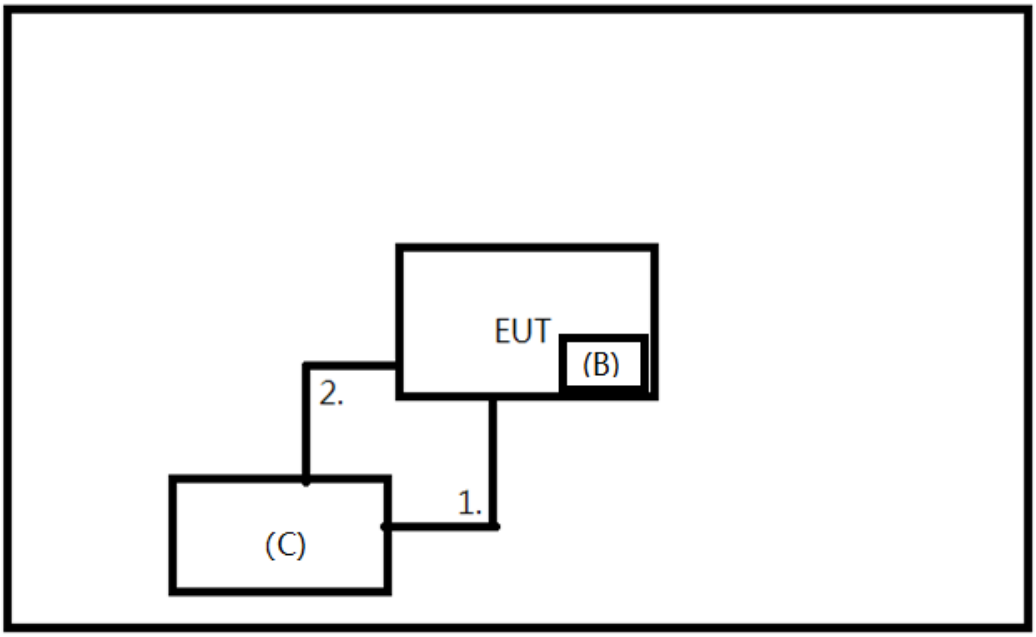
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.

AC power line conducted emissions



Transmitter Radiated Emissions



2.4 SUPPORT UNITS

AC power line conducted emissions

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Adapter	PHILIPS	DLP5320C	SLPA2151006066	Supplied by test requester.
B	SD Card	SanDisk	UHS-I	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	Type-C Cable	No	3m	No	Furnished by test lab.

Transmitter Radiated Emissions

Item	Equipment	Brand	Model No.	Series No.	Remarks
B	SD Card	SanDisk	UHS-I	N/A	Furnished by test lab.
C	Notebook	Lenovo	21L2S5C300	PW0EDPVF	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	Type-C Cable	No	3m	No	Supplied by test requester.
2	fixture	No	0.03m	No	Furnished by test lab.

3 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.50 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:
(1) The tighter limit applies at the band edges.
(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)
Margin Level = Measurement Value – Limit Value
Calculation example:

Reading Level (dBμV)		Correct Factor (dB)		Measurement Value (dBμV)
38.22	+	3.45	=	41.67

Measurement Value (dBμV)		Limit Value (dBμV)		Margin Level (dB)
41.67	-	60	=	-18.33

The following table is the setting of the receiver.

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

3.2 TEST PROCEDURE

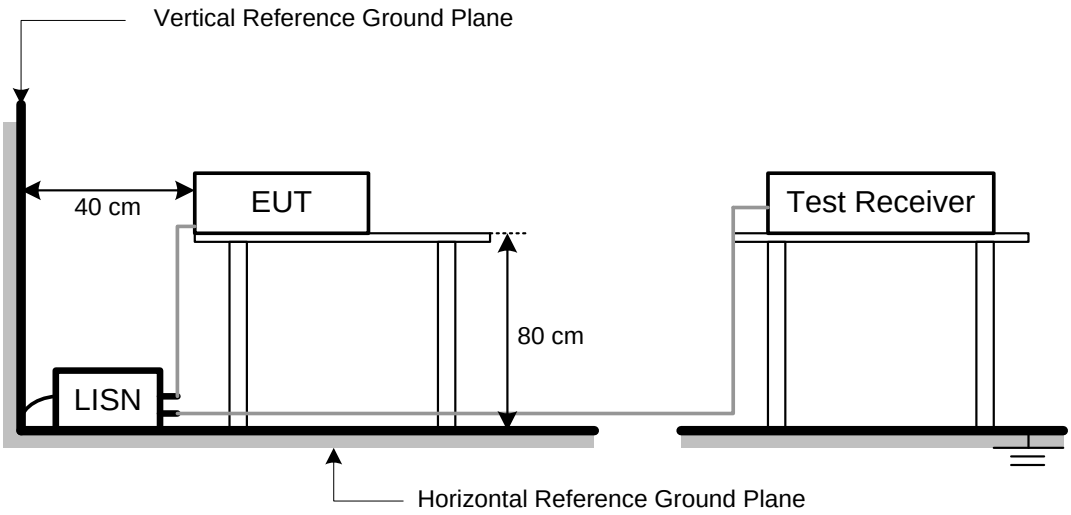
a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
All other support equipment were powered from an additional LISN(s).
The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
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 to keep the cable above 40 cm.
c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.
The end of the cable will be terminated, using the correct terminating impedance.
The overall length shall not exceed 1 m.
d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
e. For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

NOTE:
(1) In the results, each reading is marked as Peak, QP or AVG per the detector used.
BW=9 kHz (6 dB Bandwidth)
(2) All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 TEST RESULT

Please refer to the APPENDIX A.

4 RADIATED EMISSIONS TEST

4.1 LIMIT

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

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 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
960~1000	500	3

LIMITS OF RADIATED EMISSIONS MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Radiated Emissions (dBuV/m)		Measurement Distance (meters)
	Peak	Average	
Above 1000	74	54	3

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
Calculation example:

Reading Level (dBµV)		Correct Factor (dB/m)		Measurement Value (dBµV/m)
19.11	+	2.11	=	21.22

Measurement Value (dBµV/m)		Limit Value (dBµV/m)		Margin Level (dB)
21.22	-	54	=	-32.78

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

Mode	VBW(Hz)
IEEE 802.11b	1.8k
IEEE 802.11g	750
IEEE 802.11n (HT20)	300
IEEE 802.11n (HT40)	300

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

4.2 TEST PROCEDURE

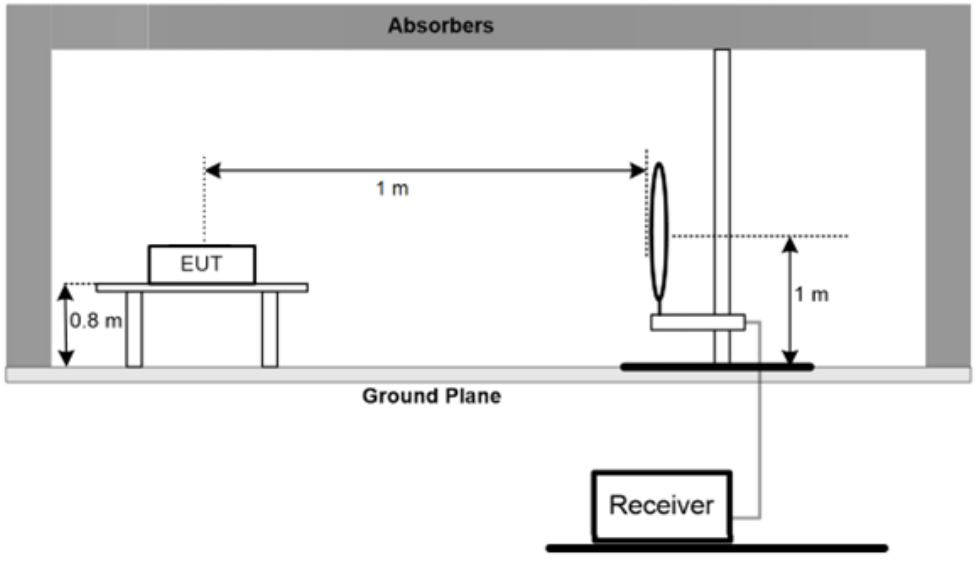
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance 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 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, 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 1GHz.
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 1GHz)
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 1GHz)
i. For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

4.3 DEVIATION FROM TEST STANDARD

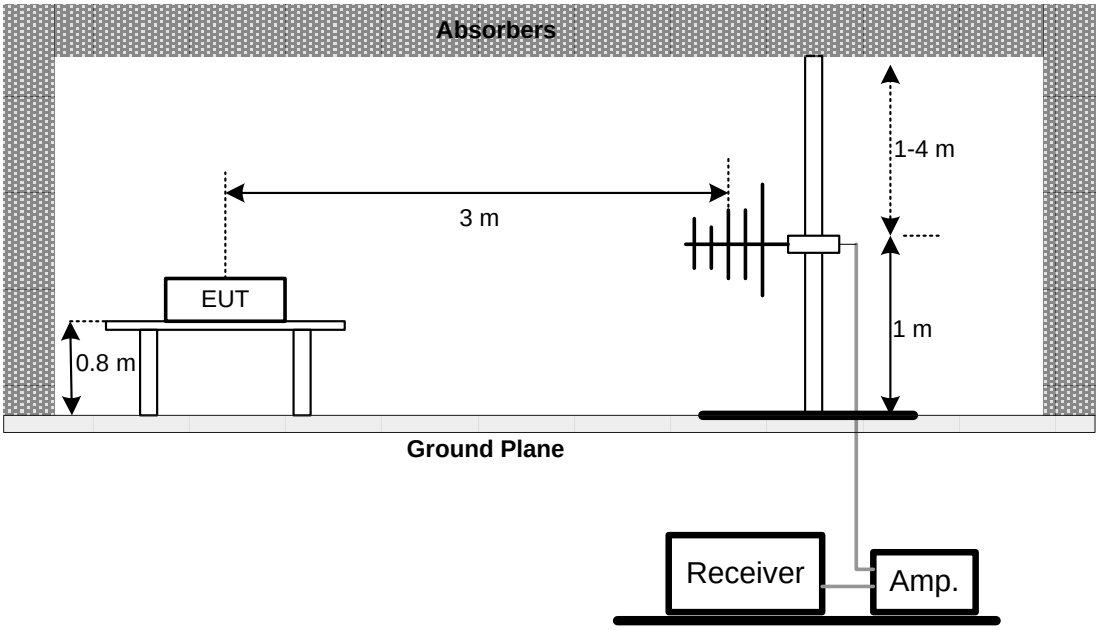
No deviation.

4.4 TEST SETUP

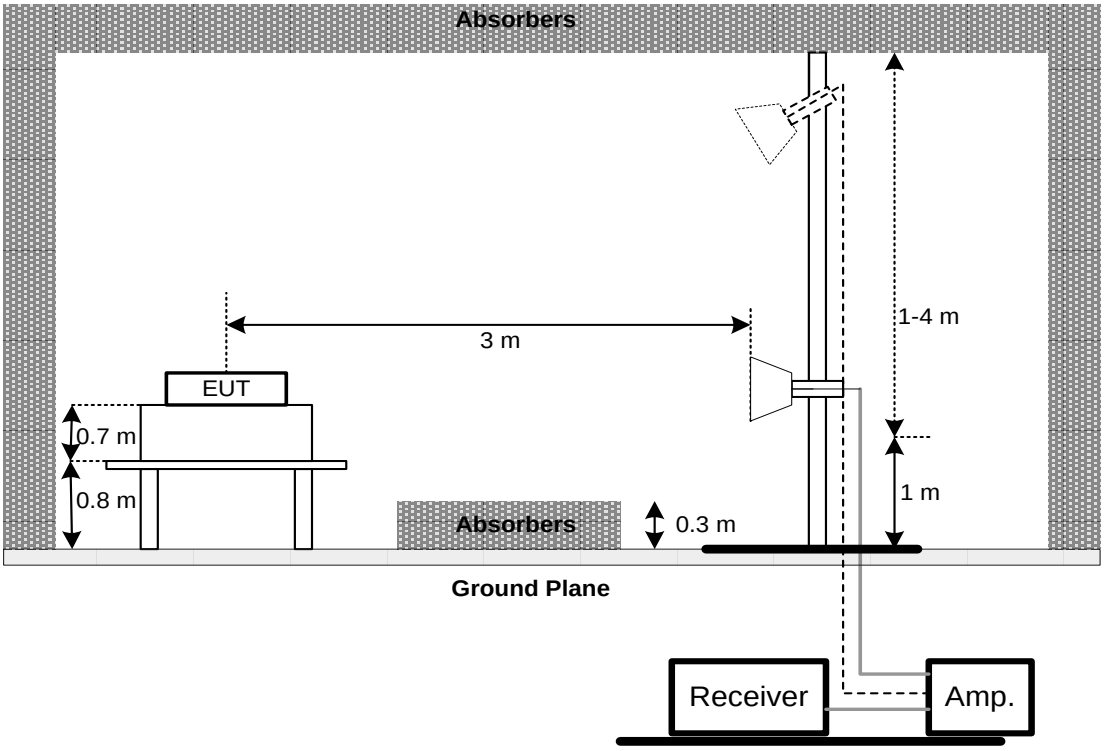
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT – 9kHz TO 30 MHz

There were no emissions found below 30 MHz within 20 dB of the limit.

4.7 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX B.

4.8 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX C.

NOTE:

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

5 BANDWIDTH TEST

5.1 LIMIT

Section	Test Item	Limit
15.247(a)	6 dB Bandwidth	500 kHz

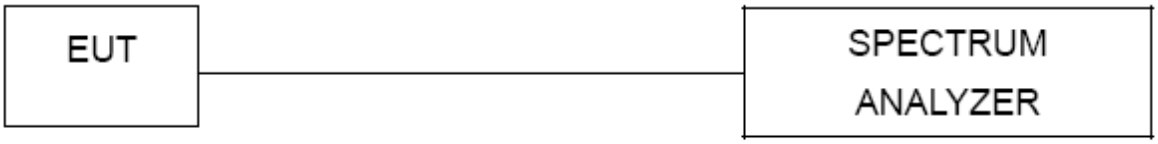
5.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.3 DEVIATION FROM TEST STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULT

Please refer to the APPENDIX D.

6 OUTPUT POWER TEST

6.1 LIMIT

Section	Test Item	Limit
15.247(b)	Maximum Output Power	1 Watt or 30dBm

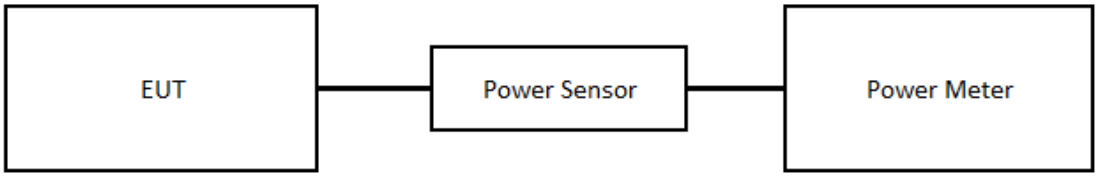
6.2 TEST PROCEDURE

a. The EUT was directly connected to the Peak Power Analyzer and antenna output port as show in the block diagram below.
b. The maximum average conducted output power was performed in accordance with FCC KDB 558074 D01 15.247 Meas Guidance.
c. Subclause 11.9.2.3.1 of ANSI C63.10 is applied. The maximum average conducted output power may be measured using a broadband peak RF power meter.
The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

6.3 DEVIATION FROM TEST STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULT

Please refer to the APPENDIX E.

7 POWER SPECTRAL DENSITY

7.1 LIMIT

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

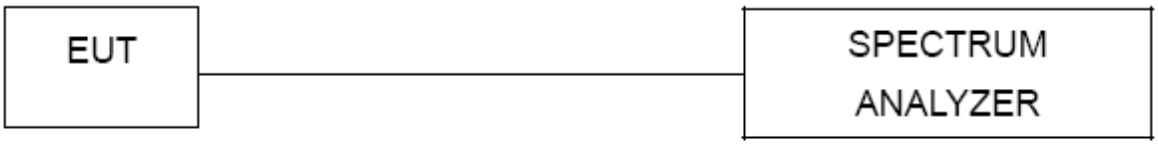
7.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. Spectrum Setting: RBW = 3 kHz, VBW = 10 kHz, Sweep time = Auto.

7.3 DEVIATION FROM TEST STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULT

Please refer to the APPENDIX F.

8 ANTENNA CONDUCTED SPURIOUS EMISSIONS TEST

8.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits.

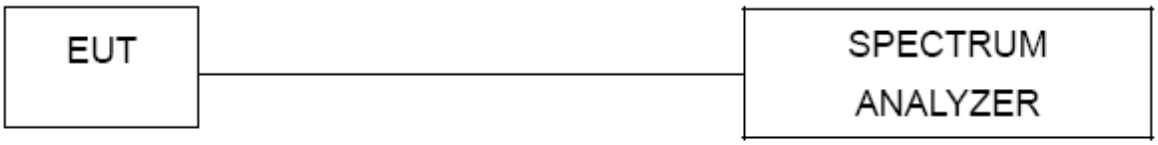
8.2 TEST PROCEDURE

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

8.3 DEVIATION FROM TEST STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULT

Please refer to the APPENDIX G.

9 LIST OF MEASURING EQUIPMENTS

AC Power Line Conducted Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Two-Line V-Network	R&S	ENV216	101051	2024/6/26	2025/6/25
2	Test Cable	EMCI	EMCRG58-BM-BM-9000	210501	2024/12/10	2025/12/9
3	EMC Receiver	Keysight	N9038A	MY54130009	2024/6/27	2025/6/26
4	Measurement Software	Farad	EZ_EMC (Ver. NB-03A1-01)	N/A	N/A	N/A

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Pre-Amplifier	EMCI	EMC184045SE	980512	2024/12/10	2025/12/9
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	340	2024/6/27	2025/6/26
3	Test Cable	EMCI	EMC102-KM-KM-1000	220328	2024/12/10	2025/12/9
4	Test Cable	EMCI	EMC101G-KM-KM-3000	220330	2024/12/10	2025/12/9
5	Broad-Band Horn Antenna	RFSPIN	DRH18-E	210109A18E	2025/1/14	2026/1/13
6	Pre-Amplifier	EMCI	EMC118A45SE	981030	2024/12/10	2025/12/9
7	Test Cable	EMCI	EMC105-SM-SM-1000	210119	2024/12/10	2025/12/9
8	Test Cable	EMCI	EMC105-SM-SM-3000	210118	2024/12/10	2025/12/9
9	Test Cable	EMCI	EMC105-SM-SM-7000	210117	2024/12/10	2025/12/9
10	EXA Spectrum Analyzer	keysight	N9020B	MY59050137	2024/11/24	2025/11/25
11	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01207	2024/12/4	2025/12/3
12	EMC Receiver	Keysight	N9038A	MY54130009	2024/6/27	2025/6/26
13	Pre-Amplifier	EMCI	EMC001330-20201222	980807	2024/12/9	2025/12/8
14	Test Cable	EMCI	EMC-8D-NM-NM-5000	150106	2024/12/9	2025/12/8
15	Test Cable	EMCI	EMC-CFD-400-NM-NM-8000	200348	2024/12/9	2025/12/8
16	Test Cable	EMCI	EMC-CFD-400-NM-NM-3300	200343	2024/12/9	2025/12/8
17	Loop Ant.	Electro-Metrics	EMCI-LPA600	274	2024/7/5	2025/7/4
18	EMC Receiver	Keysight	N9038A	MY54130009	2024/6/27	2025/6/26
19	Pre-Amplifier	EMCI	EMC001340	980555	2024/12/1	2025/11/30
20	Measurement Software	Farad	EZ_EMC (Ver. NB-03A1-01)	N/A	N/A	N/A

Bandwidth						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 30	100854	2024/6/27	2025/6/26
2	10db Attenuator	INMET	AHC-10dB	1	2024/11/26	2025/11/25
3	BTL-ConducredTest	BTL	1247788684	N/A	N/A	N/A

Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	USB Peak Power Sensor	Anritsu	MA24408A	12589	2024/10/25	2025/10/24
2	10db Attenuator	INMET	AHC-10dB	1	2024/11/26	2025/11/25
3	Measurement Software	Anritsu	MA2440A Peak Power analyzer(Ver1.1.0.0)	N/A	N/A	N/A

Power Spectral Density						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 30	100854	2024/6/27	2025/6/26
2	10db Attenuator	INMET	AHC-10dB	1	2024/11/26	2025/11/25
3	BTL-ConducredTest	BTL	1247788684	N/A	N/A	N/A

Antenna conducted Spurious Emission						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 30	100854	2024/6/27	2025/6/26
2	10db Attenuator	INMET	AHC-10dB	1	2024/11/26	2025/11/25
3	BTL-ConducredTest	BTL	1247788684	N/A	N/A	N/A

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

10 EUT TEST PHOTO

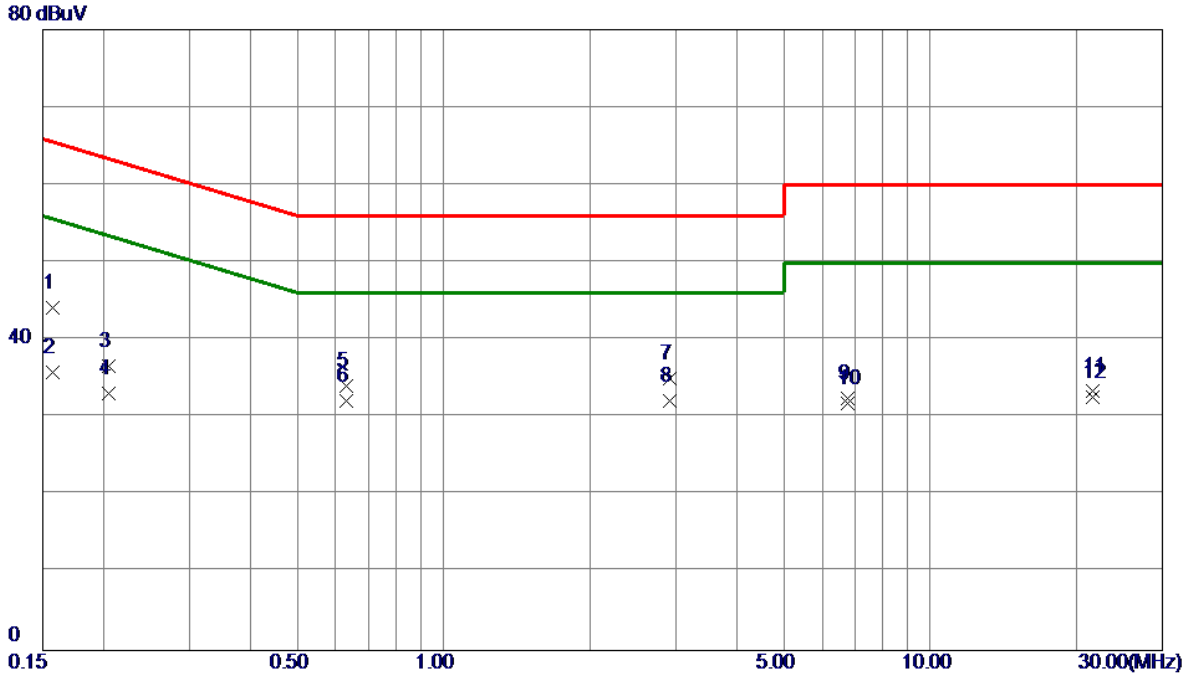
Please refer to document Appendix No.: TP-2408G079-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2408G079-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

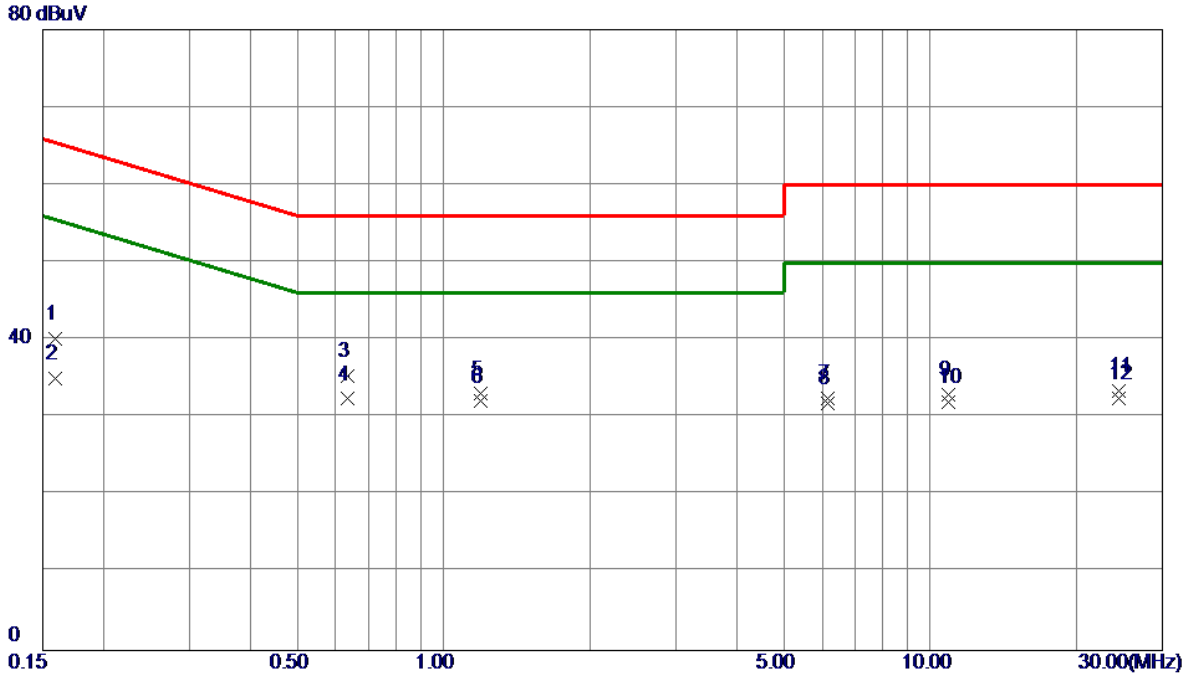
Test Mode	Normal	Tested Date	2025/2/11
Test Frequency	-	Phase	Line



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1573	34.55	9.64	44.19	65.61	-21.42	QP	
2	0.1573	26.26	9.64	35.90	55.61	-19.71	AVG	
3	0.2046	26.97	9.62	36.59	63.42	-26.83	QP	
4	0.2046	23.49	9.62	33.11	53.42	-20.31	AVG	
5	0.6305	24.42	9.61	34.03	56.00	-21.97	QP	
6 *	0.6305	22.60	9.61	32.21	46.00	-13.79	AVG	
7	2.9119	25.32	9.75	35.07	56.00	-20.93	QP	
8	2.9119	22.41	9.75	32.16	46.00	-13.84	AVG	
9	6.7750	22.60	9.88	32.48	60.00	-27.52	QP	
10	6.7750	21.92	9.88	31.80	50.00	-18.20	AVG	
11	21.6250	23.06	10.35	33.41	60.00	-26.59	QP	
12	21.6250	22.32	10.35	32.67	50.00	-17.33	AVG	

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

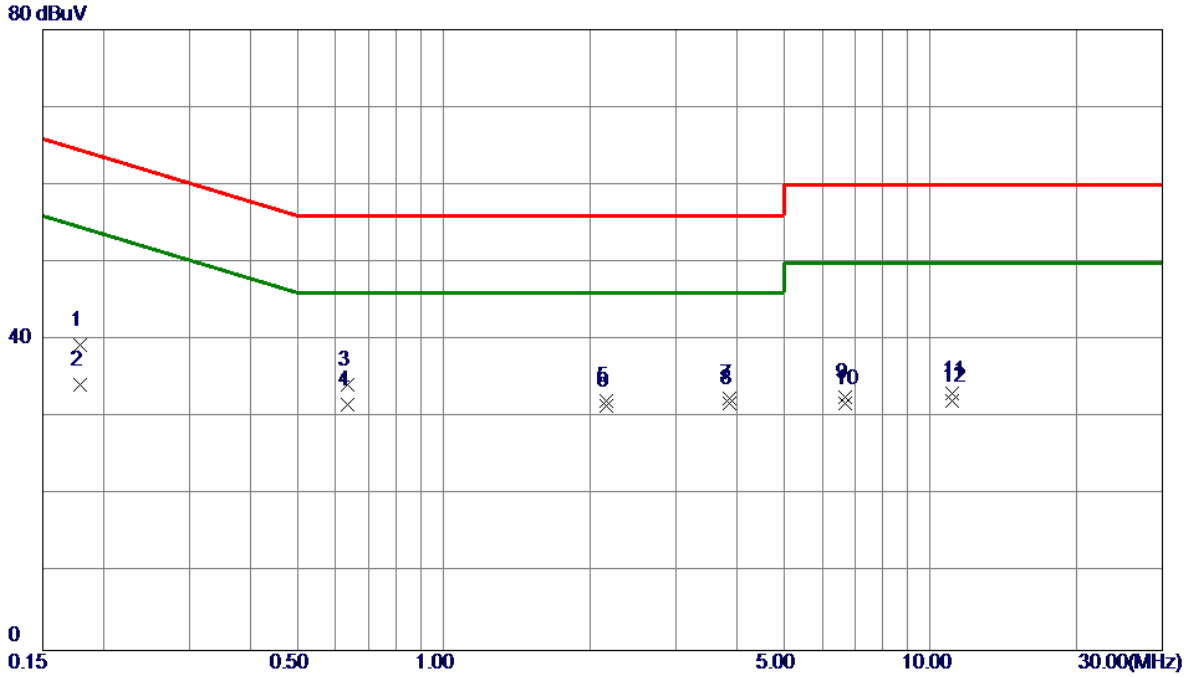
Test Mode	Normal	Tested Date	2025/2/11
Test Frequency	-	Phase	Neutral



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1594	30.53	9.64	40.17	65.50	-25.33	QP	
2	0.1594	25.42	9.64	35.06	55.50	-20.44	AVG	
3	0.6350	25.67	9.62	35.29	56.00	-20.71	QP	
4 *	0.6350	22.78	9.62	32.40	46.00	-13.60	AVG	
5	1.1885	23.40	9.64	33.04	56.00	-22.96	QP	
6	1.1885	22.44	9.64	32.08	46.00	-13.92	AVG	
7	6.1750	22.69	9.86	32.55	60.00	-27.45	QP	
8	6.1750	22.01	9.86	31.87	50.00	-18.13	AVG	
9	10.9000	23.01	10.01	33.02	60.00	-26.98	QP	
10	10.9000	22.01	10.01	32.02	50.00	-17.98	AVG	
11	24.4750	23.00	10.37	33.37	60.00	-26.63	QP	
12	24.4750	22.16	10.37	32.53	50.00	-17.47	AVG	

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

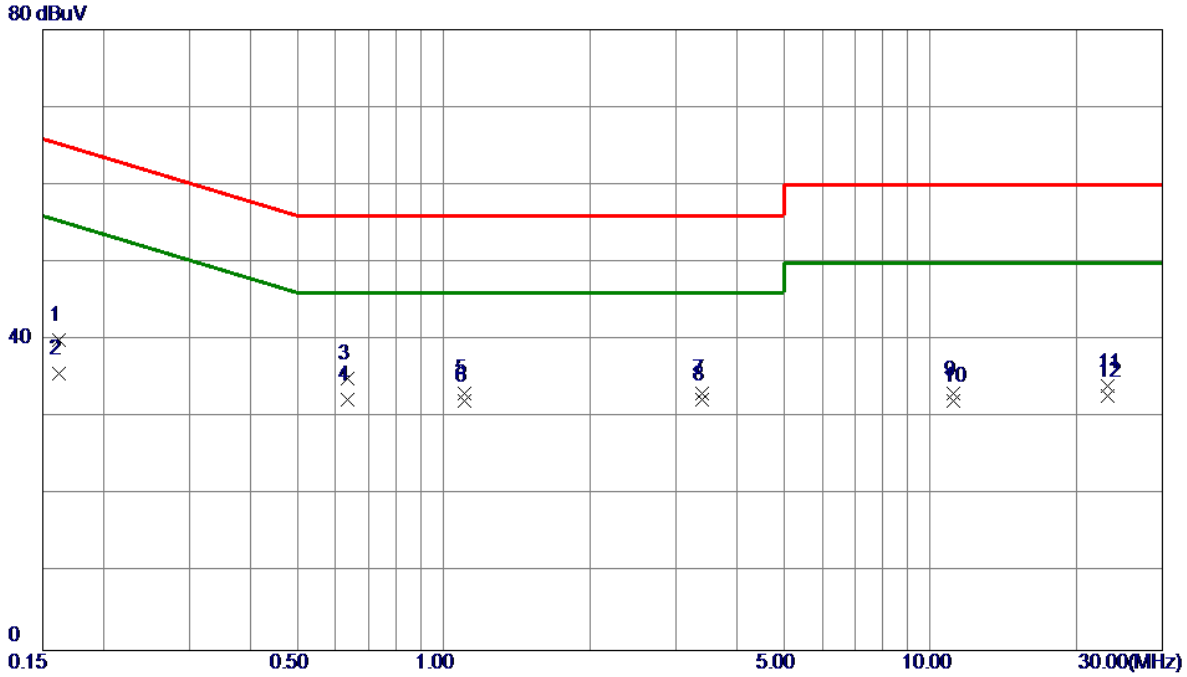
Test Mode	Idle	Tested Date	2025/2/11
Test Frequency	-	Phase	Line



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1794	29.70	9.62	39.32	64.51	-25.19	QP	
2	0.1794	24.59	9.62	34.21	54.51	-20.30	AVG	
3	0.6350	24.70	9.61	34.31	56.00	-21.69	QP	
4	0.6350	22.12	9.61	31.73	46.00	-14.27	AVG	
5	2.1560	22.45	9.73	32.18	56.00	-23.82	QP	
6	2.1560	21.75	9.73	31.48	46.00	-14.52	AVG	
7	3.8660	22.77	9.78	32.55	56.00	-23.45	QP	
8 *	3.8660	22.08	9.78	31.86	46.00	-14.14	AVG	
9	6.7000	22.69	9.88	32.57	60.00	-27.43	QP	
10	6.7000	22.01	9.88	31.89	50.00	-18.11	AVG	
11	11.1250	23.02	10.02	33.04	60.00	-26.96	QP	
12	11.1250	22.19	10.02	32.21	50.00	-17.79	AVG	

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

Test Mode	Idle	Tested Date	2025/2/11
Test Frequency	-	Phase	Neutral

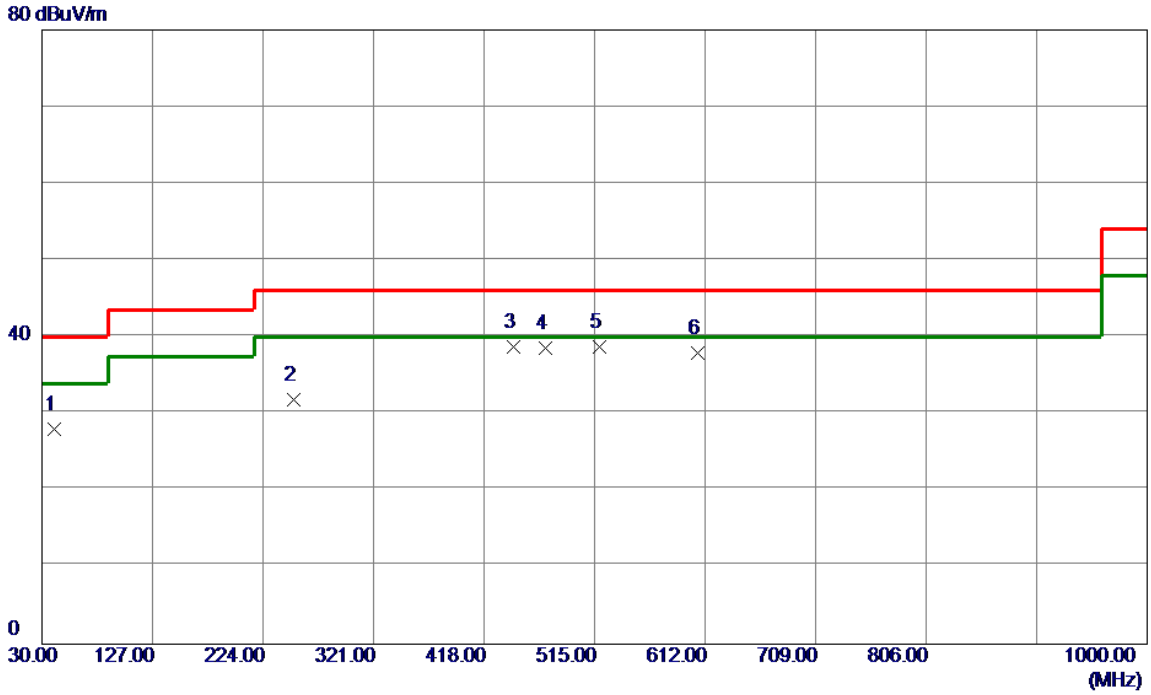


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1621	30.34	9.62	39.96	65.36	-25.40	QP	
2	0.1621	26.04	9.62	35.66	55.36	-19.70	AVG	
3	0.6350	25.42	9.61	35.03	56.00	-20.97	QP	
4 *	0.6350	22.71	9.61	32.32	46.00	-13.68	AVG	
5	1.1030	23.44	9.63	33.07	56.00	-22.93	QP	
6	1.1030	22.51	9.63	32.14	46.00	-13.86	AVG	
7	3.4070	23.42	9.77	33.19	56.00	-22.81	QP	
8	3.4070	22.50	9.77	32.27	46.00	-13.73	AVG	
9	11.1500	23.02	10.02	33.04	60.00	-26.96	QP	
10	11.1500	22.19	10.02	32.21	50.00	-17.79	AVG	
11	23.1250	23.60	10.40	34.00	60.00	-26.00	QP	
12	23.1250	22.45	10.40	32.85	50.00	-17.15	AVG	

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

APPENDIX B RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

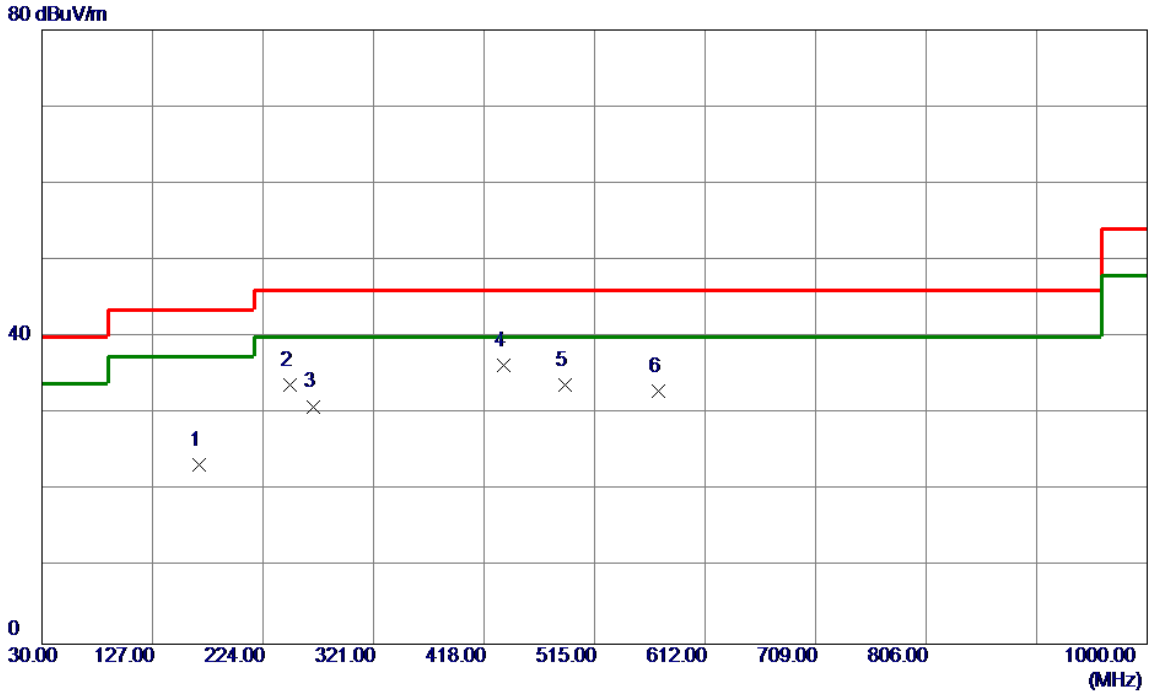
Test Mode	IEEE 802.11b	Test Date	2025/2/11
Test Frequency	2412MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	40.6699	39.89	-11.83	28.06	40.00	-11.94	Peak	
2	251.1600	43.49	-11.72	31.77	46.00	-14.23	Peak	
3	444.1900	44.50	-5.84	38.66	46.00	-7.34	Peak	
4	471.3500	43.94	-5.42	38.52	46.00	-7.48	Peak	
5 *	518.8800	43.36	-4.59	38.77	46.00	-7.23	Peak	
6	605.2100	40.07	-2.17	37.90	46.00	-8.10	Peak	

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

Test Mode	IEEE 802.11b	Test Date	2025/2/11
Test Frequency	2412MHz	Polarization	Horizontal

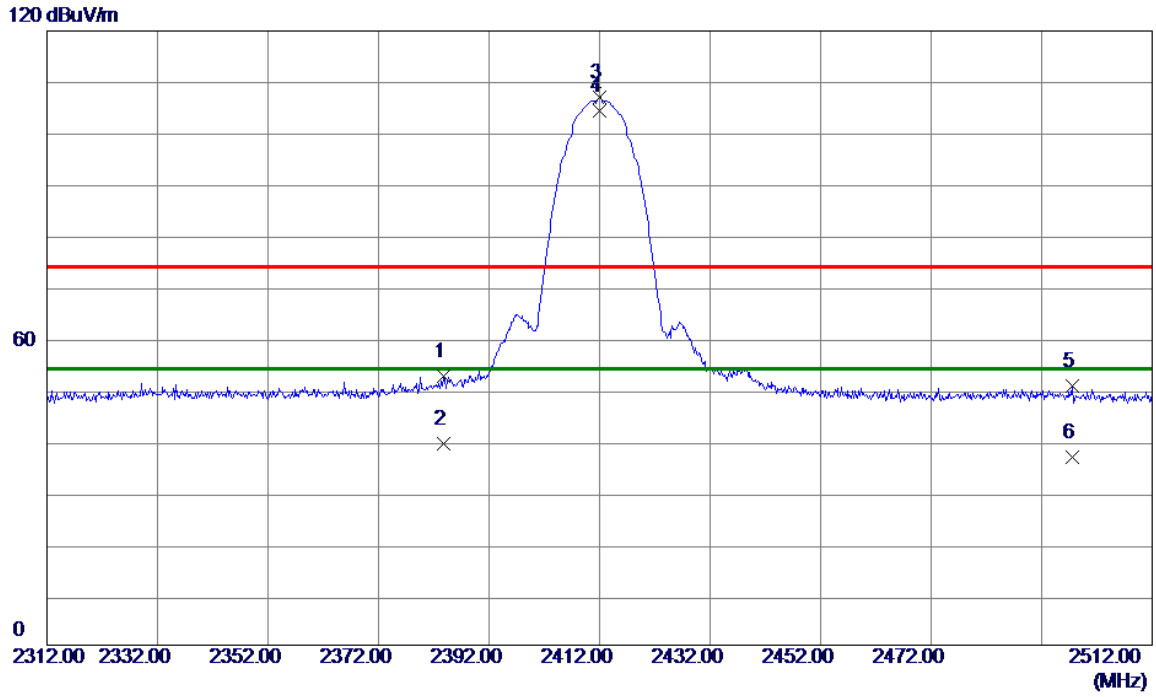


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	167.7400	34.89	-11.59	23.30	43.50	-20.20	Peak	
2	247.2800	45.67	-11.87	33.80	46.00	-12.20	Peak	
3	268.6200	41.94	-10.98	30.96	46.00	-15.04	Peak	
4 *	435.4600	42.32	-6.05	36.27	46.00	-9.73	Peak	
5	488.8100	38.96	-5.13	33.83	46.00	-12.17	Peak	
6	571.2600	36.15	-3.26	32.89	46.00	-13.11	Peak	

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

APPENDIX C RADIATED EMISSIONS - ABOVE 1 GHZ

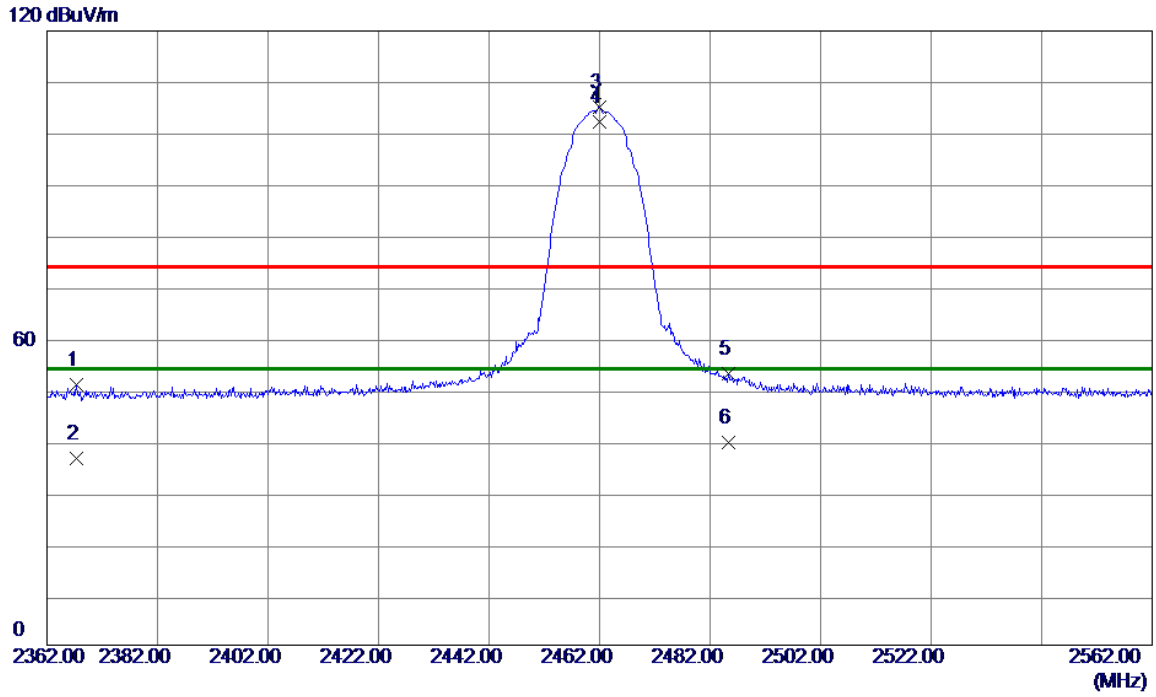
Test Mode	IEEE 802.11b	Test Date	2025/2/12
Test Frequency	2412MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2383.8000	47.24	5.23	52.47	74.00	-21.53	Peak	
2	2383.8000	34.18	5.23	39.41	54.00	-14.59	AVG	
3	2412.0000	101.78	5.28	107.06	74.00	33.06	Peak	No Limit
4 *	2412.0000	99.03	5.28	104.31	54.00	50.31	AVG	No Limit
5	2497.6000	45.12	5.44	50.56	74.00	-23.44	Peak	
6	2497.6000	31.23	5.44	36.67	54.00	-17.33	AVG	

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

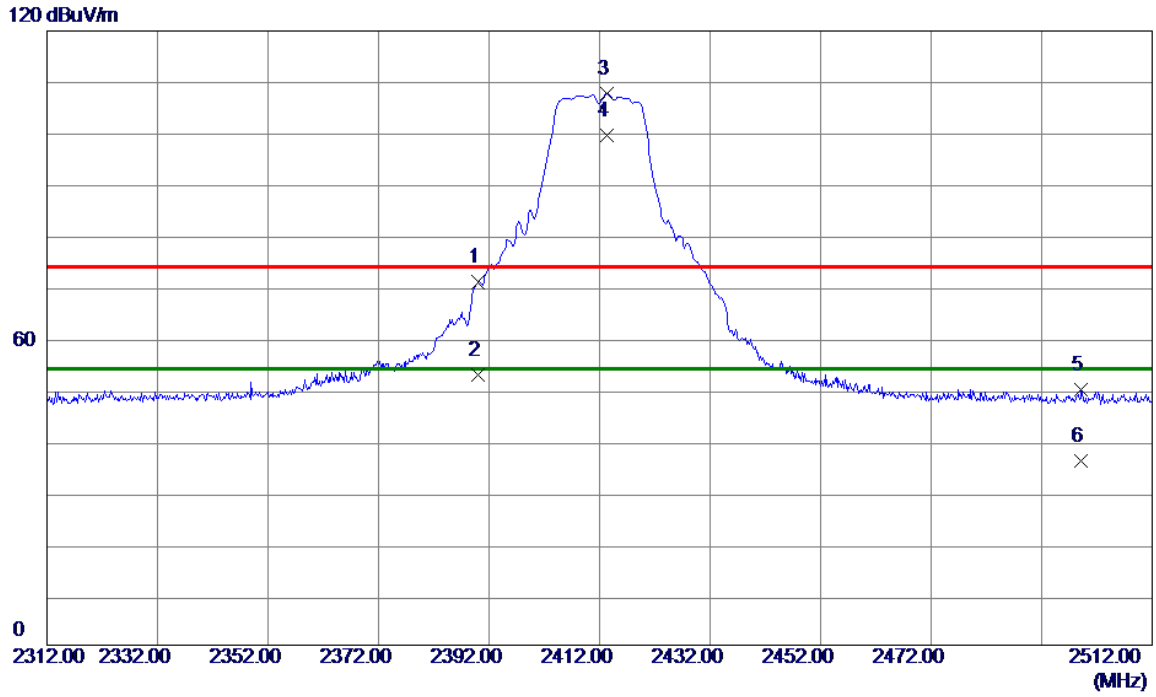
Test Mode	IEEE 802.11b	Test Date	2025/2/12
Test Frequency	2462MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2367.4000	45.70	5.20	50.90	74.00	-23.10	Peak	
2	2367.4000	31.35	5.20	36.55	54.00	-17.45	AVG	
3	2462.0000	99.73	5.37	105.10	74.00	31.10	Peak	No Limit
4 *	2462.0000	96.91	5.37	102.28	54.00	48.28	AVG	No Limit
5	2485.4000	47.60	5.41	53.01	74.00	-20.99	Peak	
6	2485.4000	34.27	5.41	39.68	54.00	-14.32	AVG	

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

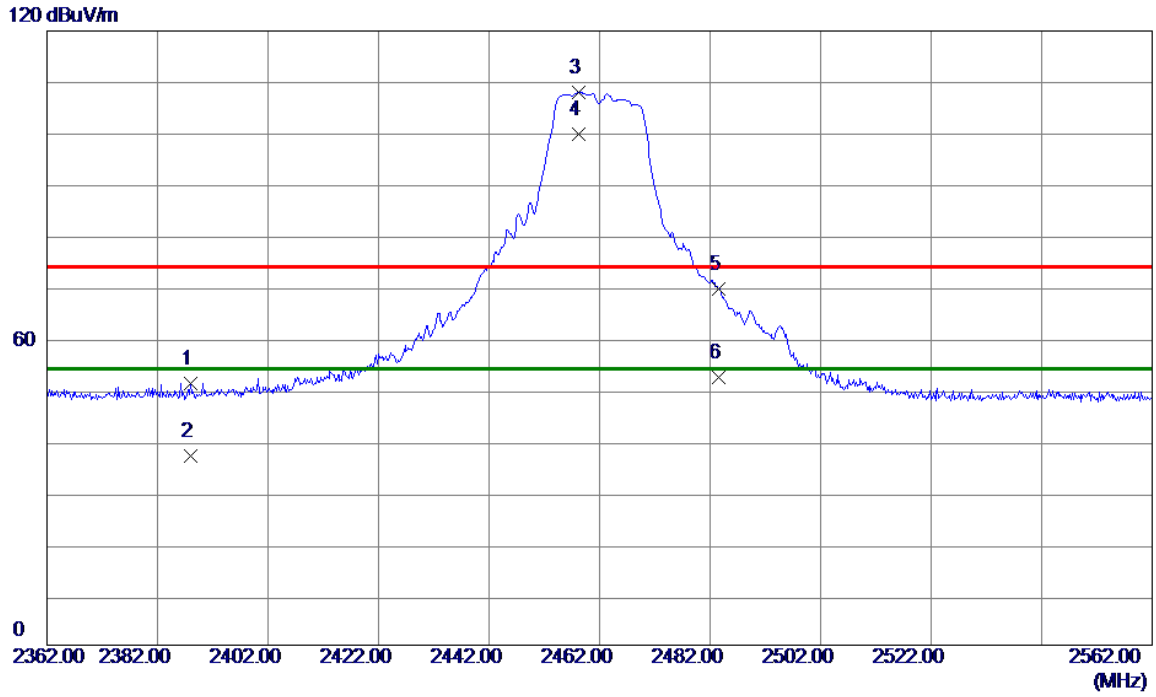
Test Mode	IEEE 802.11g	Test Date	2025/2/11
Test Frequency	2412MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	65.68	5.24	70.92	74.00	-3.08	Peak	
2	2390.0000	47.66	5.24	52.90	54.00	-1.10	AVG	
3	2413.4000	102.43	5.28	107.71	74.00	33.71	Peak	No Limit
4 *	2413.4000	94.36	5.28	99.64	54.00	45.64	AVG	No Limit
5	2499.2000	44.41	5.44	49.85	74.00	-24.15	Peak	
6	2499.2000	30.46	5.44	35.90	54.00	-18.10	AVG	

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

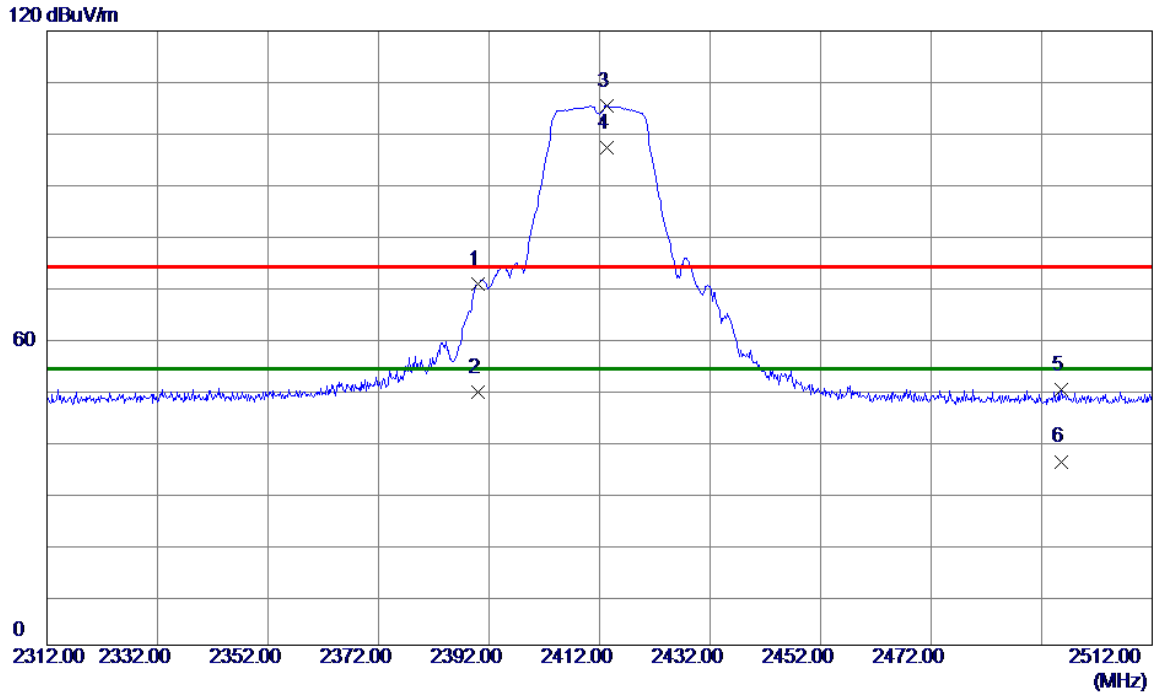
Test Mode	IEEE 802.11g	Test Date	2025/2/11
Test Frequency	2462MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.0000	45.90	5.24	51.14	74.00	-22.86	Peak	
2	2388.0000	31.82	5.24	37.06	54.00	-16.94	AVG	
3	2458.2000	102.60	5.36	107.96	74.00	33.96	Peak	No Limit
4 *	2458.2000	94.57	5.36	99.93	54.00	45.93	AVG	No Limit
5	2483.6000	64.28	5.41	69.69	74.00	-4.31	Peak	
6	2483.6000	46.90	5.41	52.31	54.00	-1.69	AVG	

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

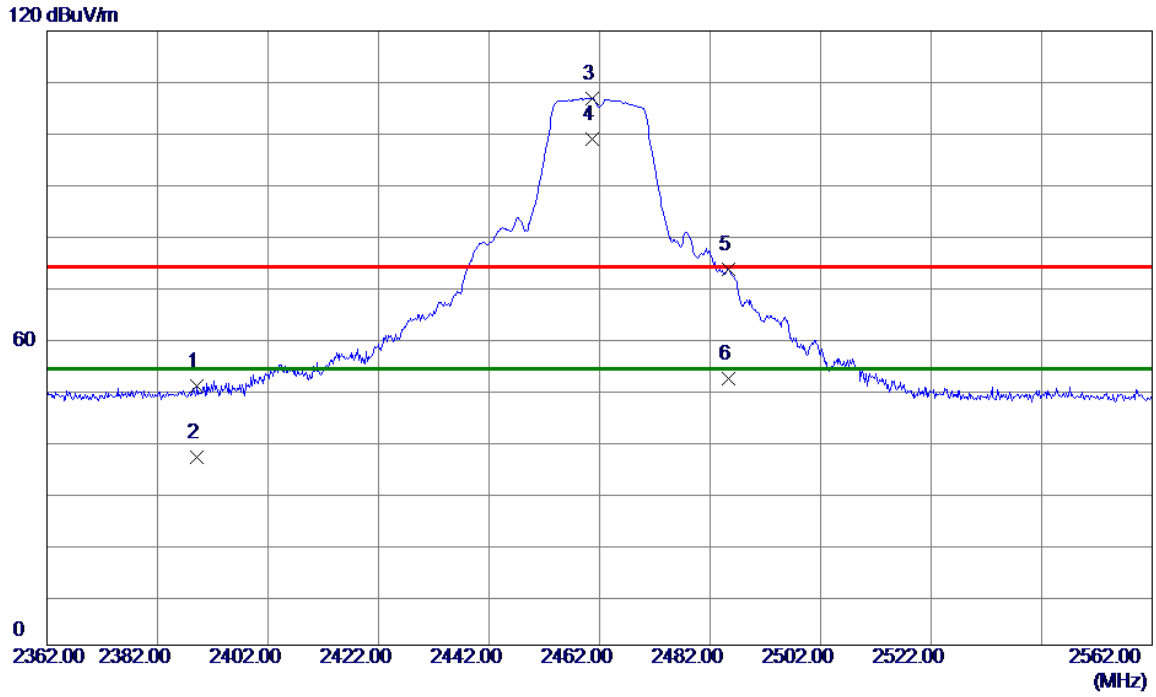
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/2/11
Test Frequency	2412MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	65.37	5.24	70.61	74.00	-3.39	Peak	
2	2390.0000	44.25	5.24	49.49	54.00	-4.51	AVG	
3	2413.4000	100.08	5.28	105.36	74.00	31.36	Peak	No Limit
4 *	2413.4000	91.97	5.28	97.25	54.00	43.25	AVG	No Limit
5	2495.6000	44.41	5.43	49.84	74.00	-24.16	Peak	
6	2495.6000	30.45	5.43	35.88	54.00	-18.12	AVG	

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

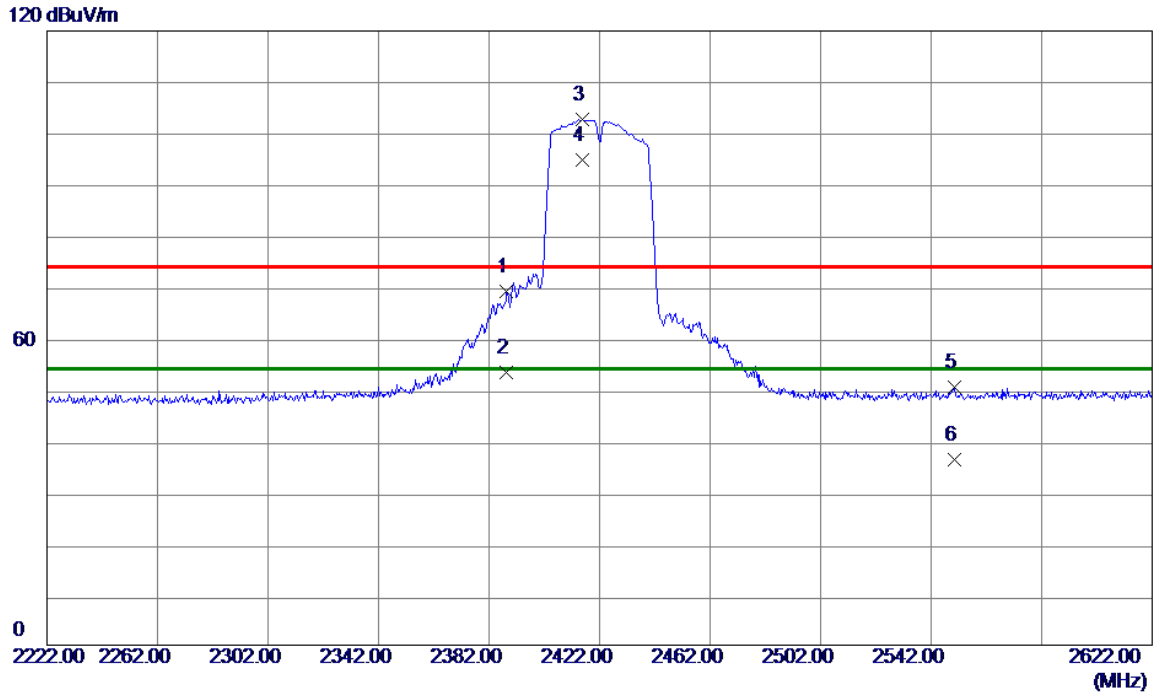
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/2/11
Test Frequency	2462MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.2000	45.41	5.24	50.65	74.00	-23.35	Peak	
2	2389.2000	31.45	5.24	36.69	54.00	-17.31	AVG	
3	2460.6000	101.49	5.37	106.86	74.00	32.86	Peak	No Limit
4 *	2460.6000	93.43	5.37	98.80	54.00	44.80	AVG	No Limit
5	2485.4000	68.09	5.41	73.50	74.00	-0.50	Peak	
6	2485.4000	46.72	5.41	52.13	54.00	-1.87	AVG	

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

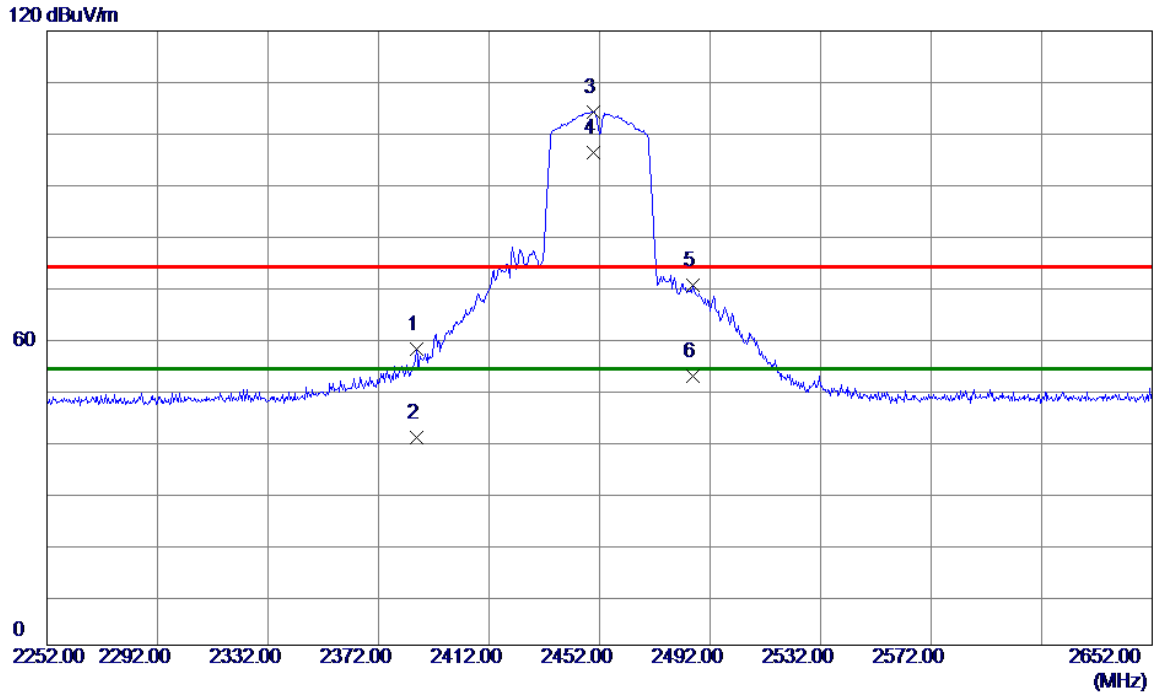
Test Mode	IEEE 802.11n (HT40)	Test Date	2025/2/11
Test Frequency	2422MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.4000	63.79	5.24	69.03	74.00	-4.97	Peak	
2	2388.4000	48.03	5.24	53.27	54.00	-0.73	AVG	
3	2415.6000	97.46	5.29	102.75	74.00	28.75	Peak	No Limit
4 *	2415.6000	89.45	5.29	94.74	54.00	40.74	AVG	No Limit
5	2550.4000	44.75	5.65	50.40	74.00	-23.60	Peak	
6	2550.4000	30.52	5.65	36.17	54.00	-17.83	AVG	

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

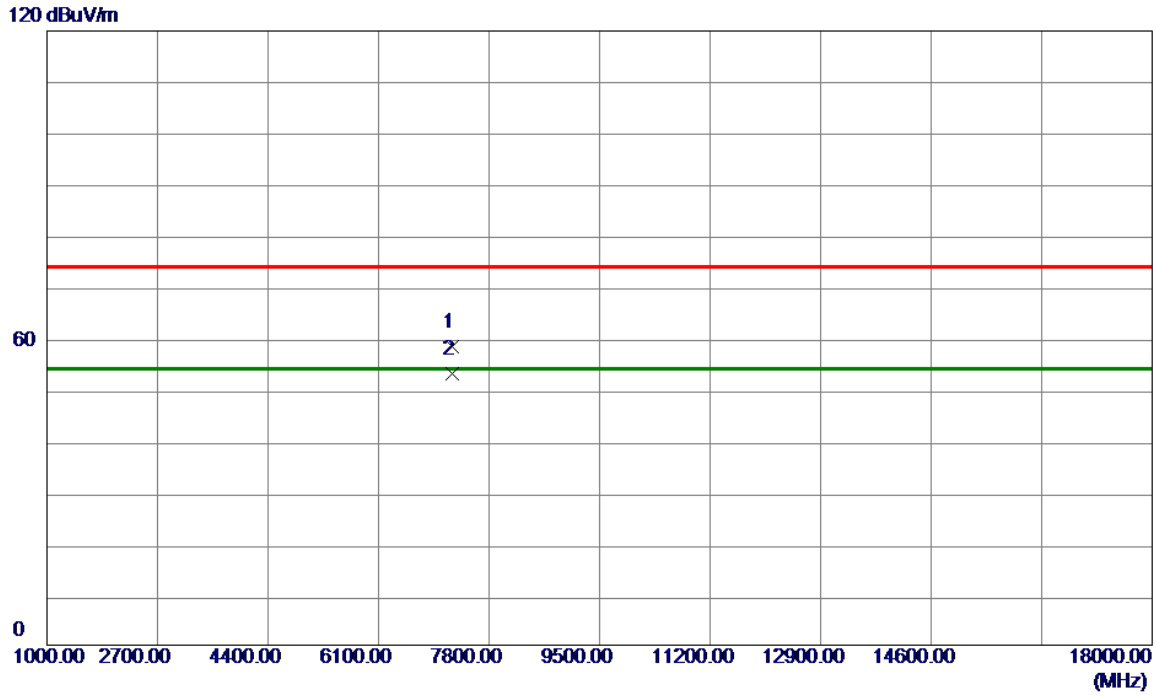
Test Mode	IEEE 802.11n (HT40)	Test Date	2025/2/11
Test Frequency	2452MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2385.6000	52.65	5.23	57.88	74.00	-16.12	Peak	
2	2385.6000	35.22	5.23	40.45	54.00	-13.55	AVG	
3	2449.6000	98.86	5.35	104.21	74.00	30.21	Peak	No Limit
4 *	2449.6000	90.81	5.35	96.16	54.00	42.16	AVG	No Limit
5	2485.6000	64.83	5.41	70.24	74.00	-3.76	Peak	
6	2485.6000	47.14	5.41	52.55	54.00	-1.45	AVG	

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

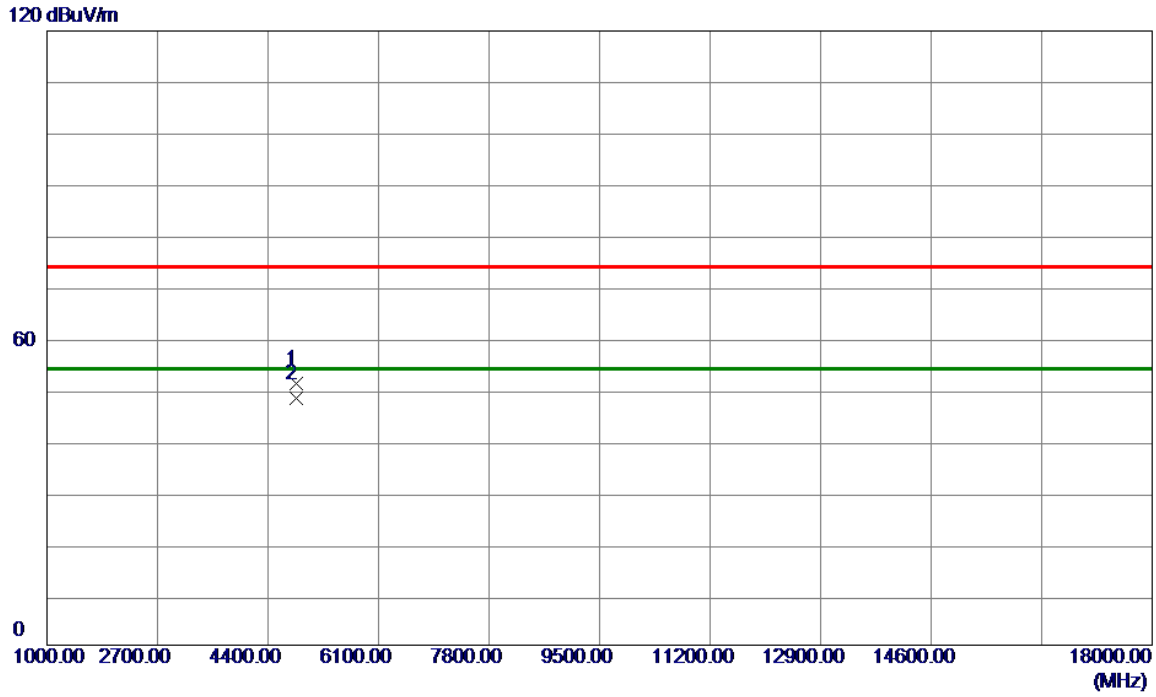
Test Mode	IEEE 802.11b	Test Date	2025/2/11
Test Frequency	2412MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7239.0000	51.92	6.40	58.32	74.00	-15.68	Peak	
2 *	7239.0000	46.74	6.40	53.14	54.00	-0.86	AVG	

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

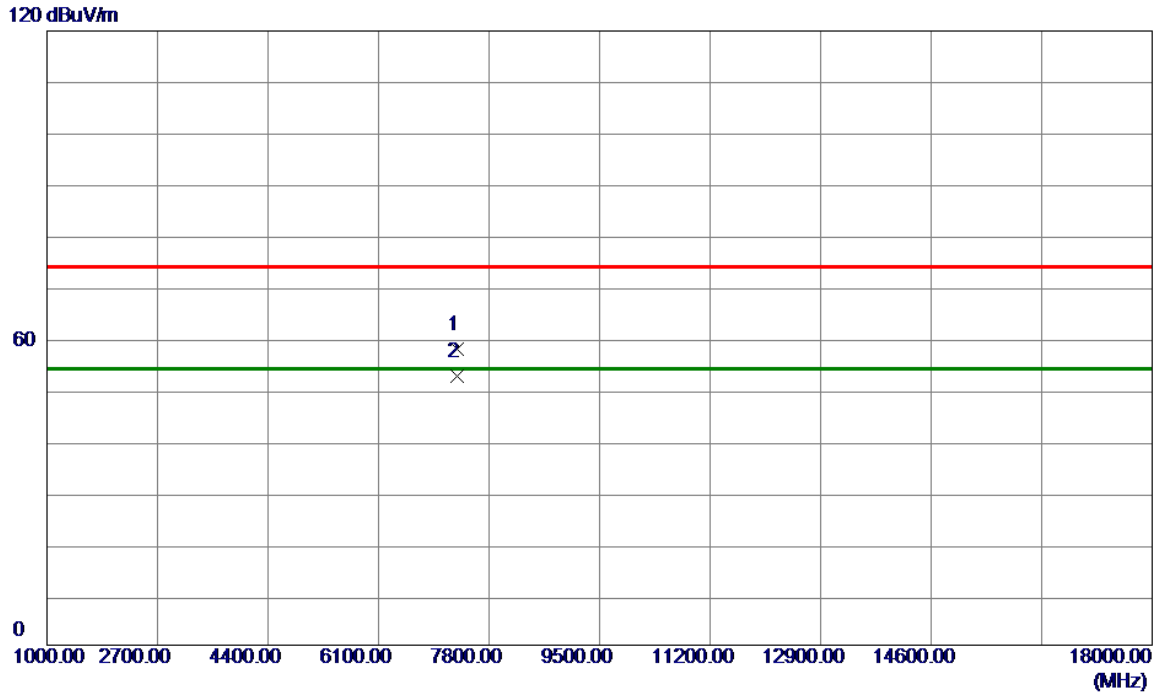
Test Mode	IEEE 802.11b	Test Date	2025/2/11
Test Frequency	2412MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4825.0000	49.33	1.79	51.12	74.00	-22.88	Peak	
2 *	4825.0000	46.47	1.79	48.26	54.00	-5.74	AVG	

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

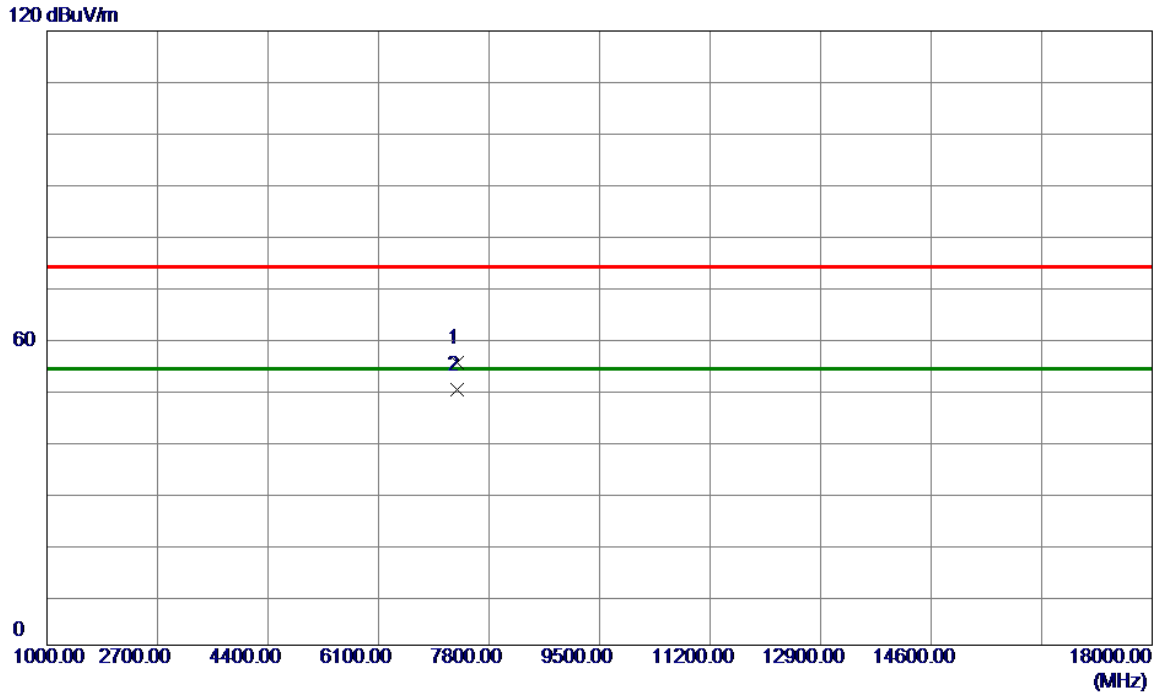
Test Mode	IEEE 802.11b	Test Date	2025/2/11
Test Frequency	2437MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7307.0000	51.34	6.41	57.75	74.00	-16.25	Peak	
2 *	7307.0000	46.22	6.41	52.63	54.00	-1.37	AVG	

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

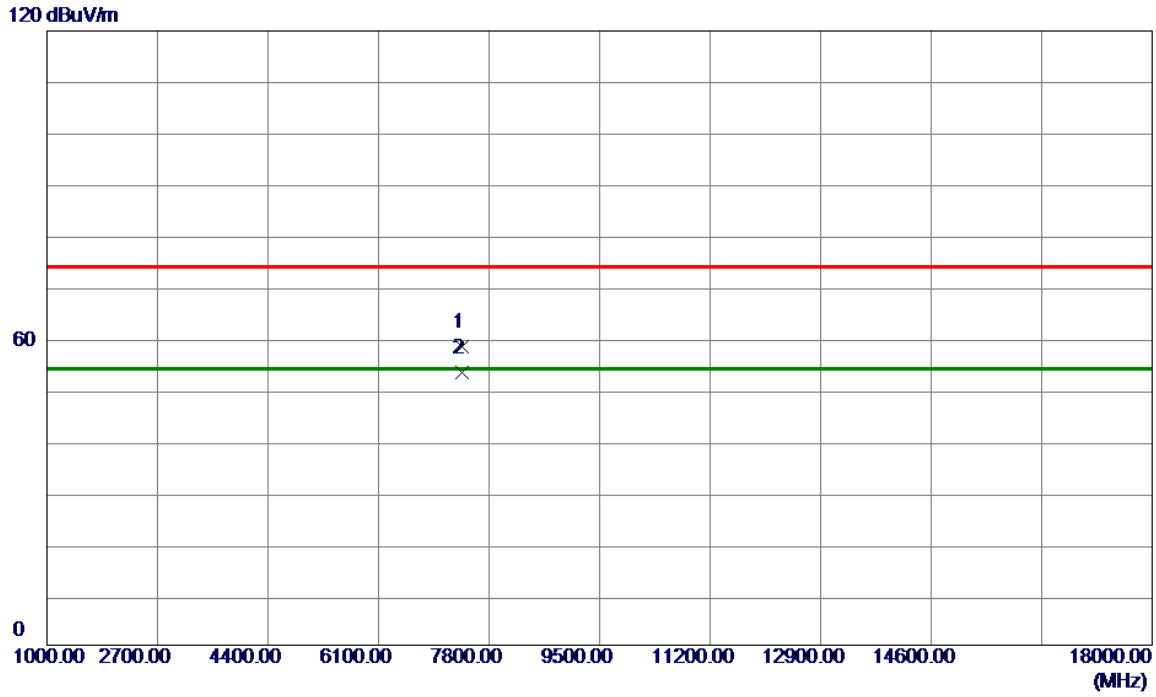
Test Mode	IEEE 802.11b	Test Date	2025/2/11
Test Frequency	2437MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7307.0000	48.88	6.41	55.29	74.00	-18.71	Peak	
2 *	7307.0000	43.50	6.41	49.91	54.00	-4.09	AVG	

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

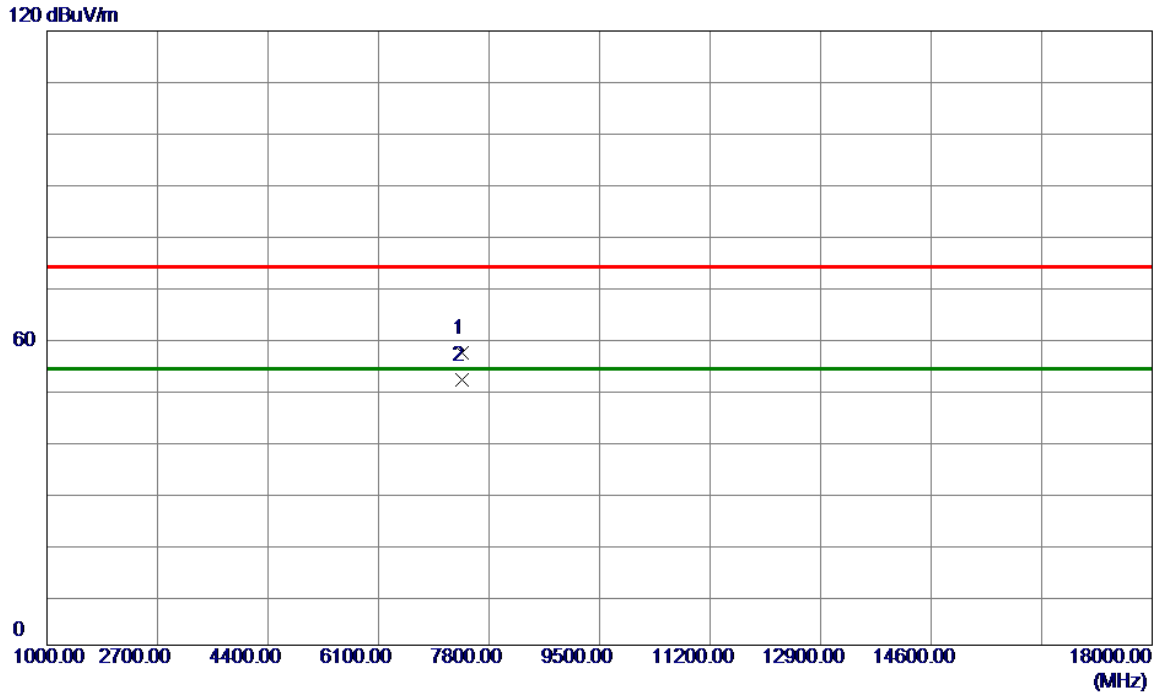
Test Mode	IEEE 802.11b	Test Date	2025/2/11
Test Frequency	2462MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7392.0000	51.87	6.42	58.29	74.00	-15.71	Peak	
2 *	7392.0000	46.92	6.42	53.34	54.00	-0.66	AVG	

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

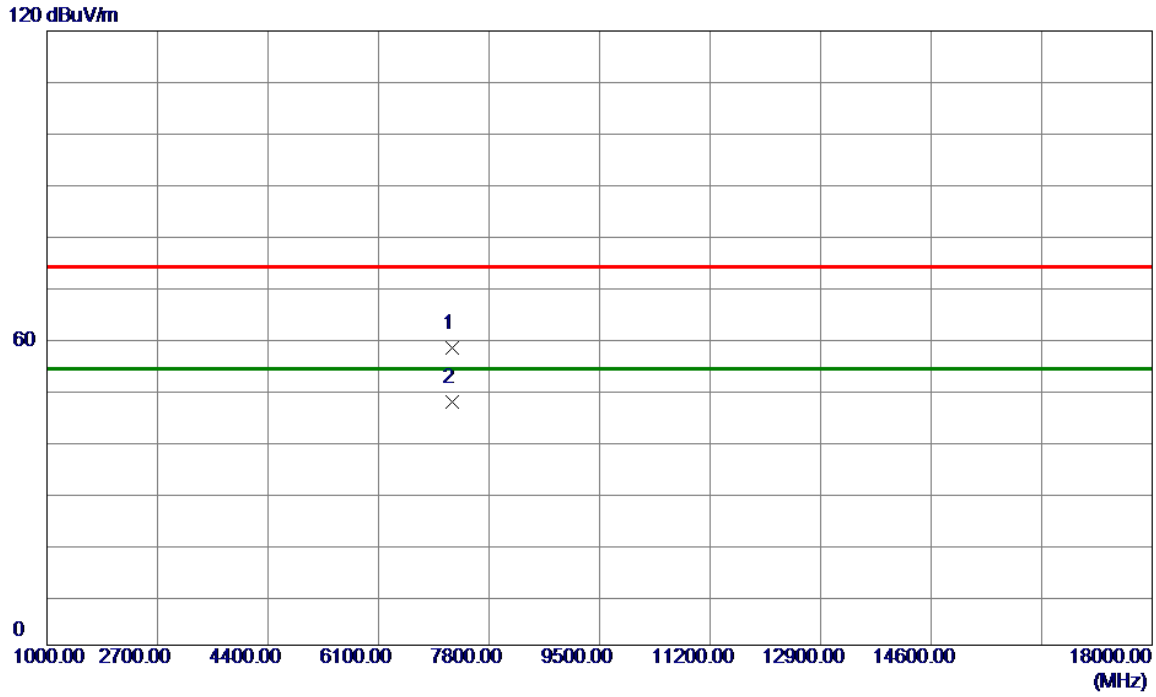
Test Mode	IEEE 802.11b	Test Date	2025/2/11
Test Frequency	2462MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7392.0000	50.77	6.42	57.19	74.00	-16.81	Peak	
2 *	7392.0000	45.46	6.42	51.88	54.00	-2.12	AVG	

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

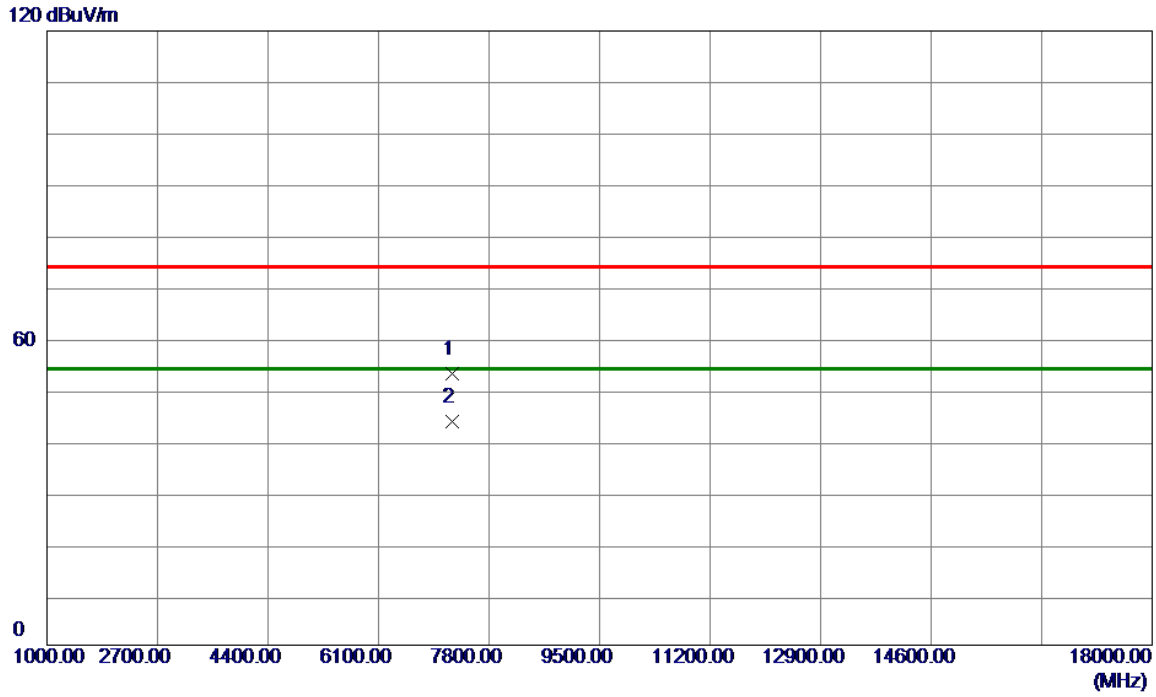
Test Mode	IEEE 802.11g	Test Date	2025/2/12
Test Frequency	2412MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7236.0000	51.77	6.40	58.17	74.00	-15.83	Peak	
2 *	7236.0000	41.01	6.40	47.41	54.00	-6.59	AVG	

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

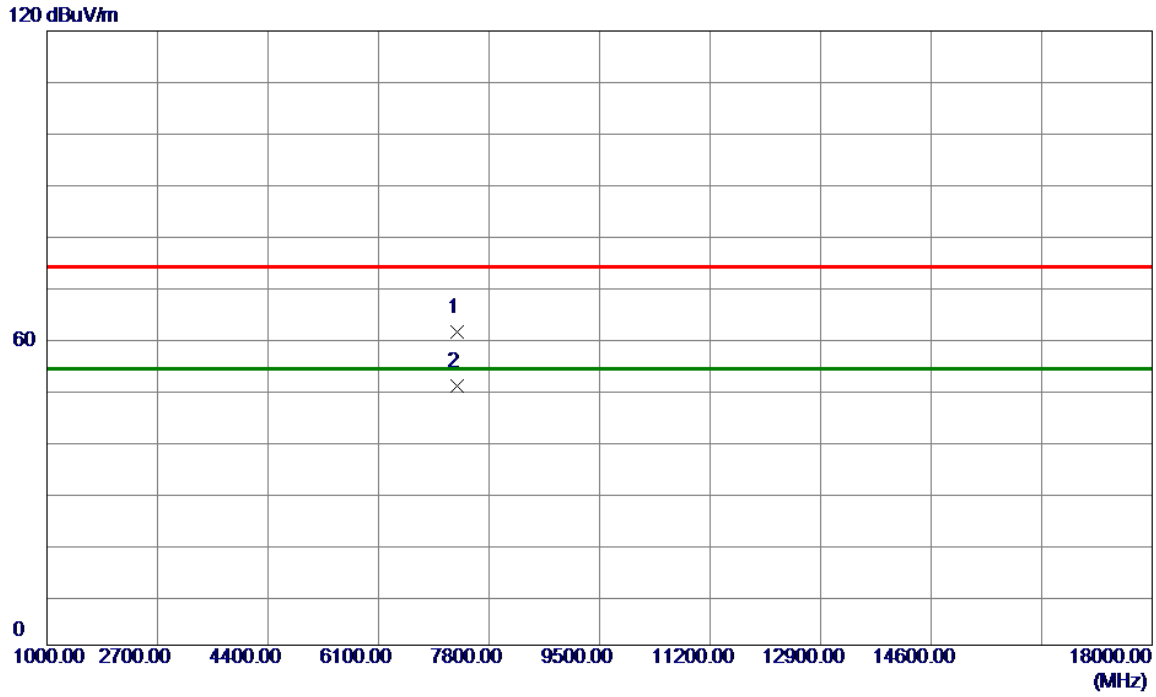
Test Mode	IEEE 802.11g	Test Date	2025/2/12
Test Frequency	2412MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7236.0000	46.65	6.40	53.05	74.00	-20.95	Peak	
2 *	7236.0000	37.31	6.40	43.71	54.00	-10.29	AVG	

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

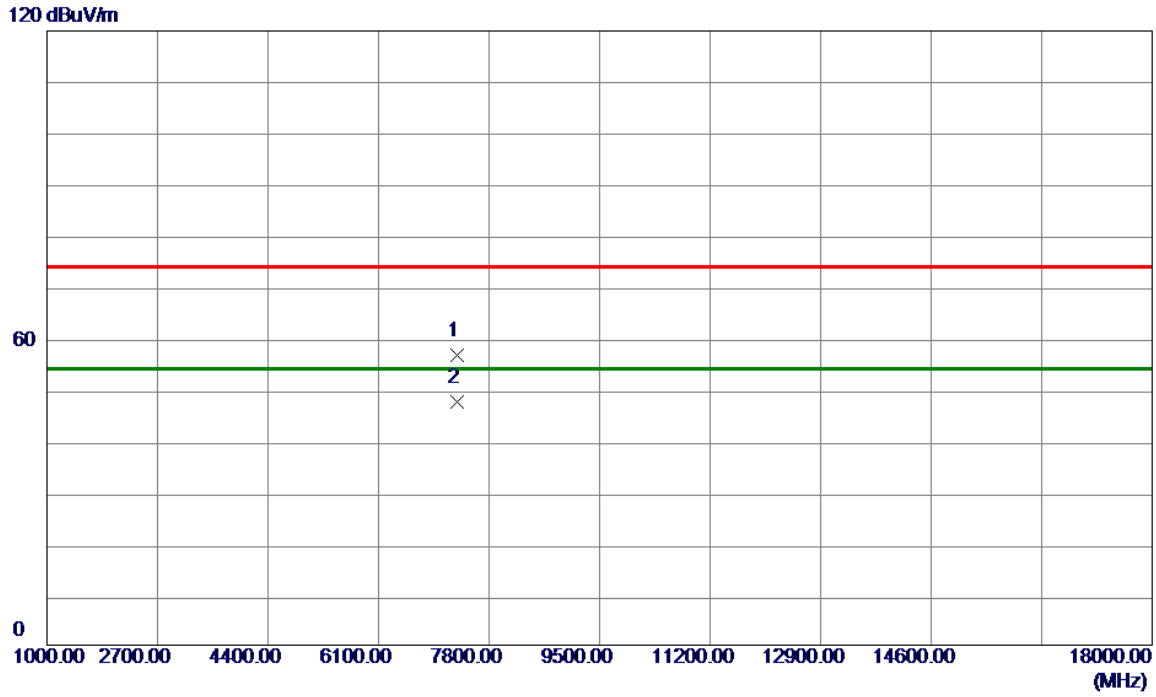
Test Mode	IEEE 802.11g	Test Date	2025/2/12
Test Frequency	2437MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7311.0000	54.72	6.41	61.13	74.00	-12.87	Peak	
2 *	7311.0000	44.30	6.41	50.71	54.00	-3.29	AVG	

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

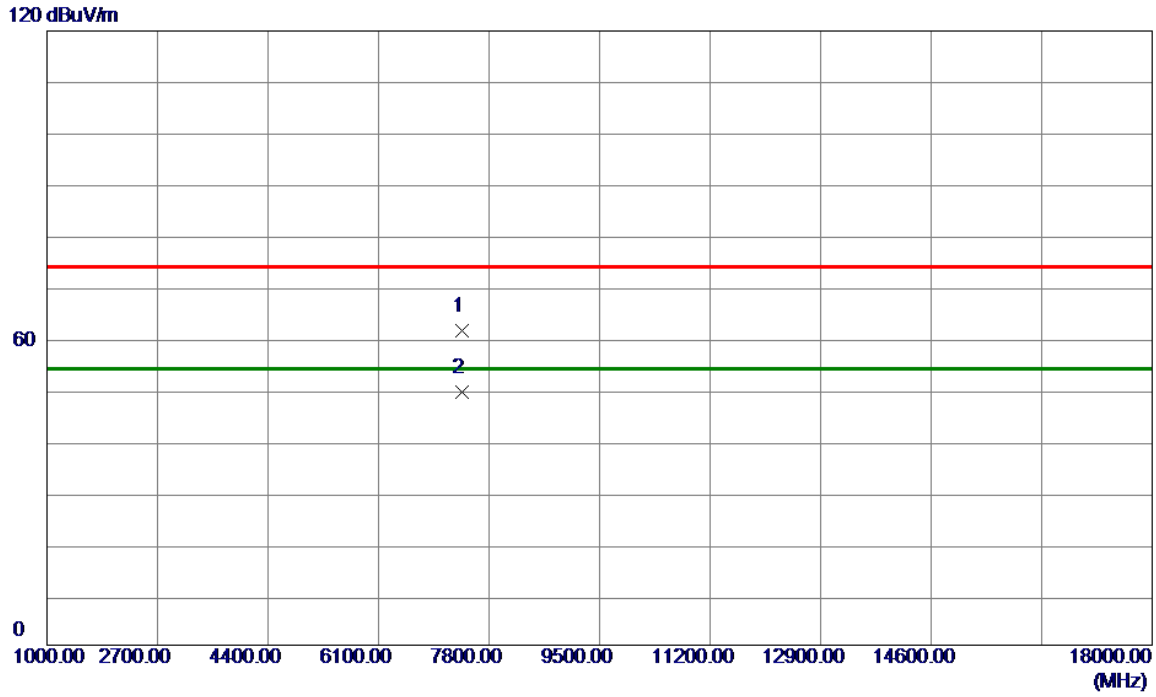
Test Mode	IEEE 802.11g	Test Date	2025/2/12
Test Frequency	2437MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7311.0000	50.20	6.41	56.61	74.00	-17.39	Peak	
2 *	7311.0000	41.17	6.41	47.58	54.00	-6.42	AVG	

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

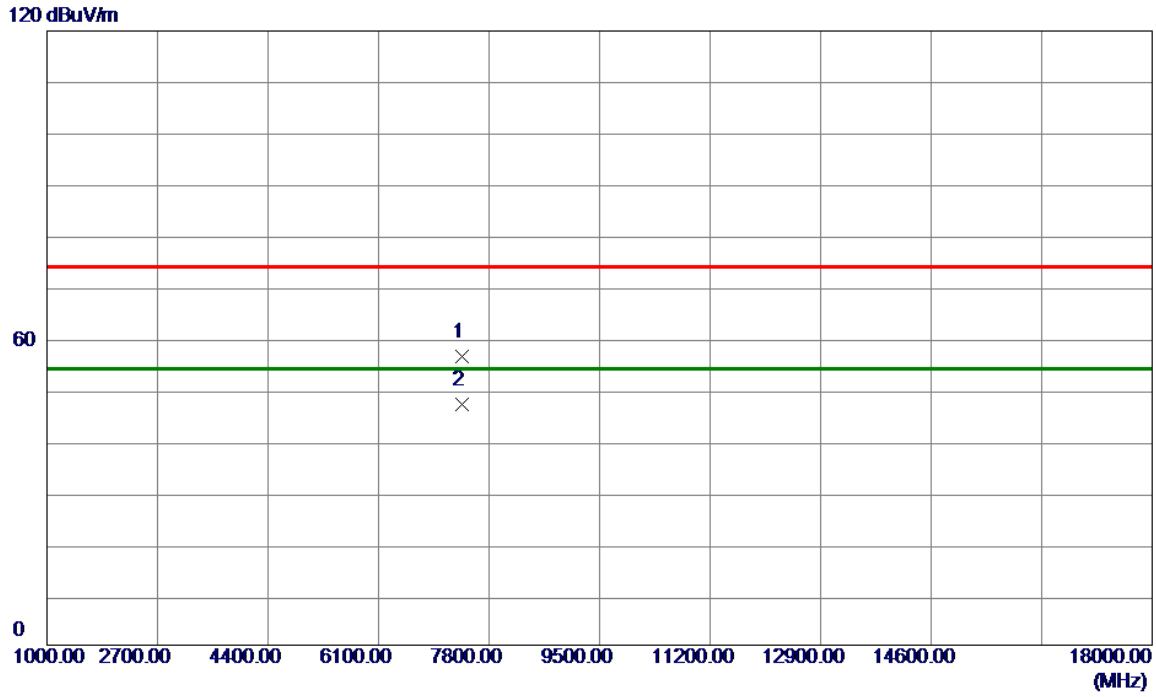
Test Mode	IEEE 802.11g	Test Date	2025/2/12
Test Frequency	2462MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7386.0000	55.10	6.42	61.52	74.00	-12.48	Peak	
2 *	7386.0000	43.08	6.42	49.50	54.00	-4.50	AVG	

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

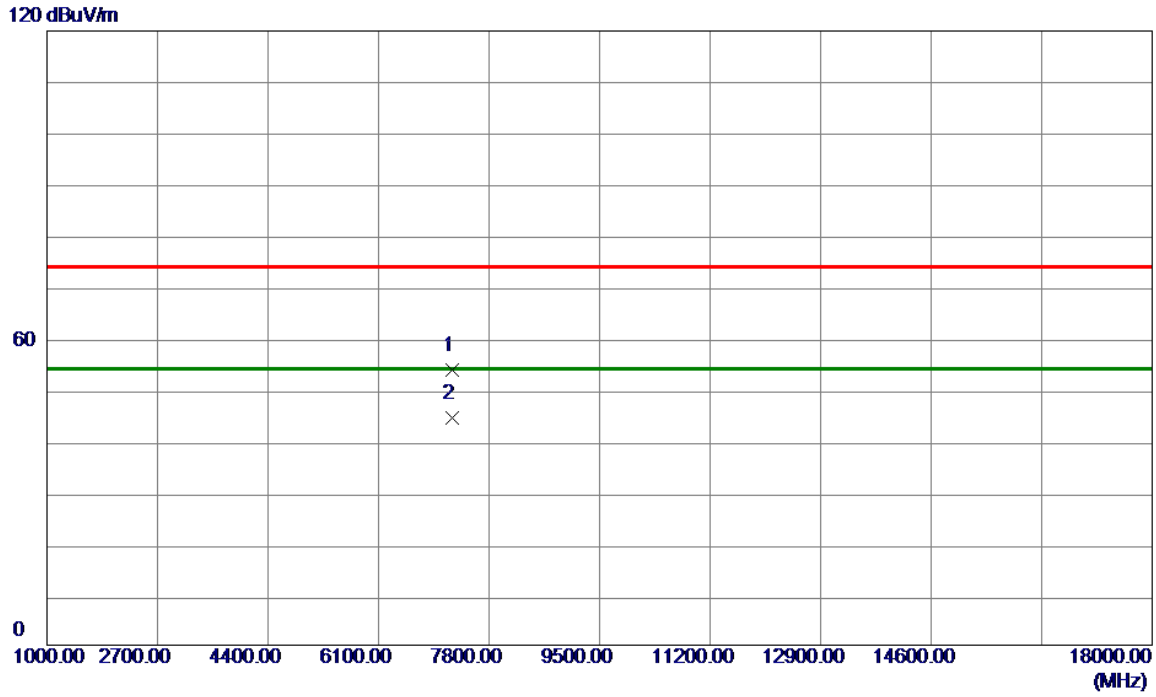
Test Mode	IEEE 802.11g	Test Date	2025/2/12
Test Frequency	2462MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7386.0000	49.96	6.42	56.38	74.00	-17.62	Peak	
2 *	7386.0000	40.56	6.42	46.98	54.00	-7.02	AVG	

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

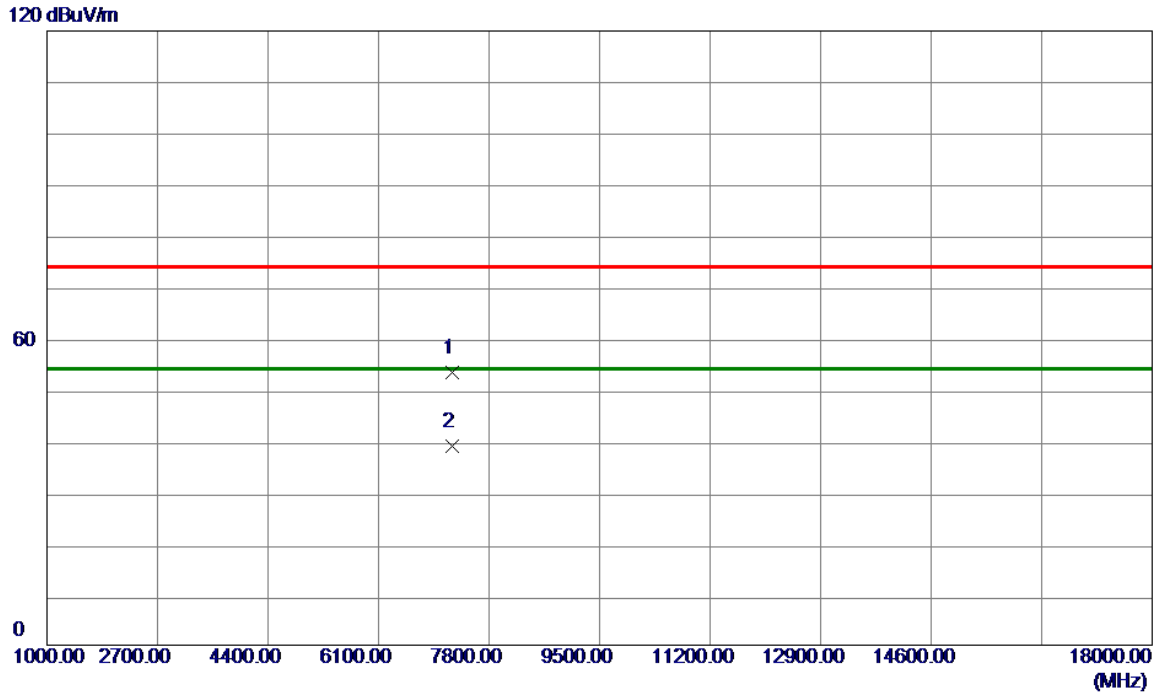
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/2/12
Test Frequency	2412MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7236.0000	47.26	6.40	53.66	74.00	-20.34	Peak	
2 *	7236.0000	37.89	6.40	44.29	54.00	-9.71	AVG	

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

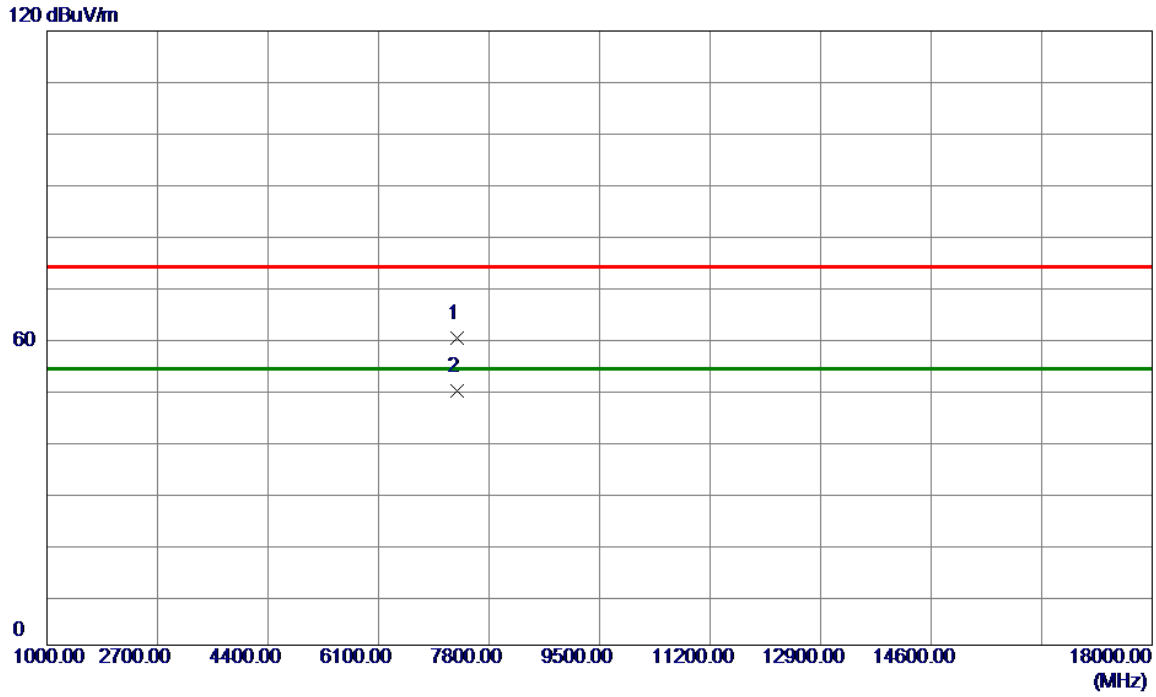
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/2/12
Test Frequency	2412MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7236.0000	46.99	6.40	53.39	74.00	-20.61	Peak	
2 *	7236.0000	32.51	6.40	38.91	54.00	-15.09	AVG	

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

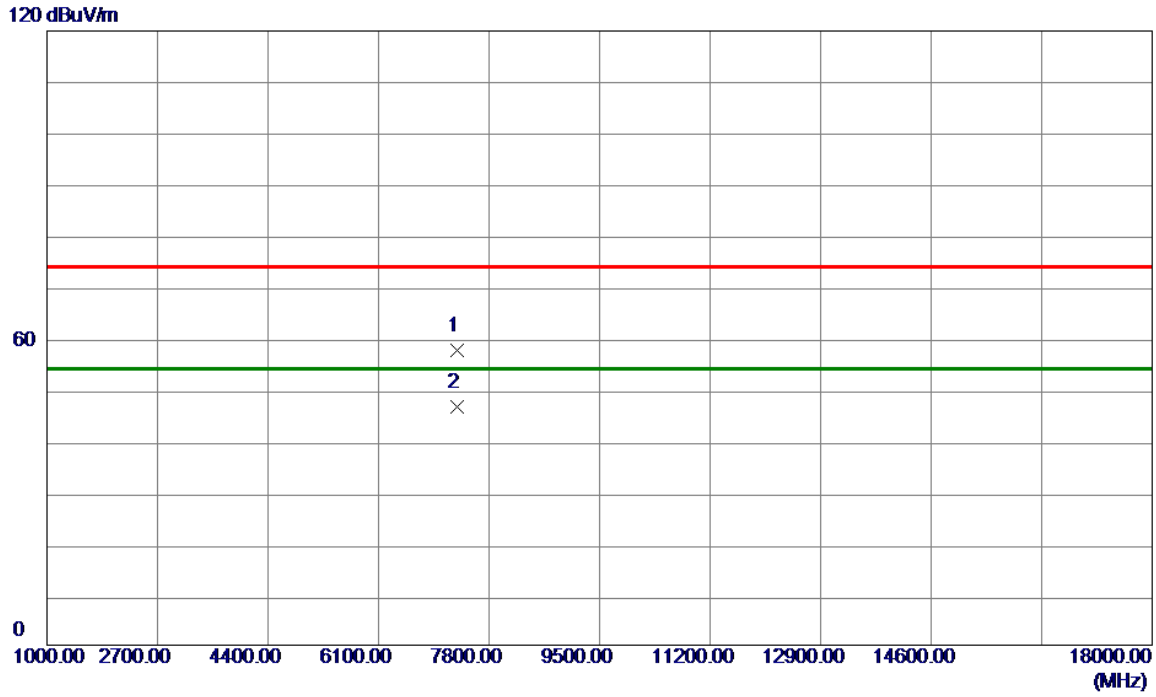
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/2/12
Test Frequency	2437MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7311.0000	53.57	6.41	59.98	74.00	-14.02	Peak	
2 *	7311.0000	43.22	6.41	49.63	54.00	-4.37	AVG	

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

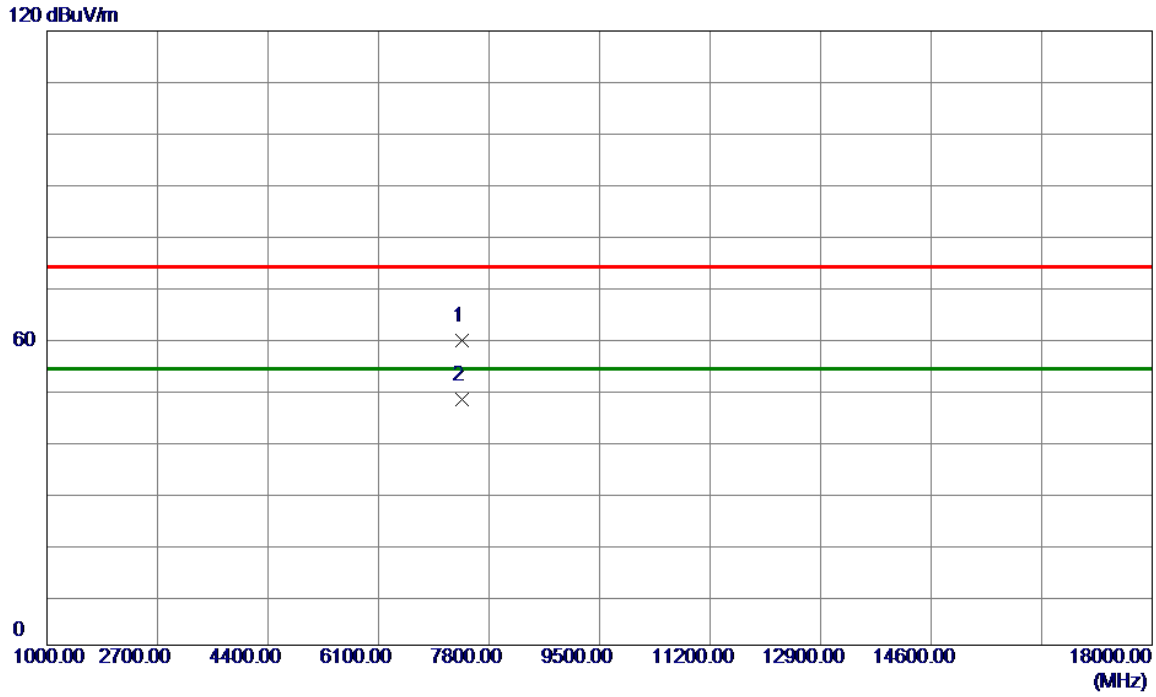
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/2/12
Test Frequency	2437MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7311.0000	51.16	6.41	57.57	74.00	-16.43	Peak	
2 *	7311.0000	40.21	6.41	46.62	54.00	-7.38	AVG	

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

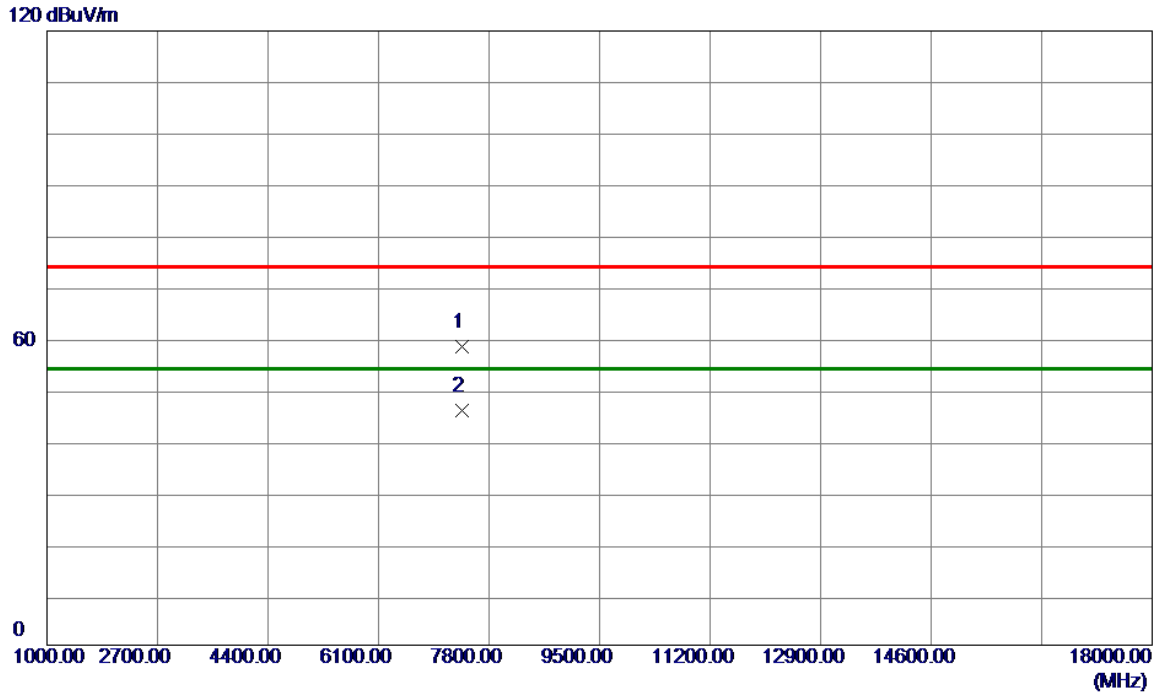
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/2/12
Test Frequency	2462MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7386.0000	53.02	6.42	59.44	74.00	-14.56	Peak	
2 *	7386.0000	41.56	6.42	47.98	54.00	-6.02	AVG	

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

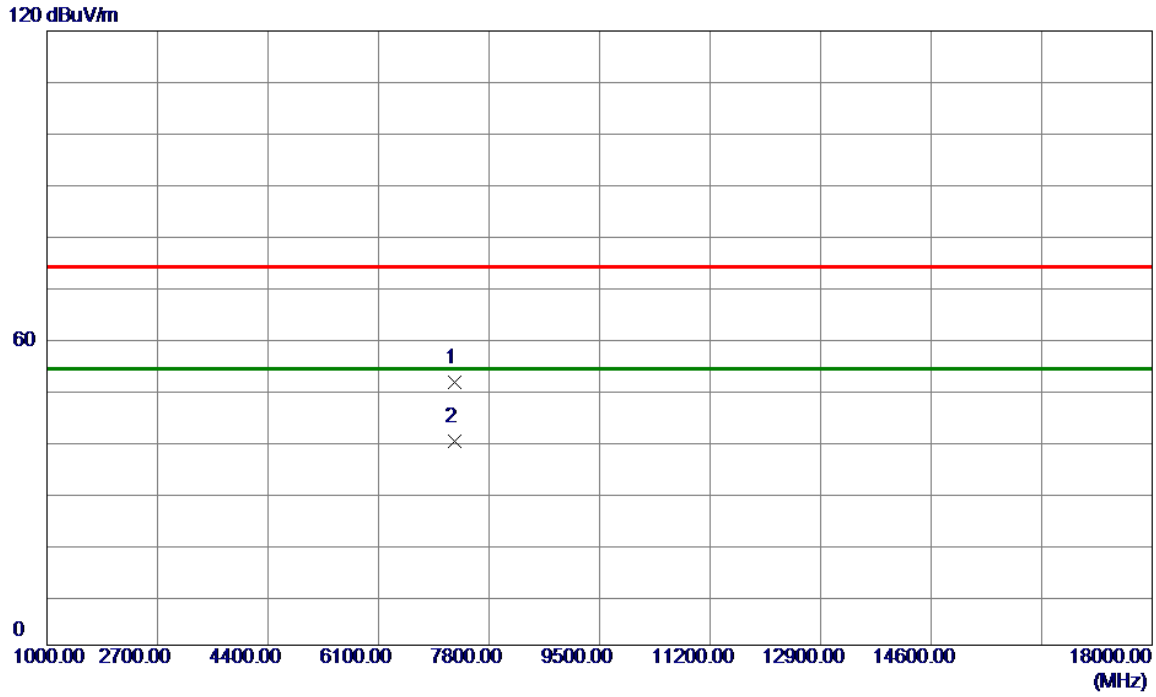
Test Mode	IEEE 802.11n (HT20)	Test Date	2025/2/12
Test Frequency	2462MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7386.0000	51.79	6.42	58.21	74.00	-15.79	Peak	
2 *	7386.0000	39.42	6.42	45.84	54.00	-8.16	AVG	

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

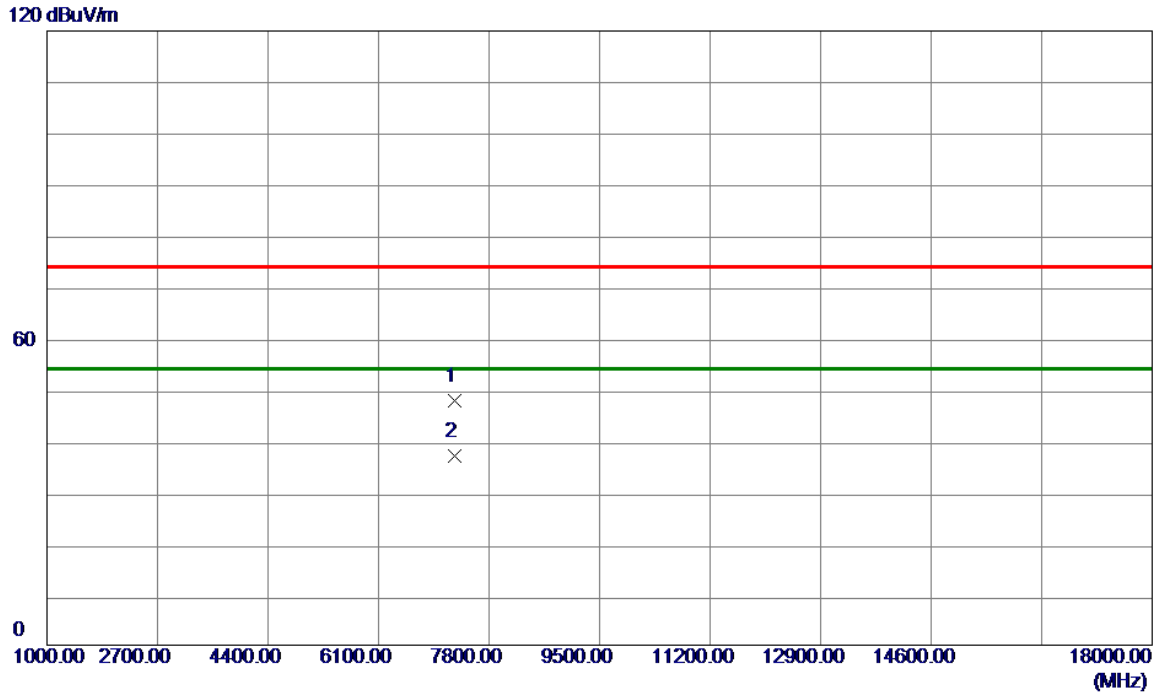
Test Mode	IEEE 802.11n (HT40)	Test Date	2025/2/12
Test Frequency	2422MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7266.0000	44.95	6.40	51.35	74.00	-22.65	Peak	
2 *	7266.0000	33.45	6.40	39.85	54.00	-14.15	AVG	

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

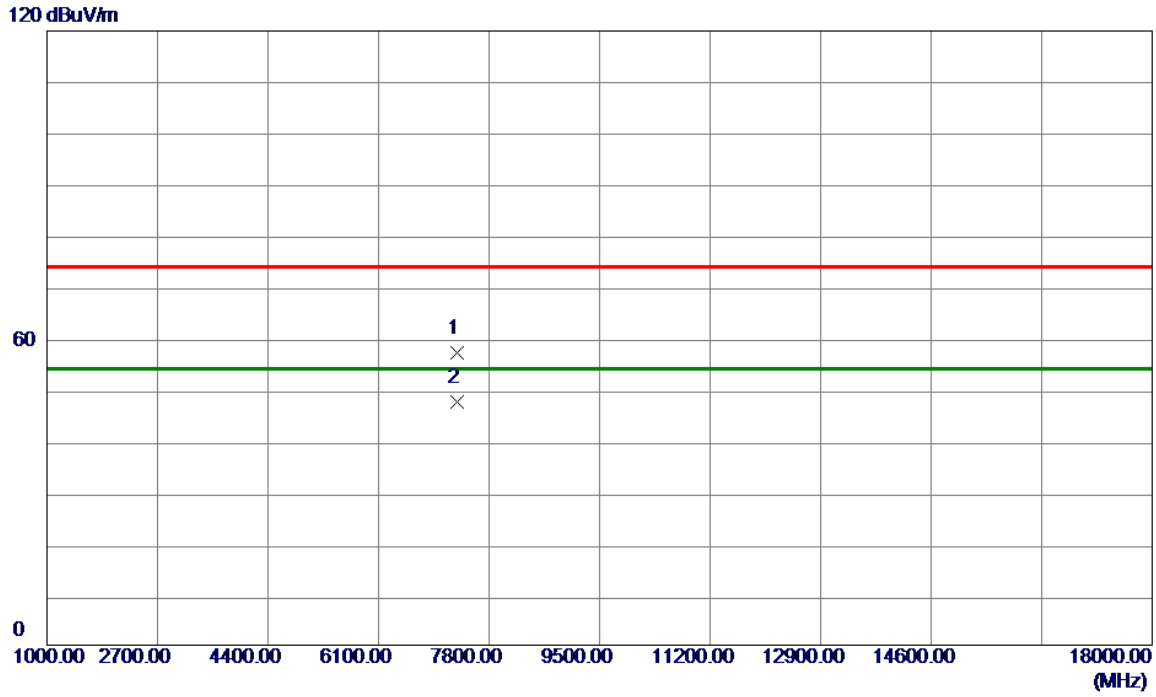
Test Mode	IEEE 802.11n (HT40)	Test Date	2025/2/12
Test Frequency	2422MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7266.0000	41.32	6.40	47.72	74.00	-26.28	Peak	
2 *	7266.0000	30.61	6.40	37.01	54.00	-16.99	AVG	

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

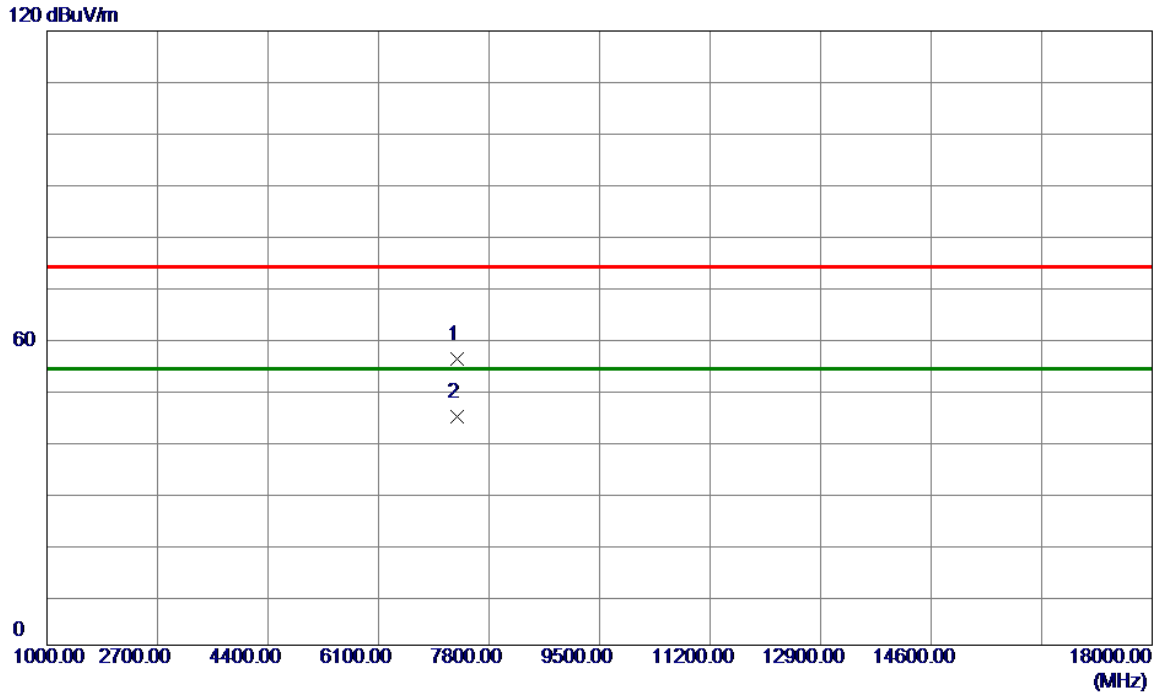
Test Mode	IEEE 802.11n (HT40)	Test Date	2025/2/12
Test Frequency	2437MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7311.0000	50.70	6.41	57.11	74.00	-16.89	Peak	
2 *	7311.0000	41.00	6.41	47.41	54.00	-6.59	AVG	

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

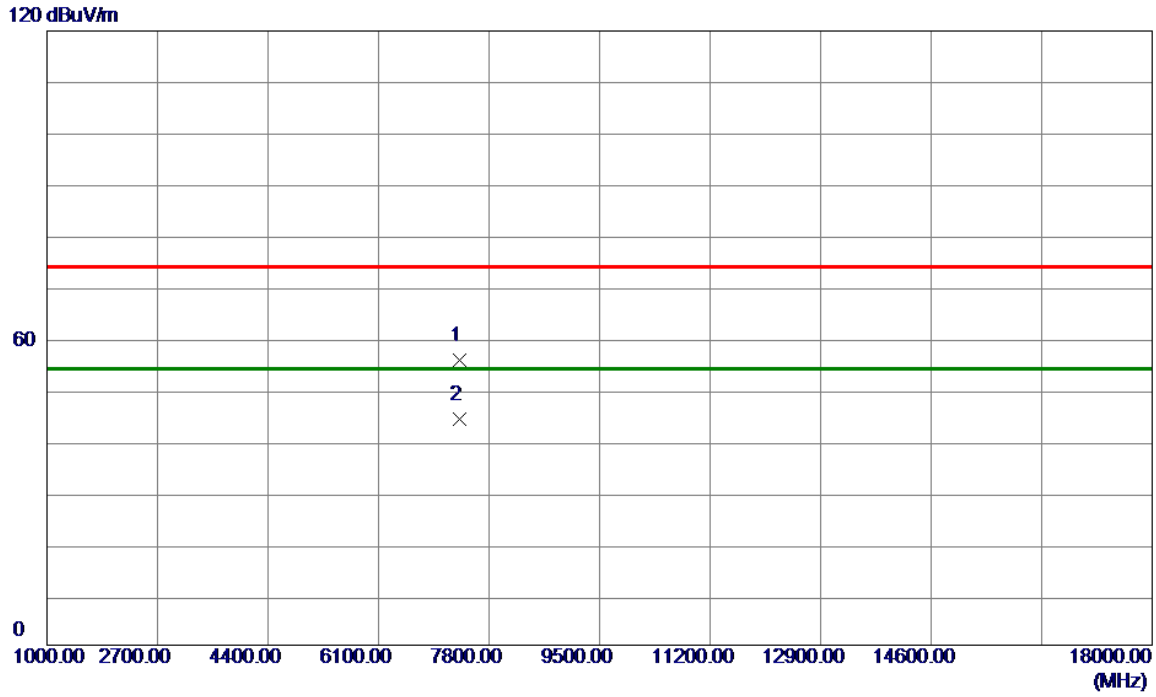
Test Mode	IEEE 802.11n (HT40)	Test Date	2025/2/12
Test Frequency	2437MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7311.0000	49.40	6.41	55.81	74.00	-18.19	Peak	
2 *	7311.0000	38.13	6.41	44.54	54.00	-9.46	AVG	

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

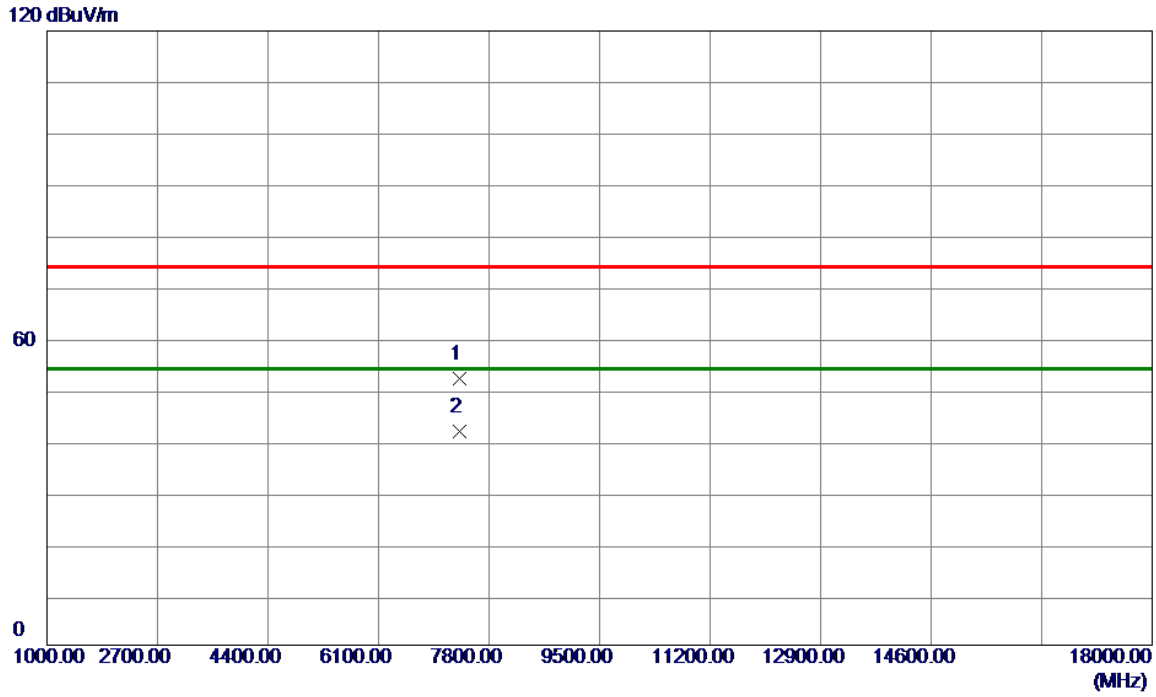
Test Mode	IEEE 802.11n (HT40)	Test Date	2025/2/12
Test Frequency	2452MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7356.0000	49.25	6.41	55.66	74.00	-18.34	Peak	
2 *	7356.0000	37.70	6.41	44.11	54.00	-9.89	AVG	

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

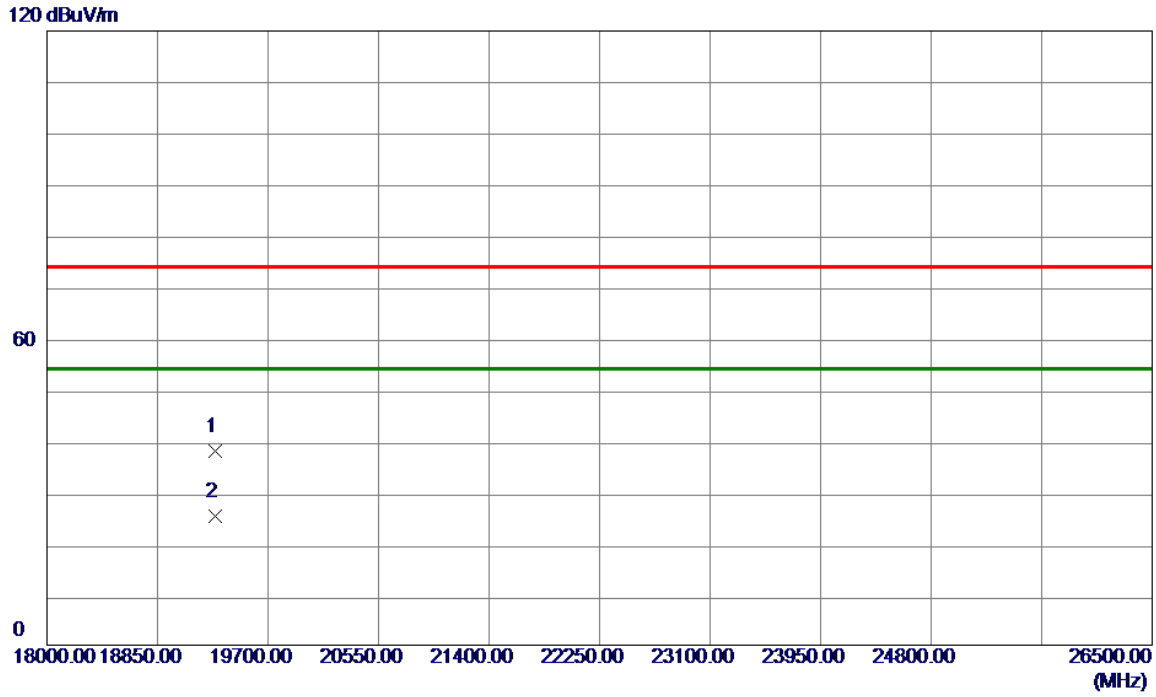
Test Mode	IEEE 802.11n (HT40)	Test Date	2025/2/12
Test Frequency	2452MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7356.0000	45.75	6.41	52.16	74.00	-21.84	Peak	
2 *	7356.0000	35.38	6.41	41.79	54.00	-12.21	AVG	

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

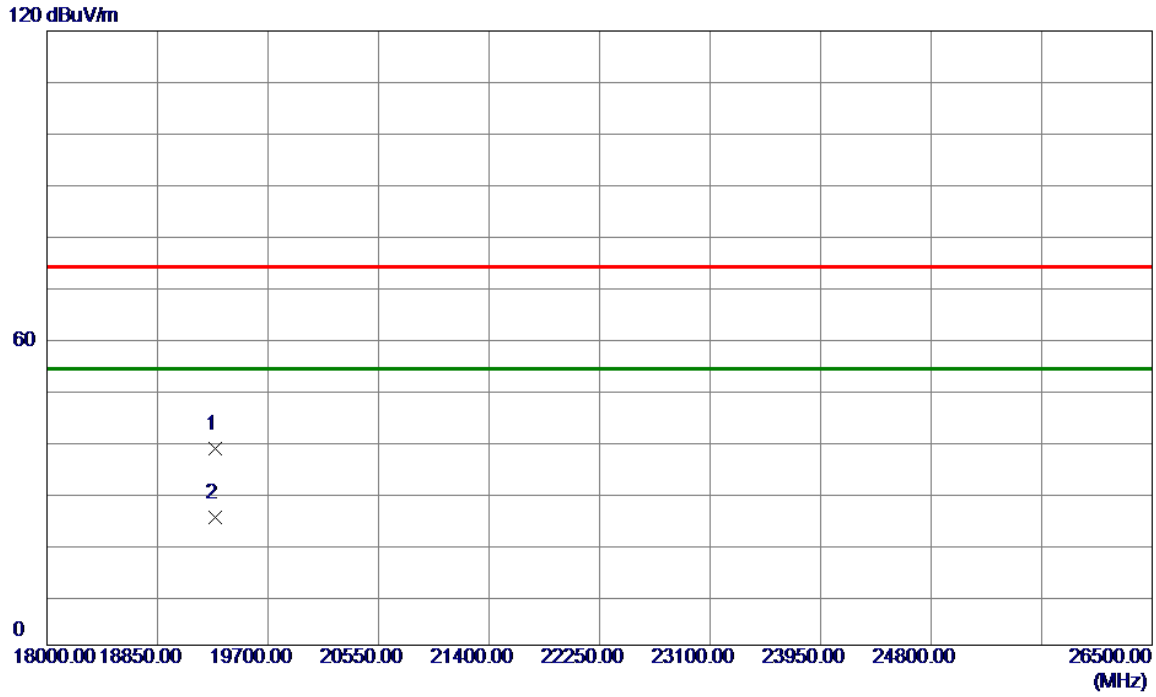
Test Mode	IEEE 802.11b	Test Date	2025/2/12
Test Frequency	2412MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	19296.0000	47.84	-10.01	37.83	74.00	-36.17	Peak	
2 *	19296.0000	35.15	-10.01	25.14	54.00	-28.86	AVG	

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

Test Mode	IEEE 802.11b	Test Date	2025/2/12
Test Frequency	2412MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	19296.0000	48.35	-10.01	38.34	74.00	-35.66	Peak	
2 *	19296.0000	34.98	-10.01	24.97	54.00	-29.03	AVG	

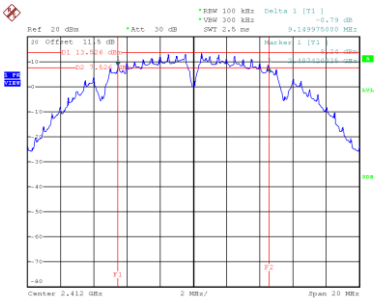
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D BANDWIDTH

Test Mode	TX B Mode

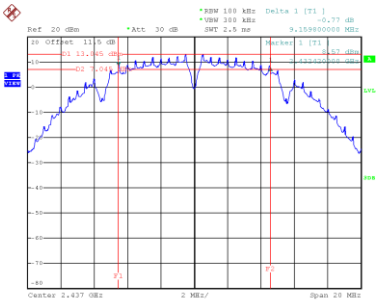
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	9.150	13.680	0.5	Complies
06	2437	9.160	13.840	0.5	Complies
11	2462	9.100	13.600	0.5	Complies

CH01

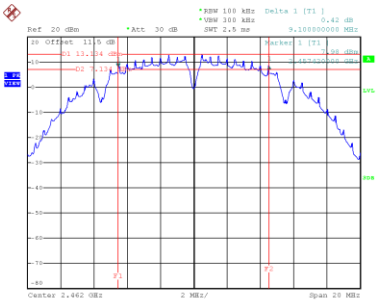


CH06

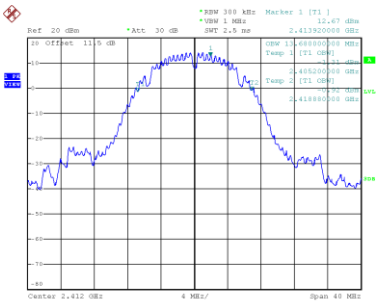
6 dB Bandwidth

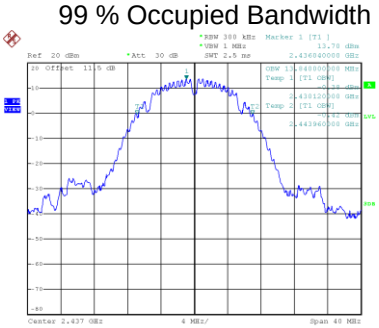


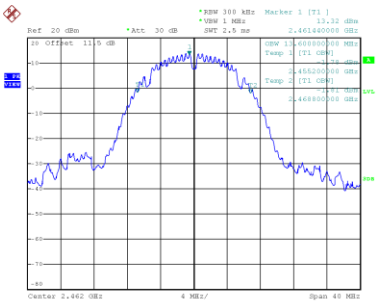
CH11



99 % Occupied Bandwidth



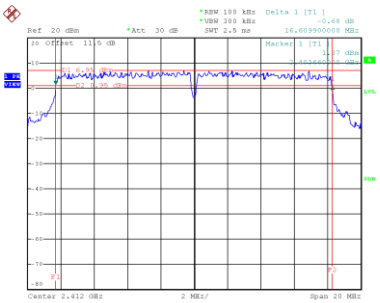




Test Mode	TX G Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.610	19.040	0.5	Complies
06	2437	16.580	18.400	0.5	Complies
11	2462	16.600	18.080	0.5	Complies

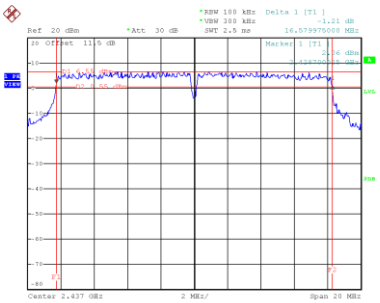
CH01



Date: 14.FEB.2025 11:35:31

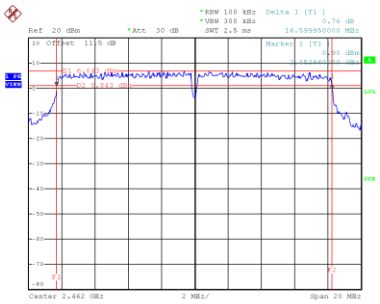
CH06

6 dB Bandwidth



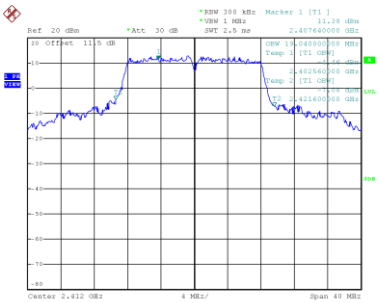
Date: 14.FEB.2025 11:41:34

CH11

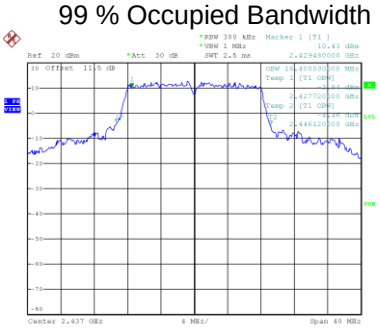


Date: 14.FEB.2025 11:43:38

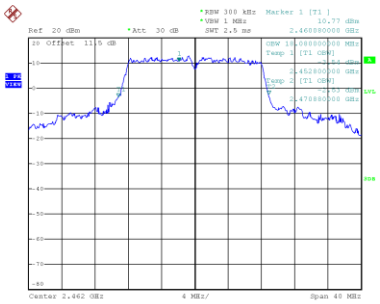
99 % Occupied Bandwidth



Date: 14.FEB.2025 11:35:40



Date: 14.FEB.2025 11:41:43

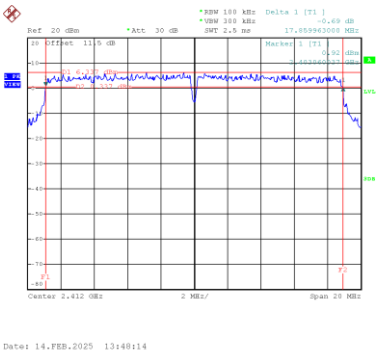


Date: 14.FEB.2025 11:43:47

Test Mode	TX N(HT20) Mode

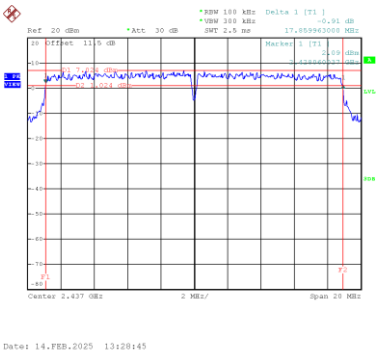
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	17.860	18.800	0.5	Complies
06	2437	17.860	19.680	0.5	Complies
11	2462	17.800	19.680	0.5	Complies

CH01

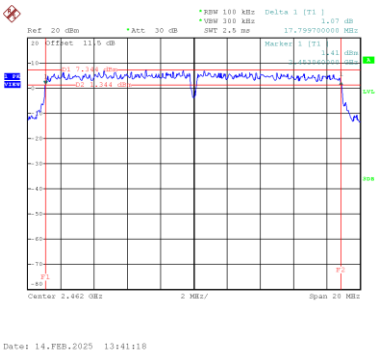


CH06

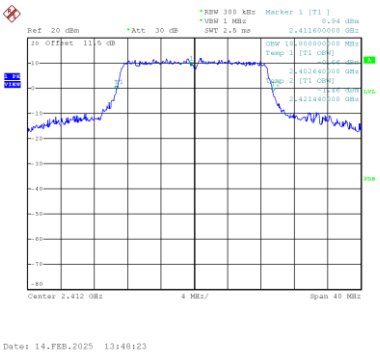
6 dB Bandwidth

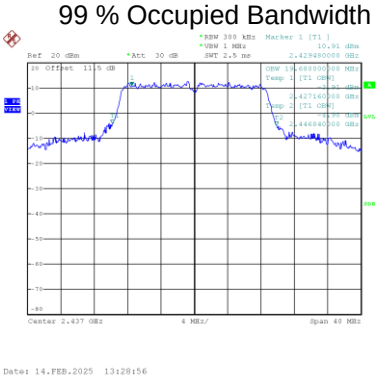


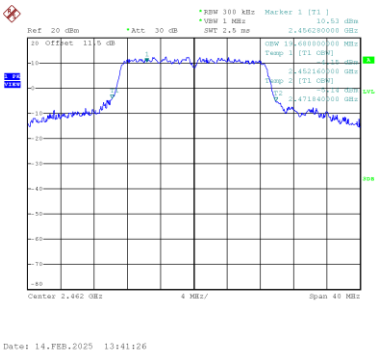
CH11



99 % Occupied Bandwidth







Test Mode	TX N(HT40) Mode

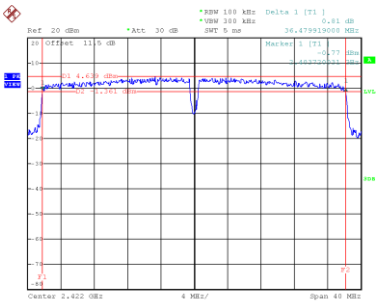
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	36.480	37.920	0.5	Complies
06	2437	36.440	37.280	0.5	Complies
09	2452	36.520	37.280	0.5	Complies

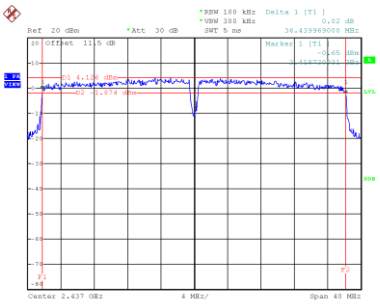
CH03

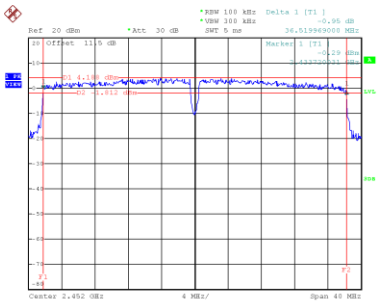
CH06

CH09

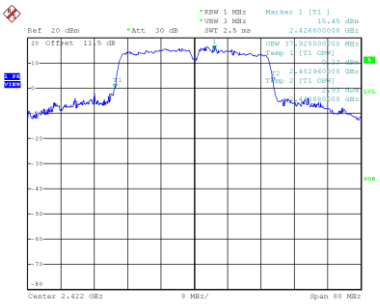
6 dB Bandwidth

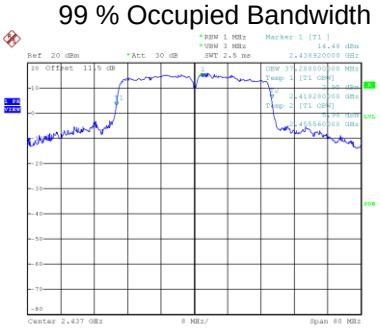


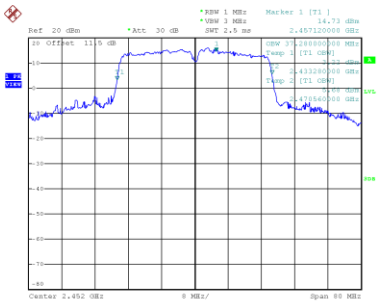




99 % Occupied Bandwidth







APPENDIX E OUTPUT POWER

Test Mode	IEEE 802.11b_ Ant 1	Tested Date	2025/2/11

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	23.22	0.00	23.22	30.00	1.0000	Complies
06	2437	23.16	0.00	23.16	30.00	1.0000	Complies
11	2462	23.14	0.00	23.14	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_ Ant 1	Tested Date	2025/2/11

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	22.17	0.00	22.17	30.00	1.0000	Complies
06	2437	22.05	0.00	22.05	30.00	1.0000	Complies
11	2462	22.12	0.00	22.12	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_ Ant 1	Tested Date	2025/2/11

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	22.18	0.00	22.18	30.00	1.0000	Complies
06	2437	22.05	0.00	22.05	30.00	1.0000	Complies
11	2462	22.11	0.00	22.11	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT40)_ Ant 1	Tested Date	2025/2/11

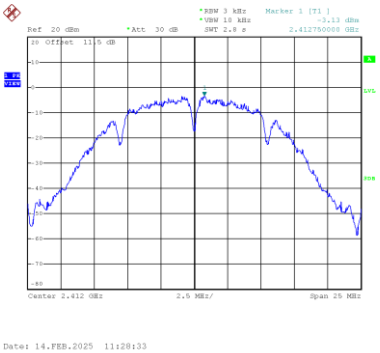
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	22.27	0.00	22.27	30.00	1.0000	Complies
06	2437	22.07	0.00	22.07	30.00	1.0000	Complies
09	2452	22.02	0.00	22.02	30.00	1.0000	Complies

APPENDIX F POWER SPECTRAL DENSITY

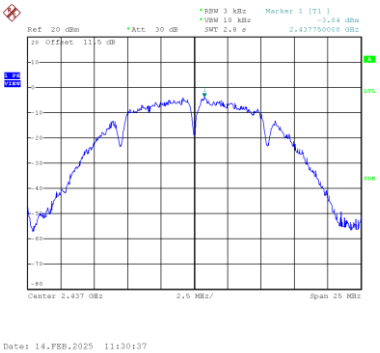
Test Mode	TX B Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-3.13	8.00	Complies
06	2437	-3.84	8.00	Complies
11	2462	-3.75	8.00	Complies

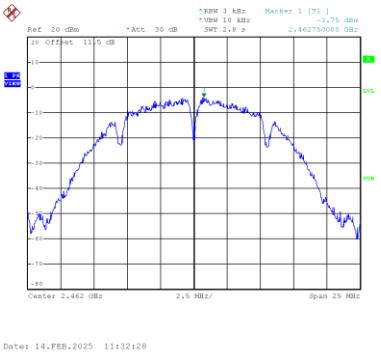
CH01



CH06



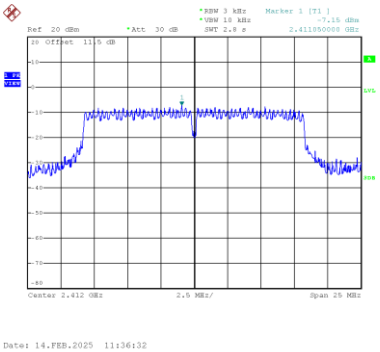
CH11



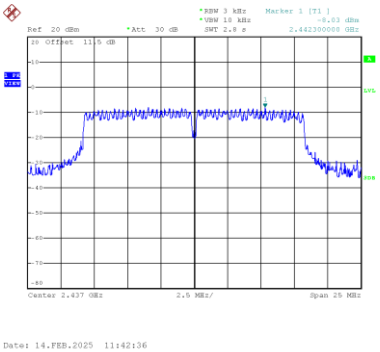
Test Mode	TX G Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-7.15	8.00	Complies
06	2437	-8.03	8.00	Complies
11	2462	-8.00	8.00	Complies

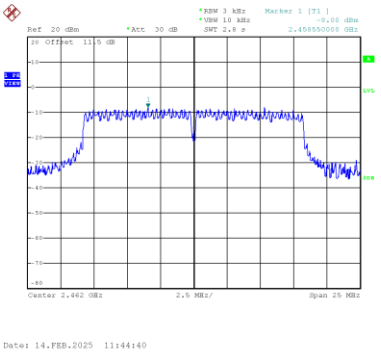
CH01



CH06



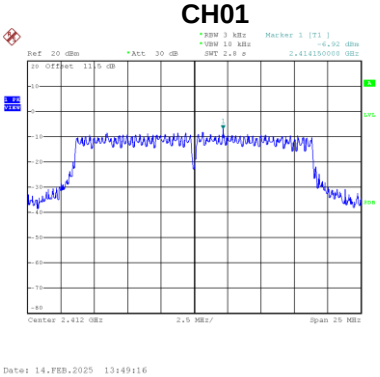
CH11



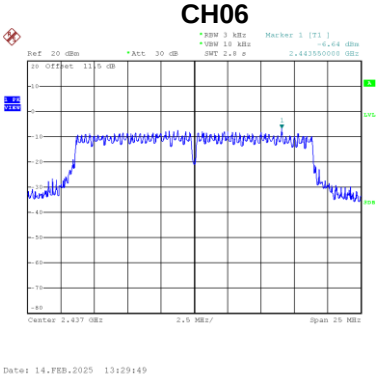
Test Mode	TX N(HT20) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-6.92	8.00	Complies
06	2437	-6.64	8.00	Complies
11	2462	-7.40	8.00	Complies

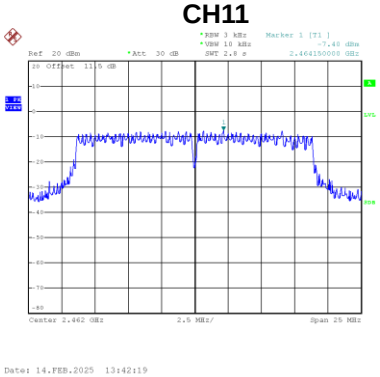
CH01



CH06



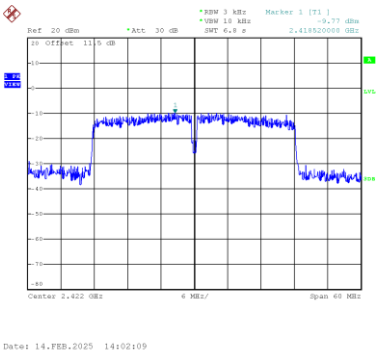
CH11



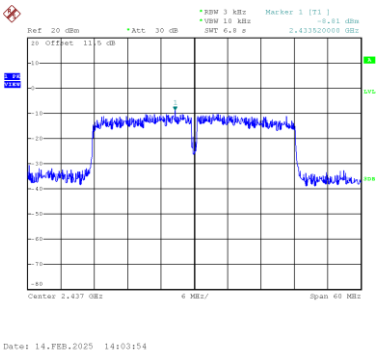
Test Mode	TX N(HT40) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-9.77	8.00	Complies
06	2437	-8.81	8.00	Complies
09	2452	-7.82	8.00	Complies

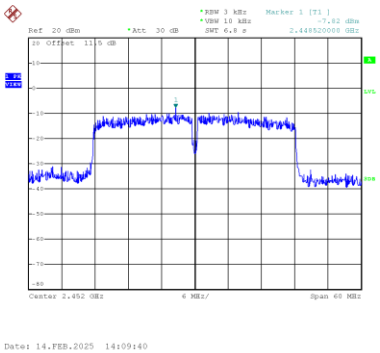
CH03



CH06



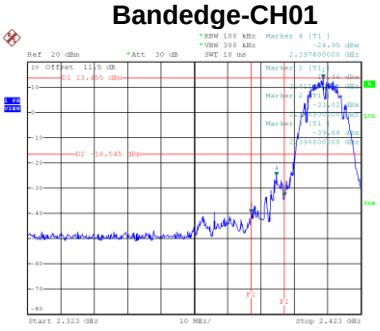
CH09



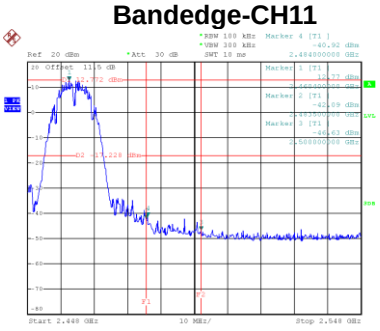
APPENDIX G ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Mode	TX B Mode_Ant. 1

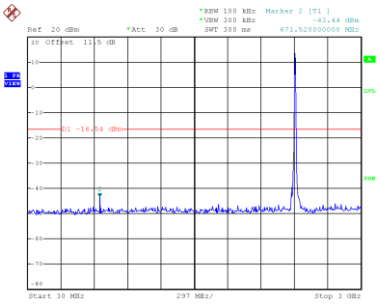
Bandedge-CH01

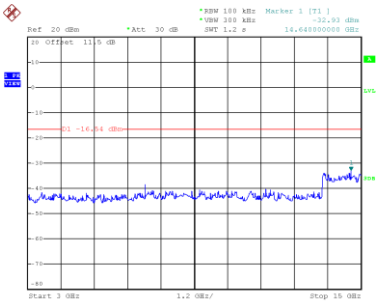


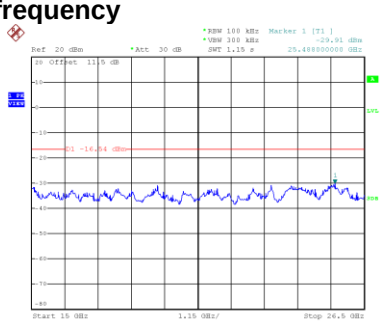
Bandedge-CH11



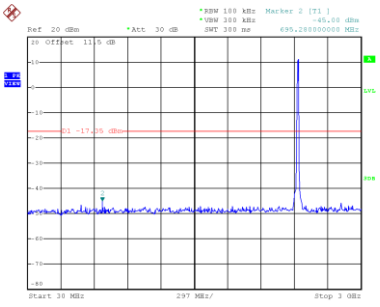
CH01 – 10th Harmonic of the fundamental frequency

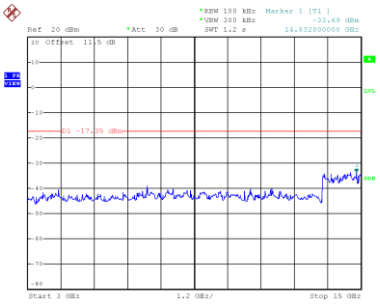


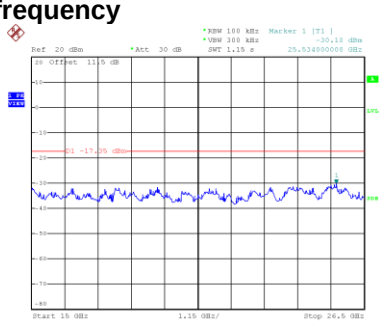




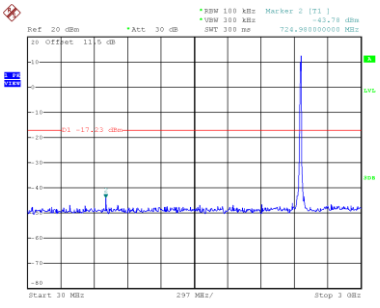
CH06 – 10th Harmonic of the fundamental frequency

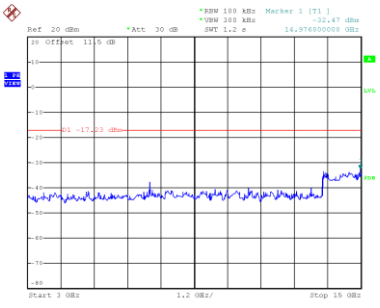


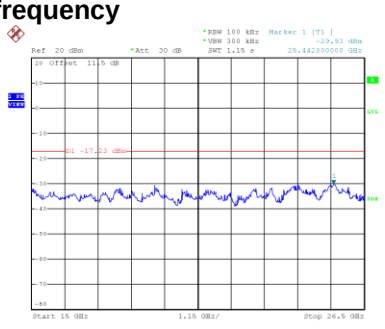




CH11 – 10th Harmonic of the fundamental frequency

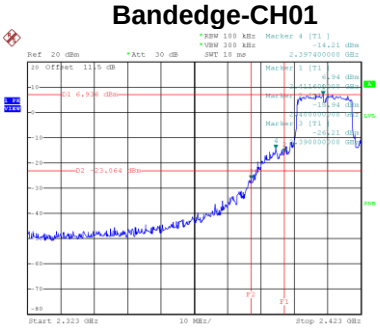




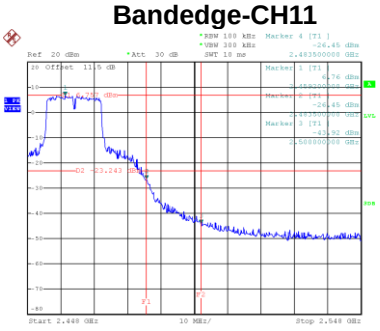


Test Mode	TX G Mode_Ant. 1

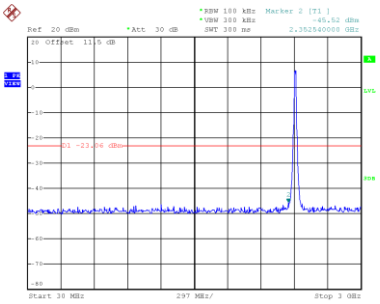
Bandedge-CH01

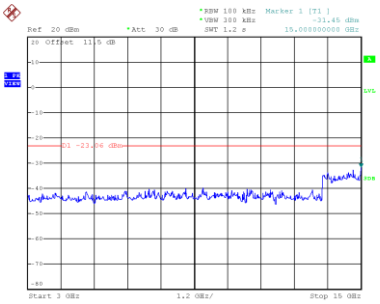


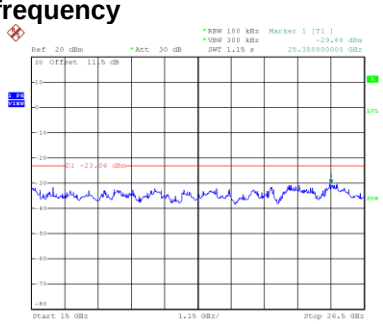
Bandedge-CH11



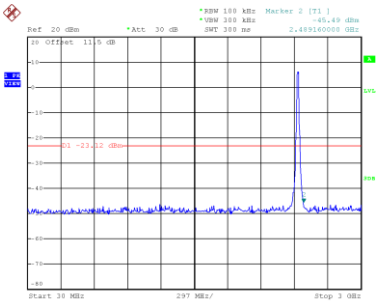
CH01 – 10th Harmonic of the fundamental frequency

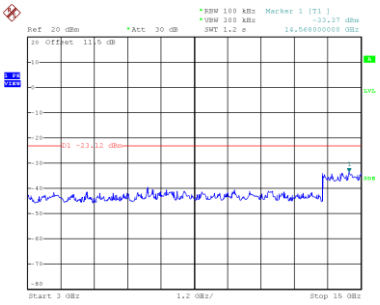


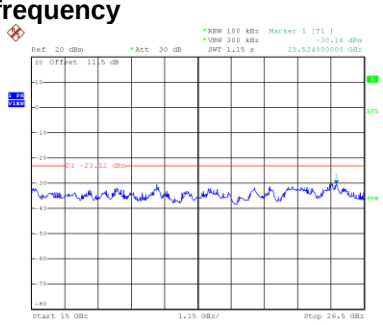




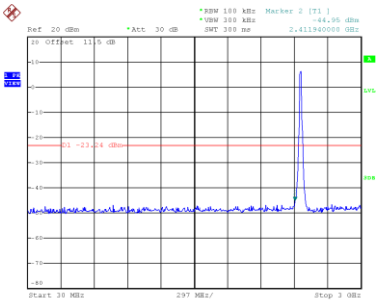
CH06 – 10th Harmonic of the fundamental frequency

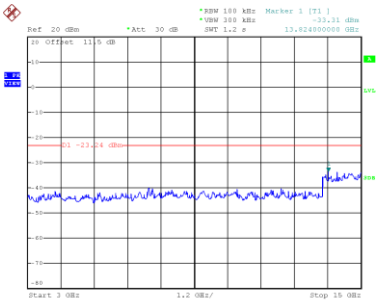


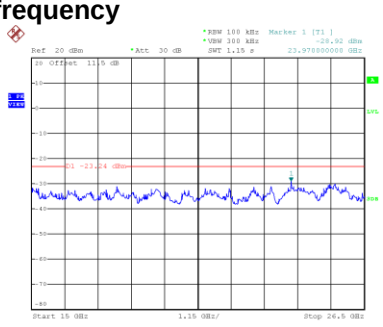




CH11 – 10th Harmonic of the fundamental frequency

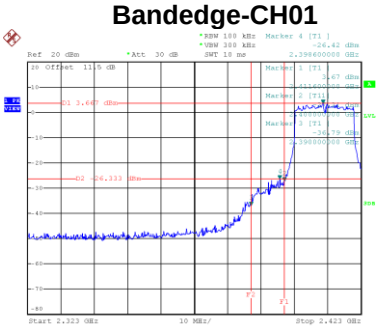




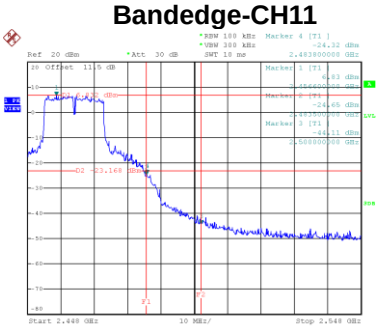


Test Mode	TX N(HT20) Mode_Ant. 1

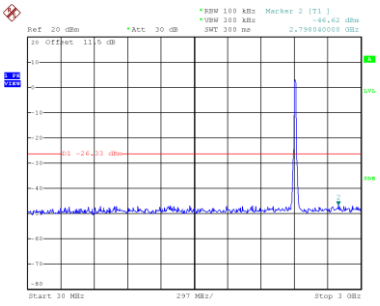
Bandedge-CH01

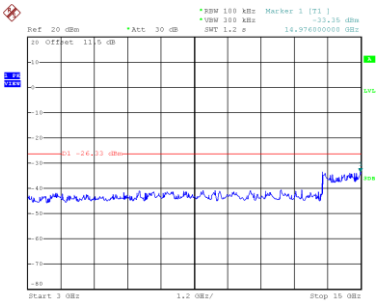


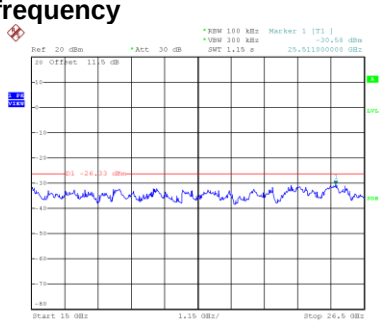
Bandedge-CH11



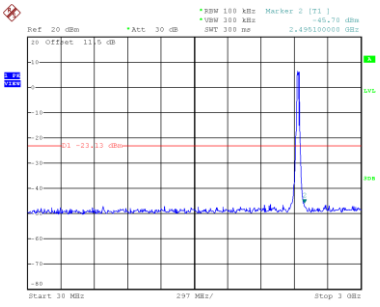
CH01 – 10th Harmonic of the fundamental frequency

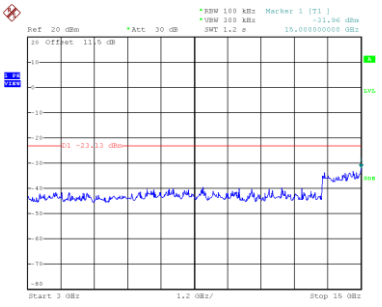


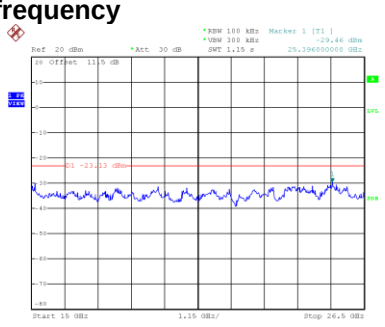




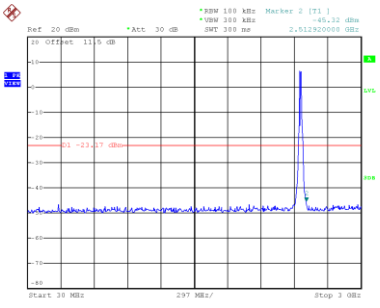
CH06 – 10th Harmonic of the fundamental frequency

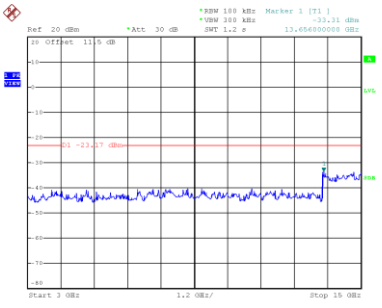


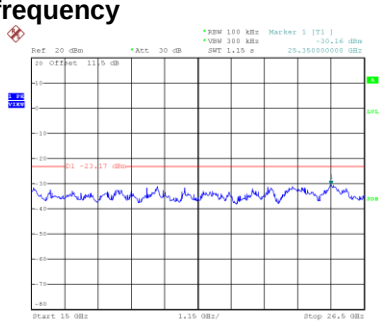




CH11 – 10th Harmonic of the fundamental frequency

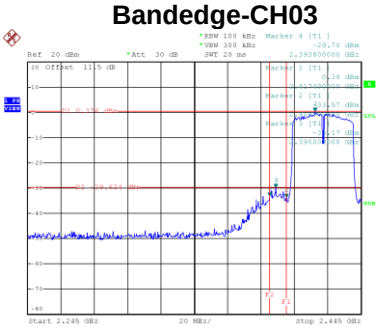




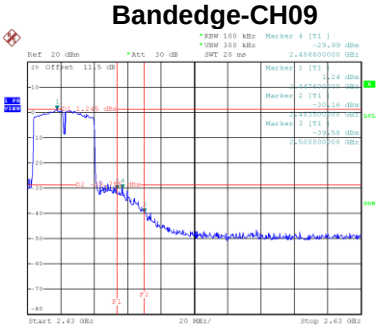


Test Mode	TX N(HT40) Mode_Ant. 1

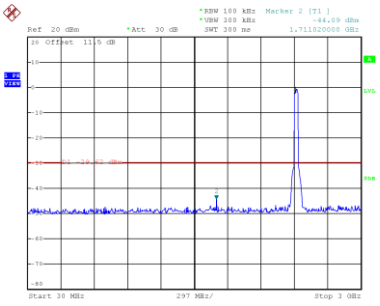
Bandedge-CH03

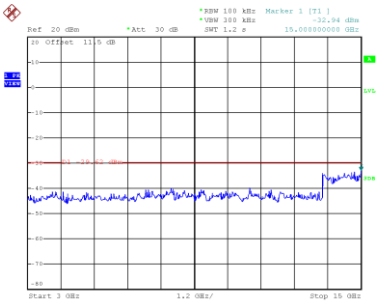


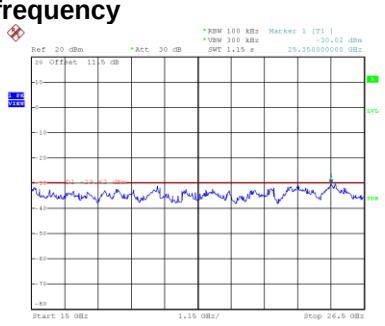
Bandedge-CH09



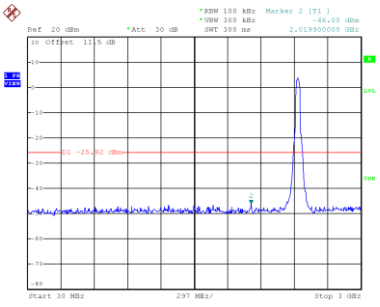
CH03 – 10th Harmonic of the fundamental frequency

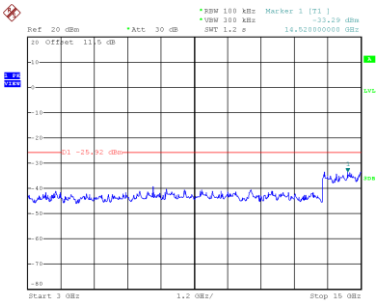


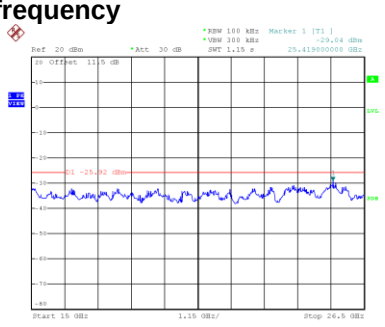




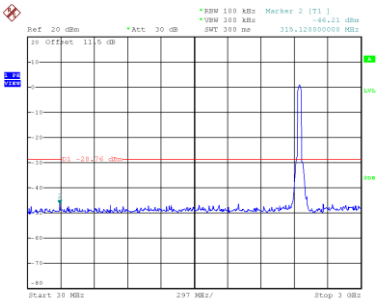
CH06 – 10th Harmonic of the fundamental frequency

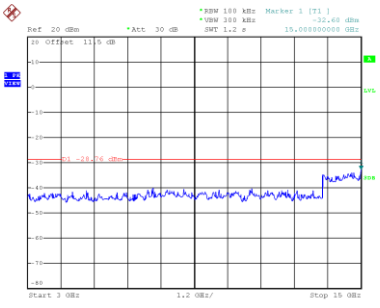


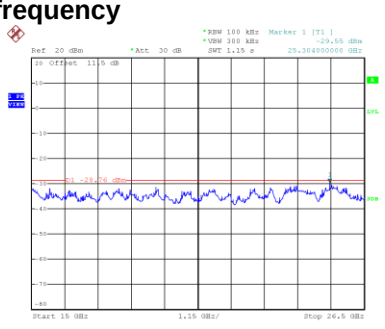




CH09 – 10th Harmonic of the fundamental frequency







End of Test Report