

FCC Radio Test Report

FCC ID: KA2CS8526LHB1

Report No. : BTL-FCCP-1-2404H026
Equipment : 2K QHD Pan & Tilt Wi-Fi Camera
Model Name : DCS-8526LH
Brand Name : D-Link
Applicant : D-Link Corporation
Address : 14420 Myford Road Suite 100, Irvine, California 92606, United States

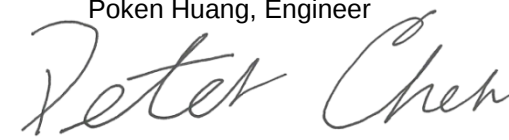
Radio Function : WLAN 2.4 GHz

FCC Rule Part(s) : FCC CFR Title 47, Part 15, Subpart C (15.247)
Measurement Procedure(s) : ANSI C63.10-2013

Date of Receipt : 2024/8/06
Date of Test : 2024/8/07 ~ 2024/8/27
Issued Date : 2024/10/18

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

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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.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2404H026	R00	Original Report.	2024/10/18	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	-----
15.205 15.209 15.247(d)	Radiated Emissions	APPENDIX B 0 APPENDIX D	Pass	-----
15.247(a)	Bandwidth	APPENDIX D	Pass	-----
15.247(b)	Maximum 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 comply 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. 64, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City

☒ C01 ☒ CB20 ☒ TR01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, 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)
C06	CISPR	150 kHz ~ 30MHz	2.4498

B. Radiated emissions test:

Test Site	Measurement Frequency Range	U (dB)
CB21	0.03 GHz ~ 0.2 GHz	4.17
	0.2 GHz ~ 1 GHz	4.72
	1 GHz ~ 6 GHz	5.21
	6 GHz ~ 18 GHz	5.51
	18 GHz ~ 26 GHz	3.69
	26 GHz ~ 40 GHz	4.23

C. Conducted test:

Test Item	U (dB)
Occupied Bandwidth	0.53
Maximum Output Power	0.37
Power Spectral Density	0.66
Conducted Spurious emissions	0.53
Conducted Band edges	0.53

NOTE:

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

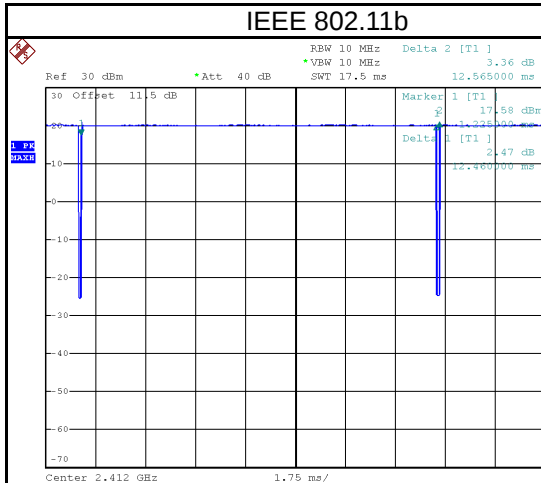
1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	25°C, 45%	AC 120V	Ken Lu
Radiated emissions below 1 GHz	26°C, 65%	AC 120V	Barry Tsui
Radiated emissions above 1 GHz	26°C, 65%	AC 120V	Barry Tsui
Bandwidth	25°C, 79%	AC 120V	Cai Hu
Maximum Output Power	25°C, 79%	AC 120V	Cai Hu
Power Spectral Density	25°C, 79%	AC 120V	Cai Hu
Antenna conducted Spurious Emission	25°C, 79%	AC 120V	Cai Hu

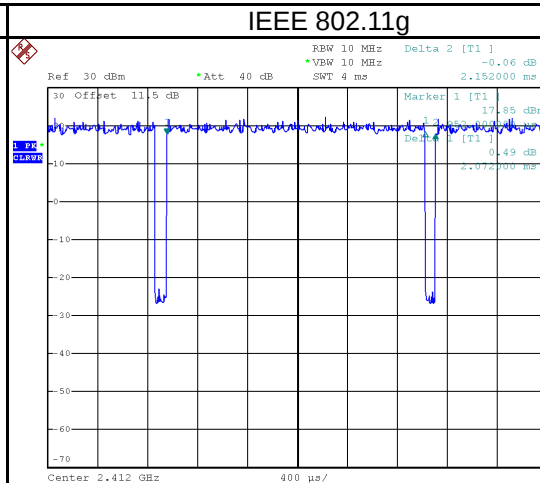
1.4 DUTY CYCLE

If duty cycle is $\geq 98\%$, duty factor is not required.
If duty cycle is $< 98\%$, duty factor shall be considered.

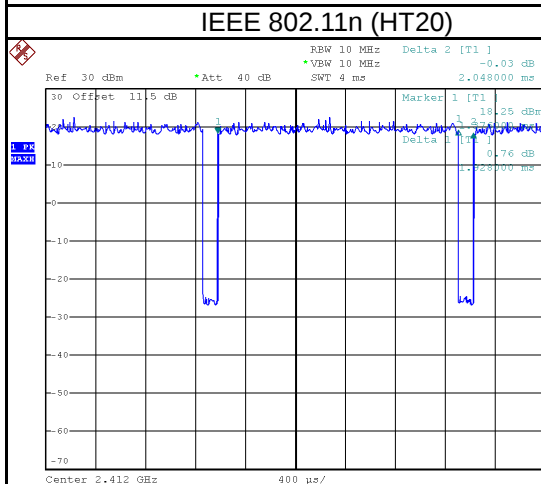
Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
IEEE 802.11b	12.460	1	12.460	12.565	99.17%	0.00
IEEE 802.11g	2.072	1	2.072	2.152	96.28%	0.16
IEEE 802.11n (HT20)	1.928	1	1.928	2.048	94.14%	0.26
IEEE 802.11n (HT40)	0.950	1	0.950	1.125	84.44%	0.73



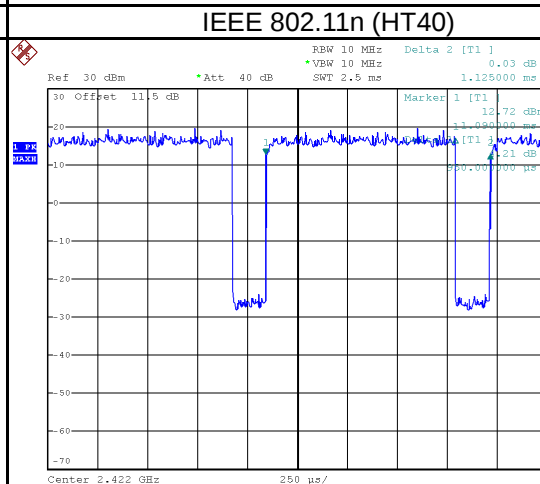
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2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	2K QHD Pan & Tilt Wi-Fi Camera
Brand Name	D-Link
Model Name	DCS-8526LH
Model Difference	N/A
Hardware Version	N/A
Software Version	N/A
Power Source	DC Voltage supplied from AC/DC adapter Brand/Model: KEYU/ KA12C-0502000US
Power Rating	I/P: 100-240V 50/60Hz 0.35A Max O/P: 5V  2000mA
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: 18.37 dBm (0.0687W)

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		EP07401	PIFA	N/A	-3.51

Note:

The antenna gain and beamforming gain are provided by the manufacturer.

2.2 TEST MODES

Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal	-	-
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)		
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)		
Transmitter Radiated Emissions (above 18GHz)	TX Mode_ IEEE 802.11b	01	-
Bandwidth & Maximum 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)		

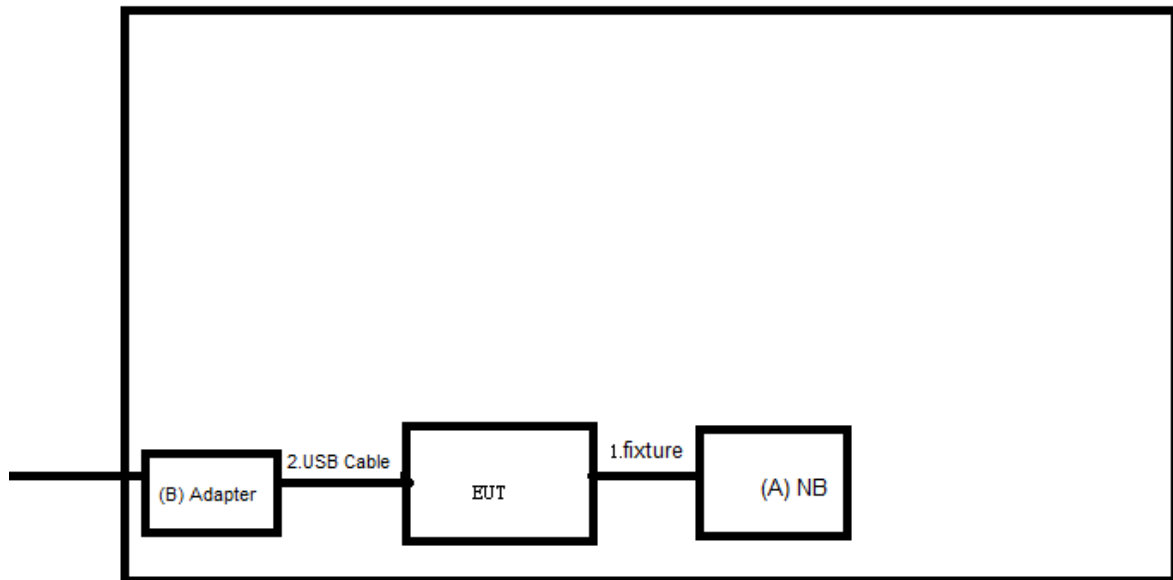
NOTE:

- (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 18-26.5GHz test, only tested the worst case and recorded.

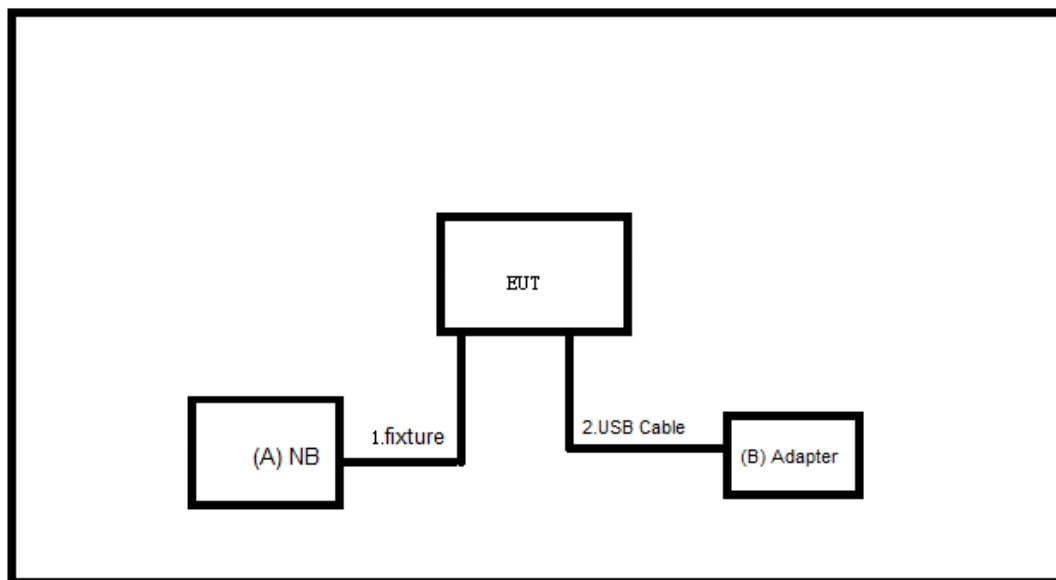
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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

AC power line conducted emissions



Radiated Emissions



2.4 SUPPORT UNITS

AC power line conducted emissions

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Notebook	Lenovo	ThinkBook 14 G4 IAP	MP28KHAH	Furnished by test lab.
B	Adapter	N/A	N/A	N/A	Supplied by test requester.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	fixture	N	N	0.3m	Furnished by test lab.
2	USB Cable	N	N	2 m	Supplied by test requester.

Radiated Emissions

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Notebook	Lenovo	ThinkBook 14 G4 IAP	MP28KHAH	Furnished by test lab.
B	Adapter	N/A	N/A	N/A	Supplied by test requester.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	fixture	N	N	0.3m	Furnished by test lab.
2	USB Cable	N	N	2 m	Supplied by test requester.

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.

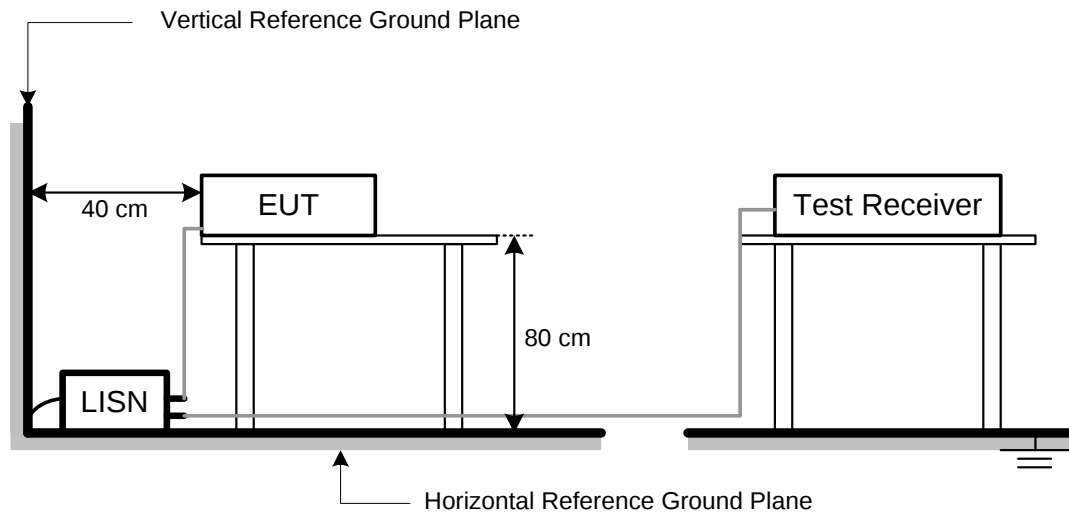
NOTE:

- (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 (dBuV)		Correct Factor (dB/m)		Measurement Value (dBuV/m)
19.11	+	2.11	=	21.22

Measurement Value (dBuV/m)		Limit Value (dBuV/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

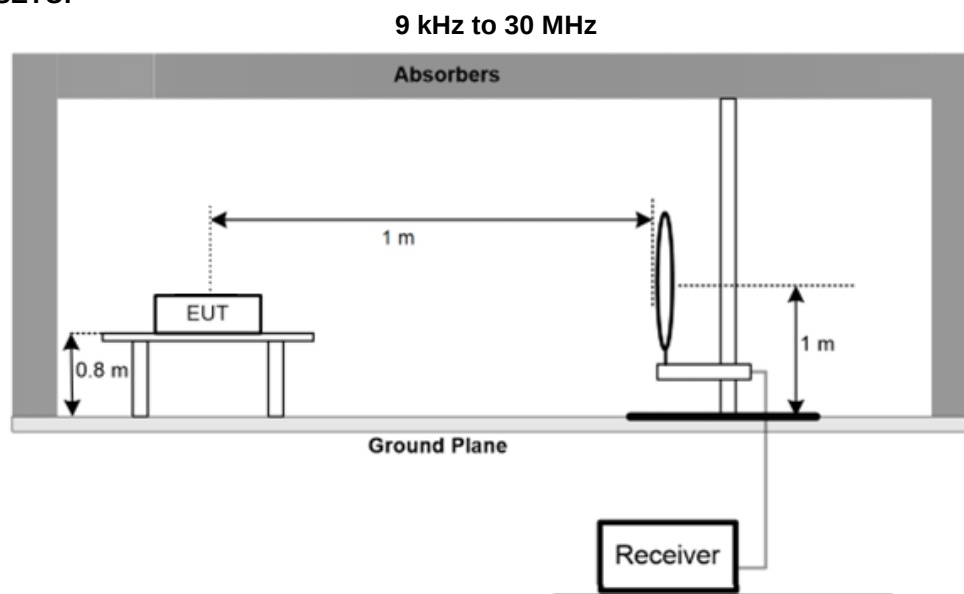
4.2 TEST PROCEDURE

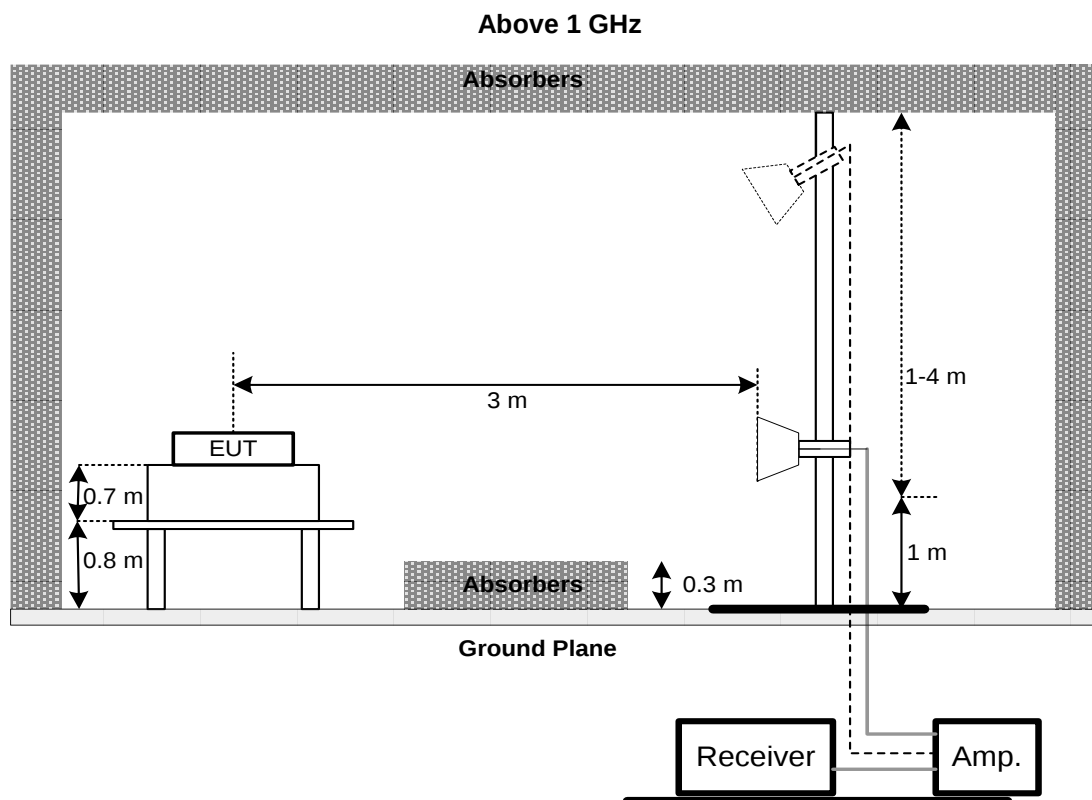
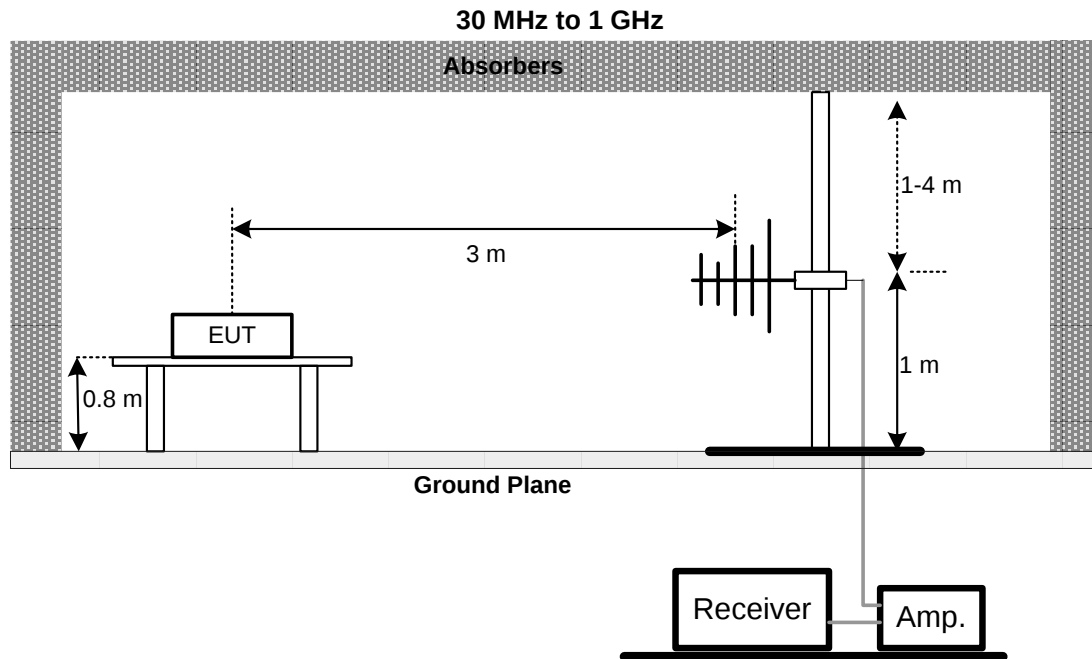
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of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





4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT – 9kHz TO 30 MHz

Please refer to the APPENDIX B.

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 0.

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

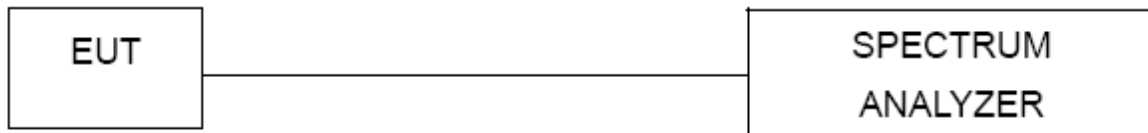
5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- 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 MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

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

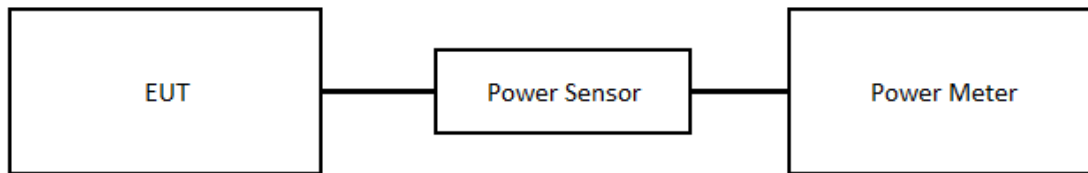
6.2 TEST PROCEDURE

- The EUT was directly connected to the Peak Power Analyzer and antenna output port as show in the block diagram below.
- The maximum AVG conducted output power was performed in accordance with FCC KDB 558074 D01 15.247 Meas Guidance.
- Subclause 11.9.1.1 of ANSI C63.10 is applied. The maximum peak 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)

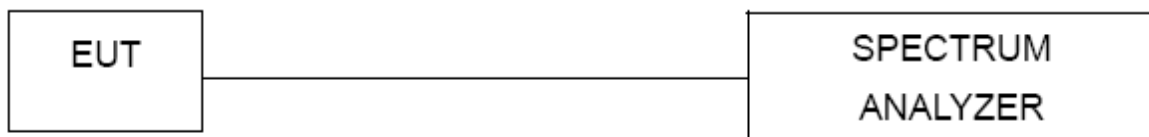
7.2 TEST PROCEDURE

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

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting: RBW = 100 kHz, VBW=300 kHz, Sweep time = Auto.
- 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-B M-9000	210501	2023/12/11	2024/12/10
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_Below 1GHz

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Loop Ant.	Electro-Metrics	EMCI-LPA600	274	2024/7/5	2025/7/4
2	EMC Receiver	Keysight	N9038A	MY54130009	2024/6/27	2025/6/26
3	Pre-Amplifier	EMCI	EMC001340	980555	2023/12/1	2024/11/30
4	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01207	2023/12/18	2024/12/17
5	EMC Receiver	Keysight	N9038A	MY54130009	2024/6/27	2025/6/26
6	Pre-Amplifier	EMCI	EMC001330-2020 1222	980807	2023/12/11	2024/12/10
7	Test Cable	EMCI	EMC-8D-NM-NM-5000	150106	2023/12/11	2024/12/10
8	Test Cable	EMCI	EMC-CFD-400-N M-NM-8000	200348	2023/12/11	2024/12/10
9	Measurement Software	Farad	EZ_EMC (Ver. NB-03A1-01)	N/A	N/A	N/A

Radiated Emissions_Above 1 GHz

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Broad-Band Horn Antenna	RFSPIN	DRH18-E	210109A18E	2024/1/10	2025/1/9
2	Pre-Amplifier	EMCI	EMC051845SE	980779	2023/12/11	2024/12/10
3	Test Cable	EMCI	EMC105-SM-SM-1000	210119	2023/12/11	2024/12/10
4	Test Cable	EMCI	EMC105-SM-SM-3000	210118	2023/12/11	2024/12/10
5	Test Cable	EMCI	EMC105-SM-SM-7000	210117	2023/12/11	2024/12/10
6	EXA Spectrum Analyzer	keysight	N9010A	MY56480554	2023/9/12	2024/9/11
7	Pre-Amplifier	EMCI	EMC184045SE	980512	2023/12/11	2024/12/10
8	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	340	2024/6/27	2025/6/26
9	Test Cable	EMCI	EMC102-KM-KM-1000	220328	2023/12/11	2024/12/10
10	Test Cable	EMCI	EMC101G-KM-KM-3000	220330	2023/12/11	2024/12/10
11	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	10dbAttenuator	INMET	AHC-10dB	1	N/A	N/A
3	BTL-ConducredTest	N/A	1247788684	N/A	N/A	N/A

Maximum Output Power						
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	10dbAttenuator	INMET	AHC-10dB	1	N/A	N/A
3	BTL-ConducredTest	N/A	1247788684	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	10dbAttenuator	INMET	AHC-10dB	1	N/A	N/A
3	BTL-ConducredTest	N/A	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	10dbAttenuator	INMET	AHC-10dB	1	N/A	N/A
3	BTL-ConducredTest	N/A	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

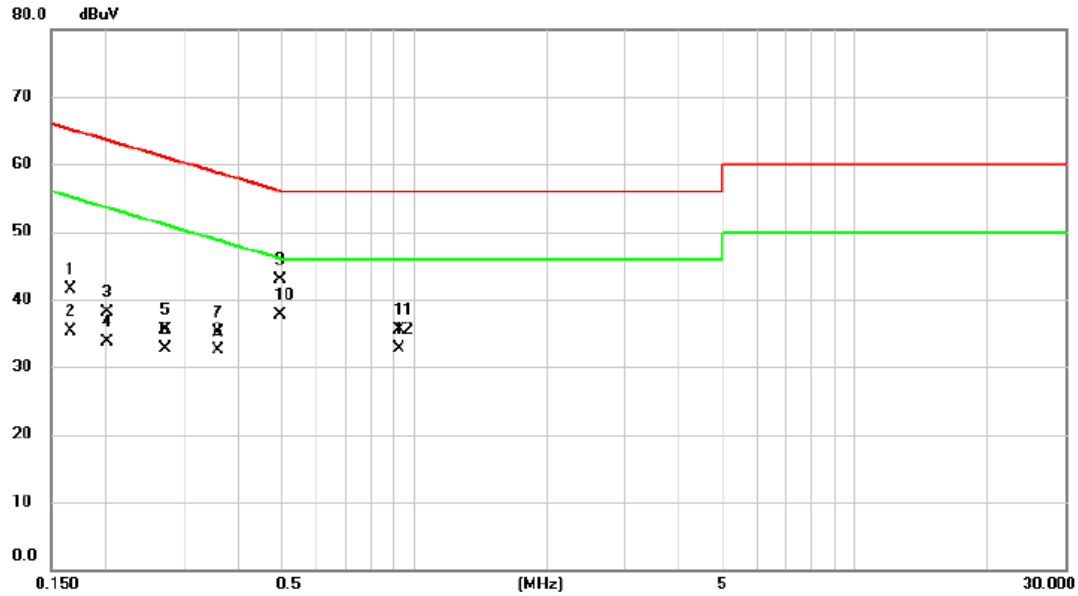
Please refer to document Appendix No.: TP-2404H026-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2404H026-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Test Date	2024/9/2
Test Frequency	-	Polarization	Line
Note	KA12C-0502000US		

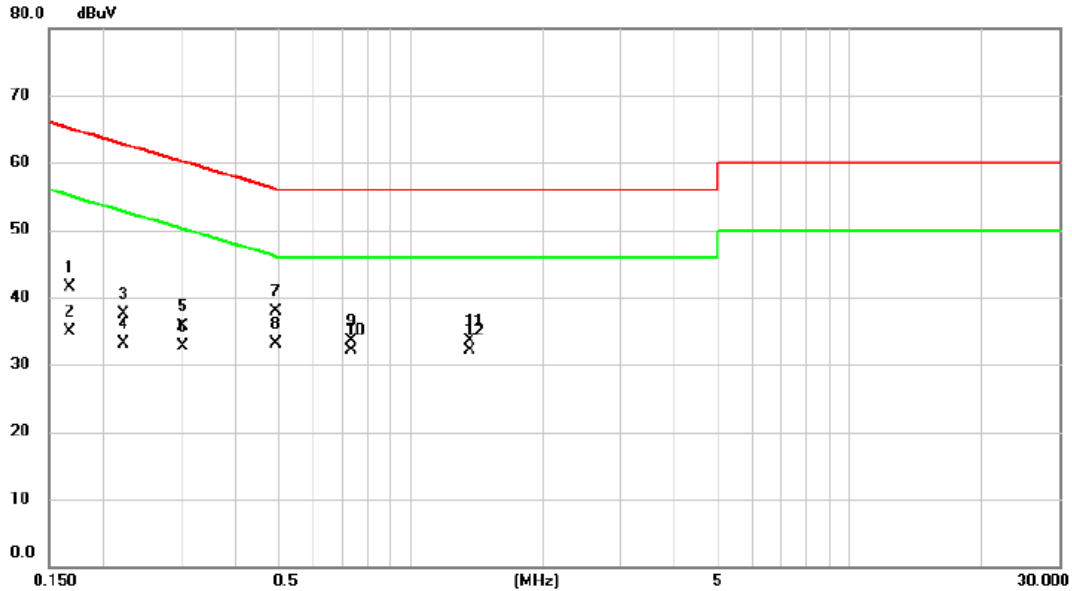


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1657	31.88	9.65	41.53	65.17	-23.64	QP	
2		0.1657	25.65	9.65	35.30	55.17	-19.87	AVG	
3		0.2007	28.41	9.64	38.05	63.58	-25.53	QP	
4		0.2007	24.03	9.64	33.67	53.58	-19.91	AVG	
5		0.2717	25.77	9.64	35.41	61.07	-25.66	QP	
6		0.2717	23.05	9.64	32.69	51.07	-18.38	AVG	
7		0.3586	25.43	9.65	35.08	58.76	-23.68	QP	
8		0.3586	22.90	9.65	32.55	48.76	-16.21	AVG	
9		0.4958	33.30	9.66	42.96	56.07	-13.11	QP	
10	*	0.4958	28.01	9.66	37.67	46.07	-8.40	AVG	
11		0.9275	25.78	9.69	35.47	56.00	-20.53	QP	
12		0.9275	22.97	9.69	32.66	46.00	-13.34	AVG	

REMARKS:

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

Test Mode	Normal	Test Date	2024/9/2
Test Frequency	-	Polarization	Neutral
Note	KA12C-0502000US		



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.1675	31.88	9.63	41.51	65.08	-23.57	QP	
2	0.1675	25.28	9.63	34.91	55.08	-20.17	AVG	
3	0.2221	27.82	9.63	37.45	62.74	-25.29	QP	
4	0.2221	23.40	9.63	33.03	52.74	-19.71	AVG	
5	0.3020	26.04	9.63	35.67	60.19	-24.52	QP	
6	0.3020	23.06	9.63	32.69	50.19	-17.50	AVG	
7	0.4923	28.32	9.64	37.96	56.13	-18.17	QP	
8 *	0.4923	23.44	9.64	33.08	46.13	-13.05	AVG	
9	0.7340	23.76	9.67	33.43	56.00	-22.57	QP	
10	0.7340	22.43	9.67	32.10	46.00	-13.90	AVG	
11	1.3685	23.72	9.72	33.44	56.00	-22.56	QP	
12	1.3685	22.39	9.72	32.11	46.00	-13.89	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	2024/8/23
Test Frequency	CH01: 2412 MHz	Polarization	Vertical

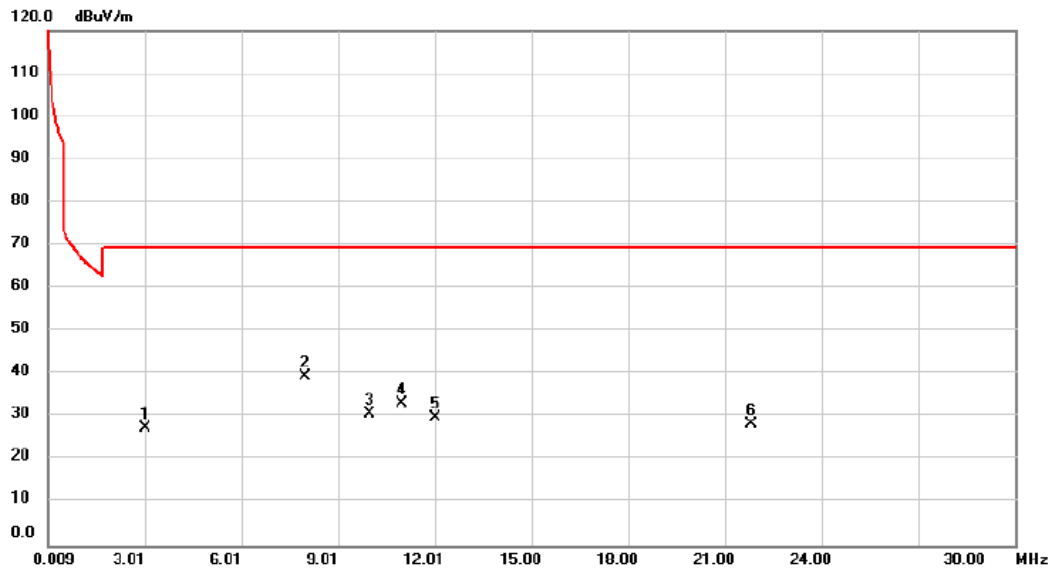


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	*	0.9987	47.76	-0.84	46.92	67.61	-20.69	peak			
2		3.0081	43.85	-5.03	38.82	69.54	-30.72	peak			
3		6.0071	37.82	-4.15	33.67	69.54	-35.87	peak			
4		7.9866	50.02	-3.79	46.23	69.54	-23.31	peak			
5		10.9857	47.31	-4.21	43.10	69.54	-26.44	peak			
6		21.6924	38.26	-5.53	32.73	69.54	-36.81	peak			

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2024/8/23
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal

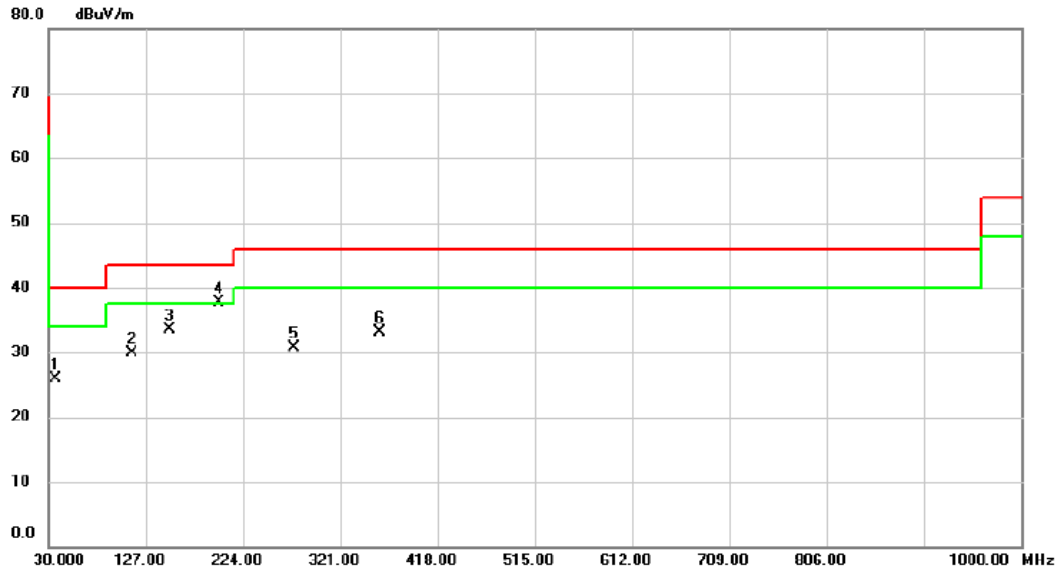


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		3.0081	32.45	-5.03	27.42	69.54	-42.12	peak		
2	*	7.9866	43.26	-3.79	39.47	69.54	-30.07	peak		
3		9.9960	34.88	-4.13	30.75	69.54	-38.79	peak		
4		10.9857	37.30	-4.21	33.09	69.54	-36.45	peak		
5		12.0054	34.05	-4.11	29.94	69.54	-39.60	peak		
6		21.8125	33.96	-5.63	28.33	69.54	-41.21	peak		

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2024/9/2
Test Frequency	CH01: 2412 MHz	Polarization	Vertical
Note	KA12C-0502000US		

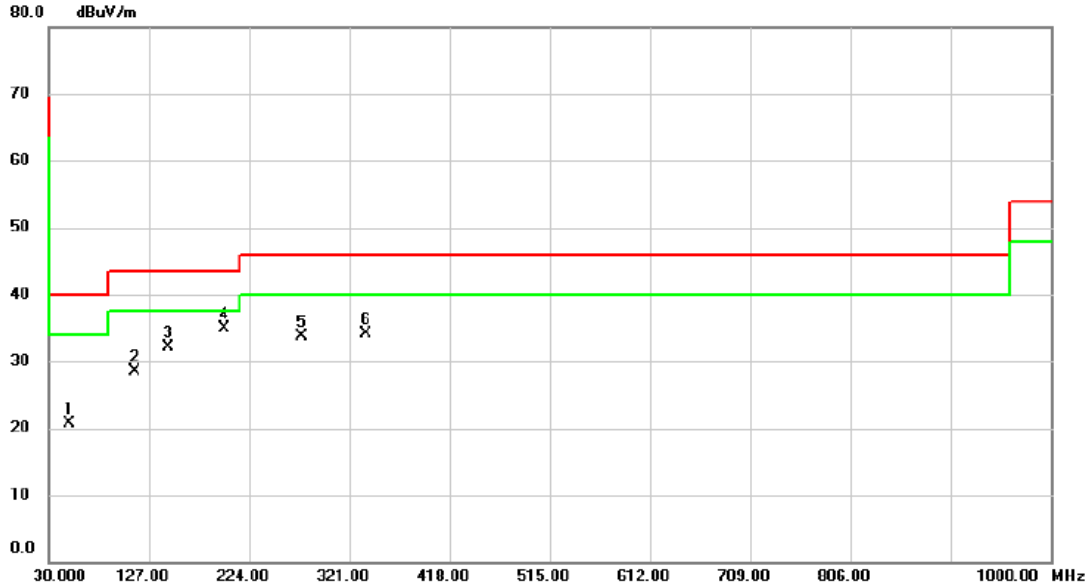


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		36.7900	39.02	-13.04	25.98	40.00	-14.02	peak	
2		113.4200	44.45	-14.53	29.92	43.50	-13.58	peak	
3		150.2800	44.57	-11.12	33.45	43.50	-10.05	peak	
4	*	199.7500	51.90	-14.22	37.68	43.50	-5.82	peak	
5		275.4100	41.72	-11.00	30.72	46.00	-15.28	peak	
6		359.8000	41.70	-8.64	33.06	46.00	-12.94	peak	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2024/9/2
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal
Note	KA12C-0502000US		



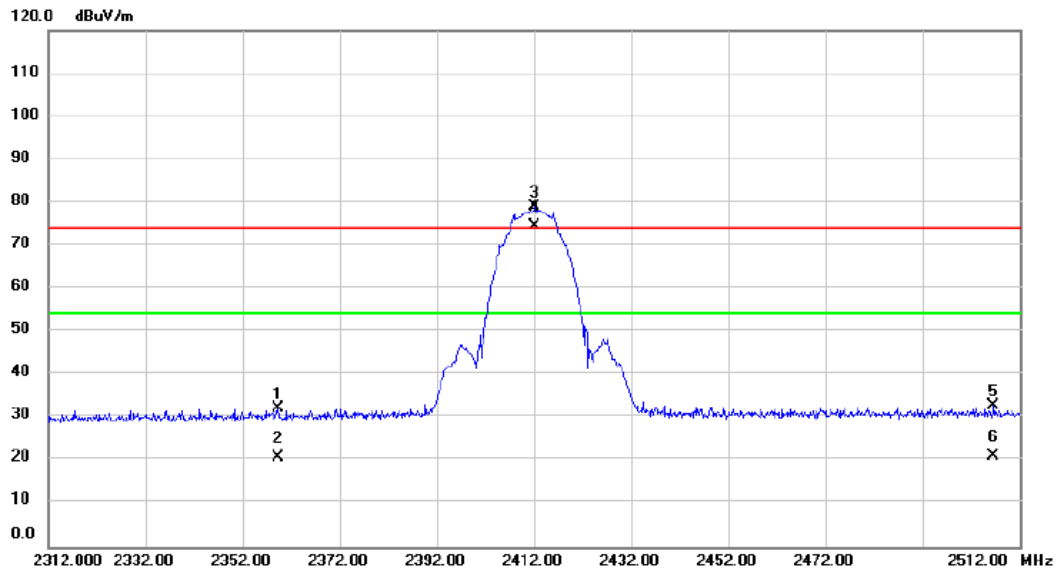
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	49.4000	32.09	-11.42	20.67	40.00	-19.33	peak	
2	113.4200	43.12	-14.53	28.59	43.50	-14.91	peak	
3	145.4300	43.57	-11.51	32.06	43.50	-11.44	peak	
4 *	199.7500	49.19	-14.22	34.97	43.50	-8.53	peak	
5	275.4100	44.66	-11.00	33.66	46.00	-12.34	peak	
6	337.4900	43.36	-9.25	34.11	46.00	-11.89	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	2024/8/16
Test Frequency	2412 MHz	Polarization	Horizontal



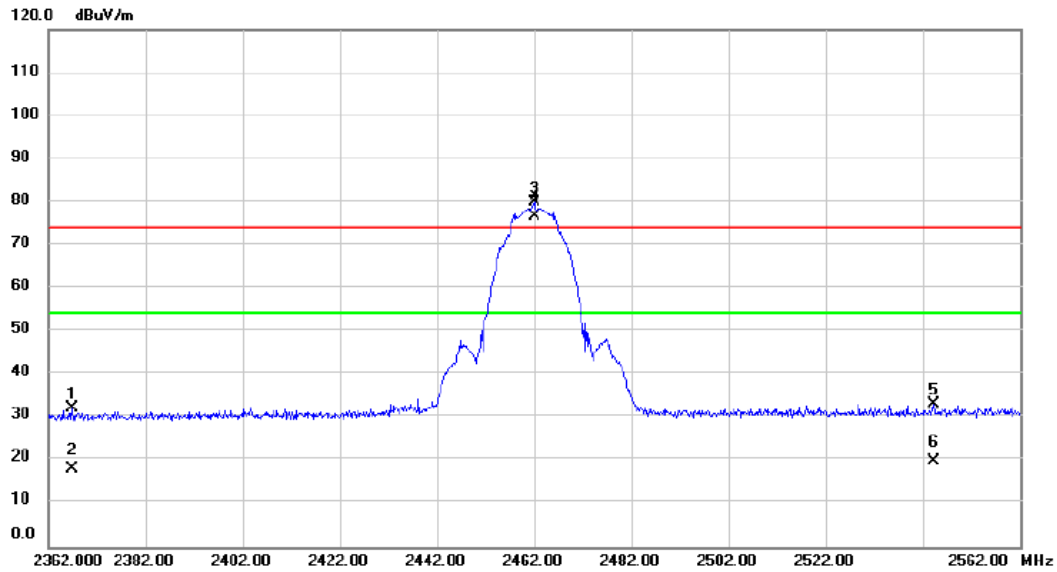
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		2359.400	38.38	-6.18	32.20	74.00	-41.80	peak			
2		2359.400	27.18	-6.18	21.00	54.00	-33.00	AVG			
3	X	2412.200	85.13	-6.07	79.06	74.00	5.06	peak			No Limit
4	*	2412.200	80.75	-6.07	74.68	54.00	20.68	AVG			No Limit
5		2506.600	38.78	-5.85	32.93	74.00	-41.07	peak			
6		2506.600	27.08	-5.85	21.23	54.00	-32.77	AVG			

REMARKS:

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

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

Test Mode	IEEE 802.11b	Test Date	2024/8/16
Test Frequency	2462 MHz	Polarization	Horizontal

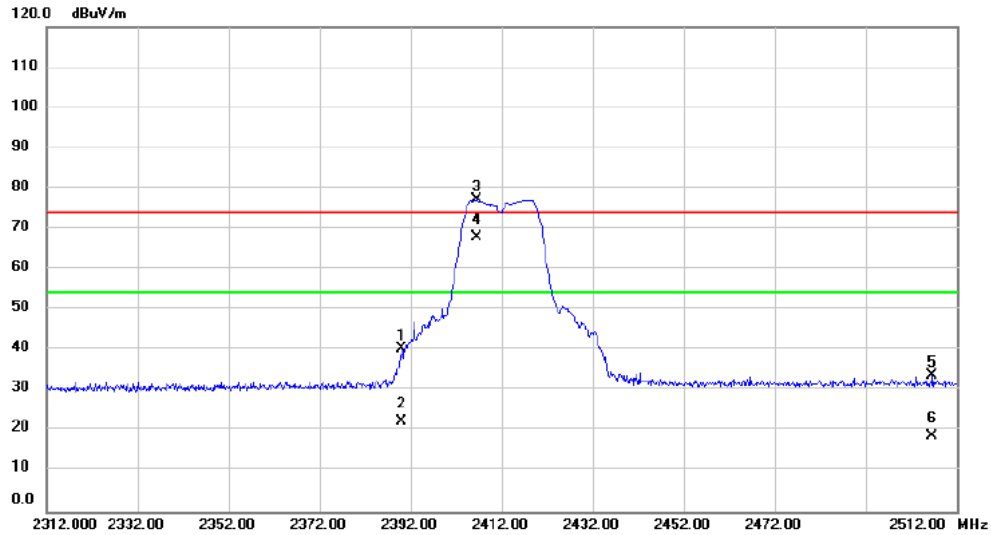


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2366.800	38.28	-6.17	32.11	74.00	-41.89	peak		
2		2366.800	24.35	-6.17	18.18	54.00	-35.82	AVG		
3	X	2462.000	86.00	-5.97	80.03	74.00	6.03	peak		No Limit
4	*	2462.000	82.69	-5.97	76.72	54.00	22.72	AVG		No Limit
5		2544.200	38.82	-5.70	33.12	74.00	-40.88	peak		
6		2544.200	25.65	-5.70	19.95	54.00	-34.05	AVG		

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2024/8/26
Test Frequency	2412 MHz	Polarization	Horizontal

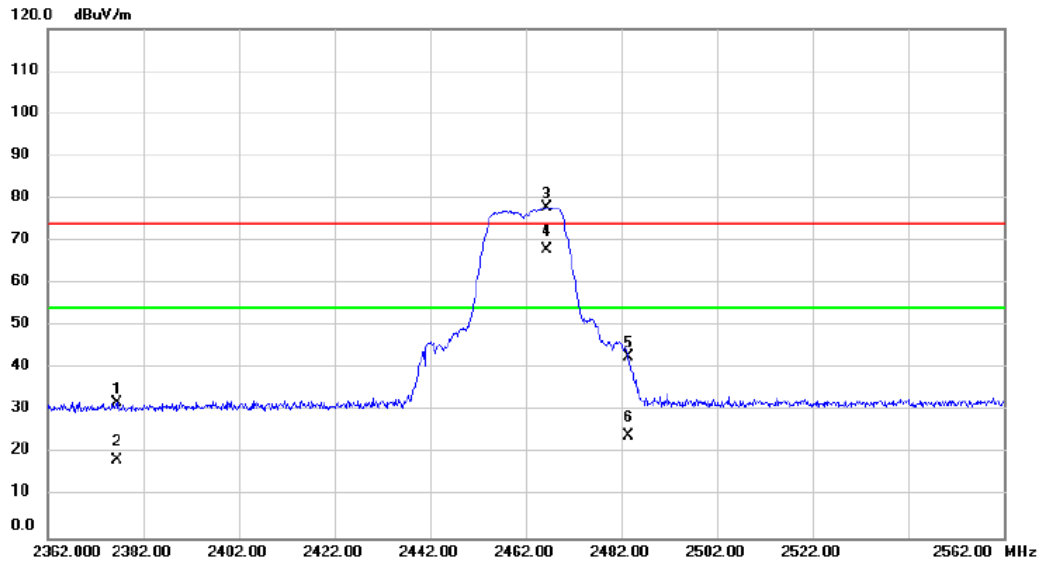


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2390.000	46.55	-6.12	40.43	74.00	-33.57	peak		
2		2390.000	28.33	-6.12	22.21	54.00	-31.79	AVG		
3	X	2406.400	83.19	-6.08	77.11	74.00	3.11	peak		No Limit
4	*	2406.400	74.04	-6.08	67.96	54.00	13.96	AVG		No Limit
5		2506.600	39.61	-5.85	33.76	74.00	-40.24	peak		
6		2506.600	24.60	-5.85	18.75	54.00	-35.25	AVG		

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2024/8/26
Test Frequency	2462 MHz	Polarization	Horizontal



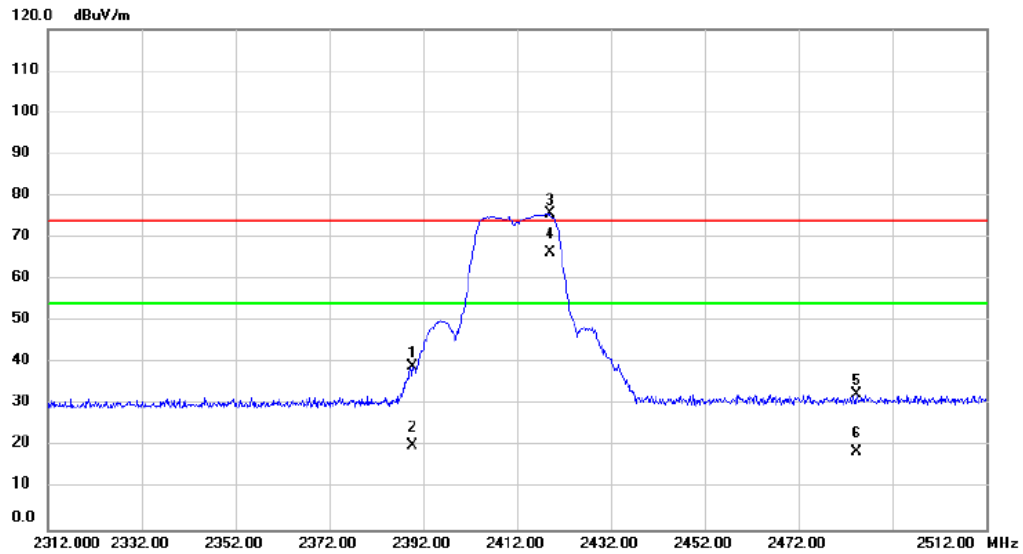
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Detector	Comment
1		2376.600	38.16	-6.15	32.01	74.00	-41.99			peak	
2		2376.600	24.48	-6.15	18.33	54.00	-35.67			AVG	
3	X	2466.400	83.91	-5.95	77.96	74.00	3.96			peak	No Limit
4	*	2466.400	73.80	-5.95	67.85	54.00	13.85			AVG	No Limit
5		2483.600	48.74	-5.92	42.82	74.00	-31.18			peak	
6		2483.600	30.16	-5.92	24.24	54.00	-29.76			AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/8/16
Test Frequency	2412 MHz	Polarization	Horizontal

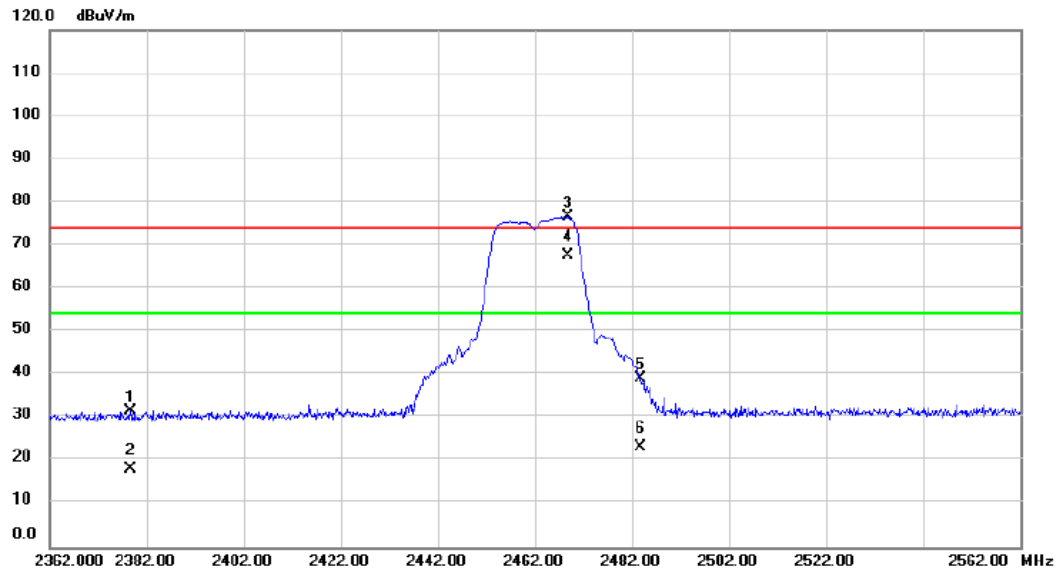


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		2389.800	45.41	-6.12	39.29	74.00	-34.71	peak		
2		2389.800	26.42	-6.12	20.30	54.00	-33.70	AVG		
3	X	2419.000	81.77	-6.06	75.71	74.00	1.71	peak		No Limit
4	*	2419.000	72.46	-6.06	66.40	54.00	12.40	AVG		No Limit
5		2484.400	38.43	-5.91	32.52	74.00	-41.48	peak		
6		2484.400	24.64	-5.91	18.73	54.00	-35.27	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/8/16
Test Frequency	2462 MHz	Polarization	Horizontal

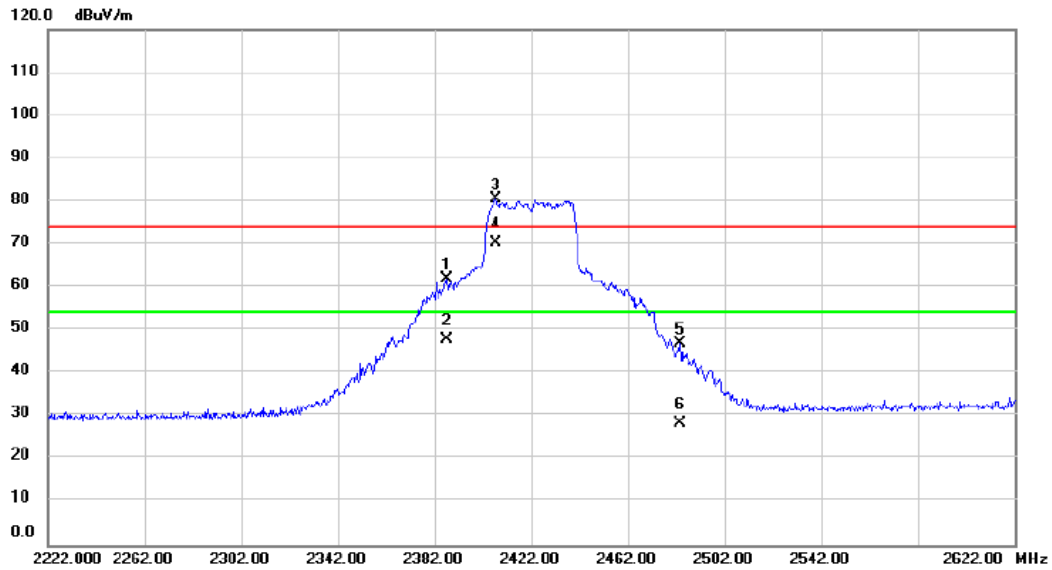


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Detector	Comment
1		2378.600	37.82	-6.15	31.67	74.00	-42.33			peak	
2		2378.600	24.39	-6.15	18.24	54.00	-35.76			AVG	
3	X	2468.800	82.64	-5.95	76.69	74.00	2.69			peak	No Limit
4	*	2468.800	73.49	-5.95	67.54	54.00	13.54			AVG	No Limit
5		2483.800	45.19	-5.92	39.27	74.00	-34.73			peak	
6		2483.800	29.07	-5.92	23.15	54.00	-30.85			AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/8/27
Test Frequency	2422 MHz	Polarization	Horizontal

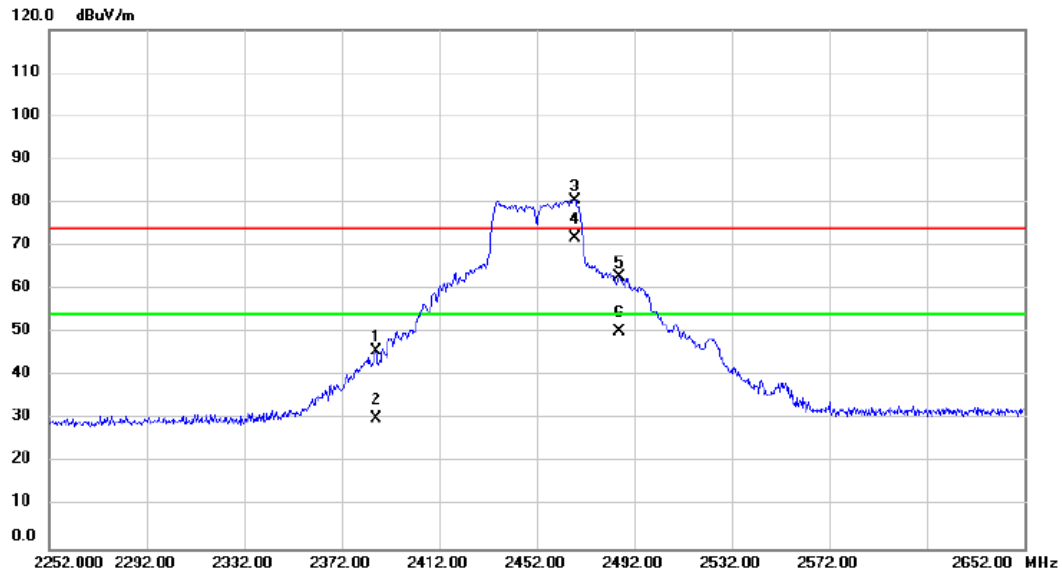


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		2386.800	68.08	-6.13	61.95	74.00	-12.05	peak			
2		2386.800	54.05	-6.13	47.92	54.00	-6.08	AVG			
3	X	2407.200	86.62	-6.08	80.54	74.00	6.54	peak			No Limit
4	*	2407.200	76.50	-6.08	70.42	54.00	16.42	AVG			No Limit
5		2483.600	52.73	-5.92	46.81	74.00	-27.19	peak			
6		2483.600	34.37	-5.92	28.45	54.00	-25.55	AVG			

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/8/16
Test Frequency	2452 MHz	Polarization	Horizontal



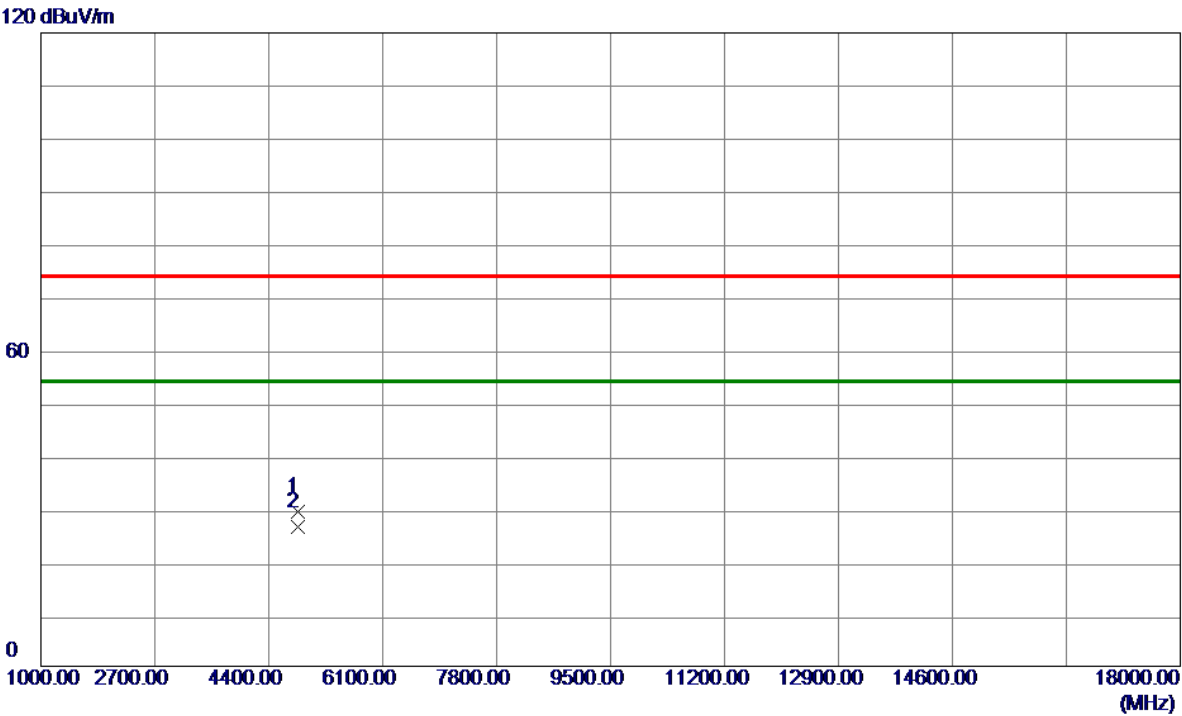
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		2386.000	51.74	-6.13	45.61	74.00	-28.39	peak			
2		2386.000	36.18	-6.13	30.05	54.00	-23.95	AVG			
3	X	2467.600	86.64	-5.95	80.69	74.00	6.69	peak			No Limit
4	*	2467.600	77.69	-5.95	71.74	54.00	17.74	AVG			No Limit
5		2486.000	68.75	-5.91	62.84	74.00	-11.16	peak			
6		2486.000	56.16	-5.91	50.25	54.00	-3.75	AVG			

REMARKS:

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

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

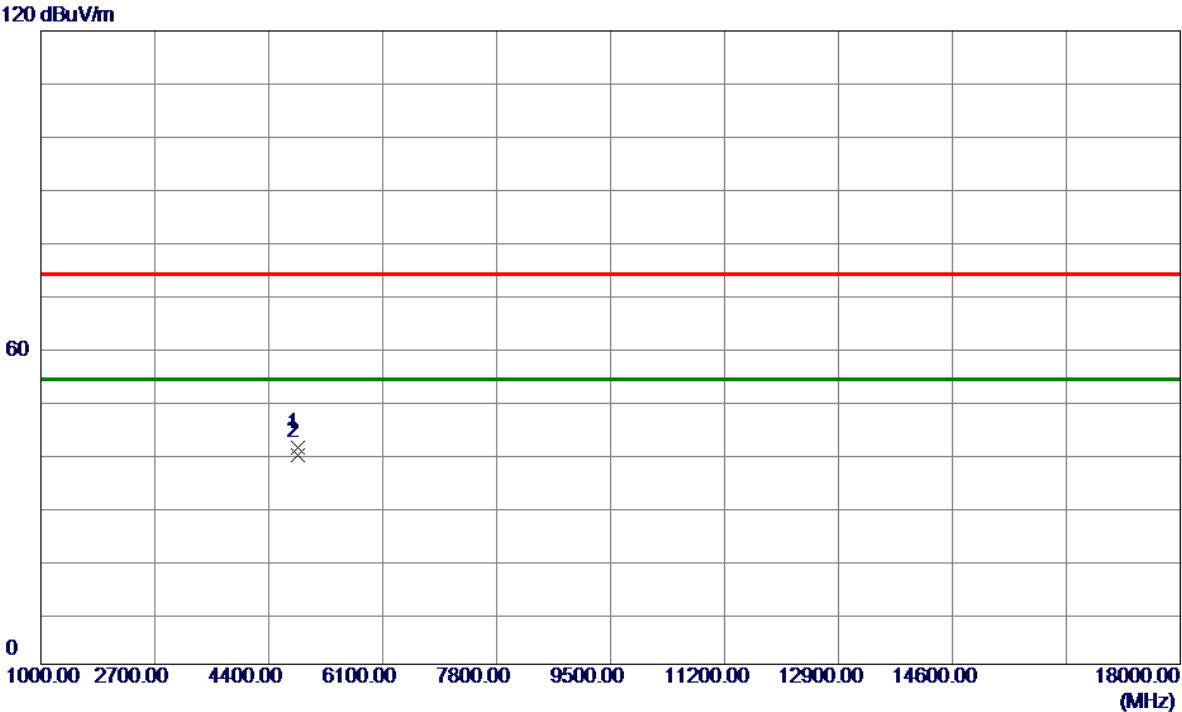
Test Mode	IEEE 802.11b	Test Date	2024/8/26
Test Frequency	CH01: 2412 MHz	Polarization	Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4825.0000	37.87	-8.56	29.31	74.00	-44.69	Peak	
2 *	4825.0000	35.06	-8.56	26.50	54.00	-27.50	AVG	

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

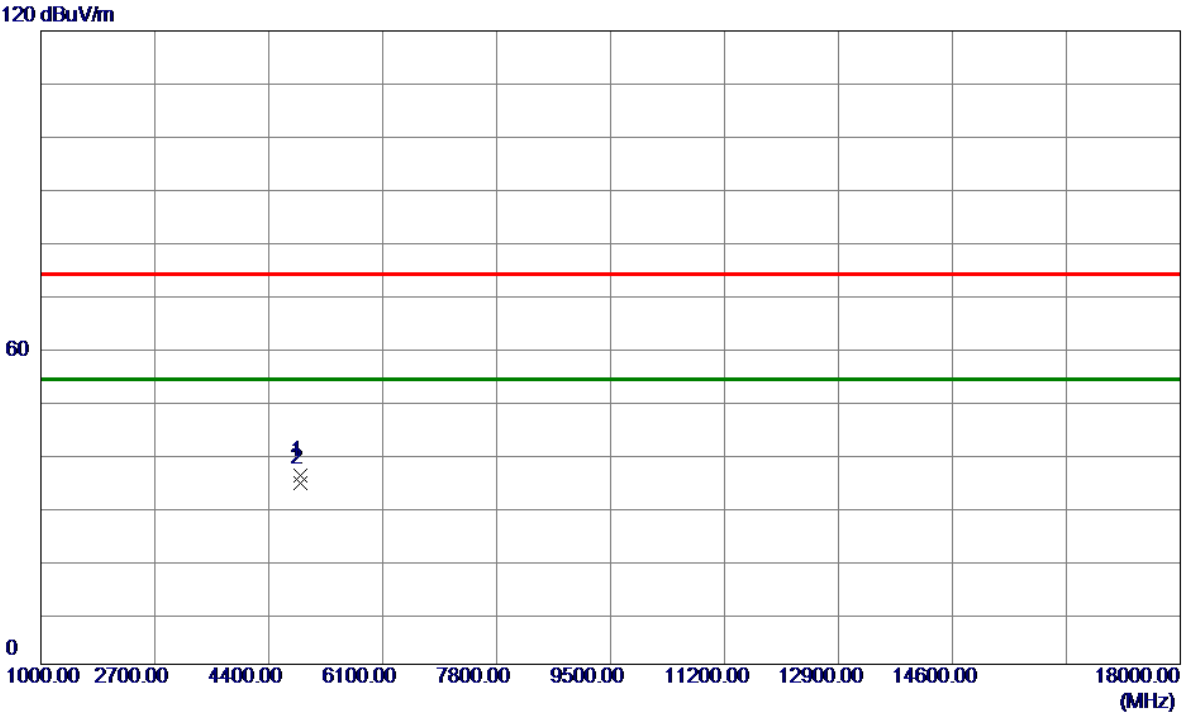
Test Mode	IEEE 802.11b	Test Mode	2024/8/26
Test Frequency	CH01: 2412 MHz	Test Frequency	Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4825.0000	49.66	-8.56	41.10	74.00	-32.90	Peak	
2 *	4825.0000	48.04	-8.56	39.48	54.00	-14.52	AVG	

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

Test Mode	IEEE 802.11b	Test Date	2024/8/26
Test Frequency	CH06: 2437 MHz	Polarization	Vertical

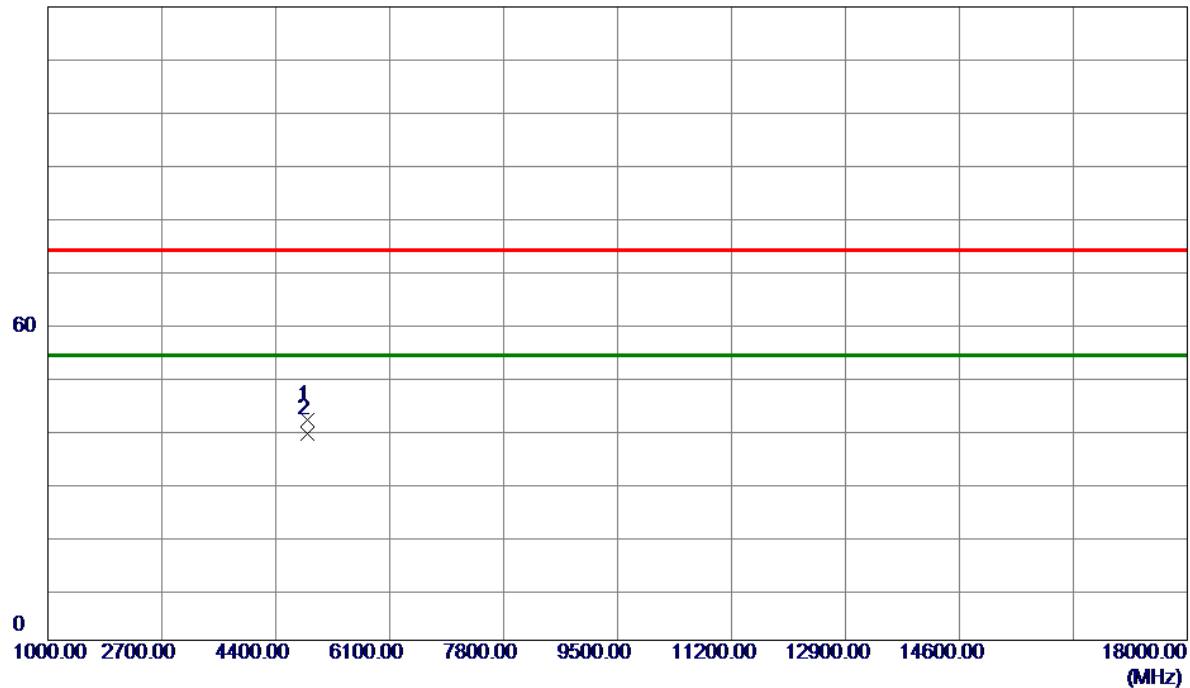


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4876.0000	44.28	-8.44	35.84	74.00	-38.16	Peak	
2 *	4876.0000	42.75	-8.44	34.31	54.00	-19.69	AVG	

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

Test Mode	IEEE 802.11b	Test Date	2024/8/26
Test Frequency	CH06: 2437 MHz	Polarization	Horizontal

120 dBuV/m

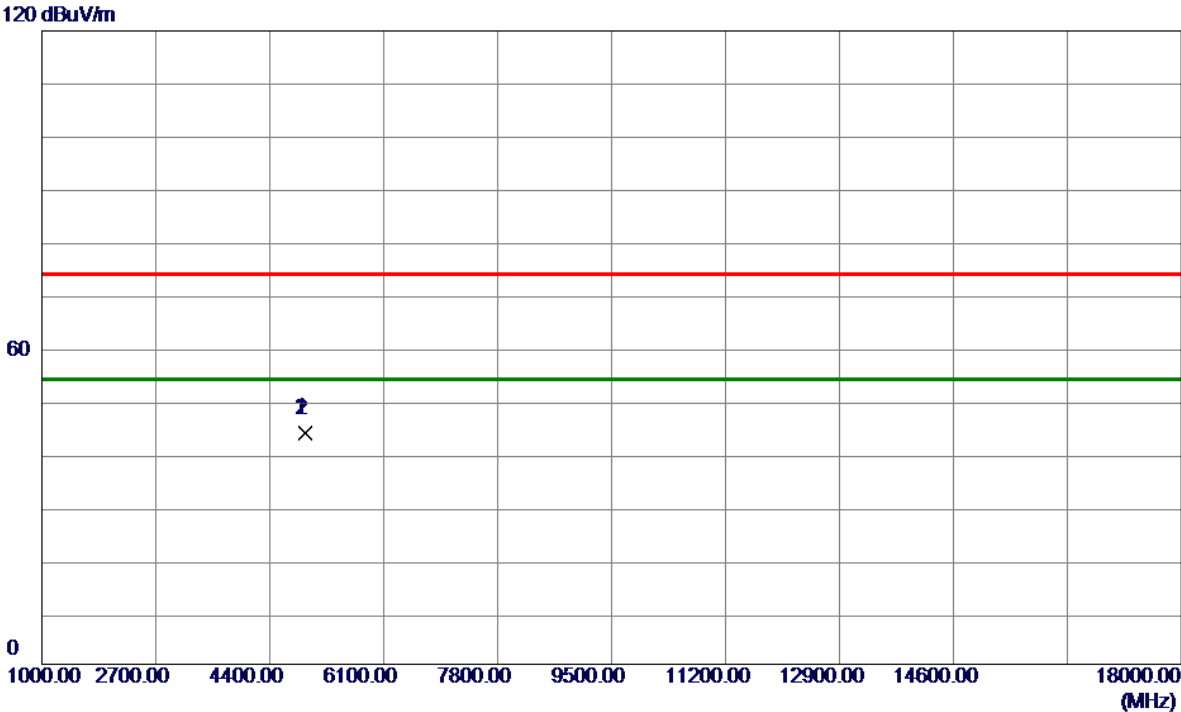


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4876.0000	50.24	-8.44	41.80	74.00	-32.20	Peak	
2 *	4876.0000	47.65	-8.44	39.21	54.00	-14.79	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2024/8/26
Test Frequency	CH11: 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	4927.0000	52.28	-8.31	43.97	74.00	-30.03	Peak	
2 *	4927.0000	51.97	-8.31	43.66	54.00	-10.34	AVG	

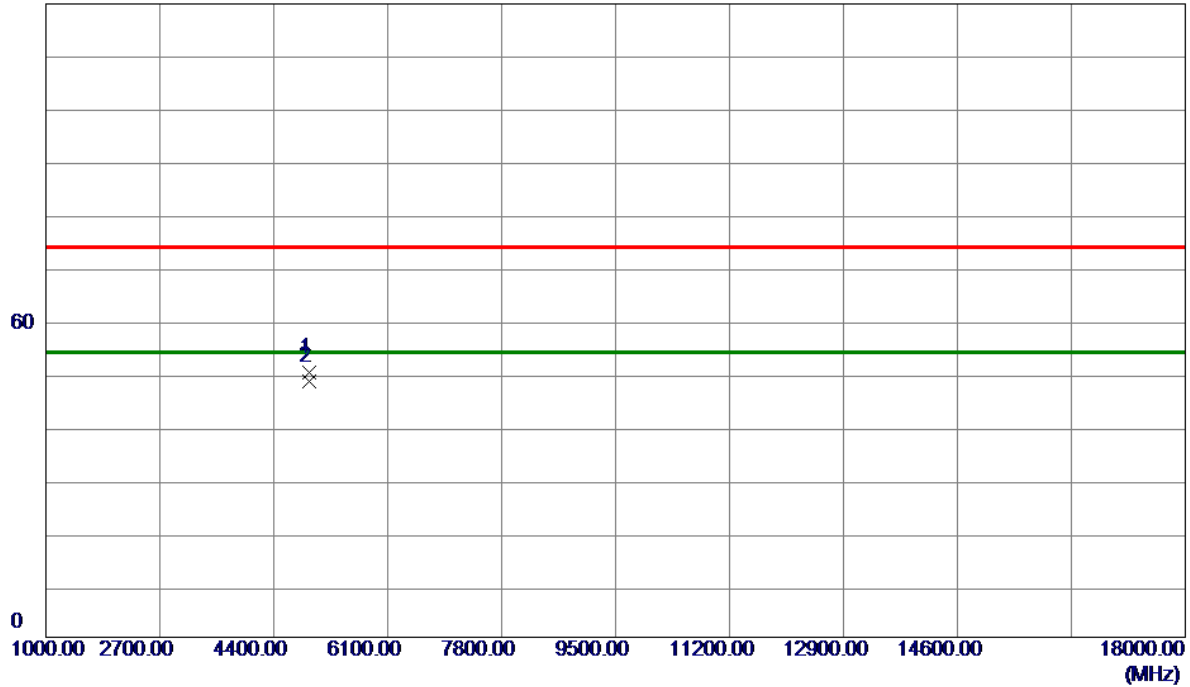
REMARKS:

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

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

Test Mode	IEEE 802.11b	Test Date	2024/8/26
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal

120 dBuV/m



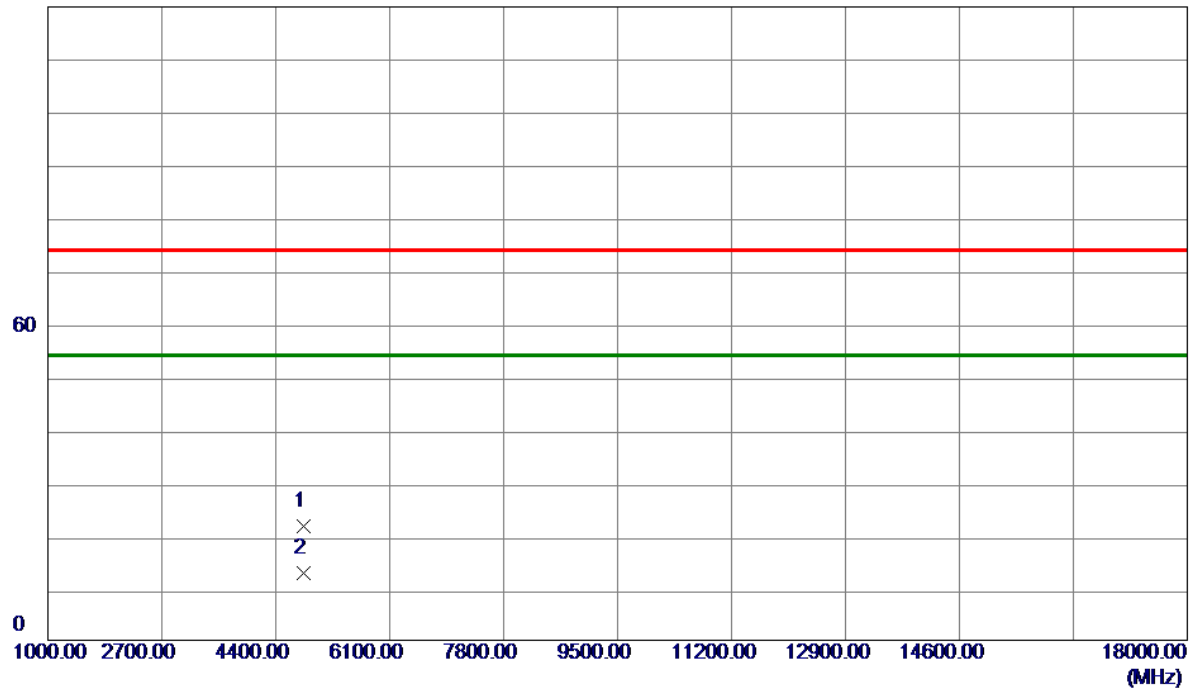
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4927.0000	58.58	-8.31	50.27	74.00	-23.73	Peak	
2 *	4927.0000	56.72	-8.31	48.41	54.00	-5.59	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2024/8/26
Test Frequency	CH01: 2412 MHz	Polarization	Vertical

120 dBuV/m



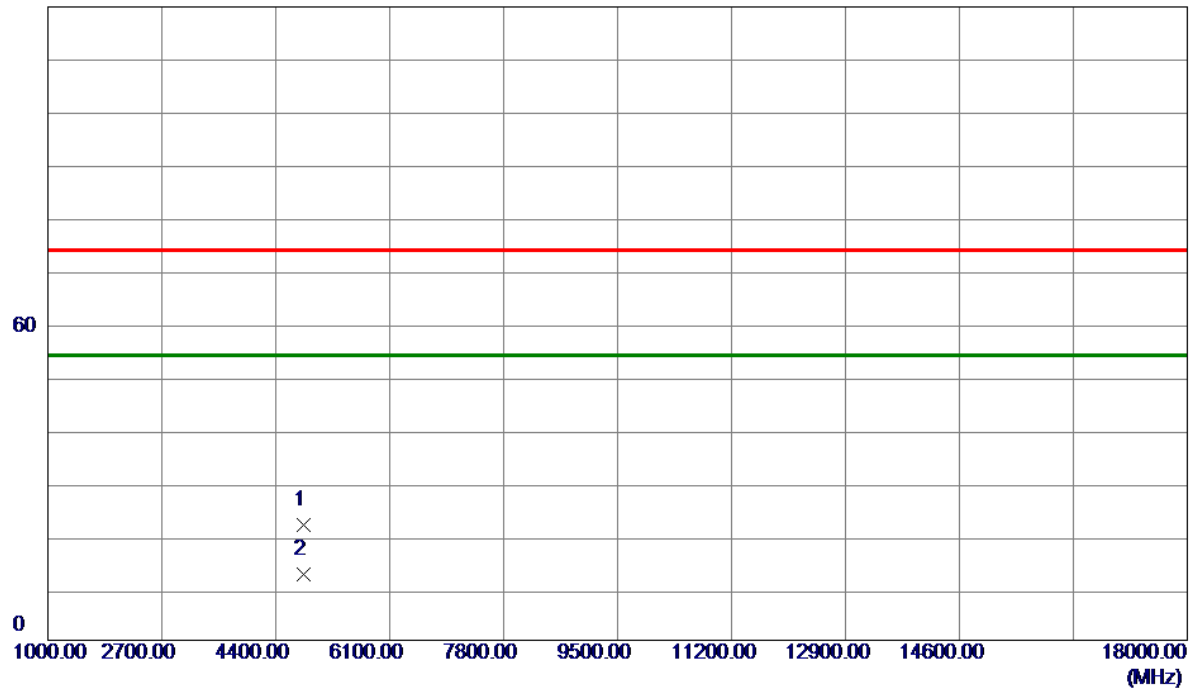
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.0000	30.08	-8.57	21.51	74.00	-52.49	Peak	
2 *	4824.0000	21.37	-8.57	12.80	54.00	-41.20	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2024/8/26
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal

120 dBuV/m



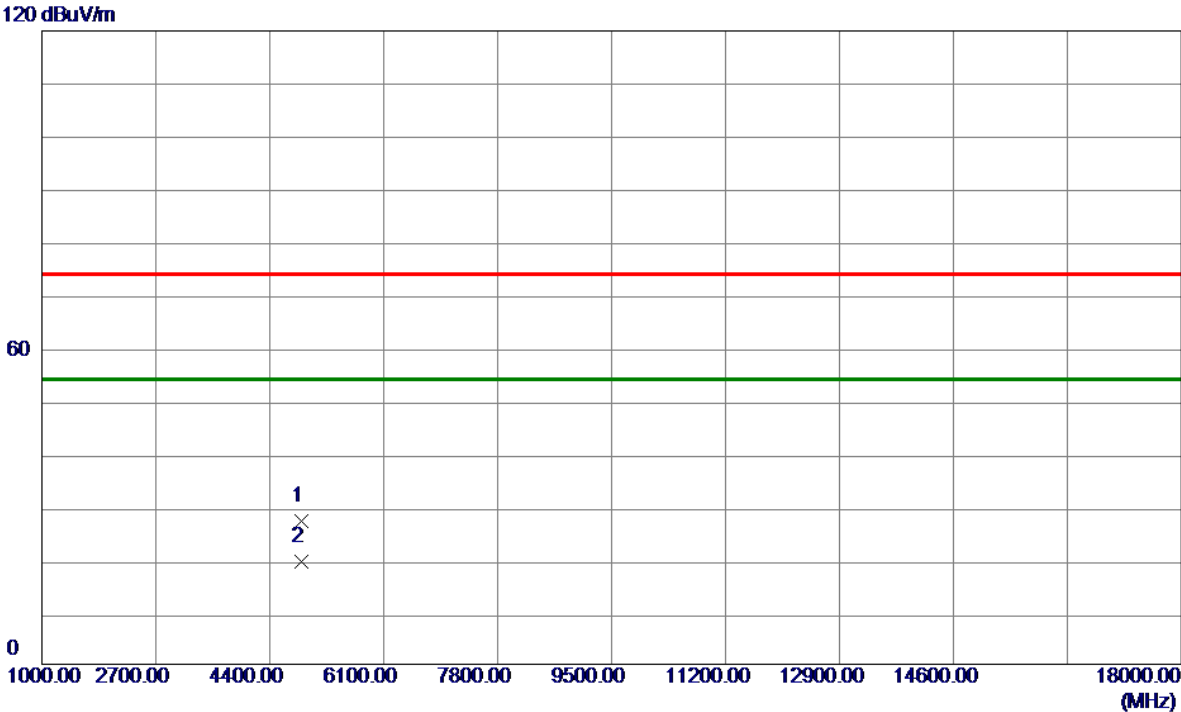
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.0000	30.50	-8.57	21.93	74.00	-52.07	Peak	
2 *	4824.0000	20.97	-8.57	12.40	54.00	-41.60	AVG	

REMARKS:

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

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

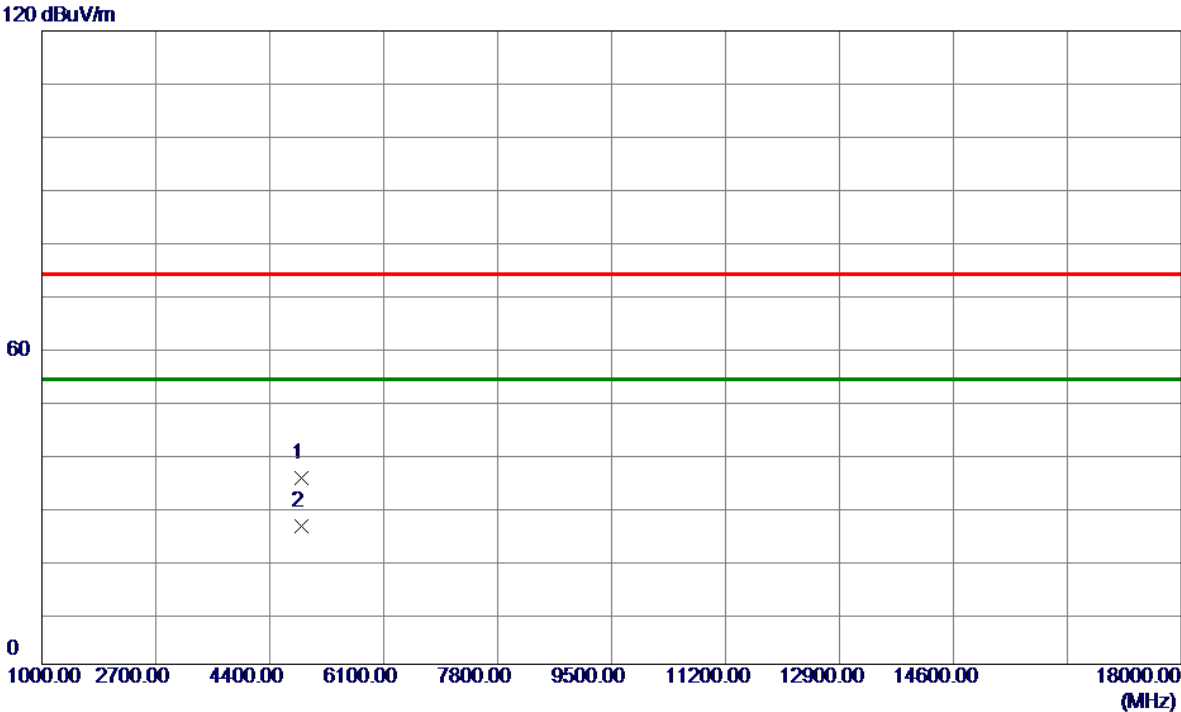
Test Mode	IEEE 802.11g	Test Date	2024/8/26
Test Frequency	CH06: 2437 MHz	Polarization	Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0000	35.60	-8.44	27.16	74.00	-46.84	Peak	
2 *	4874.0000	27.96	-8.44	19.52	54.00	-34.48	AVG	

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

Test Mode	IEEE 802.11g	Test Date	2024/8/26
Test Frequency	CH06: 2437 MHz	Polarization	Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4876.0000	43.77	-8.44	35.33	74.00	-38.67	Peak	
2 *	4876.0000	34.66	-8.44	26.22	54.00	-27.78	AVG	

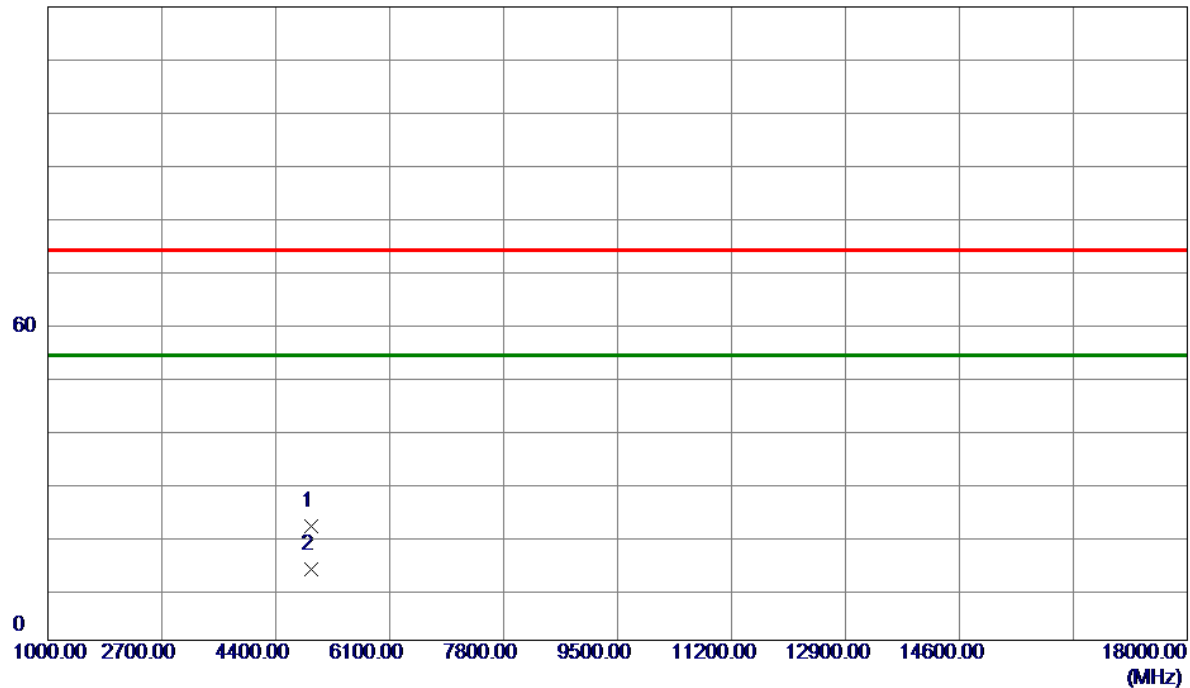
REMARKS:

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

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

Test Mode	IEEE 802.11g	Test Date	2024/8/26
Test Frequency	CH11: 2462 MHz	Polarization	Vertical

120 dBuV/m

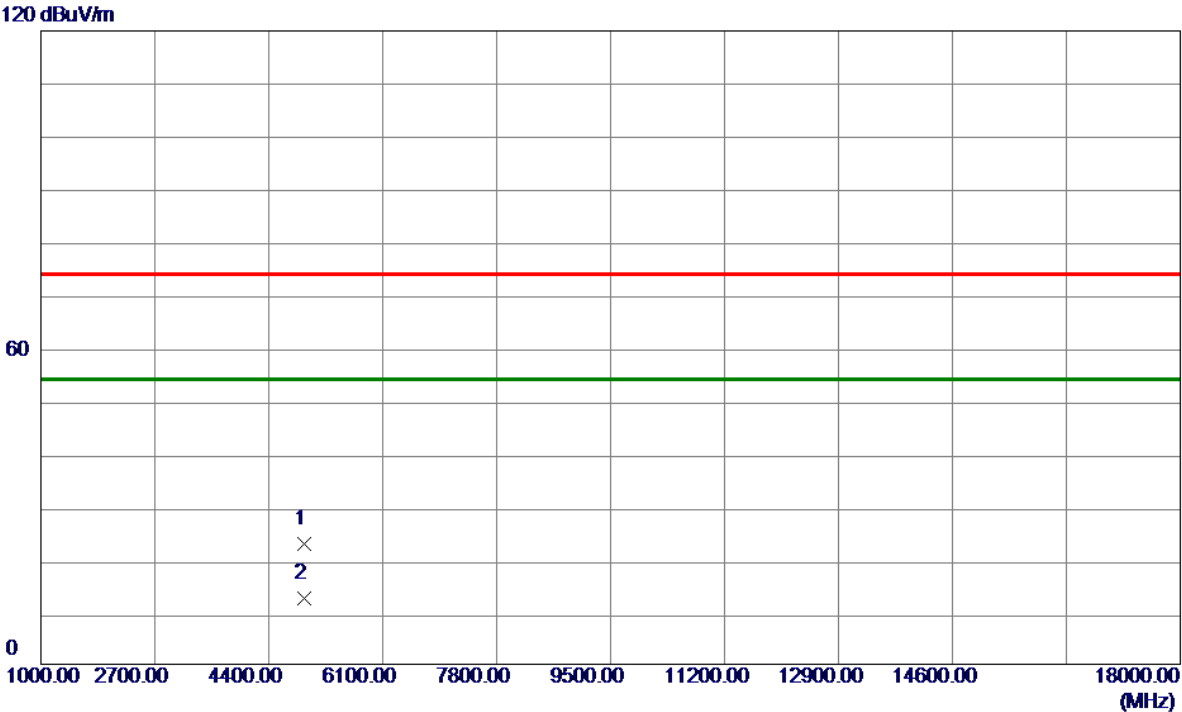


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.0000	29.88	-8.32	21.56	74.00	-52.44	Peak	
2 *	4924.0000	21.86	-8.32	13.54	54.00	-40.46	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2024/8/26
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal

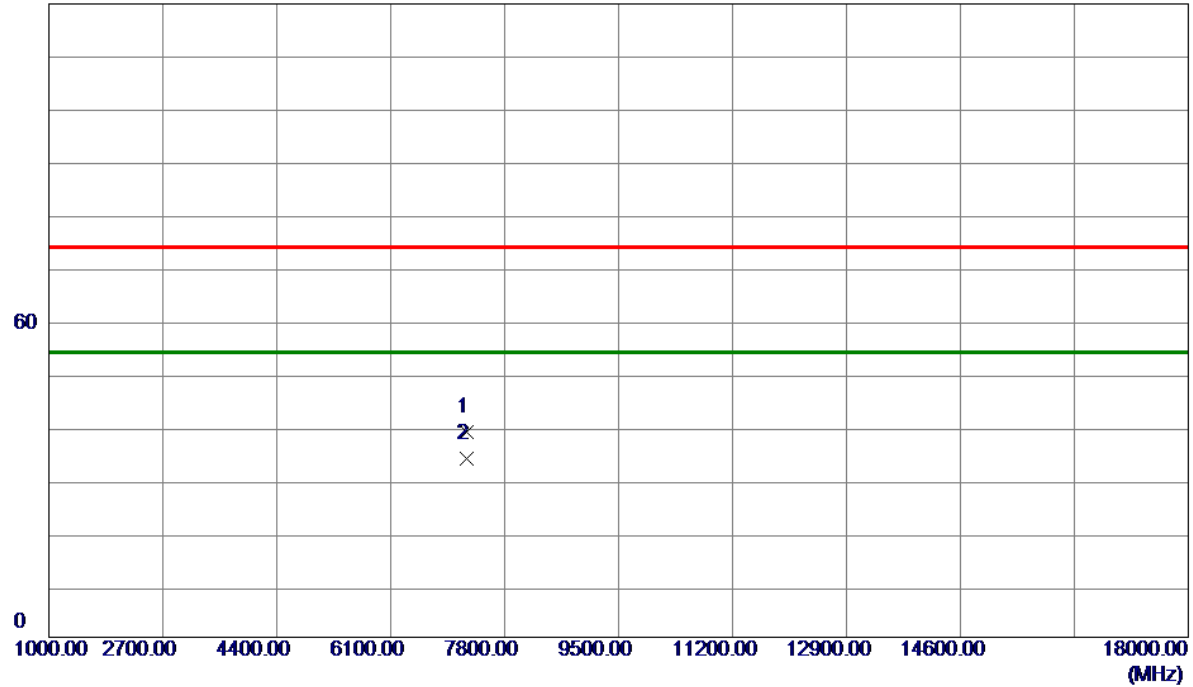


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.0000	31.05	-8.32	22.73	74.00	-51.27	Peak	
2 *	4924.0000	20.83	-8.32	12.51	54.00	-41.49	AVG	

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/8/26
Test Frequency	CH01: 2412 MHz	Polarization	Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7239.0000	42.43	-3.64	38.79	74.00	-35.21	Peak	
2 *	7239.0000	37.43	-3.64	33.79	54.00	-20.21	AVG	

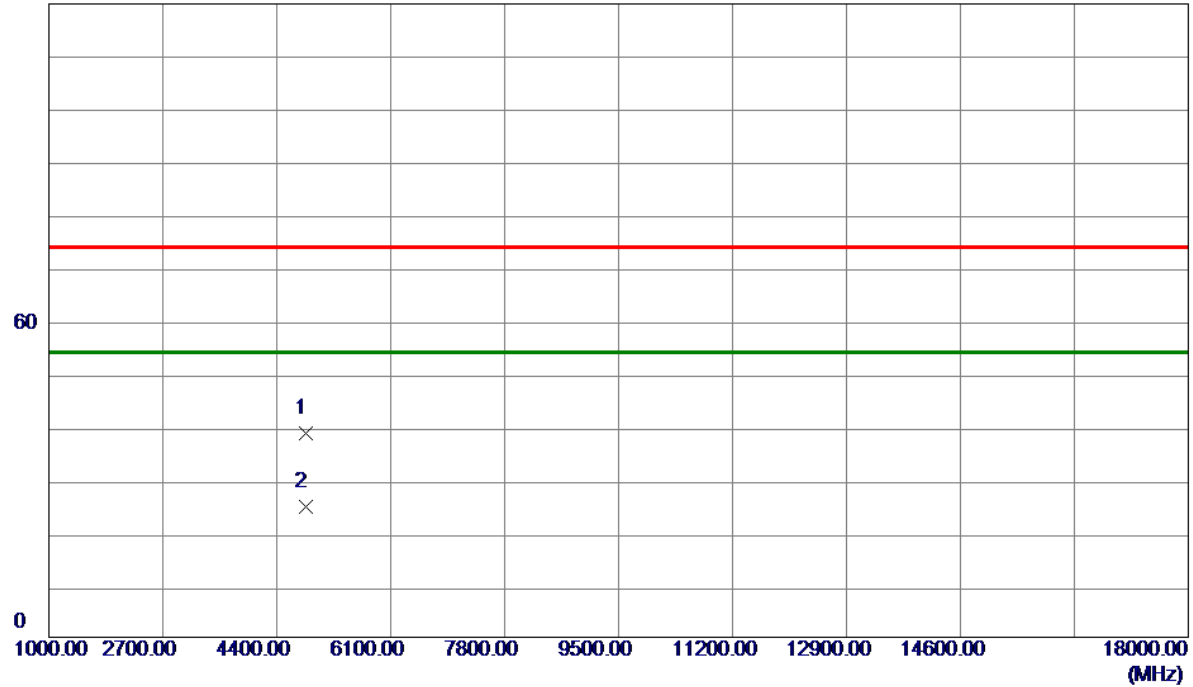
REMARKS:

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

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/8/26
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal

120 dBuV/m

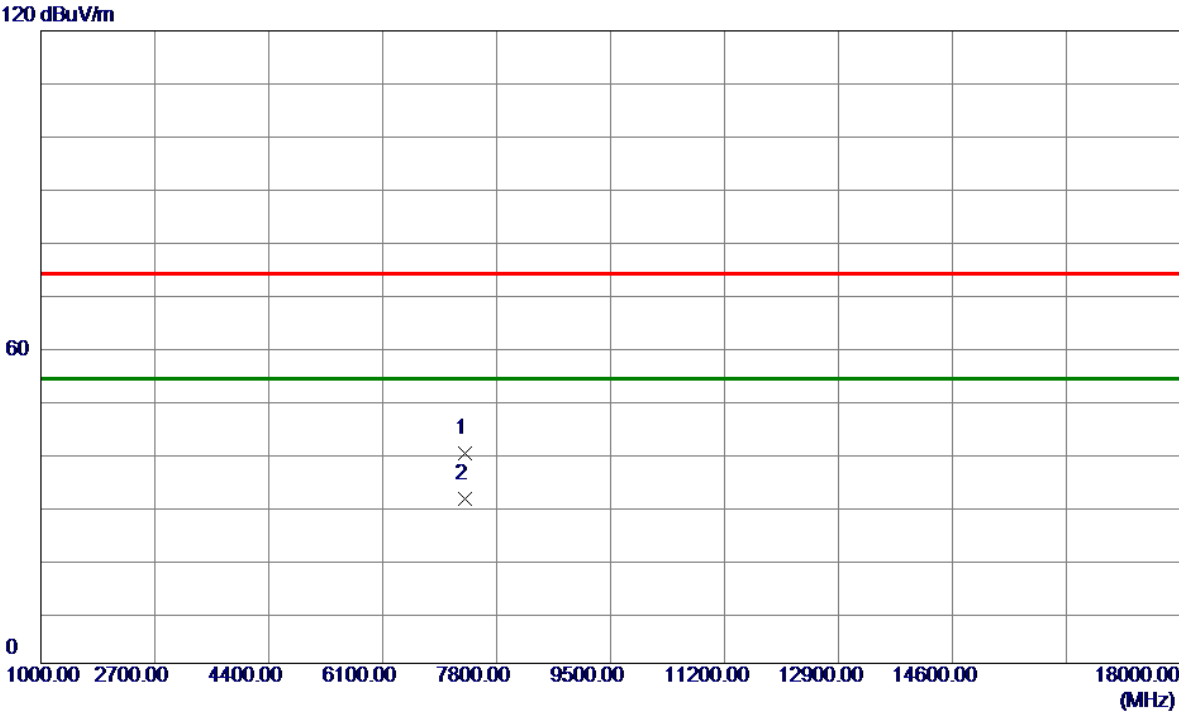


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4825.0000	47.28	-8.56	38.72	74.00	-35.28	Peak	
2 *	4825.0000	33.22	-8.56	24.66	54.00	-29.34	AVG	

REMARKS:

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

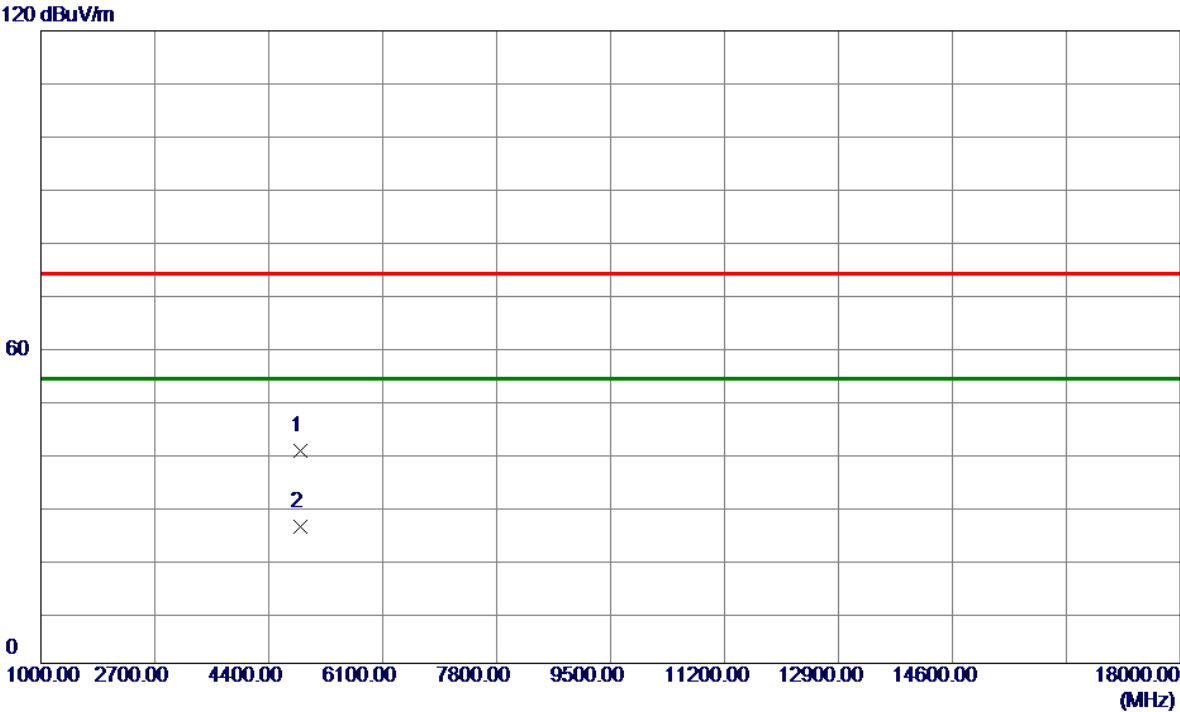
Test Mode	IEEE 802.11n (HT20)	Test Date	2024/8/26
Test Frequency	CH06: 2437 MHz	Polarization	Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7324.0000	43.30	-3.47	39.83	74.00	-34.17	Peak	
2 *	7324.0000	34.58	-3.47	31.11	54.00	-22.89	AVG	

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/8/26
Test Frequency	CH06: 2437 MHz	Polarization	Horizontal

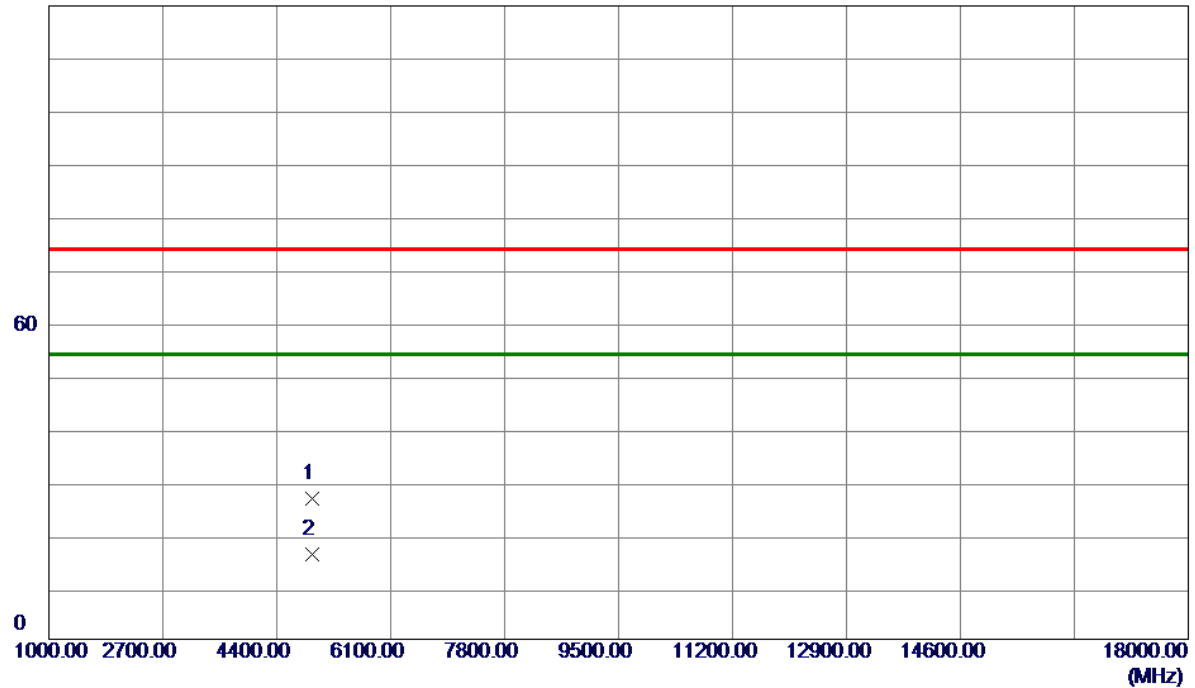


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4876.0000	48.73	-8.44	40.29	74.00	-33.71	Peak	
2 *	4876.0000	34.47	-8.44	26.03	54.00	-27.97	AVG	

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/8/26
Test Frequency	CH11: 2462 MHz	Polarization	Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.0000	34.93	-8.32	26.61	74.00	-47.39	Peak	
2 *	4924.0000	24.34	-8.32	16.02	54.00	-37.98	AVG	

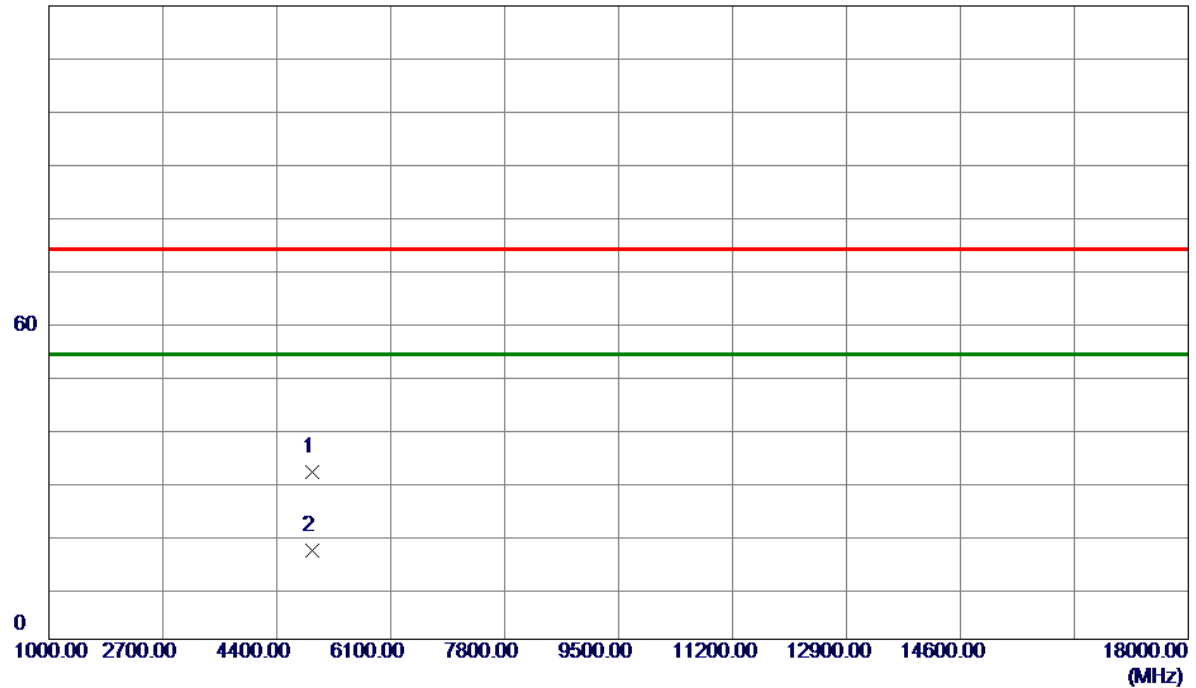
REMARKS:

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

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/8/26
Test Frequency	CH11: 2462 MHz	Polarization	Horizontal

120 dBuV/m

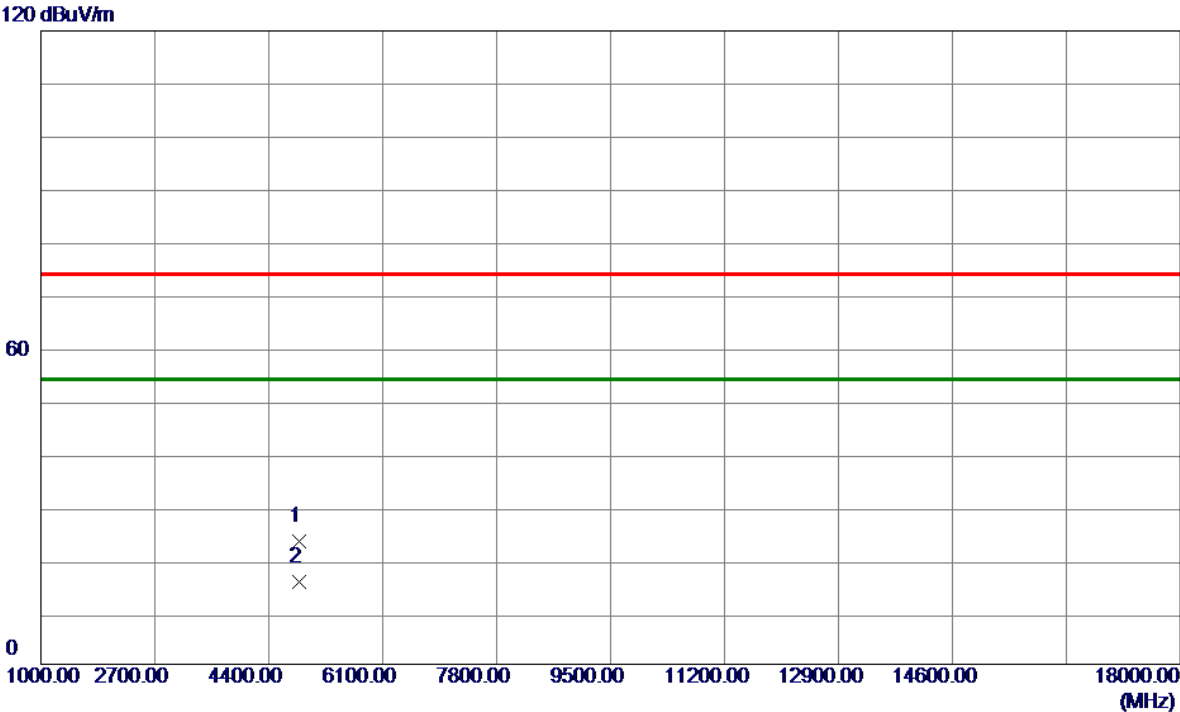


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4927.0000	40.02	-8.31	31.71	74.00	-42.29	Peak	
2 *	4927.0000	25.19	-8.31	16.88	54.00	-37.12	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/8/26
Test Frequency	CH03: 2422 MHz	Polarization	Vertical

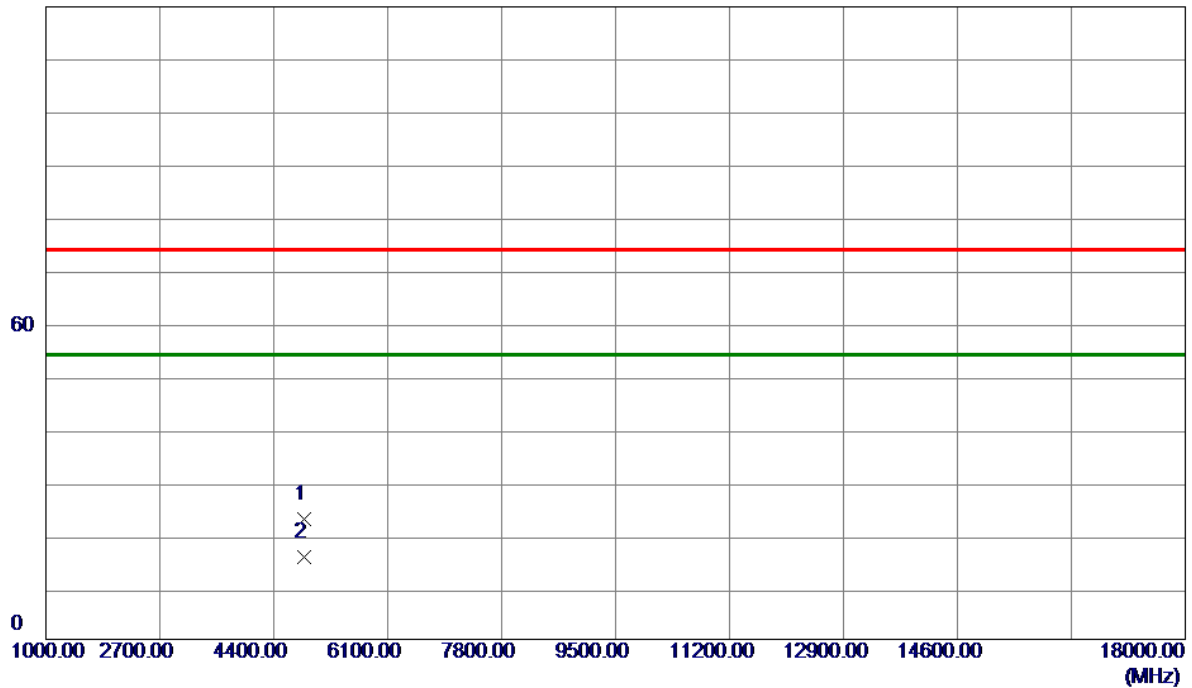


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.0000	31.76	-8.52	23.24	74.00	-50.76	Peak	
2 *	4844.0000	24.15	-8.52	15.63	54.00	-38.37	AVG	

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/8/26
Test Frequency	CH03: 2422 MHz	Polarization	Horizontal

120 dBuV/m



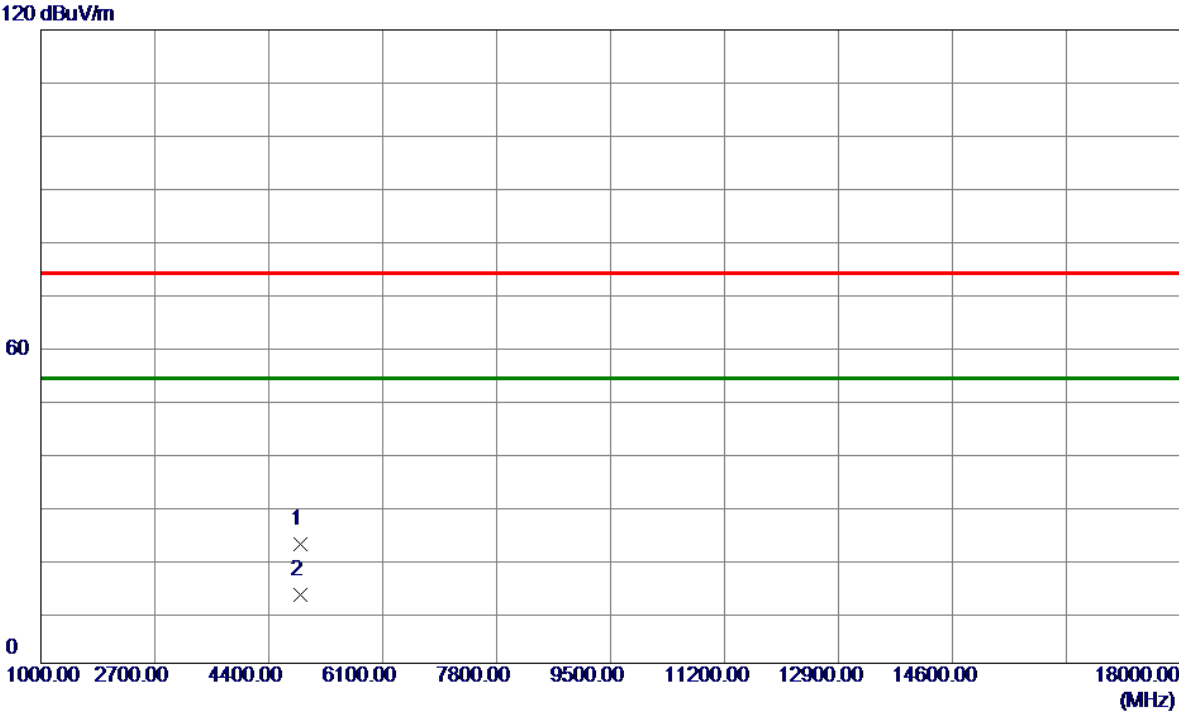
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.0000	31.36	-8.52	22.84	74.00	-51.16	Peak	
2 *	4844.0000	24.18	-8.52	15.66	54.00	-38.34	AVG	

REMARKS:

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

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

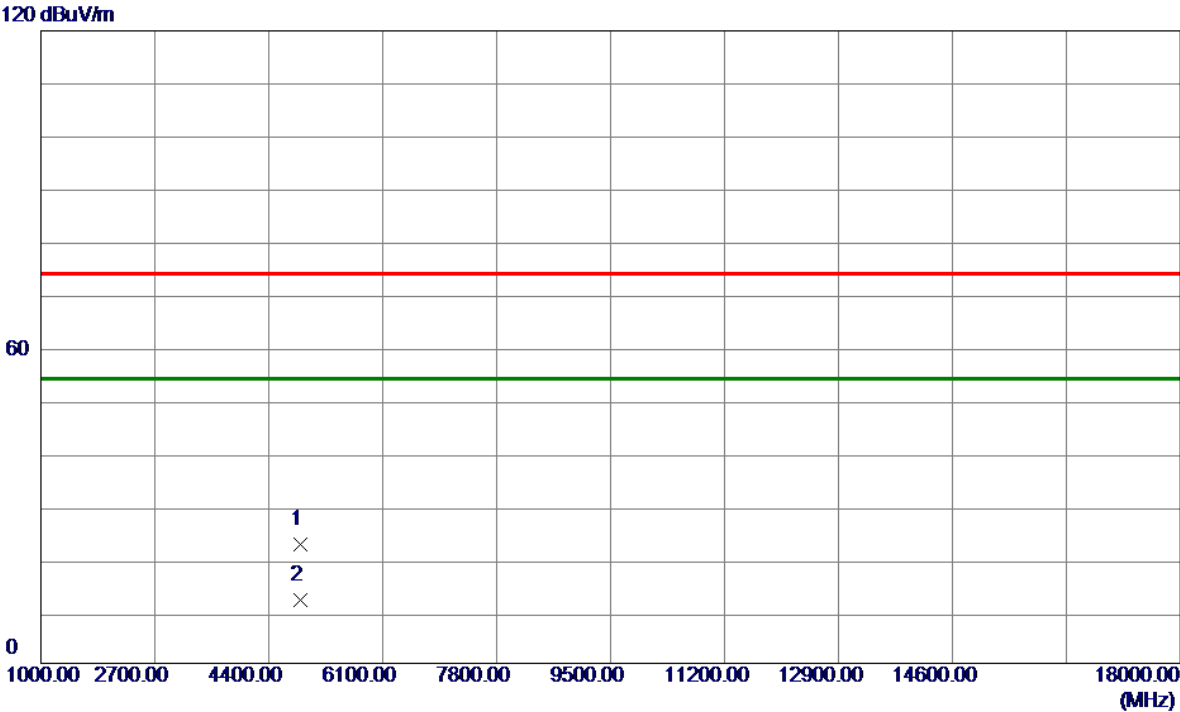
Test Mode	IEEE 802.11n (HT40)	Test Date	2024/8/26
Test Frequency	CH06: 2437 MHz	Polarization	Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0000	31.08	-8.44	22.64	74.00	-51.36	Peak	
2 *	4874.0000	21.48	-8.44	13.04	54.00	-40.96	AVG	

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

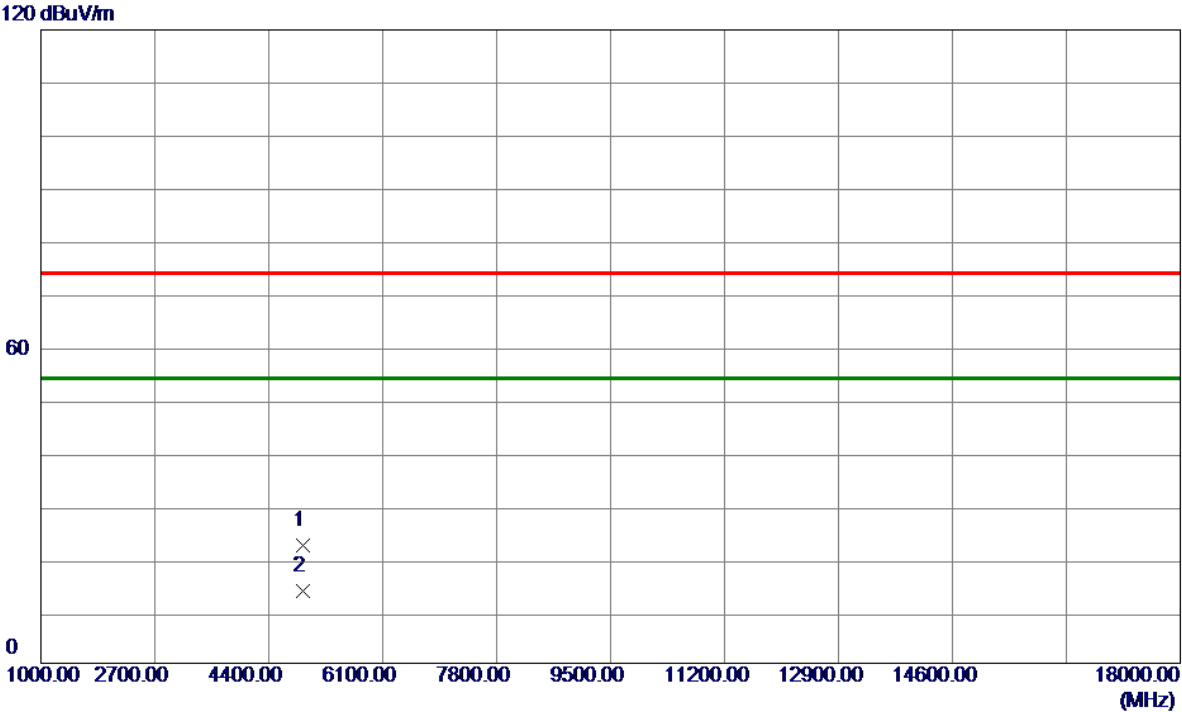
Test Mode	IEEE 802.11n (HT40)	Test Date	2024/8/26
Test Frequency	CH06: 2437 MHz	Polarization	Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0000	30.94	-8.44	22.50	74.00	-51.50	Peak	
2 *	4874.0000	20.48	-8.44	12.04	54.00	-41.96	AVG	

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/8/26
Test Frequency	CH11: 2452 MHz	Polarization	Vertical

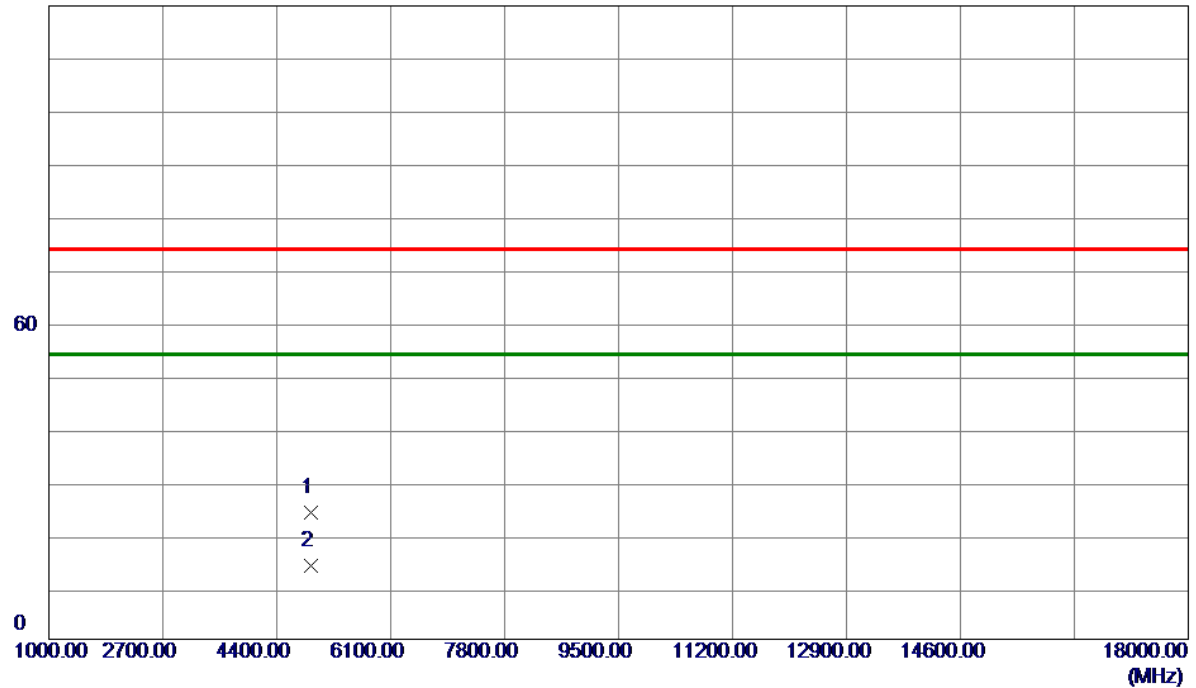


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4904.0000	30.64	-8.37	22.27	74.00	-51.73	Peak	
2 *	4904.0000	21.96	-8.37	13.59	54.00	-40.41	AVG	

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/8/26
Test Frequency	CH11: 2452 MHz	Polarization	Horizontal

120 dBuV/m



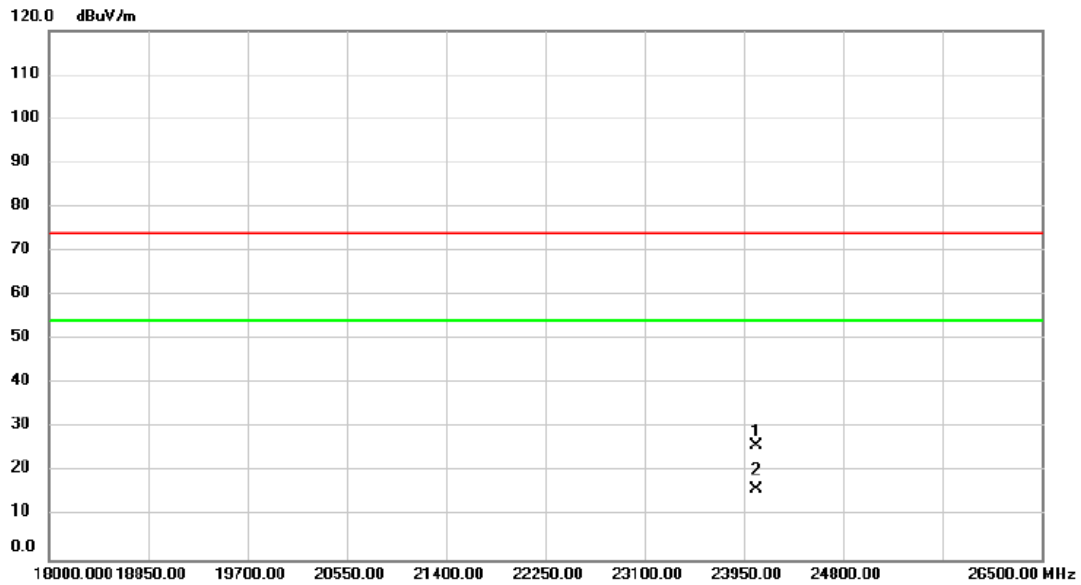
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4904.0000	32.42	-8.37	24.05	74.00	-49.95	Peak	
2 *	4904.0000	22.19	-8.37	13.82	54.00	-40.18	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11b	Test Date	2024/8/26
Test Frequency	CH01: 2412 MHz	Polarization	Vertical

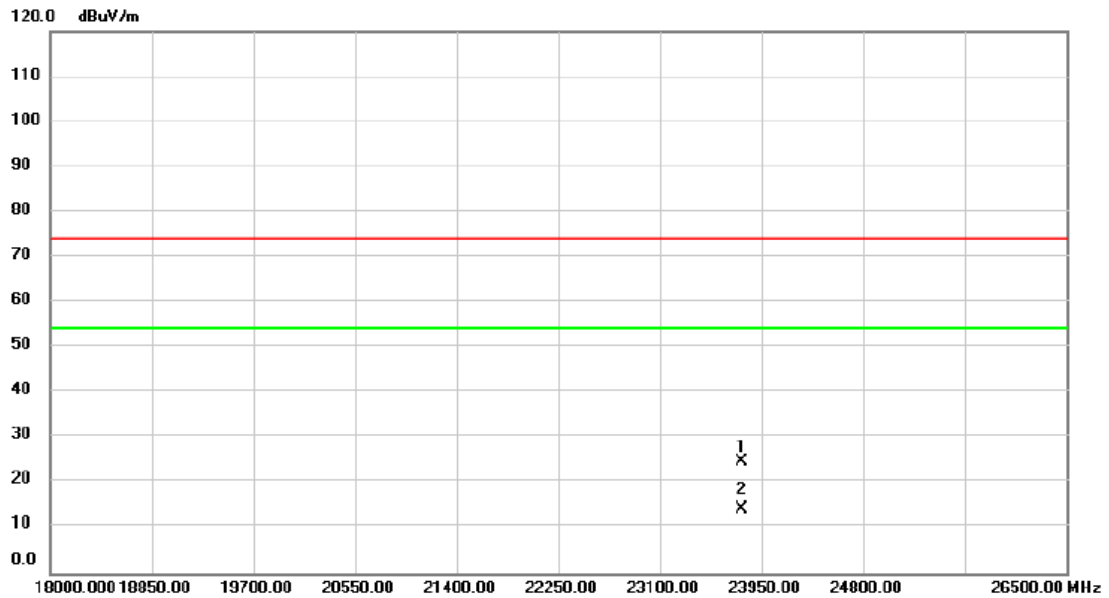


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		24052.00	34.22	-8.26	25.96	74.00	-48.04	peak		
2	*	24052.00	24.25	-8.26	15.99	54.00	-38.01	AVG		

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2024/8/26
Test Frequency	CH01: 2412 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		23788.50	32.85	-8.19	24.66	74.00	-49.34	peak		
2	*	23788.50	22.59	-8.19	14.40	54.00	-39.60	AVG		

REMARKS:

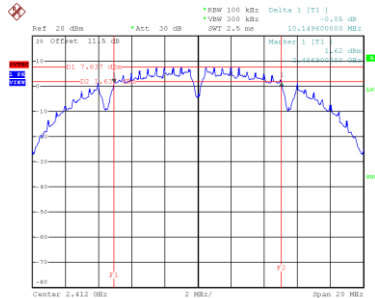
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D BANDWIDTH

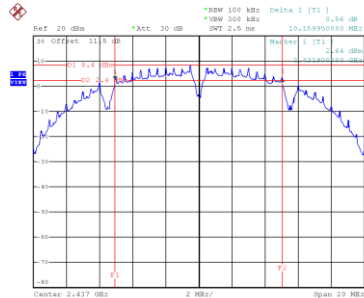
Test Mode	TX B Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	10.150	15.200	0.5	Complies
06	2437	10.160	15.200	0.5	Complies
11	2462	10.160	15.120	0.5	Complies

CH01

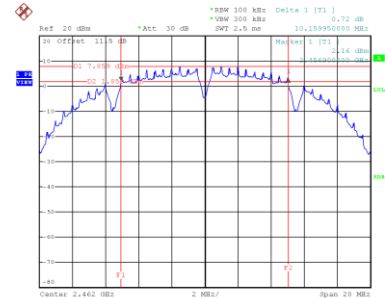


Date: 7.AUG.2024 20:12:46

CH06
6 dB Bandwidth


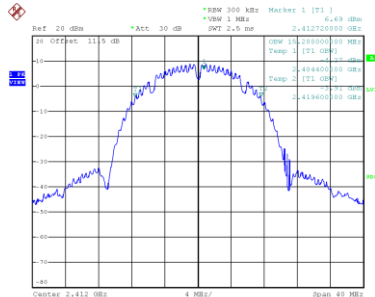
Date: 7.AUG.2024 20:14:58

CH11

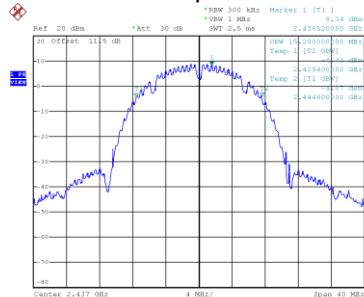


Date: 7.AUG.2024 20:16:53

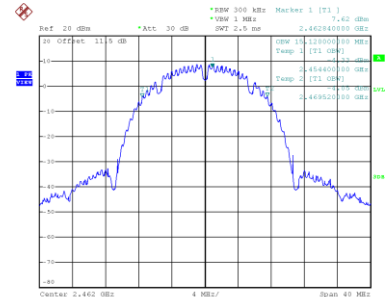
99 % Occupied Bandwidth



Date: 7.AUG.2024 20:12:55



Date: 7.AUG.2024 20:15:07

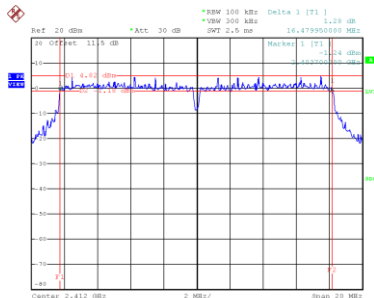


Date: 7.AUG.2024 20:17:02

Test Mode	TX G Mode
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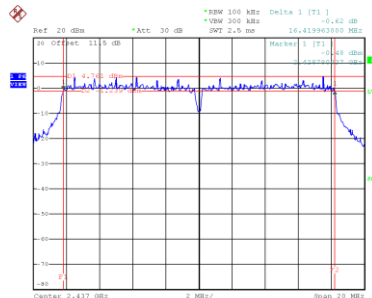
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.480	17.200	0.5	Complies
06	2437	16.420	17.120	0.5	Complies
11	2462	16.400	17.040	0.5	Complies

CH01



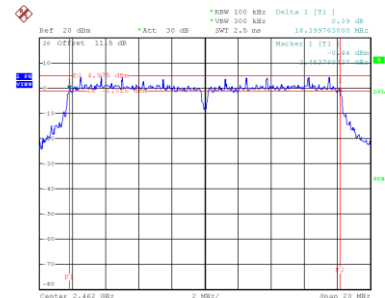
Date: 7.AUG.2024 20:19:29

CH06
6 dB Bandwidth



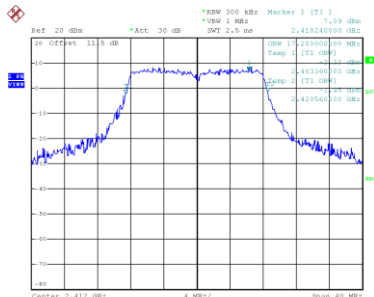
Date: 7.AUG.2024 20:23:42

CH11

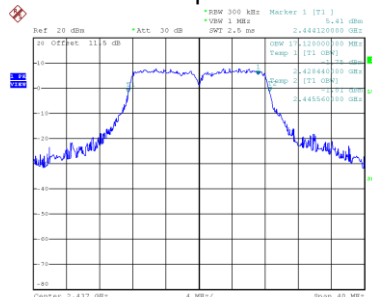


Date: 7.AUG.2024 20:59:36

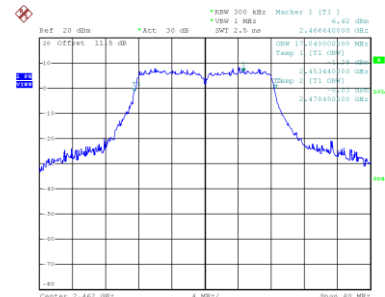
99 % Occupied Bandwidth



Date: 7.AUG.2024 20:19:38



Date: 7.AUG.2024 20:23:51

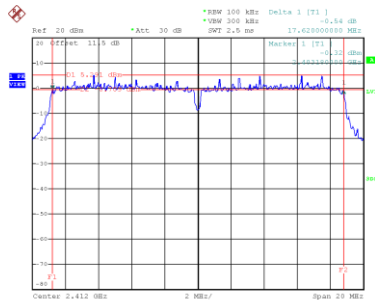
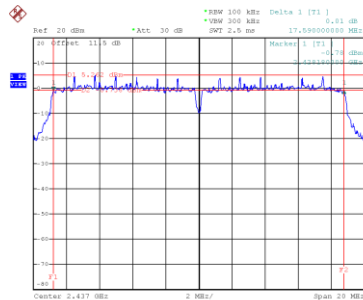


Date: 7.AUG.2024 20:59:47

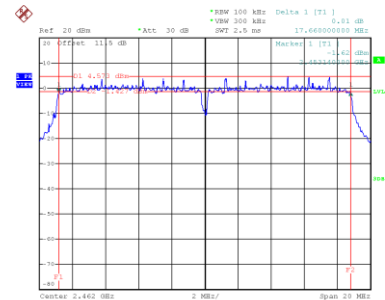
Test Mode	TX N(HT20) Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	17.620	18.080	0.5	Complies
06	2437	17.590	18.080	0.5	Complies
11	2462	17.660	18.080	0.5	Complies

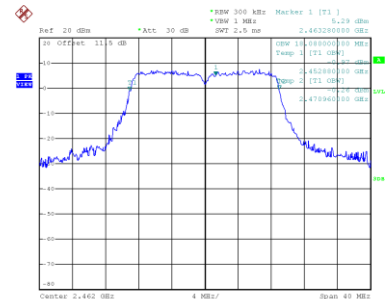
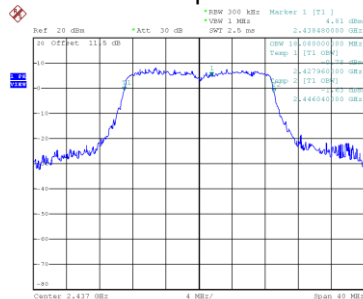
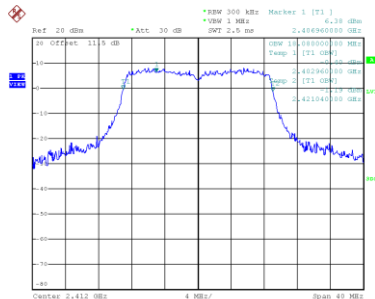
CH01


CH06
6 dB Bandwidth


CH11



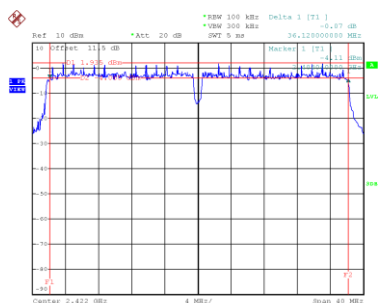
99 % Occupied Bandwidth



Test Mode	TX N(HT40) Mode
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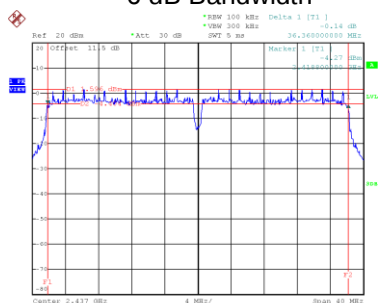
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	36.120	37.440	0.5	Complies
06	2437	36.360	37.120	0.5	Complies
09	2452	36.360	36.960	0.5	Complies

CH03



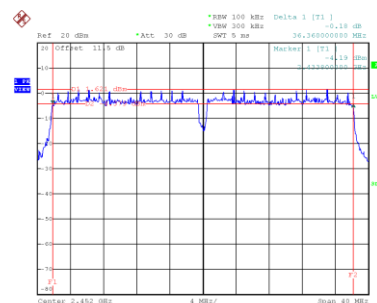
Date: 7.AUG.2024 21:13:27

CH06
6 dB Bandwidth



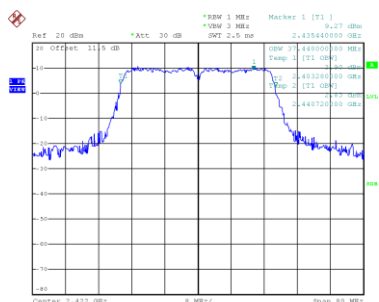
Date: 7.AUG.2024 21:15:56

CH09

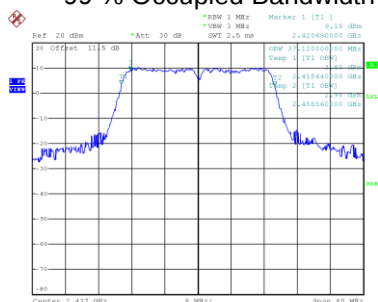


Date: 7.AUG.2024 21:19:43

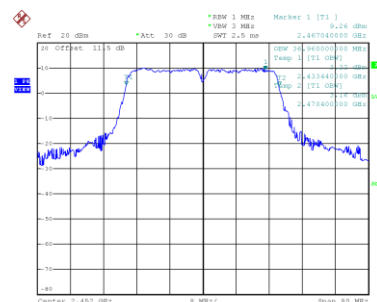
99 % Occupied Bandwidth



Date: 7.AUG.2024 21:15:01



Date: 7.AUG.2024 21:16:05



Date: 7.AUG.2024 21:19:52

APPENDIX E MAXIMUM OUTPUT POWER

Test Mode	IEEE 802.11b_ Ant. 1	Tested Date	2024/8/16
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.37	0.00	18.37	30.00	1.0000	Complies
06	2437	18.27	0.00	18.27	30.00	1.0000	Complies
11	2462	18.13	0.00	18.13	30.00	1.0000	Complies

Test Mode	IEEE 802.11g_ Ant. 1	Tested Date	2024/8/16
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	16.35	0.16	16.51	30.00	1.0000	Complies
06	2437	16.48	0.16	16.64	30.00	1.0000	Complies
11	2462	16.42	0.16	16.58	30.00	1.0000	Complies

Test Mode	IEEE 802.11n (HT20)_ Ant. 1	Tested Date	2024/8/16
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	16.08	0.26	16.34	30.00	1.0000	Complies
06	2437	16.24	0.26	16.50	30.00	1.0000	Complies
11	2462	16.35	0.26	16.61	30.00	1.0000	Complies

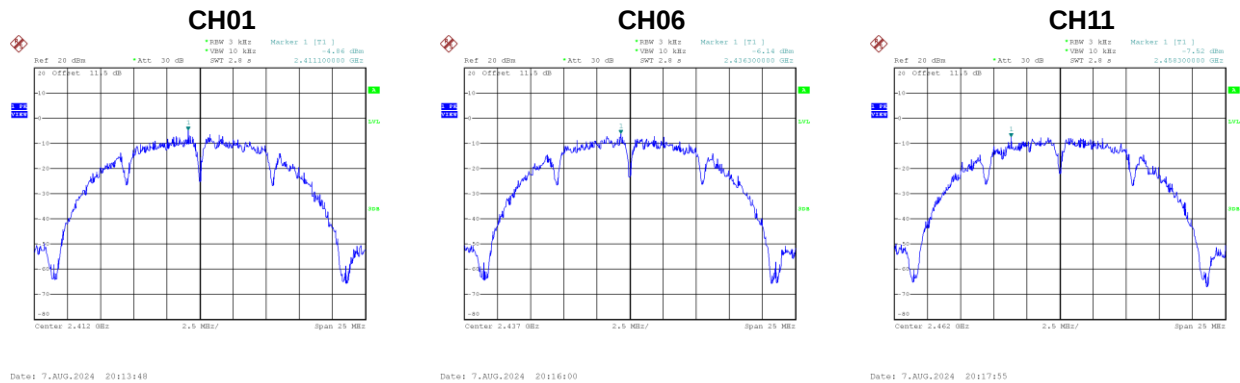
Test Mode	IEEE 802.11n (HT40)_ Ant. 1	Tested Date	2024/8/16
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	13.87	0.73	14.60	30.00	1.0000	Complies
06	2437	12.65	0.73	13.38	30.00	1.0000	Complies
11	2462	12.78	0.73	13.51	30.00	1.0000	Complies

APPENDIX F POWER SPECTRAL DENSITY

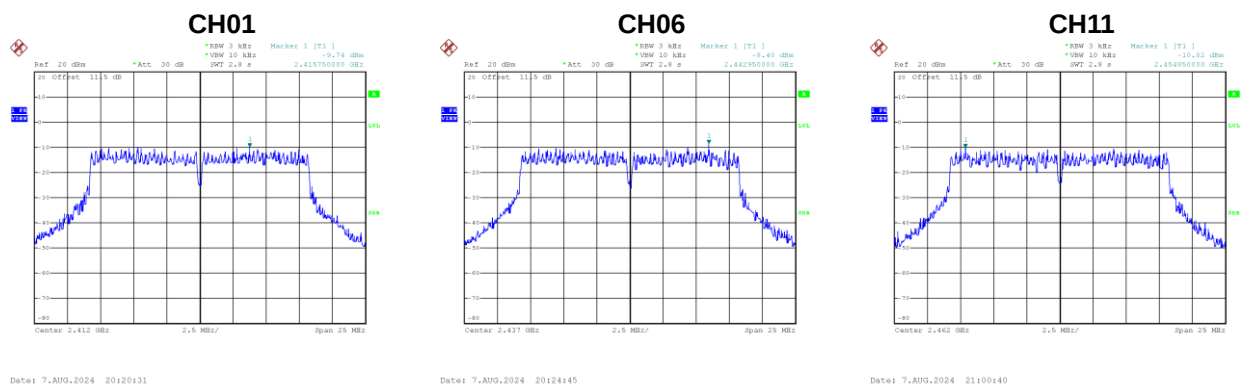
Test Mode	IEEE 802.11b _Ant. 1
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-4.86	8.00	Complies
06	2437	-6.14	8.00	Complies
11	2462	-7.52	8.00	Complies



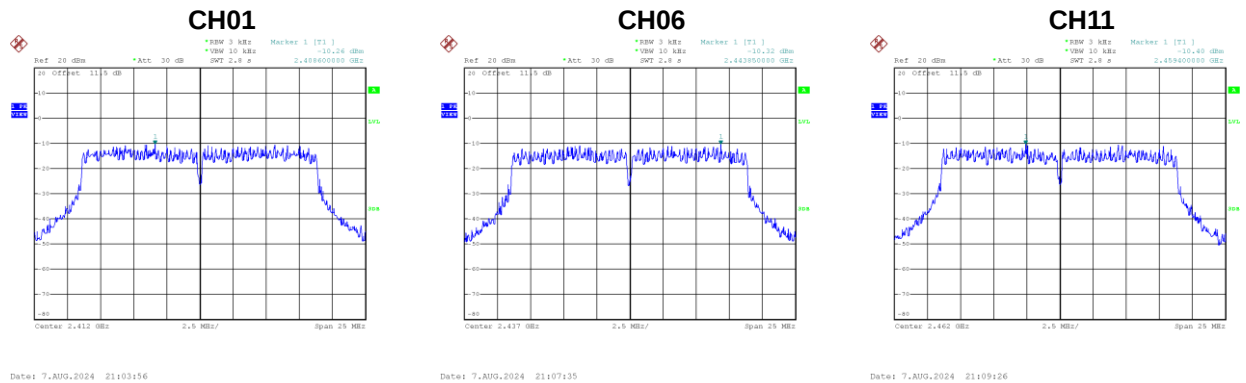
Test Mode	IEEE 802.11g _Ant. 1
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-9.74	8.00	Complies
06	2437	-8.40	8.00	Complies
11	2462	-10.02	8.00	Complies



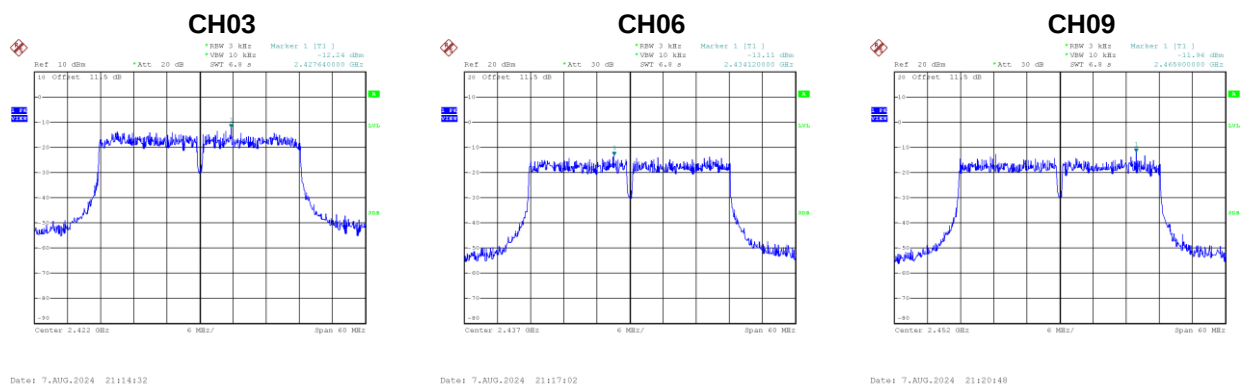
Test Mode	IEEE 802.11n (HT20)_Ant. 1
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-10.26	8.00	Complies
06	2437	-10.32	8.00	Complies
11	2462	-10.40	8.00	Complies



Test Mode	IEEE 802.11n (HT40)_Ant. 1
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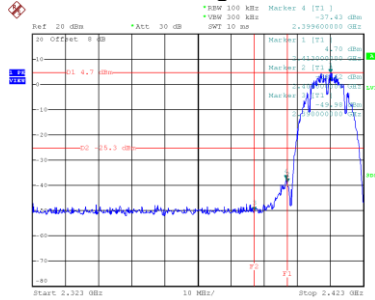
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-12.24	8.00	Complies
06	2437	-13.11	8.00	Complies
09	2452	-11.96	8.00	Complies



APPENDIX G ANTENNA CONDUCTED SPURIOUS EMISSIONS

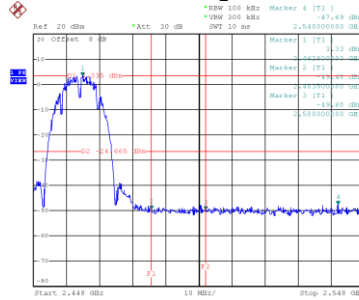
Test Mode IEEE 802.11b_Ant. 1

Bandedge-CH01



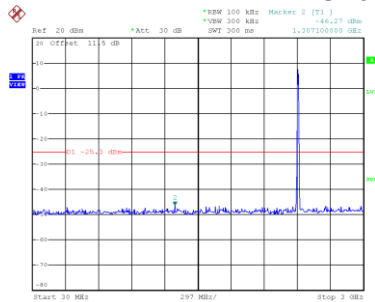
Date: 7.AUG.2024 20:13:04

Bandedge-CH11

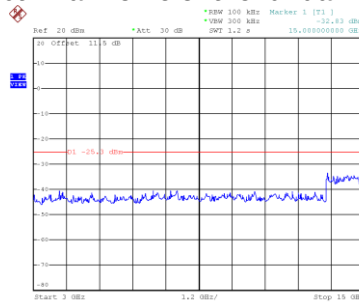


Date: 7.AUG.2024 20:17:11

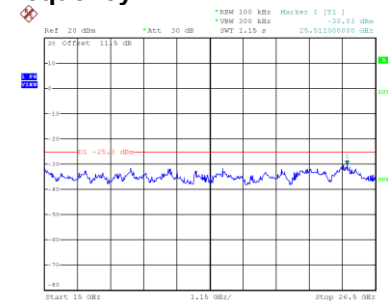
CH01 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 20:13:19

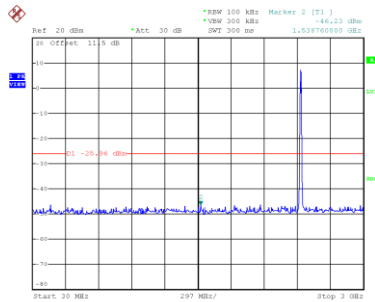


Date: 7.AUG.2024 20:13:28

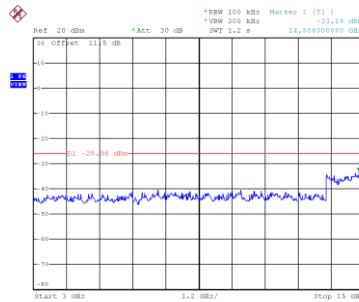


Date: 7.AUG.2024 20:13:38

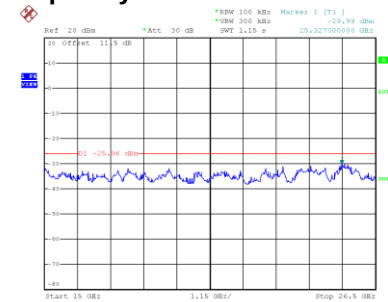
CH06 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 20:15:32

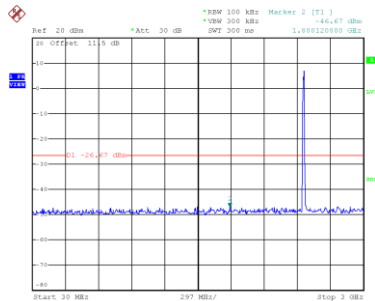


Date: 7.AUG.2024 20:15:41

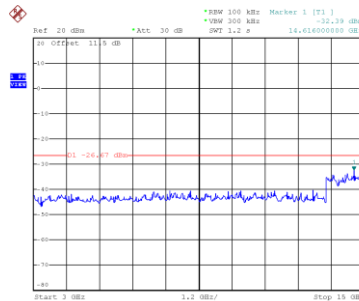


Date: 7.AUG.2024 20:15:50

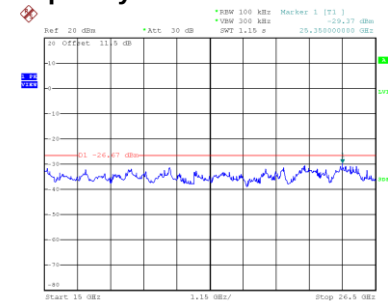
CH11 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 20:17:26



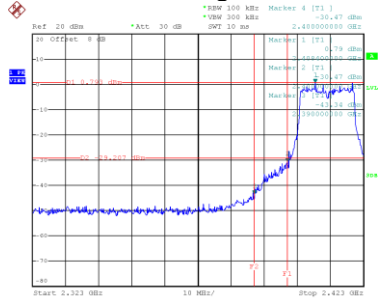
Date: 7.AUG.2024 20:17:35



Date: 7.AUG.2024 20:17:44

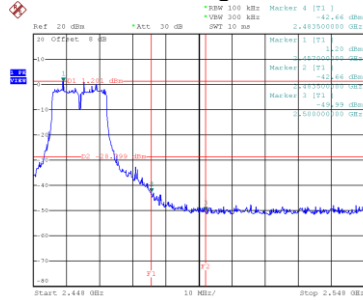
Test Mode IEEE 802.11g_Ant. 1

Bandedge-CH01



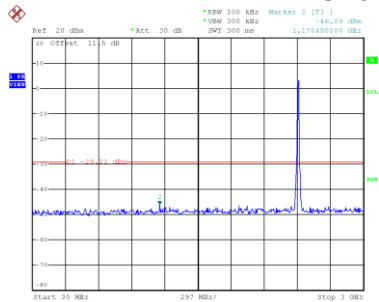
Date: 7.AUG.2024 20:19:47

Bandedge-CH11

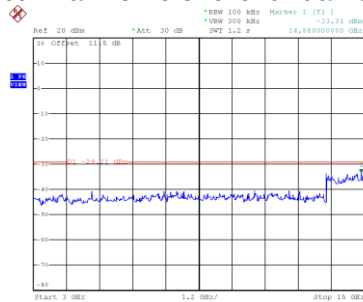


Date: 7.AUG.2024 20:19:56

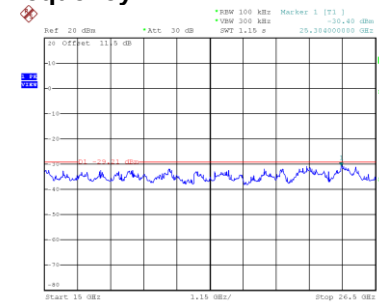
CH01 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 20:20:02

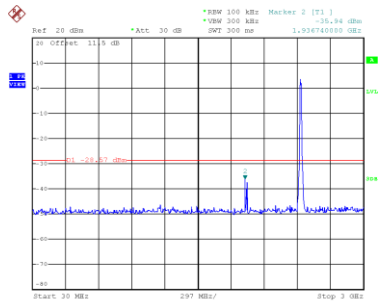


Date: 7.AUG.2024 20:20:11

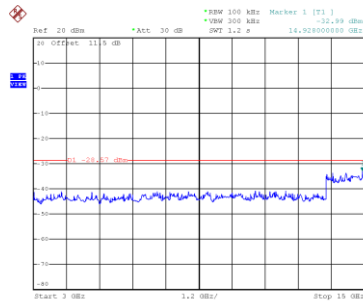


Date: 7.AUG.2024 20:20:20

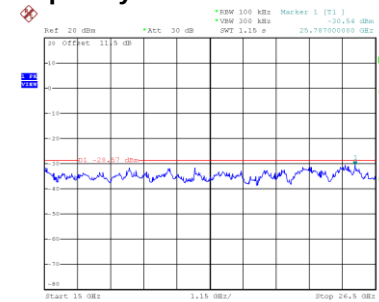
CH06 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 20:24:16

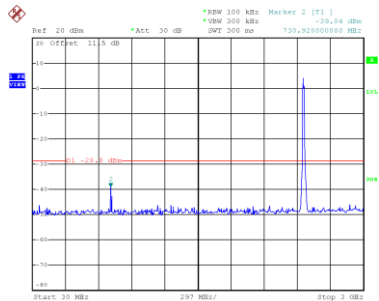


Date: 7.AUG.2024 20:24:25

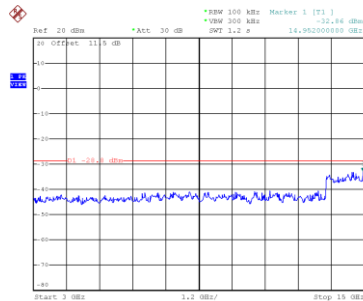


Date: 7.AUG.2024 20:24:34

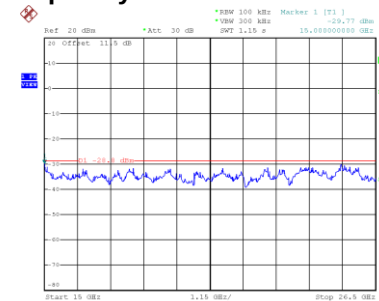
CH11 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 21:00:11



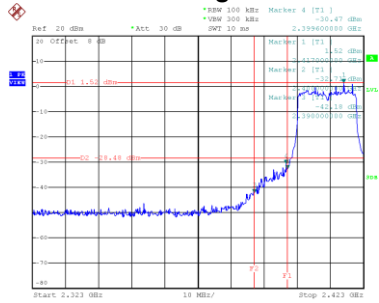
Date: 7.AUG.2024 21:00:20



Date: 7.AUG.2024 21:00:29

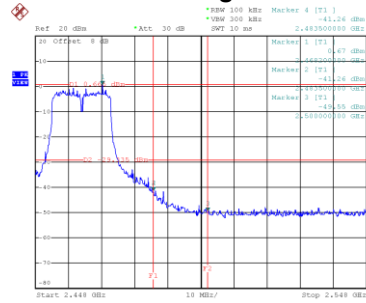
Test Mode IEEE 802.11n (HT20)_Ant. 1

Bandedge-CH01



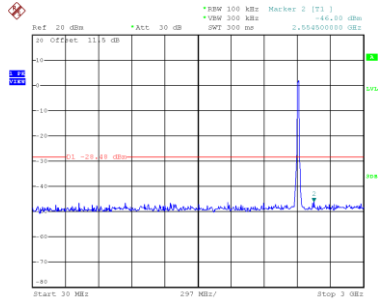
Date: 7.AUG.2024 21:03:12

Bandedge-CH11

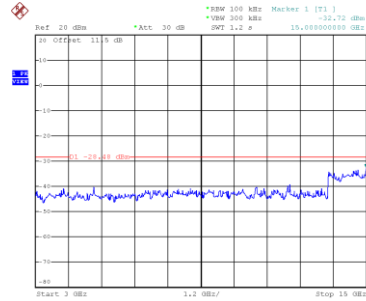


Date: 7.AUG.2024 21:08:42

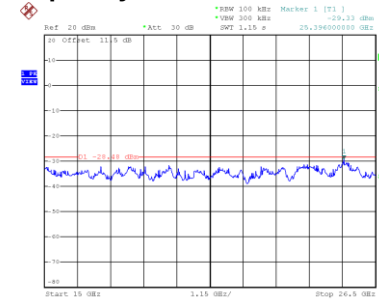
CH01 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 21:03:27

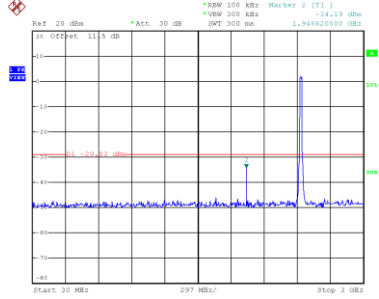


Date: 7.AUG.2024 21:03:36

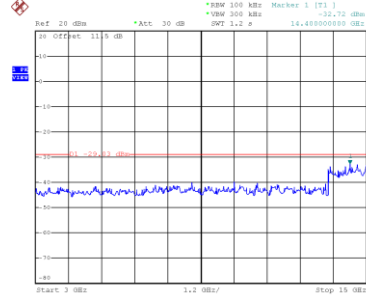


Date: 7.AUG.2024 21:03:45

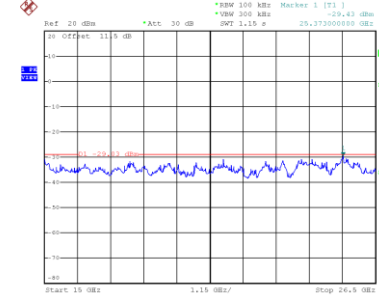
CH06 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 21:07:06

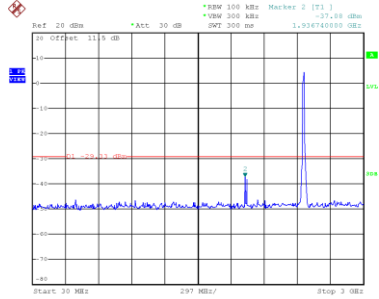


Date: 7.AUG.2024 21:07:15

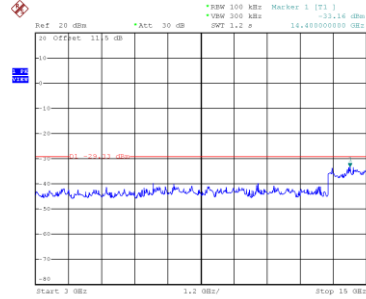


Date: 7.AUG.2024 21:07:24

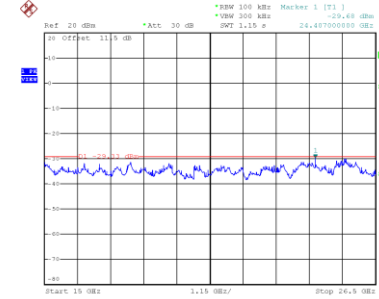
CH11 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 21:08:57



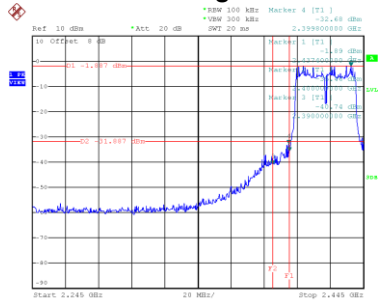
Date: 7.AUG.2024 21:09:06



Date: 7.AUG.2024 21:09:15

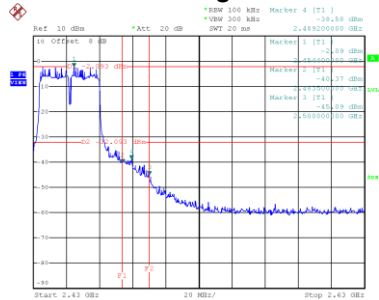
Test Mode IEEE 802.11n (HT40)_Ant. 1

Bandedge-CH03



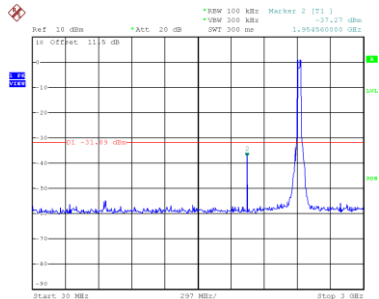
Date: 7.AUG.2024 21:13:45

Bandedge-CH09

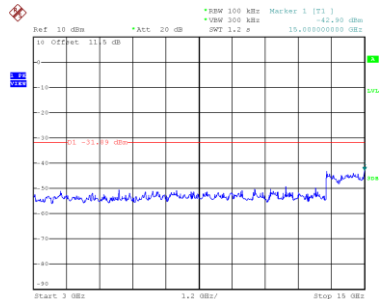


Date: 7.AUG.2024 21:22:04

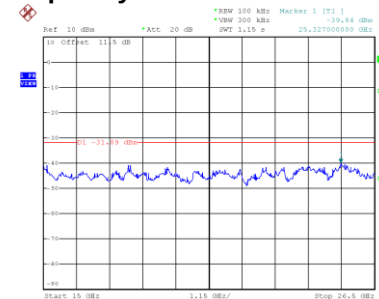
CH03 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 21:14:00

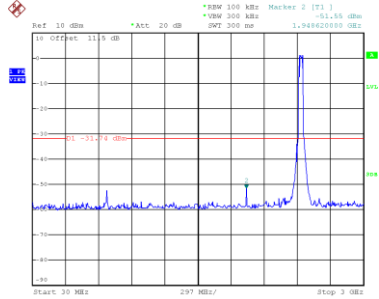


Date: 7.AUG.2024 21:14:09

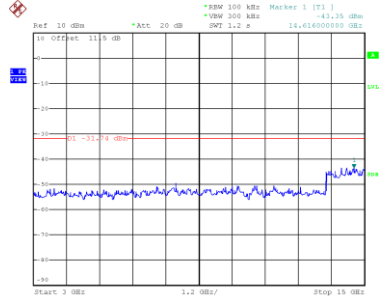


Date: 7.AUG.2024 21:14:19

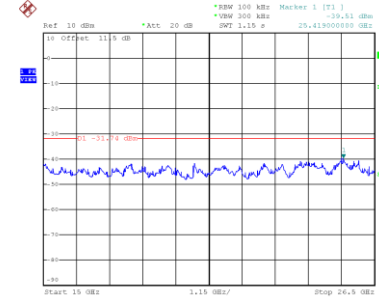
CH06 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 21:18:13

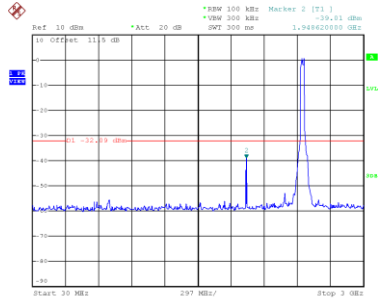


Date: 7.AUG.2024 21:18:22

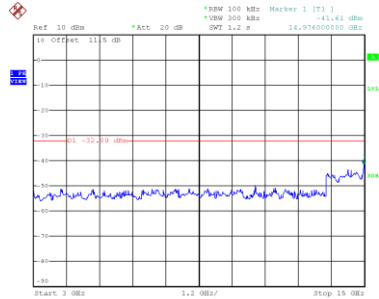


Date: 7.AUG.2024 21:18:31

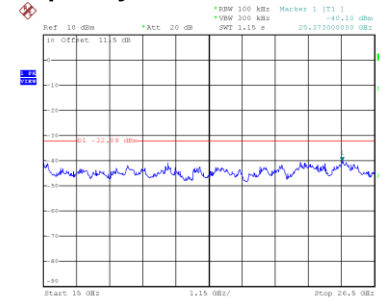
CH09 – 10th Harmonic of the fundamental frequency



Date: 7.AUG.2024 21:22:19



Date: 7.AUG.2024 21:22:28



Date: 7.AUG.2024 21:22:37

End of Test Report