

FCC Radio Test Report

FCC ID: VGYAP905

Report No. : BTL-FCCP-1-2410C274
Equipment : 802.11ax Access Point
Model Name : VigorAP 905
Brand Name : DrayTek
Applicant : Draytek Corporation
Address : No.26, Fu Shing Rd., HuKou County, Hsinchu Industrial Park,
Hsinchu, Taiwan 303
Manufacturer : Shenzhen Cudy Technology Co., Ltd.
Address : 7/F, Lepu Tower (West), 66 Xingke Rd, Nanshan, Shenzhen, China
Factory : Shenzhen Cudy Technology Co., Ltd.
Address : 7/F, Lepu Tower (West), 66 Xingke Rd, Nanshan, Shenzhen, China
Radio Function : WLAN 2.4 GHz
FCC Rule Part(s) : FCC CFR Title 47, Part 15, Subpart C (15.247)
Measurement : ANSI C63.10-2013
Procedure(s)
Date of Receipt : 2024/10/19
Date of Test : 2024/10/20 - 2024/11/29
Issued Date : 2024/12/23

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** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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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-1-2410C274	R00	Original Report.	2024/12/23	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 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:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.

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:

No.64, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

The test sites and facilities are covered under FCC RN: 674415 and DN: TW0659.

☒ TR01 ☒ C01 ☒ CB20

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)
C01	CISPR	150 kHz ~ 30MHz	3.44

B. Radiated emissions test :

Test Site	Measurement Frequency Range (GHz)	U (dB)	U_{CISPR} (dB)
CB20 (3m)	0.03~0.2	4.01	6
	0.02~1	4.64	6
	1 ~ 6	5.91	6
	6 ~ 18	6.24	6
	18 ~ 26	3.93	6
	26 ~ 40	4.06	6

C. Conducted test :

Test Item	U
Occupied Bandwidth	86 %
Output power	0.8412 dB
Power Spectral Density	0.8602 dB
Conducted Spurious emissions	1.8304 dB
Conducted Band edges	1.8338 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

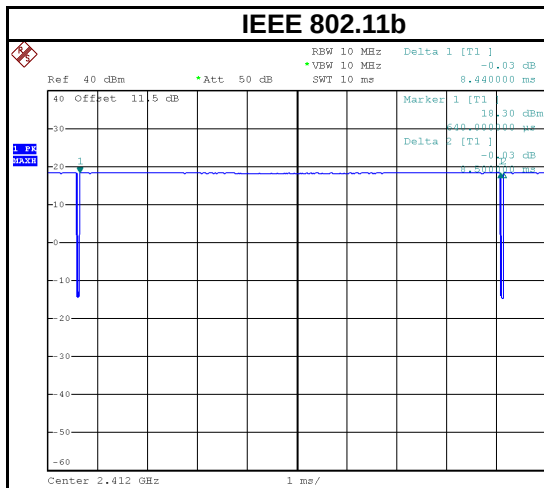
Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	25°C, 45%	AC 120V	Ken Lu
Radiated emissions below 1 GHz	25°C, 65%	AC 120V	Barry Tsui
Radiated emissions above 1 GHz	25°C, 65%	AC 120V	Barry Tsui
Bandwidth	25°C, 87%	AC 120V	Cheng Tsai
Output Power	25°C, 87%	AC 120V	Cheng Tsai
Power Spectral Density	25°C, 87%	AC 120V	Cheng Tsai
Antenna conducted Spurious Emission	25°C, 87%	AC 120V	Cheng Tsai

1.4 DUTY CYCLE

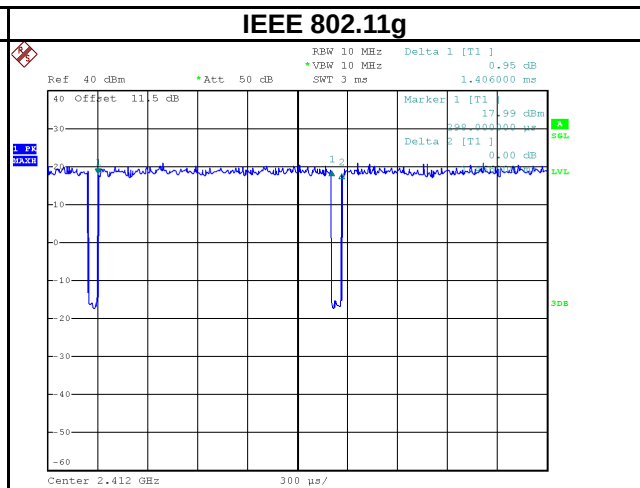
If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.

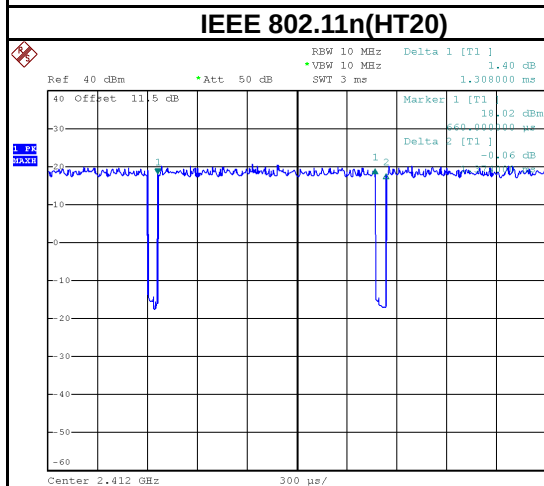
Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
IEEE 802.11b	8.440	1	8.440	8.500	99.29%	0.00
IEEE 802.11g	1.406	1	1.406	1.466	95.91%	0.18
IEEE 802.11n(HT20)	1.308	1	1.308	1.374	95.20%	0.21
IEEE 802.11n(HT40)	0.616	1	0.616	0.710	86.76%	0.62
IEEE 802.11ax(HE20)	0.564	1	0.564	0.624	90.38%	0.44
IEEE 802.11ax(HE40)	0.320	1	0.320	0.378	84.66%	0.72



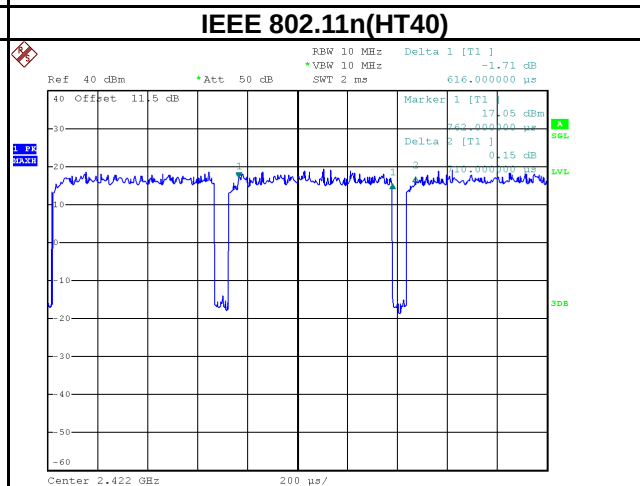
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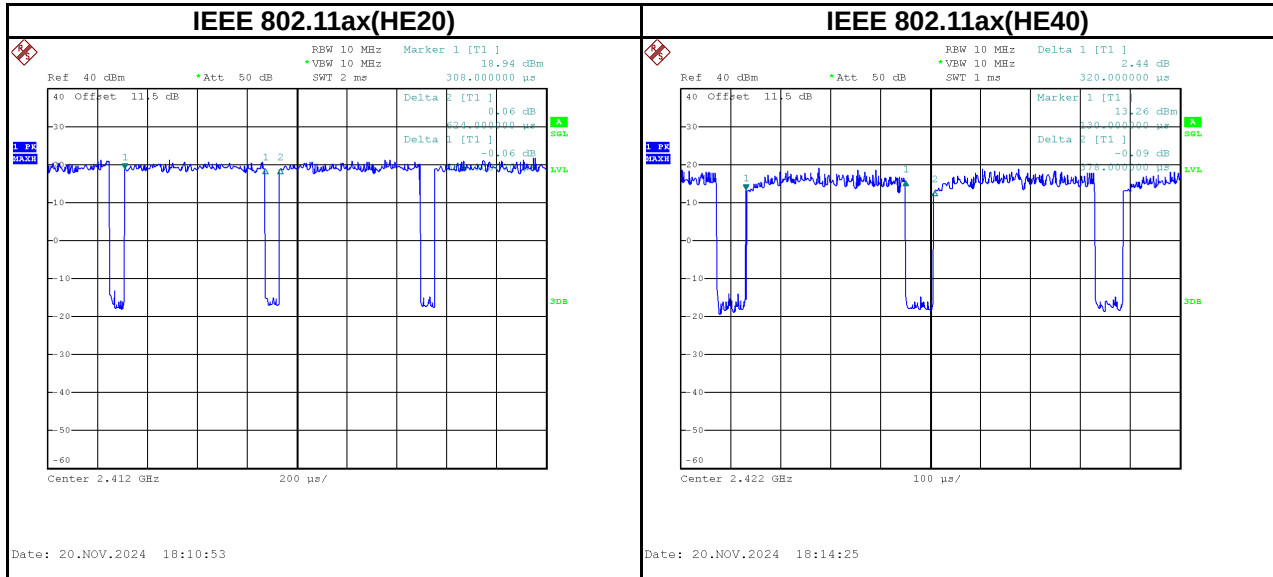
Date: 20.NOV.2024 18:06:35



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Date: 20.NOV.2024 18:16:35



2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	802.11ax Access Point
Model Name	VigorAP 905
Brand Name	DrayTek
Model Difference	N/A
Power Source	1# DC Voltage supplied from AC adapter. Model: TPA259-18120-US 2# DC Voltage supplied from POE adapter. (Support unit)
Power Rating	1# I/P: 100-240V~, 50/60Hz, 0.6A O/P: 12V---1.5A 2# 48V---0.45A
HW Version	V1
SW Version	2.0.0
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 IEEE 802.11ax: OFDMA
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 300 Mbps IEEE 802.11ax: up to 573.6 Mbps
Maximum Output Power	IEEE 802.11n (HT40): 19.80 dBm (0.0955 W)
Test Software Version	QATool_Dbg 0.0.2.78
Test Model	VigorAP 905
Sample Status	Engineering Sample
EUT Modification(s)	N/A

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:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

(3) Table for Filed Antenna:

Ant.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	SHENZHEN SOUTH STAR TECHNOLOGY CO.,LTD	3.N101.1363	PCB	N/A	1.87
2	SHENZHEN SOUTH STAR TECHNOLOGY CO.,LTD	3.N101.1363	PCB	N/A	1.87

NOTE:

- 1) This EUT supports MIMO 2X2, any transmit signals are correlated with each other, so Directional gain= $G_{ANT}+10\log(N)$ dBi, that is Directional gain= $1.87+10\log(2)$ dBi=4.88.
- (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.
- (5) Operating Mode and Antenna Configuration

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

2.2 TEST MODES

Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal/Idle	-	-
Transmitter Radiated Emissions (below 1GHz)	IEEE 802.11n (HT40)	09	-
Transmitter Radiated Emissions (above 1GHz)	IEEE 802.11b	01/11	Bandedge
	IEEE 802.11g		
	IEEE 802.11n (HT20)		
	IEEE 802.11ax (HE20)		
	IEEE 802.11n (HT40)	03/09	
	IEEE 802.11ax (HE40)		
Transmitter Radiated Emissions (above 1GHz)	IEEE 802.11b	01/06/11	Harmonic
	IEEE 802.11g		
	IEEE 802.11n (HT20)		
	IEEE 802.11ax (HE20)		
	IEEE 802.11n (HT40)	03/06/09	
	IEEE 802.11ax (HE40)		
Transmitter Radiated Emissions (above 18GHz)	IEEE 802.11n (HT40)	09	-
Bandwidth & Output Power & Power Spectral Density & Antenna conducted Spurious Emission	IEEE 802.11b	01/06/11	-
	IEEE 802.11g		
	IEEE 802.11n (HT20)		
	IEEE 802.11ax (HE20)		
	IEEE 802.11n (HT40)	03/06/09	
	IEEE 802.11ax (HE40)		

NOTE:

- (1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Vertical) is recorded.
- (2) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.
- (3) For radiated emission below 1 GHz test, the TX N(HT40) Mode Channel 09 is found to be the worst case and recorded.
- (4) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.
- (5) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.
- (6) The electric field intensity signal emitted at 9 kHz–30 MHz is too weak (20 dB below the limit), so the measured value is not recorded in this report.
- (7) Both AC adapter supply and POE supply had been pre-tested and found that AC adapter supply was the worst case, so the report only record it.

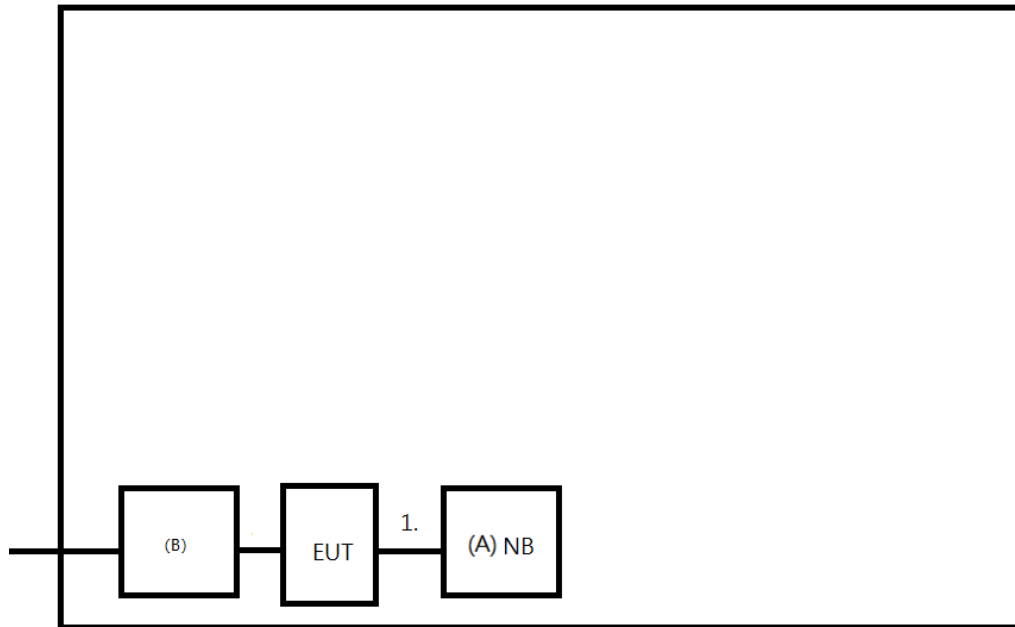
2.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

Test Software Version	QATool_Dbg 0.0.2.78		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	14	15	15
IEEE 802.11g	15.5	16.5	16.5
IEEE 802.11n(HT20)	16.5	17.5	17.5
IEEE 802.11ax(HE20)	18	18.5	18.5
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	17	18	18
IEEE 802.11ax(HE40)	17.5	18.5	18.5

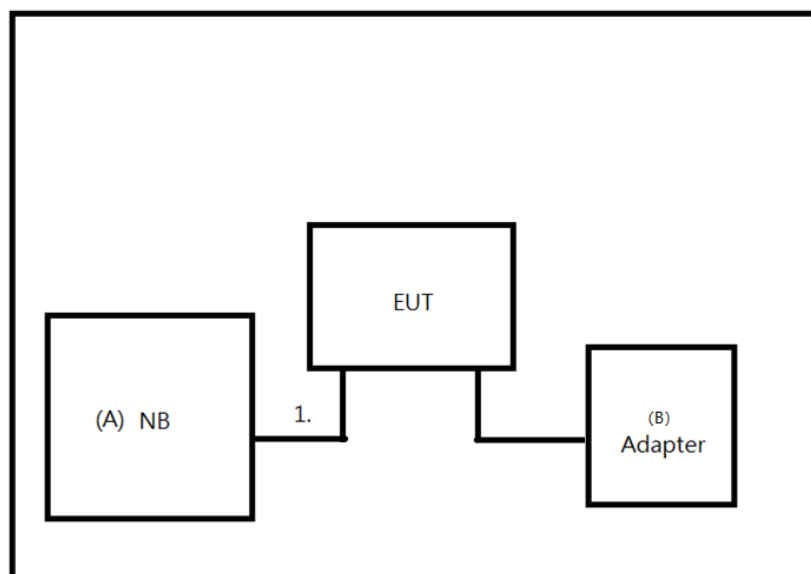
2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.5.

AC Power Line Conducted Emissions Test



Radiated Emissions Test



2.5 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	NB	Lenovo	ThinkBook 14 G4 IAP	N/A	Furnished by test lab
B	Adapter	MI	ADS-18MC-1212018 EPCU	N/A	Supplied by test requester

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	NO	NO	1m	RJ45 cable	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.

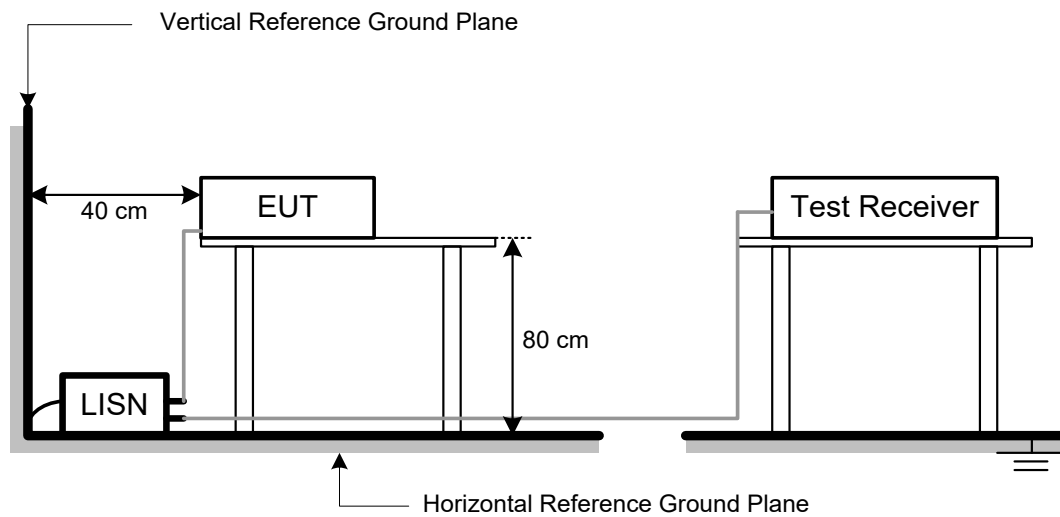
NOTE:

- (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 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

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

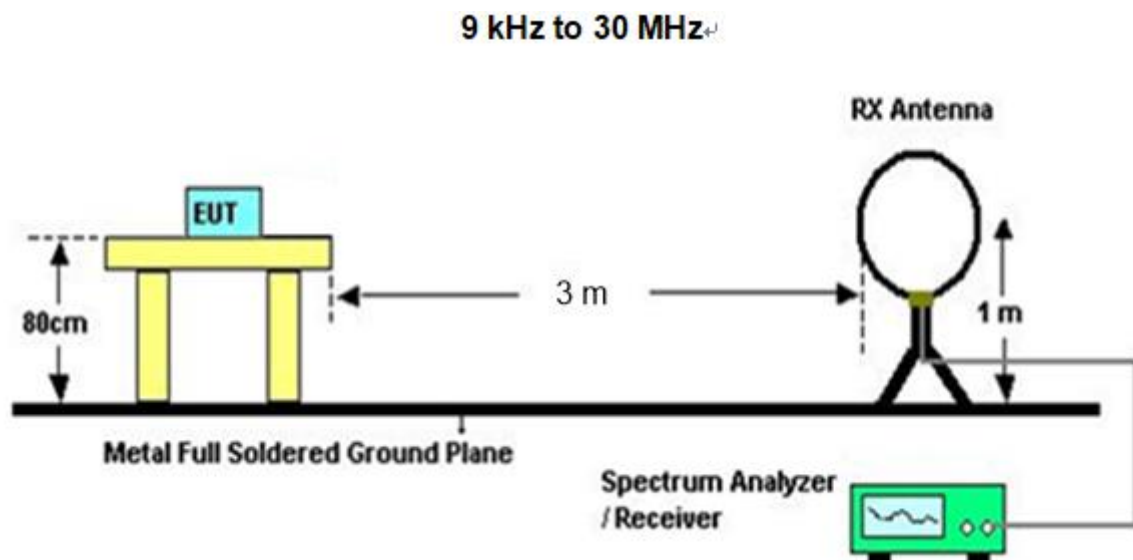
4.2 TEST PROCEDURE

- 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.

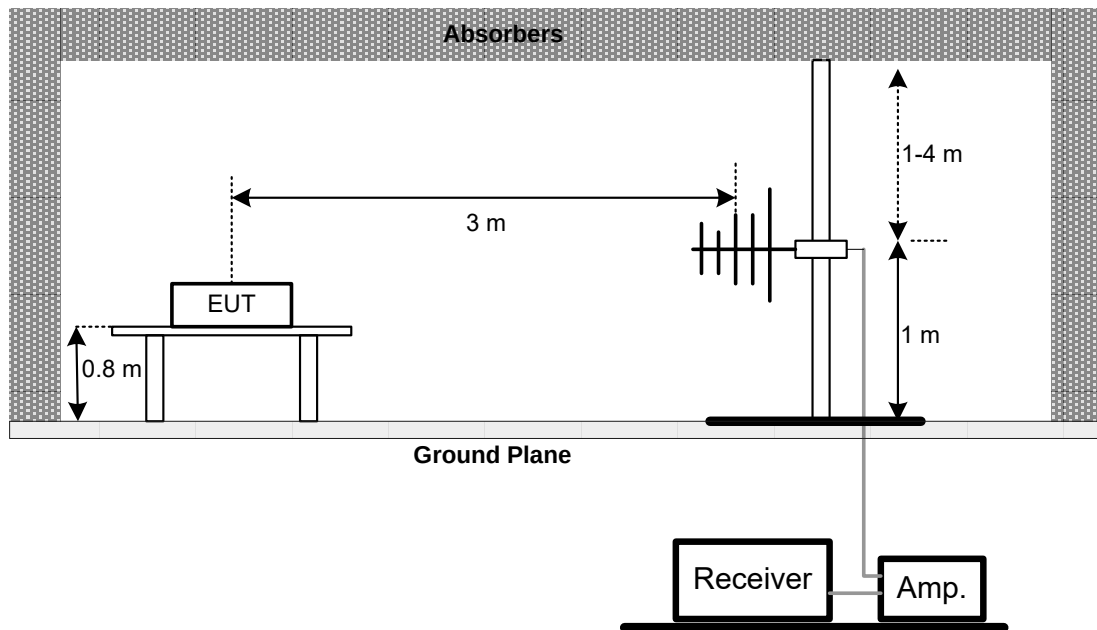
4.3 DEVIATION FROM TEST STANDARD

No deviation.

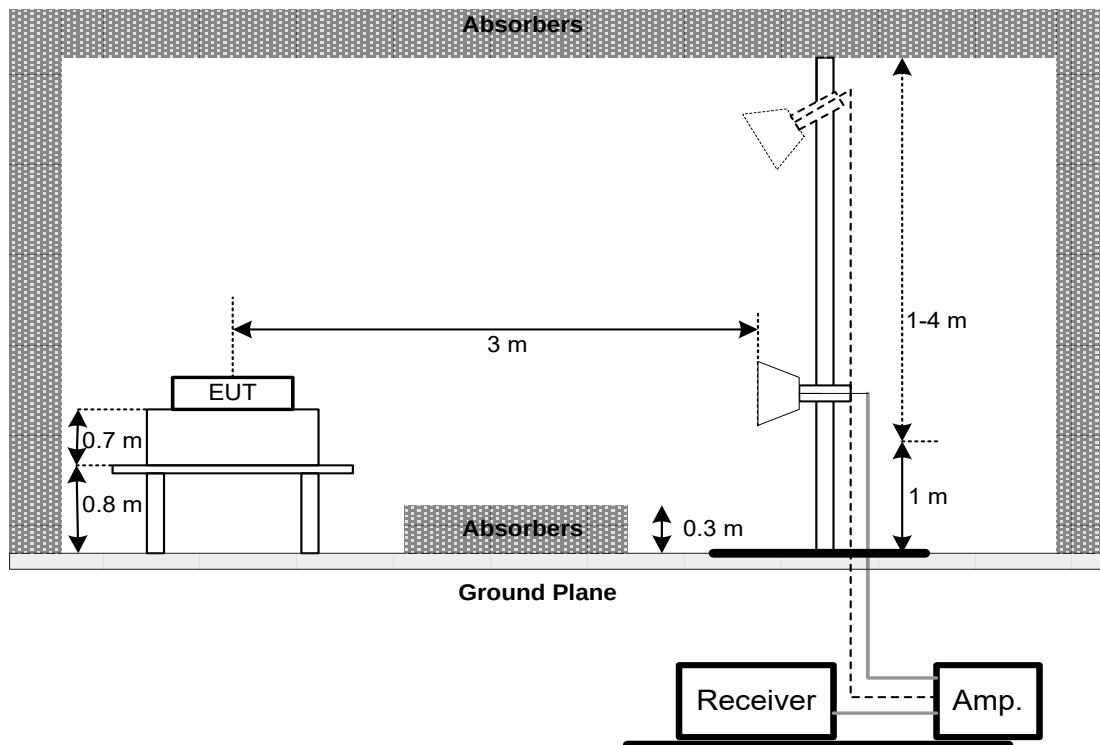
4.4 TEST SETUP



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

NOTE:

- (1) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.6 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX B.

4.7 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

- 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 OUTPUT POWER TEST

6.1 LIMIT

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

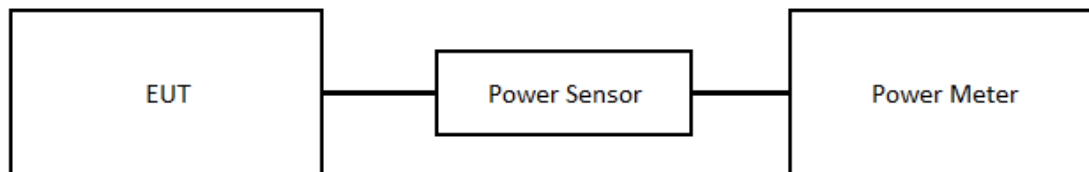
6.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- The maximum peak 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)

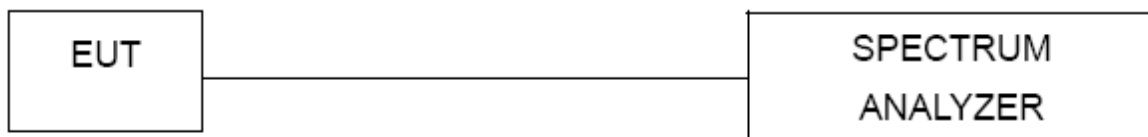
7.2 TEST PROCEDURE

- 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						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Pre-Amplifier	EMCI	EMC184045SE	980512	2023/12/11	2024/12/10
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	340	2024/6/27	2025/6/26
3	Test Cable	EMCI	EMC102-KM-KM-1000	220328	2023/12/11	2024/12/10
4	Test Cable	EMCI	EMC101G-KM-K M-3000	220330	2023/12/11	2024/12/10
5	Broad-Band Horn Antenna	RFSPIN	DRH18-E	210109A18E	2024/1/10	2025/1/9
6	Pre-Amplifier	EMCI	EMC051845SE	980779	2023/12/11	2024/12/10
7	Test Cable	EMCI	EMC105-SM-SM-1000	210119	2023/12/11	2024/12/10
8	Test Cable	EMCI	EMC105-SM-SM-3000	210118	2023/12/11	2024/12/10
9	Test Cable	EMCI	EMC105-SM-SM-7000	210117	2023/12/11	2024/12/10
10	EXA Spectrum Analyzer	keysight	N9010A	MY56480554/016	2024/9/13	2025/9/12
11	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01207	2023/12/18	2024/12/17
12	EMC Receiver	Keysight	N9038A	MY54130009	2024/6/27	2025/6/26
13	Pre-Amplifier	EMCI	EMC001330-202 01222	980807	2023/12/11	2024/12/10
14	Test Cable	EMCI	EMC-8D-NM-NM-5000	150106	2023/12/11	2024/12/10
15	Test Cable	EMCI	EMC-CFD-400-N M-NM-8000	200348	2023/12/11	2024/12/10
16	Test Cable	EMCI	EMC-CFD-400-N M-NM-3300	200343	2023/12/11	2024/12/10
17	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	2024/11/26	2025/11/25
3	BTL-Conducred Test	BTL	1247788684	N/A	N/A	N/A

Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	POWER METER	Anritsu	MA24408A	12591	2024/10/25	2025/10/24
2	10dbAttenuator	INMET	AHC-10dB	1	2024/11/26	2025/11/25

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	2024/11/26	2025/11/25
3	BTL-Conducred Test	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	10dbAttenuator	INMET	AHC-10dB	1	2024/11/26	2025/11/25
3	BTL-Conducred Test	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

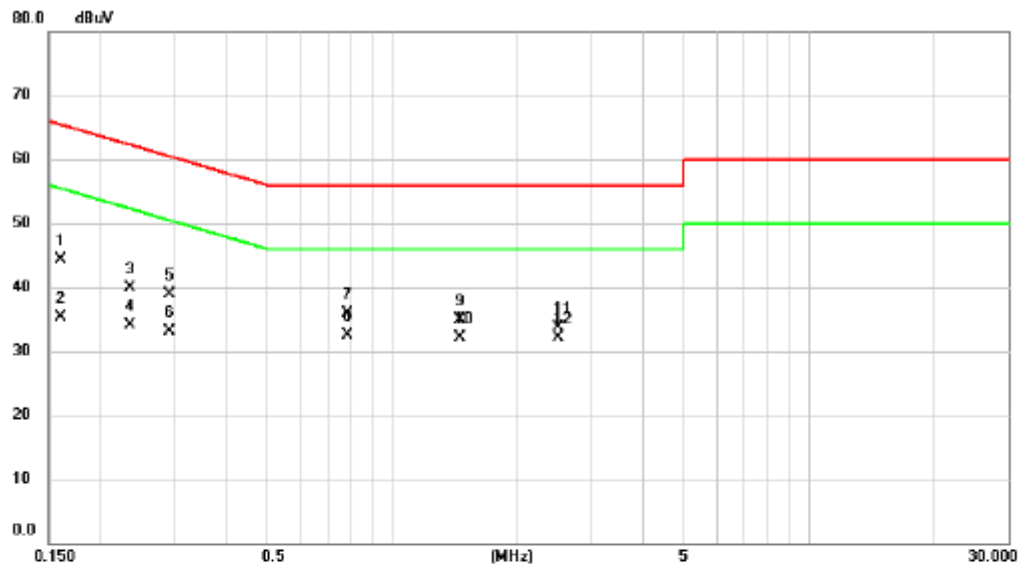
Please refer to document Appendix No.: TP-2410C274-FCCP-1 (APPENDIX-TEST PHOTOS).

11 EUT PHOTOS

Please refer to document Appendix No.: EP-2410C274 -1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Tested Date	2024/11/20
Test Frequency	-	Phase	Line

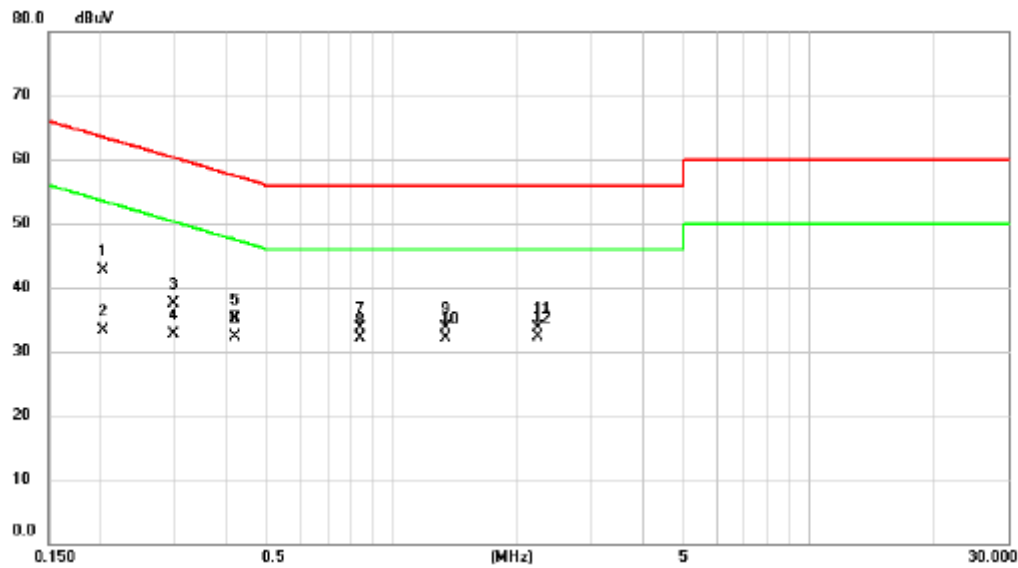


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1607	34.71	9.65	44.36	65.43	-21.07	QP	
2		0.1607	25.71	9.65	35.36	55.43	-20.07	AVG	
3		0.2353	30.25	9.63	39.88	62.26	-22.38	QP	
4		0.2353	24.46	9.63	34.09	52.26	-18.17	AVG	
5		0.2924	29.31	9.63	38.94	60.46	-21.52	QP	
6		0.2924	23.46	9.63	33.09	50.46	-17.37	AVG	
7		0.7834	26.20	9.66	35.86	56.00	-20.14	QP	
8	*	0.7834	22.82	9.66	32.48	46.00	-13.52	AVG	
9		1.4540	25.11	9.74	34.85	56.00	-21.15	QP	
10		1.4540	22.41	9.74	32.15	46.00	-13.85	AVG	
11		2.5070	23.94	9.80	33.74	56.00	-22.26	QP	
12		2.5070	22.36	9.80	32.16	46.00	-13.84	AVG	

REMARKS:

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

Test Mode	Normal	Tested Date	2024/11/20
Test Frequency	-	Phase	Neutral

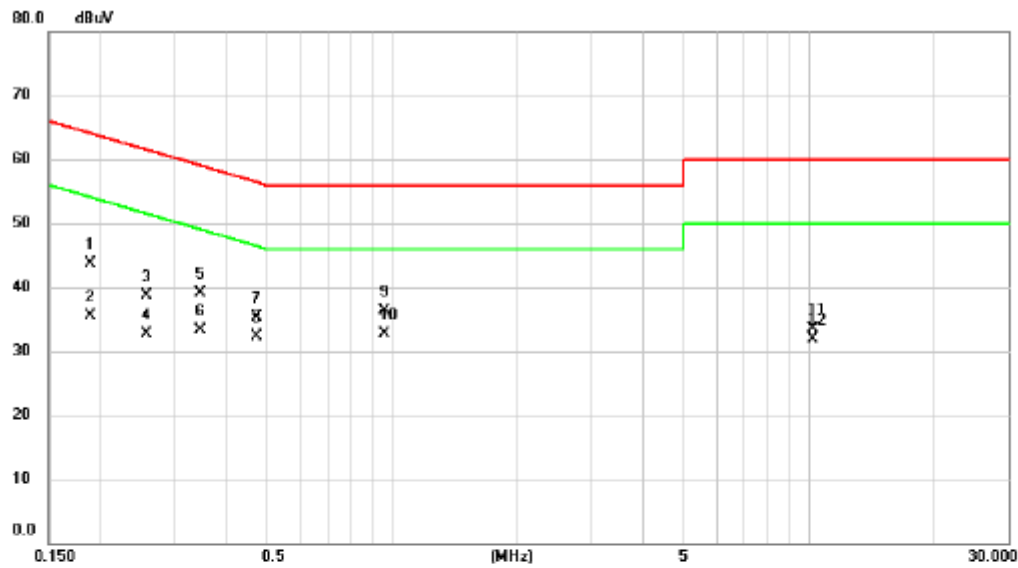


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.2028	33.03	9.63	42.66	63.50	-20.84	QP	
2	0.2028	23.77	9.63	33.40	53.50	-20.10	AVG	
3	0.2983	27.92	9.64	37.56	60.29	-22.73	QP	
4	0.2983	23.13	9.64	32.77	50.29	-17.52	AVG	
5	0.4195	25.41	9.63	35.04	57.46	-22.42	QP	
6	0.4195	22.58	9.63	32.21	47.46	-15.25	AVG	
7	0.8375	23.96	9.68	33.64	56.00	-22.36	QP	
8	0.8375	22.43	9.68	32.11	46.00	-13.89	AVG	
9	1.3460	24.02	9.72	33.74	56.00	-22.26	QP	
10	1.3460	22.41	9.72	32.13	46.00	-13.87	AVG	
11	2.2415	23.96	9.79	33.75	56.00	-22.25	QP	
12 *	2.2415	22.47	9.79	32.26	46.00	-13.74	AVG	

REMARKS:

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

Test Mode	Idle	Tested Date	2024/11/20
Test Frequency	-	Phase	Line

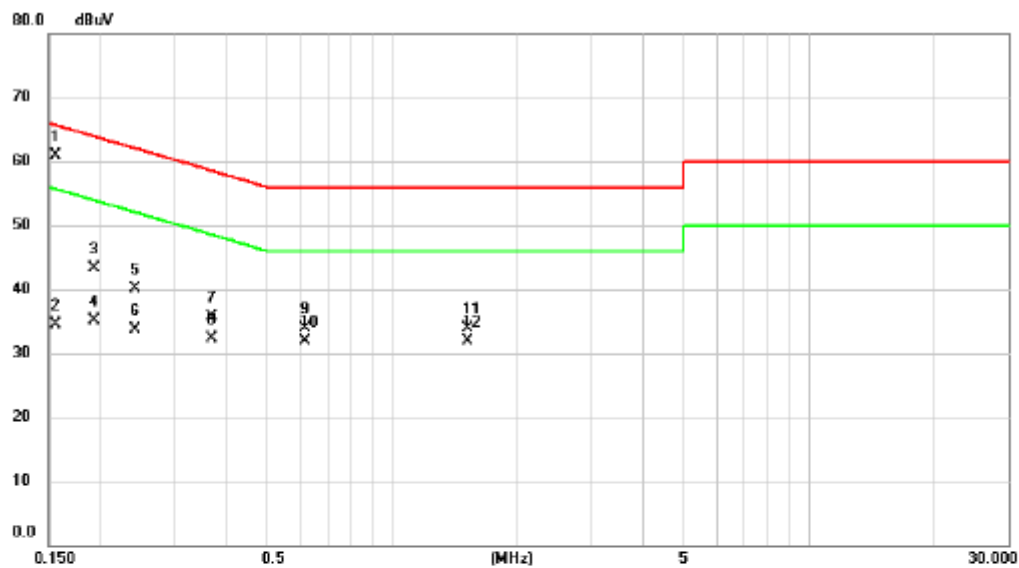


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1892	34.11	9.64	43.75	64.07	-20.32	QP	
2		0.1892	25.95	9.64	35.59	54.07	-18.48	AVG	
3		0.2574	29.04	9.64	38.68	61.51	-22.83	QP	
4		0.2574	23.05	9.64	32.69	51.51	-18.82	AVG	
5		0.3453	29.50	9.65	39.15	59.07	-19.92	QP	
6		0.3453	23.68	9.65	33.33	49.07	-15.74	AVG	
7		0.4734	25.70	9.66	35.36	56.45	-21.09	QP	
8		0.4734	22.73	9.66	32.39	46.45	-14.06	AVG	
9		0.9590	26.66	9.70	36.36	56.00	-19.64	QP	
10	*	0.9590	22.97	9.70	32.67	46.00	-13.33	AVG	
11		10.2500	23.50	10.04	33.54	60.00	-26.46	QP	
12		10.2500	21.86	10.04	31.90	50.00	-18.10	AVG	

REMARKS:

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

Test Mode	Idle	Tested Date	2024/11/20
Test Frequency	-	Phase	Neutral



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1556	51.34	9.63	60.97	65.70	-4.73	QP	
2	0.1556	24.91	9.63	34.54	55.70	-21.16	AVG	
3	0.1927	33.73	9.63	43.36	63.92	-20.56	QP	
4	0.1927	25.50	9.63	35.13	53.92	-18.79	AVG	
5	0.2410	30.46	9.63	40.09	62.06	-21.97	QP	
6	0.2410	24.02	9.63	33.65	52.06	-18.41	AVG	
7	0.3698	26.15	9.63	35.78	58.51	-22.73	QP	
8	0.3698	22.66	9.63	32.29	48.51	-16.22	AVG	
9	0.6170	24.34	9.65	33.99	56.00	-22.01	QP	
10	0.6170	22.34	9.65	31.99	46.00	-14.01	AVG	
11	1.5215	24.14	9.74	33.88	56.00	-22.12	QP	
12	1.5215	22.21	9.74	31.95	46.00	-14.05	AVG	

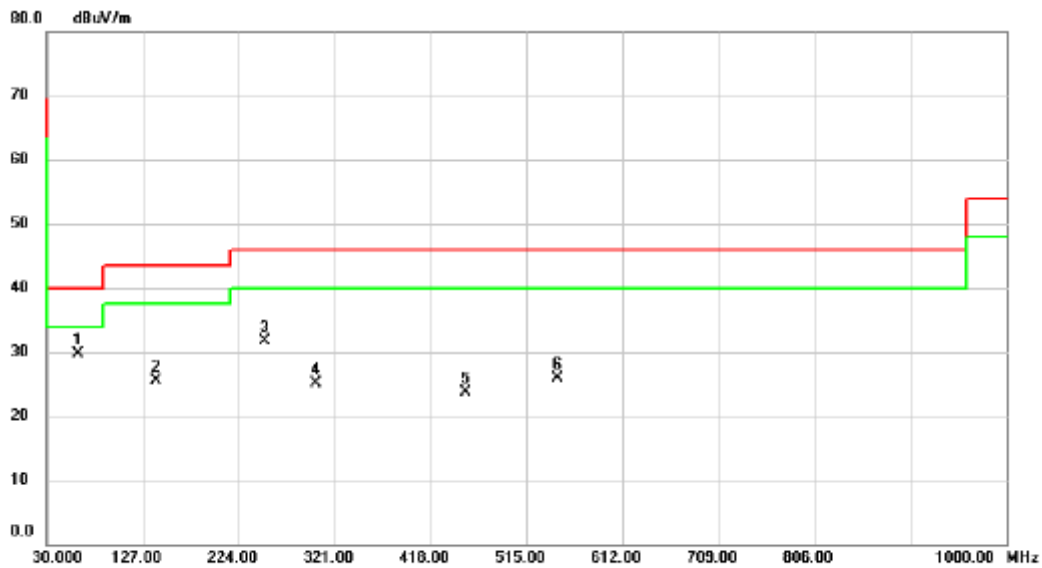
REMARKS:

(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 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2452 MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

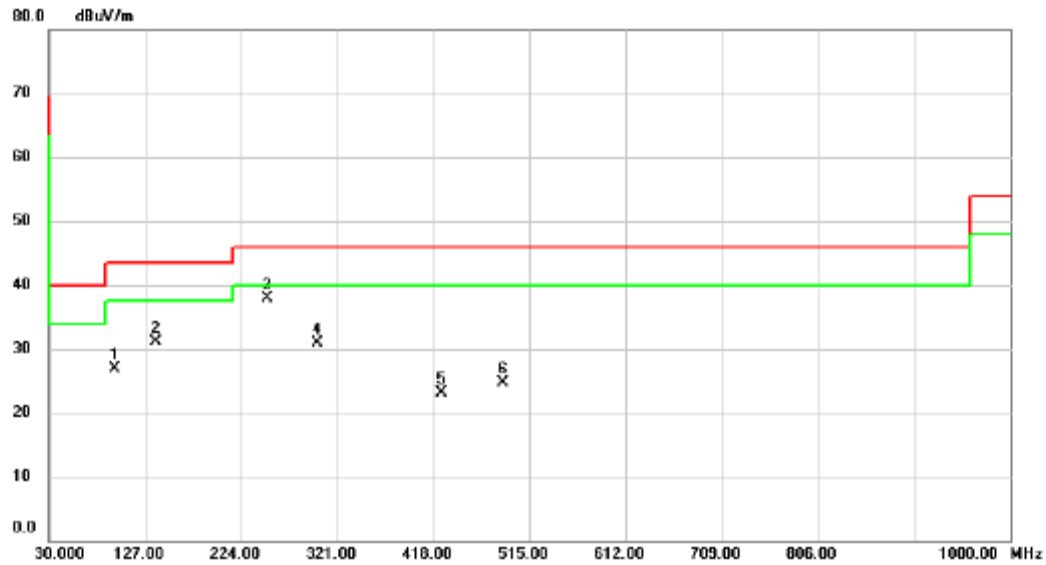


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	62.0100	41.92	-12.19	29.73	40.00	-10.27	peak	
2		140.5800	37.37	-11.92	25.45	43.50	-18.05	peak	
3		250.1900	43.67	-11.99	31.68	46.00	-14.32	peak	
4		301.6000	35.37	-10.21	25.16	46.00	-20.84	peak	
5		453.8900	29.59	-5.93	23.66	46.00	-22.34	peak	
6		547.0100	30.10	-4.27	25.83	46.00	-20.17	peak	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2452 MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%



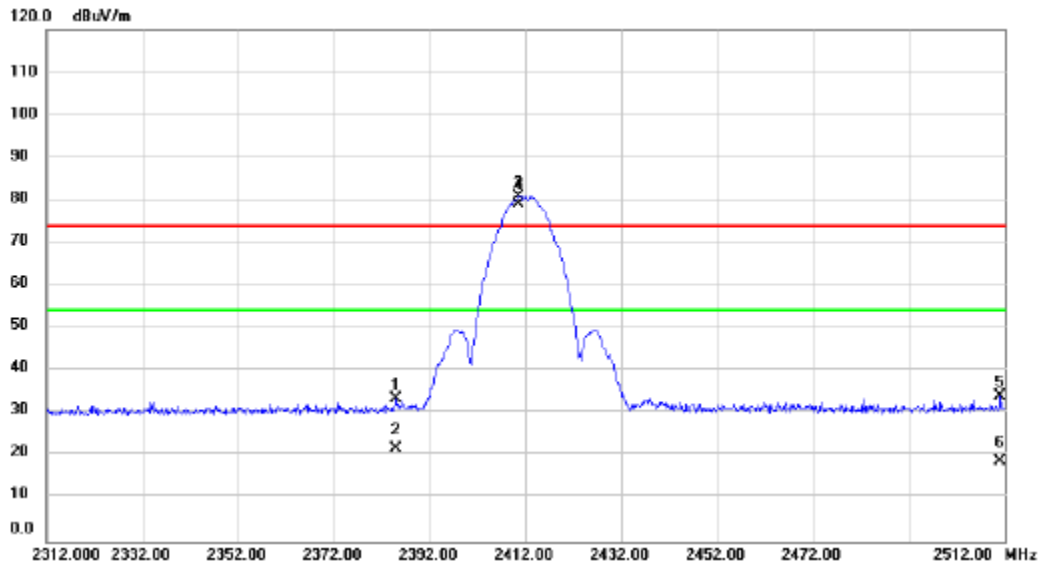
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	95.9600	43.54	-16.64	26.90	43.50	-16.60	peak	
2	137.6700	43.23	-12.21	31.02	43.50	-12.48	peak	
3 *	250.1900	49.85	-11.99	37.86	46.00	-8.14	peak	
4	300.6300	41.18	-10.24	30.94	46.00	-15.06	peak	
5	426.7300	29.85	-6.70	23.15	46.00	-22.85	peak	
6	488.8100	30.19	-5.41	24.78	46.00	-21.22	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	2024/11/20
Test Frequency	2412MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

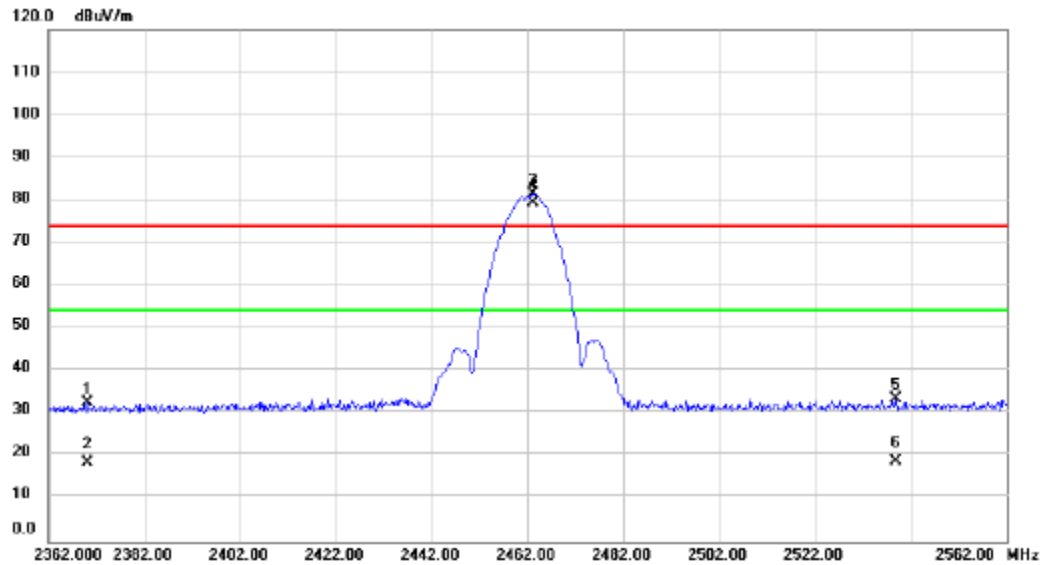


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2385.000	39.54	-6.13	33.41	74.00	-40.59	peak	
2		2385.000	27.84	-6.13	21.71	54.00	-32.29	AVG	
3	X	2410.600	87.08	-6.08	81.00	74.00	7.00	peak	No Limit
4	*	2410.600	85.01	-6.08	78.93	54.00	24.93	AVG	No Limit
5		2511.200	39.92	-5.83	34.09	74.00	-39.91	peak	
6		2511.200	24.56	-5.83	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 802.11b	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

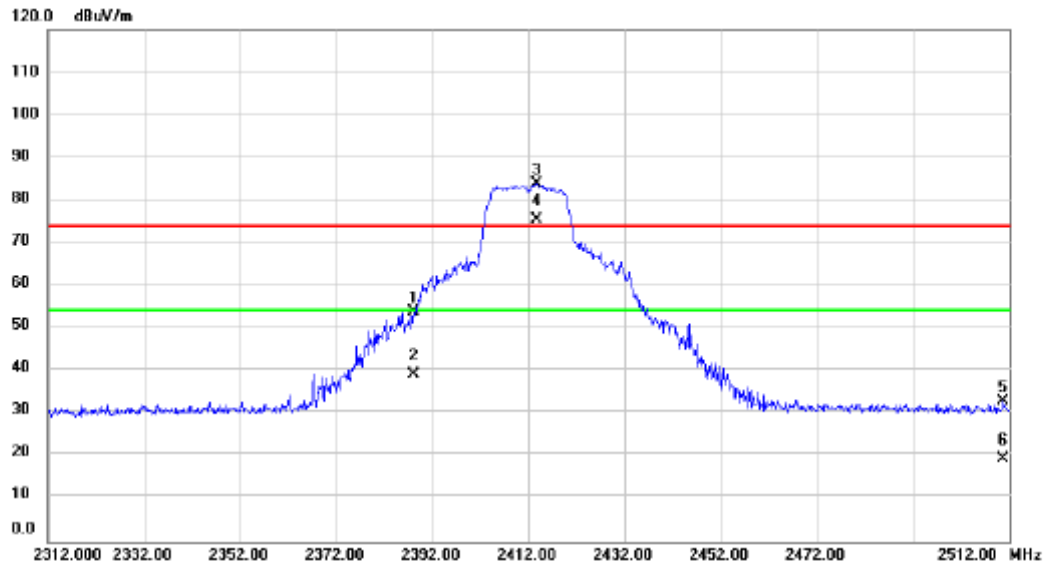


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2370.000	38.75	-6.16	32.59	74.00	-41.41	peak	
2		2370.000	24.62	-6.16	18.46	54.00	-35.54	AVG	
3	X	2463.200	87.49	-5.96	81.53	74.00	7.53	peak	No Limit
4	*	2463.200	85.22	-5.96	79.26	54.00	25.26	AVG	No Limit
5		2538.800	39.20	-5.73	33.47	74.00	-40.53	peak	
6		2538.800	24.53	-5.73	18.80	54.00	-35.20	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2024/11/20
Test Frequency	2412MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

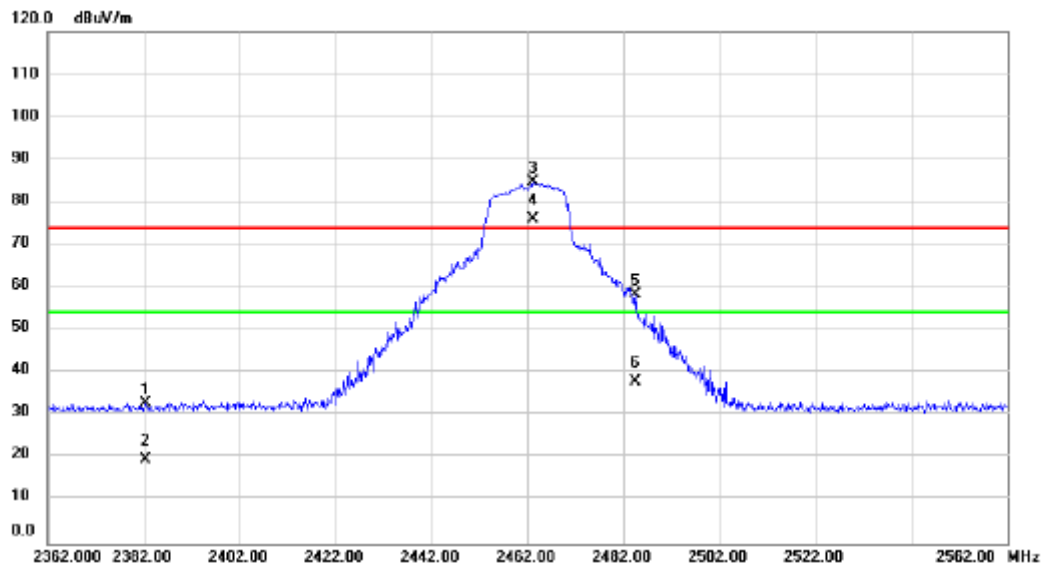


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2388.200	59.97	-6.12	53.85	74.00	-20.15	peak	
2		2388.200	45.41	-6.12	39.29	54.00	-14.71	AVG	
3	X	2413.800	90.02	-6.06	83.96	74.00	9.96	peak	No Limit
4	*	2413.800	81.37	-6.06	75.31	54.00	21.31	AVG	No Limit
5		2510.800	38.55	-5.84	32.71	74.00	-41.29	peak	
6		2510.800	25.30	-5.84	19.46	54.00	-34.54	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

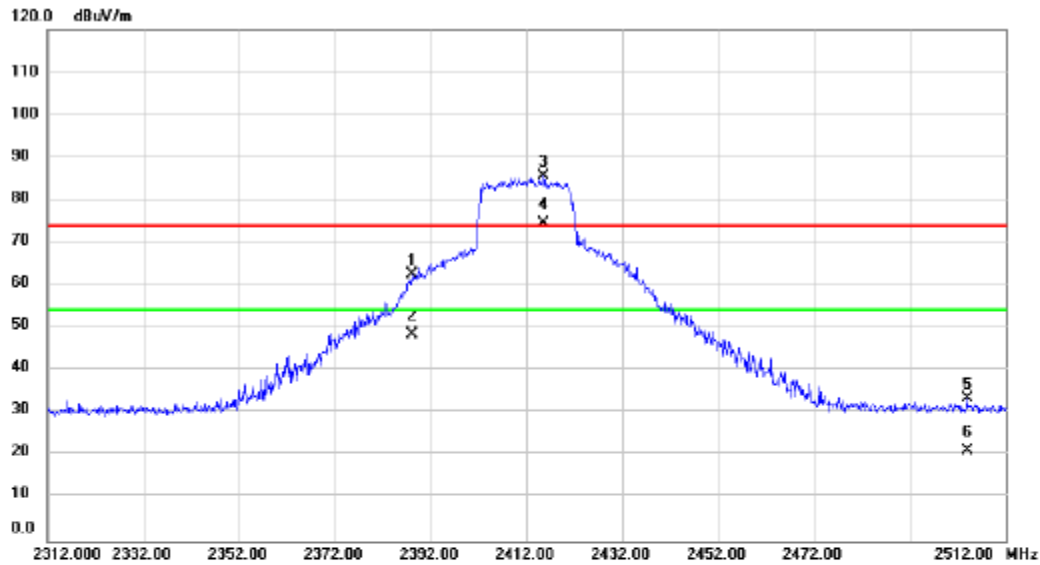


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2382.400	38.91	-6.13	32.78	74.00	-41.22	peak	
2		2382.400	25.72	-6.13	19.59	54.00	-34.41	AVG	
3	X	2463.200	90.72	-5.96	84.76	74.00	10.76	peak	No Limit
4	*	2463.200	82.05	-5.96	76.09	54.00	22.09	AVG	No Limit
5		2484.600	64.26	-5.91	58.35	74.00	-15.65	peak	
6		2484.600	43.92	-5.91	38.01	54.00	-15.99	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/11/20
Test Frequency	2412MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

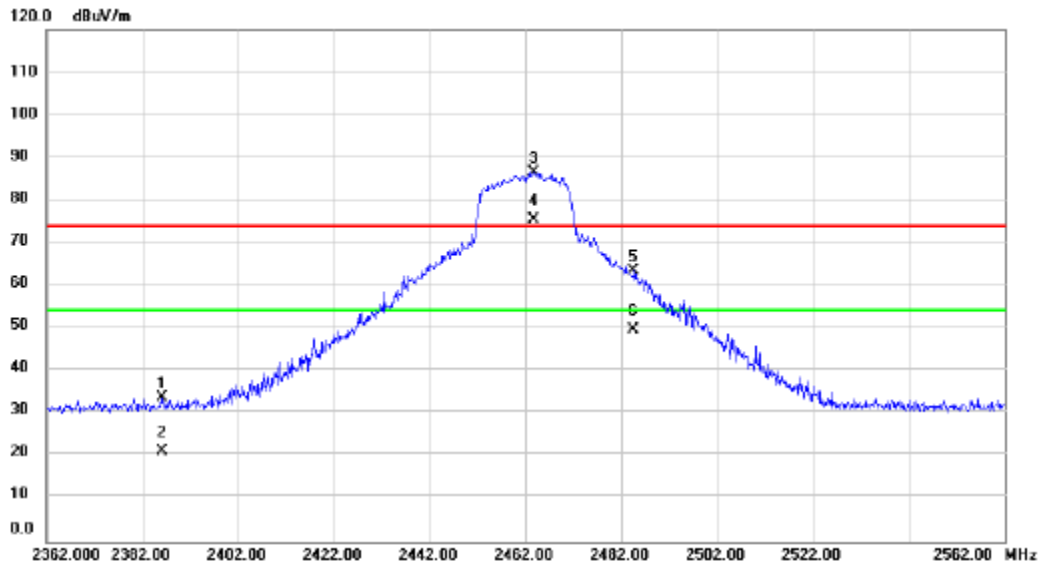


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2388.200	68.53	-6.12	62.41	74.00	-11.59	peak	
2	2388.200	54.72	-6.12	48.60	54.00	-5.40	AVG	
3 X	2415.600	91.62	-6.06	85.56	74.00	11.56	peak	No Limit
4 *	2415.600	80.48	-6.06	74.42	54.00	20.42	AVG	No Limit
5	2504.000	39.22	-5.87	33.35	74.00	-40.65	peak	
6	2504.000	27.05	-5.87	21.18	54.00	-32.82	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

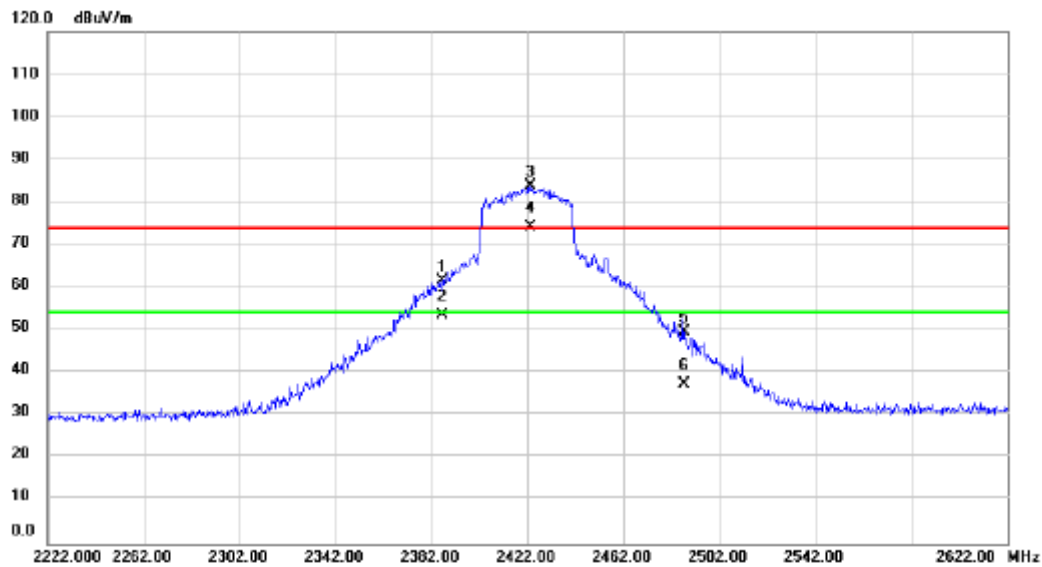


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2386.000	39.90	-6.13	33.77	74.00	-40.23	peak	
2		2386.000	27.35	-6.13	21.22	54.00	-32.78	AVG	
3	X	2463.800	92.63	-5.95	86.68	74.00	12.68	peak	No Limit
4	*	2463.800	81.27	-5.95	75.32	54.00	21.32	AVG	No Limit
5		2484.600	69.51	-5.91	63.60	74.00	-10.40	peak	
6		2484.600	55.61	-5.91	49.70	54.00	-4.30	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2422MHz	Polarization	Vertical
Temp	25°C	Hum.	65%



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2386.400	67.70	-6.13	61.57	74.00	-12.43	peak	
2		2386.400	59.55	-6.13	53.42	54.00	-0.58	AVG	
3	X	2423.600	89.77	-6.04	83.73	74.00	9.73	peak	No Limit
4	*	2423.600	80.22	-6.04	74.18	54.00	20.18	AVG	No Limit
5		2487.600	55.42	-5.90	49.52	74.00	-24.48	peak	
6		2487.600	43.28	-5.90	37.38	54.00	-16.62	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2452MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

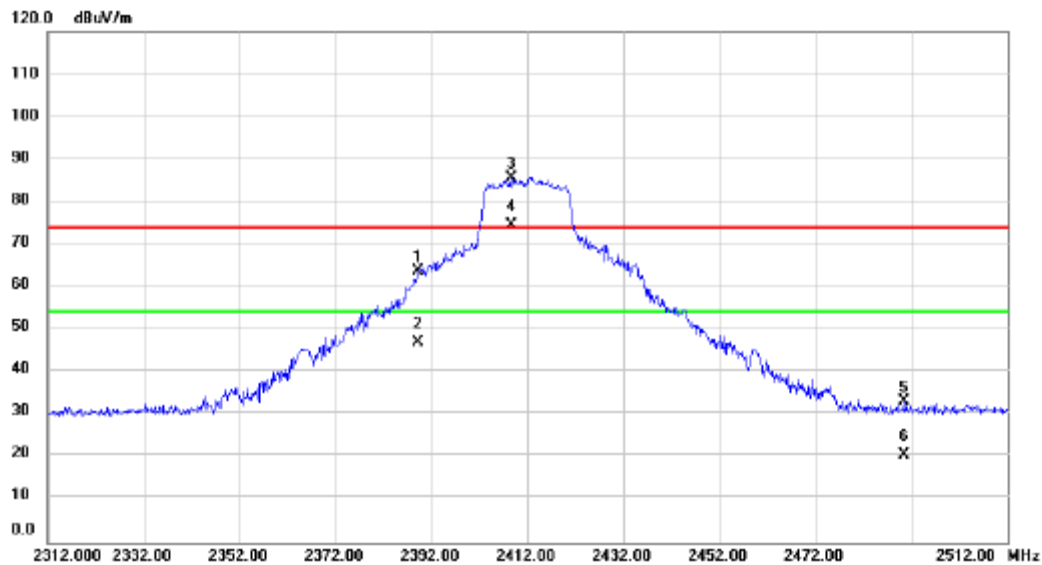


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2386.000	54.37	-6.13	48.24	74.00	-25.76	peak	
2		2386.000	42.01	-6.13	35.88	54.00	-18.12	AVG	
3	X	2460.400	88.67	-5.97	82.70	74.00	8.70	peak	No Limit
4	*	2460.400	78.35	-5.97	72.38	54.00	18.38	AVG	No Limit
5		2487.600	67.61	-5.90	61.71	74.00	-12.29	peak	
6		2487.600	58.67	-5.90	52.77	54.00	-1.23	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/11/20
Test Frequency	2412MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

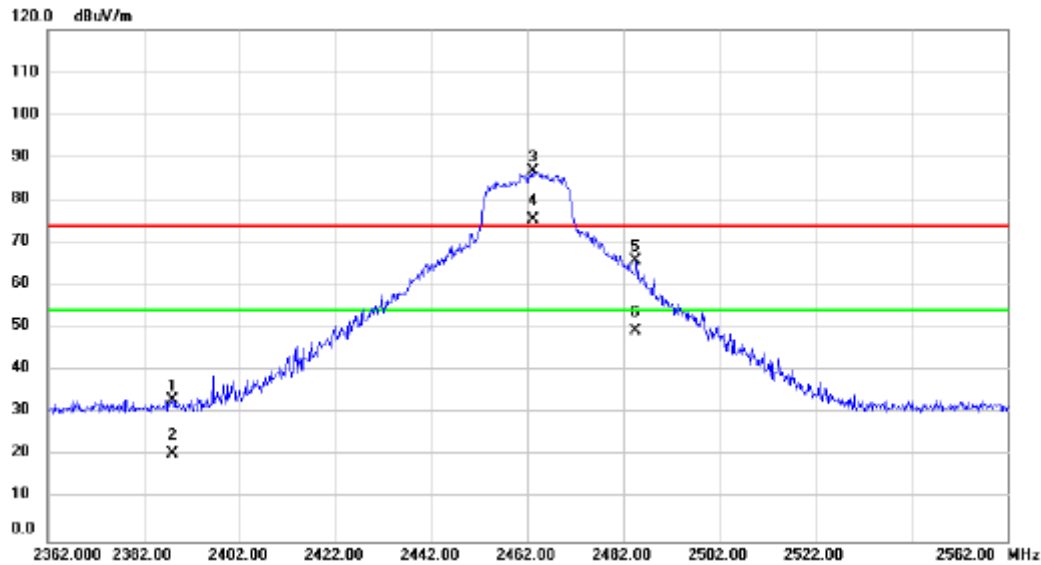


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2389.200	69.86	-6.12	63.74	74.00	-10.26	peak	
2		2389.200	53.10	-6.12	46.98	54.00	-7.02	AVG	
3	X	2408.600	91.75	-6.08	85.67	74.00	11.67	peak	No Limit
4	*	2408.600	80.51	-6.08	74.43	54.00	20.43	AVG	No Limit
5		2490.400	39.03	-5.90	33.13	74.00	-40.87	peak	
6		2490.400	26.35	-5.90	20.45	54.00	-33.55	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

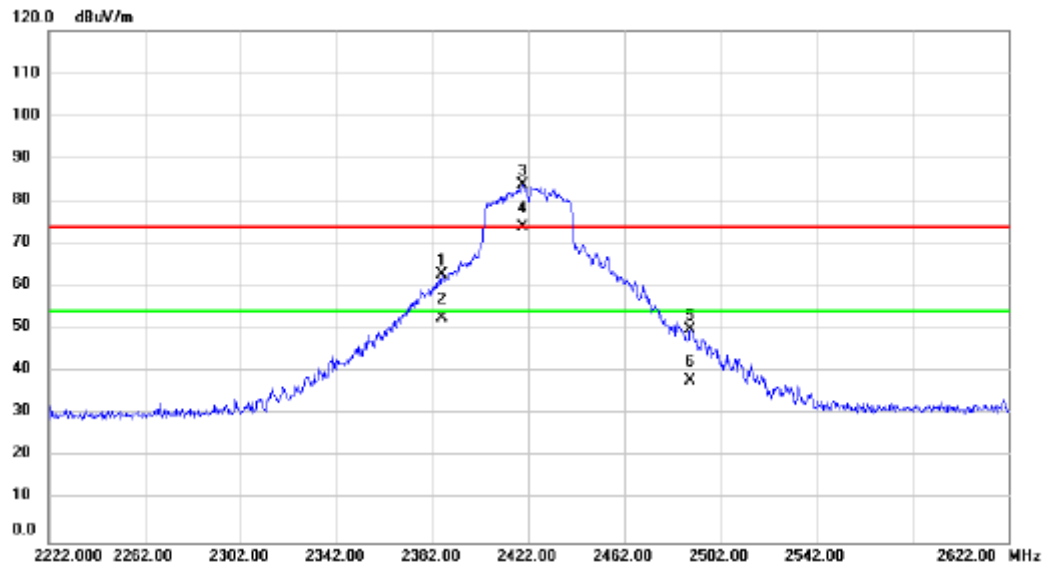


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2388.000	39.40	-6.12	33.28	74.00	-40.72	peak	
2		2388.000	26.71	-6.12	20.59	54.00	-33.41	AVG	
3	X	2463.200	92.69	-5.96	86.73	74.00	12.73	peak	No Limit
4	*	2463.200	81.38	-5.96	75.42	54.00	21.42	AVG	No Limit
5		2484.600	71.61	-5.91	65.70	74.00	-8.30	peak	
6		2484.600	55.24	-5.91	49.33	54.00	-4.67	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/11/20
Test Frequency	2422MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

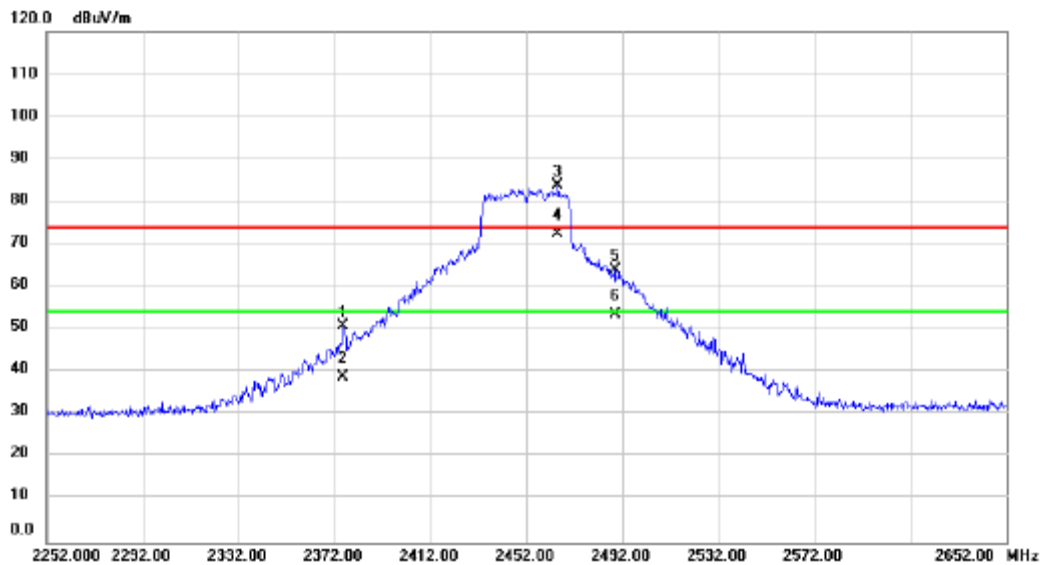


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2386.000	68.97	-6.13	62.84	74.00	-11.16	peak	
2		2386.000	58.69	-6.13	52.56	54.00	-1.44	AVG	
3	X	2419.600	90.03	-6.06	83.97	74.00	9.97	peak	No Limit
4	*	2419.600	80.00	-6.06	73.94	54.00	19.94	AVG	No Limit
5		2489.600	55.88	-5.90	49.98	74.00	-24.02	peak	
6		2489.600	43.94	-5.90	38.04	54.00	-15.96	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/11/20
Test Frequency	2452MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

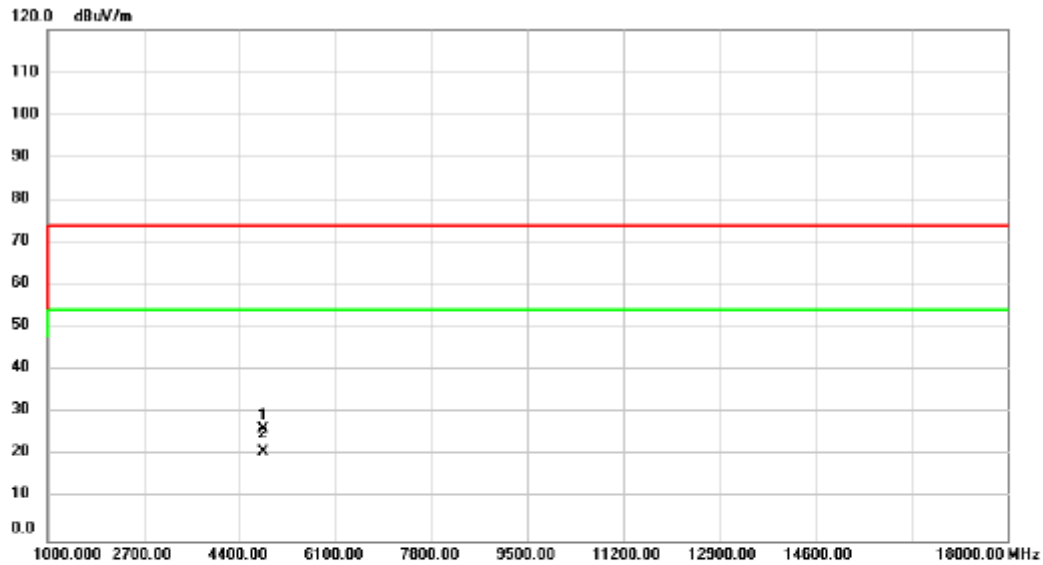


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2375.600	56.87	-6.15	50.72	74.00	-23.28	peak	
2	2375.600	45.00	-6.15	38.85	54.00	-15.15	AVG	
3 X	2465.200	89.83	-5.95	83.88	74.00	9.88	peak	No Limit
4 *	2465.200	78.48	-5.95	72.53	54.00	18.53	AVG	No Limit
5	2488.800	70.07	-5.90	64.17	74.00	-9.83	peak	
6	2488.800	59.59	-5.90	53.69	54.00	-0.31	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2024/11/20
Test Frequency	2412MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

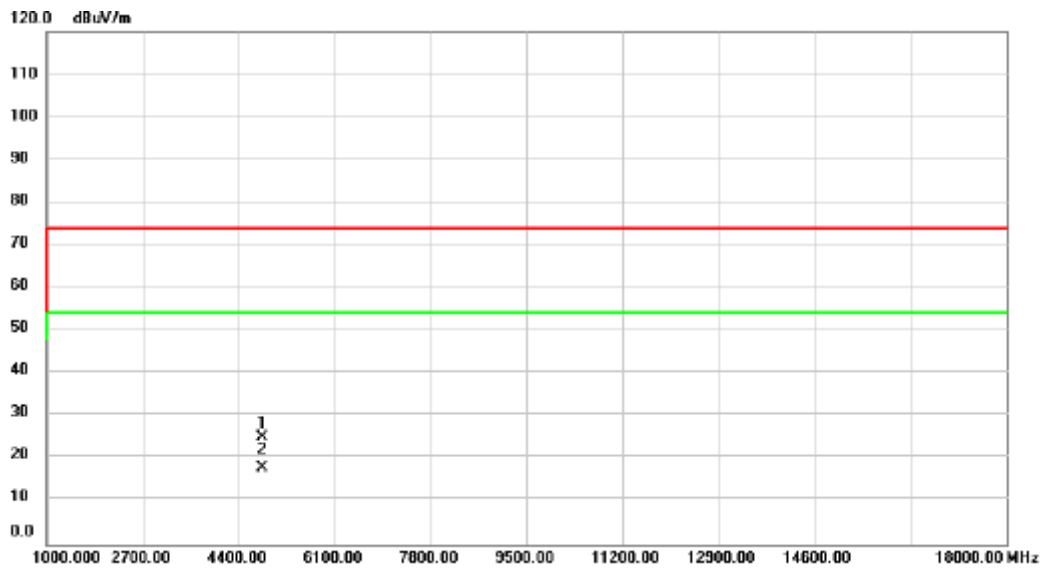


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	34.82	-8.57	26.25	74.00	-47.75	peak	
2	*	4824.000	29.31	-8.57	20.74	54.00	-33.26	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2024/11/20
Test Frequency	2412MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

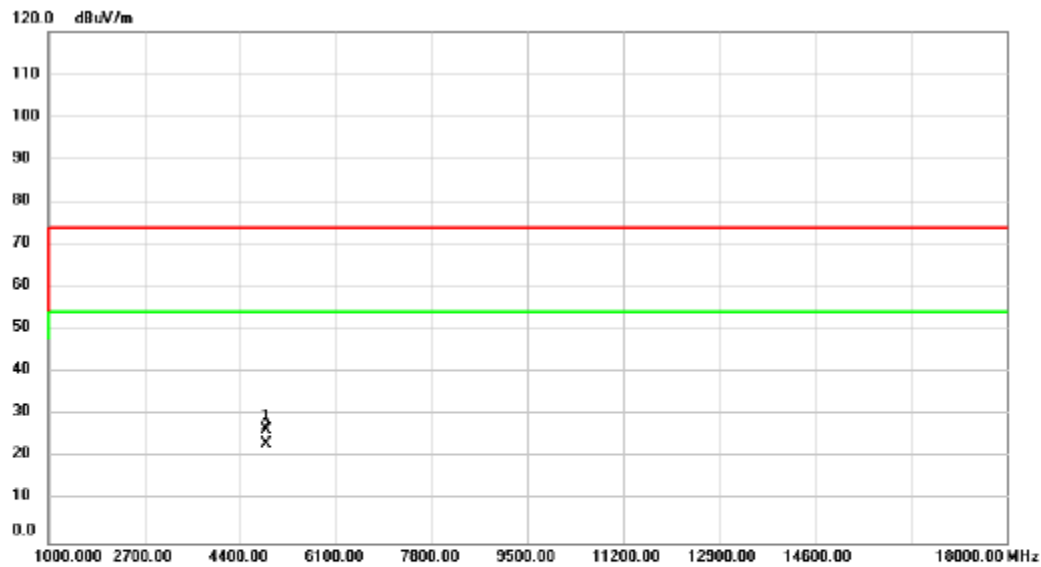


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	33.62	-8.57	25.05	74.00	-48.95	peak	
2	*	4824.000	26.30	-8.57	17.73	54.00	-36.27	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

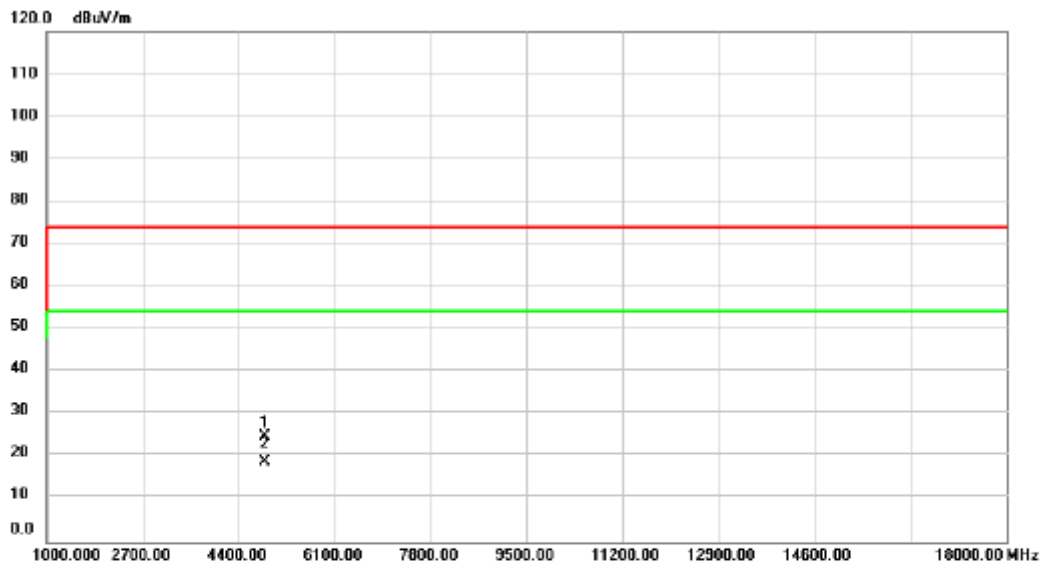


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	35.08	-8.44	26.64	74.00	-47.36	peak	
2	*	4874.000	31.71	-8.44	23.27	54.00	-30.73	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

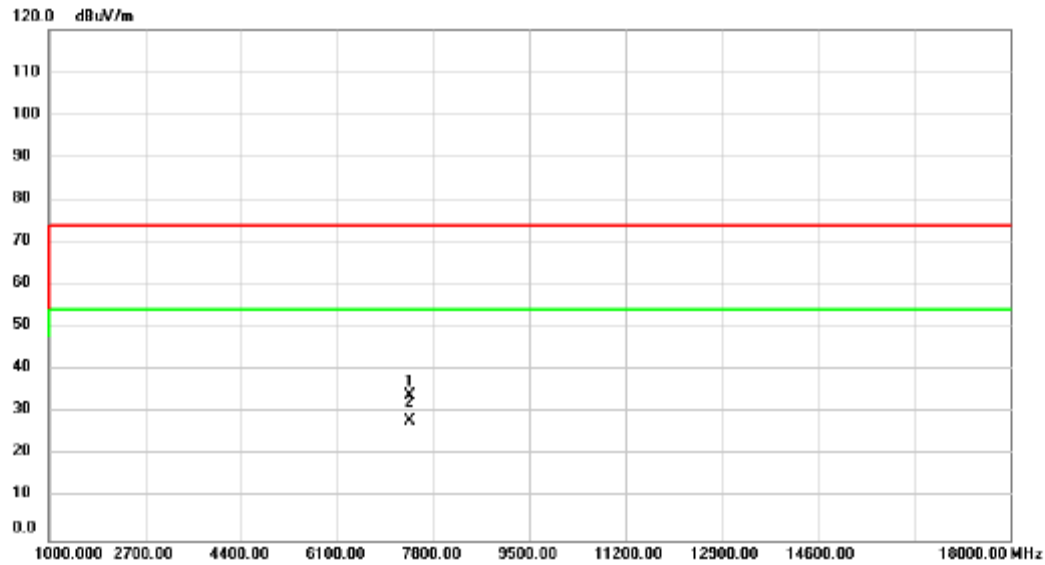


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	33.32	-8.44	24.88	74.00	-49.12	peak	
2	*	4874.000	27.34	-8.44	18.90	54.00	-35.10	AVG	

REMARKS:

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

Test Mode	IEEE 802.11b	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

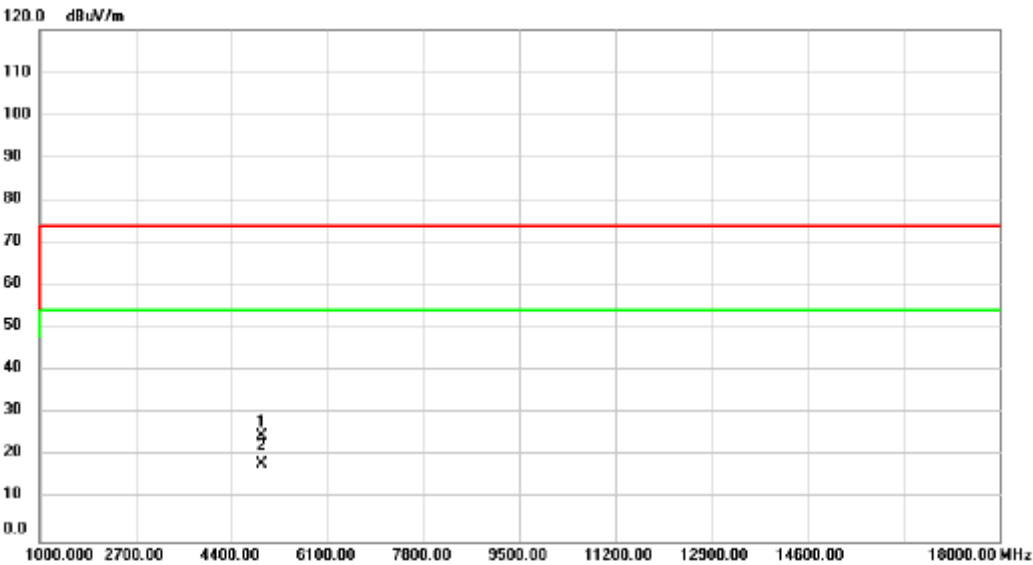


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		7386.000	37.48	-3.36	34.12	74.00	-39.88	peak	
2	*	7386.000	31.56	-3.36	28.20	54.00	-25.80	AVG	

REMARKS:

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

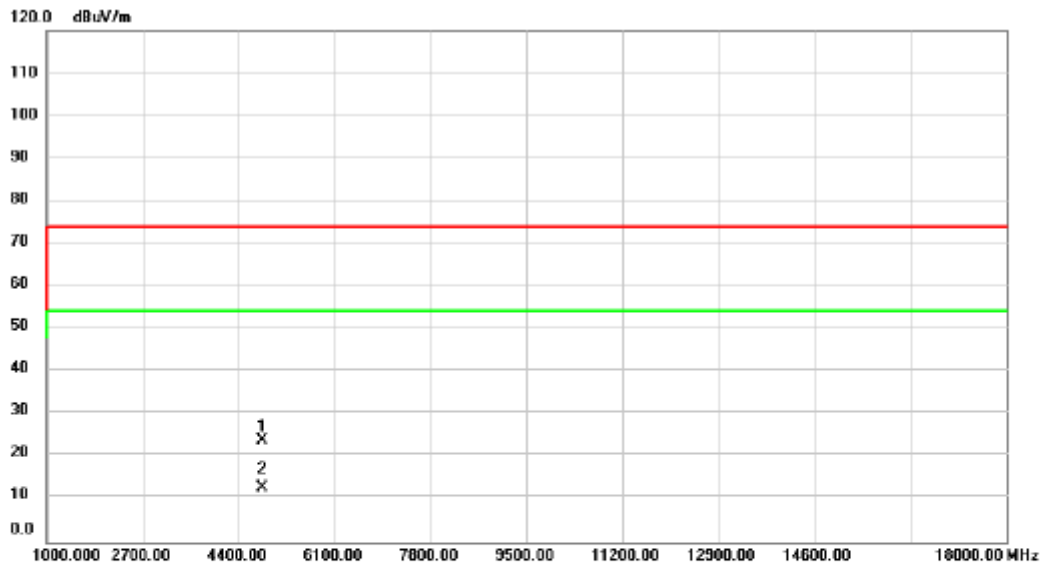
Test Mode	IEEE 802.11b	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	33.15	-8.33	24.82	74.00	-49.18	peak	
2	*	4924.000	26.39	-8.33	18.06	54.00	-35.94	AVG	

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

Test Mode	IEEE 802.11g	Test Date	2024/11/20
Test Frequency	2412MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

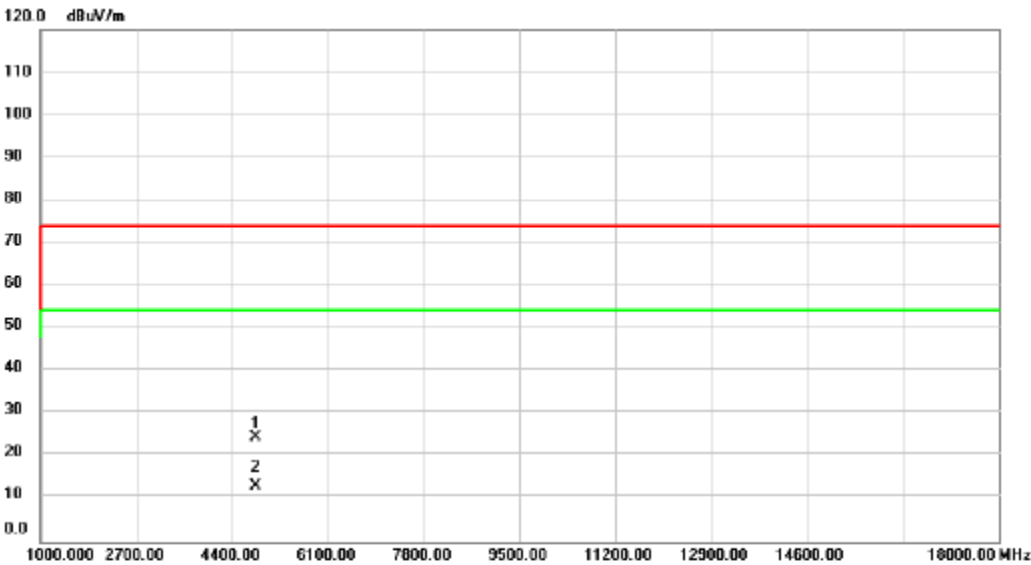


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	32.48	-8.57	23.91	74.00	-50.09	peak	
2	*	4824.000	21.33	-8.57	12.76	54.00	-41.24	AVG	

REMARKS:

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

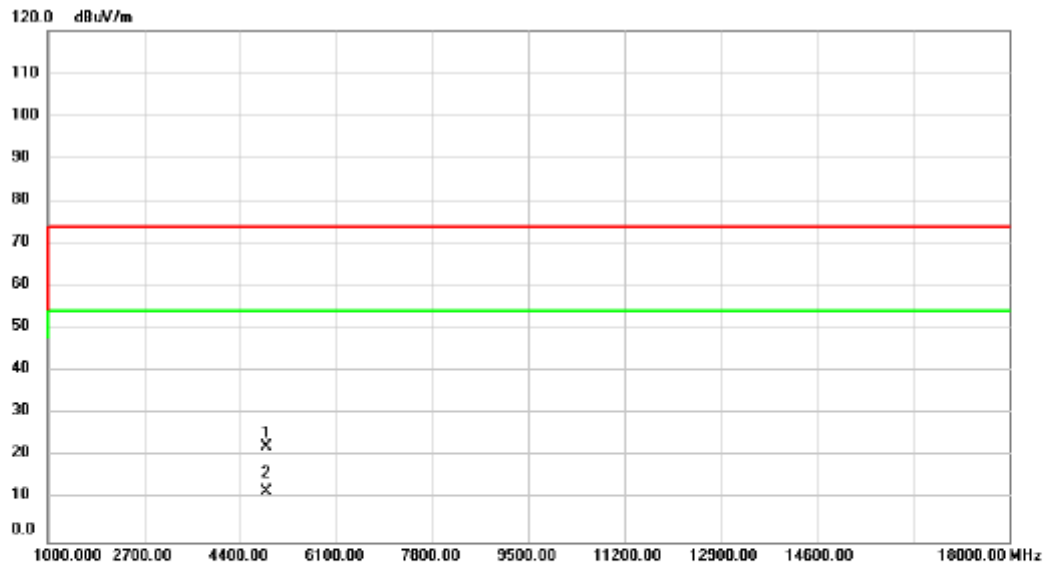
Test Mode	IEEE 802.11g	Test Date	2024/11/20
Test Frequency	2412MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	32.99	-8.57	24.42	74.00	-49.58	peak	
2	*	4824.000	21.71	-8.57	13.14	54.00	-40.86	AVG	

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

Test Mode	IEEE 802.11g	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

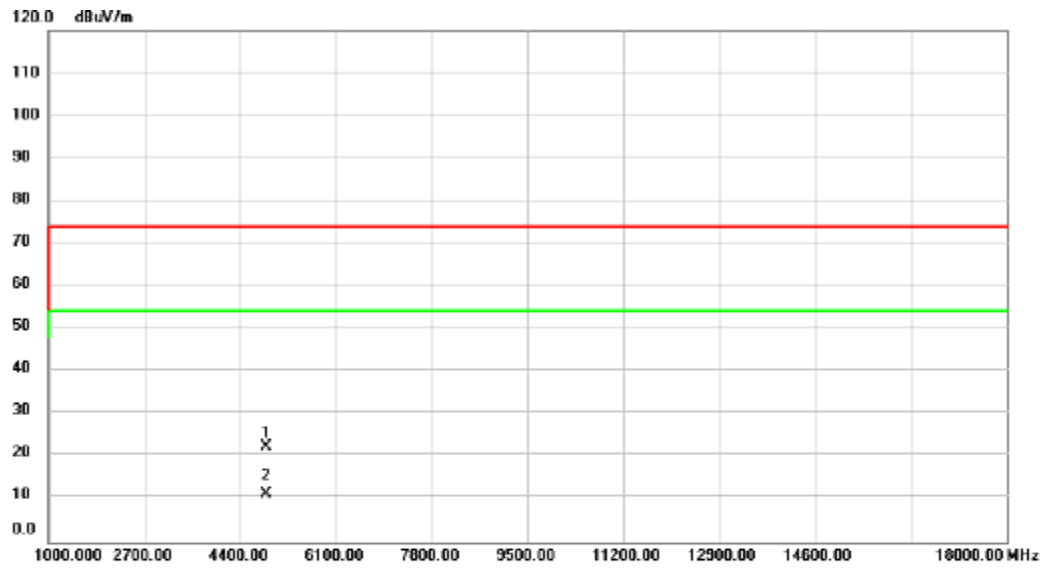


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	30.74	-8.44	22.30	74.00	-51.70	peak	
2	*	4874.000	20.27	-8.44	11.83	54.00	-42.17	AVG	

REMARKS:

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

Test Mode	IEEE 802.11g	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

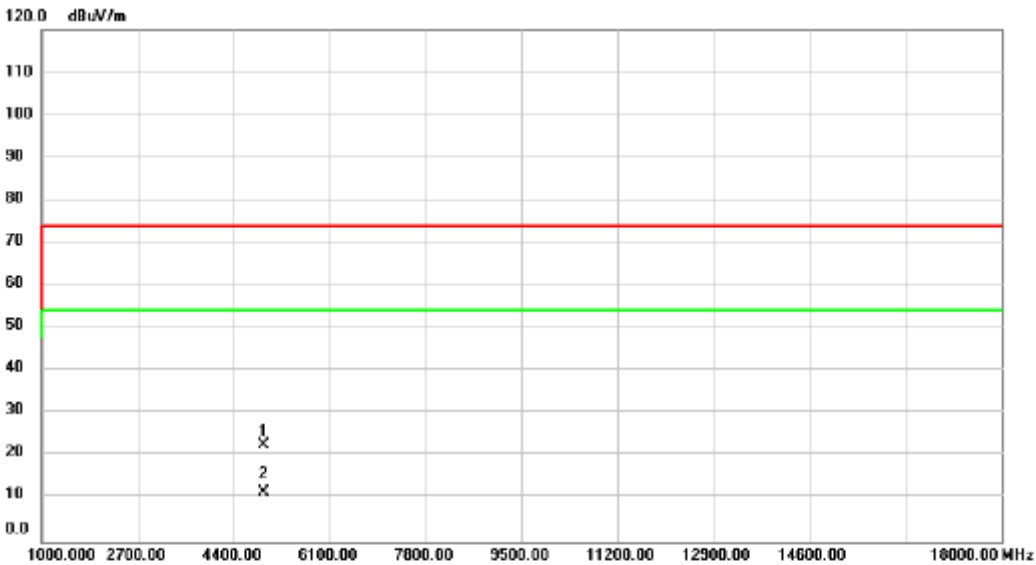


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.000	30.93	-8.44	22.49	74.00	-51.51	peak	
2 *	4874.000	19.74	-8.44	11.30	54.00	-42.70	AVG	

REMARKS:

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

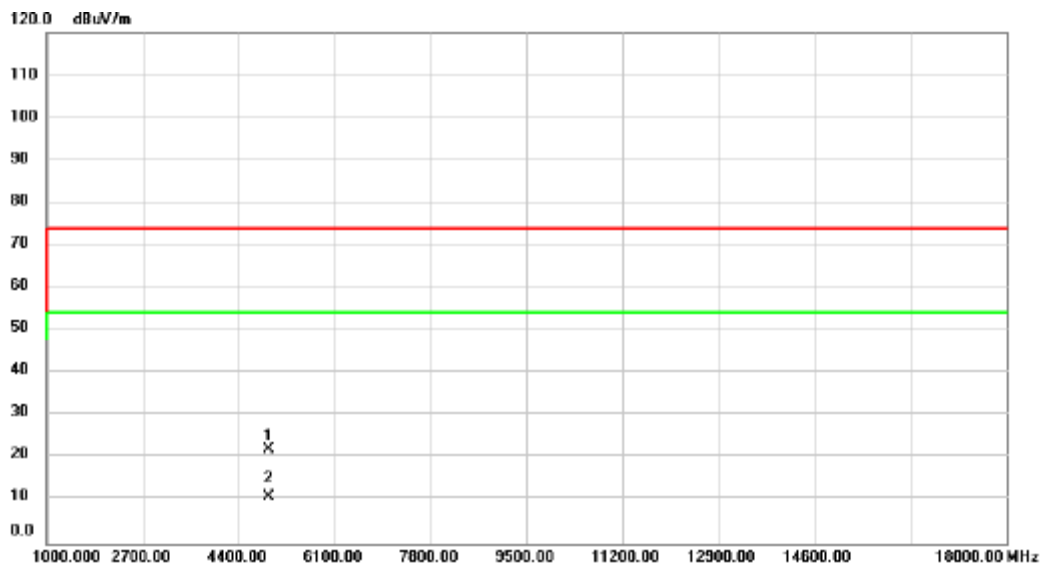
Test Mode	IEEE 802.11g	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Vertical
Temp	25°C	Hum.	65%



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	31.13	-8.33	22.80	74.00	-51.20	peak	
2	*	4924.000	19.76	-8.33	11.43	54.00	-42.57	AVG	

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

Test Mode	IEEE 802.11g	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

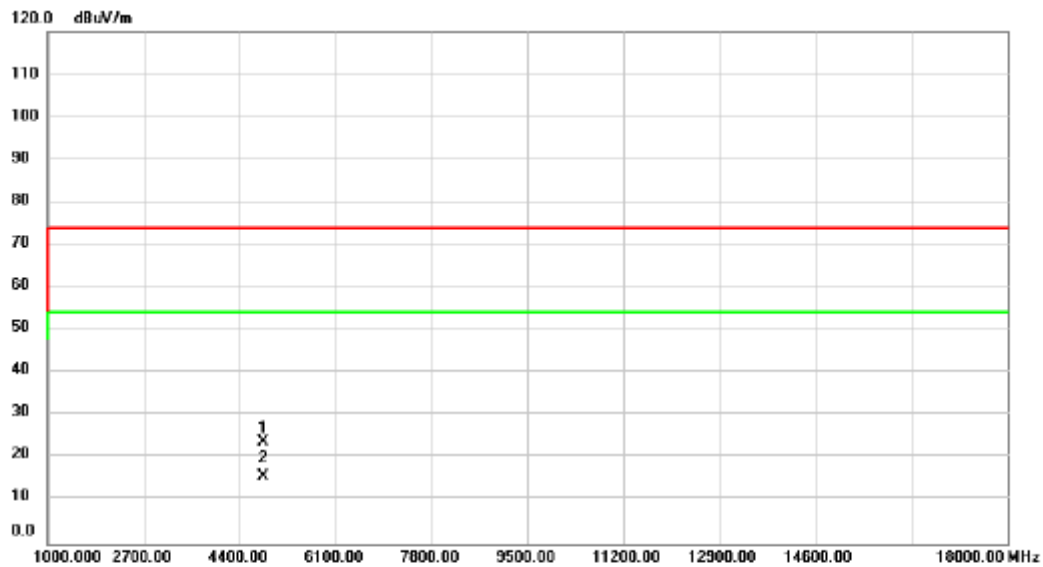


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	30.42	-8.33	22.09	74.00	-51.91	peak	
2	*	4924.000	19.31	-8.33	10.98	54.00	-43.02	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/11/20
Test Frequency	2412MHz	Polarization	Vertical
Temp	25°C	Hum.	65%



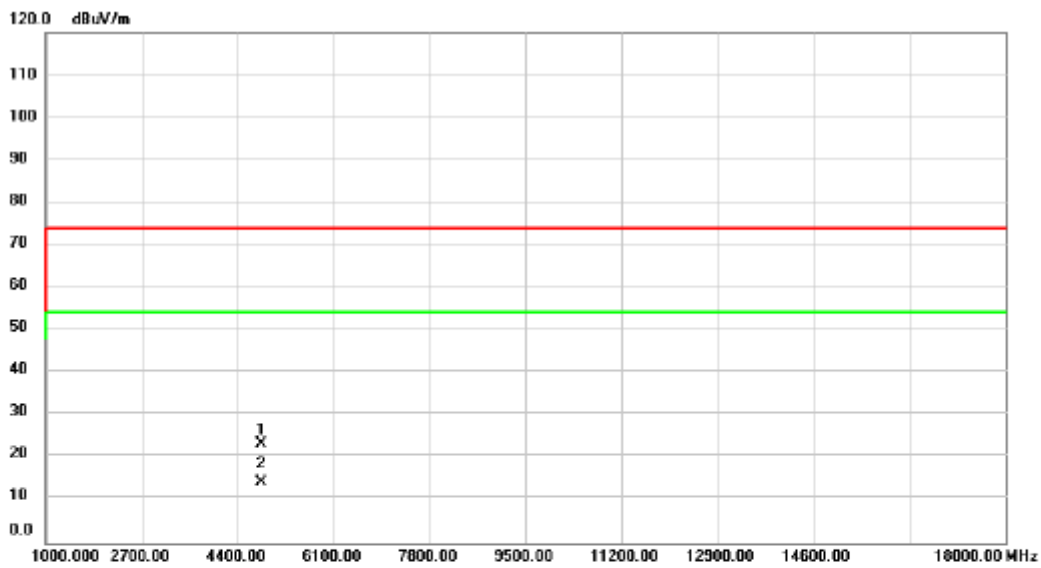
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	32.32	-8.57	23.75	74.00	-50.25	peak	
2	*	4824.000	24.34	-8.57	15.77	54.00	-38.23	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/11/20
Test Frequency	2412MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

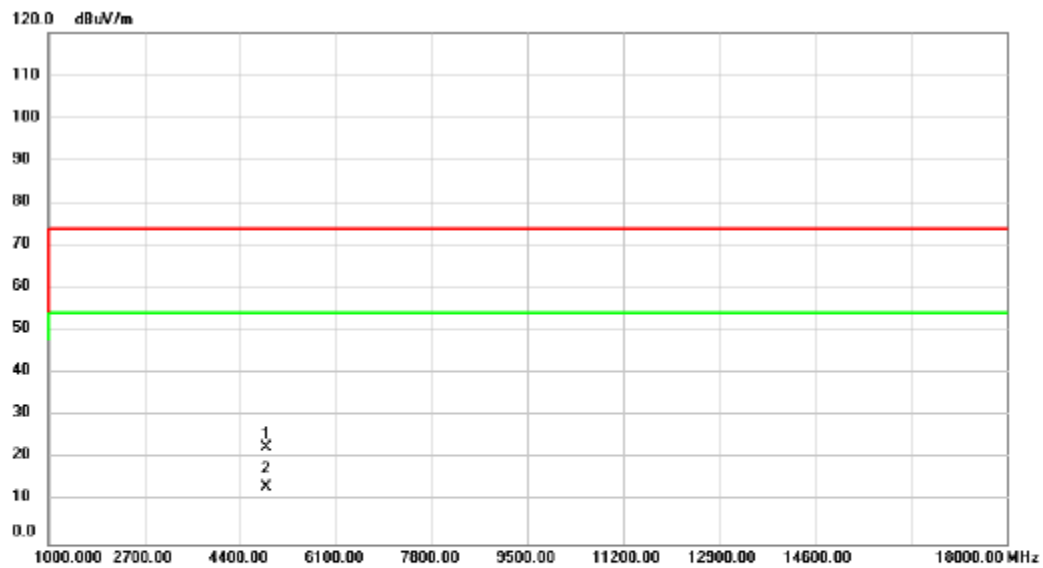


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	31.79	-8.57	23.22	74.00	-50.78	peak	
2	*	4824.000	22.79	-8.57	14.22	54.00	-39.78	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

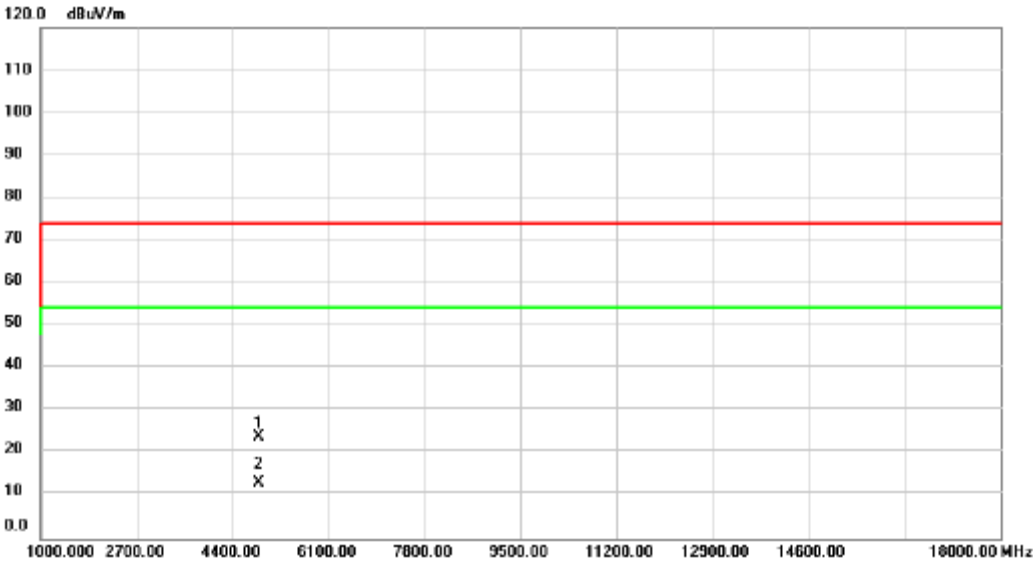


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.000	30.98	-8.44	22.54	74.00	-51.46	peak	
2 *	4874.000	21.85	-8.44	13.41	54.00	-40.59	AVG	

REMARKS:

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

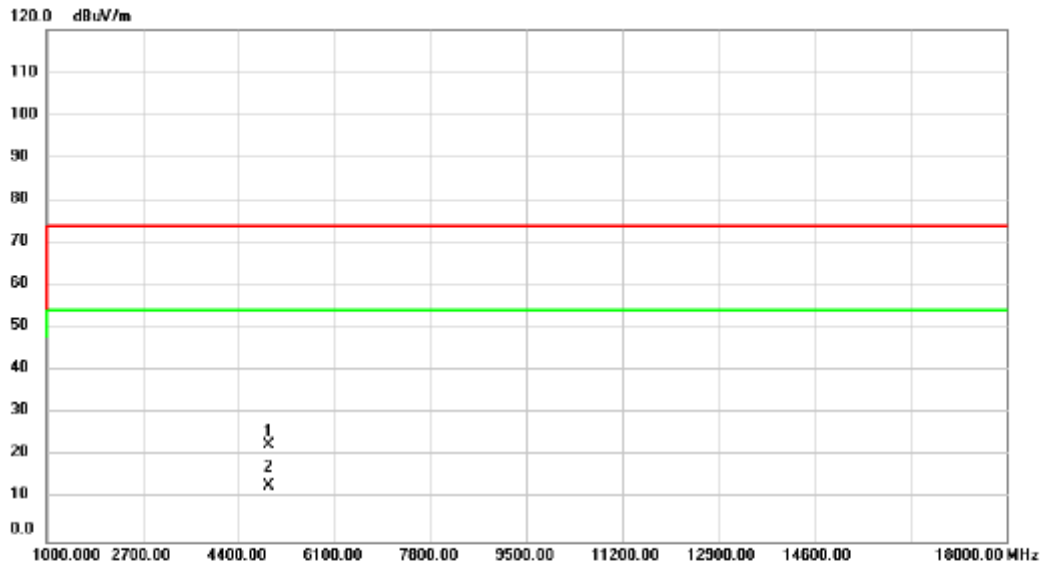
Test Mode	IEEE 802.11n(HT20)	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	32.24	-8.44	23.80	74.00	-50.20	peak	
2	*	4874.000	21.50	-8.44	13.06	54.00	-40.94	AVG	

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Vertical
Temp	25°C	Hum.	65%



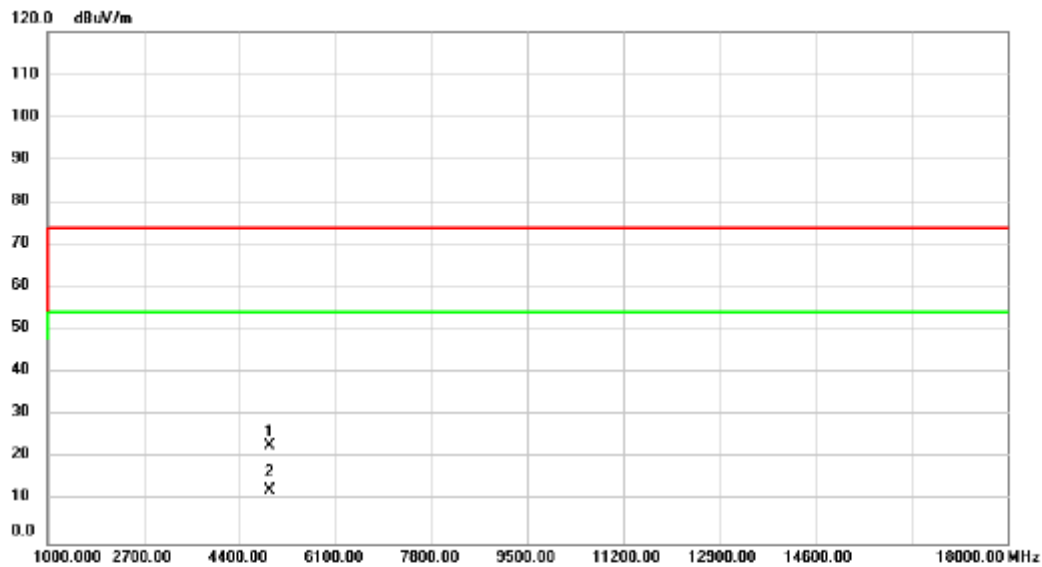
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	30.91	-8.33	22.58	74.00	-51.42	peak	
2	*	4924.000	21.51	-8.33	13.18	54.00	-40.82	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

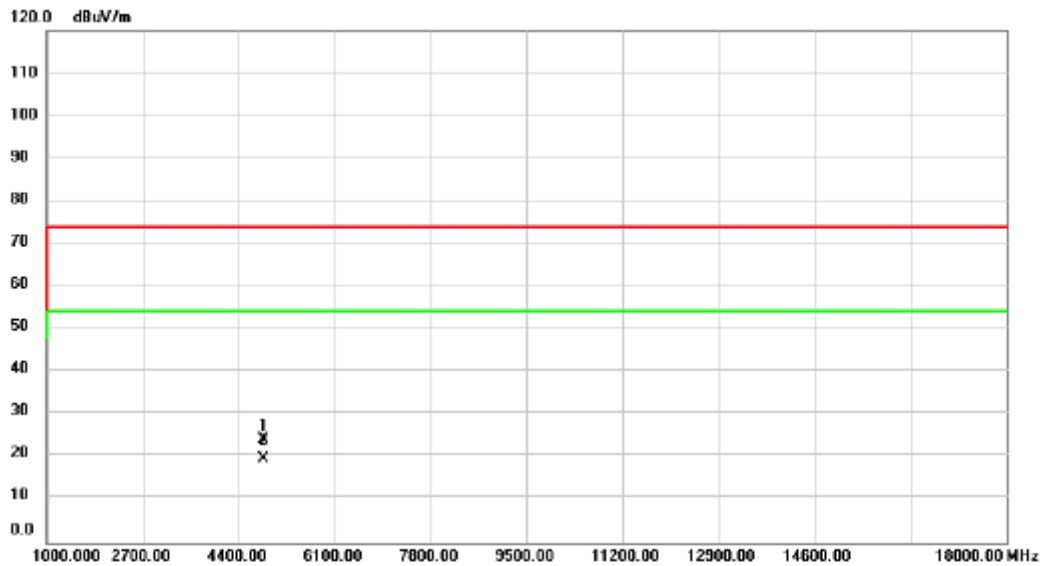


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	31.17	-8.33	22.84	74.00	-51.16	peak	
2	*	4924.000	20.91	-8.33	12.58	54.00	-41.42	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2422MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

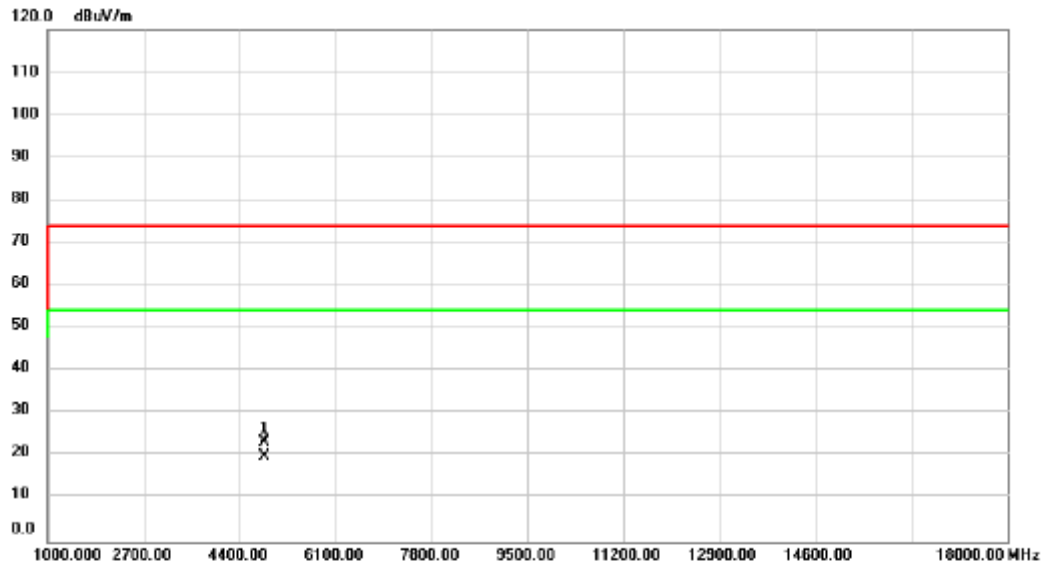


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4844.000	32.69	-8.52	24.17	74.00	-49.83	peak	
2	*	4844.000	28.30	-8.52	19.78	54.00	-34.22	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2422MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

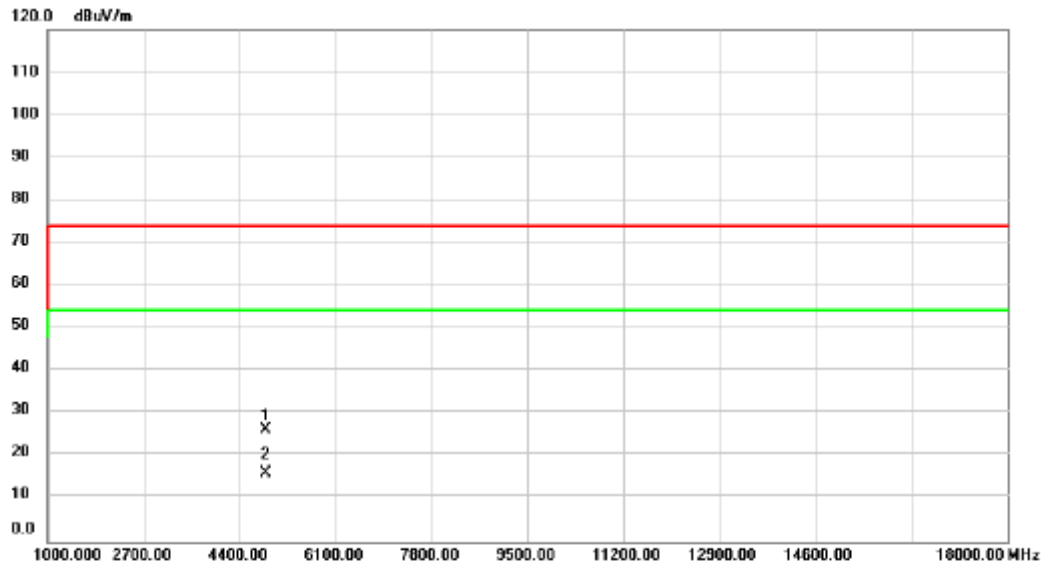


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4844.000	31.91	-8.52	23.39	74.00	-50.61	peak	
2	*	4844.000	28.52	-8.52	20.00	54.00	-34.00	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

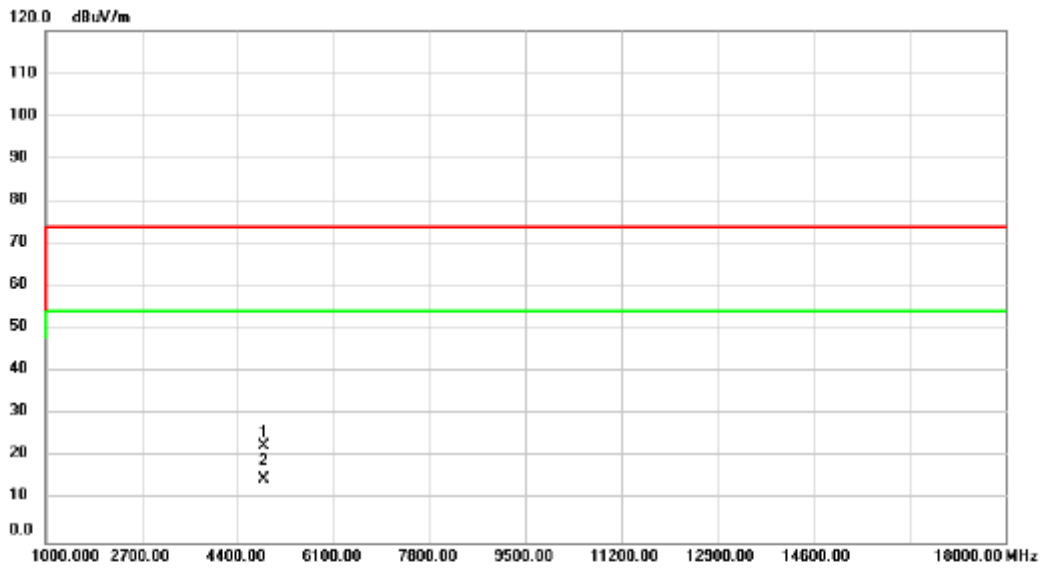


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	34.61	-8.44	26.17	74.00	-47.83	peak	
2	*	4874.000	24.61	-8.44	16.17	54.00	-37.83	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%



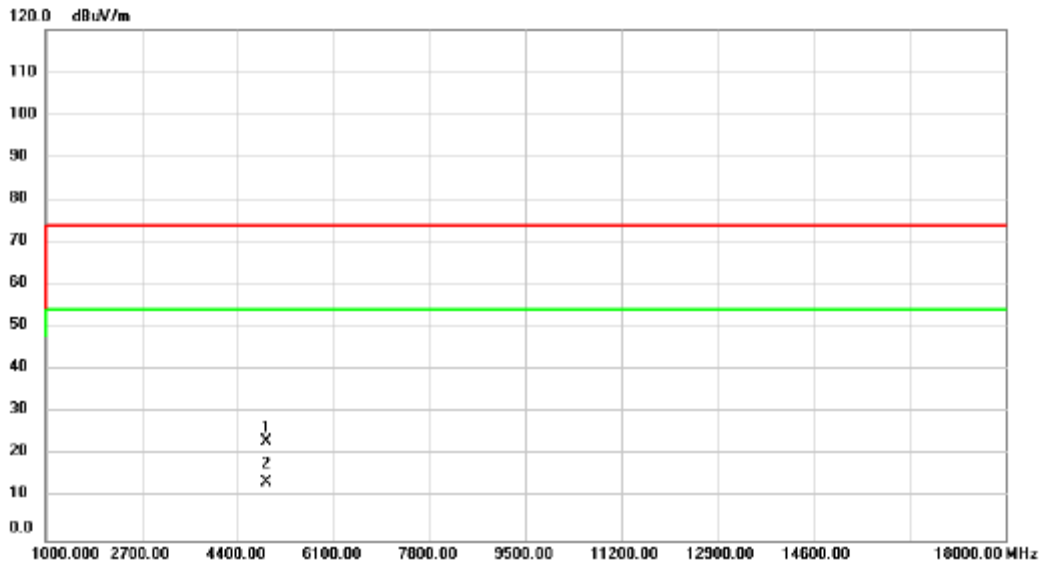
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.000	31.20	-8.44	22.76	74.00	-51.24	peak	
2	*	4874.000	23.23	-8.44	14.79	54.00	-39.21	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2452MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

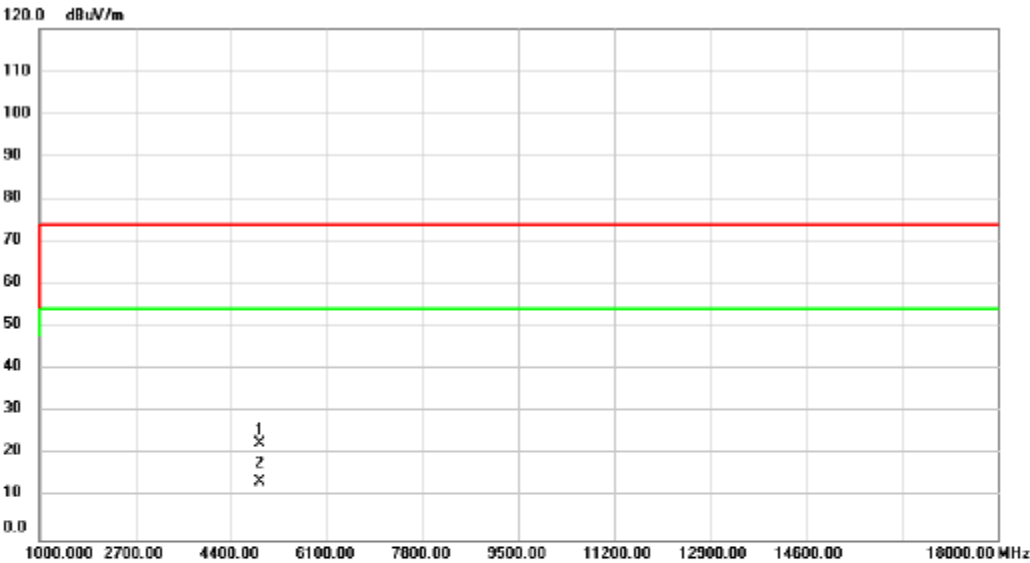


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4904.000	31.66	-8.36	23.30	74.00	-50.70	peak	
2	*	4904.000	22.06	-8.36	13.70	54.00	-40.30	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2452MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

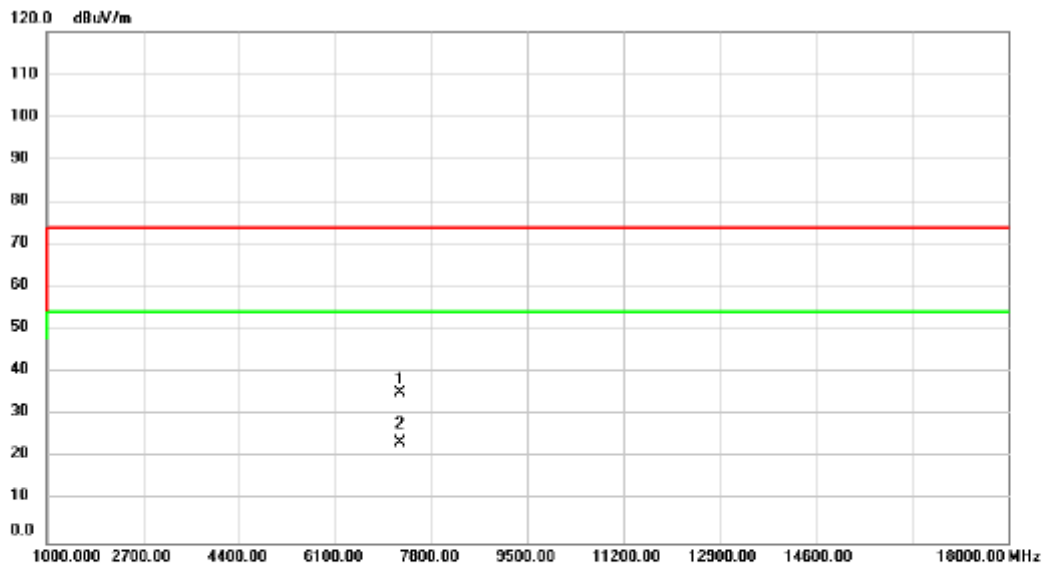


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4904.000	31.13	-8.36	22.77	74.00	-51.23	peak	
2	*	4904.000	22.00	-8.36	13.64	54.00	-40.36	AVG	

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

REM

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/11/20
Test Frequency	2412MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

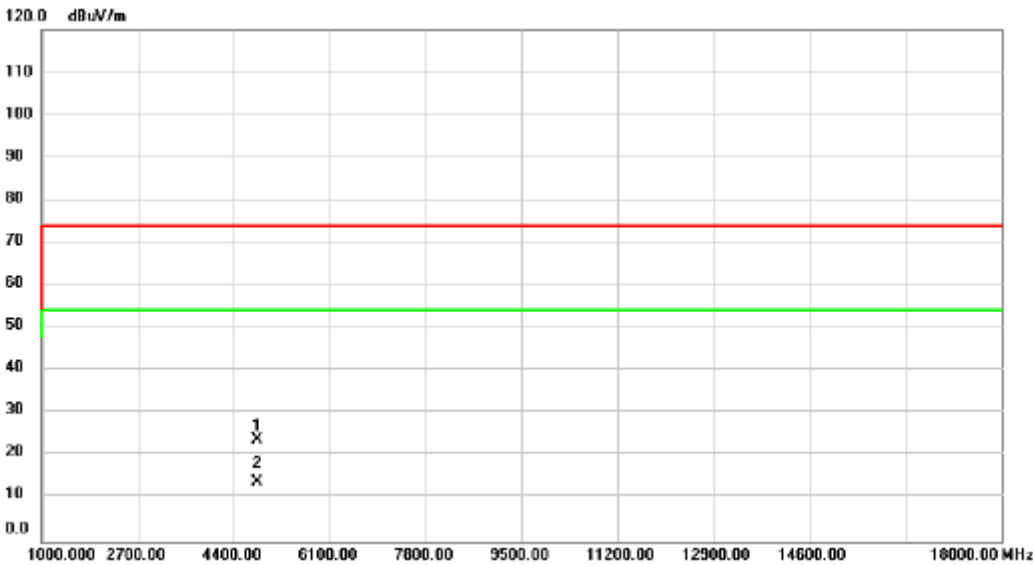


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		7236.000	38.90	-3.64	35.26	74.00	-38.74	peak	
2	*	7236.000	27.16	-3.64	23.52	54.00	-30.48	AVG	

REMARKS:

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

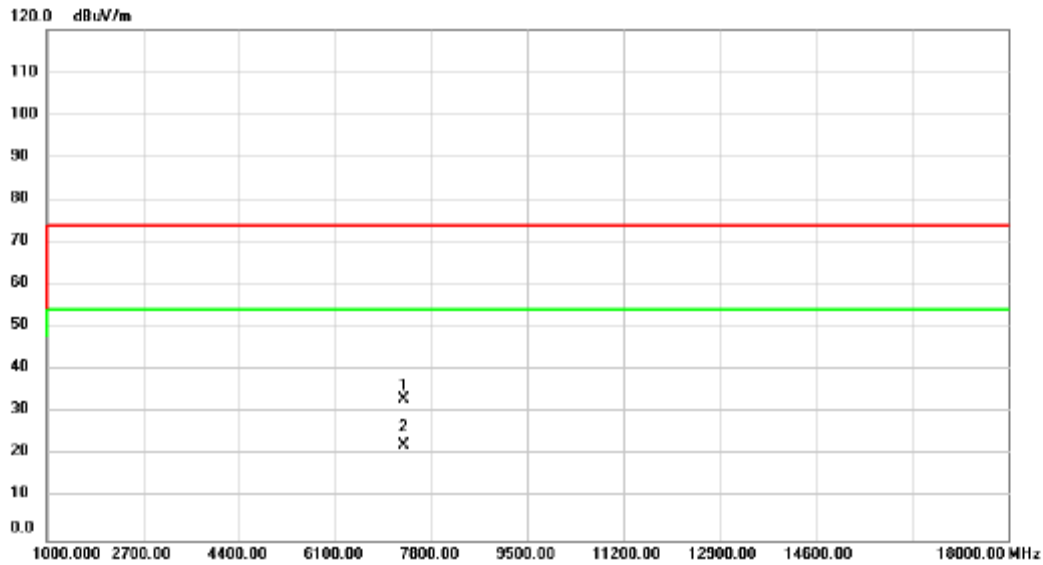
Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/11/20
Test Frequency	2412MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	32.42	-8.57	23.85	74.00	-50.15	peak	
2	*	4824.000	22.42	-8.57	13.85	54.00	-40.15	AVG	

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

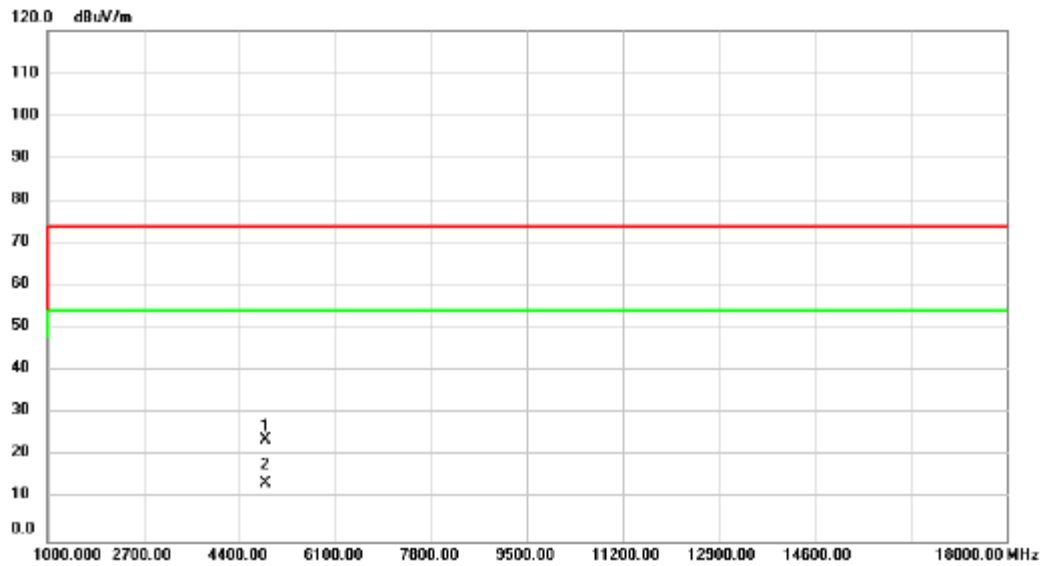


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		7311.000	36.75	-3.50	33.25	74.00	-40.75	peak	
2	*	7311.000	25.96	-3.50	22.46	54.00	-31.54	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

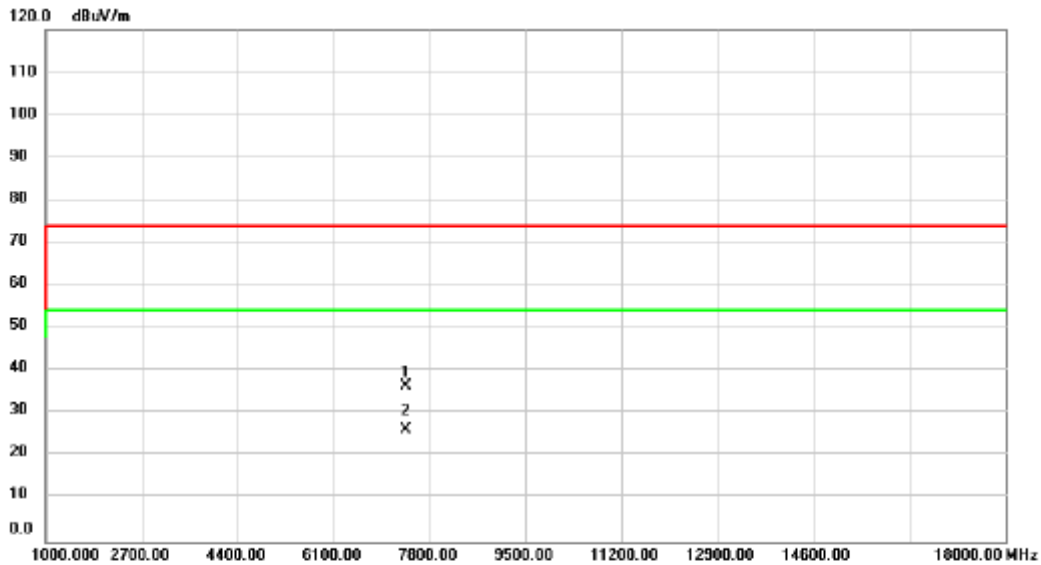


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	32.31	-8.44	23.87	74.00	-50.13	peak	
2	*	4874.000	21.95	-8.44	13.51	54.00	-40.49	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Vertical
Temp	25°C	Hum.	65%



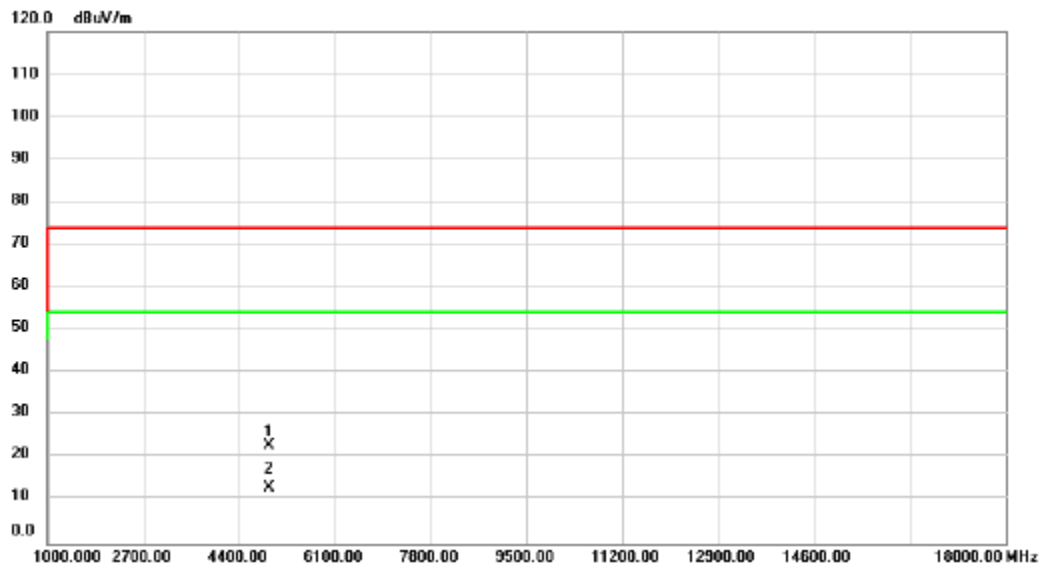
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		7386.000	39.69	-3.36	36.33	74.00	-37.67	peak	
2	*	7386.000	29.52	-3.36	26.16	54.00	-27.84	AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/11/20
Test Frequency	2462MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

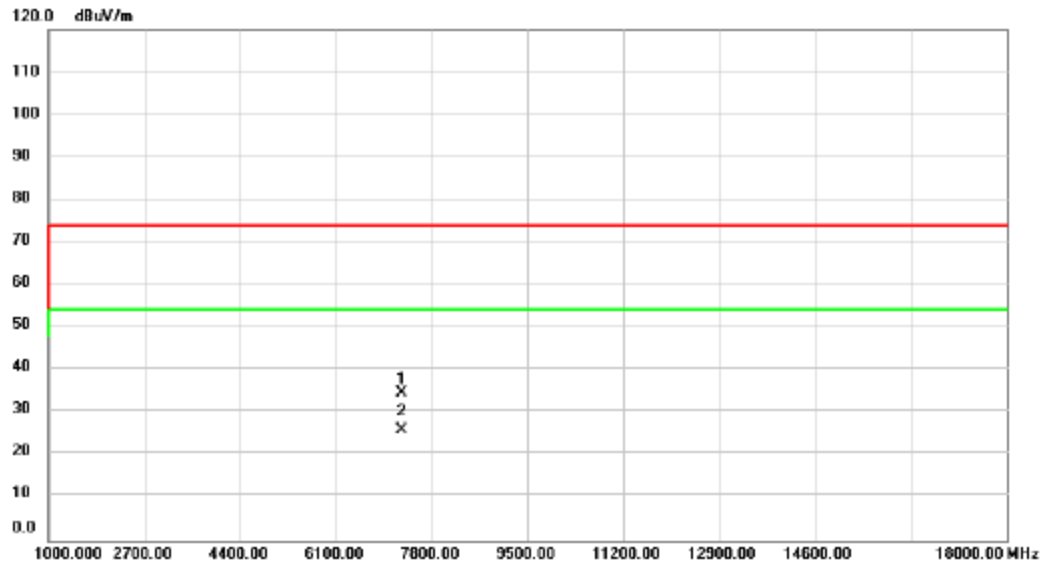


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	31.31	-8.33	22.98	74.00	-51.02	peak	
2	*	4924.000	21.52	-8.33	13.19	54.00	-40.81	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/11/20
Test Frequency	2422MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

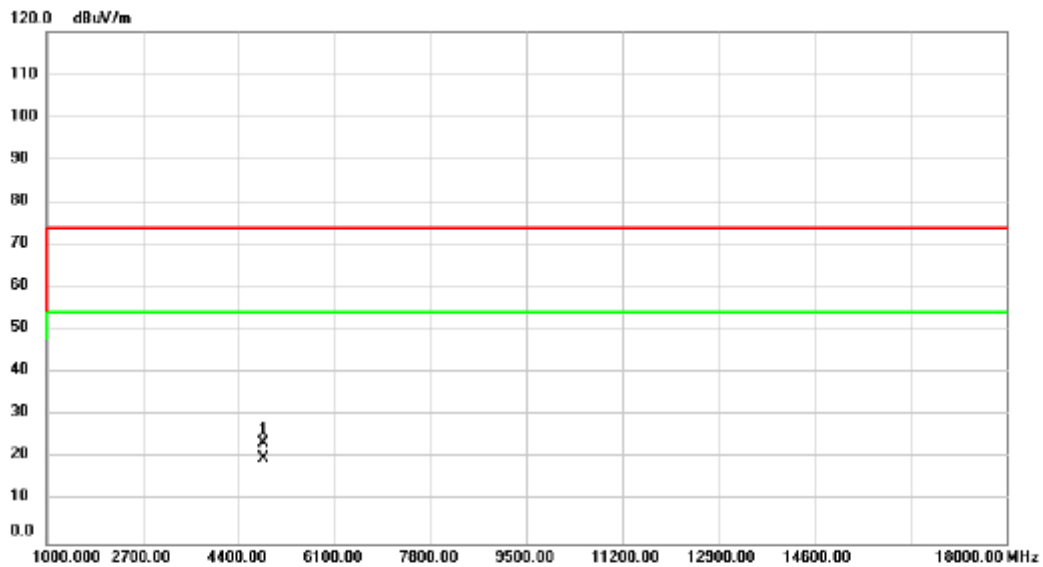


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7273.000	38.24	-3.57	34.67	74.00	-39.33	peak	
2	*	7273.000	29.58	-3.57	26.01	54.00	-27.99	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/11/20
Test Frequency	2422MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

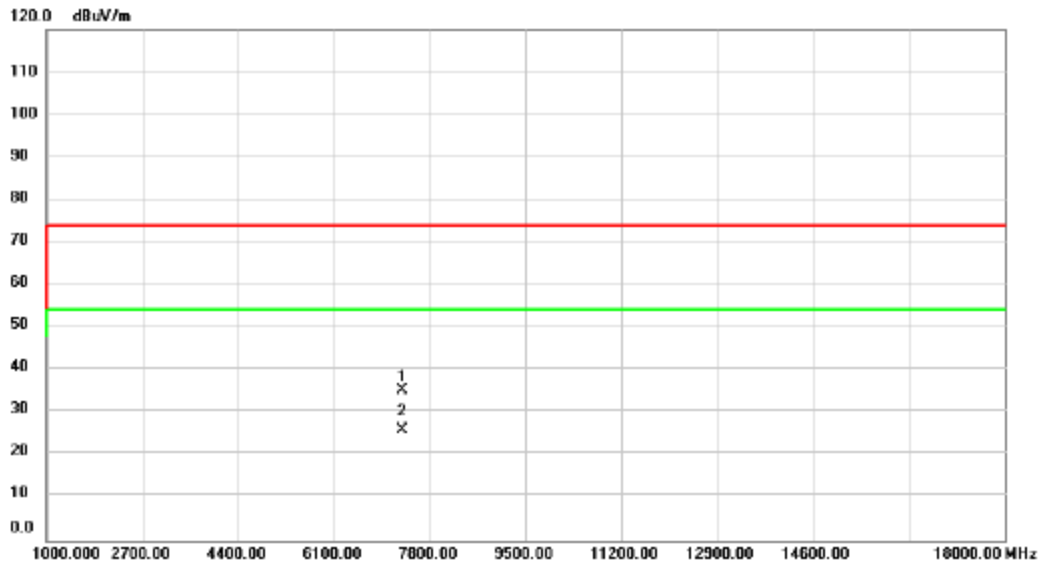


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4844.000	32.07	-8.52	23.55	74.00	-50.45	peak	
2	*	4844.000	28.61	-8.52	20.09	54.00	-33.91	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

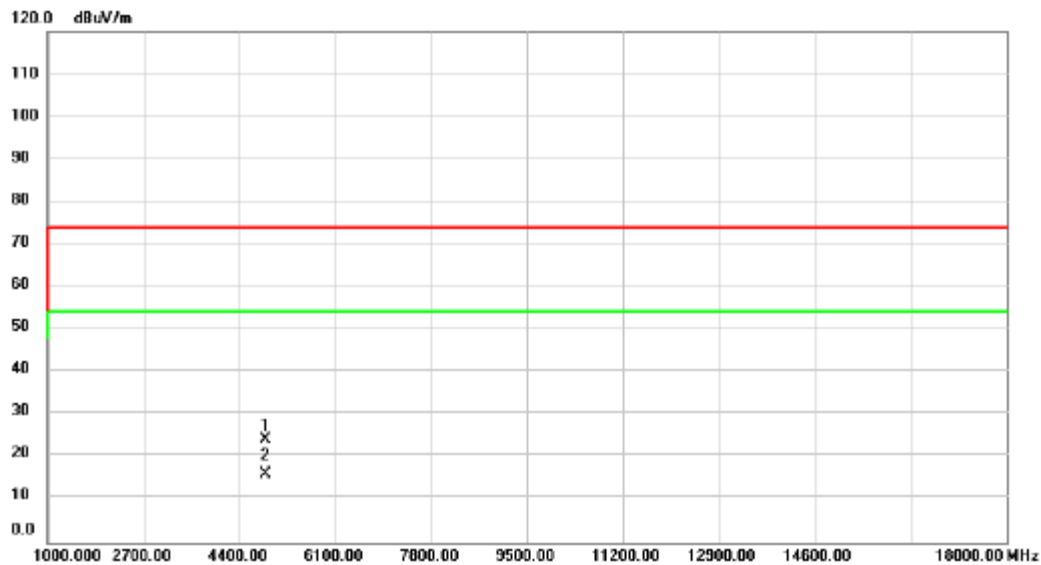


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		7307.000	38.91	-3.51	35.40	74.00	-38.60	peak	
2	*	7307.000	29.46	-3.51	25.95	54.00	-28.05	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/11/20
Test Frequency	2437MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

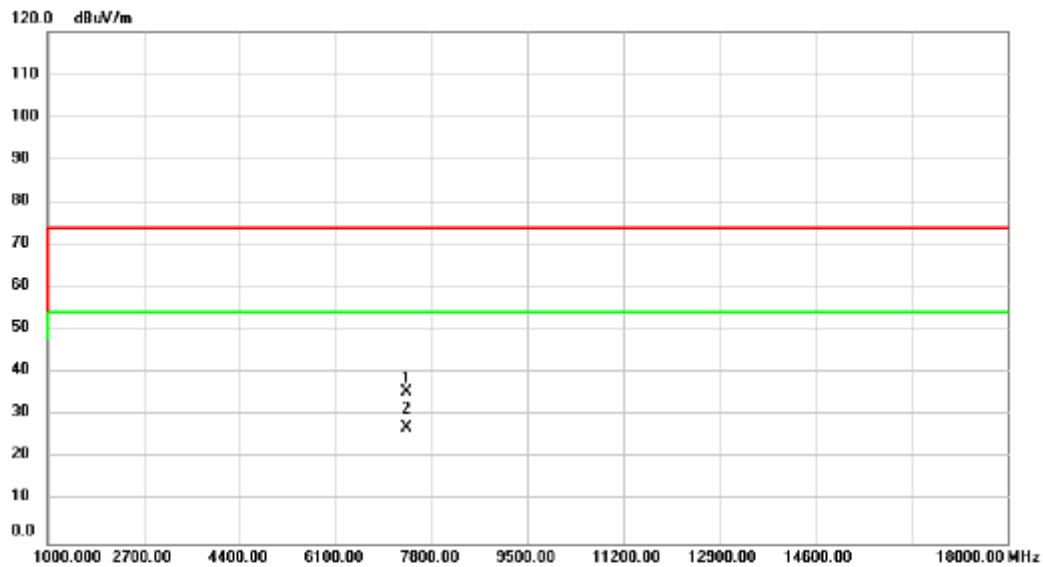


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	32.54	-8.44	24.10	74.00	-49.90	peak	
2	*	4874.000	24.37	-8.44	15.93	54.00	-38.07	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/11/20
Test Frequency	2452MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

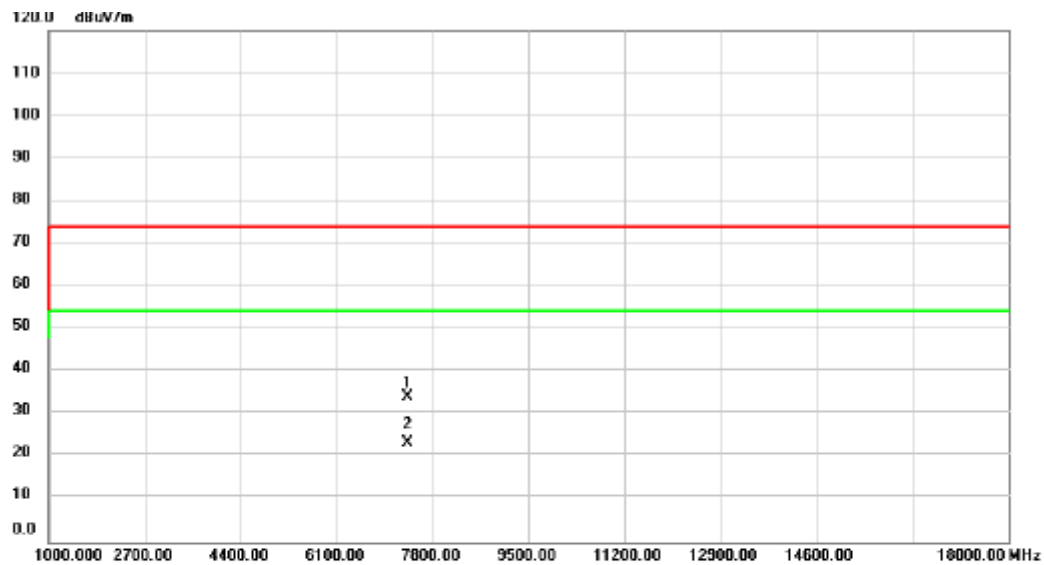


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		7358.000	39.02	-3.41	35.61	74.00	-38.39	peak	
2	*	7358.000	30.55	-3.41	27.14	54.00	-26.86	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/11/20
Test Frequency	2452MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

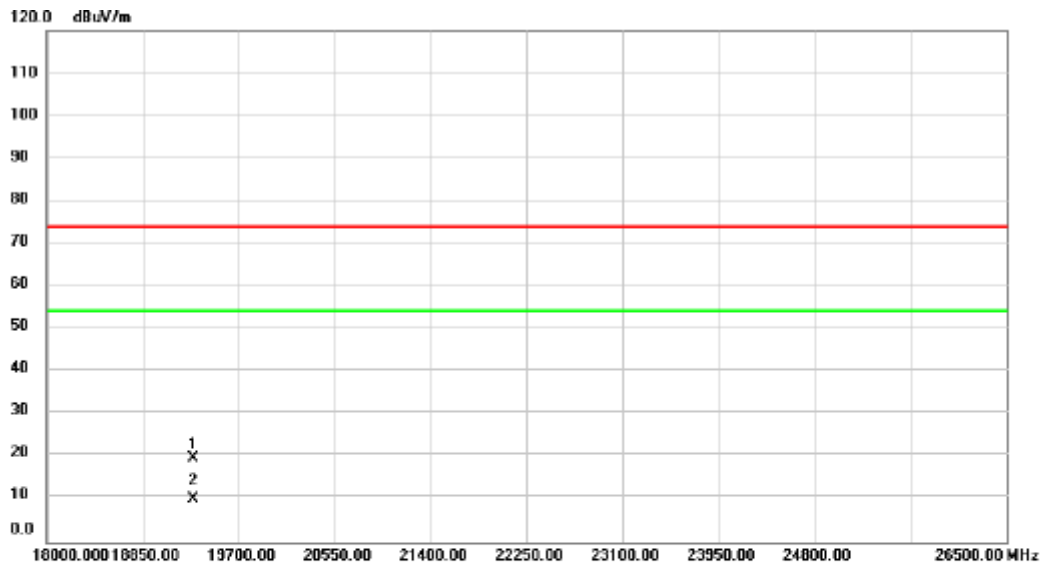


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7358.000	37.60	-3.41	34.19	74.00	-39.81	peak	
2 *	7358.000	26.76	-3.41	23.35	54.00	-30.65	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2452 MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

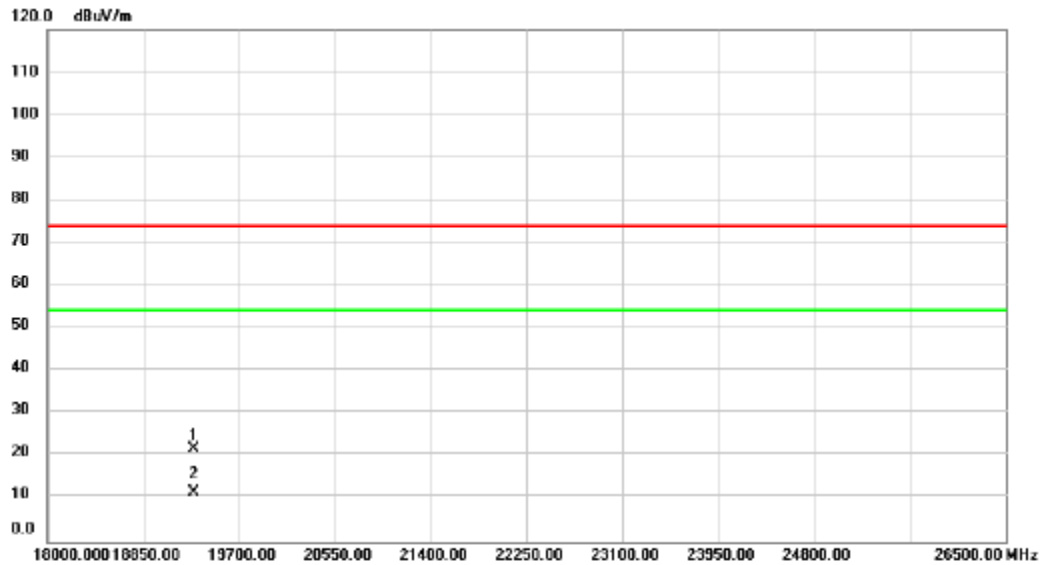


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		19296.00	30.03	-10.43	19.60	74.00	-54.40	peak	
2	*	19296.00	20.47	-10.43	10.04	54.00	-43.96	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2452 MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

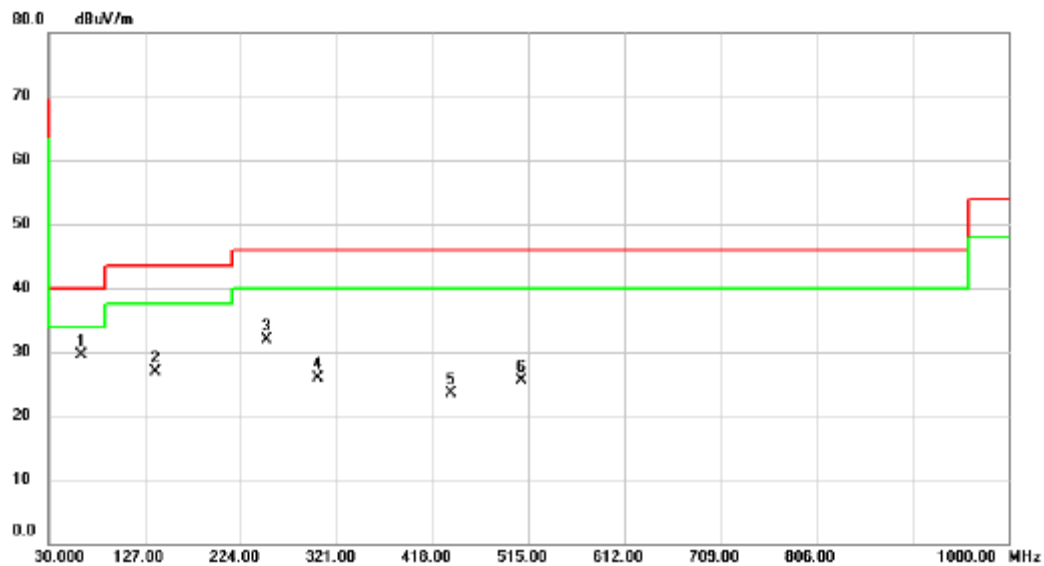


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		19296.00	32.26	-10.43	21.83	74.00	-52.17	peak	
2	*	19296.00	22.13	-10.43	11.70	54.00	-42.30	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2452 MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

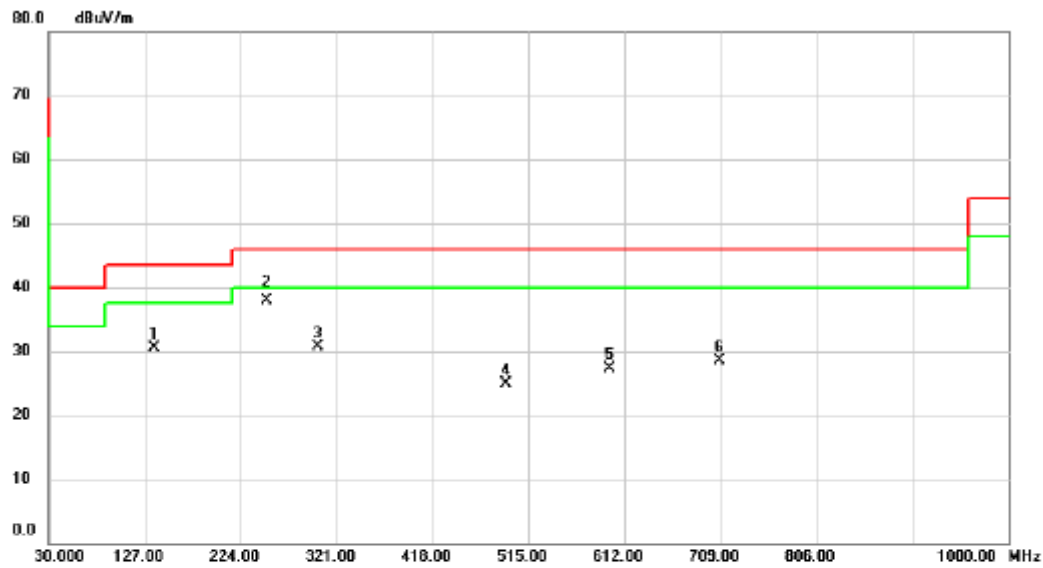


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	62.9800	41.79	-12.37	29.42	40.00	-10.58	peak	
2	138.6400	38.97	-12.11	26.86	43.50	-16.64	peak	
3	250.1900	43.92	-11.99	31.93	46.00	-14.07	peak	
4	302.5700	36.06	-10.18	25.88	46.00	-20.12	peak	
5	436.4300	29.87	-6.40	23.47	46.00	-22.53	peak	
6	508.2100	30.63	-5.07	25.56	46.00	-20.44	peak	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/20
Test Frequency	2452 MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

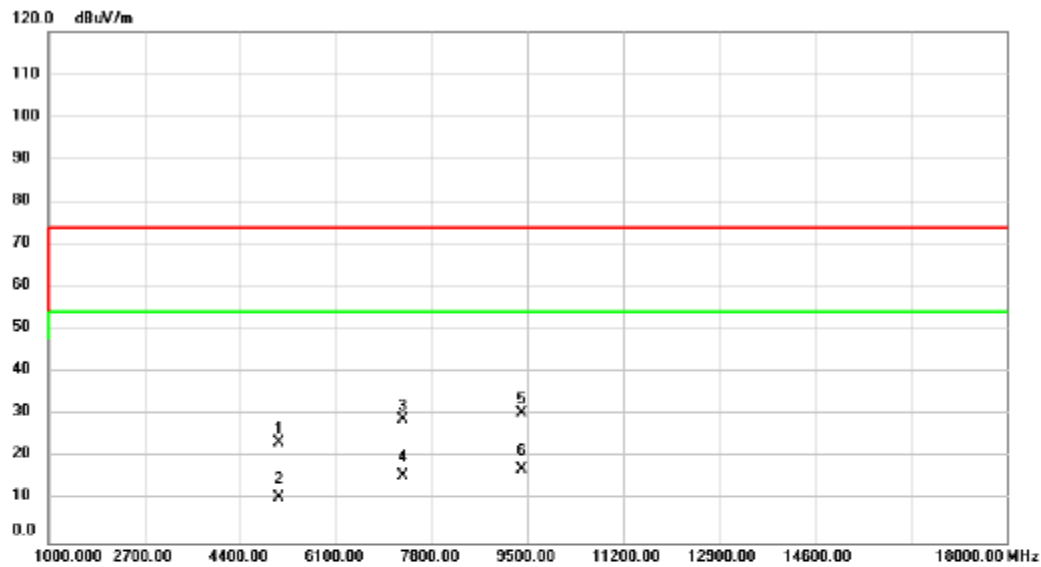


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		136.7000	42.79	-12.31	30.48	43.50	-13.02	peak	
2	*	250.1900	49.87	-11.99	37.88	46.00	-8.12	QP	
3		301.6000	41.00	-10.21	30.79	46.00	-15.21	peak	
4		491.7200	30.17	-5.36	24.81	46.00	-21.19	peak	
5		597.4500	29.94	-2.67	27.27	46.00	-18.73	peak	
6		708.0300	29.05	-0.61	28.44	46.00	-17.56	peak	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/22
Test Frequency	2452 MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

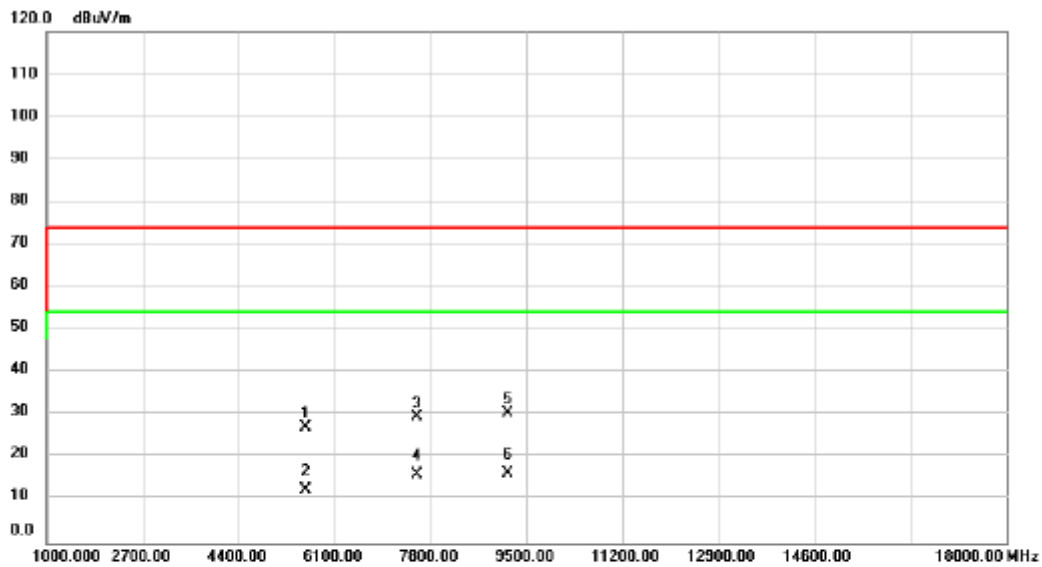


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5097.000	31.68	-8.09	23.59	74.00	-50.41	peak	
2	5097.000	18.67	-8.09	10.58	54.00	-43.42	AVG	
3	7290.000	32.51	-3.54	28.97	74.00	-45.03	peak	
4	7290.000	19.31	-3.54	15.77	54.00	-38.23	AVG	
5	9398.000	31.71	-1.40	30.31	74.00	-43.69	peak	
6 *	9398.000	18.53	-1.40	17.13	54.00	-36.87	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/22
Test Frequency	2452 MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%

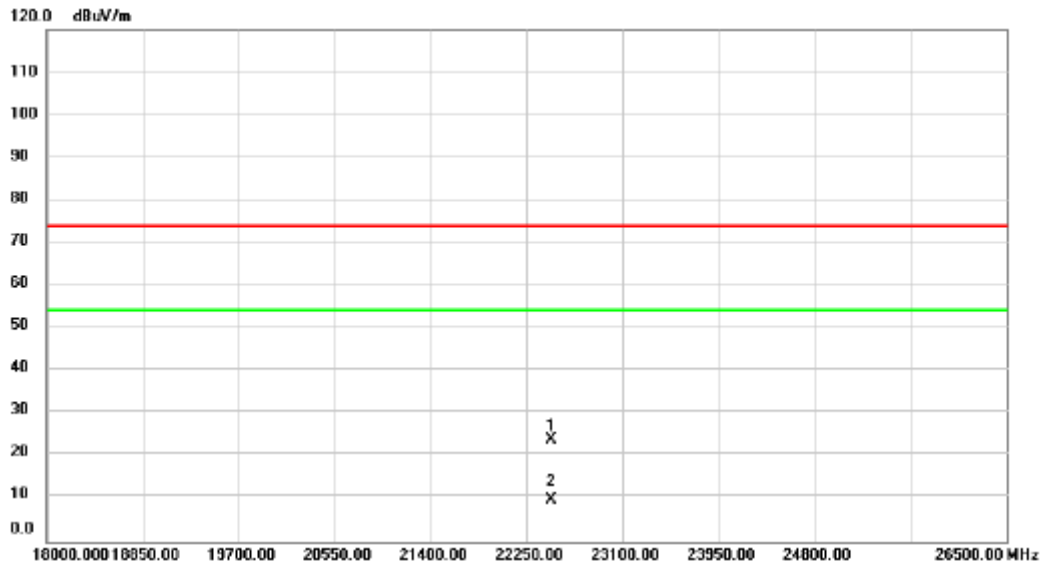


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5590.000	34.98	-7.79	27.19	74.00	-46.81	peak	
2	5590.000	20.10	-7.79	12.31	54.00	-41.69	AVG	
3	7562.000	32.61	-3.10	29.51	74.00	-44.49	peak	
4	7562.000	19.14	-3.10	16.04	54.00	-37.96	AVG	
5	9177.000	31.99	-1.45	30.54	74.00	-43.46	peak	
6 *	9177.000	17.82	-1.45	16.37	54.00	-37.63	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/22
Test Frequency	2452 MHz	Polarization	Vertical
Temp	25°C	Hum.	65%

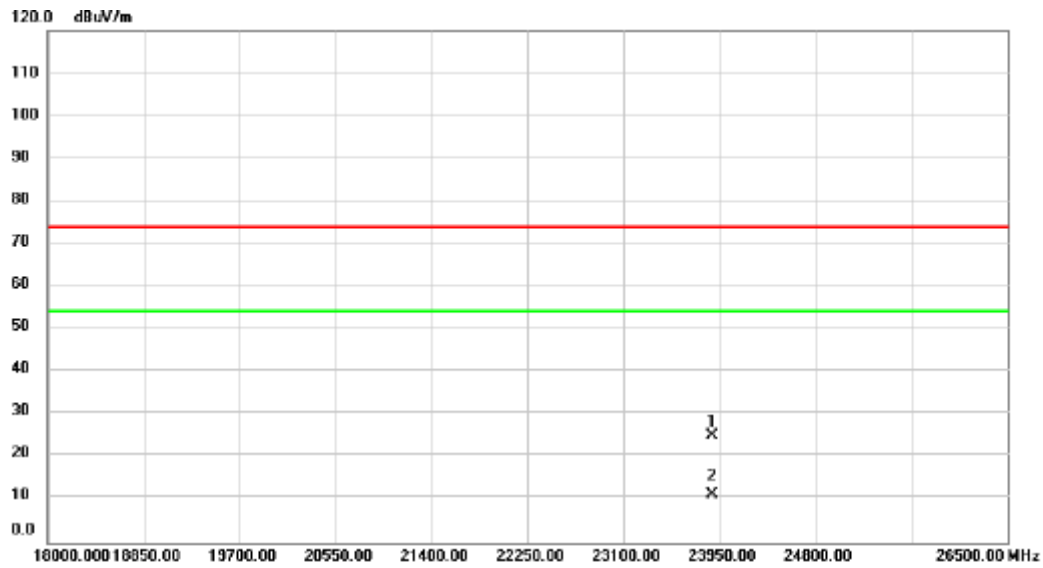


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		22471.00	32.69	-8.72	23.97	74.00	-50.03	peak	
2	*	22471.00	18.34	-8.72	9.62	54.00	-44.38	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/11/22
Test Frequency	2452 MHz	Polarization	Horizontal
Temp	25°C	Hum.	65%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		23882.00	33.14	-8.22	24.92	74.00	-49.08	peak	
2	*	23882.00	19.34	-8.22	11.12	54.00	-42.88	AVG	

REMARKS:

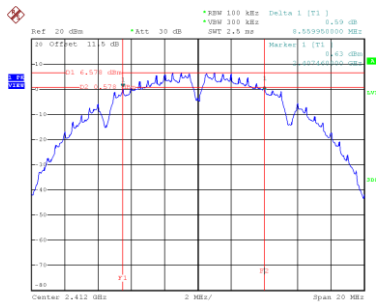
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D BANDWIDTH

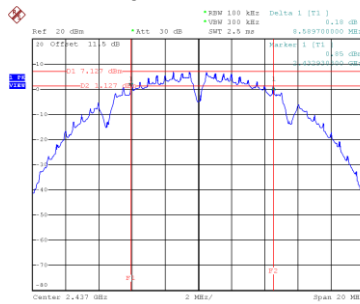
Test Mode IEEE 802.11b_Ant. 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	8.560	12.720	≥ 500	Pass
2437	8.590	12.880	≥ 500	Pass
2462	9.060	12.720	≥ 500	Pass

CH01

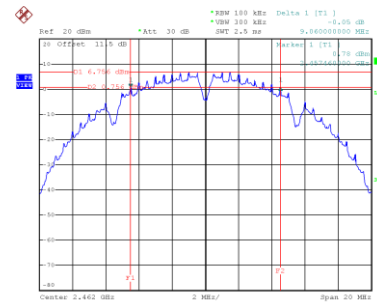


Date: 20.NOV.2024 18:20:09

CH06
6 dB Bandwidth


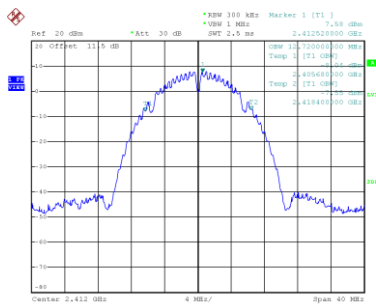
Date: 20.NOV.2024 18:22:26

CH11

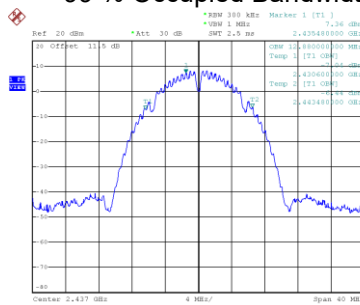


Date: 20.NOV.2024 18:24:52

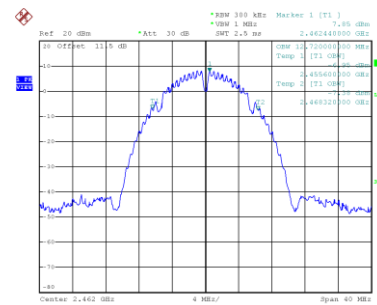
99 % Occupied Bandwidth



Date: 20.NOV.2024 18:20:18



Date: 20.NOV.2024 18:22:35

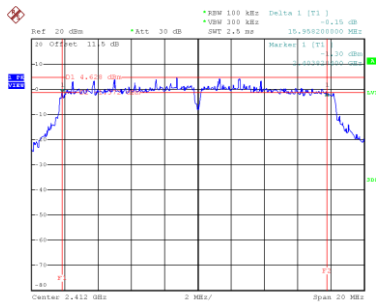


Date: 20.NOV.2024 18:25:01

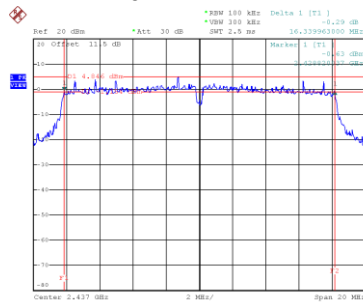
Test Mode IEEE 802.11g_Ant. 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	15.958	17.120	≥ 500	Pass
2437	16.340	17.120	≥ 500	Pass
2462	15.839	17.120	≥ 500	Pass

CH01

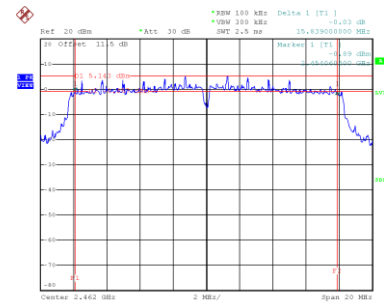


Date: 20,NOV,2024 18:27:38

CH06
6 dB Bandwidth


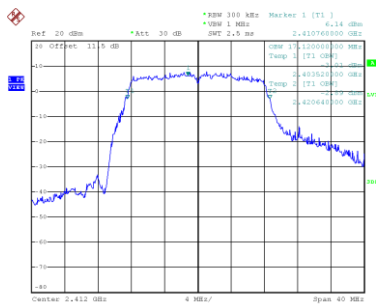
Date: 20,NOV,2024 18:29:51

CH11

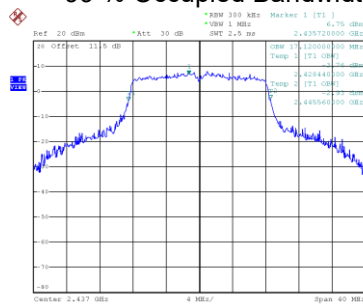


Date: 20,NOV,2024 18:33:29

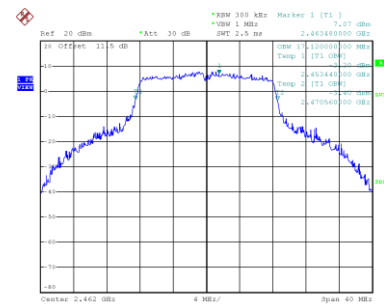
99 % Occupied Bandwidth



Date: 20,NOV,2024 18:27:47



Date: 20,NOV,2024 18:29:59

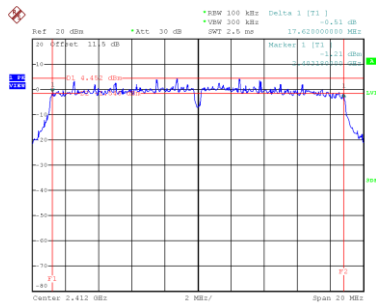


Date: 20,NOV,2024 18:33:38

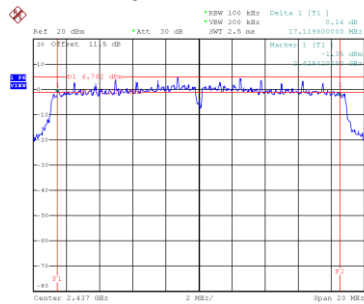
Test Mode IEEE 802.11n (HT20)_Ant. 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.620	18.080	≥ 500	Pass
2437	17.120	18.240	≥ 500	Pass
2462	16.950	18.160	≥ 500	Pass

CH01

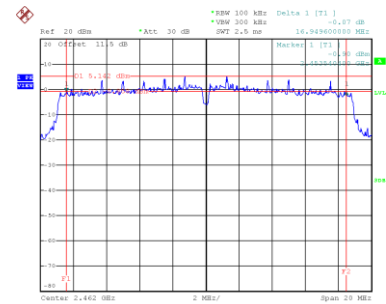


Date: 20,NOV,2024 18:38:52

CH06
6 dB Bandwidth


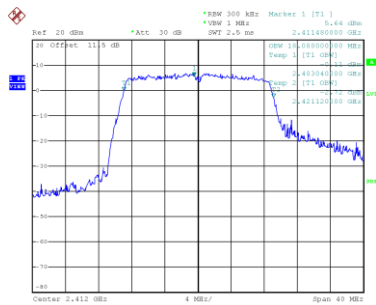
Date: 20,NOV,2024 18:40:49

CH11

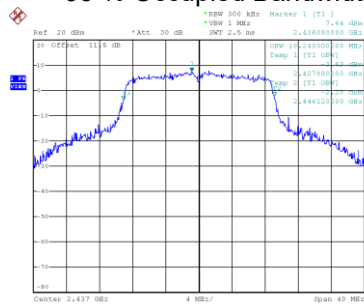


Date: 20,NOV,2024 18:43:21

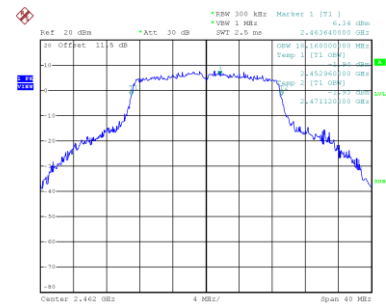
99 % Occupied Bandwidth



Date: 20,NOV,2024 18:39:01



Date: 20,NOV,2024 18:40:58

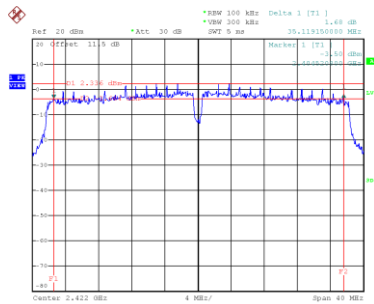


Date: 20,NOV,2024 18:43:30

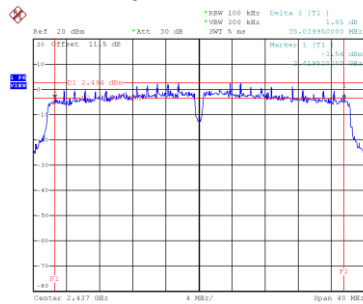
Test Mode IEEE 802.11n (HT40)_Ant. 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	35.119	36.960	≥ 500	Pass
2437	35.040	37.120	≥ 500	Pass
2452	35.240	36.960	≥ 500	Pass

CH03

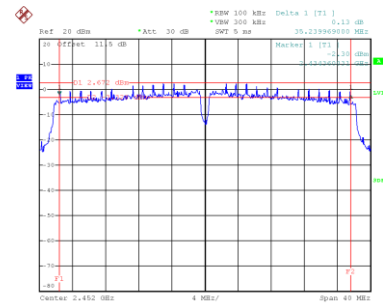


Date: 20,NOV,2024 18:49:33

CH06
6 dB Bandwidth


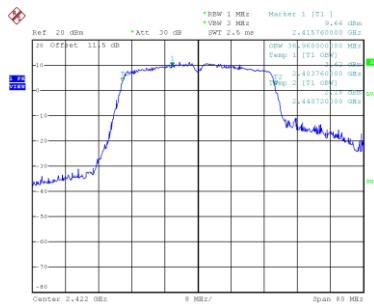
Date: 20,NOV,2024 18:51:23

CH09

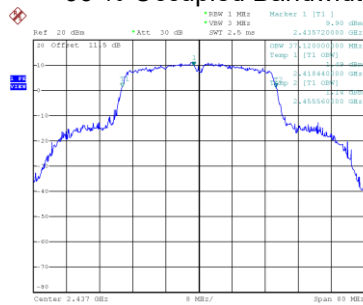


Date: 20,NOV,2024 18:53:19

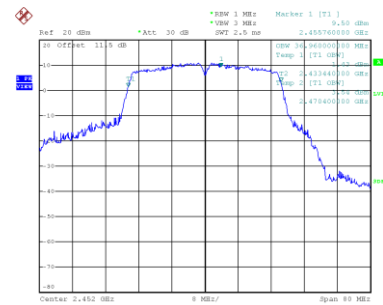
99 % Occupied Bandwidth



Date: 20,NOV,2024 18:49:42



Date: 20,NOV,2024 18:51:32

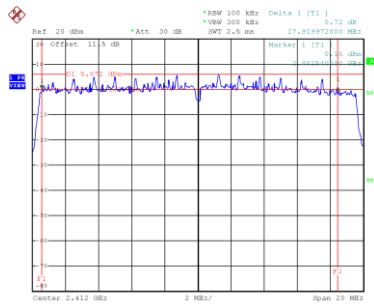


Date: 20,NOV,2024 18:53:28

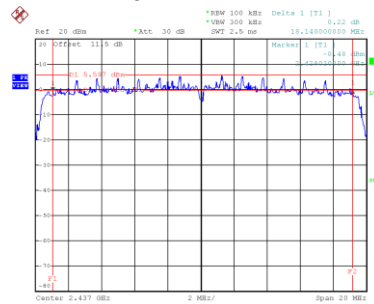
Test Mode IEEE 802.11ax (HE20)_Ant. 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2412	17.920	19.040	≥ 500	Pass
2437	18.140	19.200	≥ 500	Pass
2462	17.310	19.120	≥ 500	Pass

CH01

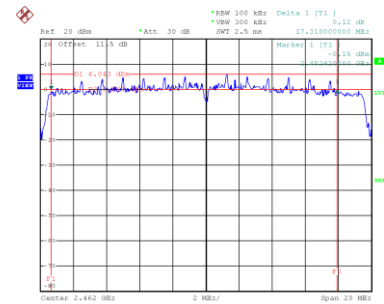


Date: 20,NOV,2024 18:56:29

CH06
6 dB Bandwidth


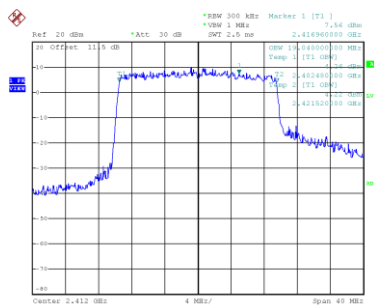
Date: 20,NOV,2024 18:59:10

CH11

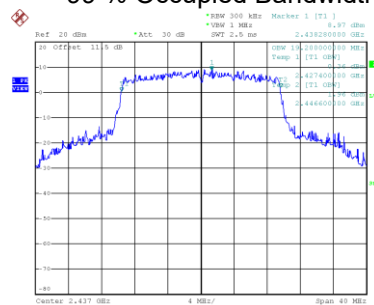


Date: 20,NOV,2024 19:04:04

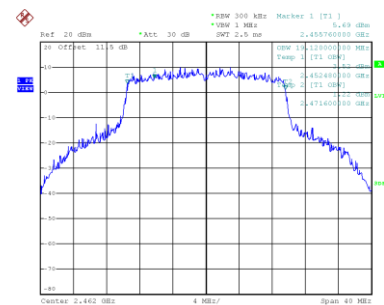
99 % Occupied Bandwidth



Date: 20,NOV,2024 18:56:38



Date: 20,NOV,2024 18:59:19

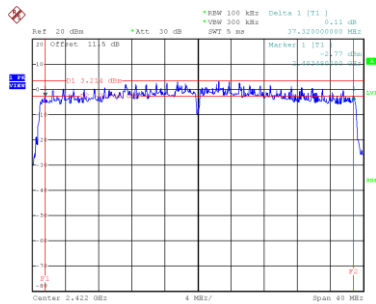


Date: 20,NOV,2024 19:04:13

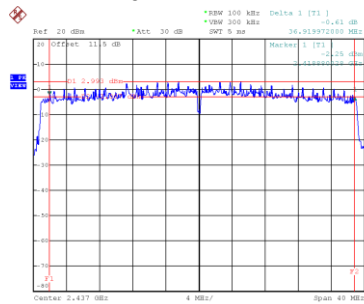
Test Mode IEEE 802.11ax (HE40)_Ant. 1

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	37.320	38.080	≥ 500	Pass
2437	36.920	38.080	≥ 500	Pass
2452	37.318	38.240	≥ 500	Pass

CH03

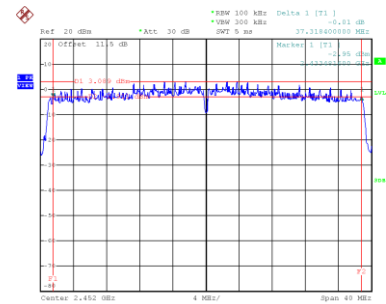


Date: 20,NOV,2024 19:06:12

CH06
6 dB Bandwidth


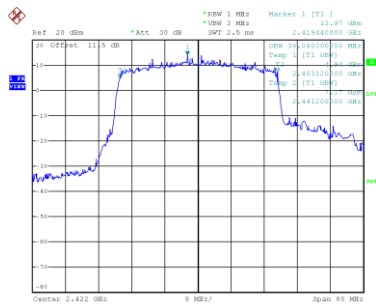
Date: 20,NOV,2024 19:09:07

CH09

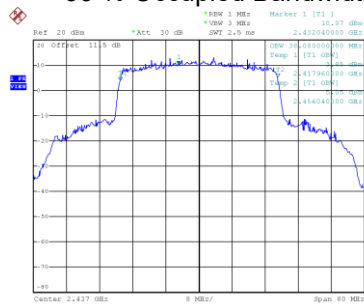


Date: 20,NOV,2024 19:10:38

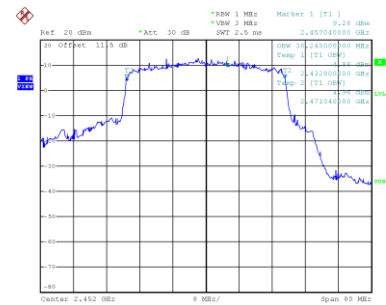
99 % Occupied Bandwidth



Date: 20,NOV,2024 19:06:21



Date: 20,NOV,2024 19:09:17



Date: 20,NOV,2024 19:10:46

APPENDIX E OUTPUT POWER

Test Mode	IEEE 802.11b_Ant. 1	Test Date	2024/11/20
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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	16.09	0.00	16.09	30.00	1.0000	Pass
06	2437	16.11	0.00	16.11	30.00	1.0000	Pass
11	2462	16.13	0.00	16.13	30.00	1.0000	Pass

Test Mode	IEEE 802.11b_Ant. 2	Test Date	2024/11/20
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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	15.46	0.00	15.46	30.00	1.0000	Pass
06	2437	16.29	0.00	16.29	30.00	1.0000	Pass
11	2462	16.19	0.00	16.19	30.00	1.0000	Pass

Test Mode	IEEE 802.11b_Total	Test Date	2024/11/20
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.80	30.00	1.0000	Pass
06	2437	19.21	30.00	1.0000	Pass
11	2462	19.17	30.00	1.0000	Pass

Test Mode	IEEE 802.11g_Ant. 1	Test Date	2024/11/20
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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	15.92	0.18	16.10	30.00	1.0000	Pass
06	2437	15.98	0.18	16.16	30.00	1.0000	Pass
11	2462	15.99	0.18	16.17	30.00	1.0000	Pass

Test Mode	IEEE 802.11g_Ant. 2	Test Date	2024/11/20
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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	15.22	0.18	15.40	30.00	1.0000	Pass
06	2437	16.14	0.18	16.32	30.00	1.0000	Pass
11	2462	16.11	0.18	16.29	30.00	1.0000	Pass

Test Mode	IEEE 802.11g_Total	Test Date	2024/11/20
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.78	30.00	1.0000	Pass
06	2437	19.25	30.00	1.0000	Pass
11	2462	19.24	30.00	1.0000	Pass

Test Mode	IEEE 802.11n(HT20)_Ant. 1	Test Date	2024/11/20
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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	15.88	0.21	16.09	30.00	1.0000	Pass
06	2437	15.93	0.21	16.14	30.00	1.0000	Pass
11	2462	15.96	0.21	16.17	30.00	1.0000	Pass

Test Mode	IEEE 802.11n(HT20)_Ant. 2	Test Date	2024/11/20
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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	15.19	0.21	15.40	30.00	1.0000	Pass
06	2437	16.10	0.21	16.31	30.00	1.0000	Pass
11	2462	16.04	0.21	16.25	30.00	1.0000	Pass

Test Mode	IEEE 802.11n(HT20)_Total	Test Date	2024/11/20
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.77	30.00	1.0000	Pass
06	2437	19.24	30.00	1.0000	Pass
11	2462	19.22	30.00	1.0000	Pass

Test Mode	IEEE 802.11n(HT40)_Ant. 1	Test Date	2024/11/20
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.03	0.62	16.65	30.00	1.0000	Pass
06	2437	16.07	0.62	16.69	30.00	1.0000	Pass
09	2452	16.11	0.62	16.73	30.00	1.0000	Pass

Test Mode	IEEE 802.11n(HT40)_Ant. 2	Test Date	2024/11/13
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	15.28	0.62	15.90	30.00	1.0000	Pass
06	2437	16.26	0.62	16.88	30.00	1.0000	Pass
09	2452	16.24	0.62	16.86	30.00	1.0000	Pass

Test Mode	IEEE 802.11n(HT40)_Total	Test Date	2024/11/13
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.30	30.00	1.0000	Pass
06	2437	19.79	30.00	1.0000	Pass
09	2452	19.80	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax(HE20)_Ant. 1	Test Date	2024/11/20
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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	16.19	0.44	16.63	30.00	1.0000	Pass
06	2437	15.86	0.44	16.30	30.00	1.0000	Pass
11	2462	15.77	0.44	16.21	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax(HE20)_Ant. 2	Test Date	2024/11/20
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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	15.47	0.44	15.91	30.00	1.0000	Pass
06	2437	15.88	0.44	16.32	30.00	1.0000	Pass
11	2462	15.84	0.44	16.28	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax(HE20)_Total	Test Date	2024/11/20
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.29	30.00	1.0000	Pass
06	2437	19.32	30.00	1.0000	Pass
11	2462	19.25	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax(HE40)_Ant. 1	Test Date	2024/11/20
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.04	0.72	16.76	30.00	1.0000	Pass
06	2437	16.09	0.72	16.81	30.00	1.0000	Pass
09	2452	16.05	0.72	16.77	30.00	1.0000	Pass

Test Mode	IEEE 802.11ax(HE40)_Ant. 2	Test Date	2024/11/20
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	15.07	0.72	15.79	30.00	1.0000	Pass
06	2437	15.91	0.72	16.63	30.00	1.0000	Pass
09	2452	15.84	0.72	16.56	30.00	1.0000	Pass

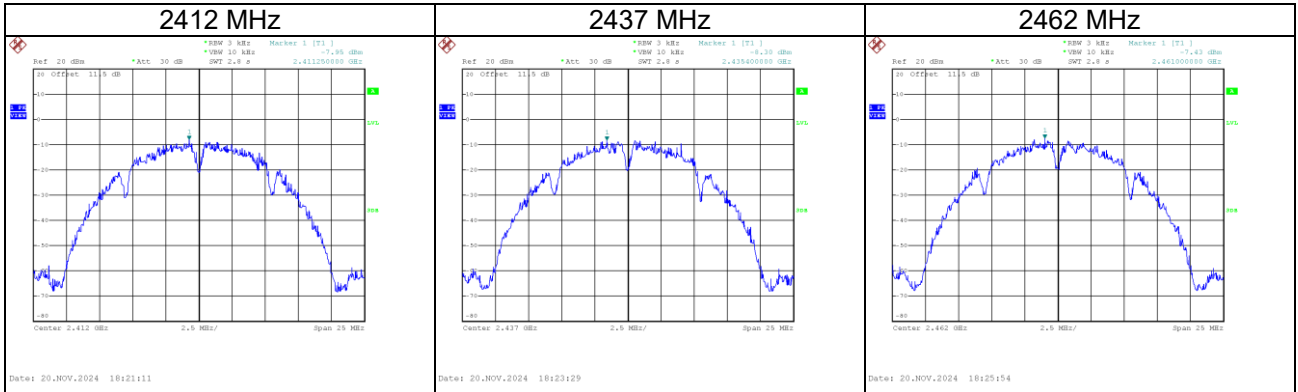
Test Mode	IEEE 802.11ax(HE40)_Total	Test Date	2024/11/20
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.32	30.00	1.0000	Pass
06	2437	19.73	30.00	1.0000	Pass
09	2452	19.68	30.00	1.0000	Pass

APPENDIX F POWER SPECTRAL DENSITY

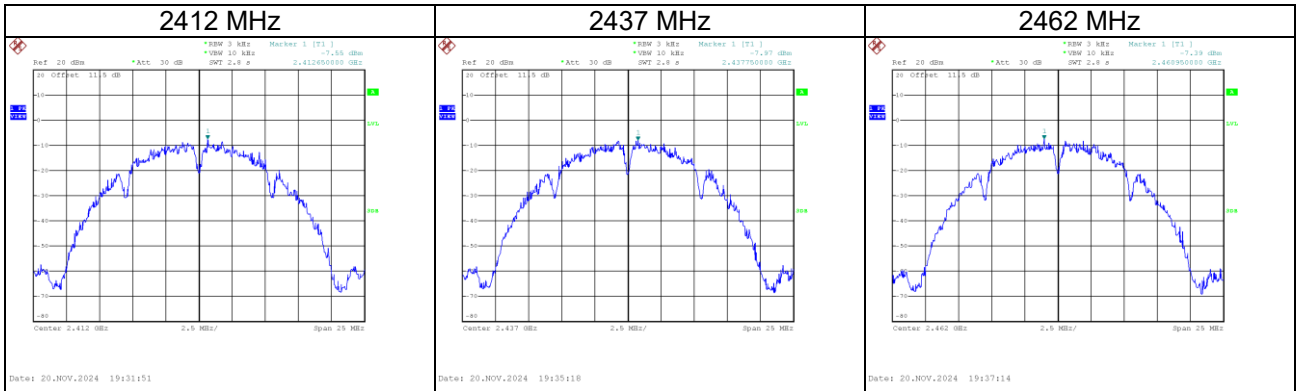
Test Mode	IEEE 802.11b_Ant. 1
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-7.95	8.00	Pass
06	2437	-8.30	8.00	Pass
11	2462	-7.43	8.00	Pass



Test Mode	IEEE 802.11b_Ant. 2
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-7.55	8.00	Pass
06	2437	-7.97	8.00	Pass
11	2462	-7.39	8.00	Pass



Test Mode	IEEE 802.11b_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-4.74	5.09	Pass
06	2437	-5.12	5.09	Pass
11	2462	-4.40	5.09	Pass