

FCC Radio Test Report

FCC ID: 2BDWL2417248

Report No. : eLab-FCCP-3-2303E004
Equipment : TELUS Doorbell Camera
Brand Name : TELUS
Test Model : DCF
Series Model : N/A
Applicant : TELUS Communications Inc.
Address : 7th Floor, 510 West Georgia Street, Vancouver, BC, V6B0M3 Canada

Radio Function : RLAN 5 GHz (U-NII 1, U-NII 3)

FCC Rule Part(s) : FCC CFR Title 47, Part 15, Subpart E (15.407)
Measurement : ANSI C63.10-2013
Procedure(s)

Date of Receipt : 2023/12/21
Date of Test : 2023/12/25 ~ 2024/1/8
Issued Date : 2024/1/24

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

Prepared by

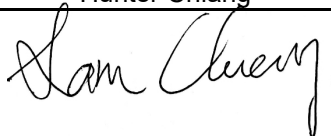
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Declaration

eLab 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).

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

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.

eLab'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.

eLab 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
eLab-FCCP-3-2303E004	R00	Original Report.	2024/1/24	Valid

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

FCC CFR Title 47, Part 15, Subpart E				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C	PASS	-----
15.407(a) 15.407(e)	Bandwidth	APPENDIX D	PASS	-----
15.407(a)	Maximum Output Power	APPENDIX E	PASS	-----
15.407(a)	Power Spectral Density	APPENDIX F	PASS	-----
15.407(g)	Frequency Stability	-----	PASS	NOTE (2)
15.203	Antenna Requirements	-----	PASS	NOTE (3)
15.407(c)	Automatically Discontinue Transmission	-----	PASS	NOTE (5)

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The item is declared by the manufacturer.
- (3) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.
- (4) The report format version is FR15EWL5_V1.0
- (5) The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report:

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: 681248 and DN: TW4045.

☒ C01 ☒ CB01 ☒ 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 eLab measurement uncertainty is less than the CISPR 16-4-2 U_{CISPR} requirement.

A. AC power line conducted emissions test:

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

B. Radiated emissions test:

Test Site	Measurement Frequency Range	U,(dB)
CB01	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	0.5332
Maximum Output Power	0.3669
Power Spectral Density	0.6590
Conducted Spurious emissions	0.5416
Conducted Band edges	0.5335
Frequency Stability	0.5333

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	Hunter Chiang
Radiated emissions below 1 GHz	25°C, 60%	AC 120V	Hunter Chiang
Radiated emissions above 1 GHz	25°C, 60%	AC 120V	Hunter Chiang
Bandwidth	25°C, 64%	AC 120V	Hunter Chiang
Maximum Output Power	25°C, 64%	AC 120V	Hunter Chiang
Power Spectral Density	25°C, 64%	AC 120V	Hunter Chiang
Antenna conducted Spurious Emission	25°C, 64%	AC 120V	Hunter Chiang

1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

UNII-1			
Test Software Version	NB-03A1-01		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	13	def	13
IEEE 802.11n(HT20)	def	def	def
IEEE 802.11ac(VHT20)	13	def	13
IEEE 802.11ax(HE20)	13	def	13
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	def	def	
IEEE 802.11ac(VHT40)	12	13	
IEEE 802.11ax(HE40)	12	13	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	10		
IEEE 802.11ax(HE80)	9		

UNII-3			
Test Software Version	NB-03A1-01		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	def	def	def
IEEE 802.11n(HT20)	def	def	def
IEEE 802.11ac(VHT20)	def	def	def
IEEE 802.11ax(HE20)	def	def	def
Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	def	def	
IEEE 802.11ac(VHT40)	def	def	
IEEE 802.11ax(HE40)	def	def	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	13		
IEEE 802.11ax(HE80)	13		

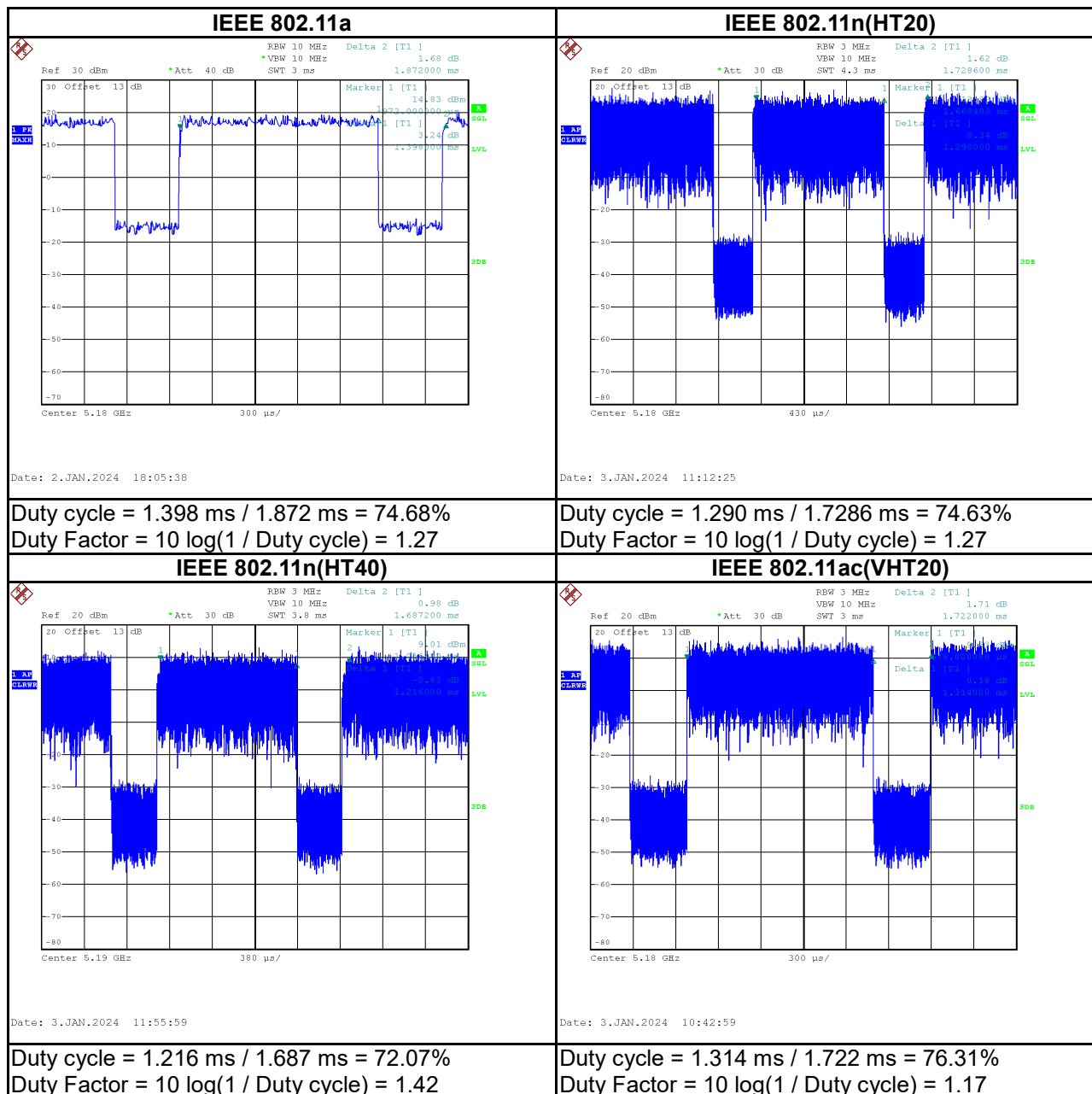
1.5 DUTY CYCLE

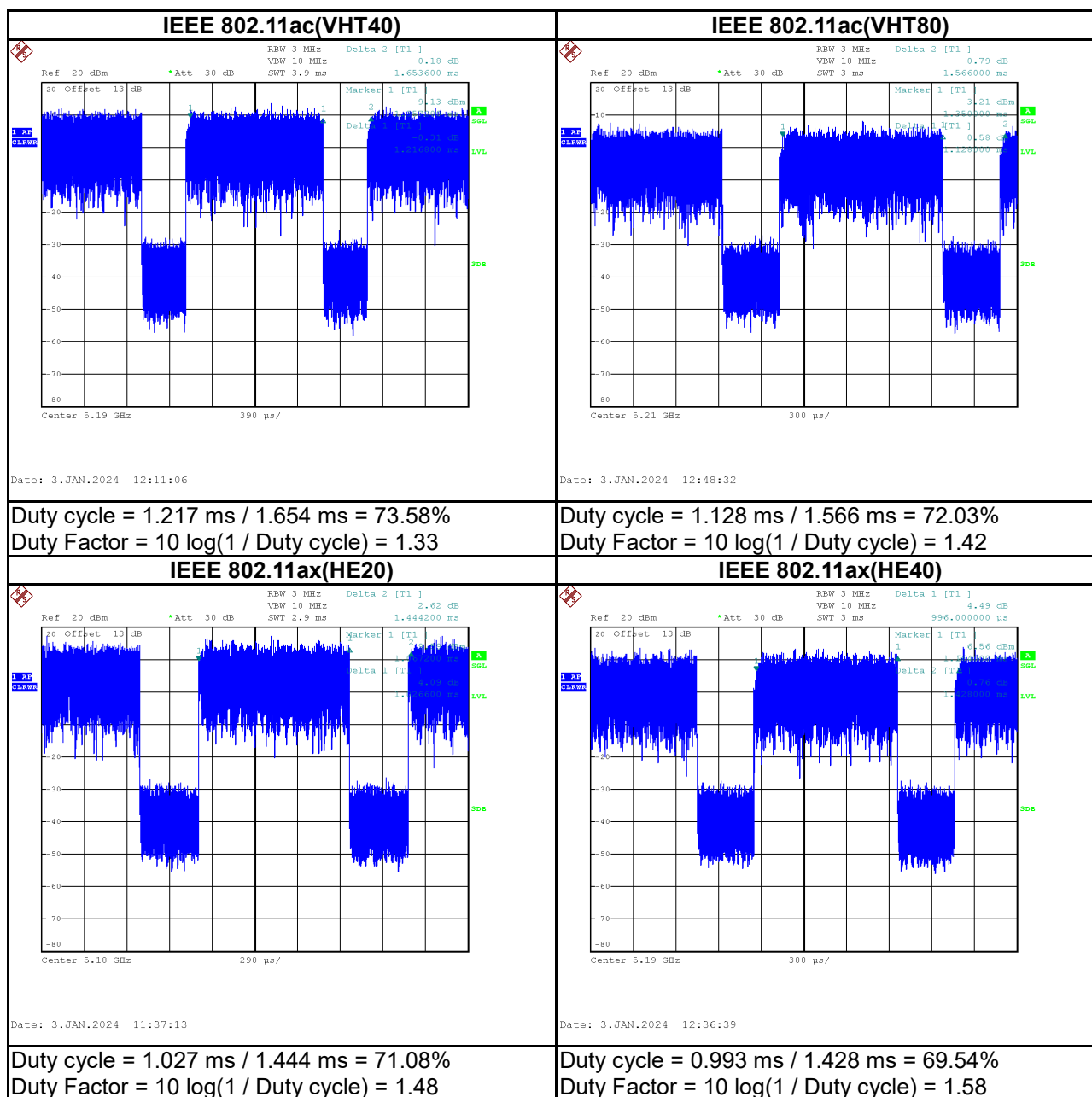
If duty cycle is $\geq 98\%$, duty factor is not required.

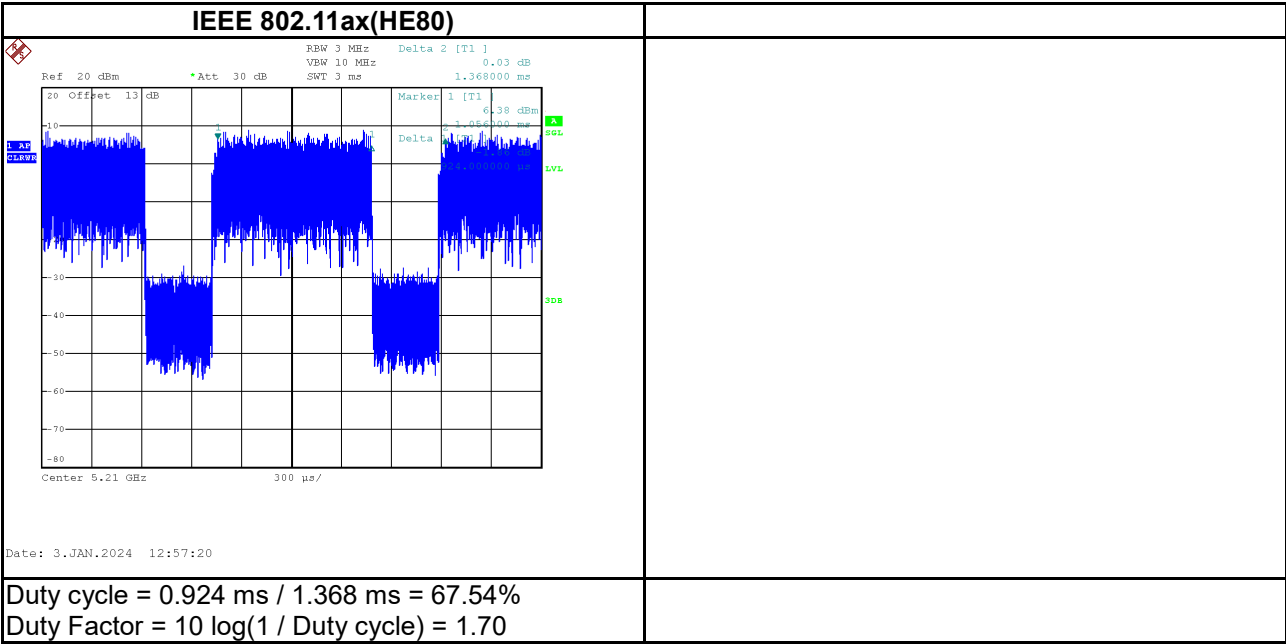
If duty cycle is $< 98\%$, duty factor shall be considered.

The output power = measured power + duty factor.

The power spectral density = measured power spectral density + duty factor.







2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	TELUS Doorbell Camera
Brand Name	TELUS
Test Model	DCF
Series Model	N/A
Model Difference(s)	N/A
Software Version	FW_0.06.011
Hardware Version	A
Power Source	AC Voltage supplied from AC/AC adapter. (support unit)
Power Rating	AC Voltage 10-24Vac, 10VA
Operation Band	UNII-1: 5150 MHz to 5250 MHz UNII-3: 5725 MHz to 5850 MHz
Operation Frequency	UNII-1: 5180 MHz to 5240 MHz UNII-3: 5745 MHz to 5825 MHz
Modulation Type	IEEE 802.11a/n/ac: OFDM IEEE 802.11ax: OFDMA
Transfer Rate	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ac: up to 866.7 Mbps IEEE 802.11ax: up to 1201 Mbps
Maximum Output Power UNII-1	IEEE 802.11n20: 23.75 dBm (0.2371 W)
Maximum Output Power UNII-3	IEEE 802.11ax40: 24.02 dBm (0.2523 W)

NOTE:

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

(2) Channel List:

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

(3) Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1		N/A	Dipole	N/A	3.75
2		N/A	Dipole	N/A	3.89

Note:

- 1) This EUT supports CDD, and all antenna gains are not equal, so the Directional Gain = maximum antenna gain is 3.89 dBi < 6 dBi, Thus, the limits of Output Power should not be reduced.
- 2) For the power spectral density, the directional gain=3.89 + 3.01dBi = 6.90. So, The UNII-1 power spectral density limit is 11-(6.90-6)=10.10, the UNII-3 power spectral density limit is 30-(6.90-6)=29.10. Ant.1 refers to Main Antenna, Ant.2 refers to Aux Antenna.
- 3) 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.

(4) Table for Antenna Configuration:

Operating Mode	TX Mode	2TX
IEEE 802.11a		V (Ant. 1 + Ant. 2)
IEEE 802.11n(HT20)		V (Ant. 1 + Ant. 2)
IEEE 802.11n(HT40)		V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT20)		V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT40)		V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT80)		V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE20)		V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE40)		V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE80)		V (Ant. 1 + Ant. 2)

2.2 TEST MODES

Test Items	Test mode	Channel	Note	
AC power line conducted emissions	IEEE 802.11ax(HE40)	151	-	
Transmitter Radiated Emissions (below 1GHz)	IEEE 802.11ax(HE40)	151	-	
Transmitter Radiated Emissions (above 1GHz)	IEEE 802.11a	36/48, 149/165	Bandedge	
	IEEE 802.11n (HT20) IEEE 802.11ax(HE20)			
	IEEE 802.11n (HT40) IEEE 802.11ax(HE40)	38/46, 151/159		
	IEEE 802.11ac (VHT80) IEEE 802.11ax(HE80)	42, 155		
	IEEE 802.11a	36/40/48 149/157/165	Harmonic	
	IEEE 802.11n (HT20) IEEE 802.11ax(HE20)			
	IEEE 802.11n (HT40) IEEE 802.11ax(HE40)	38/46/ 151/159		
	IEEE 802.11ac (VHT80) IEEE 802.11ax(HE80)	42/155		
	Bandwidth & Power Spectral Density & Maximum Output Power	TIEEE 802.11a	36/40/48 149/157/165	-
		IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		
IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		38/46 151/159		
IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)		42/155		

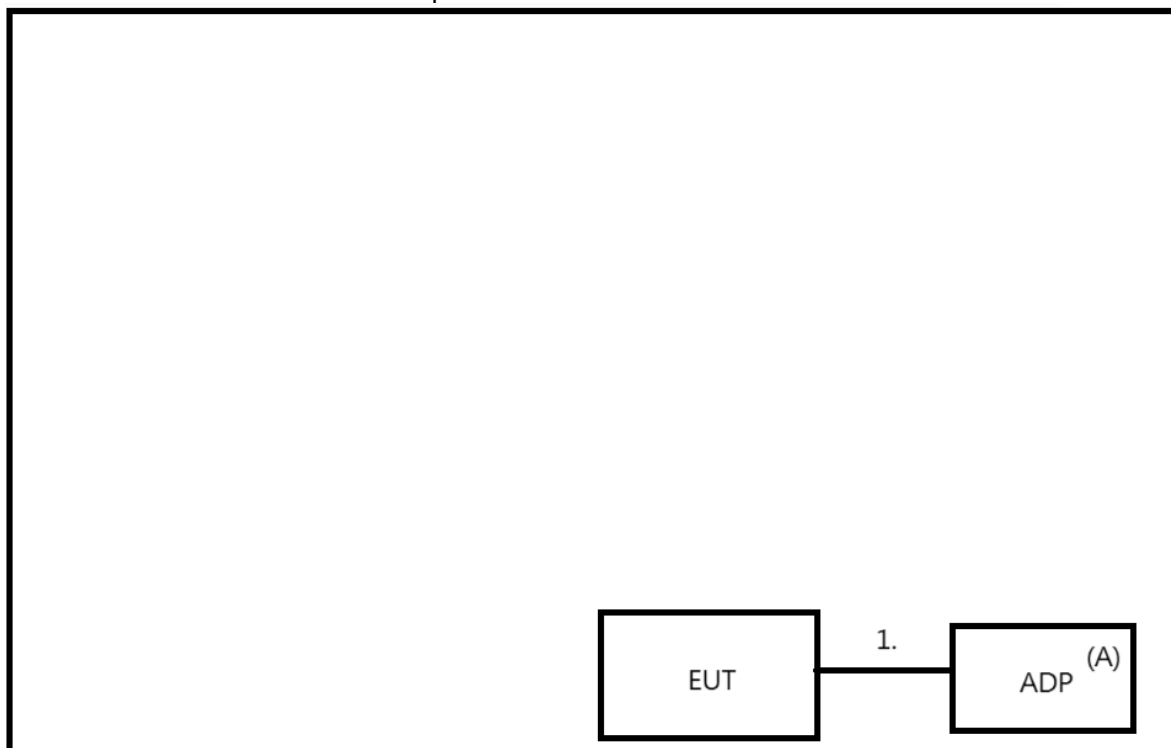
NOTE:

- (1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Vertical) is recorded.
- (2) The measurements for Output Power are tested, the worst case are IEEE 802.11a mode, IEEE 802.11n(HT20) mode, IEEE 802.11n(HT40) mode, IEEE 802.11ac(VHT80) mode, IEEE 802.11ax(HE20) mode, IEEE 802.11ax(HE40) mode and IEEE 802.11ax(HE80) mode, only the worst cases are documented for other test items.

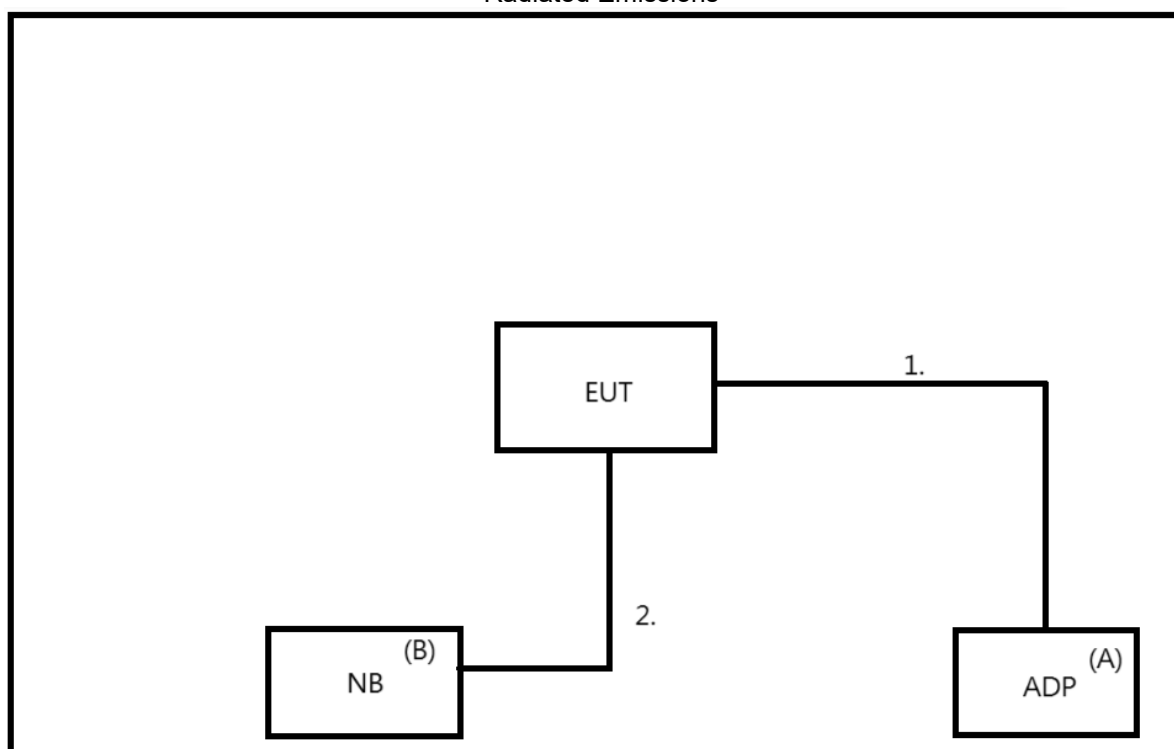
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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

Item	Equipment	Brand	Model No.	Remarks
A	AC ADAPTOR	N/A	N/A	Supplied by test requester.
B	NB	lenovo	Lenovo G40-70m	Furnished by test lab.

Item	Cable Type	Ferrite Core	Length	Shielded	Remarks
1	Power Cable	N/A	N/A	1.5m	Supplied by test requester.
2	Type-C Cable	N/A	N/A	1m	Furnished by test lab.

3 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

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

NOTE:

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

Calculation example:

Reading Level		Correct Factor		Measurement Value
38.22	+	3.45	=	41.67

Measurement Value		Limit Value		Margin Level
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

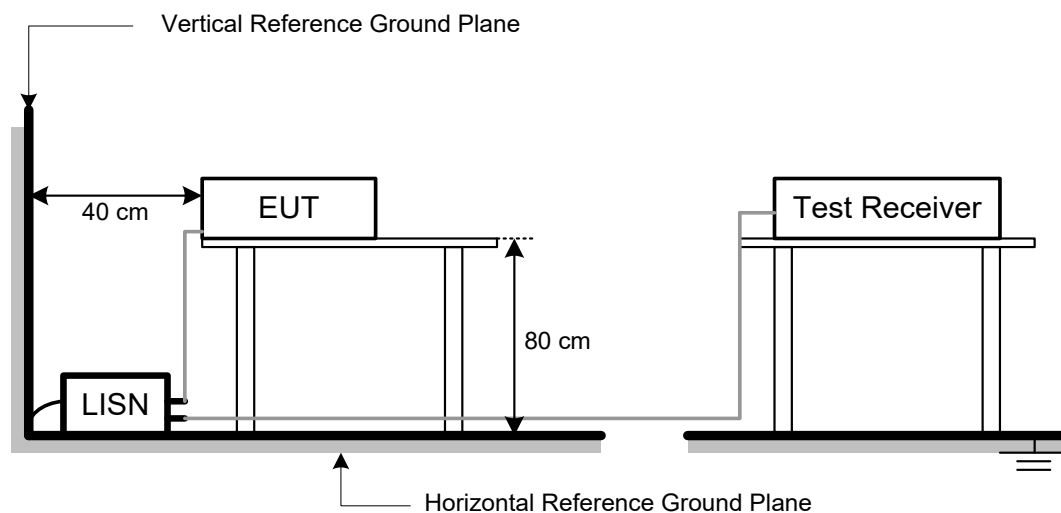
3.2 TEST PROCEDURE

- 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 TEST SETUP



3.4 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 UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.3
5250-5350	-27	68.3
5470-5725	-27	68.3
5725-5850	-27 (NOTE 2)	68.3
	10 (NOTE 2)	105.3
	15.6 (NOTE 2)	110.9
	27 (NOTE 2)	122.3

NOTE:

- (1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

- (2) According to FCC 16-24, All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

- (3) 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		Correct Factor		Measurement Value
36.23	+	-11.97	=	24.26

Measurement Value		Limit Value		Margin Level
24.26	-	40	=	-15.74

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

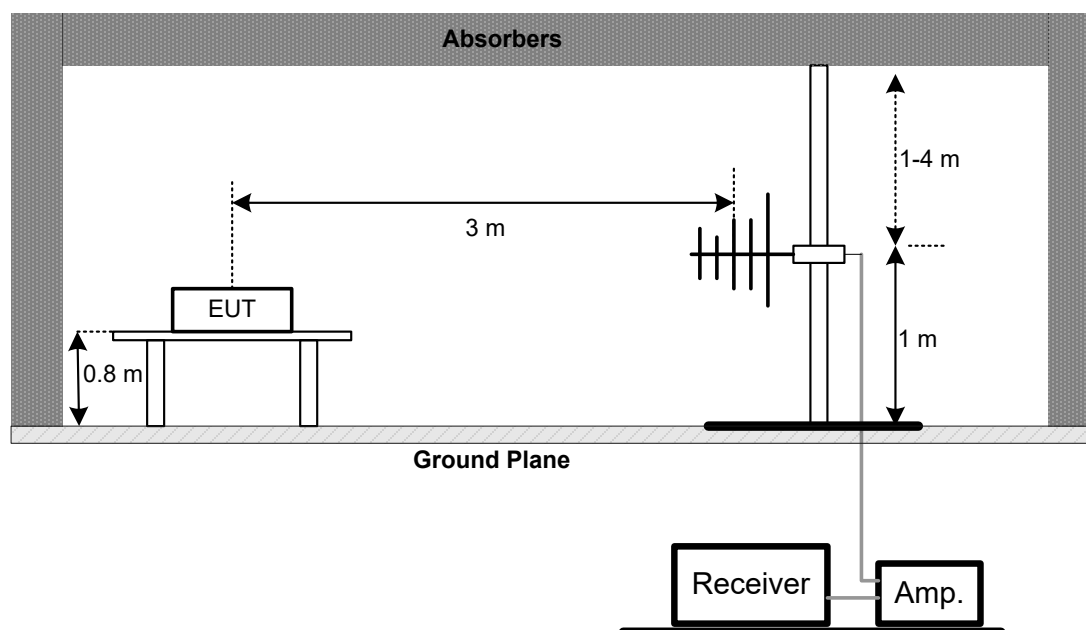
Spectrum Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP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

4.2 TEST PROCEDURE

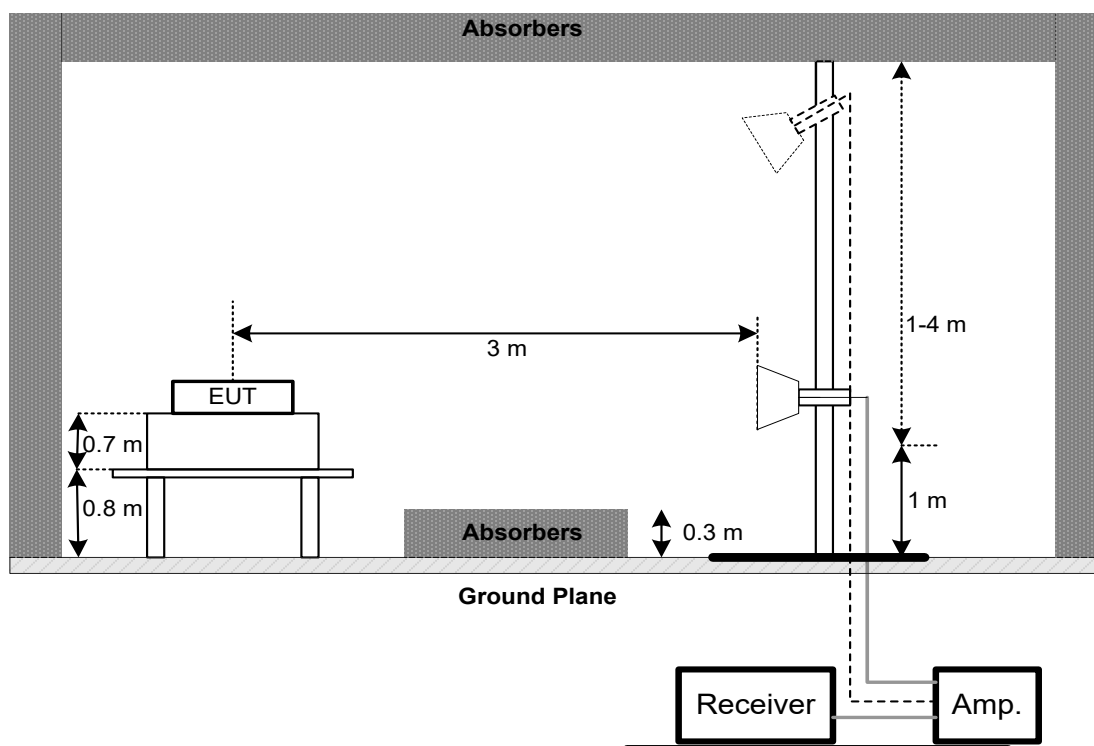
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of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

30 MHz to 1 GHz



Above 1 GHz



4.4 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.5 TEST RESULT – BELOW 30 MHZ

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

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

FCC Part15, Subpart E (15.407)		
Section	Test Item	Frequency Range (MHz)
15.407(a)	26 dB Bandwidth	5150-5250
	Minimum 500 kHz 6 dB Bandwidth	5725-5850

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:
For UNII-1:

Spectrum Parameter	Setting
Span Frequency	> 26 dB Bandwidth
RBW	Appromiximately 1% of the emission bandwidth
VBW	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For UNII-3:

Spectrum Parameter	Setting
Span Frequency	> 6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For 99% Occupied Bandwidth:

Spectrum Parameter	Setting
Span Frequency	1.5 times to 5 times the OBW
RBW	1% to 5% of the OBW
VBW	$\geq 3 \times \text{RBW}$
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- Measured the spectrum width with power higher than 26 dB / 6 dB below carrier.

5.3 TEST SETUP



5.4 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.5 TEST RESULT

Please refer to the APPENDIX D.

6 MAXIMUM OUTPUT POWER TEST

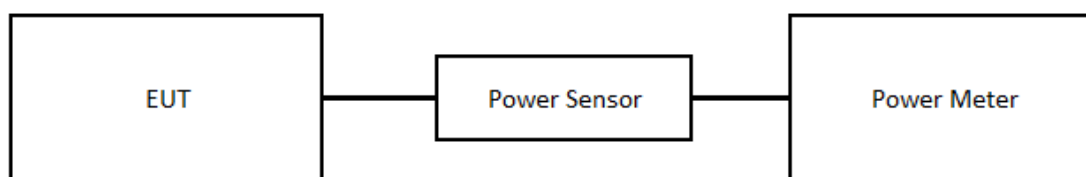
6.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Maximum Output Power	AP device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		1 Watt (30dBm)	5725-5850
Note: The maximum e.i.r.p at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW(21 dBm).			

6.2 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- b. The maximum peak conducted output power was performed in accordance with method of clause E. 3. a) FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
 - a) Method PM (Measurement using an RF average power meter):
 - (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied
The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
 - (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
 - (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
 - (iv) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle (e.g., $10 \log (1/0.25)$ if the duty cycle is 25%).

6.3 TEST SETUP



6.4 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.5 TEST RESULT

Please refer to the APPENDIX E.

7 POWER SPECTRAL DENSITY

7.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	AP device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		30 dBm/500 kHz	5725-5850

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:

For UNII-1:

Spectrum Parameter	Setting
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1 MHz.
VBW	3 MHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

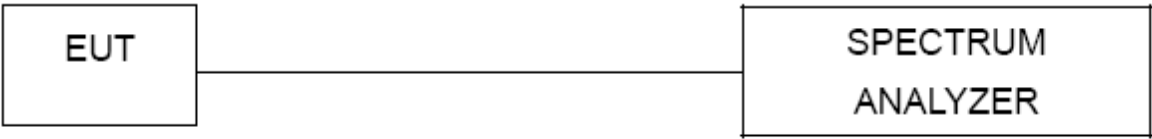
For UNII-3:

Spectrum Parameter	Setting
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	100 kHz.
VBW	300 kHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 100kHz and VBW at 300kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log (500 \text{ kHz}/100 \text{ kHz})$ to the measured result, i.e. 7 dB.
- During the test of U-NII 3 PSD, the measurement result with RBW=100kHz has been added 7 dB by compensating offset. For example, the cable loss is 13 dB, and the final offset is $13 + 7 = 20 \text{ dB}$ when RBW=100kHz is used.

7.3 TEST SETUP



7.4 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.5 TEST RESULT

Please refer to the APPENDIX F.

LIST OF MEASURING EQUIPMENTS

AC Power Line Conducted Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Reciver	MXE EMI Reciver	Agilent Technologies	N9038A	2023/6/26	2024/6/25
2	LISN	Two-Line V-Network	R&S	ENV216	2023/7/21	2024/7/20

Radiated Emissions_ Below 1G						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Reciver	MXE EMI Reciver	Agilent Technologies	N9038A	2023/6/26	2024/6/25
2	Antenna	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	2023/12/18	2024/12/17
3	Attenuator	6dB Attenuator	EMCI	EMCI-N-6-05	2023/12/18	2024/12/17

Radiated Emissions_ Above 1G						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum	EXA Signal Analyzer	Keysight	N9010A	2023/9/12	2024/9/11
2	Pre-Amplifler	1G-18G Pre-Amplifler	EMCI	EMC118A45SE	2023/7/18	2024/7/17
3	Antenna	Broad-Band Horn Antenna	RFSPIN	DRH18-E	2023/2/10	2024/2/9
4	Pre-Amplifler	18G-40G Pre-Amplifler	EMCI	EMC184045SE	2023/12/11	2024/12/10
5	Antenna	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	2023/6/29	2024/6/28

Bandwidth & Maximum Output Power & Power Spectral Density & 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	2023/6/26	2024/6/25

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

8 EUT TEST PHOTO

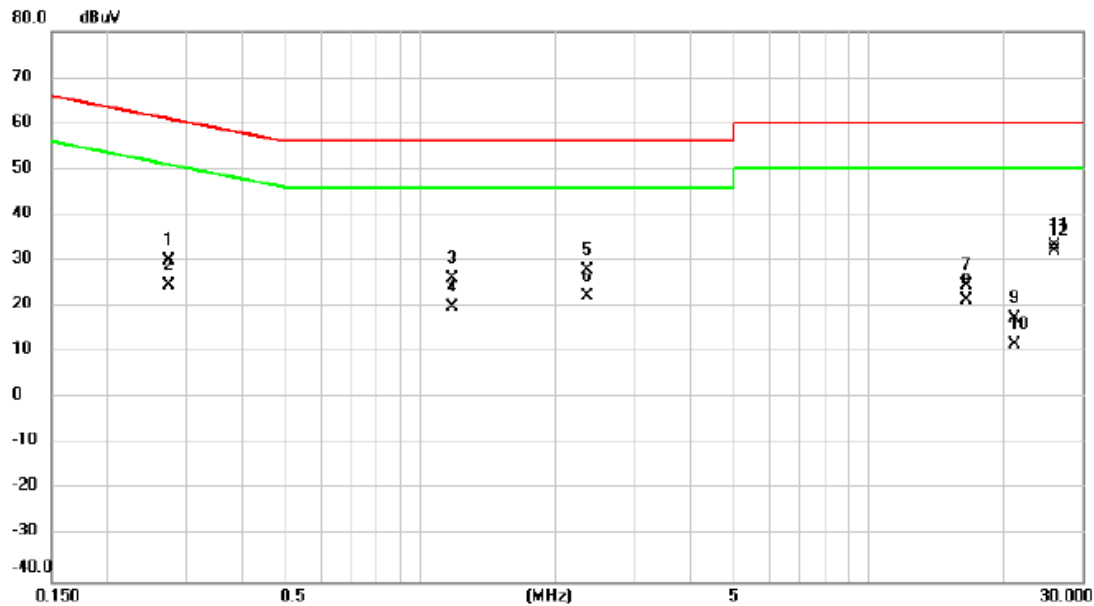
Please refer to APPENDIX-TEST PHOTOS

9 EUT PHOTOS

Please refer to APPENDIX-EUT PHOTOS

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	IEEE 802.11ax(HE40)	Tested Date	2024/1/5
Test Frequency	5755MHz	Phase	Line

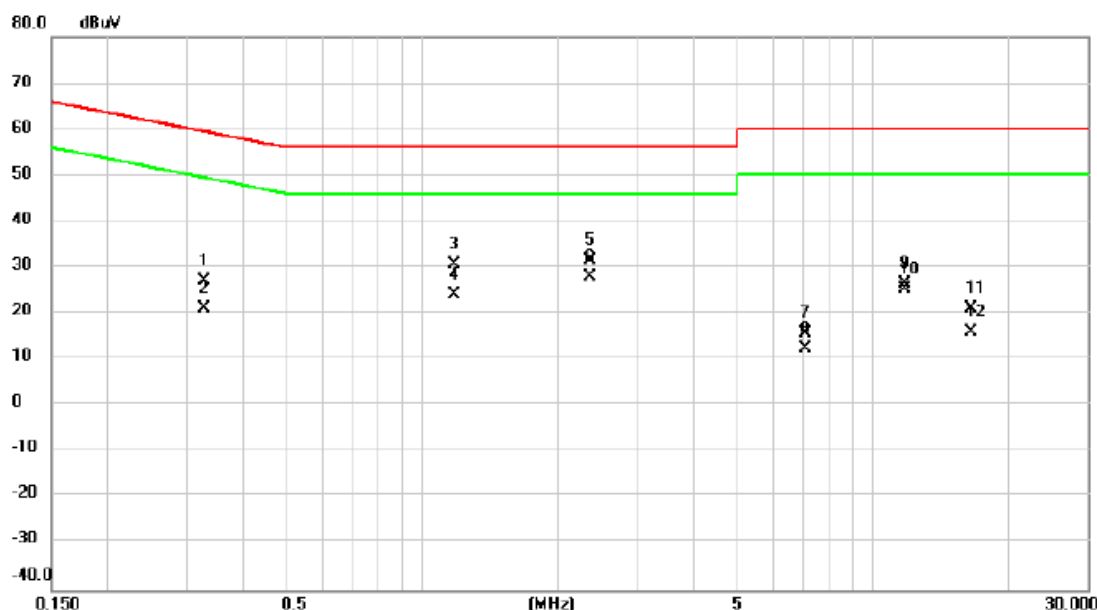


No.	Mk.	Freq. MHz	Reading Level dBμV	Correct Factor dB	Measure- ment dBμV	Limit dBμV	Margin dB	Detector	Comment
1		0.2742	20.32	9.66	29.98	60.99	-31.01	QP	
2		0.2742	14.87	9.66	24.53	50.99	-26.46	AVG	
3		1.1795	16.35	9.74	26.09	56.00	-29.91	QP	
4		1.1795	10.08	9.74	19.82	46.00	-26.18	AVG	
5		2.3540	18.28	9.81	28.09	56.00	-27.91	QP	
6	*	2.3540	12.56	9.81	22.37	46.00	-23.63	AVG	
7		16.4750	14.61	10.14	24.75	60.00	-35.25	QP	
8		16.4750	11.11	10.14	21.25	50.00	-28.75	AVG	
9		21.1750	7.41	10.19	17.60	60.00	-42.40	QP	
10		21.1750	1.53	10.19	11.72	50.00	-38.28	AVG	
11		25.9000	23.14	10.20	33.34	60.00	-26.66	QP	
12		25.9000	21.88	10.20	32.08	60.00	-27.92	QP	

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Tested Date	2024/1/5
Test Frequency	5755MHz	Phase	Neutral



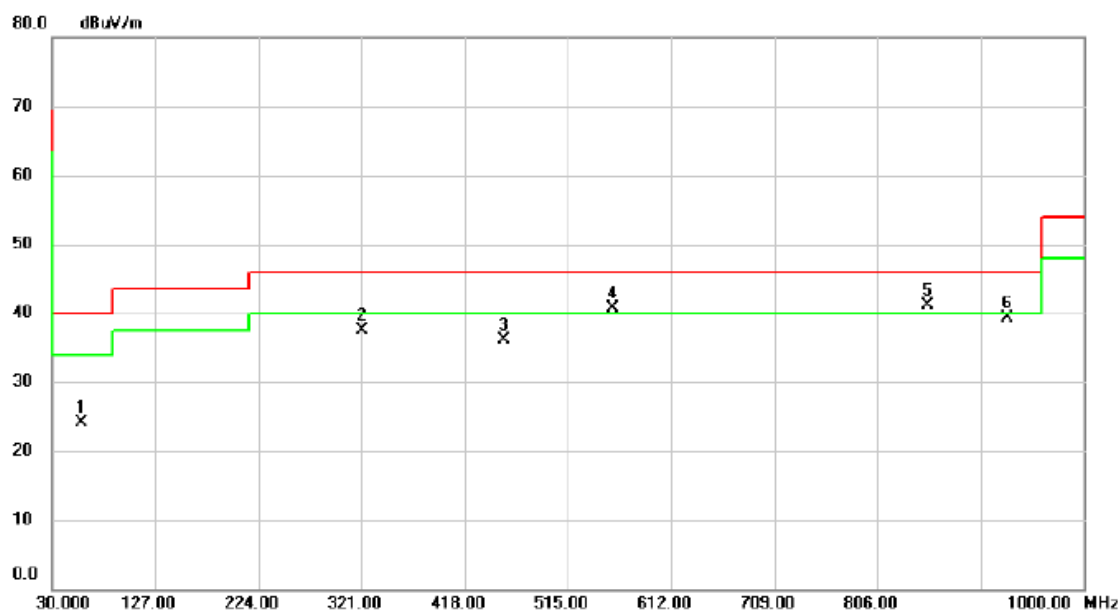
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.3274	17.26	9.66	26.92	59.52	-32.60	QP	
2	0.3274	11.52	9.66	21.18	49.52	-28.34	AVG	
3	1.1795	20.97	9.74	30.71	56.00	-25.29	QP	
4	1.1795	14.26	9.74	24.00	46.00	-22.00	AVG	
5	2.3540	21.80	9.82	31.62	56.00	-24.38	QP	
6 *	2.3540	18.12	9.82	27.94	46.00	-18.06	AVG	
7	7.0750	5.61	9.98	15.59	60.00	-44.41	QP	
8	7.0750	2.41	9.98	12.39	50.00	-37.61	AVG	
9	11.7750	16.42	10.13	26.55	60.00	-33.45	QP	
10	11.7750	15.00	10.13	25.13	50.00	-24.87	AVG	
11	16.4750	10.87	10.23	21.10	60.00	-38.90	QP	
12	16.4750	5.81	10.23	16.04	50.00	-33.96	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 802.11ax(HE40)	Test Date	2024/1/5
Test Frequency	5755MHz	Polarization	Vertical

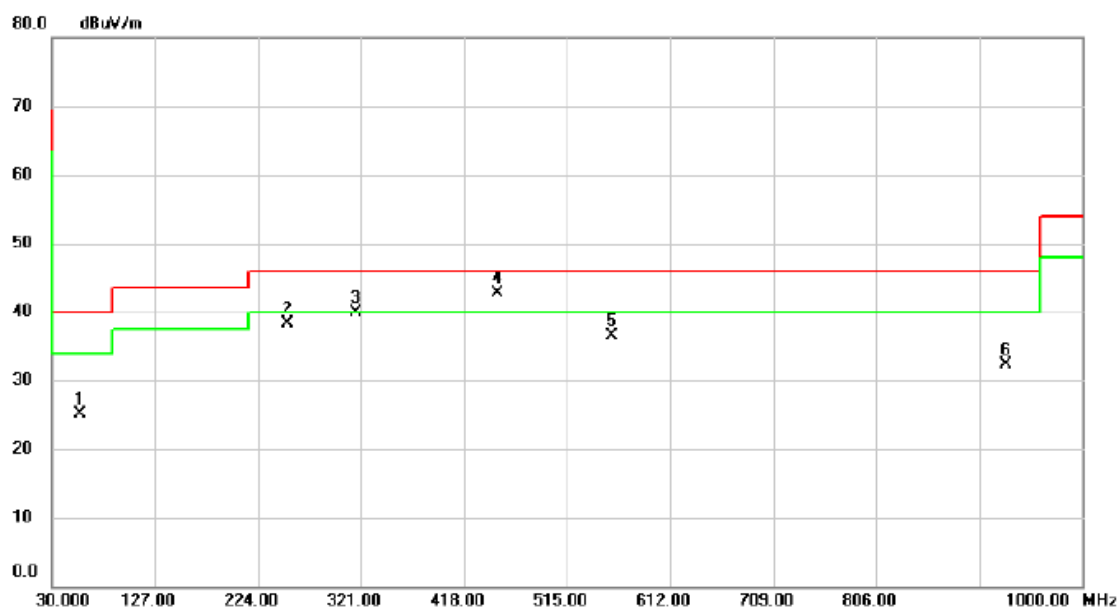


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		58.1300	35.87	-11.74	24.13	40.00	-15.87	peak	200	86
2		321.9700	47.16	-9.67	37.49	46.00	-8.51	peak	100	357
3		454.8600	41.96	-5.93	36.03	46.00	-9.97	peak	200	169
4		556.7100	44.77	-3.99	40.78	46.00	-5.22	peak	200	190
5	*	853.5300	39.72	1.39	41.11	46.00	-4.89	peak	200	160
6		928.2200	37.33	2.04	39.37	46.00	-6.63	peak	200	182

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/5
Test Frequency	5755MHz	Polarization	Horizontal



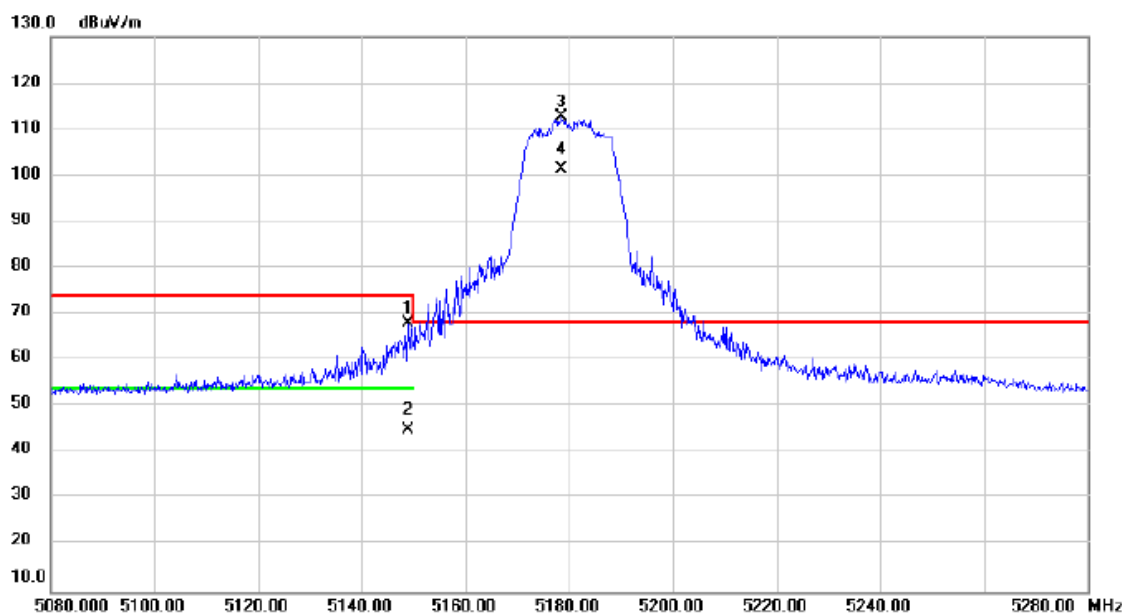
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		56.1900	36.81	-11.65	25.16	40.00	-14.84	peak	200	149
2		251.1600	50.34	-11.97	38.37	46.00	-7.63	peak	100	135
3		316.1500	49.64	-9.83	39.81	46.00	-6.19	peak	200	284
4	*	450.0100	48.64	-6.00	42.64	46.00	-3.36	peak	100	149
5		556.7100	40.43	-3.99	36.44	46.00	-9.56	peak	100	293
6		928.2200	30.21	2.04	32.25	46.00	-13.75	peak	100	144

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 802.11a	Test Date	2024/1/4
Test Frequency	5180MHz	Polarization	Vertical

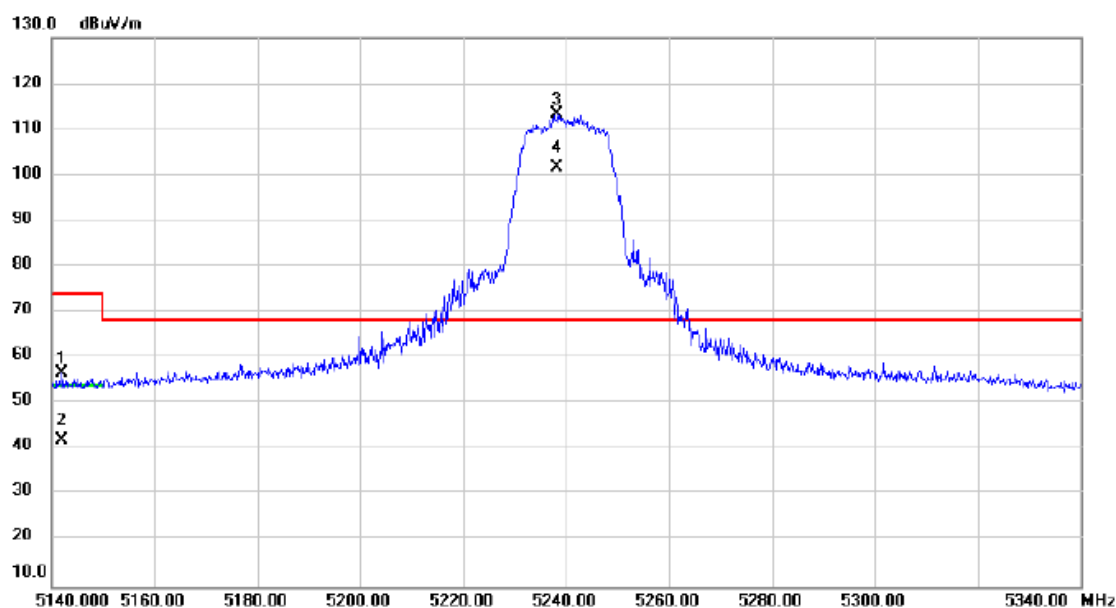


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5148.800	57.96	9.99	67.95	74.00	-6.05	peak		
2		5148.800	34.96	9.99	44.95	54.00	-9.05	AVG		
3	*	5178.600	102.89	9.99	112.88	68.20	44.68	peak		No Limit
4	X	5178.600	91.36	9.99	101.35	68.20	33.15	AVG		No Limit

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5240MHz	Polarization	Vertical

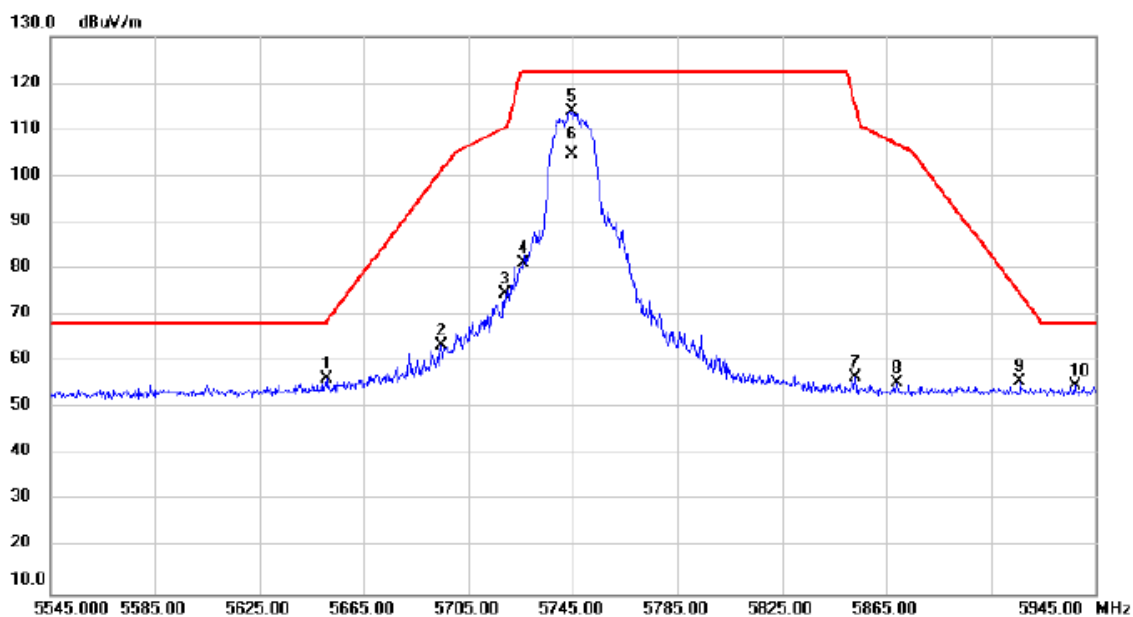


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		5142.000	46.64	9.98	56.62	74.00	-17.38	peak			
2		5142.000	32.09	9.98	42.07	54.00	-11.93	AVG			
3	*	5238.400	103.39	10.00	113.39	68.20	45.19	peak			No Limit
4	X	5238.400	91.76	10.00	101.76	68.20	33.56	AVG			No Limit

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5745MHz	Polarization	Vertical

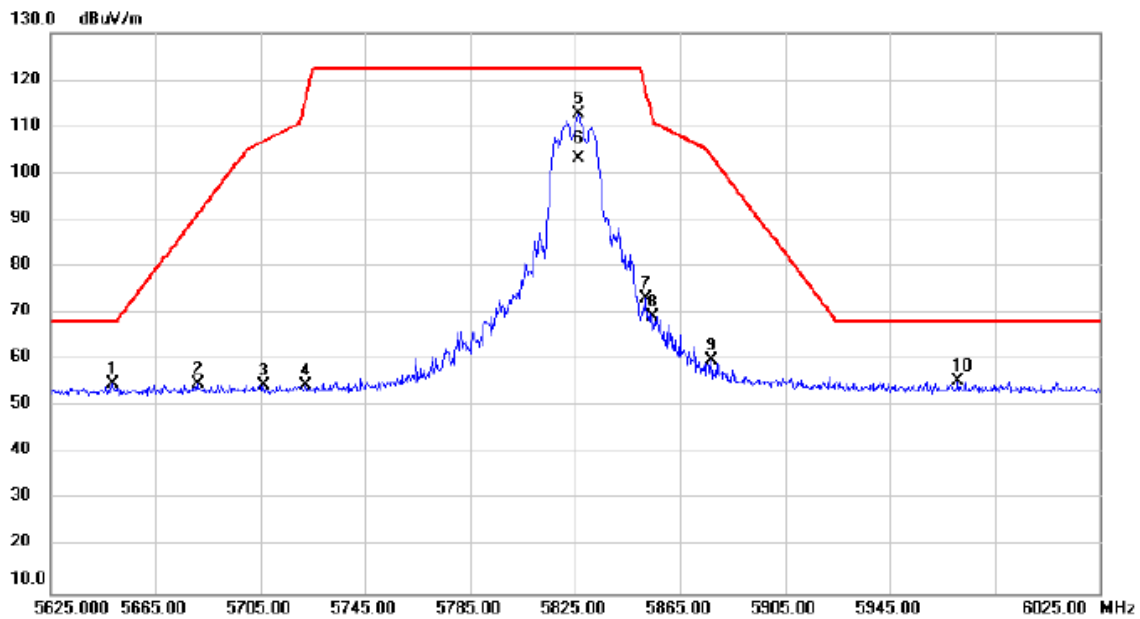


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5650.600	45.98	10.43	56.41	68.65	-12.24	peak		
2		5694.600	53.07	10.54	63.61	101.22	-37.61	peak		
3		5719.000	64.15	10.61	74.76	110.52	-35.76	peak		
4		5725.800	70.54	10.62	81.16	122.20	-41.04	peak		
5	*	5744.600	103.34	10.68	114.02	122.20	-8.18	peak		No Limit
6		5744.600	94.11	10.68	104.79	122.20	-17.41	AVG		No Limit
7		5853.000	45.74	10.96	56.70	115.36	-58.66	peak		
8		5869.000	44.55	11.00	55.55	106.88	-51.33	peak		
9		5916.200	44.68	11.12	55.80	74.69	-18.89	peak		
10		5937.000	43.59	11.18	54.77	68.20	-13.43	peak		

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5825MHz	Polarization	Vertical

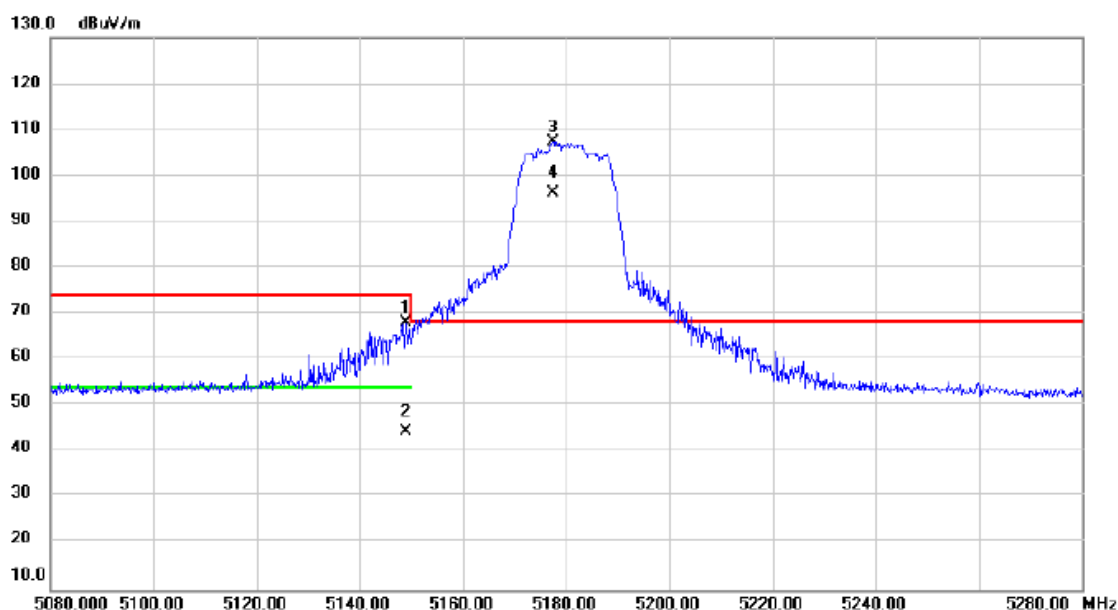


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5648.600	44.53	10.43	54.96	68.20	-13.24	peak		
2		5681.000	44.27	10.51	54.78	91.18	-36.40	peak		
3		5706.200	44.07	10.57	54.64	106.94	-52.30	peak		
4		5722.200	43.84	10.61	54.45	115.82	-61.37	peak		
5	*	5826.200	101.77	10.88	112.65	122.20	-9.55	peak		No Limit
6		5826.200	92.36	10.88	103.24	122.20	-18.96	AVG		No Limit
7		5851.800	62.20	10.95	73.15	118.09	-44.94	peak		
8		5854.600	58.37	10.96	69.33	111.71	-42.38	peak		
9		5877.000	49.01	11.02	60.03	103.71	-43.68	peak		
10		5971.000	44.23	11.26	55.49	68.20	-12.71	peak		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5180MHz	Polarization	Vertical

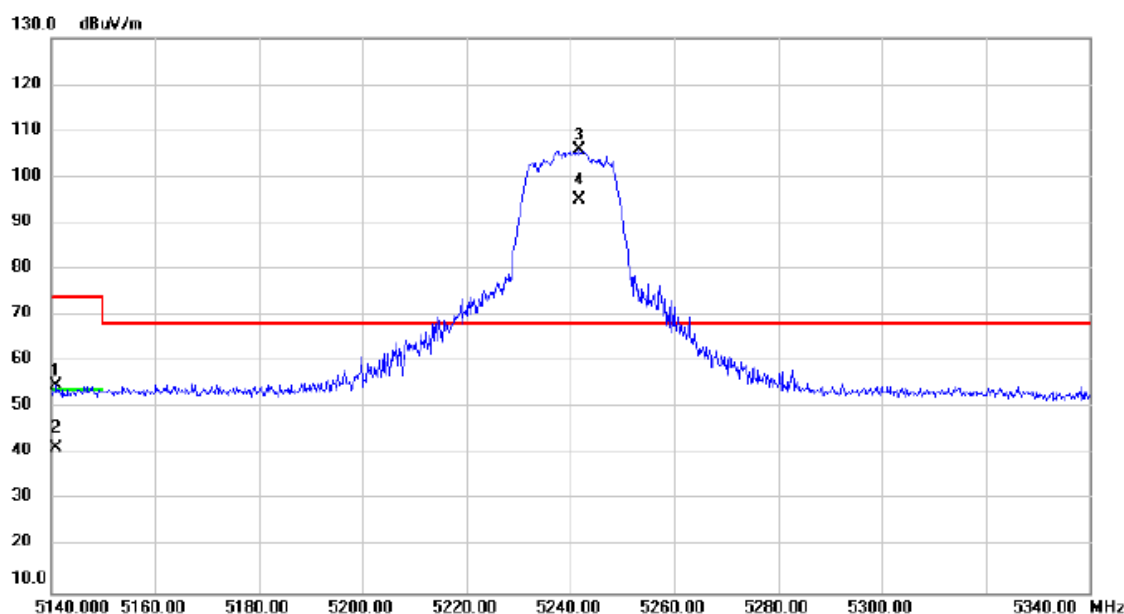


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		5148.800	58.01	9.99	68.00	74.00	-6.00	peak			
2		5148.800	34.46	9.99	44.45	54.00	-9.55	AVG			
3	*	5177.400	97.44	9.99	107.43	68.20	39.23	peak			No Limit
4	X	5177.400	86.30	9.99	96.29	68.20	28.09	AVG			No Limit

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5240MHz	Polarization	Vertical

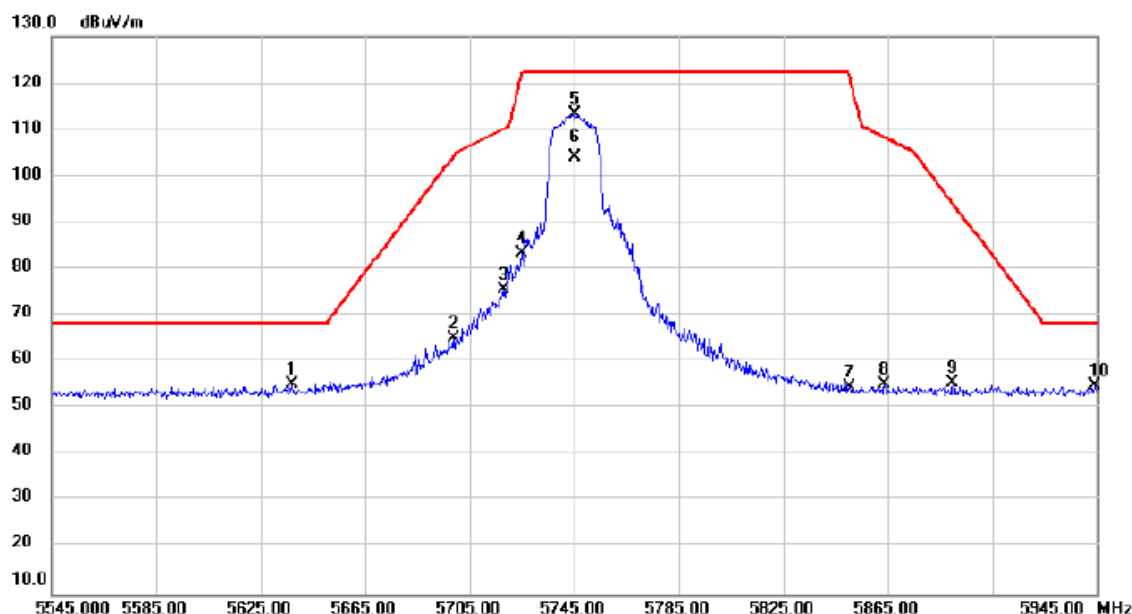


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5141.000	44.92	9.98	54.90	74.00	-19.10	peak		
2		5141.000	31.30	9.98	41.28	54.00	-12.72	AVG		
3	*	5241.800	95.73	10.01	105.74	68.20	37.54	peak		No Limit
4	X	5241.800	85.16	10.01	95.17	68.20	26.97	AVG		No Limit

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5745MHz	Polarization	Vertical

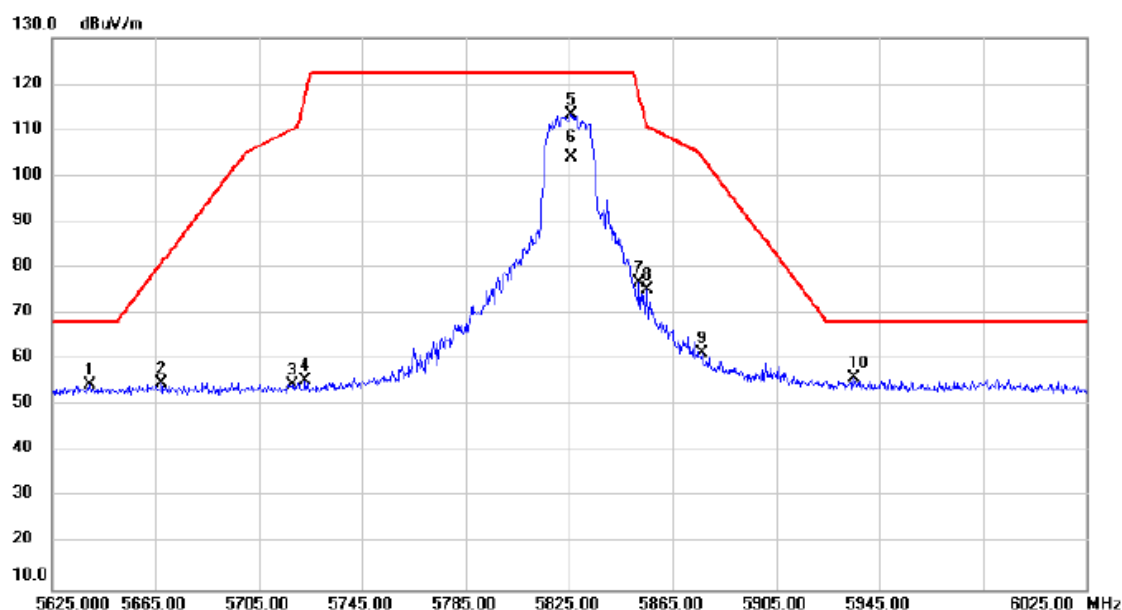


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5637.000	44.88	10.39	55.27	68.20	-12.93	peak		
2		5698.600	54.52	10.56	65.08	104.17	-39.09	peak		
3		5717.800	64.83	10.61	75.44	110.18	-34.74	peak		
4		5725.000	72.78	10.62	83.40	122.20	-38.80	peak		
5	*	5745.000	102.55	10.68	113.23	122.20	-8.97	peak		No Limit
6		5745.000	93.31	10.68	103.99	122.20	-18.21	AVG		No Limit
7		5850.200	43.53	10.95	54.48	121.74	-67.26	peak		
8		5863.800	44.02	10.99	55.01	108.33	-53.32	peak		
9		5889.800	44.28	11.06	55.34	94.22	-38.88	peak		
10		5944.200	43.53	11.19	54.72	68.20	-13.48	peak		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5825MHz	Polarization	Vertical



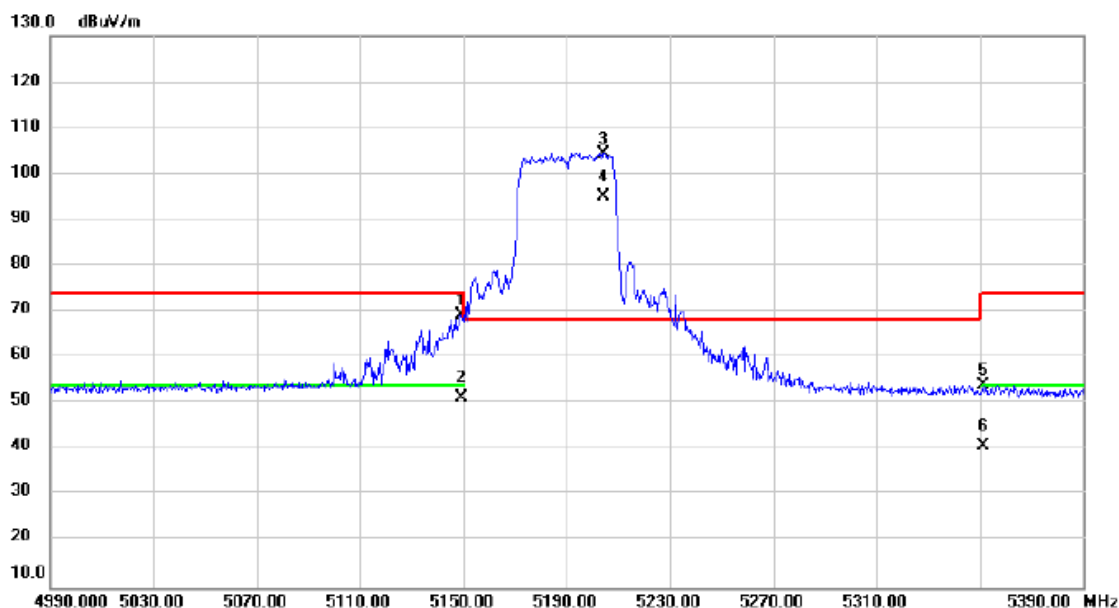
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		5639.800	44.19	10.41	54.60	68.20	-13.60	peak		
2		5667.400	44.51	10.47	54.98	81.11	-26.13	peak		
3		5717.800	43.91	10.61	54.52	110.18	-55.66	peak		
4		5723.000	44.90	10.62	55.52	117.64	-62.12	peak		
5	*	5825.800	102.39	10.88	113.27	122.20	-8.93	peak		
6		5825.800	93.31	10.88	104.19	122.20	-18.01	AVG		No Limit
7		5852.200	65.89	10.95	76.84	117.18	-40.34	peak		No Limit
8		5855.000	64.24	10.96	75.20	110.80	-35.60	peak		
9		5876.600	50.46	11.02	61.48	104.01	-42.53	peak		
10		5935.400	44.74	11.18	55.92	68.20	-12.28	peak		

REMARKS:

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

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5190MHz	Polarization	Vertical

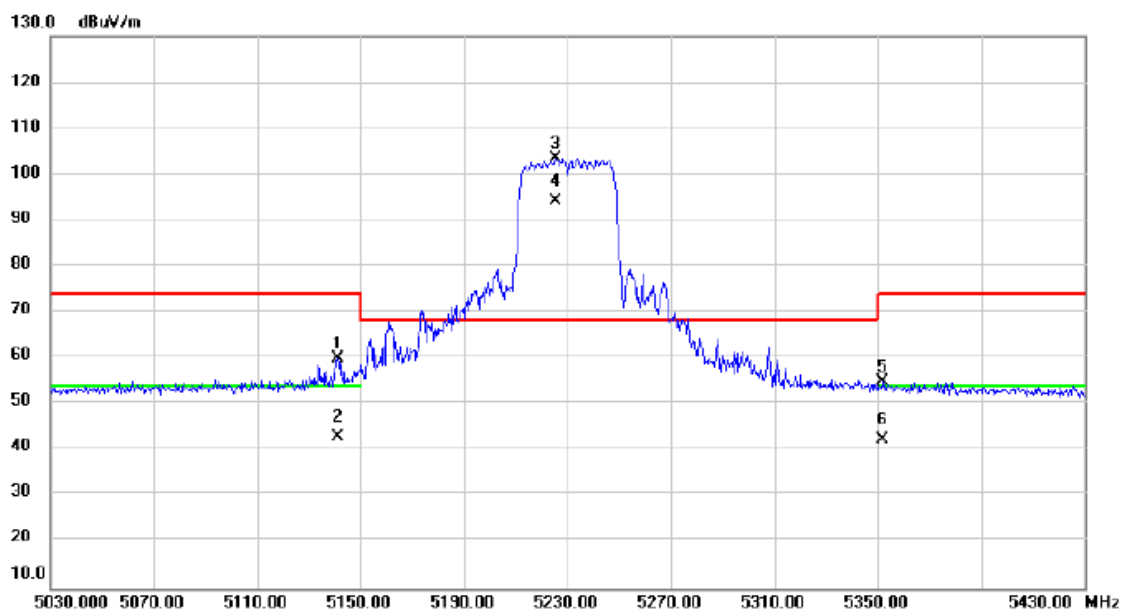


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5149.200	59.39	9.99	69.38	74.00	-4.62	peak		
2		5149.200	41.21	9.99	51.20	54.00	-2.80	AVG		
3	*	5204.400	94.34	10.00	104.34	68.20	36.14	peak		No Limit
4	X	5204.400	84.93	10.00	94.93	68.20	26.73	AVG		No Limit
5		5351.200	43.99	10.02	54.01	74.00	-19.99	peak		
6		5351.200	30.87	10.02	40.89	54.00	-13.11	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5230MHz	Polarization	Vertical

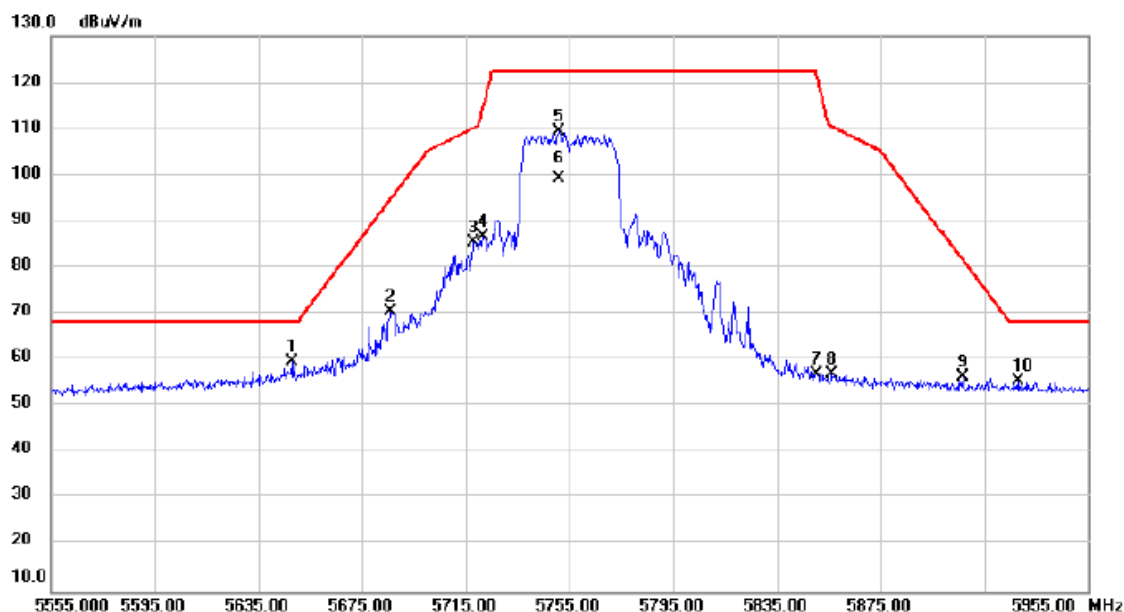


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		5141.200	49.87	9.98	59.85	74.00	-14.15	peak			
2		5141.200	32.77	9.98	42.75	54.00	-11.25	AVG			
3	*	5225.600	93.60	10.00	103.60	68.20	35.40	peak			No Limit
4	X	5225.600	84.03	10.00	94.03	68.20	25.83	AVG			No Limit
5		5351.600	44.79	10.02	54.81	74.00	-19.19	peak			
6		5351.600	32.18	10.02	42.20	54.00	-11.80	AVG			

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5755MHz	Polarization	Vertical

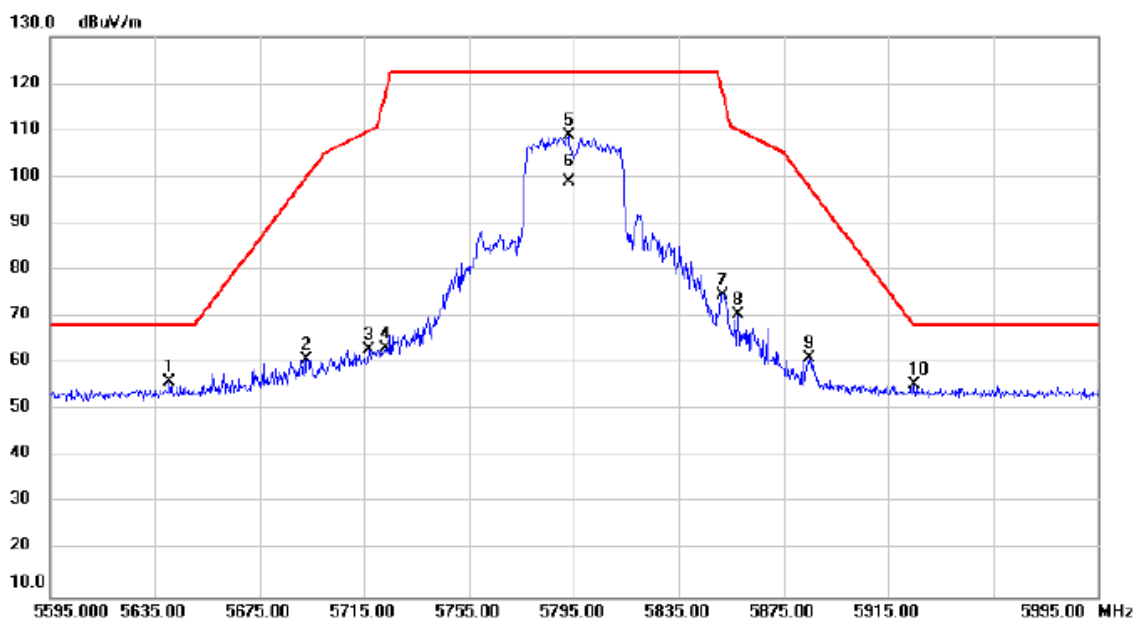


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	*	5647.800	49.15	10.43	59.58	68.20	-8.62	peak			
2		5686.200	59.88	10.53	70.41	95.02	-24.61	peak			
3		5718.200	74.97	10.61	85.58	110.30	-24.72	peak			
4		5721.800	76.13	10.61	86.74	114.91	-28.17	peak			
5		5751.000	98.88	10.69	109.57	122.20	-12.63	peak			No Limit
6		5751.000	88.52	10.69	99.21	122.20	-22.99	AVG			No Limit
7		5850.200	46.02	10.95	56.97	121.74	-64.77	peak			
8		5856.200	46.04	10.96	57.00	110.46	-53.46	peak			
9		5906.600	45.35	11.10	56.45	81.78	-25.33	peak			
10		5928.200	44.34	11.16	55.50	68.20	-12.70	peak			

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5795MHz	Polarization	Vertical

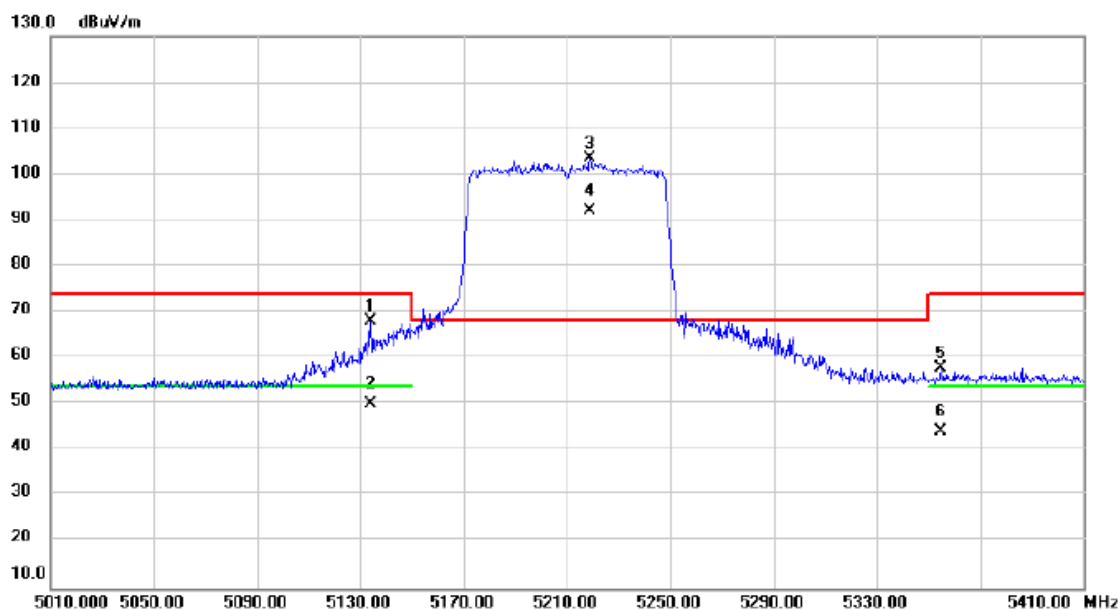


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	*	5640.600	45.55	10.41	55.96	68.20	-12.24	peak		
2		5693.000	50.38	10.54	60.92	100.04	-39.12	peak		
3		5716.600	52.49	10.60	63.09	109.85	-46.76	peak		
4		5723.000	52.75	10.62	63.37	117.64	-54.27	peak		
5		5793.000	98.02	10.81	108.83	122.20	-13.37	peak		No Limit
6		5793.000	88.25	10.81	99.06	122.20	-23.14	AVG		No Limit
7		5851.800	63.85	10.95	74.80	118.09	-43.29	peak		
8		5857.800	59.45	10.97	70.42	110.01	-39.59	peak		
9		5885.000	50.08	11.04	61.12	97.77	-36.65	peak		
10		5925.000	44.32	11.15	55.47	68.20	-12.73	peak		

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2024/1/4
Test Frequency	5210MHz	Polarization	Vertical

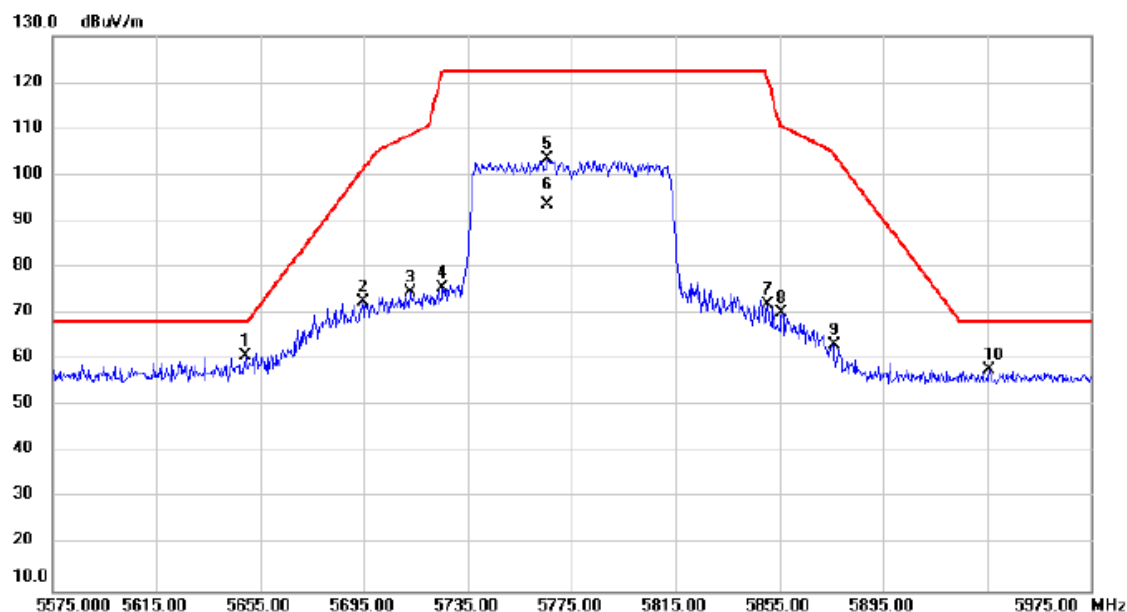


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5134.000	58.07	9.99	68.06	74.00	-5.94	peak		
2		5134.000	40.17	9.99	50.16	54.00	-3.84	AVG		
3	*	5218.800	93.46	10.00	103.46	68.20	35.26	peak		No Limit
4	X	5218.800	82.08	10.00	92.08	68.20	23.88	AVG		No Limit
5		5354.800	47.70	10.02	57.72	74.00	-16.28	peak		
6		5354.800	33.95	10.02	43.97	54.00	-10.03	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2024/1/4
Test Frequency	5775MHz	Polarization	Vertical

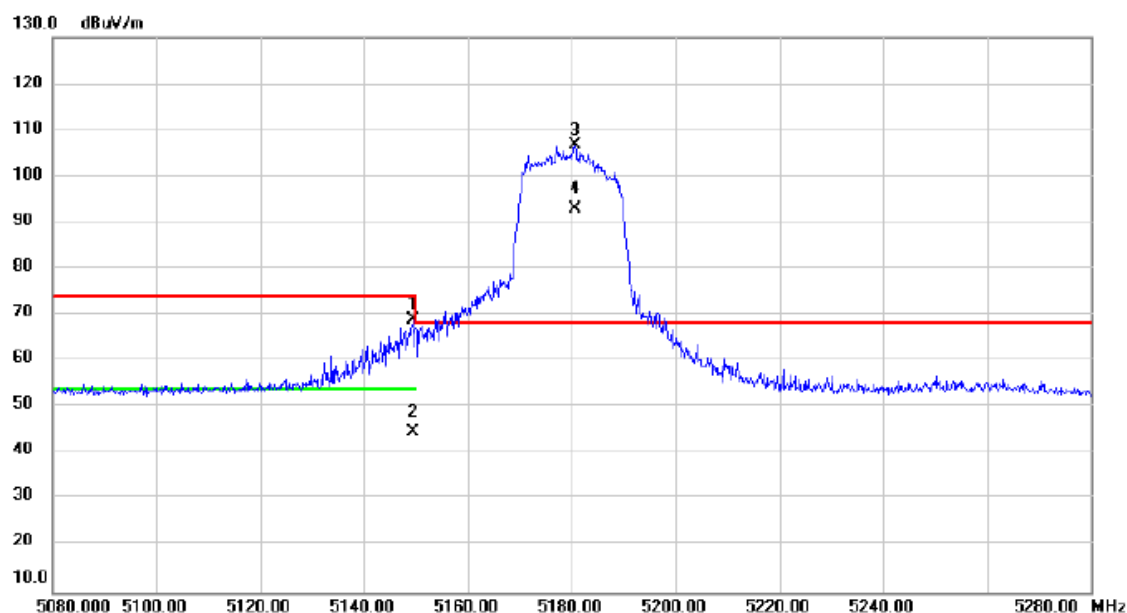


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	5649.400	50.31	10.43	60.74	68.20	-7.46	peak		
2		5694.600	61.88	10.54	72.42	101.22	-28.80	peak		
3		5712.600	64.10	10.59	74.69	108.73	-34.04	peak		
4		5725.400	65.01	10.62	75.63	122.20	-46.57	peak		
5		5765.800	92.73	10.73	103.46	122.20	-18.74	peak		No Limit
6		5765.800	82.84	10.73	93.57	122.20	-28.63	AVG		No Limit
7		5850.600	61.06	10.95	72.01	120.83	-48.82	peak		
8		5855.800	59.27	10.96	70.23	110.58	-40.35	peak		
9		5875.800	52.27	11.02	63.29	104.61	-41.32	peak		
10		5935.800	46.74	11.18	57.92	68.20	-10.28	peak		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/4
Test Frequency	5180MHz	Polarization	Vertical

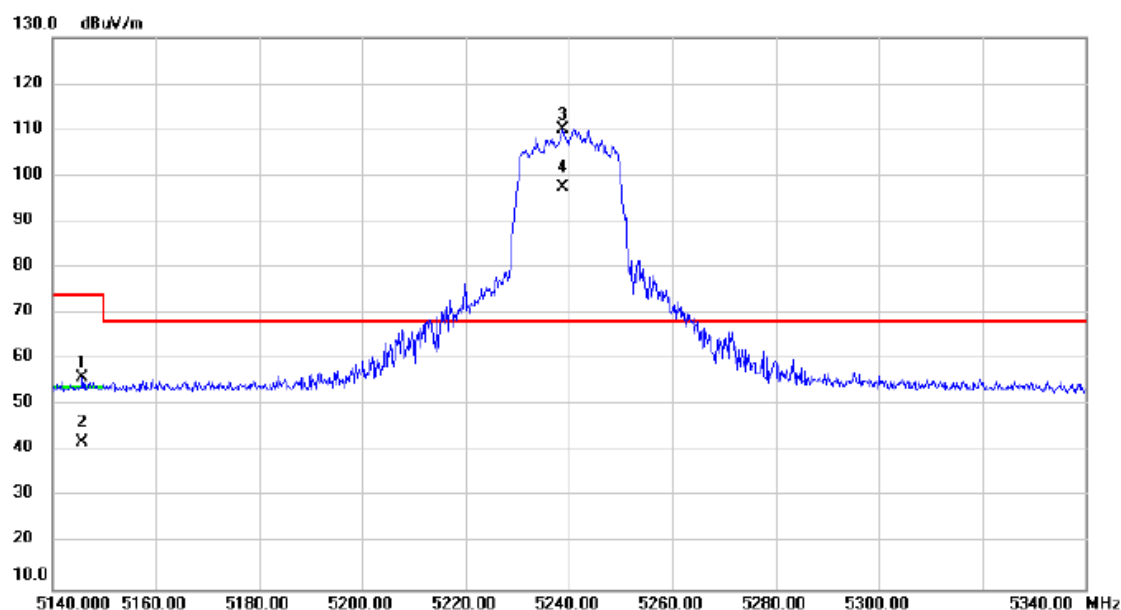


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5149.400	58.98	9.99	68.97	74.00	-5.03	peak		
2		5149.400	34.71	9.99	44.70	54.00	-9.30	AVG		
3	*	5180.600	96.70	9.99	106.69	68.20	38.49	peak		No Limit
4	X	5180.600	82.84	9.99	92.83	68.20	24.63	AVG		No Limit

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/4
Test Frequency	5240MHz	Polarization	Vertical



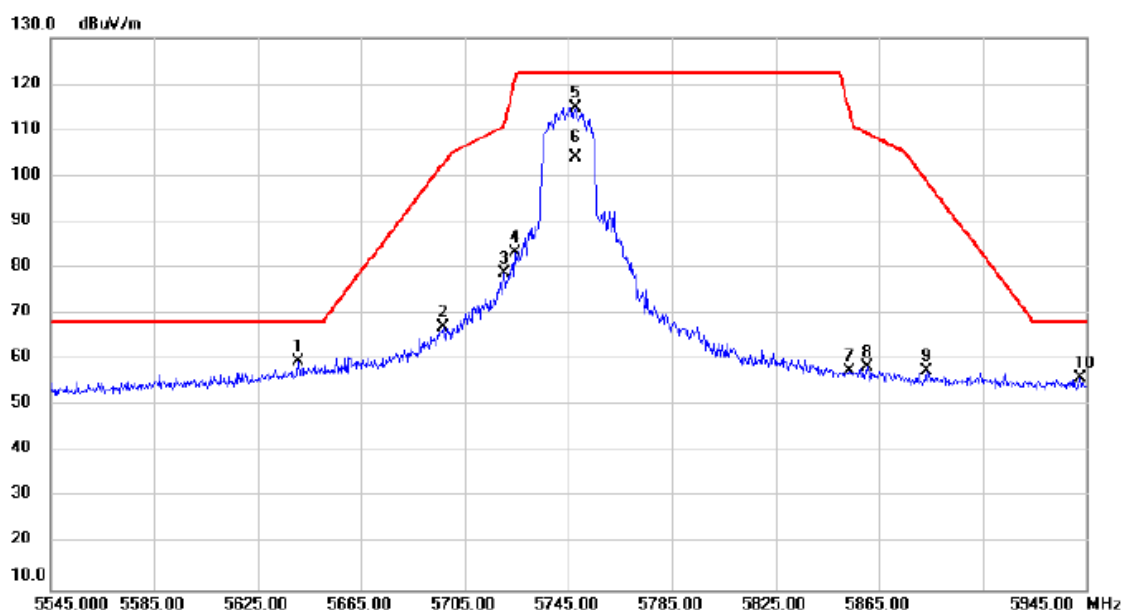
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5145.800	45.92	9.99	55.91	74.00	-18.09	peak		
2		5145.800	31.87	9.99	41.86	54.00	-12.14	AVG		
3	*	5238.800	99.94	10.00	109.94	68.20	41.74	peak		No Limit
4	X	5238.800	87.46	10.00	97.46	68.20	29.26	AVG		No Limit

REMARKS:

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

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/4
Test Frequency	5745MHz	Polarization	Vertical

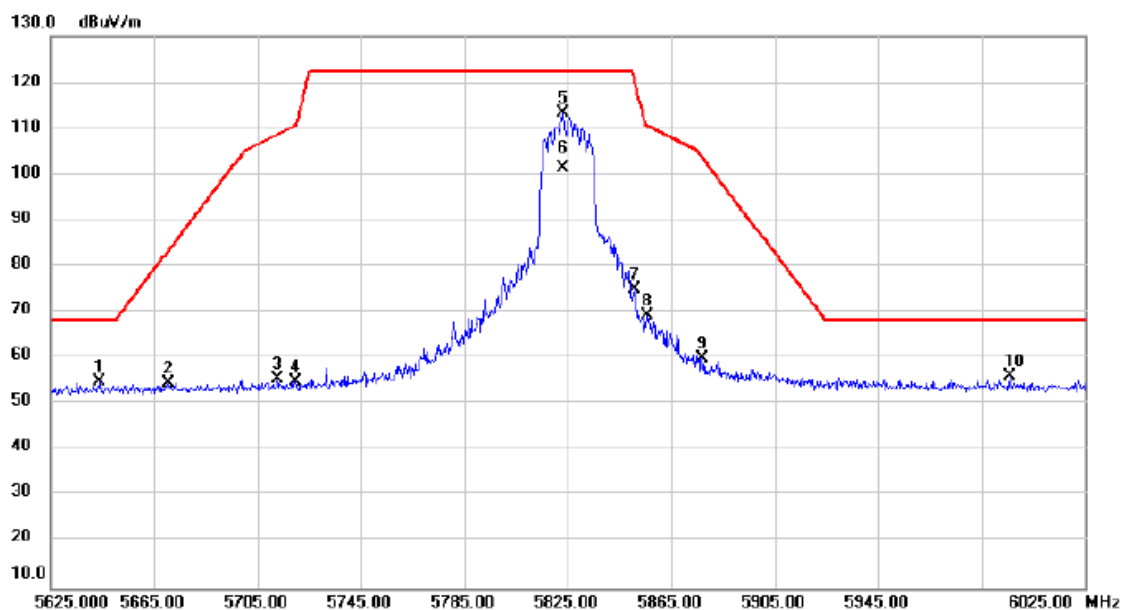


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5640.600	49.19	10.41	59.60	68.20	-8.60	peak		
2		5696.600	56.58	10.54	67.12	102.69	-35.57	peak		
3		5720.200	68.13	10.61	78.74	111.26	-32.52	peak		
4		5724.600	72.80	10.62	83.42	121.29	-37.87	peak		
5	*	5748.200	104.17	10.69	114.86	122.20	-7.34	peak		No Limit
6		5748.200	93.37	10.69	104.06	122.20	-18.14	AVG		No Limit
7		5853.400	46.72	10.96	57.68	114.45	-56.77	peak		
8		5860.600	47.37	10.98	58.35	109.23	-50.88	peak		
9		5883.400	46.45	11.04	57.49	98.96	-41.47	peak		
10		5942.600	44.72	11.19	55.91	68.20	-12.29	peak		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/4
Test Frequency	5825MHz	Polarization	Vertical

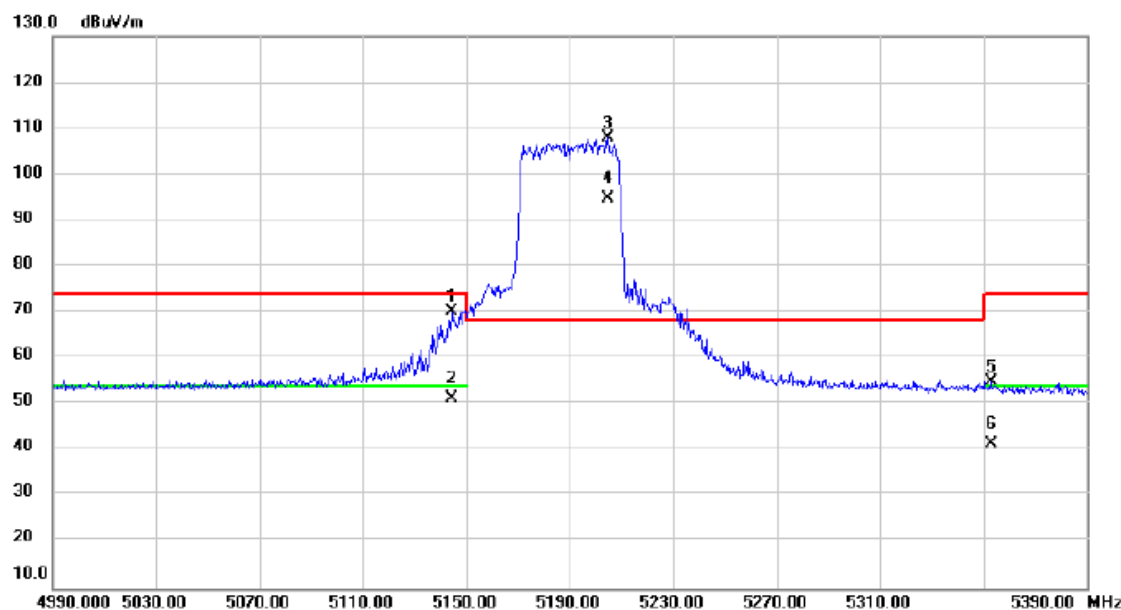


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		5644.200	44.39	10.42	54.81	68.20	-13.39	peak		
2		5670.600	44.09	10.49	54.58	83.48	-28.90	peak		
3		5712.600	44.95	10.59	55.54	108.73	-53.19	peak		
4		5719.800	44.32	10.61	54.93	110.74	-55.81	peak		
5	*	5823.000	102.60	10.88	113.48	122.20	-8.72	peak		No Limit
6		5823.000	90.51	10.88	101.39	122.20	-20.81	AVG		No Limit
7		5851.000	64.02	10.95	74.97	119.92	-44.95	peak		
8		5855.800	58.32	10.96	69.28	110.58	-41.30	peak		
9		5877.000	48.79	11.02	59.81	103.71	-43.90	peak		
10		5995.800	44.75	11.33	56.08	68.20	-12.12	peak		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/4
Test Frequency	5190MHz	Polarization	Vertical

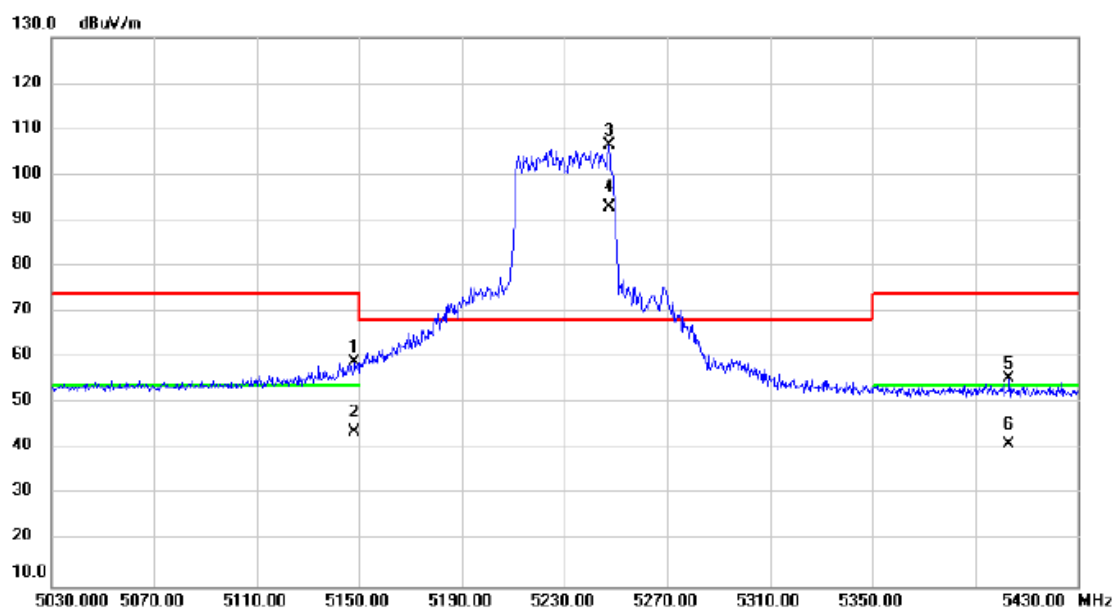


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		5144.400	60.23	9.99	70.22	74.00	-3.78	peak			
2		5144.400	41.27	9.99	51.26	54.00	-2.74	AVG			
3	*	5204.800	98.07	10.00	108.07	68.20	39.87	peak			No Limit
4	X	5204.800	84.71	10.00	94.71	68.20	26.51	AVG			No Limit
5		5352.800	44.92	10.02	54.94	74.00	-19.06	peak			
6		5352.800	31.35	10.02	41.37	54.00	-12.63	AVG			

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/4
Test Frequency	5230MHz	Polarization	Vertical

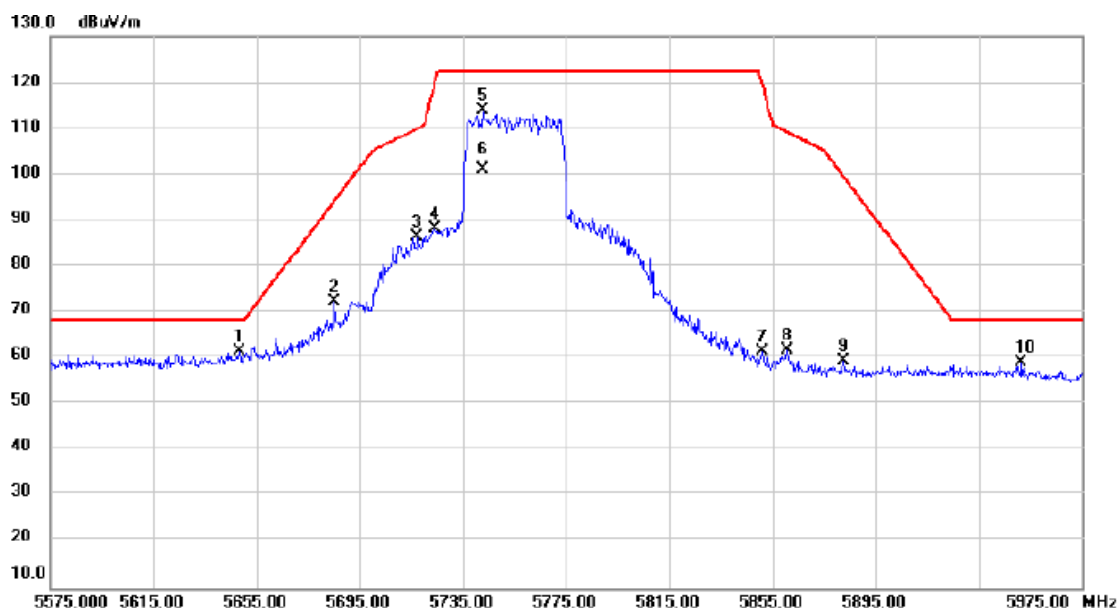


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		5148.400	48.97	9.99	58.96	74.00	-15.04	peak			
2		5148.400	33.69	9.99	43.68	54.00	-10.32	AVG			
3	*	5247.200	96.31	10.01	106.32	68.20	38.12	peak			No Limit
4	X	5247.200	83.05	10.01	93.06	68.20	24.86	AVG			No Limit
5		5403.200	45.29	10.03	55.32	74.00	-18.68	peak			
6		5403.200	31.12	10.03	41.15	54.00	-12.85	AVG			

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/4
Test Frequency	5755MHz	Polarization	Vertical



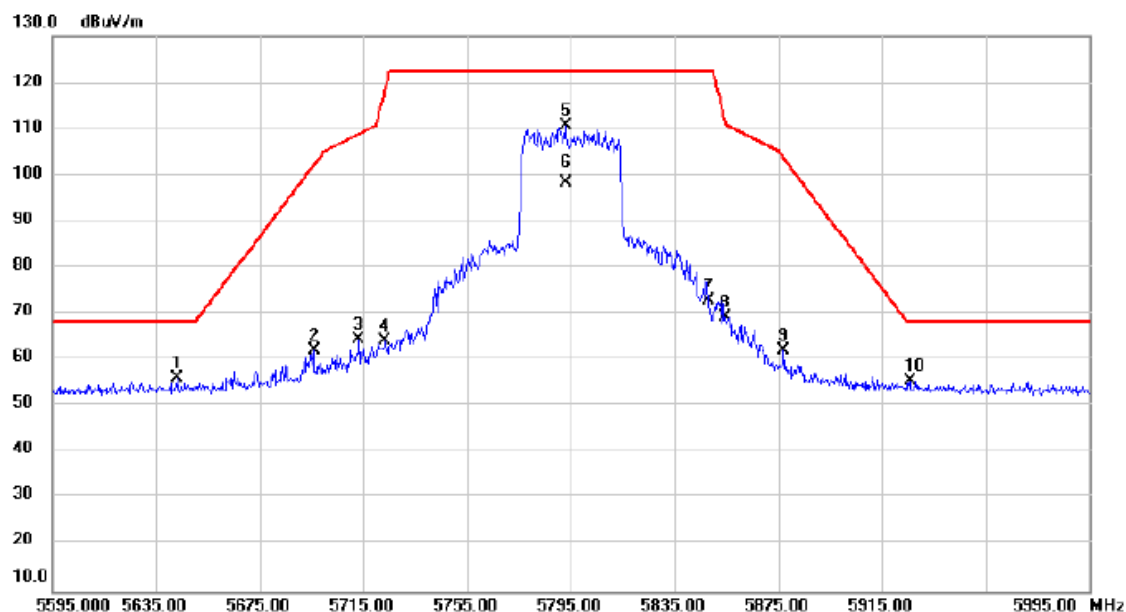
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	*	5648.200	51.08	10.43	61.51	68.20	-6.69	peak			
2		5685.400	61.73	10.53	72.26	94.43	-22.17	peak			
3		5717.400	75.69	10.60	86.29	110.07	-23.78	peak			
4		5724.200	77.43	10.62	88.05	120.38	-32.33	peak			
5		5742.600	103.22	10.67	113.89	122.20	-8.31	peak			No Limit
6		5742.600	90.50	10.67	101.17	122.20	-21.03	AVG			No Limit
7		5851.000	50.60	10.95	61.55	119.92	-58.37	peak			
8		5860.600	50.75	10.98	61.73	109.23	-47.50	peak			
9		5882.600	48.24	11.04	59.28	99.56	-40.28	peak			
10		5951.400	47.76	11.21	58.97	68.20	-9.23	peak			

REMARKS:

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

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/4
Test Frequency	5795MHz	Polarization	Vertical

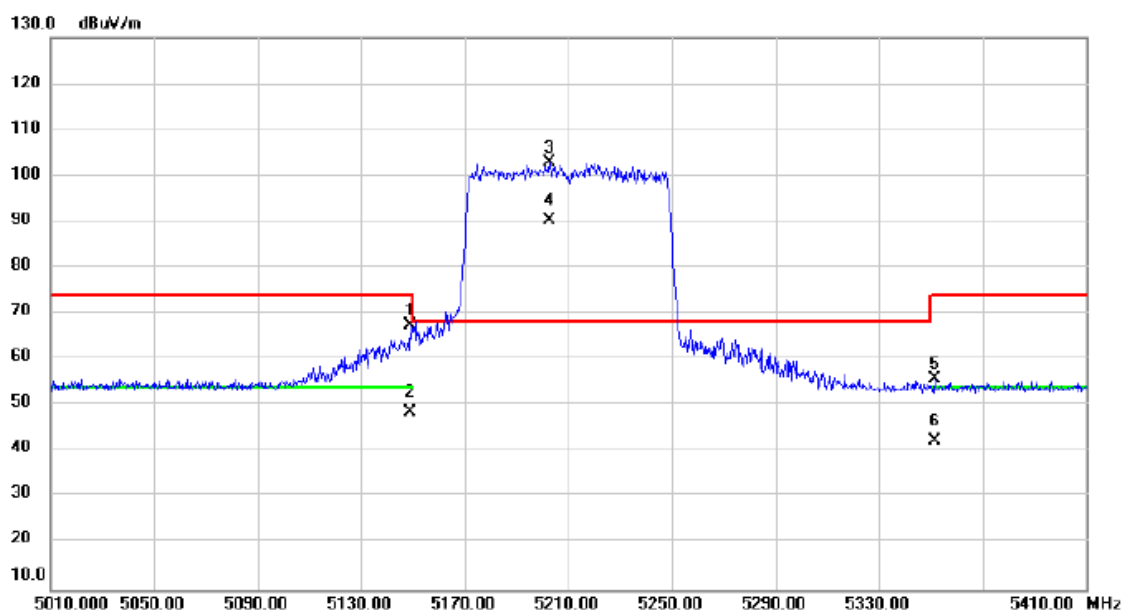


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		5643.400	45.73	10.42	56.15	68.20	-12.05	peak			
2		5695.800	51.52	10.54	62.06	102.10	-40.04	peak			
3		5713.400	53.75	10.60	64.35	108.95	-44.60	peak			
4		5723.400	53.39	10.62	64.01	118.55	-54.54	peak			
5	*	5793.000	99.94	10.81	110.75	122.20	-11.45	peak			No Limit
6		5793.000	87.50	10.81	98.31	122.20	-23.89	AVG			No Limit
7		5848.200	61.96	10.95	72.91	122.20	-49.29	peak			
8		5854.600	58.40	10.96	69.36	111.71	-42.35	peak			
9		5877.000	51.09	11.02	62.11	103.71	-41.60	peak			
10		5925.800	44.27	11.15	55.42	68.20	-12.78	peak			

REMARKS:

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

Test Mode	IEEE 802.11ax(HE80)	Test Date	2024/1/4
Test Frequency	5210MHz	Polarization	Vertical

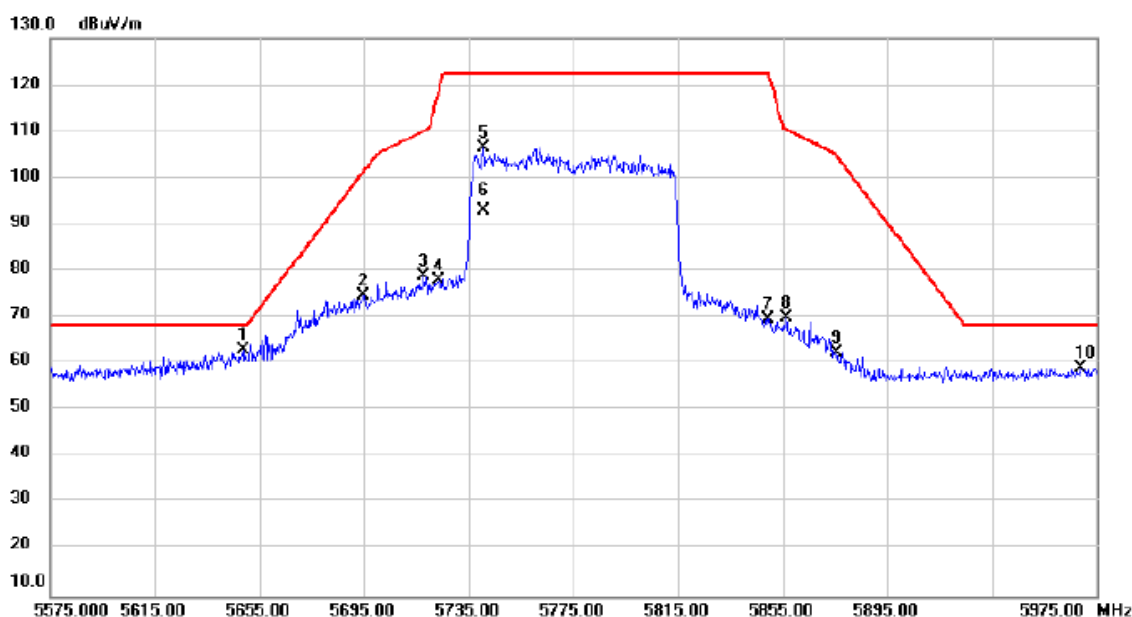


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		5148.800	57.32	9.99	67.31	74.00	-6.69	peak			
2		5148.800	38.47	9.99	48.46	54.00	-5.54	AVG			
3	*	5202.800	92.92	10.00	102.92	68.20	34.72	peak			No Limit
4	X	5202.800	80.17	10.00	90.17	68.20	21.97	AVG			No Limit
5		5351.600	45.63	10.02	55.65	74.00	-18.35	peak			
6		5351.600	32.18	10.02	42.20	54.00	-11.80	AVG			

REMARKS:

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

Test Mode	IEEE 802.11ax(HE80)	Test Date	2024/1/4
Test Frequency	5775MHz	Polarization	Vertical

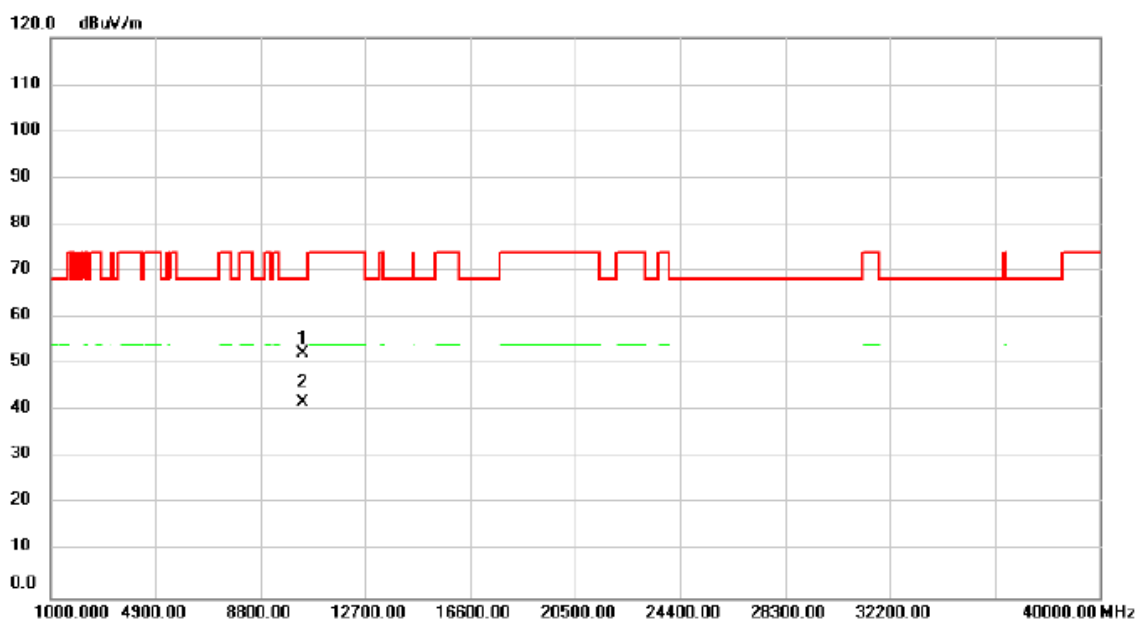


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Detector	Comment
1	*	5648.600	52.40	10.43	62.83	68.20	-5.37			peak	
2		5694.600	64.17	10.54	74.71	101.22	-26.51			peak	
3		5717.800	68.20	10.61	78.81	110.18	-31.37			peak	
4		5723.400	67.36	10.62	77.98	118.55	-40.57			peak	
5		5740.600	95.87	10.66	106.53	122.20	-15.67			peak	No Limit
6		5740.600	82.32	10.66	92.98	122.20	-29.22			AVG	No Limit
7		5849.400	58.65	10.95	69.60	122.20	-52.60			peak	
8		5856.200	59.02	10.96	69.98	110.46	-40.48			peak	
9		5875.400	51.47	11.02	62.49	104.90	-42.41			peak	
10		5968.600	47.91	11.26	59.17	68.20	-9.03			peak	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5180MHz	Polarization	Vertical

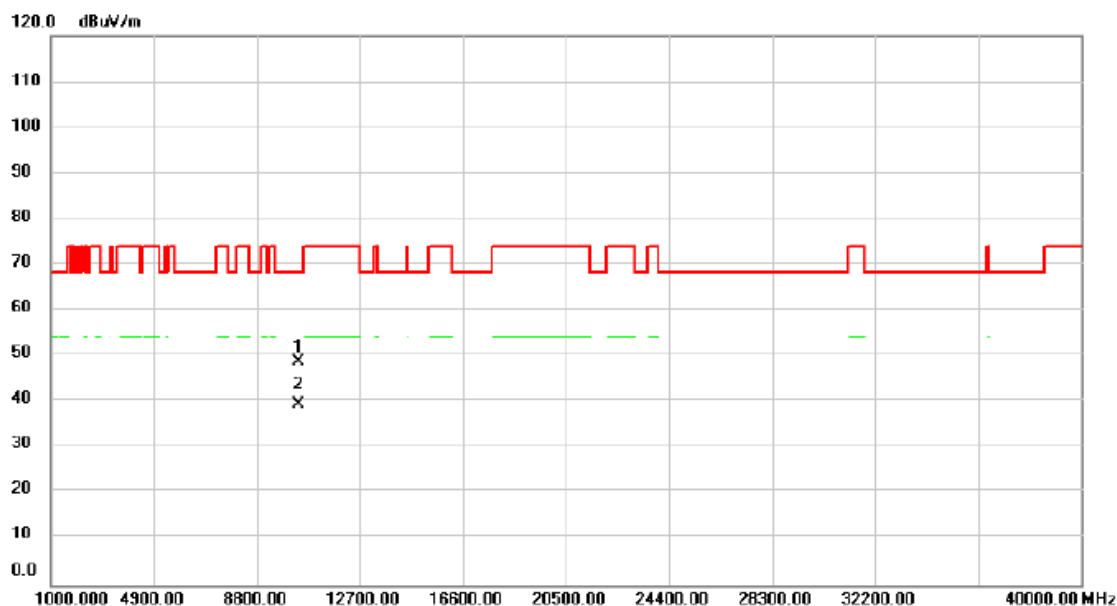


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10360.00	48.00	4.44	52.44	68.20	-15.76	peak		
2		10360.00	37.42	4.44	41.86	68.20	-26.34	AVG		

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5180MHz	Polarization	Horizontal

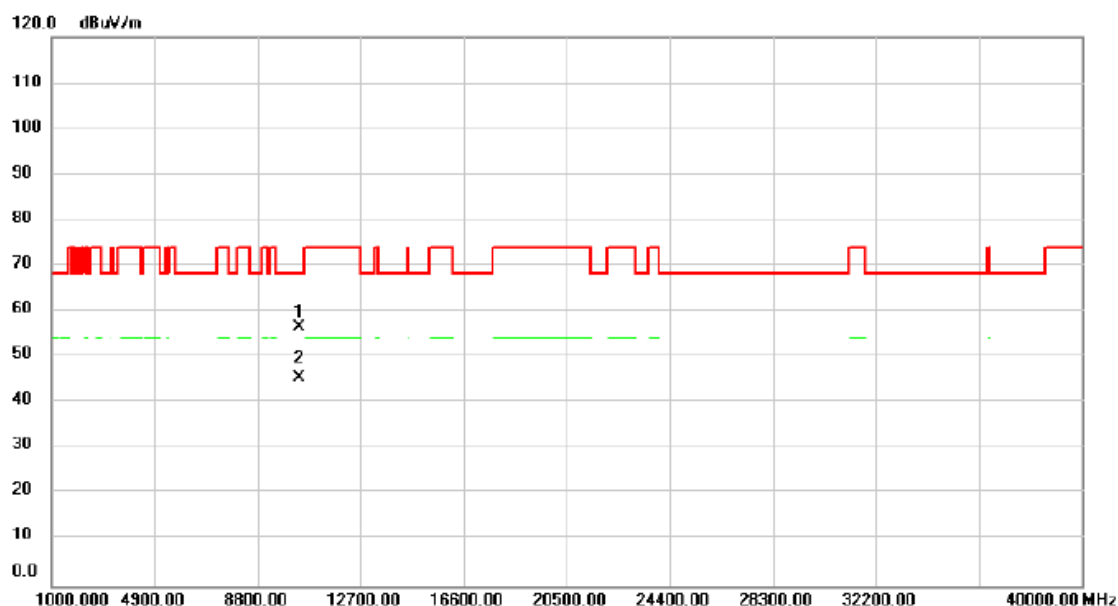


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	*	10360.00	44.26	4.44	48.70	68.20	-19.50	peak		
2		10360.00	35.07	4.44	39.51	68.20	-28.69	AVG		

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5200MHz	Polarization	Vertical

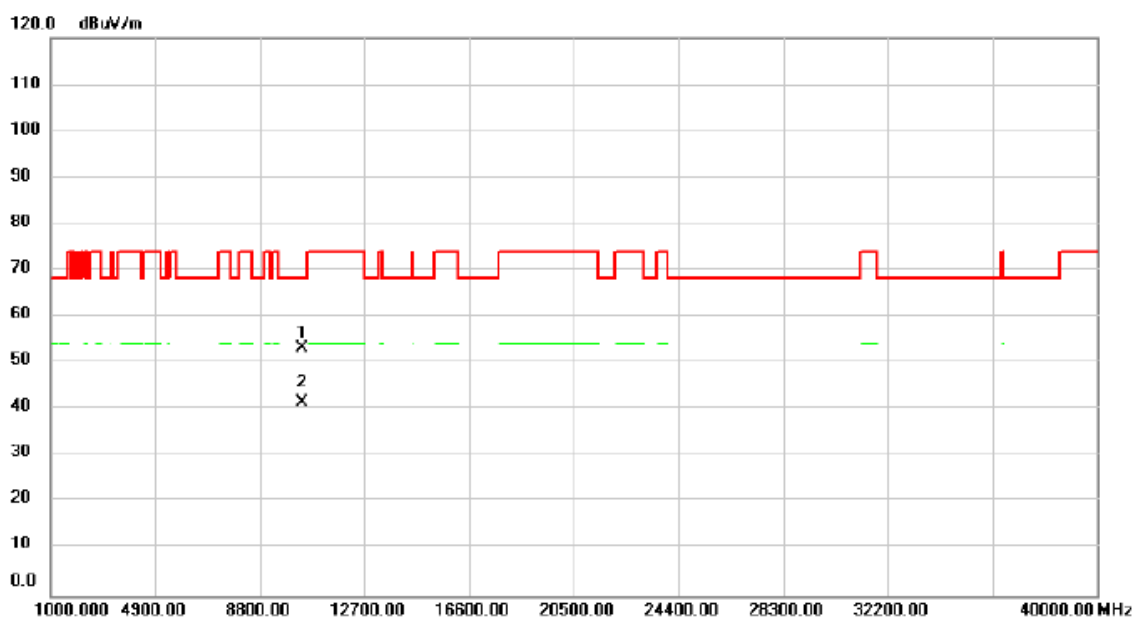


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10399.00	52.16	4.44	56.60	68.20	-11.60			peak
2		10399.00	41.16	4.44	45.60	68.20	-22.60			AVG

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5200MHz	Polarization	Horizontal

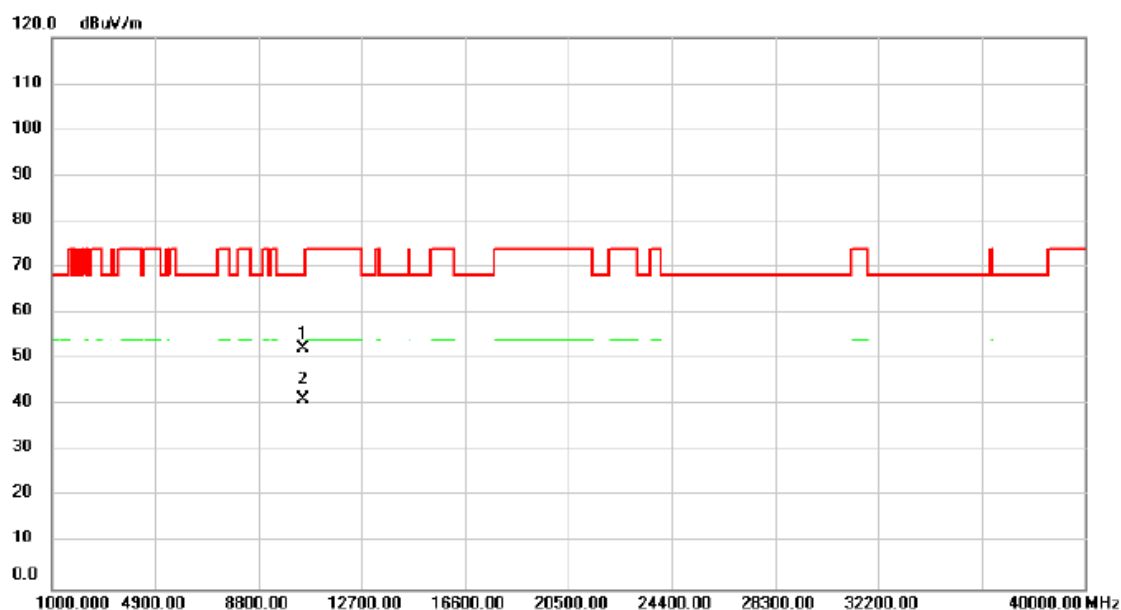


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10399.00	48.70	4.44	53.14	68.20	-15.06	peak		
2		10399.00	36.97	4.44	41.41	68.20	-26.79	AVG		

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5240MHz	Polarization	Vertical

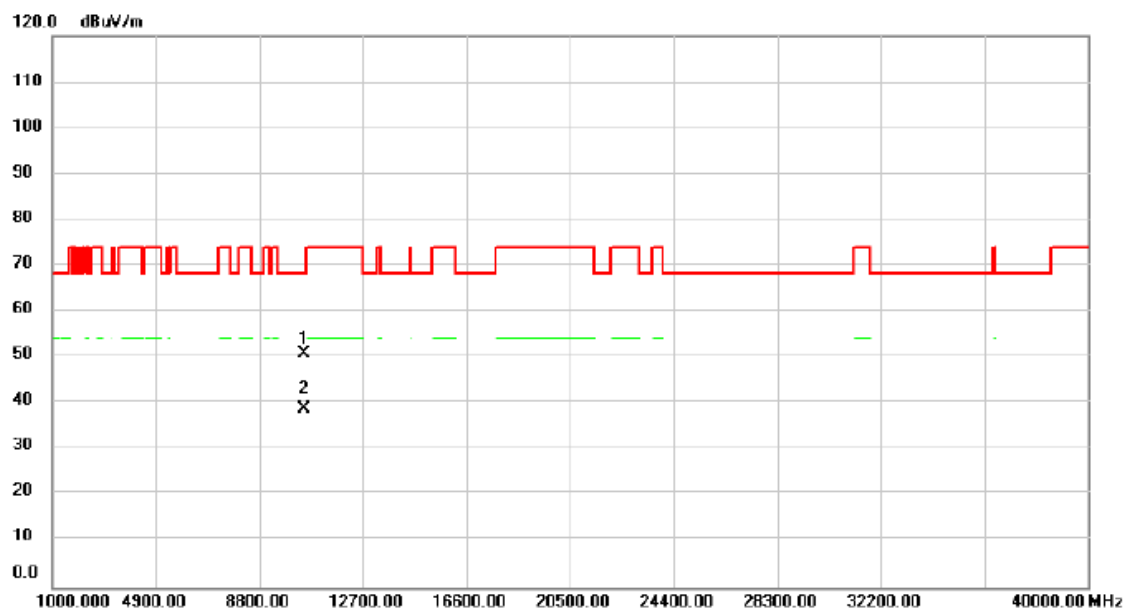


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10477.00	48.05	4.42	52.47	68.20	-15.73	peak		
2		10477.00	36.90	4.42	41.32	68.20	-26.88	AVG		

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5240MHz	Polarization	Horizontal

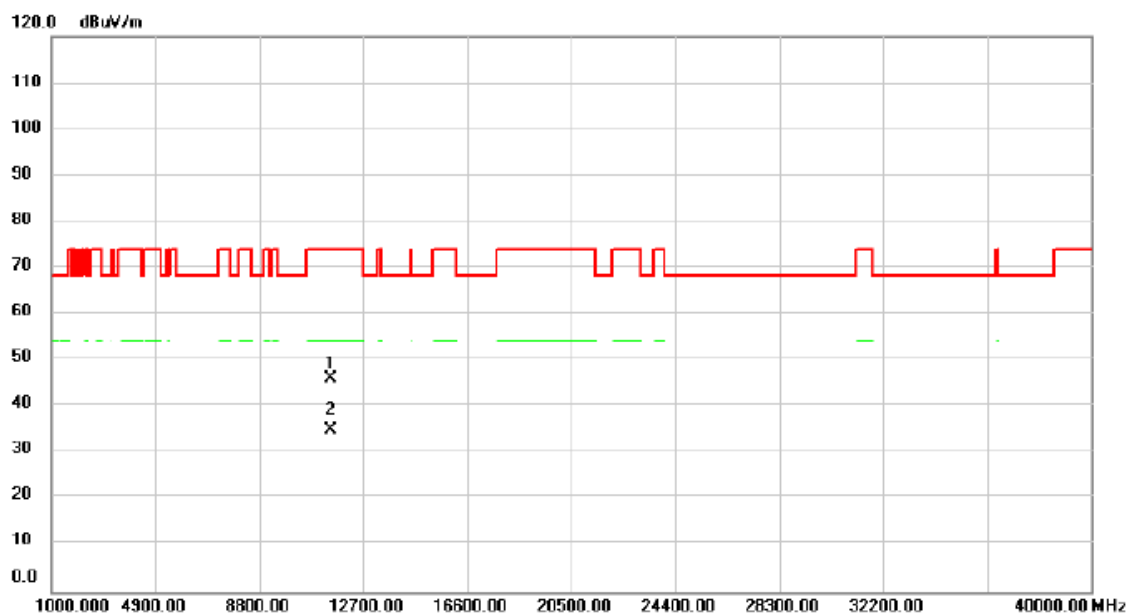


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10477.00	46.54	4.42	50.96	68.20	-17.24	peak		
2		10477.00	34.48	4.42	38.90	68.20	-29.30	AVG		

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5745MHz	Polarization	Vertical

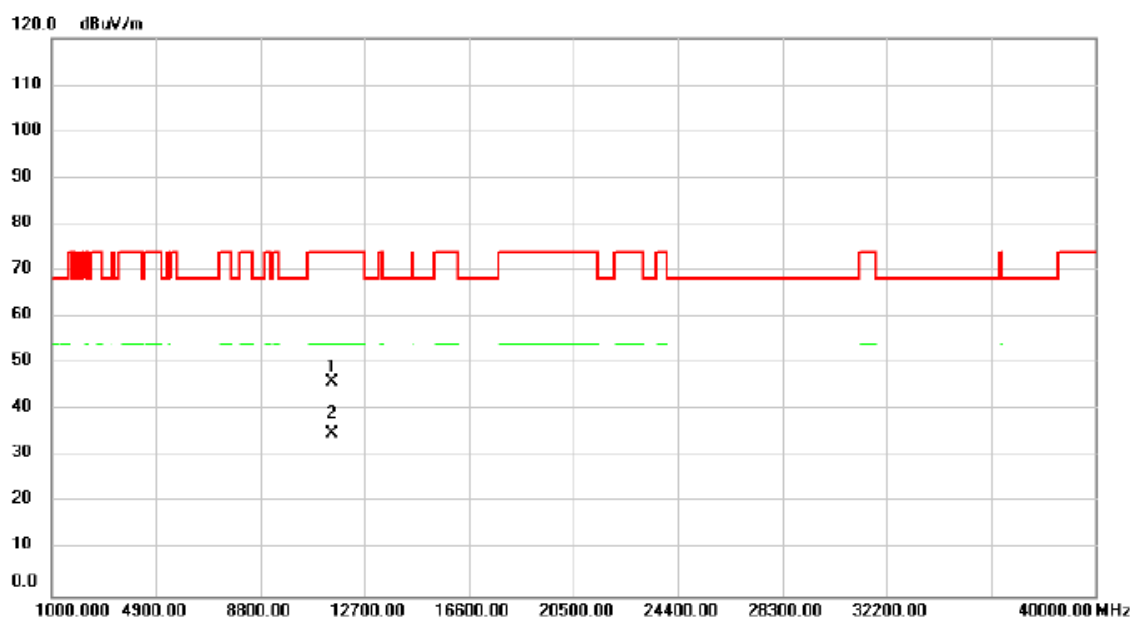


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		11490.00	40.95	5.02	45.97	74.00	-28.03	peak		
2	*	11490.00	30.01	5.02	35.03	54.00	-18.97	AVG		

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5745MHz	Polarization	Horizontal

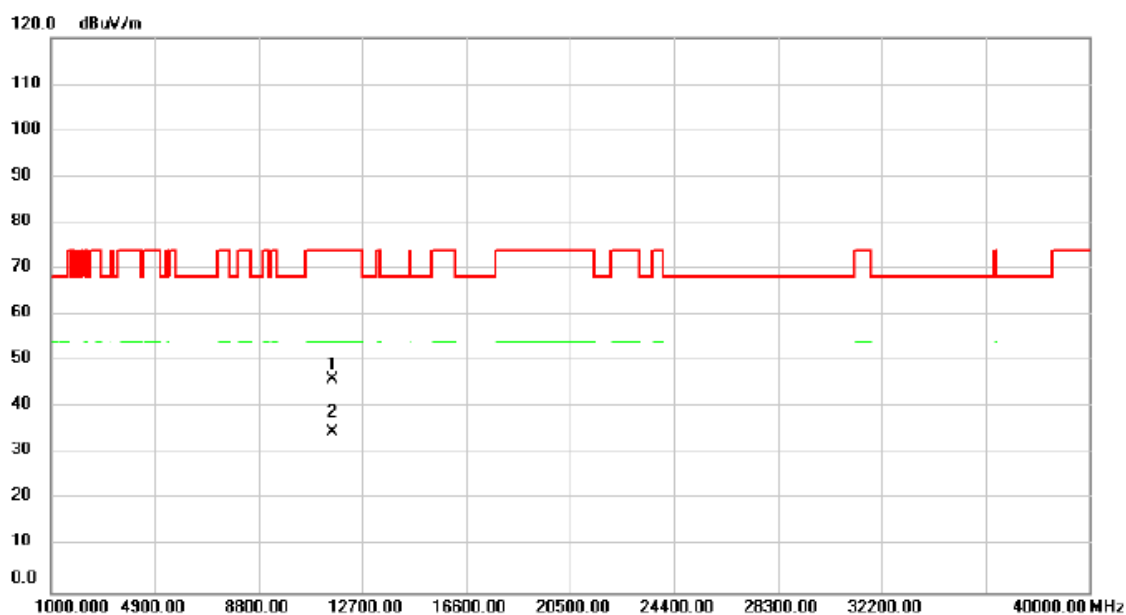


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		11490.00	40.95	5.02	45.97	74.00	-28.03	peak		
2	*	11490.00	30.03	5.02	35.05	54.00	-18.95	AVG		

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5785MHz	Polarization	Vertical

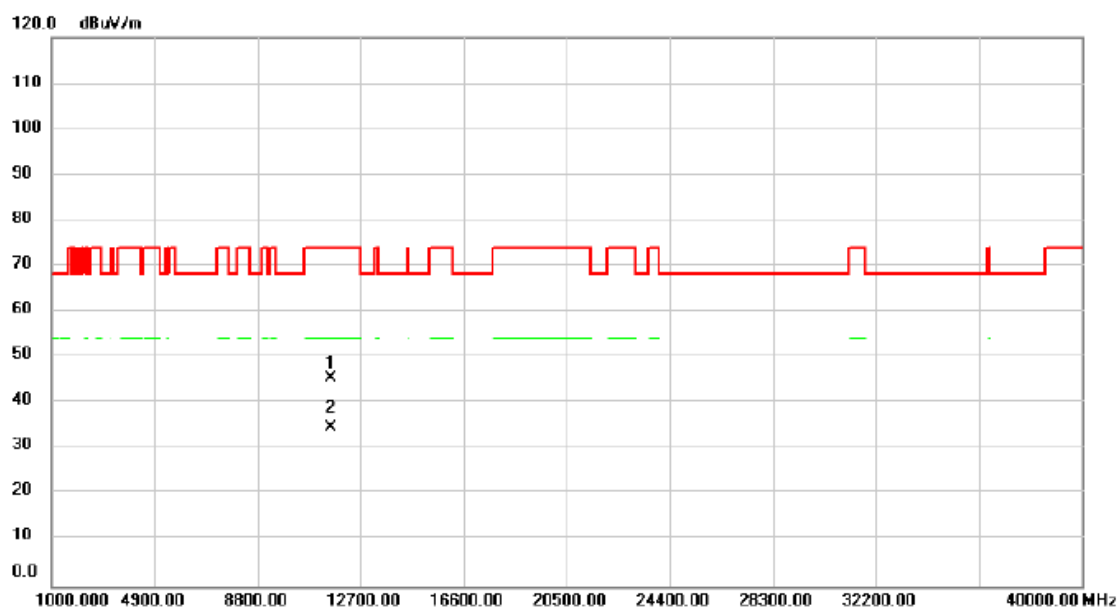


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		11570.00	41.07	5.06	46.13	74.00	-27.87	peak			
2	*	11570.00	29.56	5.06	34.62	54.00	-19.38	AVG			

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5785MHz	Polarization	Horizontal

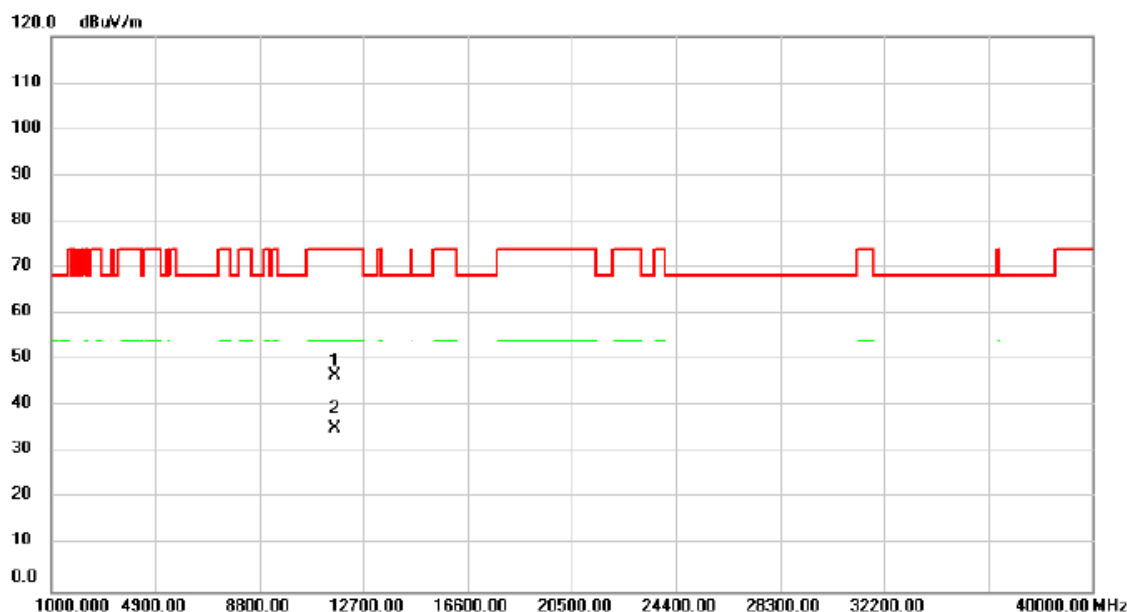


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11570.00	40.33	5.06	45.39	74.00	-28.61			peak
2	*	11570.00	29.50	5.06	34.56	54.00	-19.44			AVG

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5825MHz	Polarization	Vertical

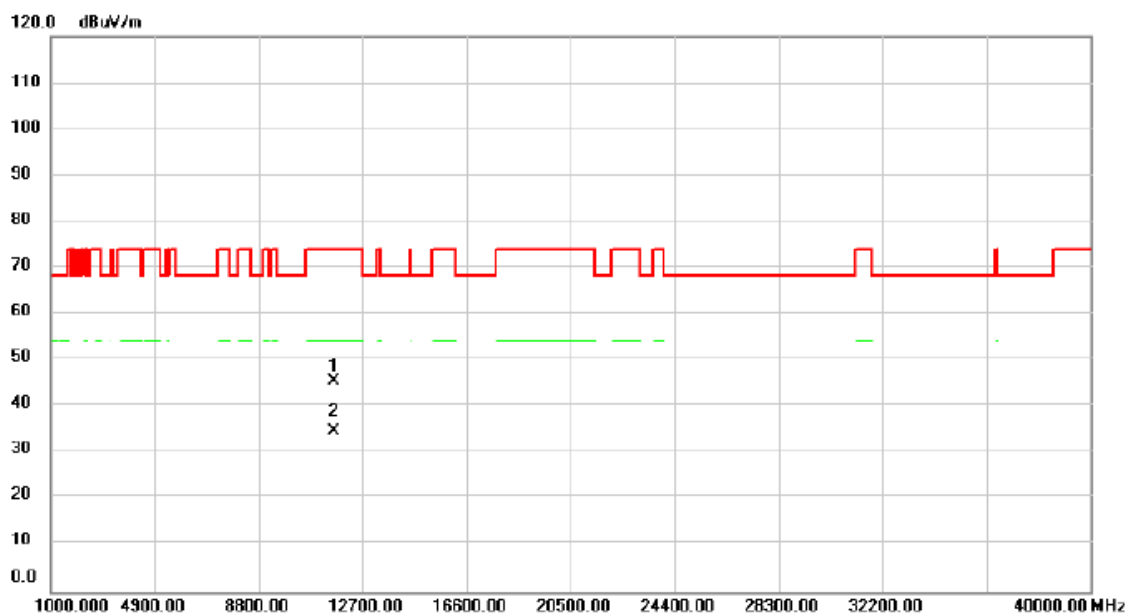


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11650.00	41.61	5.10	46.71	74.00	-27.29	peak		
2	*	11650.00	30.17	5.10	35.27	54.00	-18.73	AVG		

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/1/4
Test Frequency	5825MHz	Polarization	Horizontal

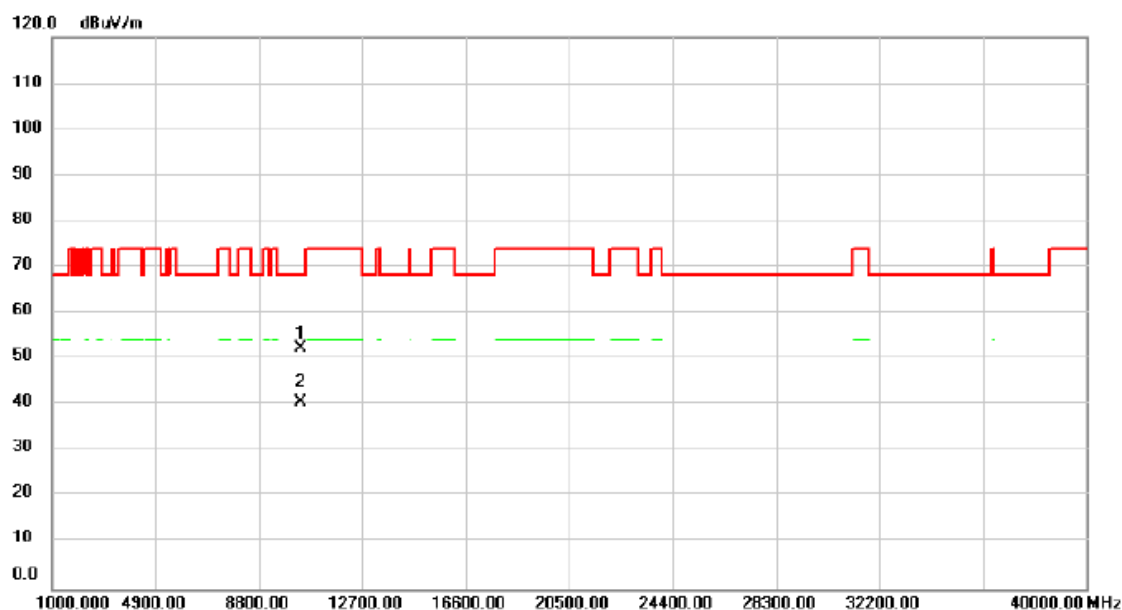


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11650.00	40.33	5.10	45.43	74.00	-28.57	peak		
2	*	11650.00	29.47	5.10	34.57	54.00	-19.43	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5180MHz	Polarization	Vertical

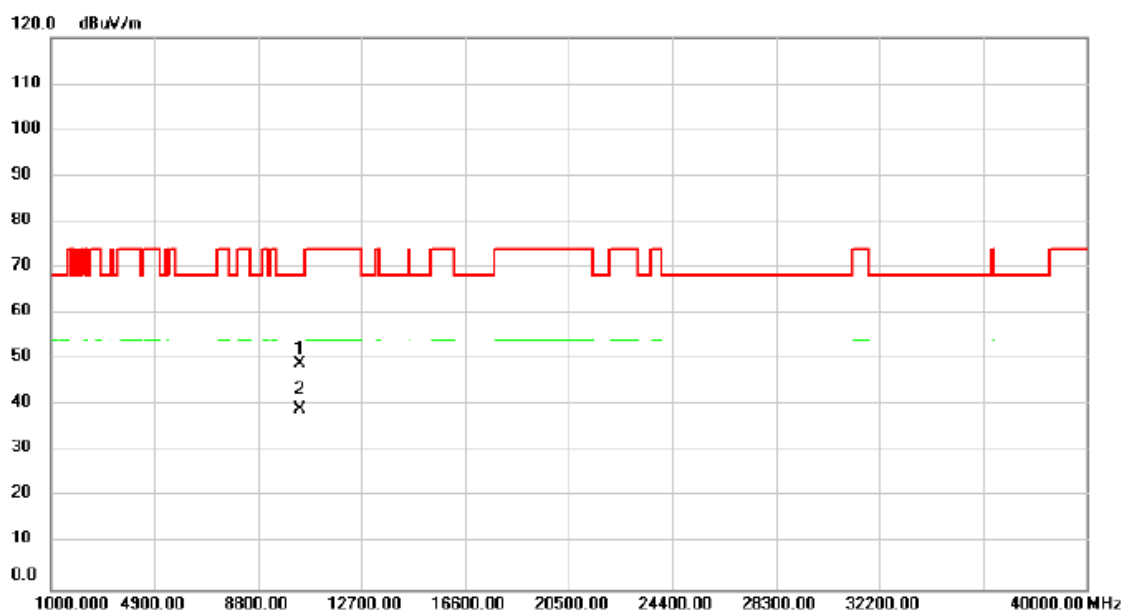


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10360.00	47.83	4.44	52.27	68.20	-15.93	peak		
2		10360.00	36.28	4.44	40.72	68.20	-27.48	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5180MHz	Polarization	Horizontal

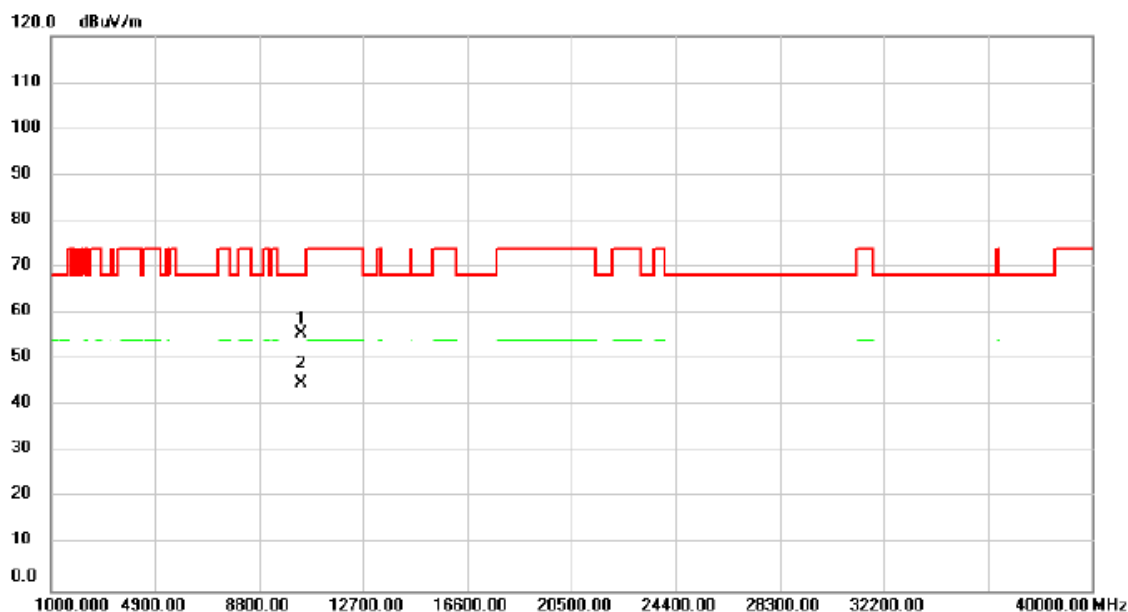


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10360.00	44.48	4.44	48.92	68.20	-19.28			peak
2		10360.00	34.80	4.44	39.24	68.20	-28.96			AVG

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5200MHz	Polarization	Vertical

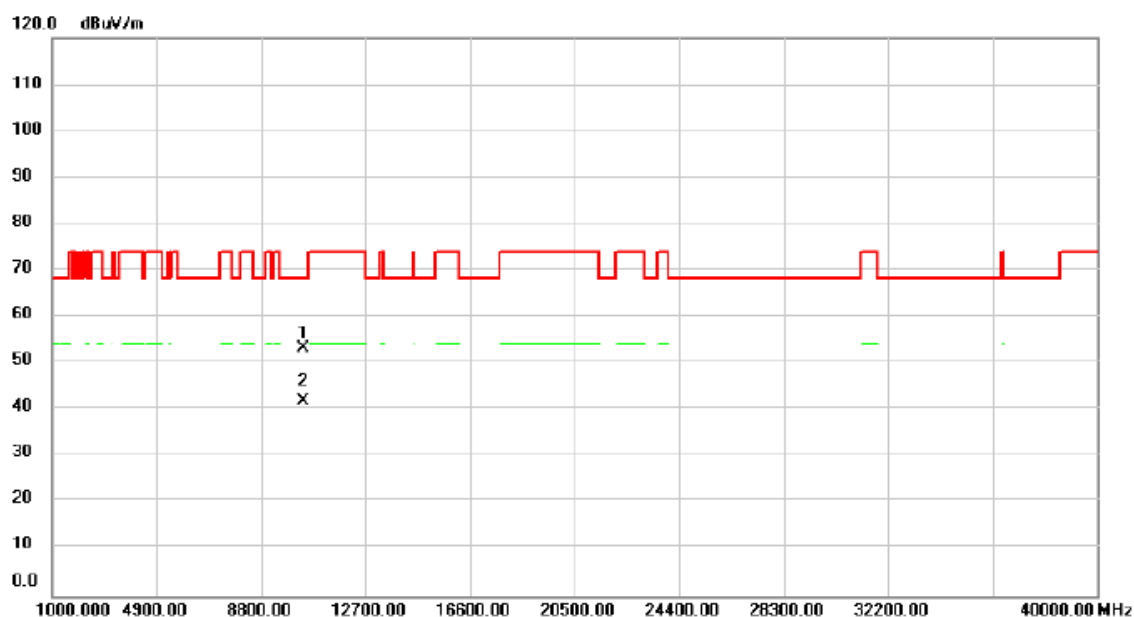


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10399.00	51.33	4.44	55.77	68.20	-12.43	peak		
2		10399.00	40.41	4.44	44.85	68.20	-23.35	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5200MHz	Polarization	Horizontal

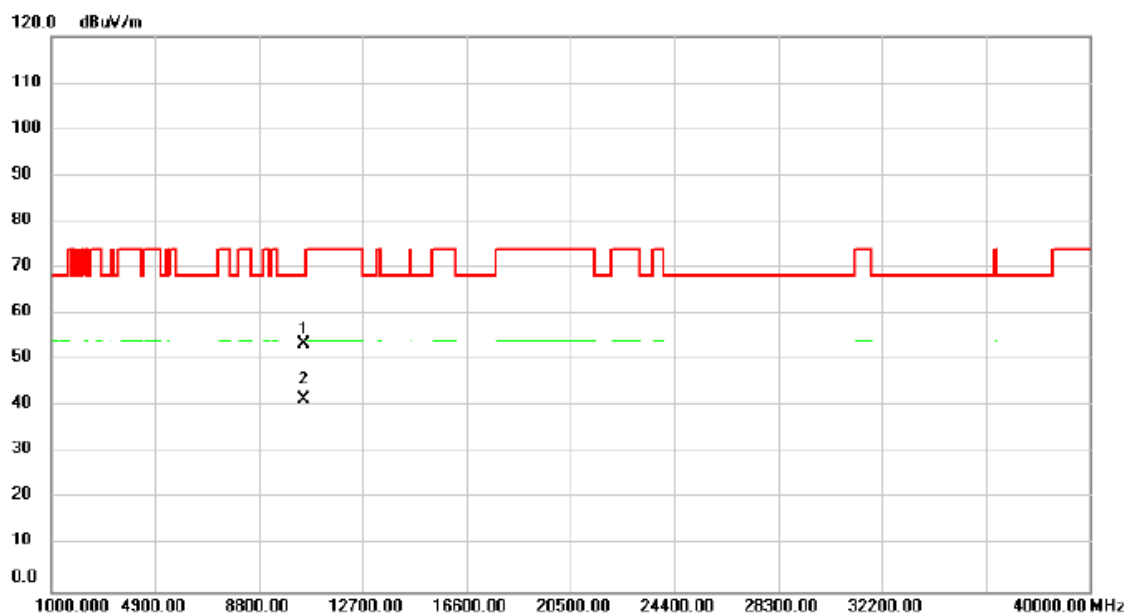


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10399.00	48.70	4.44	53.14	68.20	-15.06	peak		
2		10399.00	37.40	4.44	41.84	68.20	-26.36	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5240MHz	Polarization	Vertical

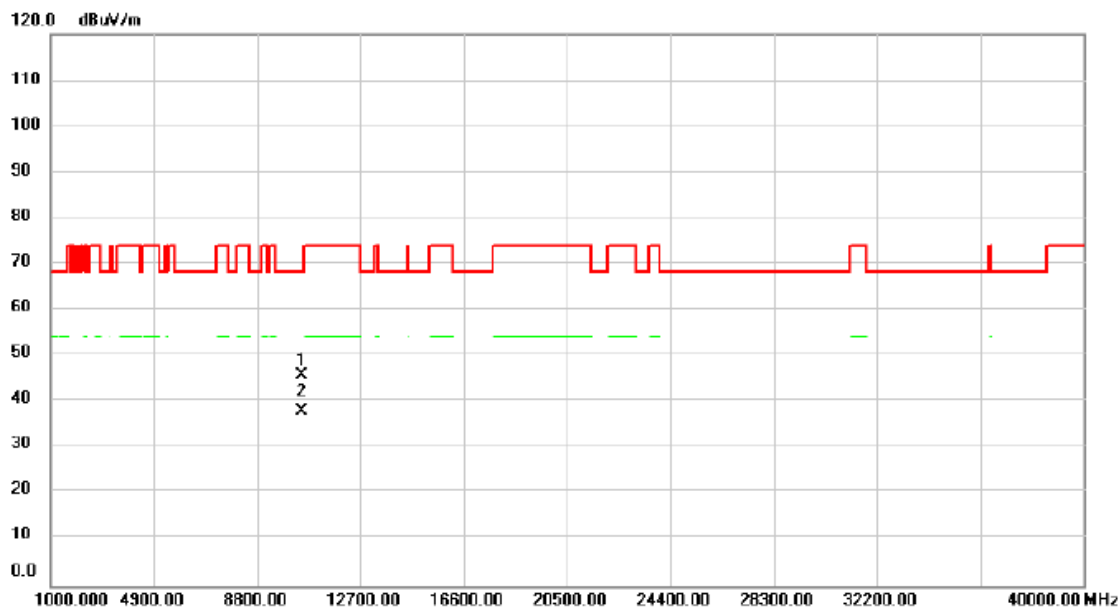


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10477.00	49.05	4.42	53.47	68.20	-14.73	peak		
2		10477.00	37.20	4.42	41.62	68.20	-26.58	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5240MHz	Polarization	Horizontal

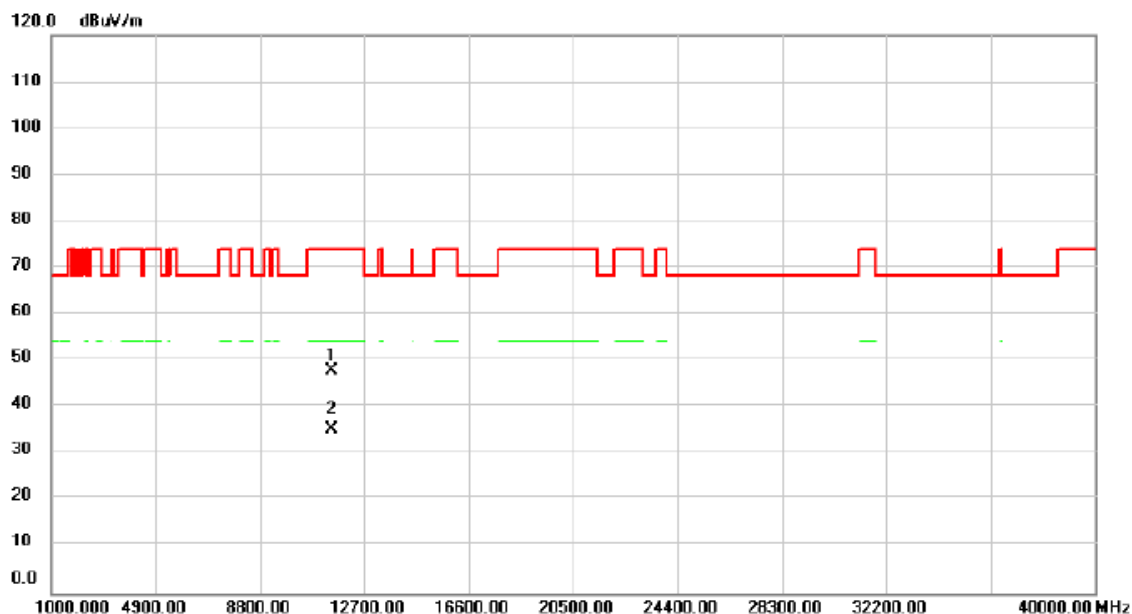


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10480.00	41.35	4.42	45.77	68.20	-22.43	peak		
2		10480.00	33.55	4.42	37.97	68.20	-30.23	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5745MHz	Polarization	Vertical

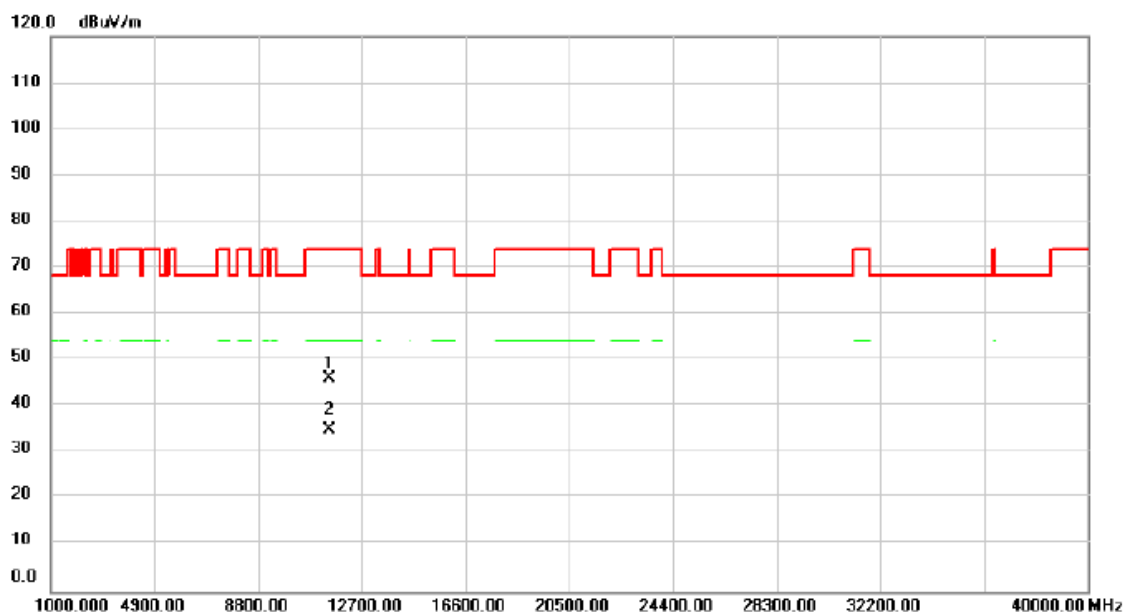


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11491.00	42.80	5.03	47.83	74.00	-26.17	peak		
2	*	11491.00	30.35	5.03	35.38	54.00	-18.62	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5745MHz	Polarization	Horizontal

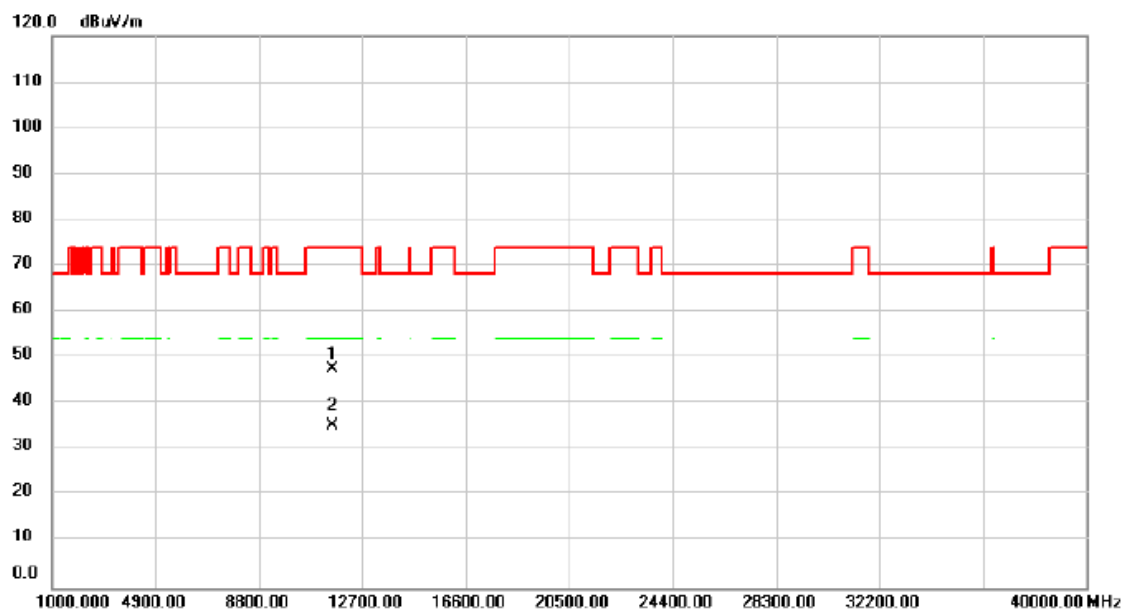


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11490.00	40.95	5.02	45.97	74.00	-28.03	peak		
2	*	11490.00	29.99	5.02	35.01	54.00	-18.99	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5785MHz	Polarization	Vertical

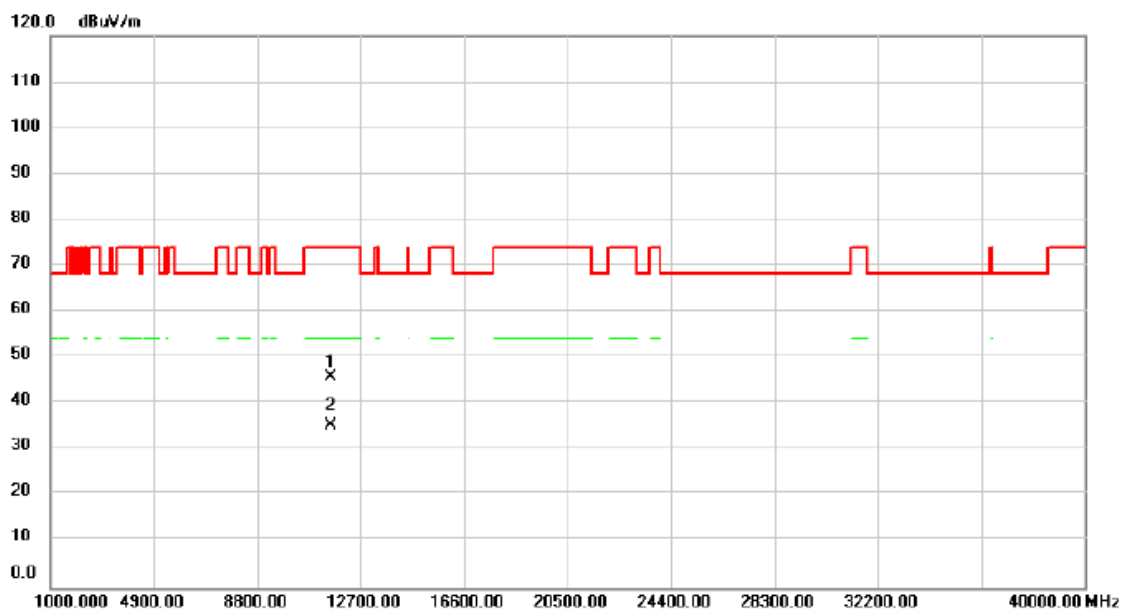


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11569.00	42.62	5.06	47.68	74.00	-26.32	peak		
2	*	11569.00	30.10	5.06	35.16	54.00	-18.84	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5785MHz	Polarization	Horizontal

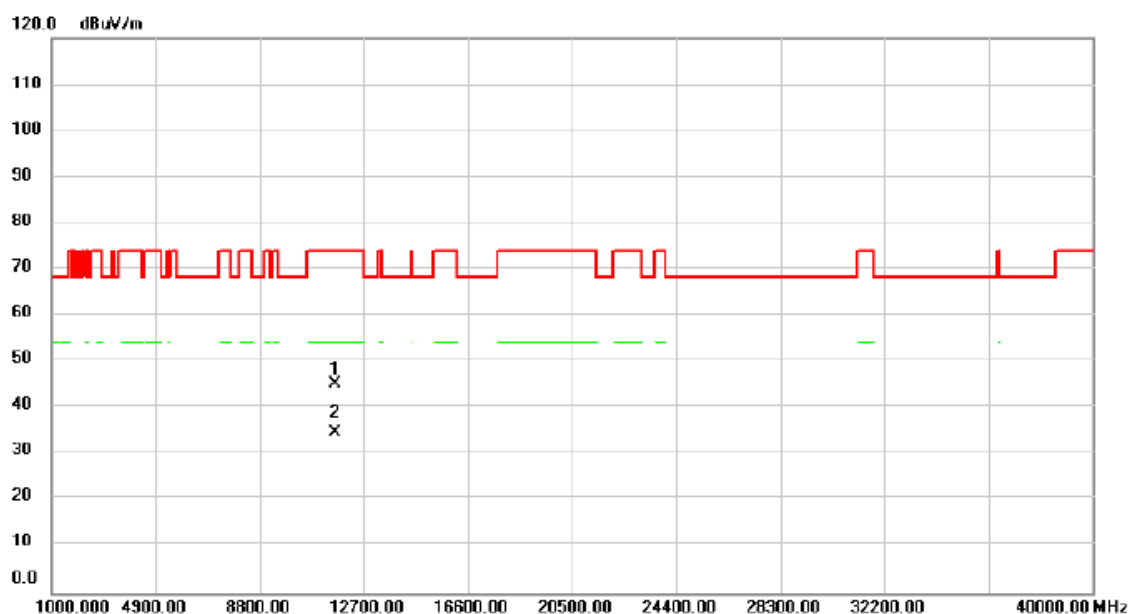


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		11570.00	40.76	5.06	45.82	74.00	-28.18	peak			
2	*	11570.00	30.10	5.06	35.16	54.00	-18.84	AVG			

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5825MHz	Polarization	Vertical

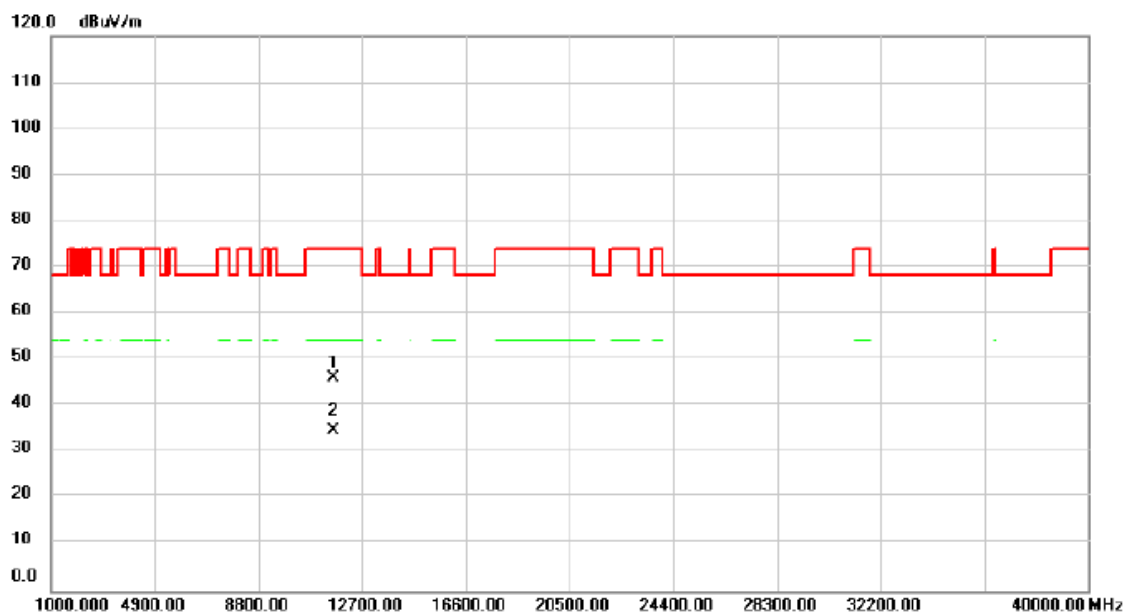


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree degree	Comment
1		11650.00	40.07	5.10	45.17	74.00	-28.83	peak		
2	*	11650.00	29.49	5.10	34.59	54.00	-19.41	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT20)	Test Date	2024/1/4
Test Frequency	5825MHz	Polarization	Horizontal

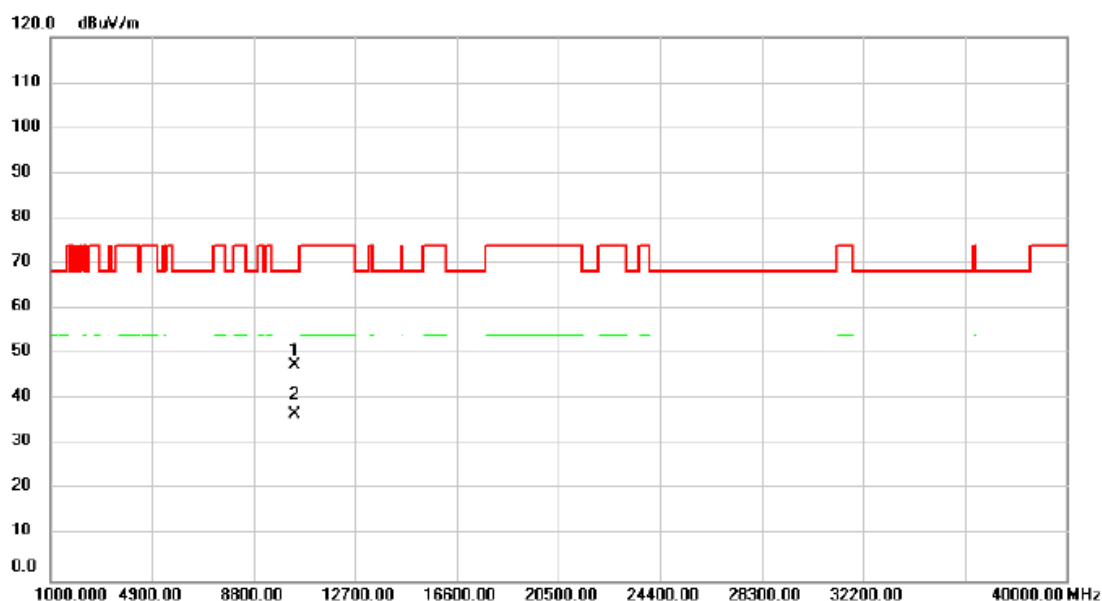


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11650.00	41.00	5.10	46.10	74.00	-27.90	peak		
2	*	11650.00	29.47	5.10	34.57	54.00	-19.43	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5190MHz	Polarization	Vertical

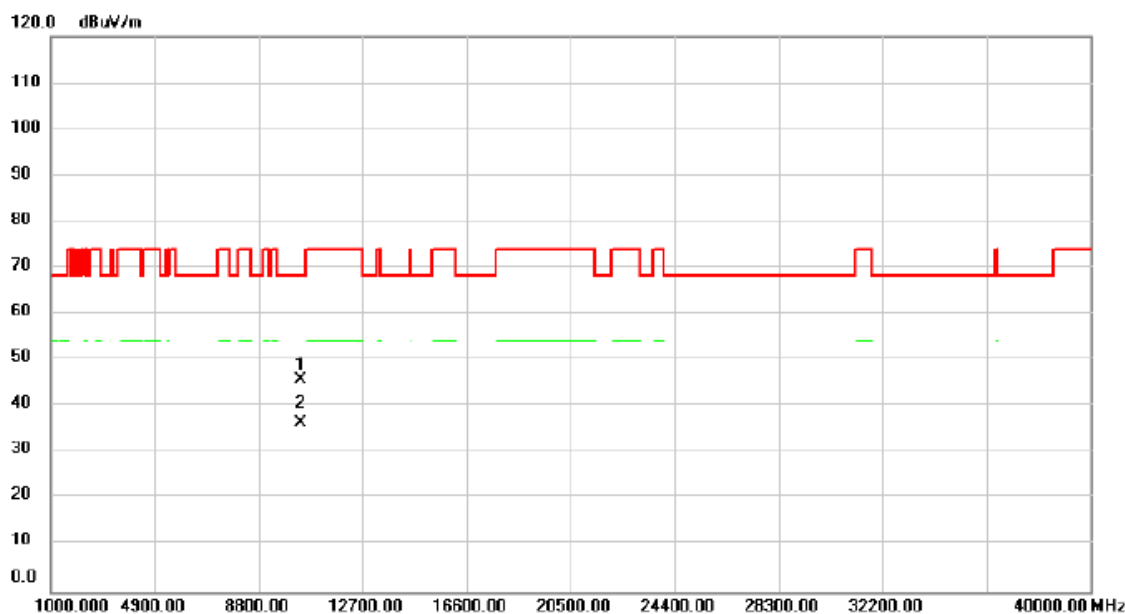


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10380.00	43.02	4.44	47.46	68.20	-20.74	peak		
2		10380.00	32.41	4.44	36.85	68.20	-31.35	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5190MHz	Polarization	Horizontal

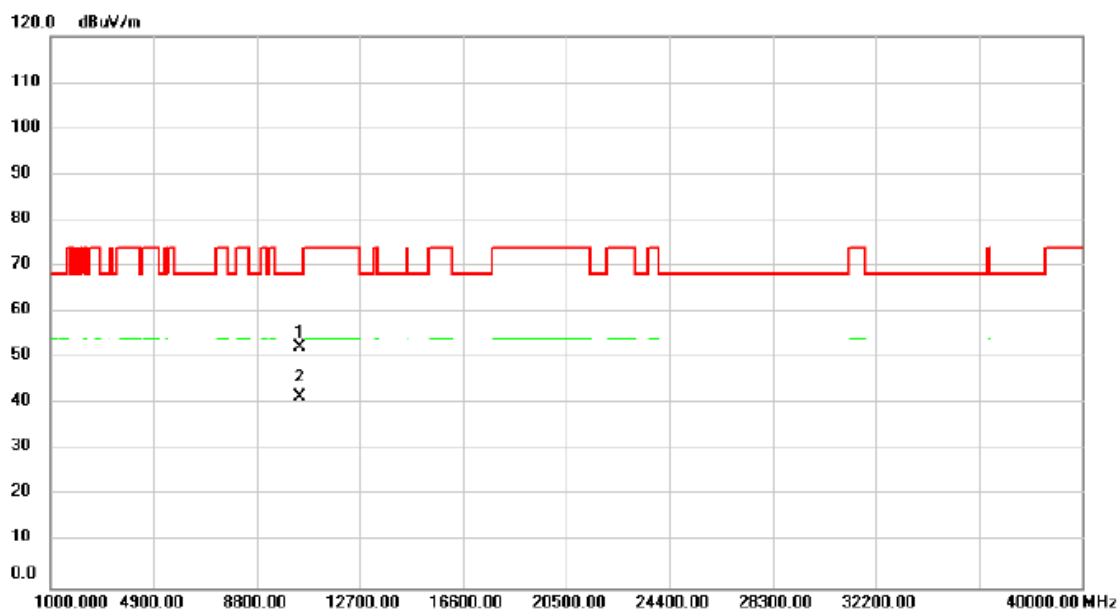


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10380.00	41.37	4.44	45.81	68.20	-22.39	peak		
2		10380.00	32.10	4.44	36.54	68.20	-31.66	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5230MHz	Polarization	Vertical

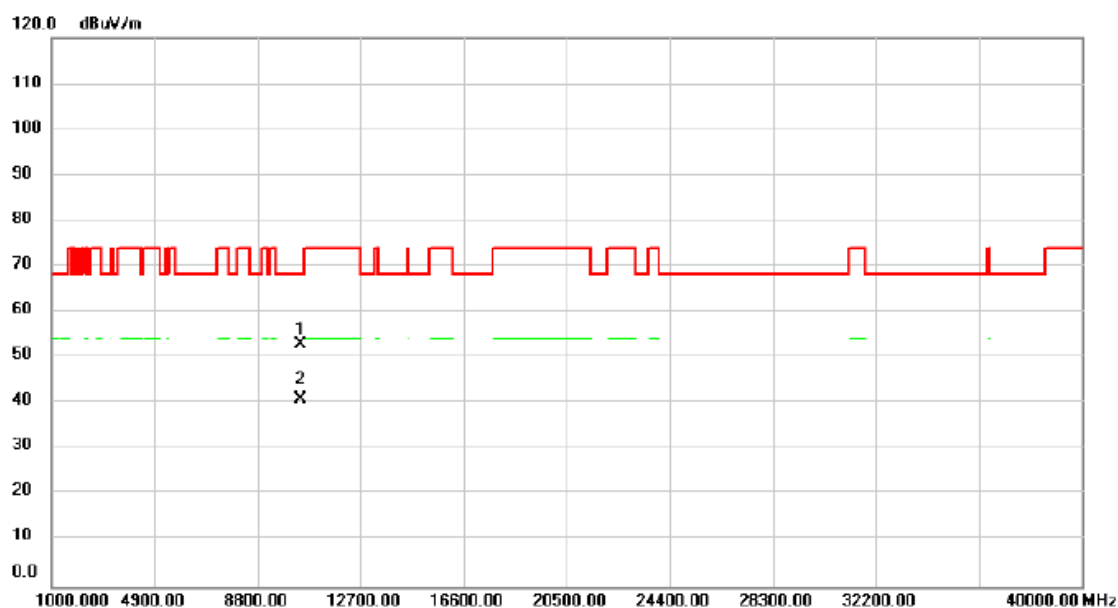


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10460.00	48.00	4.42	52.42	68.20	-15.78	peak		
2		10460.00	37.09	4.42	41.51	68.20	-26.69	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5230MHz	Polarization	Horizontal

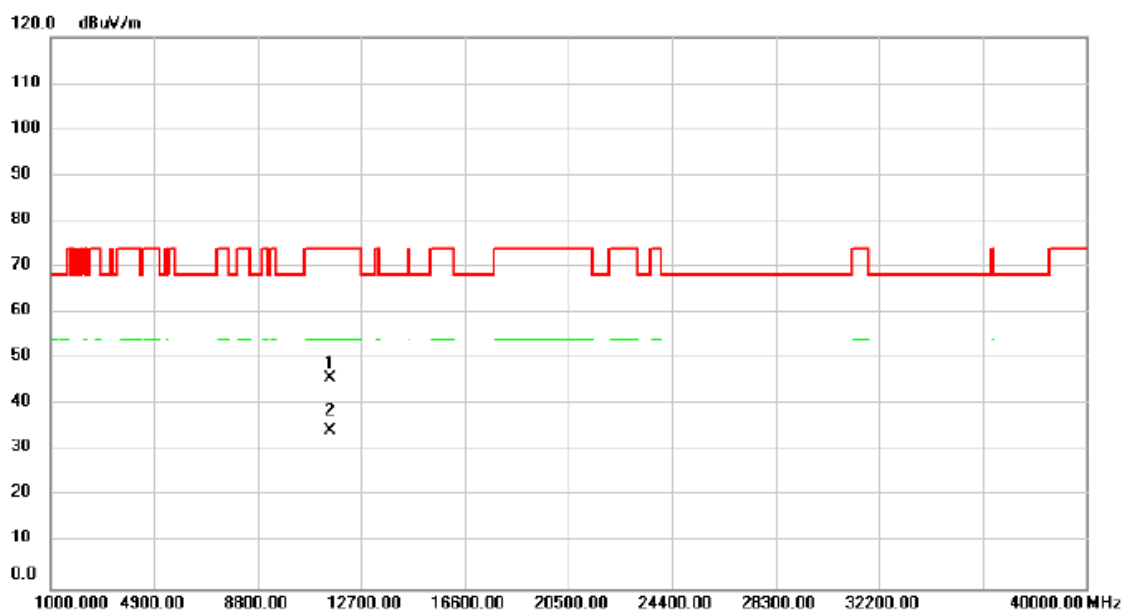


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	*	10460.00	48.52	4.42	52.94	68.20	-15.26	peak		
2		10460.00	36.61	4.42	41.03	68.20	-27.17	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5755MHz	Polarization	Vertical

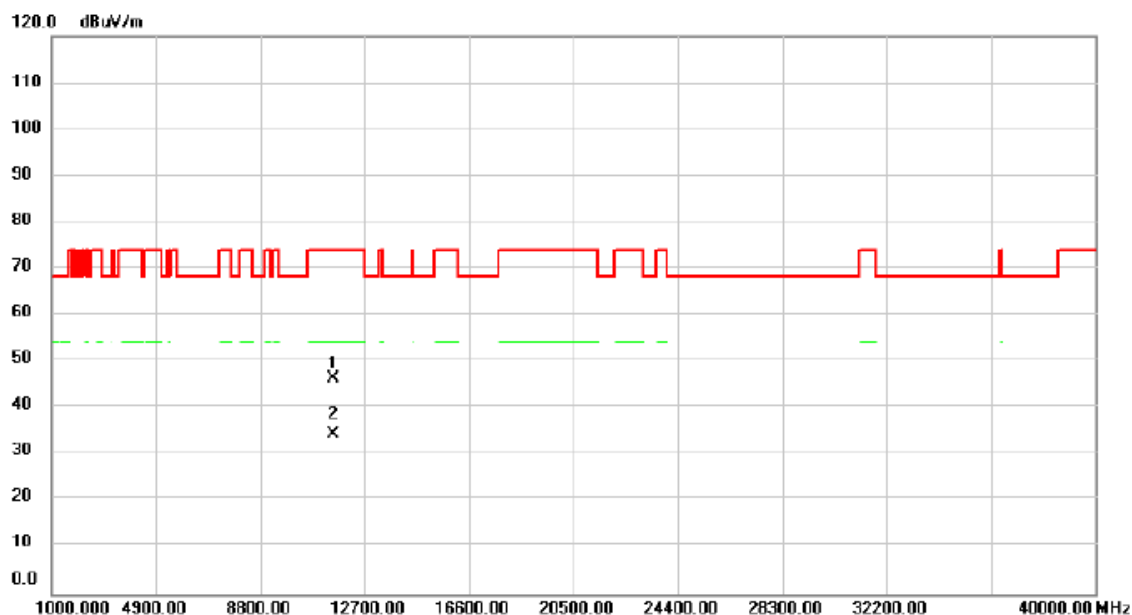


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11510.00	40.75	5.03	45.78	74.00	-28.22	peak		
2	*	11510.00	29.38	5.03	34.41	54.00	-19.59	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5755MHz	Polarization	Horizontal

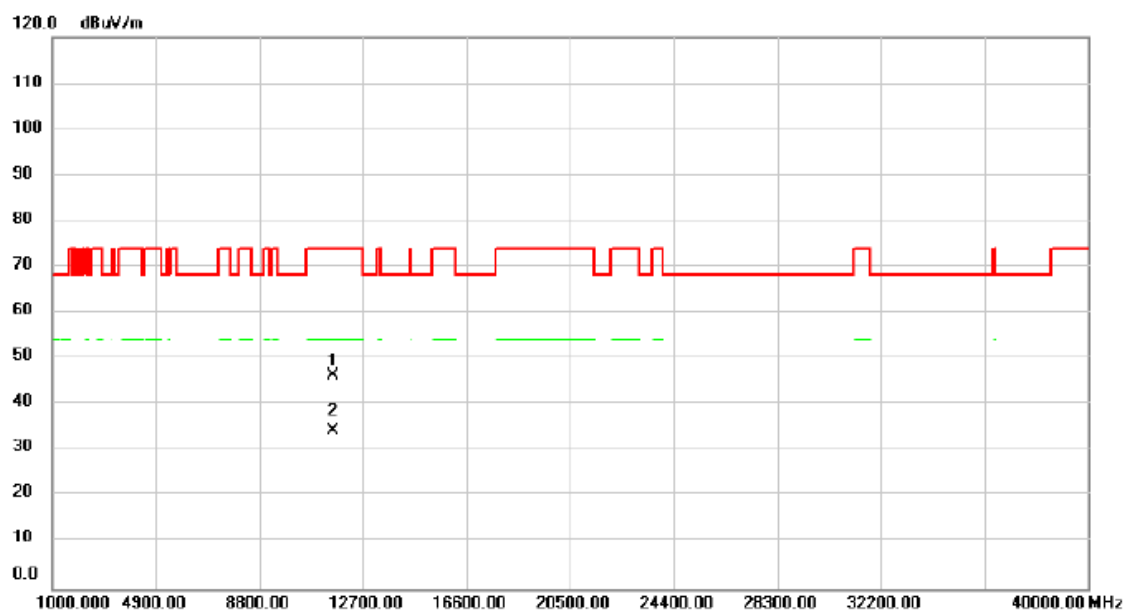


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		11510.00	41.25	5.03	46.28	74.00	-27.72	peak		
2	*	11510.00	29.37	5.03	34.40	54.00	-19.60	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5795MHz	Polarization	Vertical

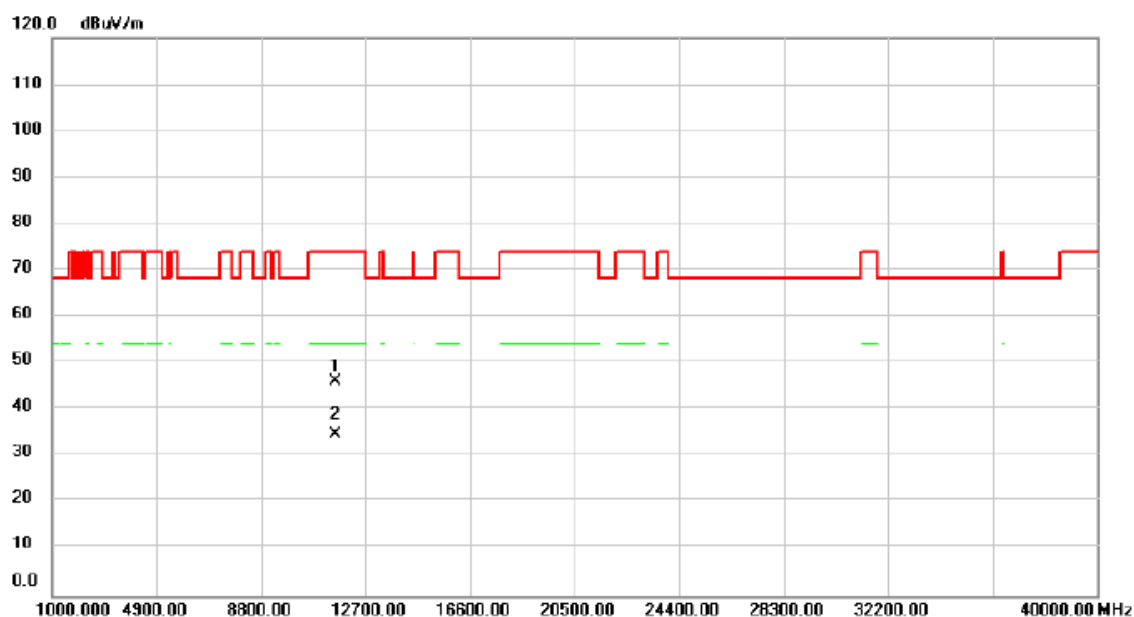


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11590.00	41.37	5.08	46.45	74.00	-27.55	peak		
2	*	11590.00	29.40	5.08	34.48	54.00	-19.52	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n(HT40)	Test Date	2024/1/4
Test Frequency	5795MHz	Polarization	Horizontal

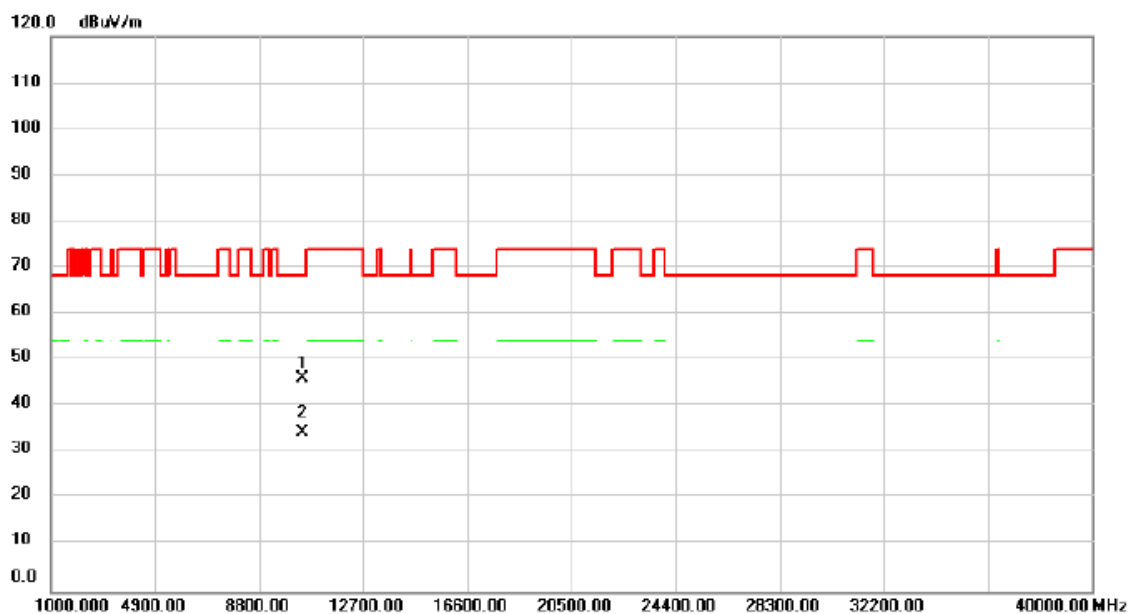


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11590.00	41.02	5.08	46.10	74.00	-27.90	peak		
2	*	11590.00	29.43	5.08	34.51	54.00	-19.49	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ac(VHT80)	Test Date	2024/1/4
Test Frequency	5210MHz	Polarization	Vertical

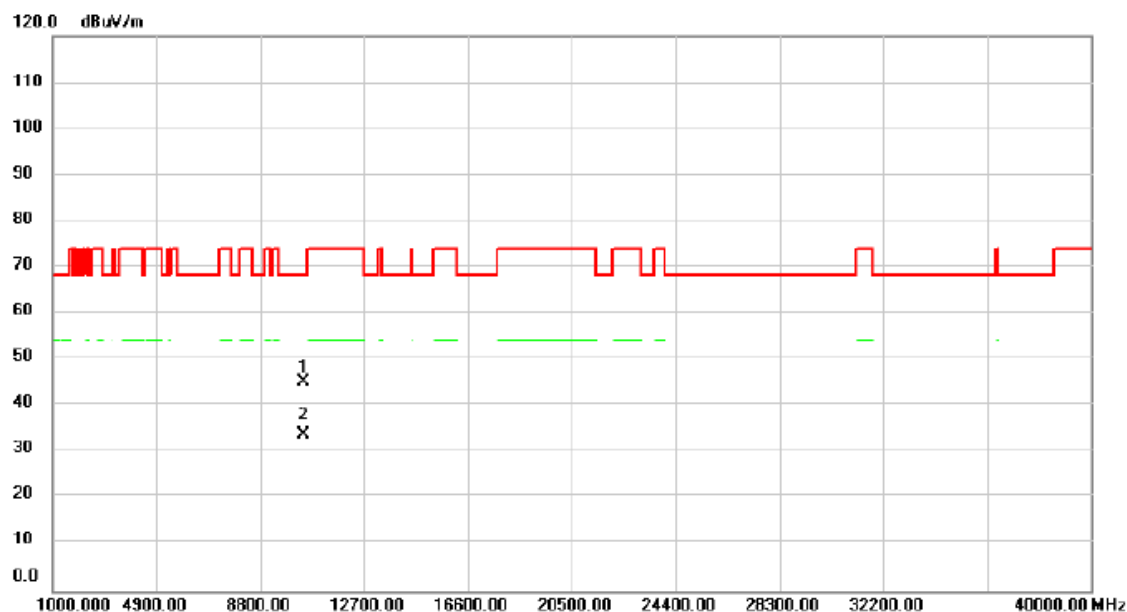


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10420.00	41.71	4.42	46.13	68.20	-22.07	peak		
2		10420.00	29.97	4.42	34.39	68.20	-33.81	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ac(VHT80)	Test Date	2024/1/4
Test Frequency	5210MHz	Polarization	Horizontal

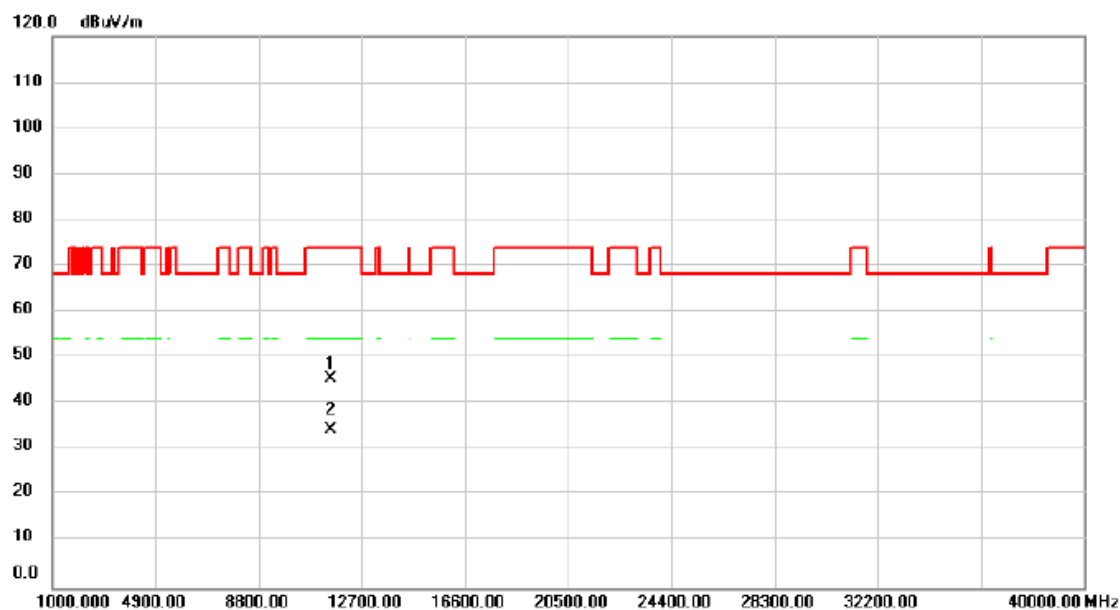


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10420.00	40.83	4.42	45.25	68.20	-22.95	peak		
2		10420.00	29.38	4.42	33.80	68.20	-34.40	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ac(VHT80)	Test Date	2024/1/4
Test Frequency	5775MHz	Polarization	Vertical

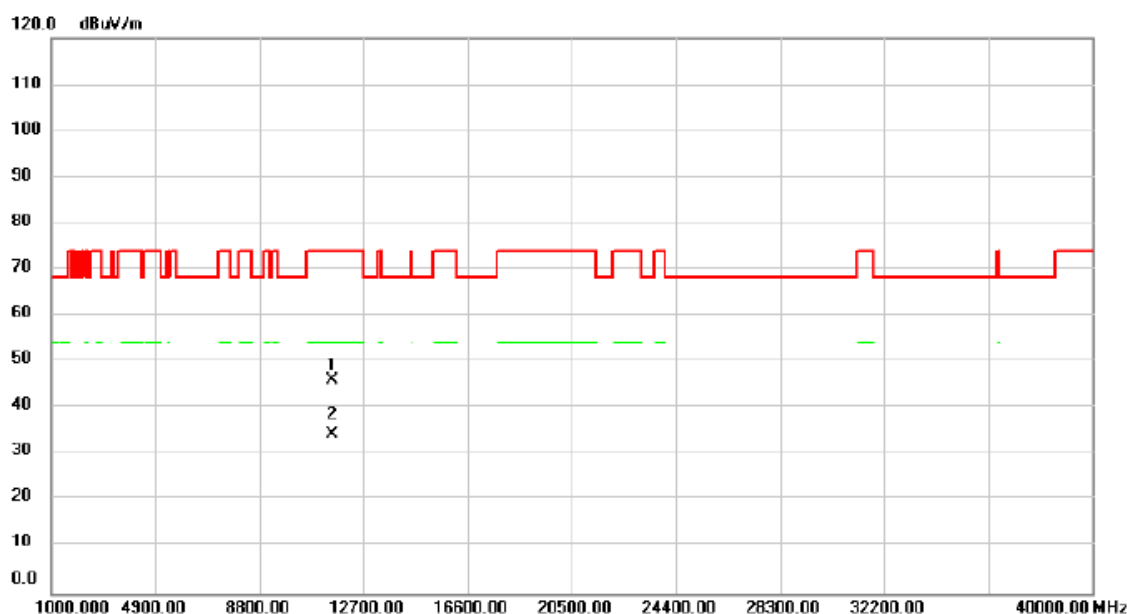


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11550.00	40.51	5.05	45.56	74.00	-28.44	peak		
2	*	11550.00	29.41	5.05	34.46	54.00	-19.54	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ac(VHT80)	Test Date	2024/1/4
Test Frequency	5775MHz	Polarization	Horizontal

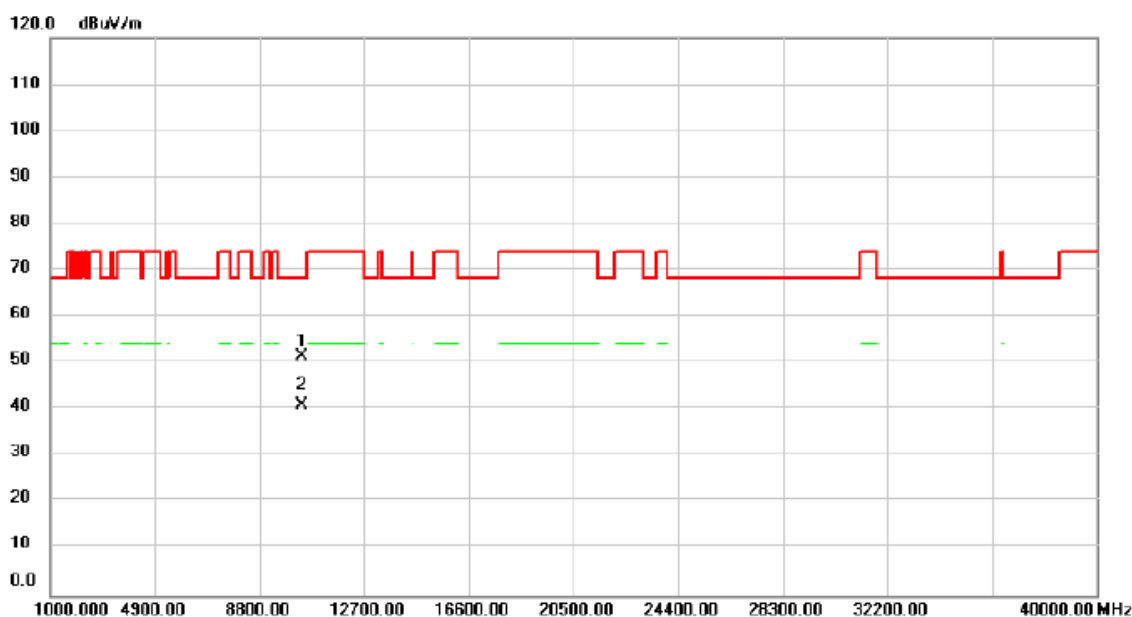


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11550.00	41.08	5.05	46.13	74.00	-27.87	peak		
2	*	11550.00	29.31	5.05	34.36	54.00	-19.64	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5180MHz	Polarization	Vertical

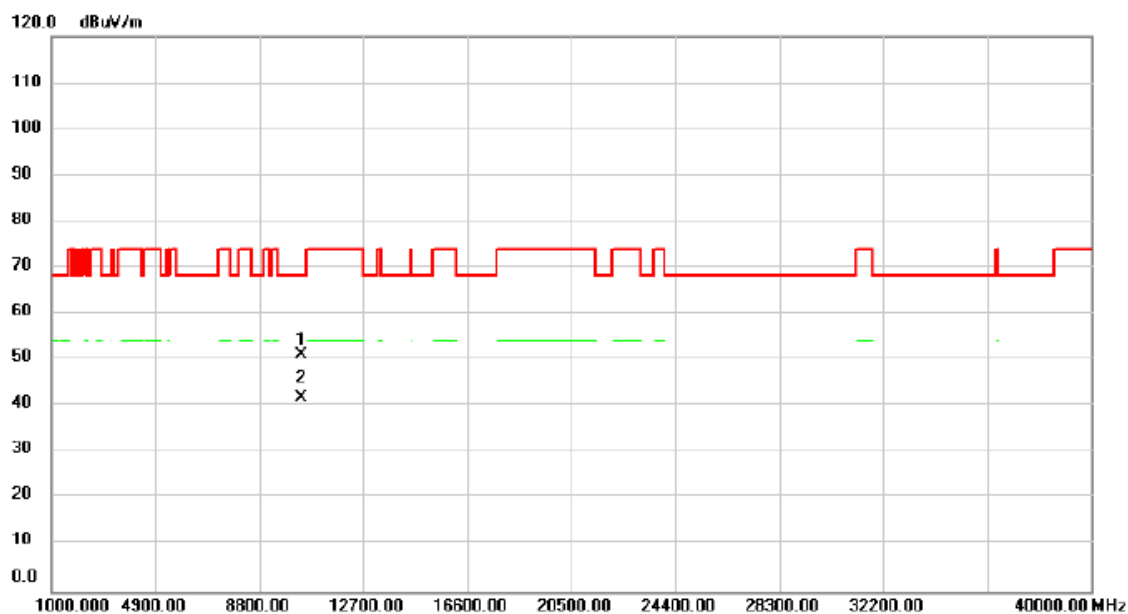


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	*	10360.00	47.16	4.44	51.60	68.20	-16.60	peak		
2		10360.00	36.59	4.44	41.03	68.20	-27.17	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5180MHz	Polarization	Horizontal

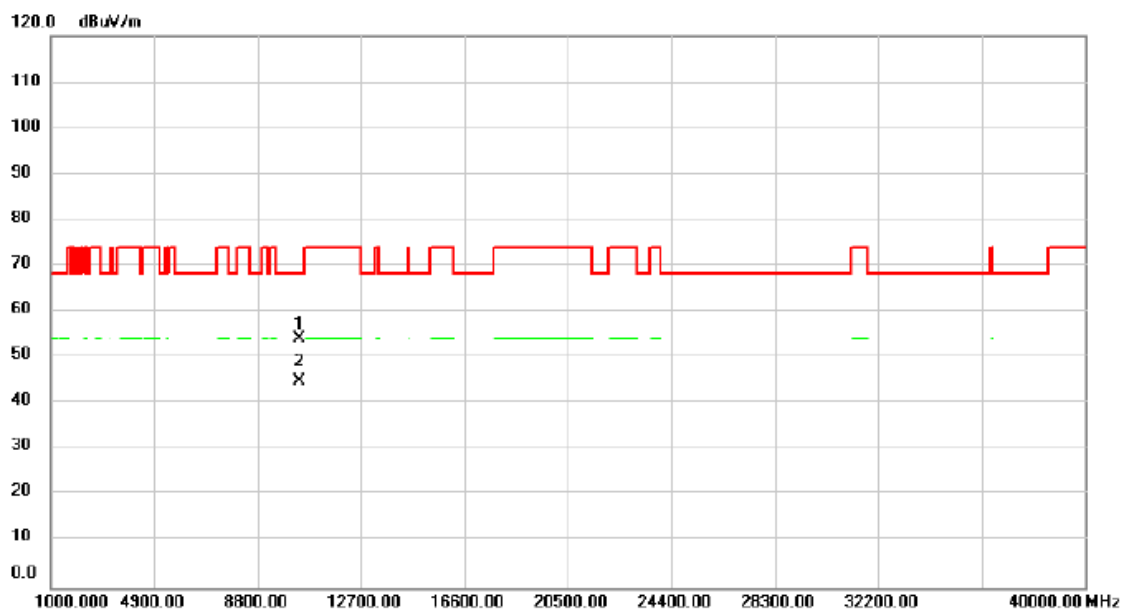


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10360.00	46.59	4.44	51.03	68.20	-17.17	peak		
2		10360.00	37.27	4.44	41.71	68.20	-26.49	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5200MHz	Polarization	Vertical

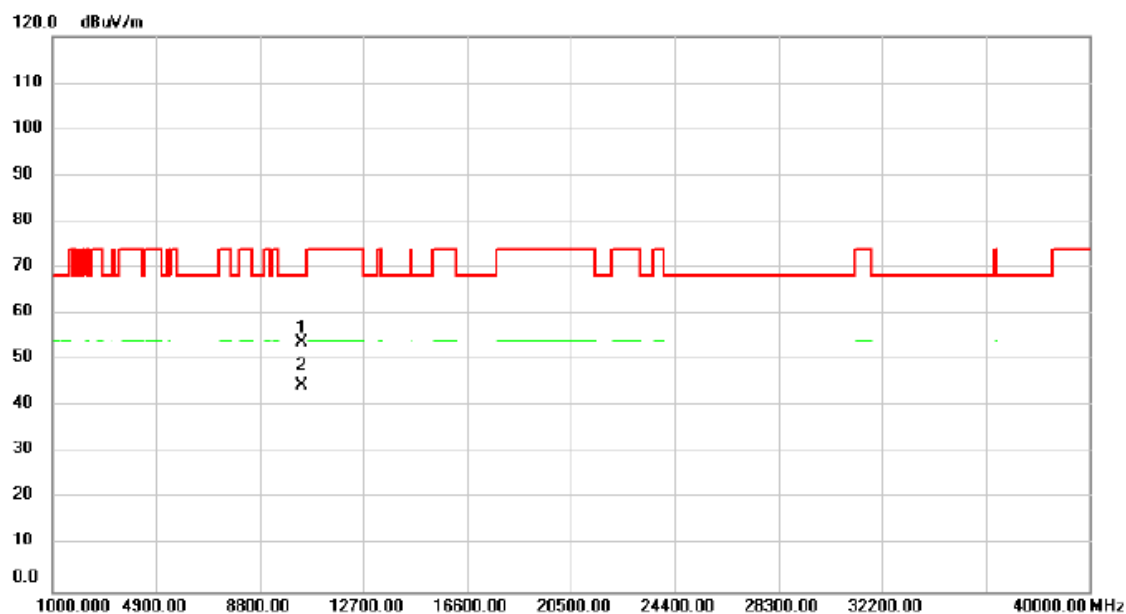


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10399.00	49.81	4.44	54.25	68.20	-13.95			peak
2		10399.00	40.27	4.44	44.71	68.20	-23.49			AVG

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5200MHz	Polarization	Horizontal

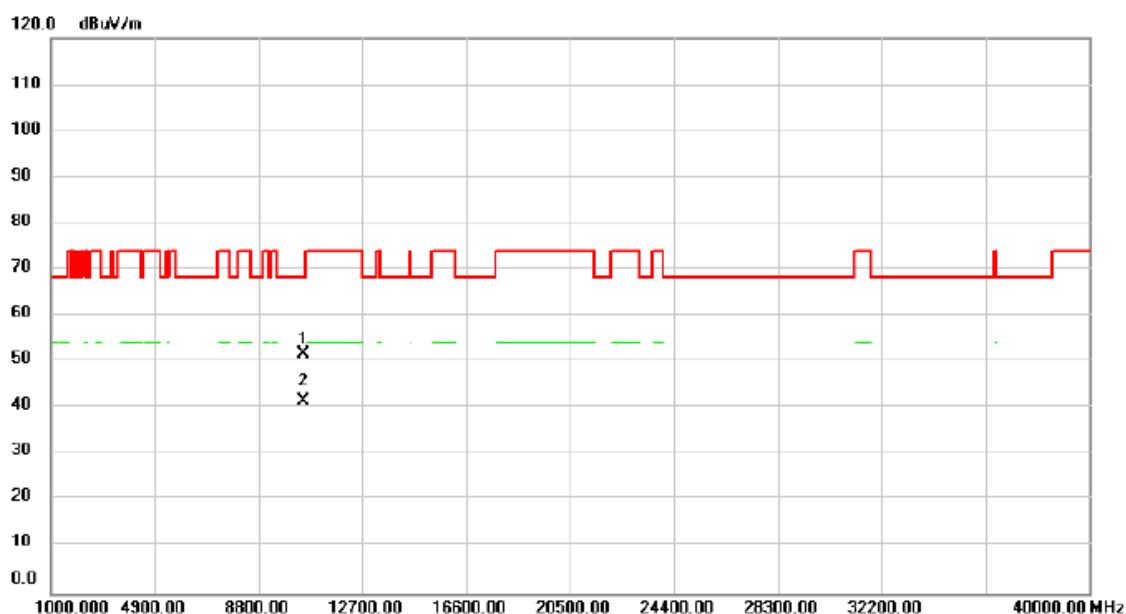


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree degree	Comment
1	*	10399.00	49.53	4.44	53.97	68.20	-14.23	peak		
2		10399.00	40.02	4.44	44.46	68.20	-23.74	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5240MHz	Polarization	Vertical

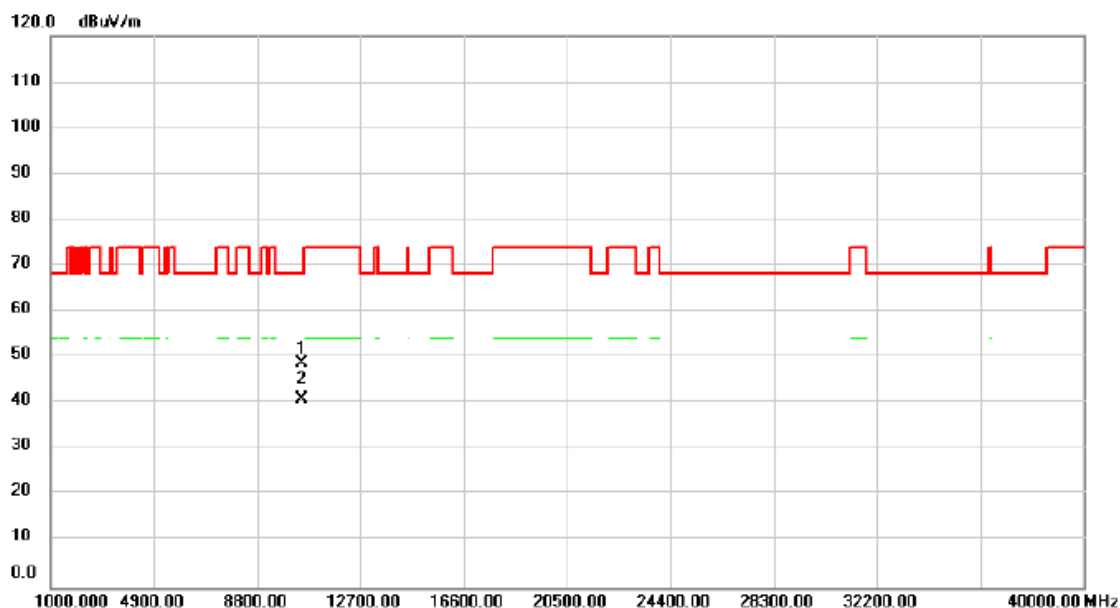


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10477.00	47.45	4.42	51.87	68.20	-16.33	peak		
2		10477.00	37.20	4.42	41.62	68.20	-26.58	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5240MHz	Polarization	Horizontal

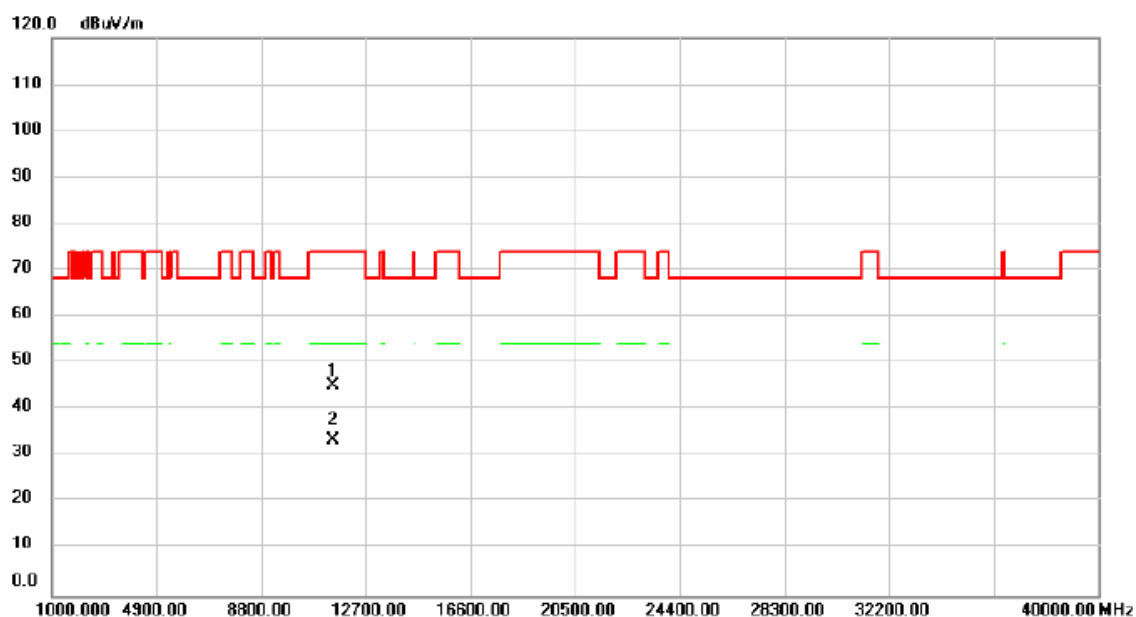


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10477.00	44.33	4.42	48.75	68.20	-19.45	peak		
2		10477.00	36.53	4.42	40.95	68.20	-27.25	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5745MHz	Polarization	Vertical

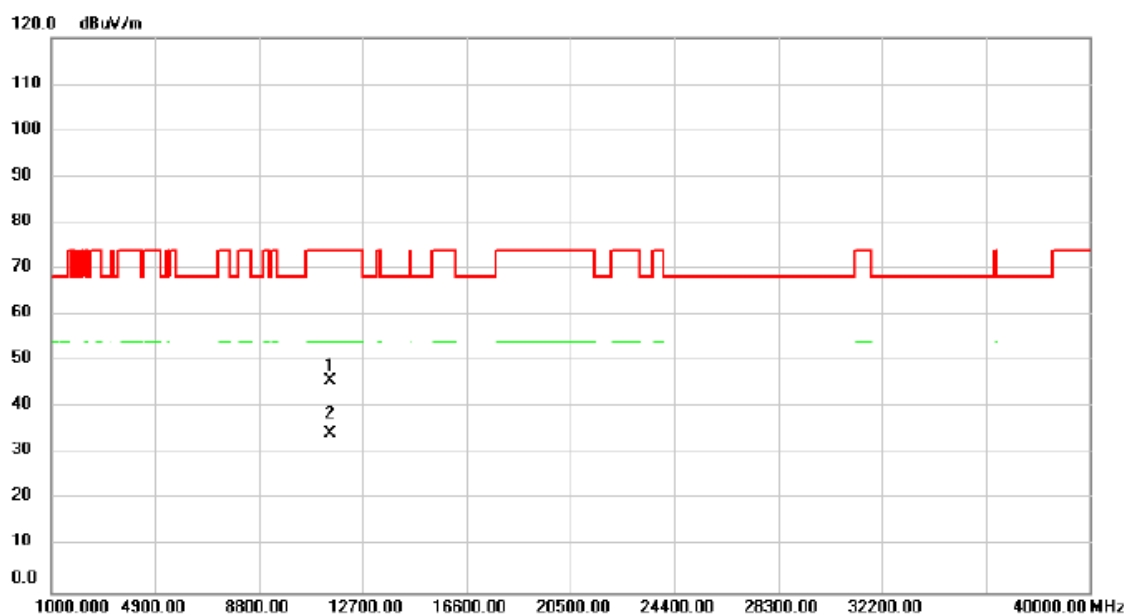


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		11490.00	40.07	5.02	45.09	74.00	-28.91	peak			
2	*	11490.00	28.53	5.02	33.55	54.00	-20.45	AVG			

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5745MHz	Polarization	Horizontal

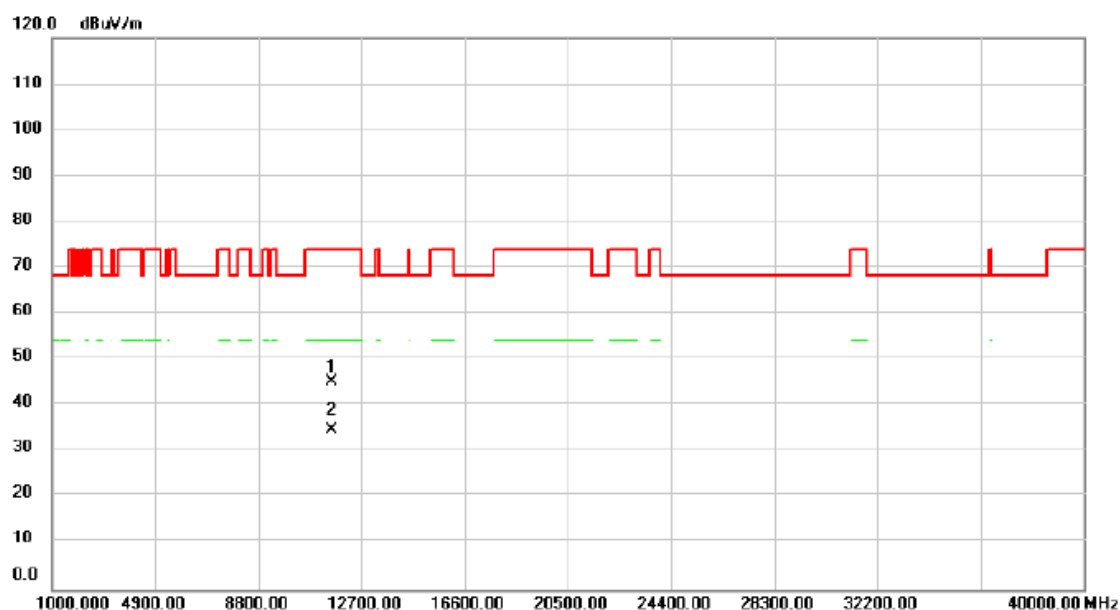


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		11490.00	40.66	5.02	45.68	74.00	-28.32	peak			
2	*	11490.00	29.20	5.02	34.22	54.00	-19.78	AVG			

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5785MHz	Polarization	Vertical

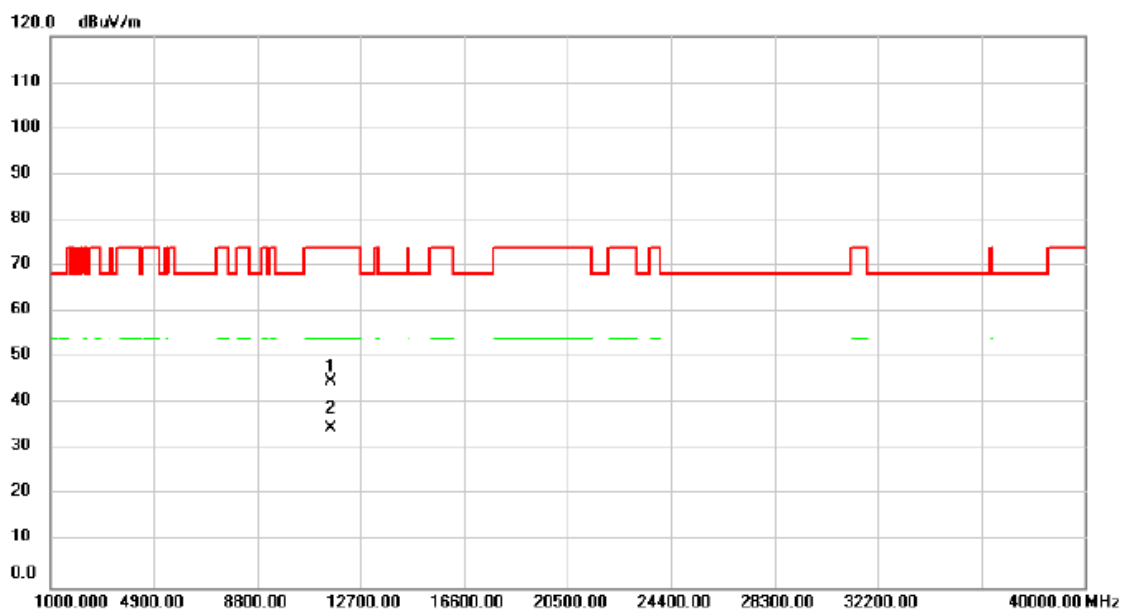


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		11570.00	40.03	5.06	45.09	74.00	-28.91	peak			
2	*	11570.00	29.60	5.06	34.66	54.00	-19.34	AVG			

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5785MHz	Polarization	Horizontal

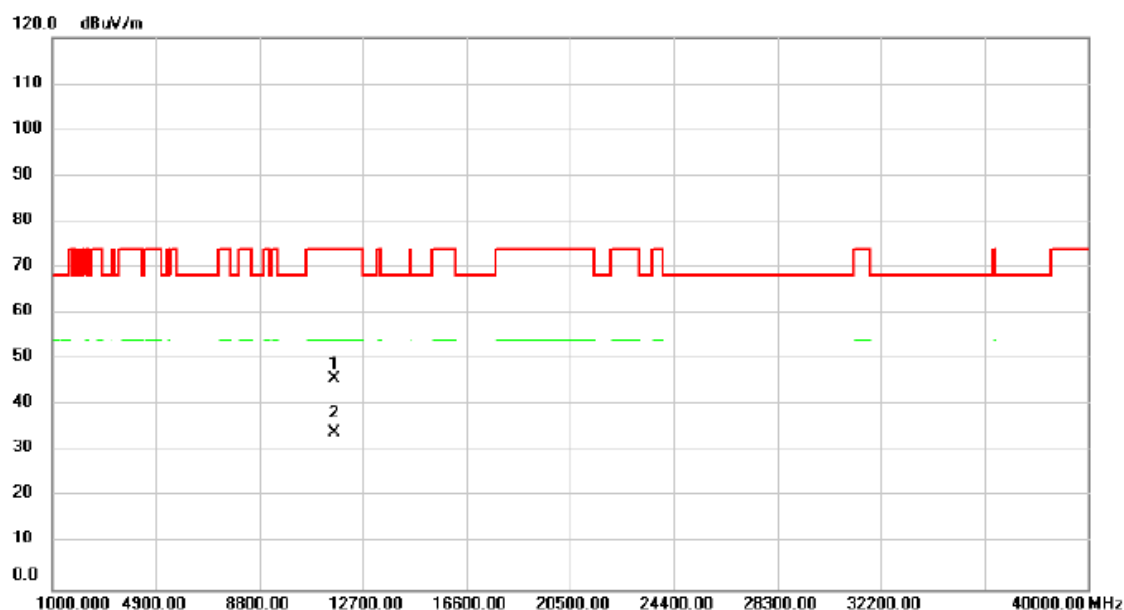


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		11570.00	39.80	5.06	44.86	74.00	-29.14	peak			
2	*	11570.00	29.67	5.06	34.73	54.00	-19.27	AVG			

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5825MHz	Polarization	Vertical

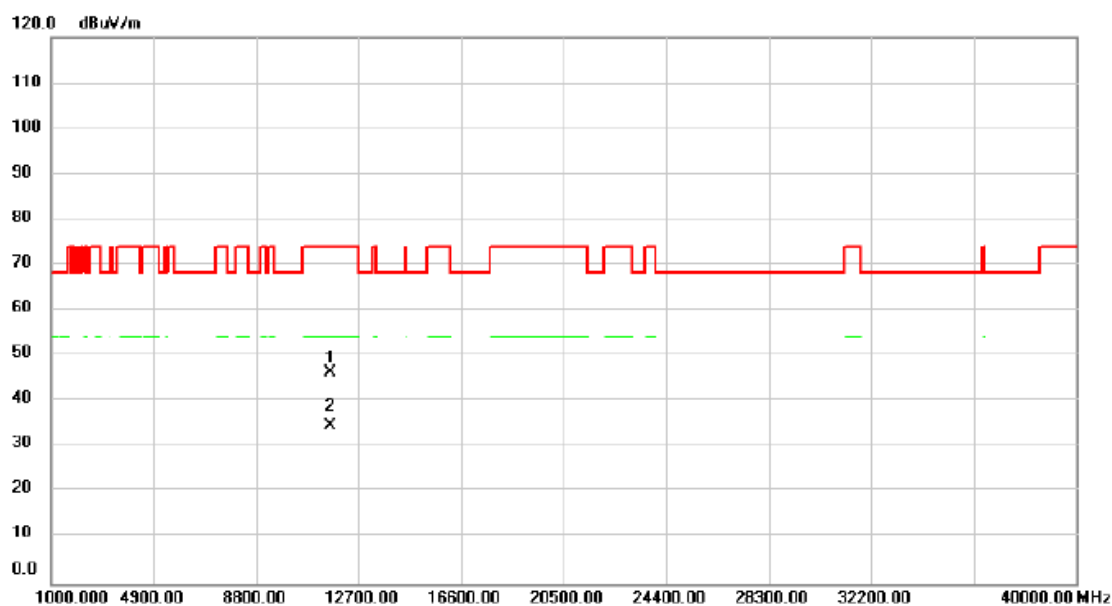


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11650.00	40.67	5.10	45.77	74.00	-28.23	peak		
2	*	11650.00	29.03	5.10	34.13	54.00	-19.87	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE20)	Test Date	2024/1/5
Test Frequency	5825MHz	Polarization	Horizontal

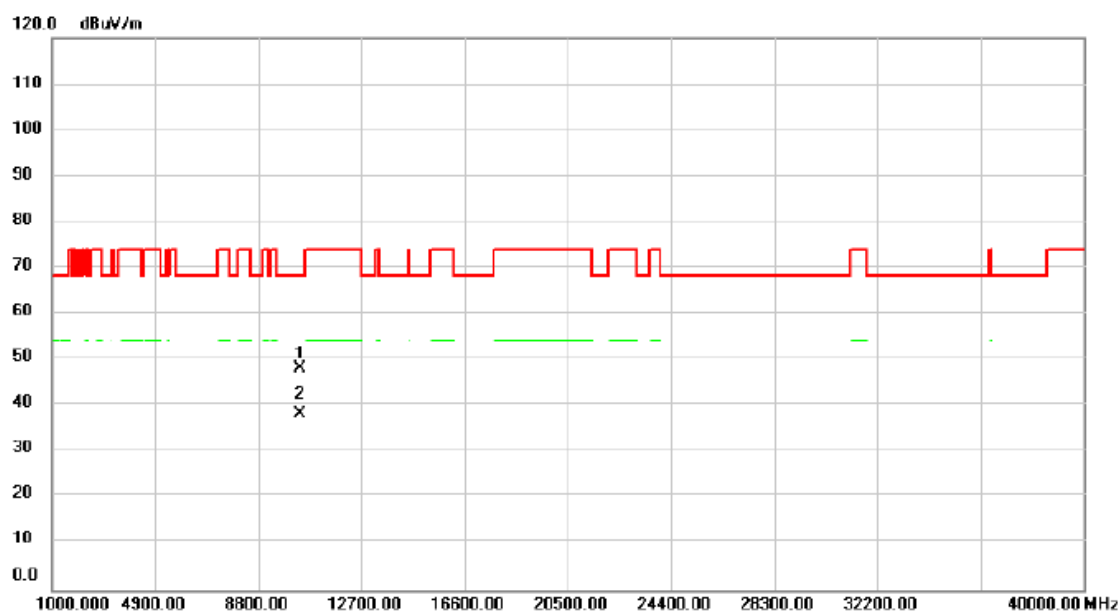


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11650.00	41.24	5.10	46.34	74.00	-27.66	peak		
2	*	11650.00	29.47	5.10	34.57	54.00	-19.43	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/5
Test Frequency	5190MHz	Polarization	Vertical

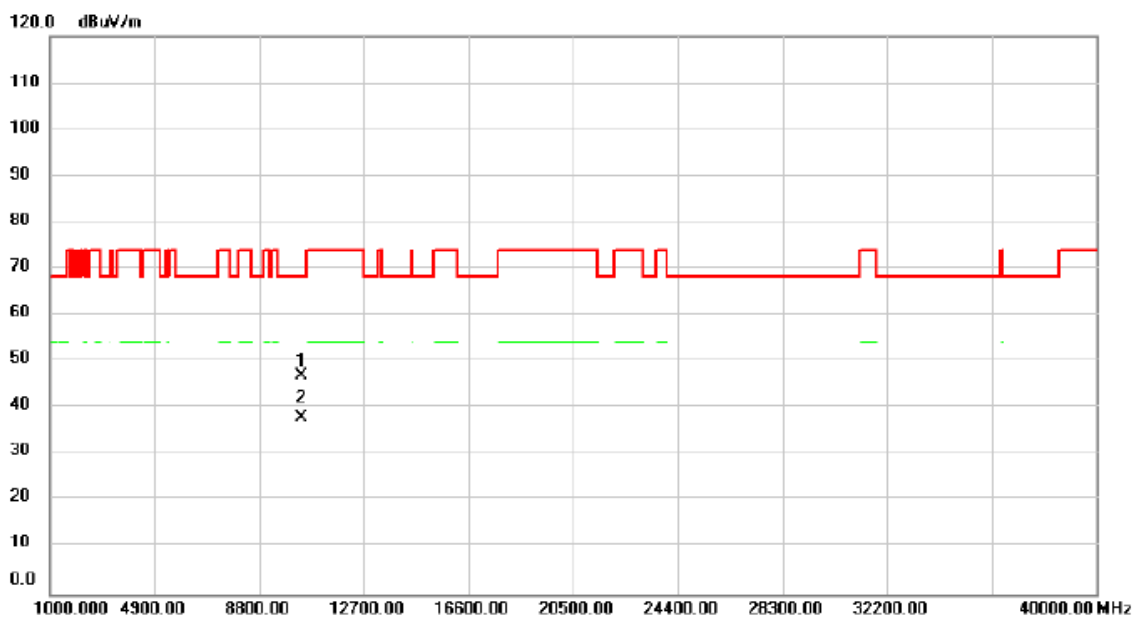


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	*	10380.00	43.65	4.44	48.09	68.20	-20.11	peak		
2		10380.00	33.81	4.44	38.25	68.20	-29.95	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/5
Test Frequency	5190MHz	Polarization	Horizontal

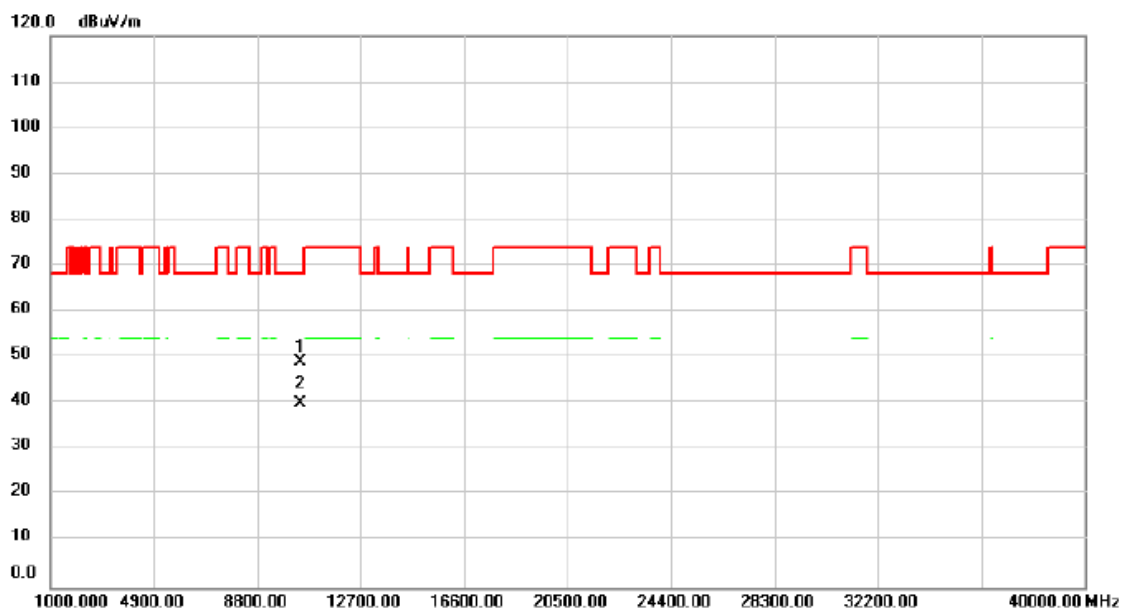


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree degree	Comment
1	*	10380.00	42.42	4.44	46.86	68.20	-21.34	peak		
2		10380.00	33.37	4.44	37.81	68.20	-30.39	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/5
Test Frequency	5230MHz	Polarization	Vertical

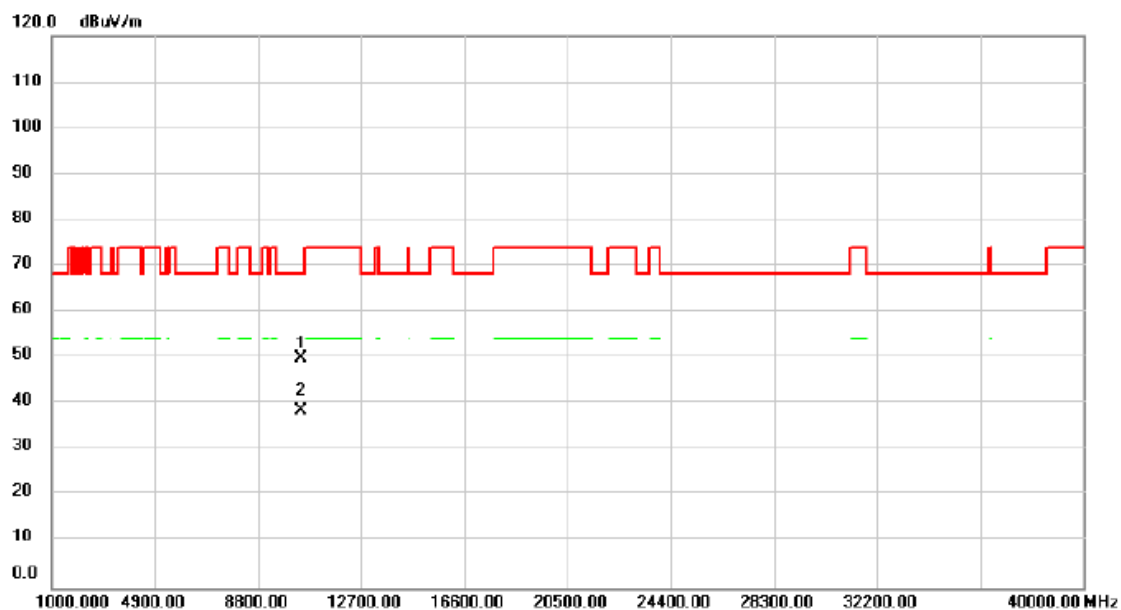


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10460.00	44.59	4.42	49.01	68.20	-19.19			peak
2		10460.00	35.57	4.42	39.99	68.20	-28.21			AVG

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/5
Test Frequency	5230MHz	Polarization	Horizontal

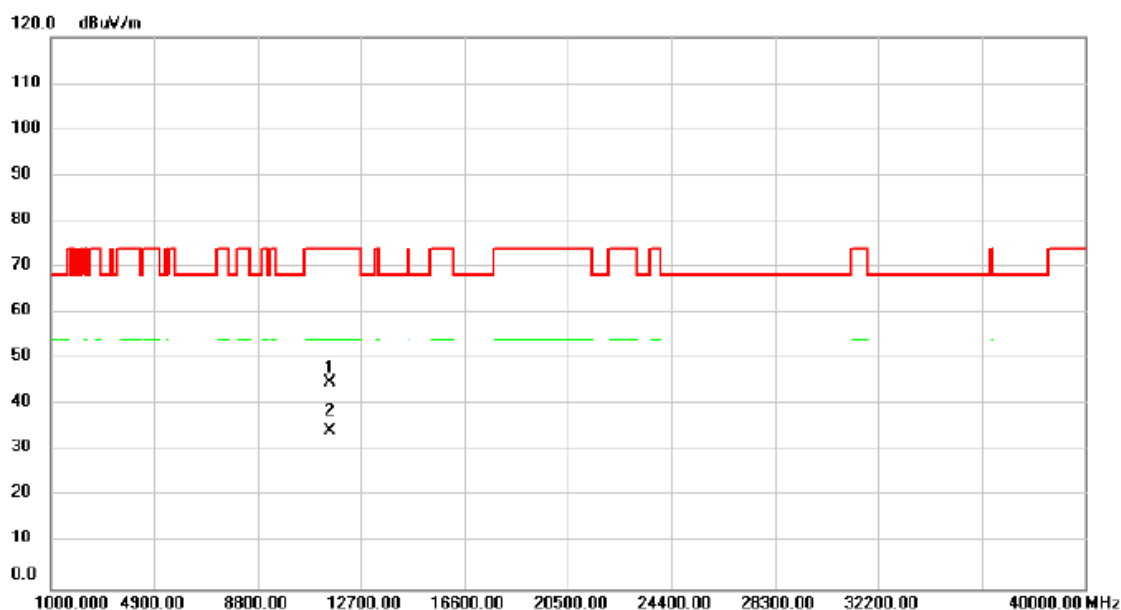


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree degree	Comment
1	*	10460.00	45.62	4.42	50.04	68.20	-18.16	peak		
2		10460.00	34.27	4.42	38.69	68.20	-29.51	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/5
Test Frequency	5755MHz	Polarization	Vertical

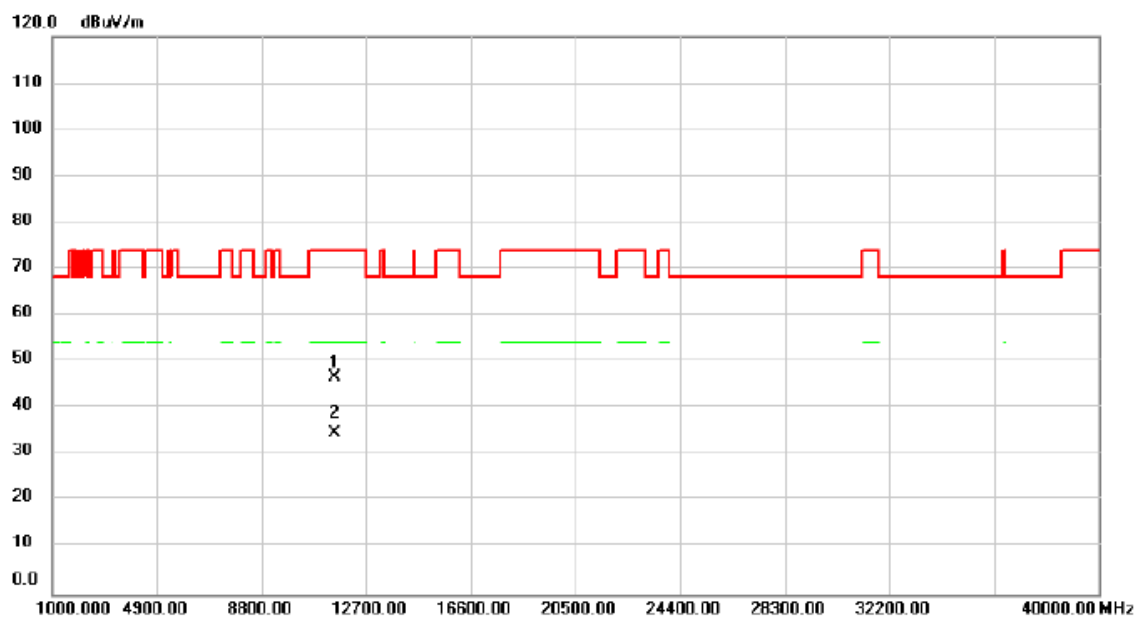


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		11510.00	39.86	5.03	44.89	74.00	-29.11	peak			
2	*	11510.00	29.46	5.03	34.49	54.00	-19.51	AVG			

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/5
Test Frequency	5755MHz	Polarization	Horizontal

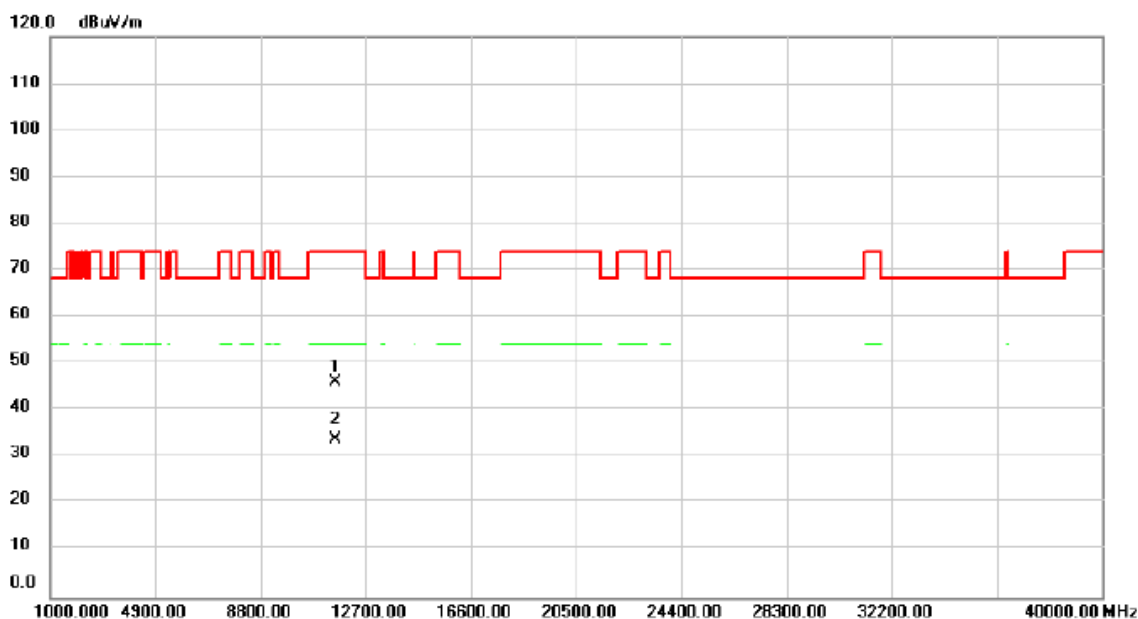


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree degree	Comment
1		11510.00	41.52	5.03	46.55	74.00	-27.45	peak		
2	*	11510.00	29.50	5.03	34.53	54.00	-19.47	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/5
Test Frequency	5795MHz	Polarization	Vertical

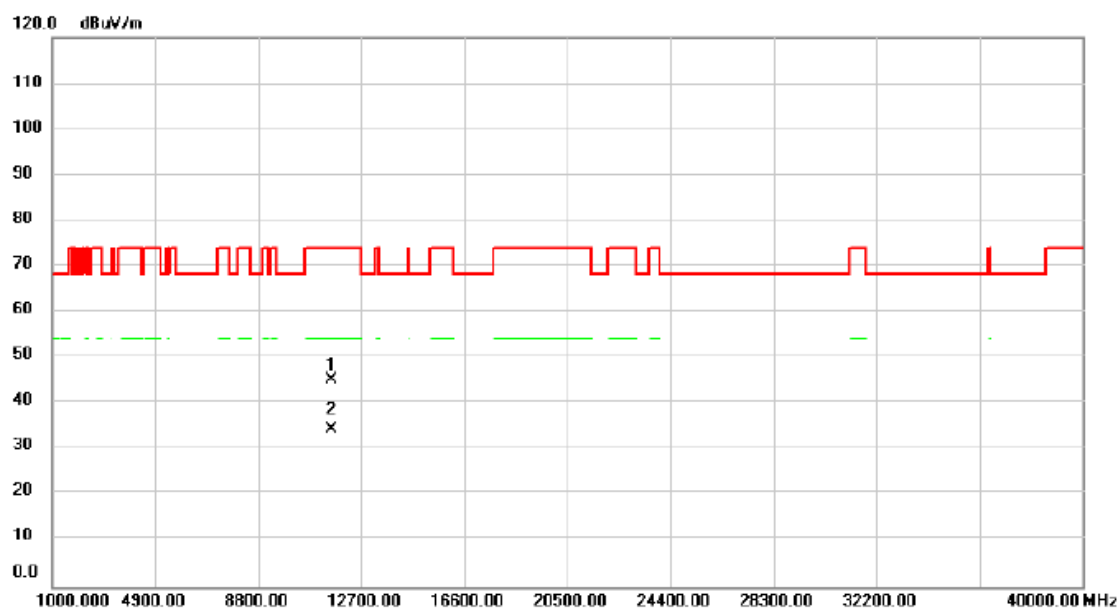


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		11590.00	41.08	5.08	46.16	74.00	-27.84	peak		
2	*	11590.00	28.62	5.08	33.70	54.00	-20.30	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE40)	Test Date	2024/1/5
Test Frequency	5795MHz	Polarization	Horizontal

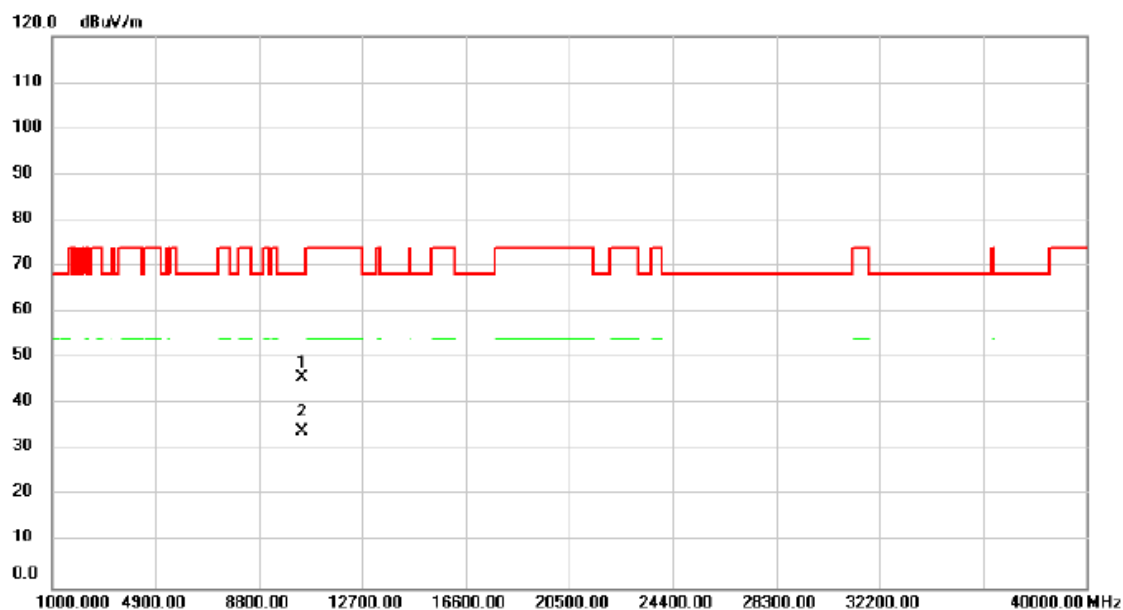


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		11590.00	40.05	5.08	45.13	74.00	-28.87	peak		
2	*	11590.00	29.39	5.08	34.47	54.00	-19.53	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE80)	Test Date	2024/1/5
Test Frequency	5210MHz	Polarization	Vertical

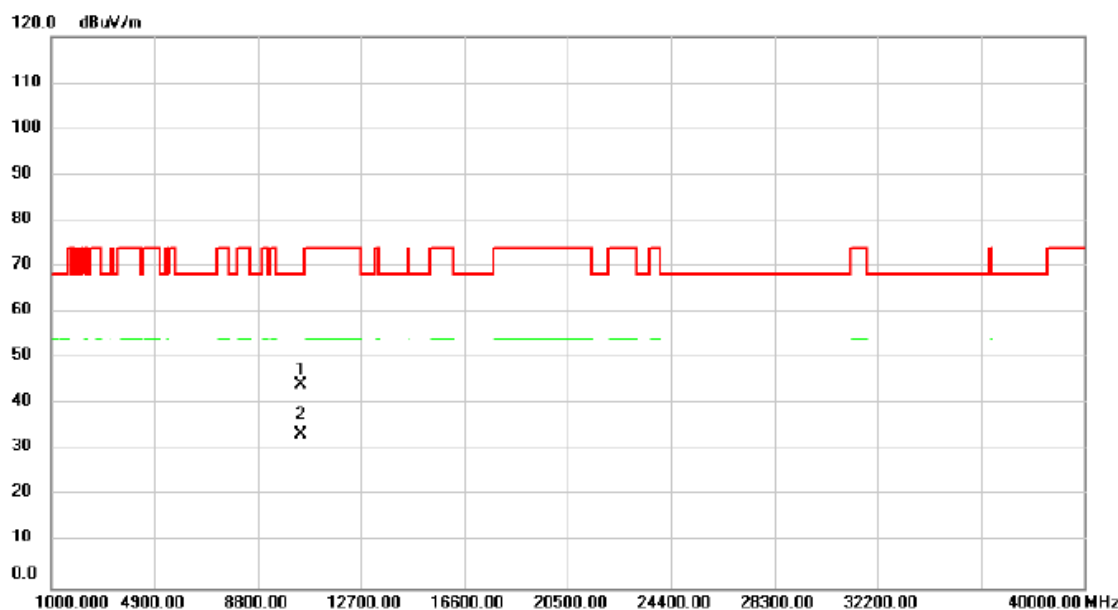


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	10420.00	41.35	4.42	45.77	68.20	-22.43	peak		
2		10420.00	29.62	4.42	34.04	68.20	-34.16	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE80)	Test Date	2024/1/5
Test Frequency	5210MHz	Polarization	Horizontal

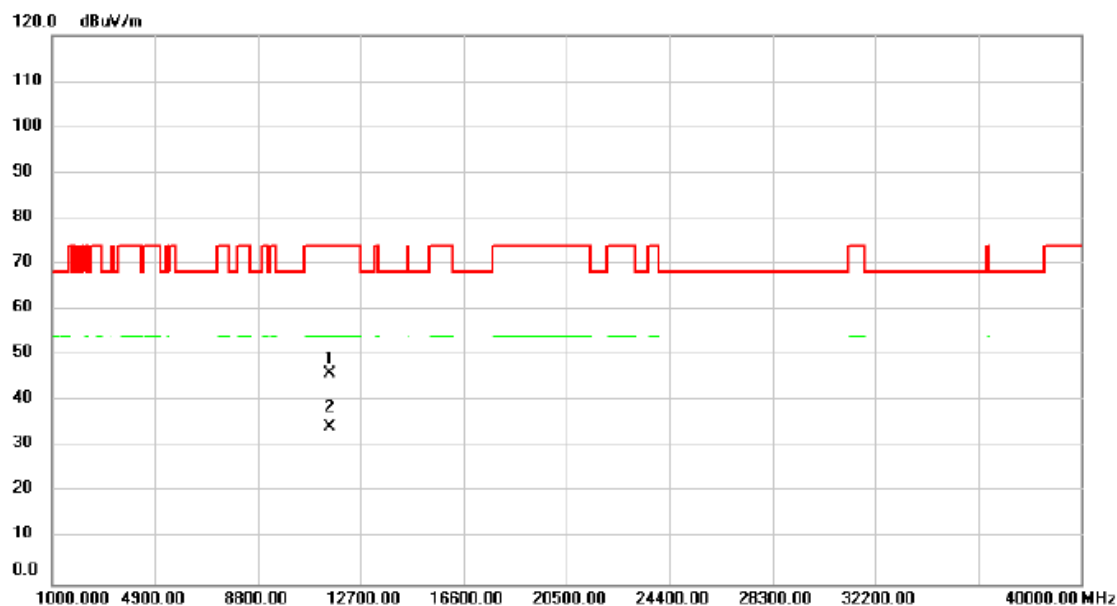


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1	*	10420.00	39.93	4.42	44.35	68.20	-23.85	peak		
2		10420.00	29.06	4.42	33.48	68.20	-34.72	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax(HE80)	Test Date	2024/1/5
Test Frequency	5775MHz	Polarization	Vertical

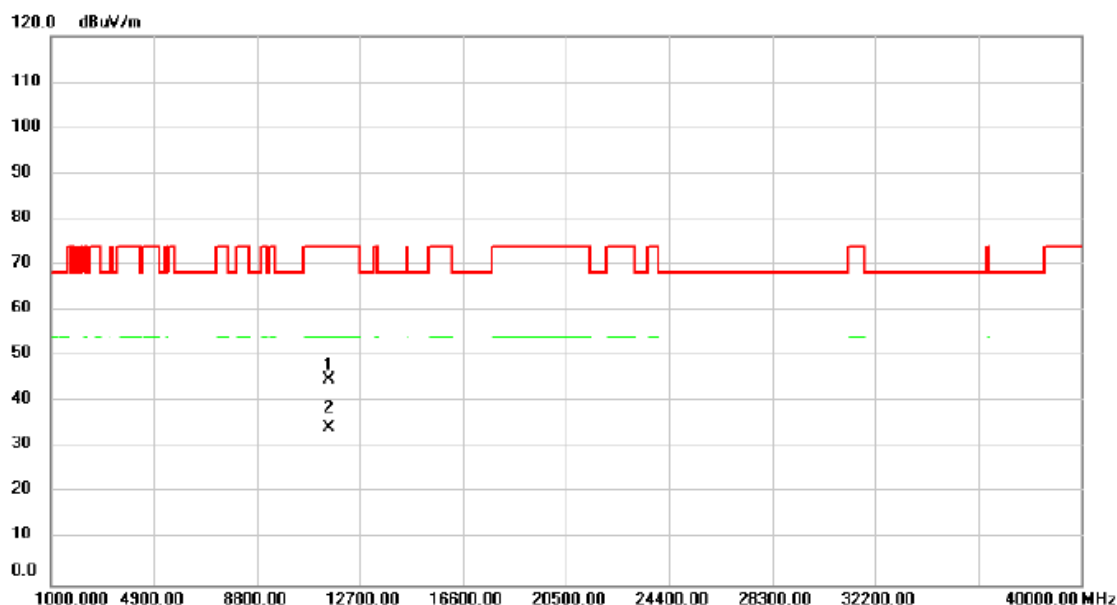


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		11550.00	41.01	5.05	46.06	74.00	-27.94	peak			
2	*	11550.00	29.30	5.05	34.35	54.00	-19.65	AVG			

REMARKS:

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

Test Mode	IEEE 802.11ax(HE80)	Test Date	2024/1/5
Test Frequency	5775MHz	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		11550.00	39.89	5.05	44.94	74.00	-29.06	peak			
2	*	11550.00	29.33	5.05	34.38	54.00	-19.62	AVG			

REMARKS:

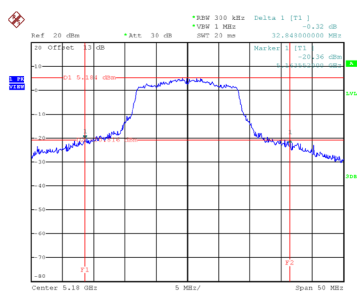
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D BANDWIDTH

Test Mode	UNII-1_TX A Mode
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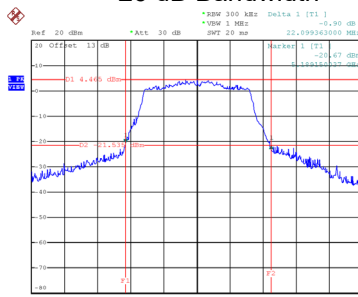
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	32.848	18.500
40	5200	22.099	17.400
48	5240	23.790	17.600

CH36



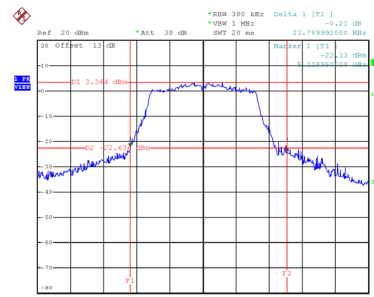
Date: 2.JAN.2024 17:50:00

CH40
26 dB Bandwidth



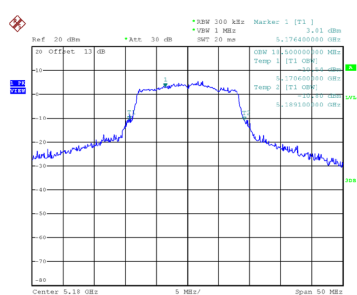
Date: 2.JAN.2024 17:53:32

CH48

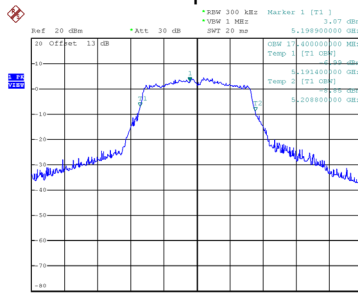


Date: 2.JAN.2024 17:55:04

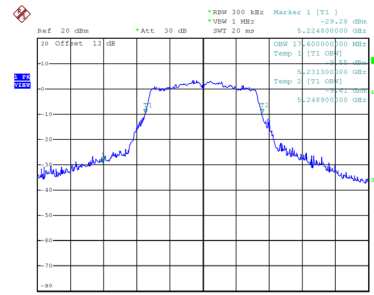
99 % Occupied Bandwidth



Date: 2.JAN.2024 17:49:39



Date: 2.JAN.2024 17:53:05

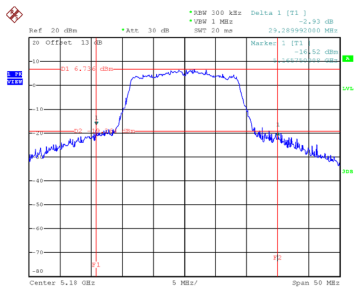


Date: 2.JAN.2024 17:54:36

Test Mode	UNII-1_TX N(HT20) Mode
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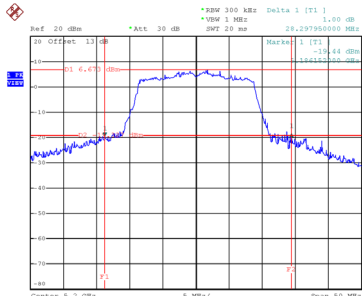
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	29.290	18.500
40	5200	28.298	18.600
48	5240	29.700	18.600

CH36



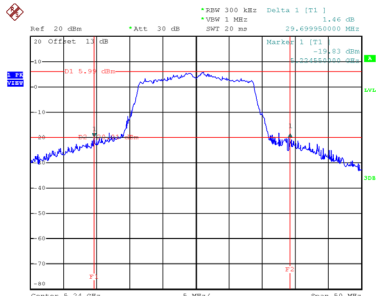
Date: 3.JAN.2024 10:25:35

CH40
26 dB Bandwidth



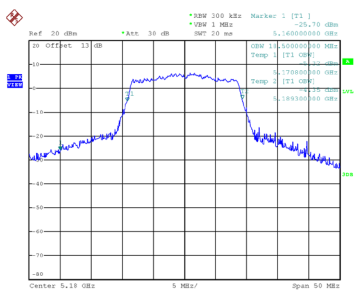
Date: 3.JAN.2024 10:28:23

CH48

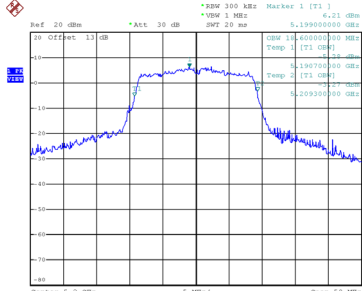


Date: 3.JAN.2024 10:29:23

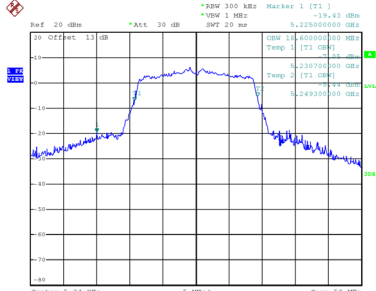
99 % Occupied Bandwidth



Date: 3.JAN.2024 10:25:12



Date: 3.JAN.2024 10:28:01

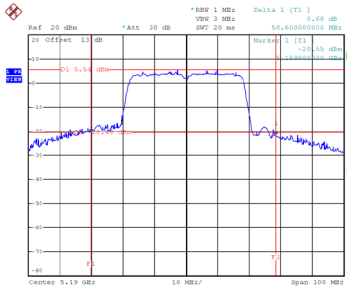


Date: 3.JAN.2024 10:29:03

Test Mode	UNII-1_TX N(HT40) Mode
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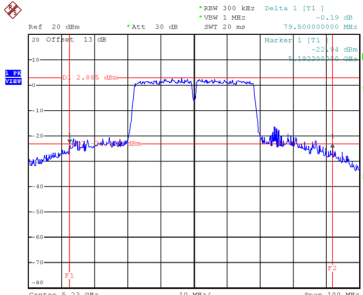
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
38	5190	58.600	39.000
46	5230	79.500	39.000

CH38



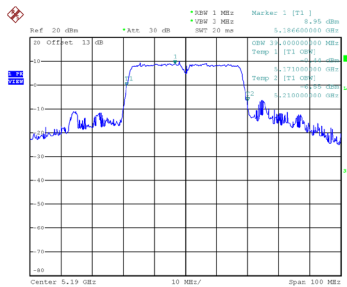
Date: 11.JAN.2024 18:32:35

CH46
26 dB Bandwidth

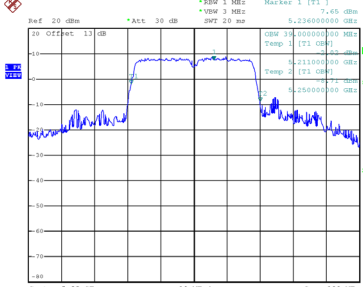


Date: 3.JAN.2024 11:46:01

99 % Occupied Bandwidth



Date: 3.JAN.2024 11:44:07

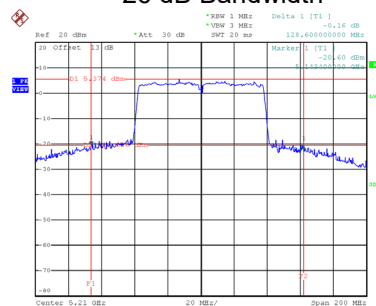


Date: 3.JAN.2024 11:45:42

Test Mode	UNII-1_TX AC(VHT80) Mode
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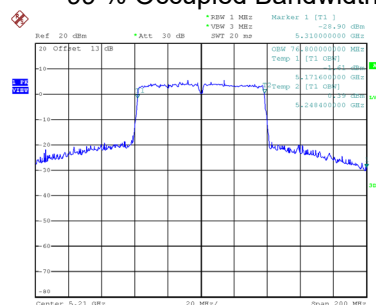
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
42	5210	128.600	76.800

CH42 26 dB Bandwidth



Date: 3.JAN.2024 12:43:03

99 % Occupied Bandwidth

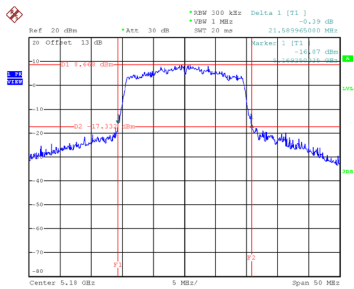


Date: 3.JAN.2024 12:42:06

Test Mode	UNII-1_TX AX(HE20) Mode
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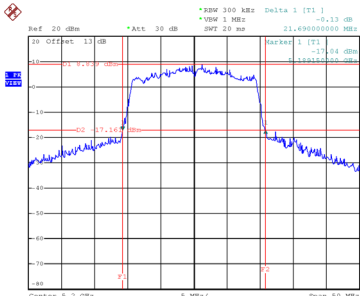
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	21.590	19.100
40	5200	21.690	19.100
48	5240	22.750	19.100

CH36



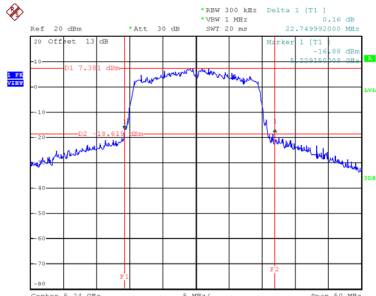
Date: 3.JAN.2024 11:28:54

CH40
26 dB Bandwidth



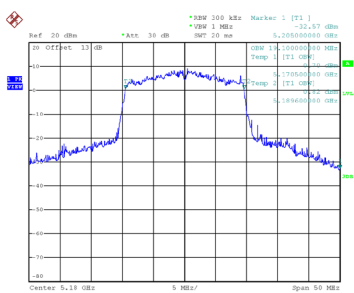
Date: 3.JAN.2024 11:18:00

CH48

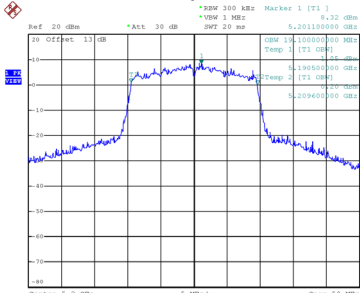


Date: 3.JAN.2024 11:19:16

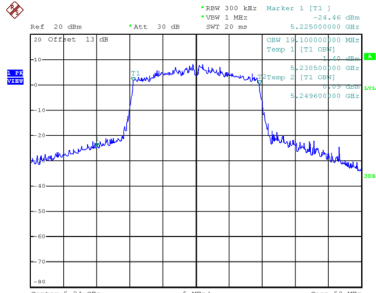
99 % Occupied Bandwidth



Date: 3.JAN.2024 11:28:25



Date: 3.JAN.2024 11:17:31

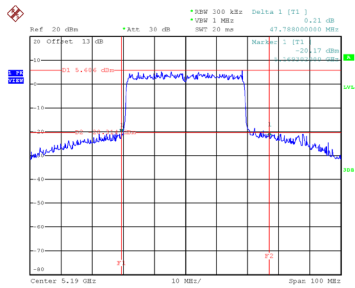


Date: 3.JAN.2024 11:18:51

Test Mode	UNII-1_TX AX(HE40) Mode
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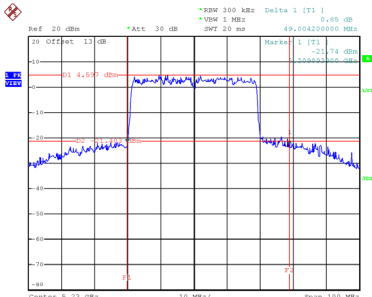
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
38	5190	47.788	38.200
46	5230	49.004	38.400

CH38



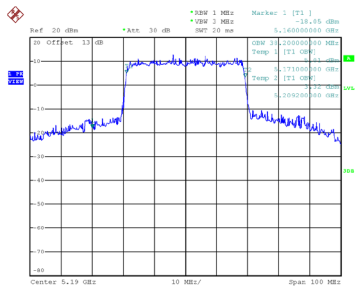
Date: 3.JAN.2024 12:15:10

CH46
26 dB Bandwidth

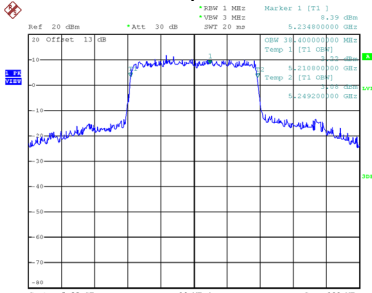


Date: 3.JAN.2024 12:19:25

99 % Occupied Bandwidth



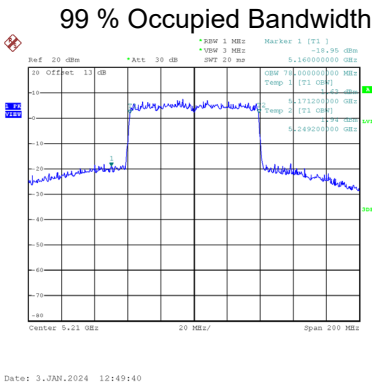
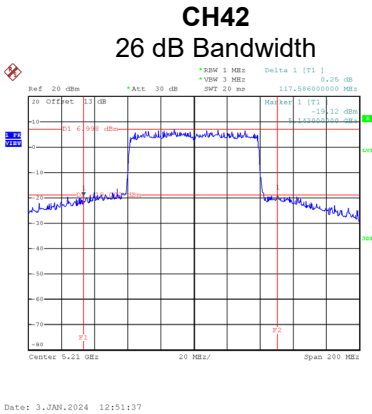
Date: 3.JAN.2024 12:13:21



Date: 3.JAN.2024 12:17:39

Test Mode	UNII-1_TX AX(HE80) Mode
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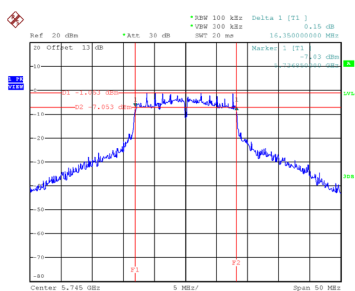
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
42	5210	117.586	78.000



Test Mode	UNII-3_TX A Mode
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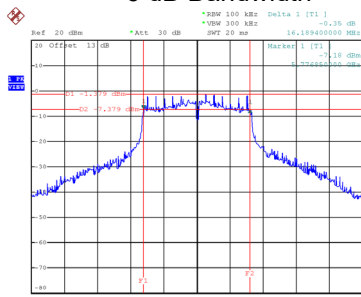
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	16.350	19.100	0.5	Complies
157	5785	16.189	19.400	0.5	Complies
165	5825	16.350	19.600	0.5	Complies

CH149



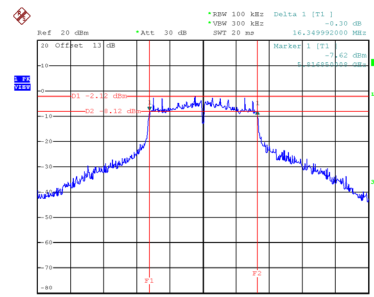
Date: 2.JAN.2024 17:56:31

CH157
6 dB Bandwidth



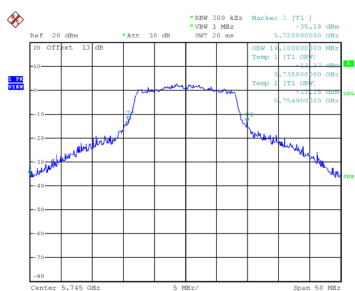
Date: 2.JAN.2024 17:58:09

CH165

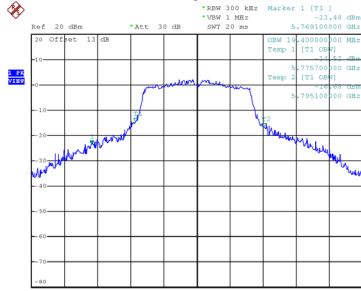


Date: 2.JAN.2024 17:59:40

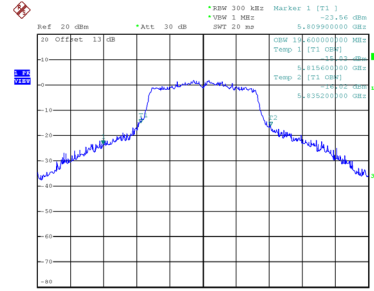
99 % Occupied Bandwidth



Date: 2.JAN.2024 17:56:03



Date: 2.JAN.2024 17:57:42

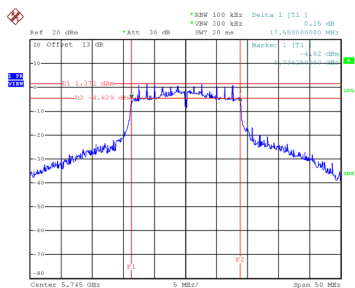


Date: 2.JAN.2024 17:59:12

Test Mode	UNII-3_TX N(HT20) Mode
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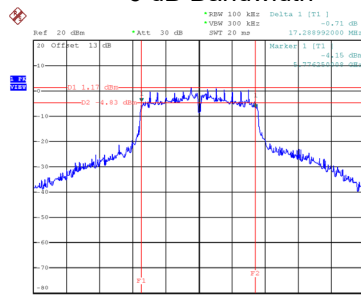
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	17.550	20.100	0.5	Complies
157	5785	17.289	20.200	0.5	Complies
165	5825	17.198	20.600	0.5	Complies

CH149



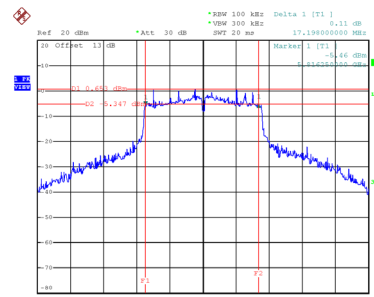
Date: 3.JAN.2024 10:31:58

CH157
6 dB Bandwidth



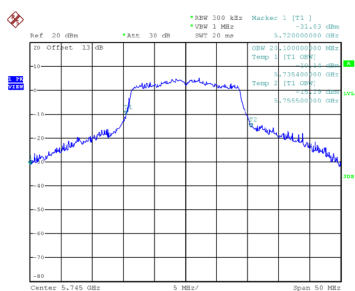
Date: 3.JAN.2024 10:33:11

CH165

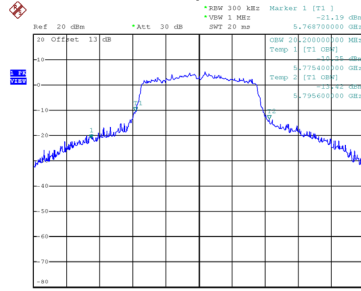


Date: 3.JAN.2024 10:37:20

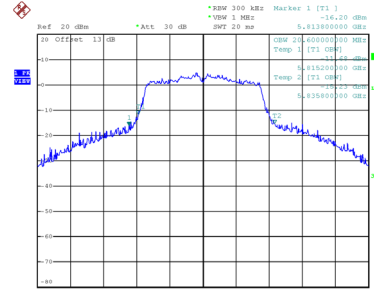
99 % Occupied Bandwidth



Date: 3.JAN.2024 10:31:31



Date: 3.JAN.2024 10:32:43

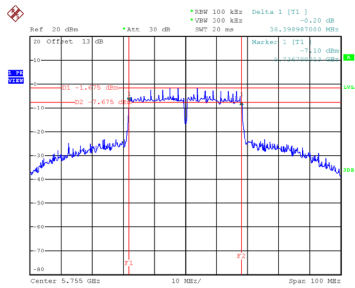


Date: 3.JAN.2024 10:36:51

Test Mode	UNII-3_TX N(HT40) Mode
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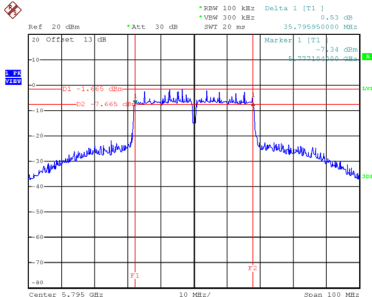
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
151	5755	36.399	51.400	0.5	Complies
159	5795	35.796	53.800	0.5	Complies

CH151



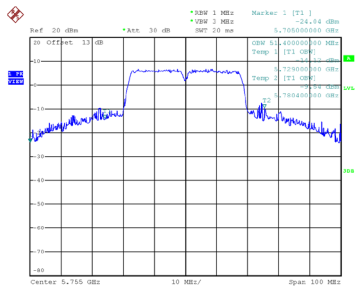
Date: 3.JAN.2024 11:47:51

CH159
6 dB Bandwidth

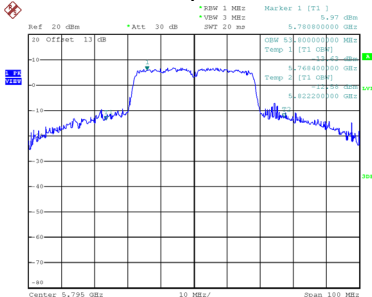


Date: 3.JAN.2024 11:51:53

99 % Occupied Bandwidth



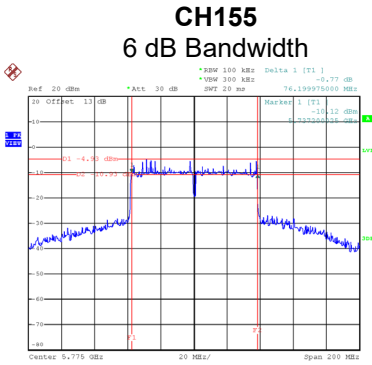
Date: 3.JAN.2024 11:47:11



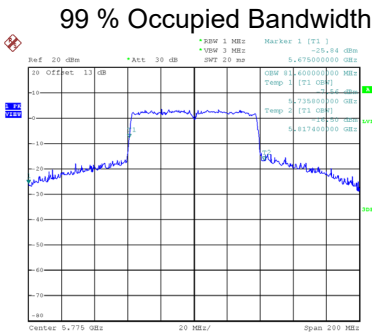
Date: 3.JAN.2024 11:51:13

Test Mode	UNII-3_TX AC(VHT80) Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
155	5775	76.200	81.600	0.5	Complies



Date: 3.JAN.2024 12:44:31



Date: 3.JAN.2024 12:43:52