

FCC Radio Test Report

FCC ID: EROTSW80

Report No.	: BTL-FCCP-4-2409T046
Equipment	: (1) 8 inch Touch Screen wall mount (2) 10.1 inch Touch Screen wall mount
Model Name	: (1) M202404001 (2) M202404002
Brand Name	: CRESTRON
Applicant	: Crestron Electronics, Inc.
Address	: 15 Volvo Drive, Rockleigh, NJ 07647
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 Procedure(s)	: ANSI C63.10-2013
Date of Receipt	: 2024/10/1
Date of Test	: 2024/10/25 ~ 2024/11/7
Issued Date	: 2024/12/9

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

Prepared by : Brett Shen
Brett Shen, Engineer

Approved by : Jerry Chuang
Jerry Chuang, Supervisor



BTL Inc.

No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan

Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: www.newbtl.com Service mail: btl_qa@newbtl.com

Declaration

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

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

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

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

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

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

Limitation

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

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

CONTENTS

REVISION HISTORY	5
1 SUMMARY OF TEST RESULTS	6
1.1 TEST FACILITY	7
1.2 MEASUREMENT UNCERTAINTY	7
1.3 TEST ENVIRONMENT CONDITIONS	7
1.4 DUTY CYCLE	8
2 GENERAL INFORMATION	10
2.1 DESCRIPTION OF EUT	10
2.2 TEST MODES	13
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	14
2.4 SUPPORT UNITS	14
3 RADIATED EMISSIONS TEST	15
3.1 LIMIT	15
3.2 TEST PROCEDURE	16
3.3 DEVIATION FROM TEST STANDARD	16
3.4 TEST SETUP	17
3.5 EUT OPERATING CONDITIONS	18
3.6 TEST RESULT – 9 KHZ TO 30 MHZ	18
3.7 TEST RESULT – 30 MHZ TO 1 GHZ	18
3.8 TEST RESULT – ABOVE 1 GHZ	18
4 BANDWIDTH TEST	19
4.1 LIMIT	19
4.2 TEST PROCEDURE	19
4.3 DEVIATION FROM TEST STANDARD	19
4.4 TEST SETUP	19
4.5 EUT OPERATING CONDITIONS	19
4.6 TEST RESULT	19
5 OUTPUT POWER TEST	20
5.1 LIMIT	20
5.2 TEST PROCEDURE	20
5.3 DEVIATION FROM TEST STANDARD	20
5.4 TEST SETUP	20
5.5 EUT OPERATING CONDITIONS	20
5.6 TEST RESULT	20
6 POWER SPECTRAL DENSITY	21
6.1 LIMIT	21
6.2 TEST PROCEDURE	21
6.3 DEVIATION FROM TEST STANDARD	21
6.4 TEST SETUP	21
6.5 EUT OPERATING CONDITIONS	21
6.6 TEST RESULT	21
7 LIST OF MEASURING EQUIPMENTS	22
8 EUT TEST PHOTO	23
9 EUT PHOTOS	23
APPENDIX A RADIATED EMISSIONS - 9 KHZ TO 30 MHZ	24
APPENDIX B RADIATED EMISSIONS - 30 MHZ TO 1 GHZ	29

APPENDIX C	RADIATED EMISSIONS - ABOVE 1 GHZ	32
APPENDIX D	BANDWIDTH	119
APPENDIX E	CONDUCTED OUTPUT POWER	138
APPENDIX F	POWER SPECTRAL DENSITY	146

REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-4-2409T046	R00	Original Report.	2024/12/9	Valid

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	-----	N/A	NOTE (4)
15.205 15.209 15.407(b)	Radiated Emissions	APPENDIX A APPENDIX B APPENDIX C	Pass	-----
15.407(a)	Bandwidth	APPENDIX D	Pass	-----
15.407(a)	Output Power	APPENDIX E	Pass	-----
15.407(a)	Power Spectral Density	APPENDIX F	Pass	-----
15.203	Antenna Requirement	-----	Pass	-----
15.407(c)	Automatically Discontinue Transmission	-----	Pass	NOTE (3)

Statement of Conformity

The statement of conformity is based on the binary decision rule according to IEC Guide 115 and ILAC G8 "simple acceptance" principle. Without considering measurement uncertainty, its specific risk is less than 50% PFA. (PFA: Probability of False Accept)

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.
- (3) The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
- (4) This is a DC input device.

1.1 TEST FACILITY

The test locations stated below are under the TAF Accreditation Number 0659.

The test location(s) used to collect the test data in this report are:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC DN: TW0659)

☐ C05 ☐ CB08 ☐ CB11 ☐ SR10 ☒ SR11

No. 72, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC DN: TW0659)

☐ C06 ☒ CB21 ☐ CB22

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 %**.

A. Radiated emissions test :

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

B. Conducted test :

Test Item	U,(dB)
Occupied Bandwidth	0.5332
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

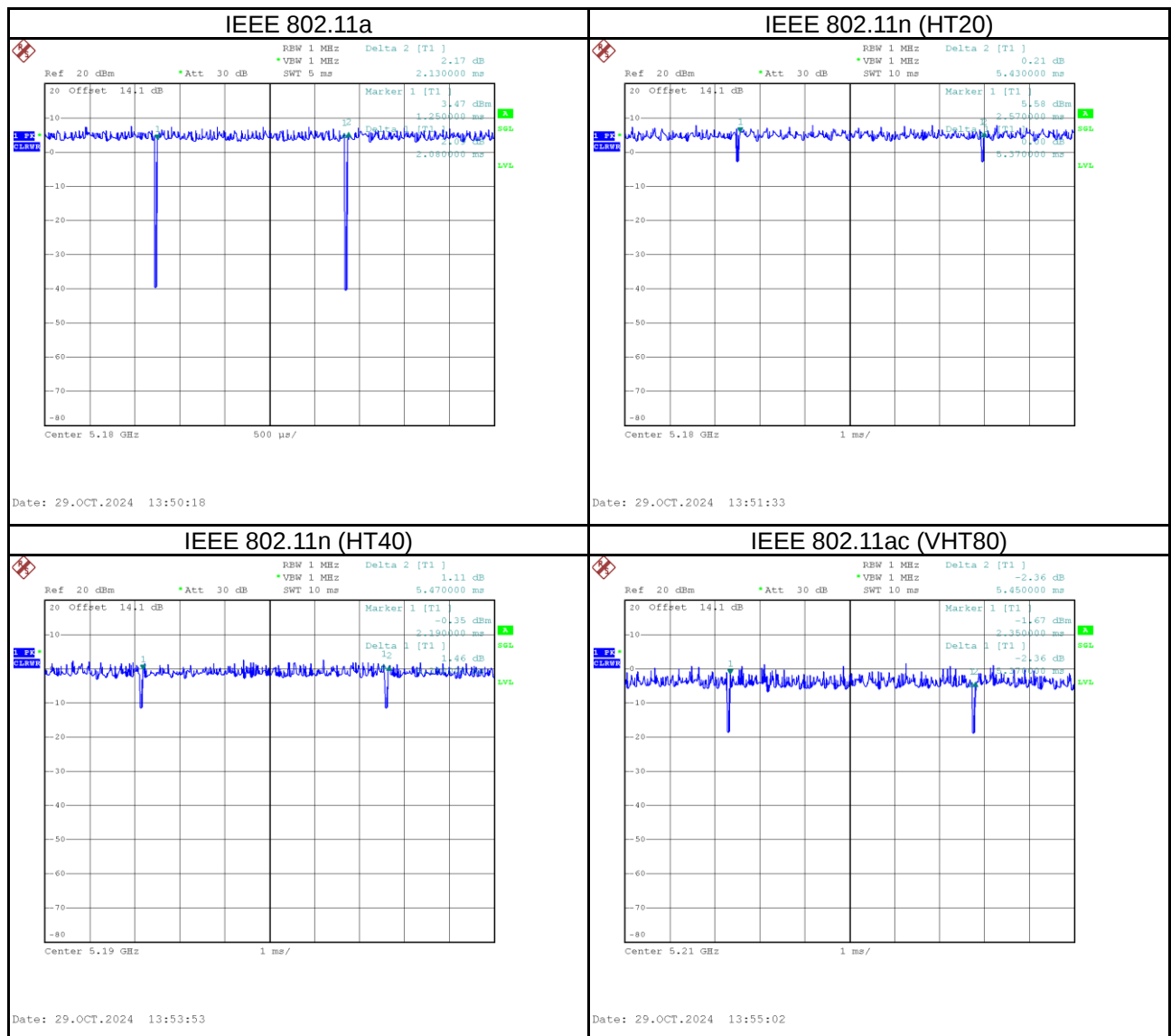
Test Item	Environment Condition	Test Voltage	Tested by
Radiated emissions below 1 GHz	Refer to data	DC 48V	Emily Chang
Radiated emissions above 1 GHz	Refer to data	DC 48V	Emily Chang
Bandwidth	24.6 °C, 42 %	DC 48V	Ken Lan
Output Power	25.6 °C, 55 %	DC 48V	Ken Lan
Power Spectral Density	24.6 °C, 42 %	DC 48V	Ken Lan

1.4 DUTY CYCLE

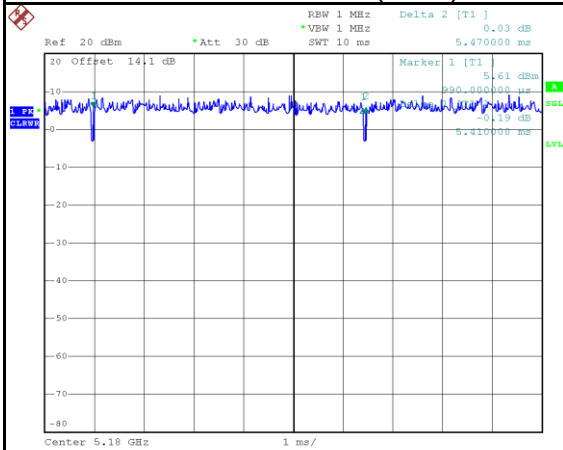
If duty cycle is $\geq 98\%$, duty factor is not required.

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

Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
IEEE 802.11a	2.080	1	2.080	2.130	97.65%	0.10
IEEE 802.11n (HT20)	5.370	1	5.370	5.430	98.90%	0.05
IEEE 802.11n (HT40)	5.350	1	5.350	5.470	97.81%	0.10
IEEE 802.11ac (VHT80)	5.370	1	5.370	5.450	98.53%	0.06
IEEE 802.11ax (HE20)	5.410	1	5.410	5.470	98.90%	0.05
IEEE 802.11ax (HE40)	5.390	1	5.390	5.450	98.90%	0.05
IEEE 802.11ax (HE80)	5.410	1	5.410	5.490	98.54%	0.06

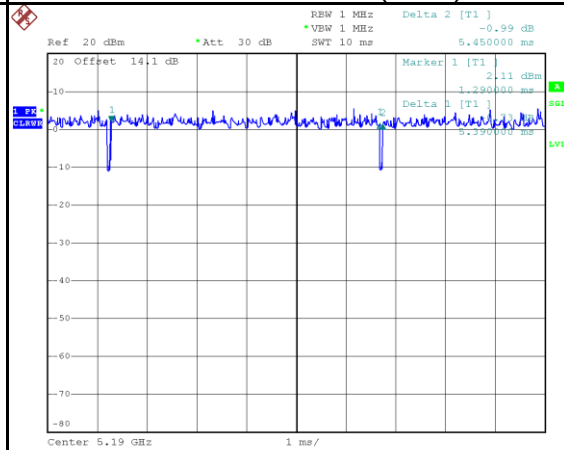


IEEE 802.11ax (HE20)



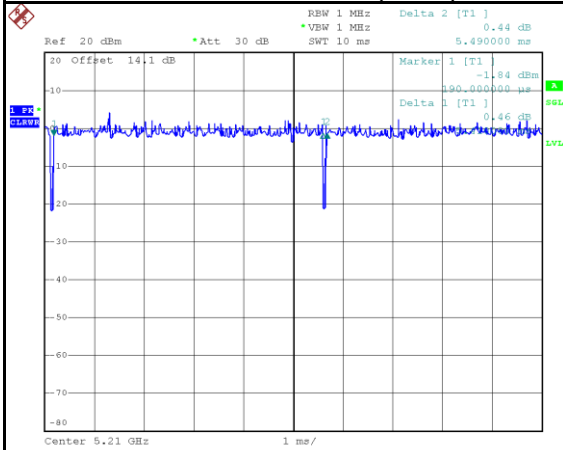
Date: 29.OCT.2024 13:56:22

IEEE 802.11ax (HE40)



Date: 29.OCT.2024 13:57:28

IEEE 802.11ax (HE80)



Date: 29.OCT.2024 13:58:53

2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	(1) 8 inch Touch Screen wall mount (2) 10.1 inch Touch Screen wall mount
Model Name	(1) M202404001 (2) M202404002
Brand Name	CRESTRON
Model Difference	M202404001: Screen size 8 Inch wall mount. M202404002: Screen size 10.1 Inch wall mount.
Power Source	DC voltage supplied from PoE.
Power Rating	Input 48 VDC 350mA (802.3at type 1) Input 48 VDC 600mA (802.3at type 2)
Products Covered	N/A
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 Technology	OFDM, OFDMA
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6 Mbps 802.11n: Up to 300 Mbps 802.11ac: Up to 866.7 Mbps 802.11ax: Up to 1201 Mbps
Output Power Max. for UNII-1	IEEE 802.11a: 13.37 dBm (0.0217 W) IEEE 802.11n (HT20): 13.73 dBm (0.0236 W) IEEE 802.11n (HT40): 15.16 dBm (0.0328 W) IEEE 802.11ac (VHT80): 15.12 dBm (0.0325 W) IEEE 802.11ax (HE20): 13.82 dBm (0.0241 W) IEEE 802.11ax (HE40): 15.14 dBm (0.0327 W) IEEE 802.11ax (HE80): 15.10 dBm (0.0323 W)
Output Power Max. for UNII-3	IEEE 802.11a: 22.91 dBm (0.1952 W) IEEE 802.11n (HT20): 22.82 dBm (0.1913 W) IEEE 802.11n (HT40): 22.62 dBm (0.1828 W) IEEE 802.11ac (VHT80): 22.36 dBm (0.1720 W) IEEE 802.11ax (HE20): 22.41 dBm (0.1743 W) IEEE 802.11ax (HE40): 22.34 dBm (0.1716 W) IEEE 802.11ax (HE80): 22.15 dBm (0.1639 W)
Test Software Version	Qualcomm Radio Control Toolkit V 4.0.00203.0
Test Model	M202404002
Sample Status	Engineering Sample
EUT Modification(s)	N/A

NOTE:

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

(2) Channel List:

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:

For Screen size 8 Inch wall mount:

Antenna	Manufacture	Part number	Type	Connector	Frequency (MHz)	Gain (dBi)
Main		1100021776	FPC	I-PEX	2412-2480	5.80
					5180	4.90
					5745-5805	4.61
					5955-6135	4.41
					6455-7015	5.06
Aux		1100018790	FPC	I-PEX	2412-2480	2.83
					5180	3.03
					5745-5805	3.02
					5955-6135	2.29
					6455-7015	5.20

For Screen size 10 Inch wall mount:

Antenna	Manufacture	Part number	Type	Connector	Frequency (MHz)	Gain (dBi)
Main		1100021776	FPC	I-PEX	2412-2480	3.05
					5180	4.09
					5745-5805	6.33
					5955-6135	5.96
					6455-7015	6.00
Aux		1100018790	FPC	I-PEX	2412-2480	0.73
					5180	3.83
					5745-5805	4.84
					5955-6135	3.47
					6455-7015	5.62

NOTE:

- (a) Antenna gain higher is used for testing.
- (b) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R).
- (c) UNII-1 Directional Gain = $10\log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20})^2 / N_{ANT}] = 7.41 \text{ dBi} > 6 \text{ dBi}$.
UNII-3 Directional Gain = $10\log [(10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20})^2 / N_{ANT}] = 8.63 \text{ dBi} > 6 \text{ dBi}$.
- (d) For Power Spectral Density:
To UNII-1,
The reduced power spectral density limits = $17 - (7.41 - 6) = 15.59$
To UNII-3,
The reduced power spectral density limits = $30 - (8.63 - 6) = 27.37$
- (e) For Output Power:
To UNII-1,
The reduced output power limits = $24 - (7.41 - 6) = 22.59$
To UNII-3,
The reduced output power limits = $30 - (8.63 - 6) = 27.37$

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

(5) Operating Mode and Antenna Configuration

Operating Mode \ TX Mode	2TX
IEEE 802.11a	V (Main +Aux)
IEEE 802.11n (HT20)	V (Main +Aux)
IEEE 802.11n (HT40)	V (Main +Aux)
IEEE 802.11ac (VHT80)	V (Main +Aux)
IEEE 802.11ax (HE20)	V (Main +Aux)
IEEE 802.11ax (HE40)	V (Main +Aux)
IEEE 802.11ax (HE80)	V (Main +Aux)

2.2 TEST MODES

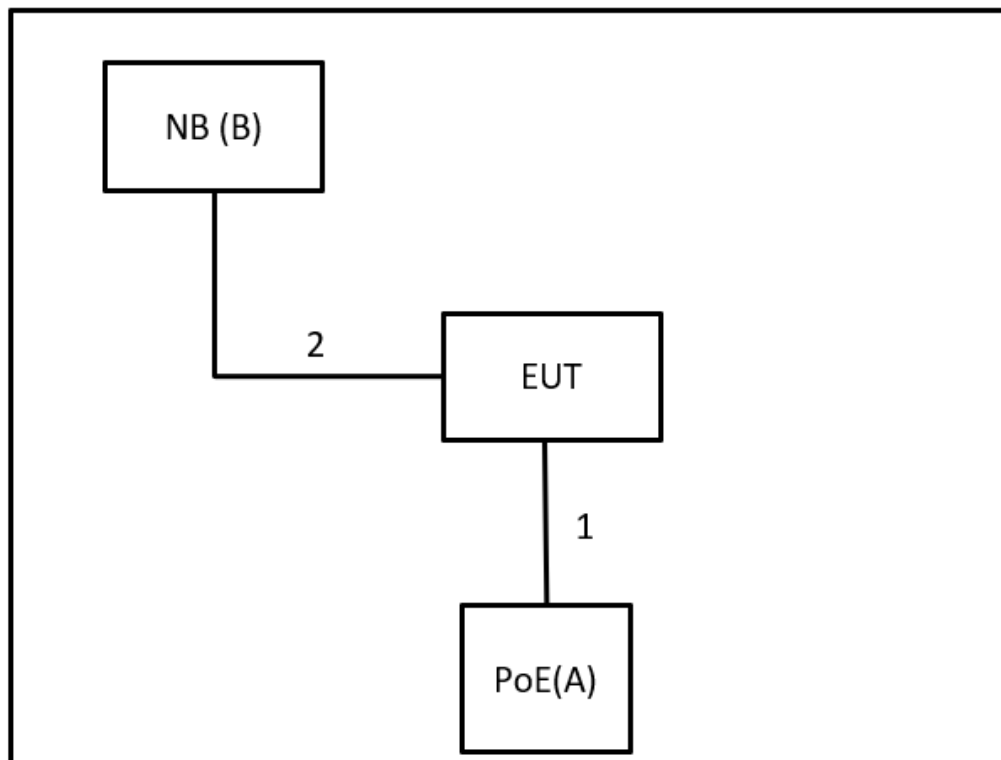
Test Items	Test mode	Channel	Note
Transmitter Radiated Emissions (below 1GHz)	TX Mode_ IEEE 802.11n (HT20)	157	-
Transmitter Radiated Emissions (above 1GHz)	TX Mode_ IEEE 802.11a	36/48, 52/64 149/165	Bandedge
	TX Mode_ IEEE 802.11n (HT20)		
	TX Mode_ IEEE 802.11ax (HE20)		
	TX Mode_ IEEE 802.11n (HT40)	38/46, 54/62	
	TX Mode_ IEEE 802.11ax (HE40)	151/159	
	TX Mode_ IEEE 802.11ac (VHT80)	42, 58	Harmonic
	TX Mode_ IEEE 802.11ax (HE80)	155	
	TX Mode_ IEEE 802.11a	36/40/48	
	TX Mode_ IEEE 802.11n (HT20)	52/60/64	
	TX Mode_ IEEE 802.11ax (HE20)	149/157/165	
	TX Mode_ IEEE 802.11n (HT40)	38/46, 54/62	
	TX Mode_ IEEE 802.11ax (HE40)	151/159	
	TX Mode_ IEEE 802.11ac (VHT80)	42, 58	
	TX Mode_ IEEE 802.11ax (HE80)	155	
Transmitter Radiated Emissions (above 18GHz)	TX Mode_ IEEE 802.11n (HT20)	157	-
Bandwidth & Power Spectral Density & Output Power	TX Mode_ IEEE 802.11a	36/40/48	-
	TX Mode_ IEEE 802.11n (HT20)	52/60/64	
	TX Mode_ IEEE 802.11ax (HE20)	149/157/165	
	TX Mode_ IEEE 802.11n (HT40)	38/46, 54/62	
	TX Mode_ IEEE 802.11ax (HE40)	151/159	
	TX Mode_ IEEE 802.11ac (VHT80)	42, 58	
	TX Mode_ IEEE 802.11ax (HE80)	155	

NOTE:

- (1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Vertical) is recorded.
- (2) All X, Y and Z axes are evaluated, but only the worst case (Z axis) is recorded.
- (3) IEEE 802.11n (HT20) & IEEE 802.11n (HT40) mode is worse than IEEE 802.11ac (VHT20) & IEEE 802.11ac (VHT 40) mode, so we select IEEE 802.11n (HT20) & IEEE 802.11n (HT40) mode for the test.
- (4) For IEEE 802.11ax modes, refer to TCB Workshop presentations on October 3, 2018, after evaluated, all testing are performed under fully loaded conditions (Full RU). In the test data, only the partially loaded conditions data are marked with tones.

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.



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	PoE	Crestron	CEN-SWPOE-16	N/A	Supplied by test requester
B	NB	dynabook	Portege-X40 G	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	3m	Lan	Supplied by test requester
2	N/A	N/A	1m	Type C TO USB 3.1	Furnished by test lab.

3 RADIATED EMISSIONS TEST

3.1 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 (dBμV)		Correct Factor (dB/m)		Measurement Value (dBμV/m)
36.23	+	-11.97	=	24.26

Measurement Value (dBμV/m)		Limit Value (dBμV/m)		Margin Level (dB)
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

3.2 TEST PROCEDURE

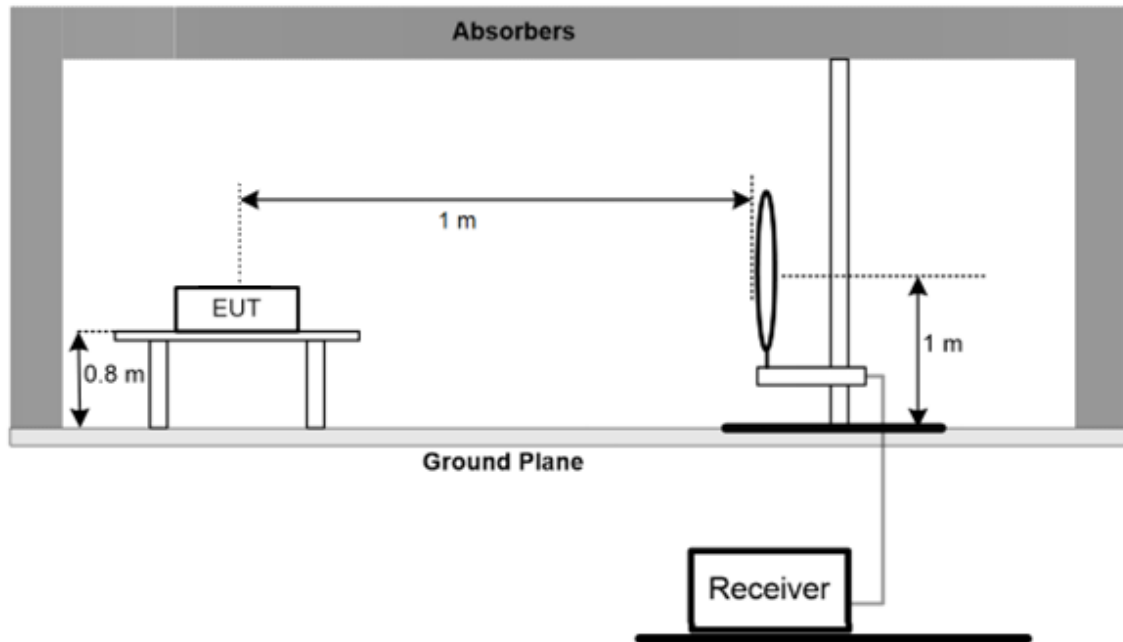
- The measuring distance of 1 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 30MHz)
- The measuring distance 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.

3.3 DEVIATION FROM TEST STANDARD

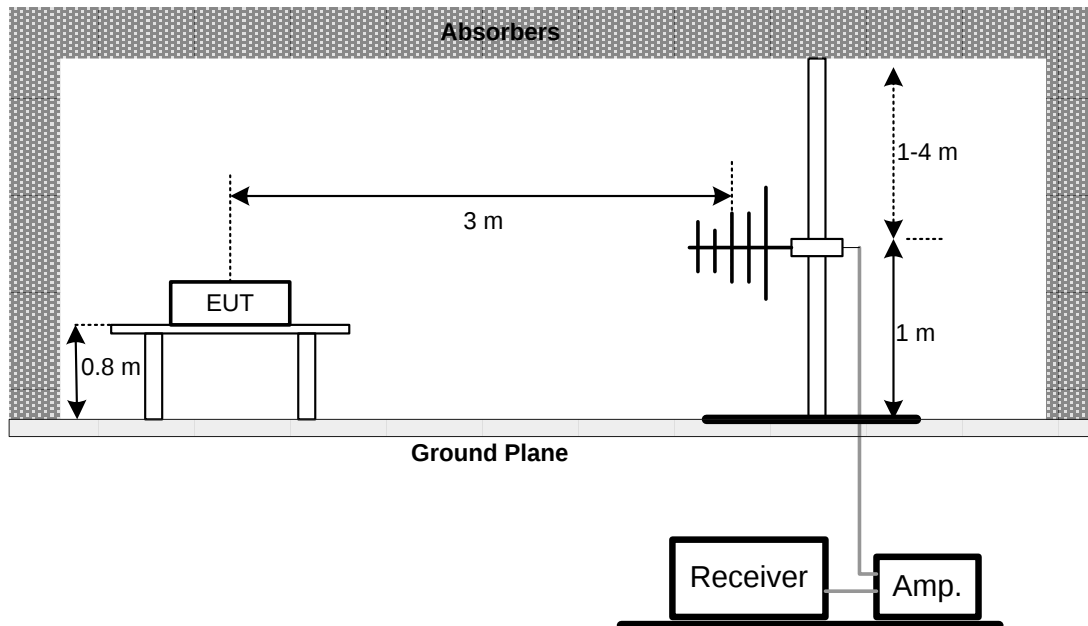
No deviation.

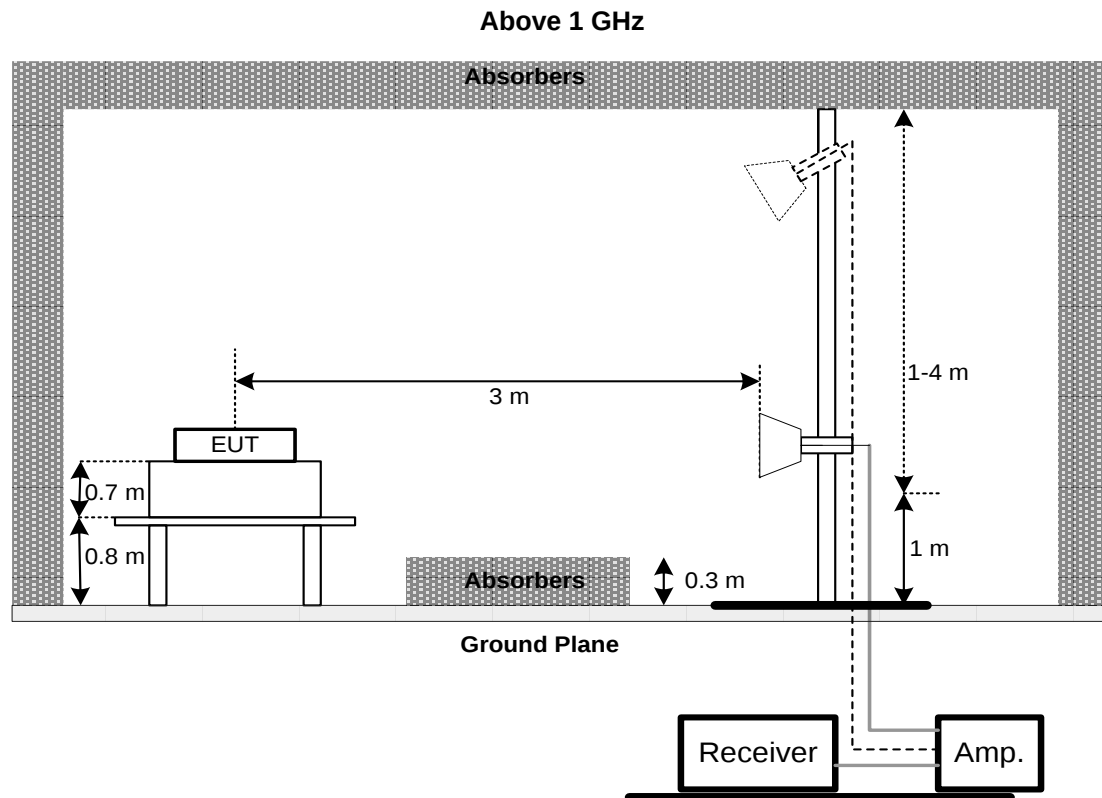
3.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz





3.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULT – 9 KHZ TO 30 MHZ

Please refer to the APPENDIX A.

3.7 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX B.

3.8 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX C.

NOTE:

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

4 BANDWIDTH TEST

4.1 LIMIT

Section	Test Item	Frequency Range (MHz)
15.407(a)	26 dB Bandwidth	5150-5250
		5250-5350
		5470-5725
	Minimum 500 kHz 6 dB Bandwidth	5725-5850

4.2 TEST PROCEDURE

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

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> 26 dB Bandwidth
RBW	300 kHz(Bandwidth 20 MHz) 1 MHz(Bandwidth 40 MHz and 80 MHz)
VBW	1 MHz(Bandwidth 20 MHz) 3 MHz(Bandwidth 40 MHz and 80 MHz)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT

Please refer to the APPENDIX D.

5 OUTPUT POWER TEST

5.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Maximum Output Power	Fixed:1 Watt (30 dBm) Mobile and portable: 250 mW (24 dBm)	5150-5250
		250 mW (24 dBm)	5250-5350
			5470-5725
		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).

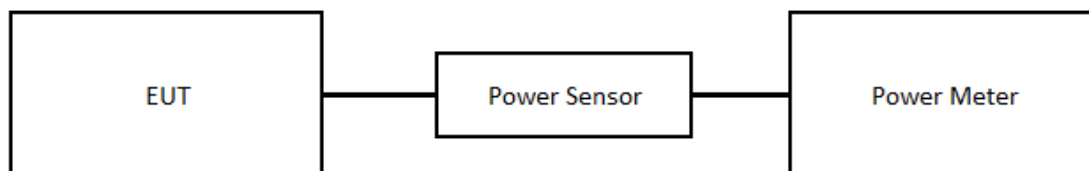
5.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- The maximum peak conducted output power was performed in accordance with method of clause E. 3. a) FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
 - Method PM (Measurement using an RF average power meter):
 - 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.
 - If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
 - Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
 - 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%).

5.3 DEVIATION FROM TEST STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULT

Please refer to the APPENDIX E.

6 POWER SPECTRAL DENSITY

6.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	Other than Mobile and portable: 17 dBm/MHz	5150-5250
		Mobile and portable: 11 dBm/MHz	
		11 dBm/MHz	5250-5350
		30 dBm/500 kHz	5470-5725
			5725-5850

6.2 TEST PROCEDURE

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

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1 MHz
VBW	≥ 3 MHz
Detector	RMS
Trace	Max Hold
Sweep Time	Auto

6.3 DEVIATION FROM TEST STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULT

Please refer to the APPENDIX F.

7 LIST OF MEASURING EQUIPMENTS

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC330N	980850	2024/9/5	2025/9/4
2	Preamplifier	EMCI	EMC118A45SE	980819	2024/3/6	2025/3/5
3	Pre-Amplifier	EMCI	EMC184045SE	980907	2024/9/4	2025/9/3
4	Preamplifier	EMCI	EMC001340	980579	2024/9/4	2025/9/3
5	Test Cable	EMCI	EMC104-SM-1000	180809	2024/3/8	2025/3/7
6	Test Cable	EMCI	EMC104-SM-SM-3000	220322	2024/3/8	2025/3/7
7	Test Cable	EMCI	EMC104-SM-SM-7000	220324	2024/3/8	2025/3/7
8	EXA Signal Analyzer	keysight	N9020B	MY57120120	2024/2/23	2025/2/22
9	Loop Ant	Electro-Metrics	EMCI-LPA600	291	2024/9/9	2025/9/8
10	Horn Antenna	RFSPIN	DRH18-E	211202A18EN	2024/5/9	2025/5/8
11	Horn Ant	Schwarzbeck	BBHA 9170D	1136	2024/5/17	2025/5/16
12	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2024/6/14	2025/6/13
13	6dB Attenuator	EMCI	EMCI-N-6-06	AT-06001	2024/6/14	2025/6/13
14	Test Cable	EMCI	EMC101G-KM-KM-3000	220329	2024/3/13	2025/3/12
15	Test Cable	EMCI	EMC102-KM-KM-1000	220327	2024/3/13	2025/3/12
16	Measurement Software	EZ	EZ EMC (Version NB-03A1-01)	N/A	N/A	N/A

Bandwidth						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2024/3/27	2025/3/26

Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Power Meter	Anritsu	ML2495A	1128008	2024/5/11	2025/5/10
2	Power Sensor	Anritsu	MA2411B	1126001	2024/5/11	2025/5/10

Power Spectral Density						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	100129	2024/3/27	2025/3/26

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

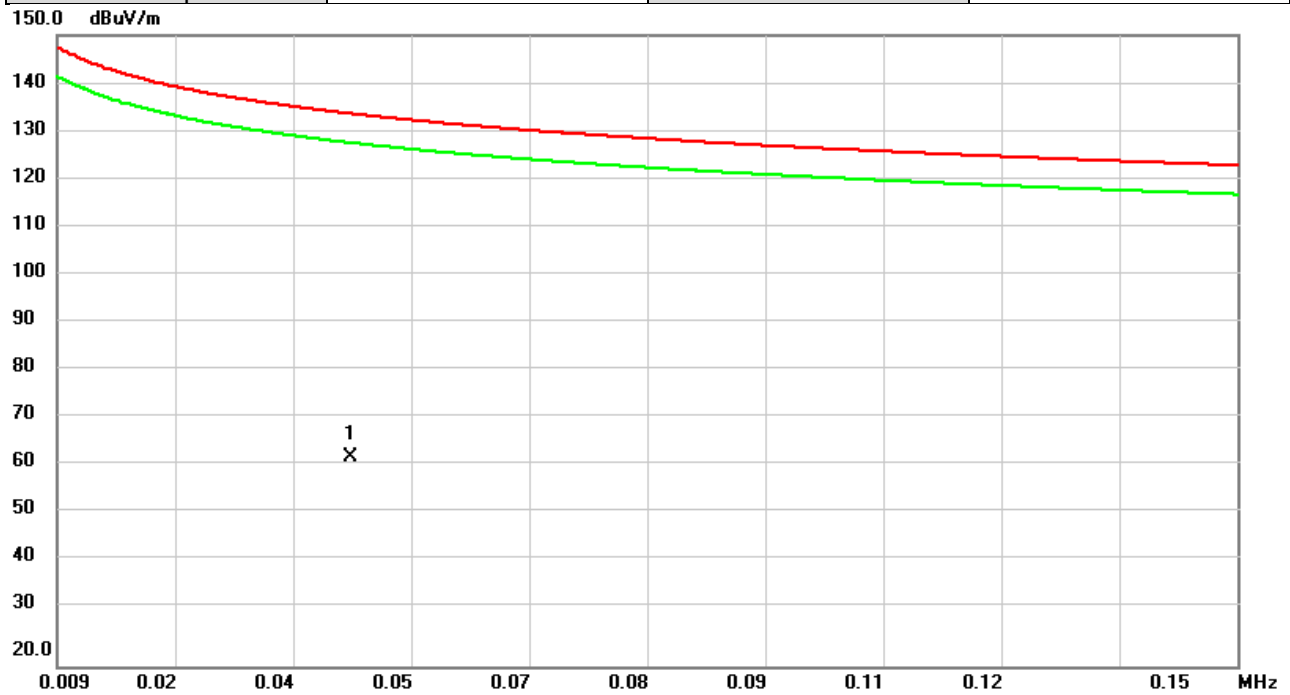
Please refer to document Appendix No.: TP-2409T046-FCCP-1 (APPENDIX-TEST PHOTOS).

9 EUT PHOTOS

Please refer to document Appendix No.: EP-2409T046-1 (APPENDIX-EUT PHOTOS).

APPENDIX A RADIATED EMISSIONS - 9 KHZ TO 30 MHZ

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/11/5
Test Frequency	5785MHz	Polarization	Vertical
Temp	21°C	Hum.	57%

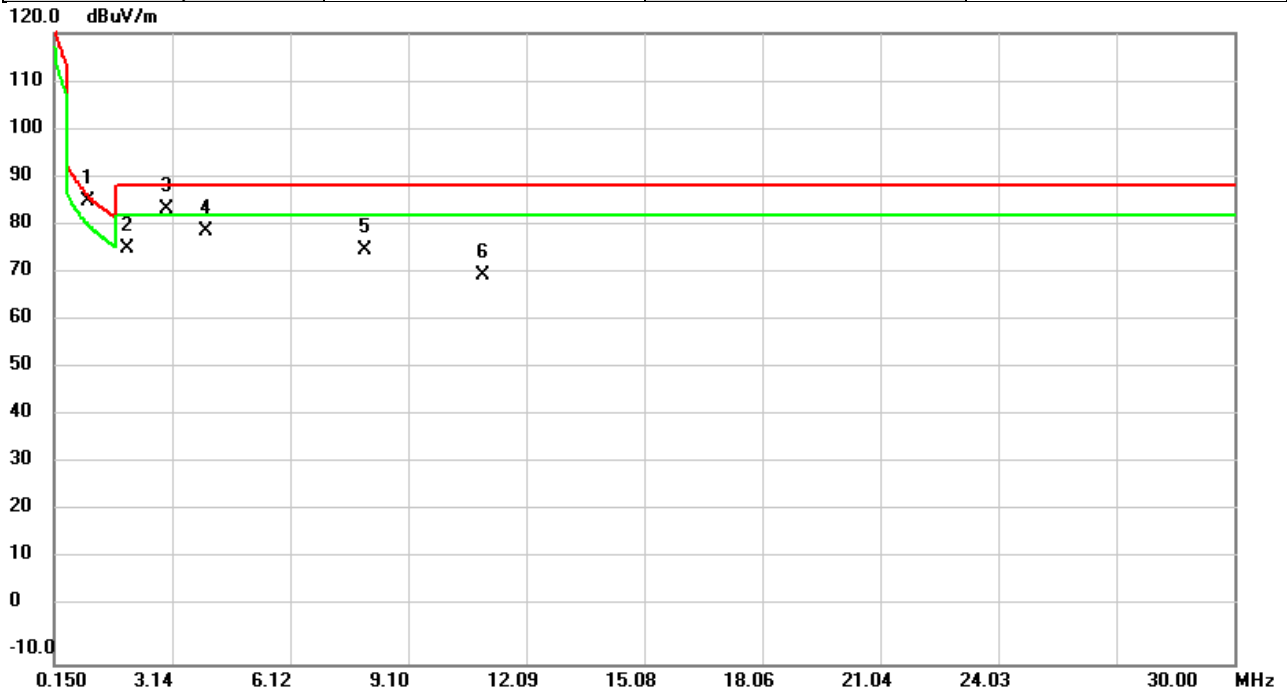


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0441	38.25	24.77	63.02	133.80	-70.78	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/11/5
Test Frequency	5785MHz	Polarization	Vertical
Temp	21°C	Hum.	57%

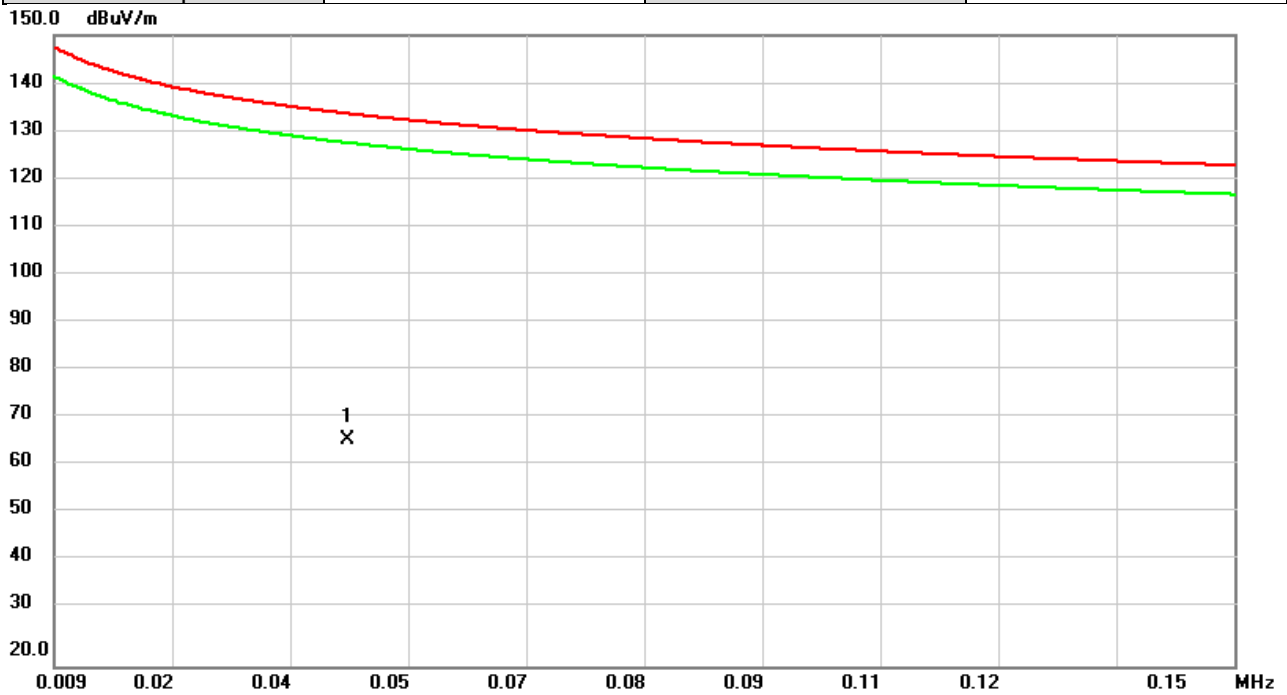


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.9997	85.32	0.22	85.54	86.68	-1.14	QP	
2		1.9997	77.43	-1.77	75.66	88.62	-12.96	QP	
3	!	3.0005	87.45	-3.77	83.68	88.62	-4.94	QP	
4		3.9996	83.25	-4.08	79.17	88.62	-9.45	QP	
5		8.0004	79.04	-3.57	75.47	88.62	-13.15	QP	
6		11.0004	73.33	-3.11	70.22	88.62	-18.40	QP	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/11/5
Test Frequency	5785MHz	Polarization	Horizontal
Temp	21°C	Hum.	57%

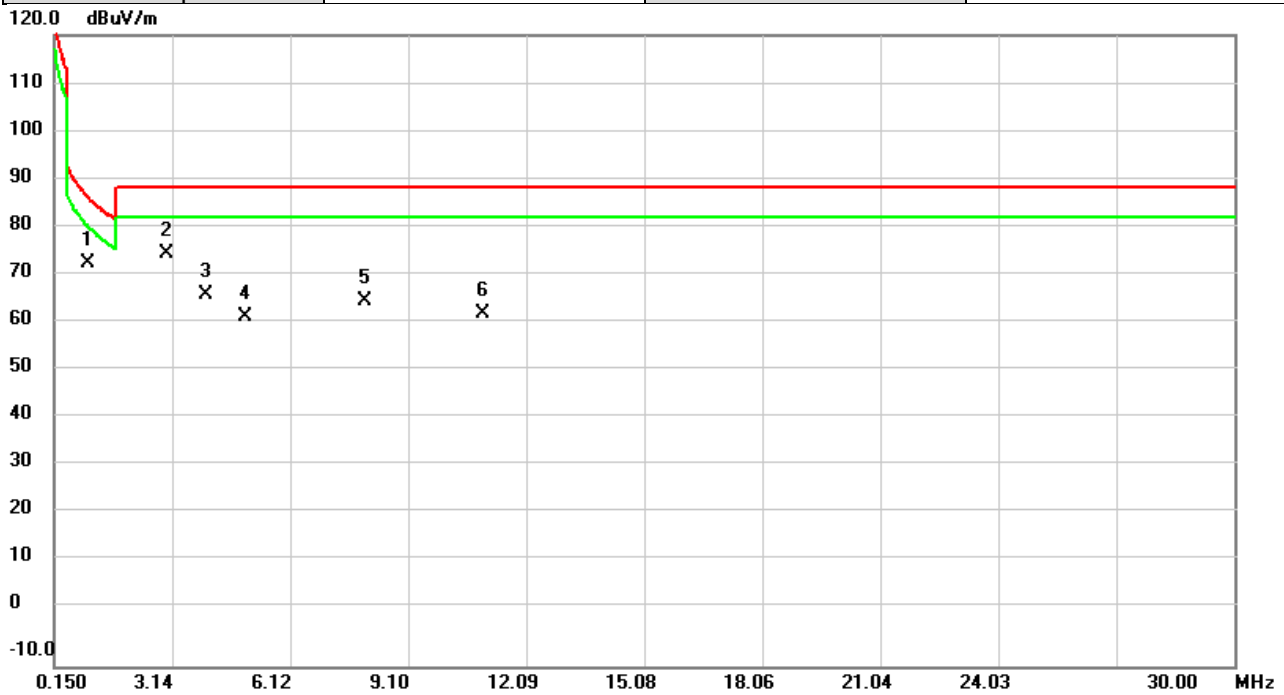


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0441	42.01	24.77	66.78	133.80	-67.02	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/11/5
Test Frequency	5785MHz	Polarization	Horizontal
Temp	21°C	Hum.	57%



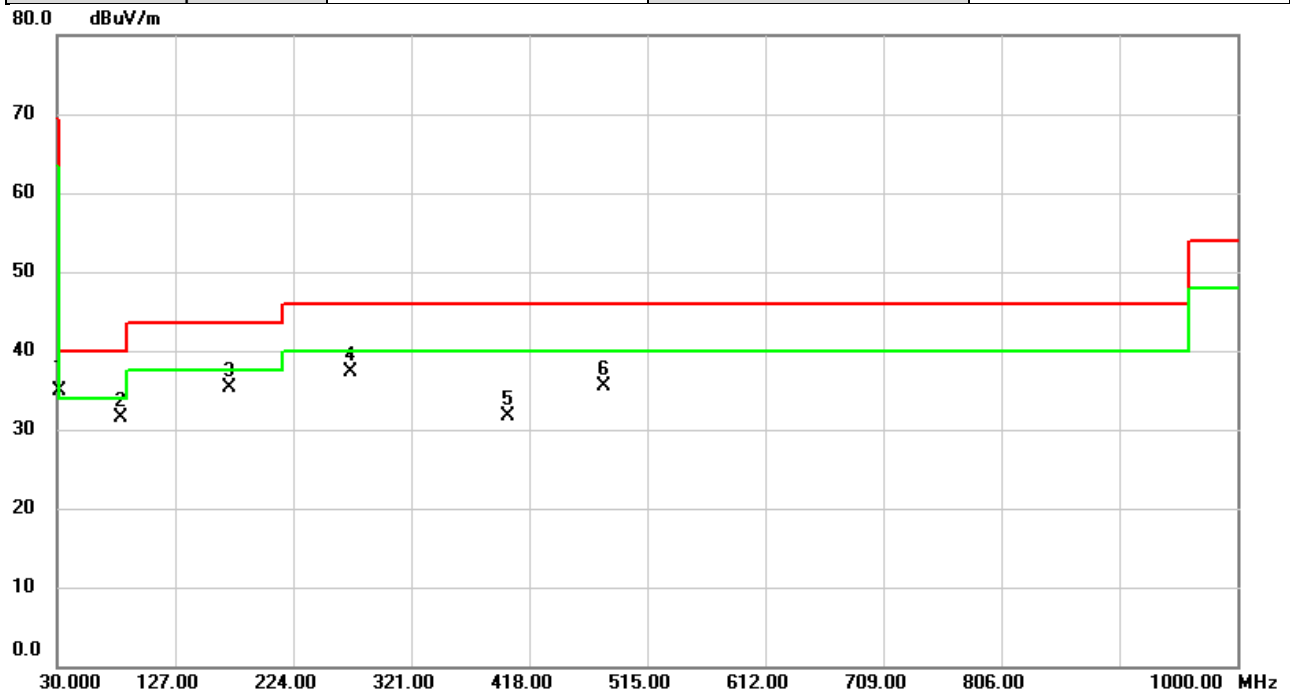
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.9997	72.88	0.22	73.10	86.68	-13.58	QP	
2		2.9996	78.62	-3.77	74.85	88.62	-13.77	QP	
3		3.9996	70.70	-4.08	66.62	88.62	-22.00	QP	
4		4.9995	66.37	-4.40	61.97	88.62	-26.65	QP	
5		8.0004	68.92	-3.57	65.35	88.62	-23.27	QP	
6		11.0004	65.64	-3.11	62.53	88.62	-26.09	QP	

REMARKS:

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

APPENDIX B RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/11/4
Test Frequency	5785MHz	Polarization	Vertical
Temp	22°C	Hum.	62%

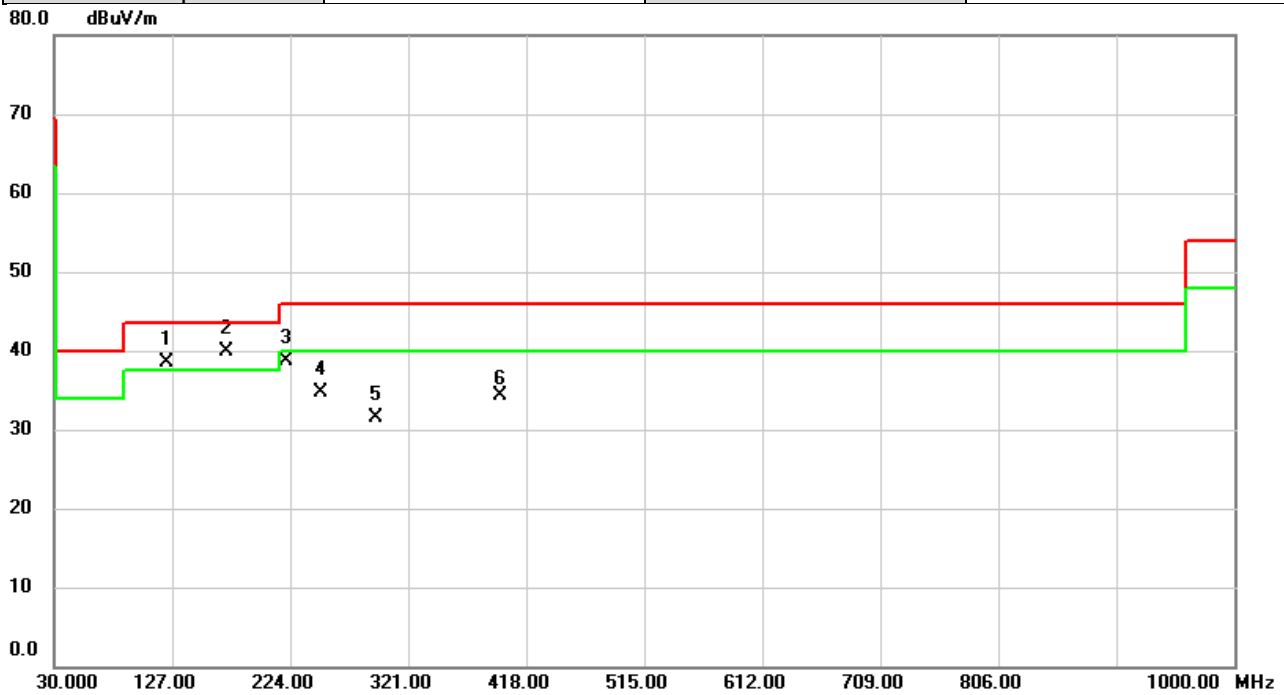


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	31.8753	48.02	-13.20	34.82	40.00	-5.18	QP	
2		82.2507	48.70	-17.20	31.50	40.00	-8.50	peak	
3		172.0403	48.00	-12.73	35.27	43.50	-8.23	peak	
4		270.9480	49.80	-12.40	37.40	46.00	-8.60	peak	
5		399.9903	40.75	-8.97	31.78	46.00	-14.22	peak	
6		479.9507	42.44	-6.91	35.53	46.00	-10.47	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/11/4
Test Frequency	5785MHz	Polarization	Horizontal
Temp	22°C	Hum.	62%



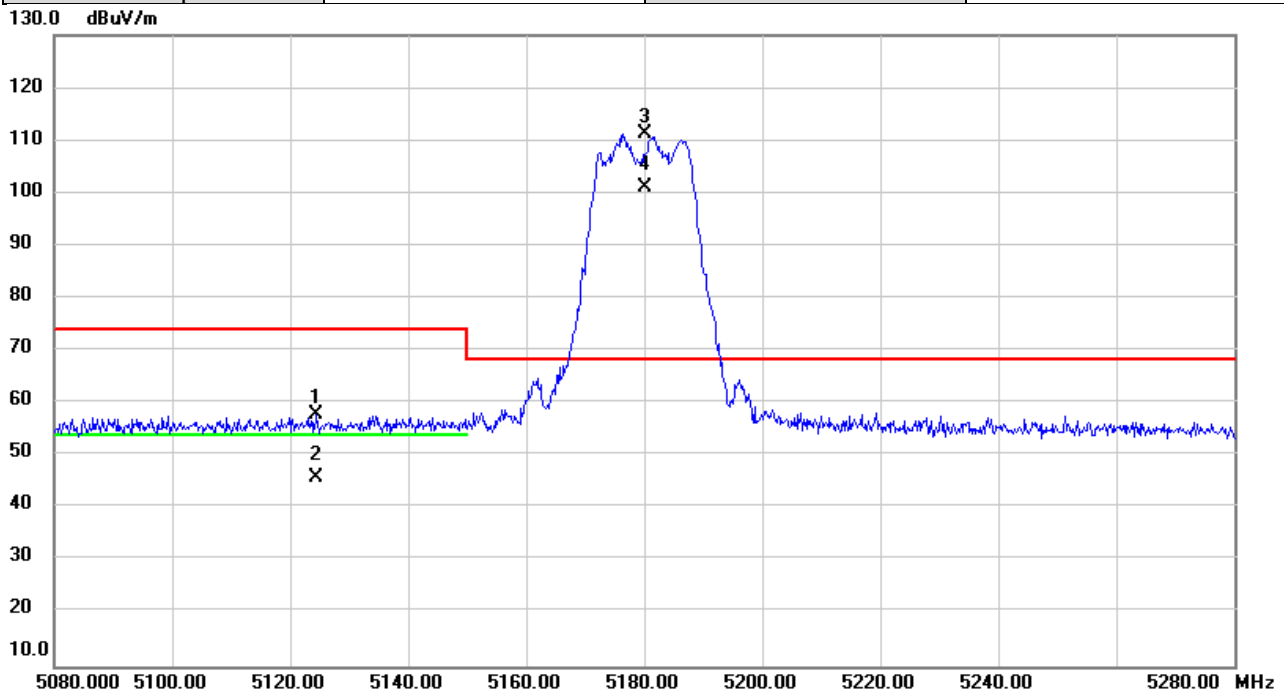
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	122.8936	52.70	-14.18	38.52	43.50	-4.98	QP	
2	*	172.0403	52.60	-12.73	39.87	43.50	-3.63	QP	
3		221.2193	54.07	-15.34	38.73	46.00	-7.27	QP	
4		249.2523	47.96	-13.27	34.69	46.00	-11.31	QP	
5		294.7776	43.11	-11.54	31.57	46.00	-14.43	QP	
6		397.2420	43.32	-9.05	34.27	46.00	-11.73	peak	

REMARKS:

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

APPENDIX C RADIATED EMISSIONS - ABOVE 1 GHZ

Test Mode	IEEE 802.11a	Test Date	2024/10/29
Test Frequency	5180MHz	Polarization	Vertical
Temp	22°C	Hum.	65%



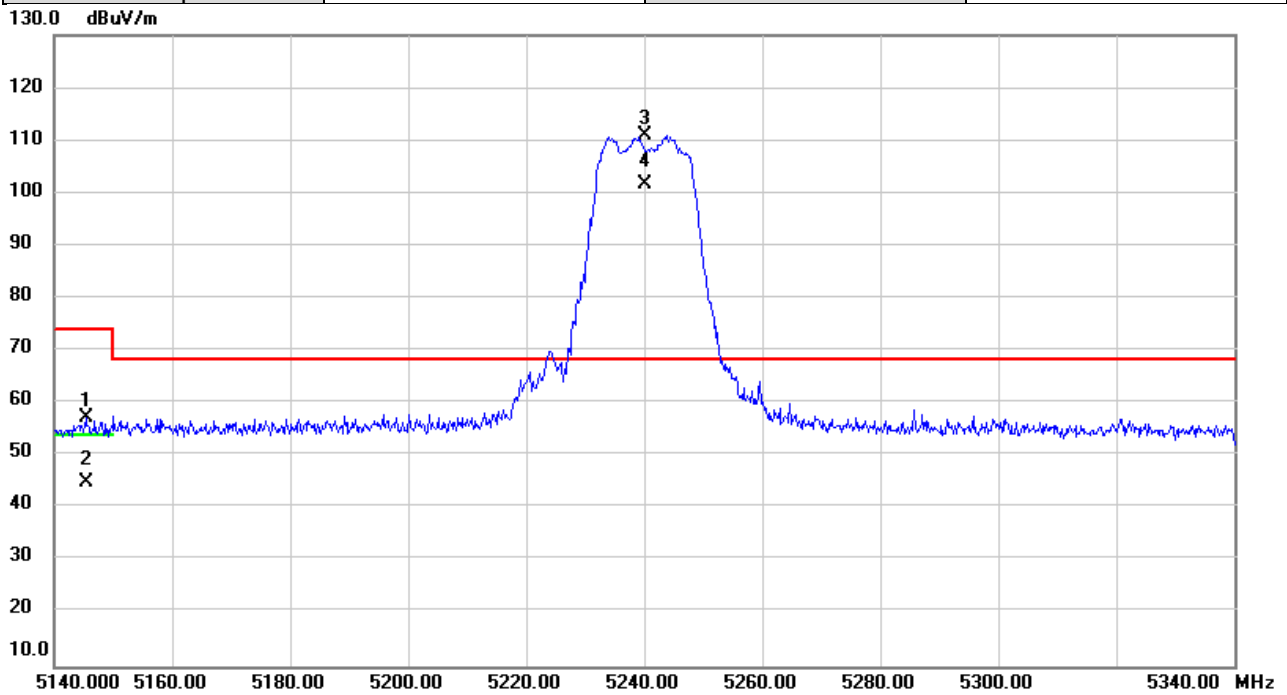
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5124.413	56.51	1.37	57.88	74.00	-16.12	peak	
2		5124.413	44.43	1.37	45.80	54.00	-8.20	AVG	
3	*	5180.000	109.85	1.39	111.24	68.20	43.04	peak	NoLimit
4	X	5180.000	99.81	1.39	101.20	68.20	33.00	AVG	NoLimit

REMARKS:

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

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

Test Mode	IEEE 802.11a	Test Date	2024/10/29
Test Frequency	5240MHz	Polarization	Vertical
Temp	22°C	Hum.	65%



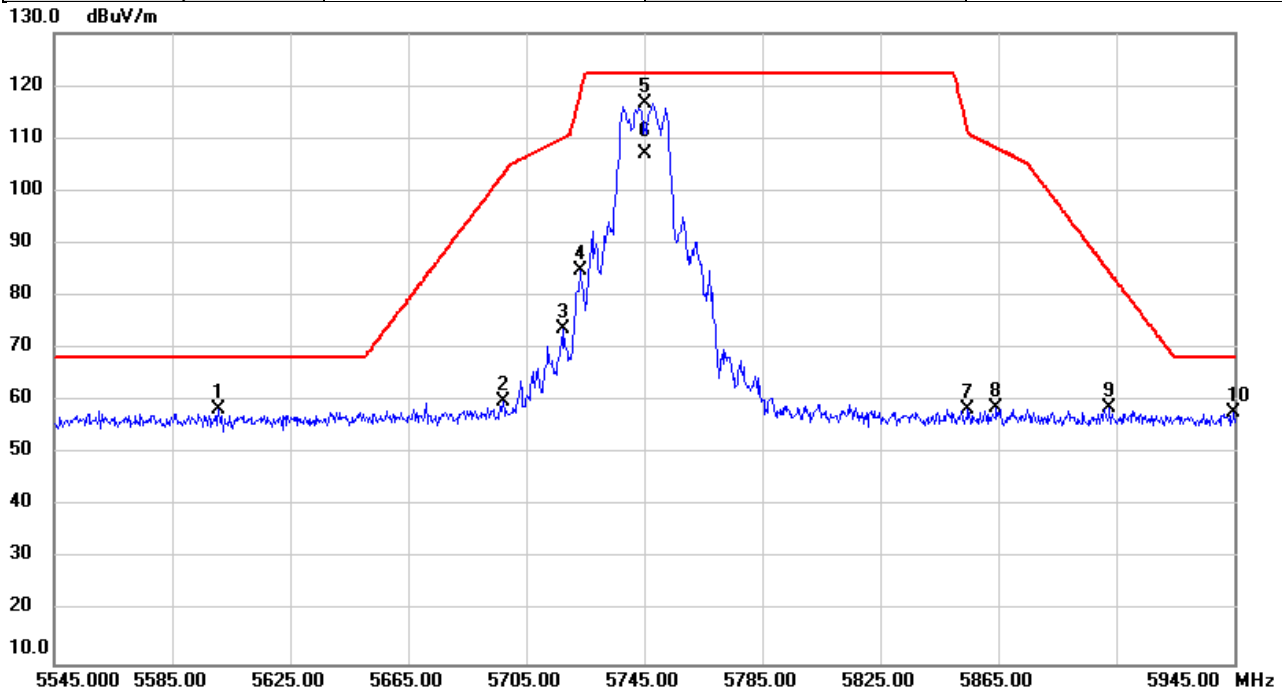
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5145.380	55.81	1.37	57.18	74.00	-16.82	peak	
2		5145.380	43.64	1.37	45.01	54.00	-8.99	AVG	
3	*	5240.000	109.58	1.43	111.01	68.20	42.81	peak	NoLimit
4	X	5240.000	100.17	1.43	101.60	68.20	33.40	AVG	NoLimit

REMARKS:

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

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

Test Mode	IEEE 802.11a	Test Date	2024/10/29
Test Frequency	5745MHz	Polarization	Vertical
Temp	22°C	Hum.	65%

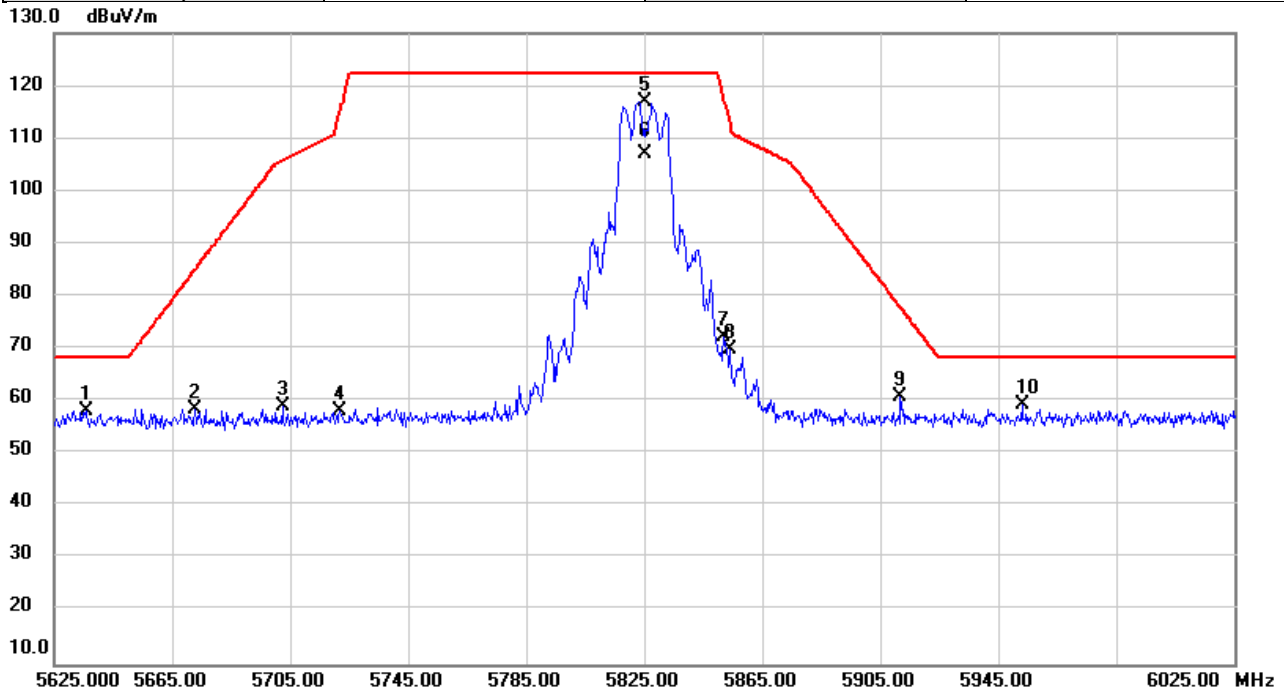


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5600.760	56.63	1.90	58.53	68.20	-9.67	peak	
2		5697.200	57.72	2.23	59.95	103.14	-43.19	peak	
3		5717.533	71.45	2.30	73.75	110.11	-36.36	peak	
4		5723.253	82.46	2.31	84.77	118.22	-33.45	peak	
5	*	5745.000	114.40	2.38	116.78	122.20	-5.42	peak	NoLimit
6		5745.000	104.66	2.38	107.04	122.20	-15.16	AVG	NoLimit
7		5854.653	55.71	2.74	58.45	111.59	-53.14	peak	
8		5864.413	55.88	2.77	58.65	108.16	-49.51	peak	
9		5902.680	55.98	2.91	58.89	84.68	-25.79	peak	
10		5944.813	54.73	3.04	57.77	68.20	-10.43	peak	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/29
Test Frequency	5825MHz	Polarization	Vertical
Temp	22°C	Hum.	65%



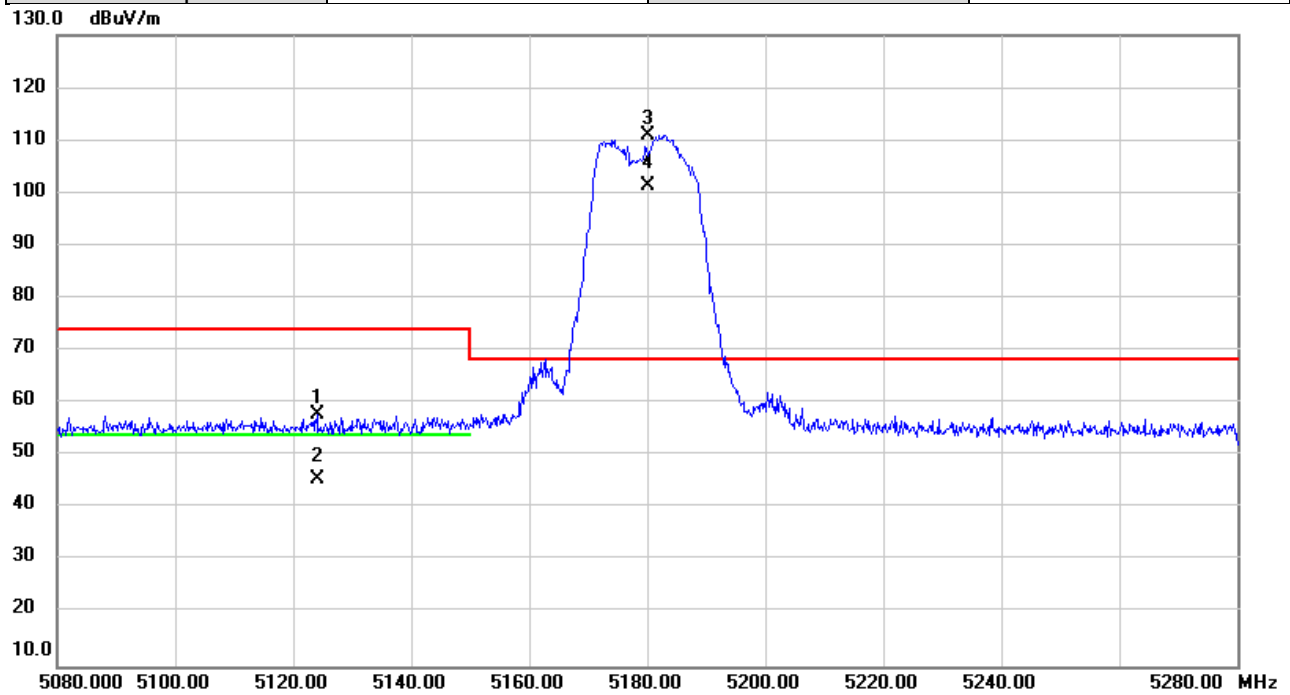
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		5635.720	56.24	2.03	58.27	68.20	-9.93	peak	
2		5672.933	56.40	2.15	58.55	85.21	-26.66	peak	
3		5702.400	56.93	2.25	59.18	105.87	-46.69	peak	
4		5721.867	55.93	2.31	58.24	115.06	-56.82	peak	
5	*	5825.000	114.30	2.65	116.95	122.20	-5.25	peak	NoLimit
6		5825.000	104.30	2.65	106.95	122.20	-15.25	AVG	NoLimit
7		5852.187	69.65	2.73	72.38	117.21	-44.83	peak	
8		5853.933	67.01	2.74	69.75	113.23	-43.48	peak	
9		5911.920	57.78	2.94	60.72	77.85	-17.13	peak	
10		5953.147	56.30	3.07	59.37	68.20	-8.83	peak	

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/29
Test Frequency	5180MHz	Polarization	Vertical
Temp	22°C	Hum.	65%

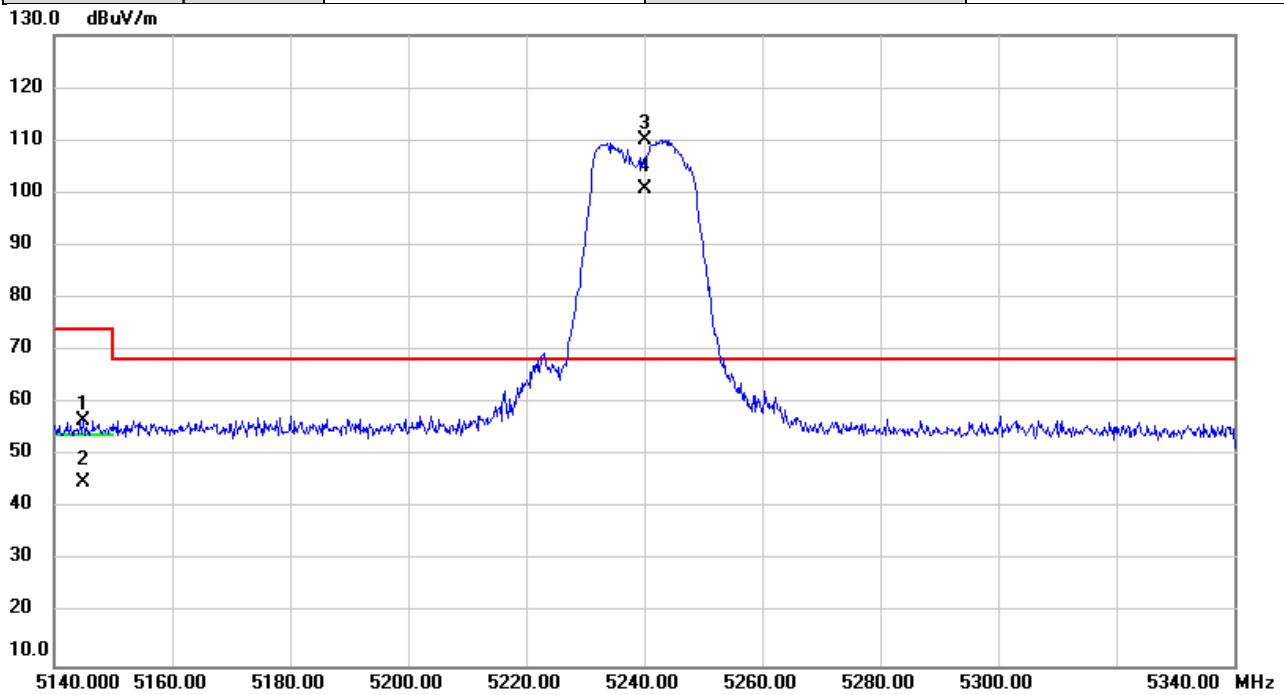


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5124.013	56.45	1.37	57.82	74.00	-16.18	peak	
2		5124.013	44.10	1.37	45.47	54.00	-8.53	AVG	
3	*	5180.000	109.65	1.39	111.04	68.20	42.84	peak	NoLimit
4	X	5180.000	99.96	1.39	101.35	68.20	33.15	AVG	NoLimit

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/29
Test Frequency	5240MHz	Polarization	Vertical
Temp	22°C	Hum.	65%



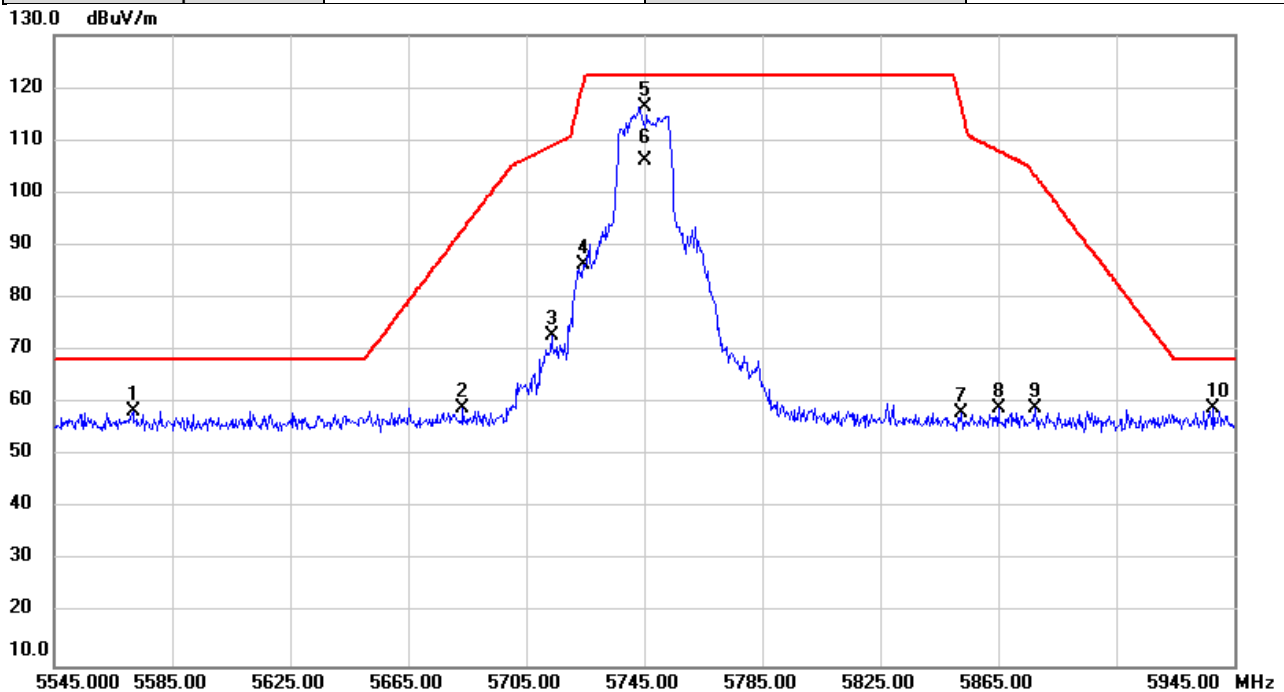
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5144.900	55.43	1.37	56.80	74.00	-17.20	peak	
2		5144.900	43.69	1.37	45.06	54.00	-8.94	AVG	
3	*	5240.000	108.67	1.43	110.10	68.20	41.90	peak	NoLimit
4	X	5240.000	99.32	1.43	100.75	68.20	32.55	AVG	NoLimit

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5745MHz	Polarization	Vertical
Temp	21°C	Hum.	52%



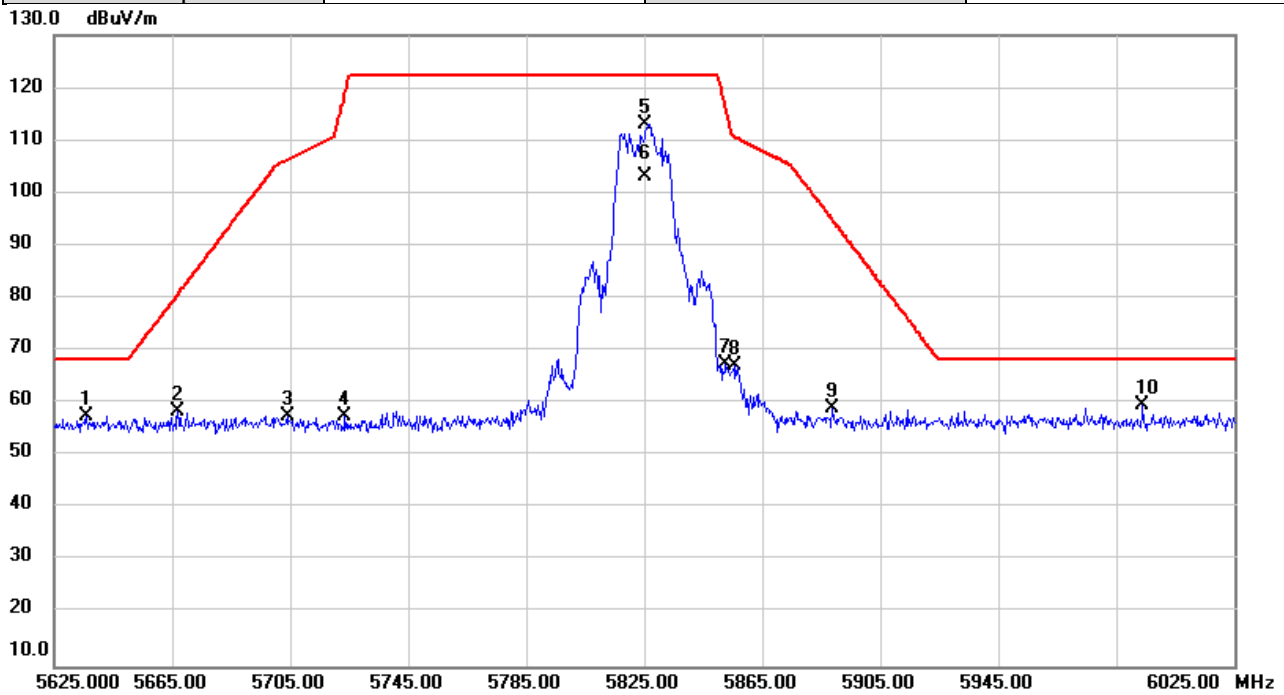
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5572.133	56.67	1.82	58.49	68.20	-9.71	peak	
2		5683.600	56.89	2.18	59.07	93.10	-34.03	peak	
3		5713.680	70.60	2.28	72.88	109.03	-36.15	peak	
4		5724.400	84.11	2.31	86.42	120.83	-34.41	peak	
5	*	5745.000	114.06	2.38	116.44	122.20	-5.76	peak	NoLimit
6		5745.000	103.69	2.38	106.07	122.20	-16.13	AVG	NoLimit
7		5852.413	55.34	2.74	58.08	116.70	-58.62	peak	
8		5865.333	56.14	2.77	58.91	107.90	-48.99	peak	
9		5877.747	56.13	2.82	58.95	103.16	-44.21	peak	
10		5937.867	55.98	3.02	59.00	68.20	-9.20	peak	

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5825MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

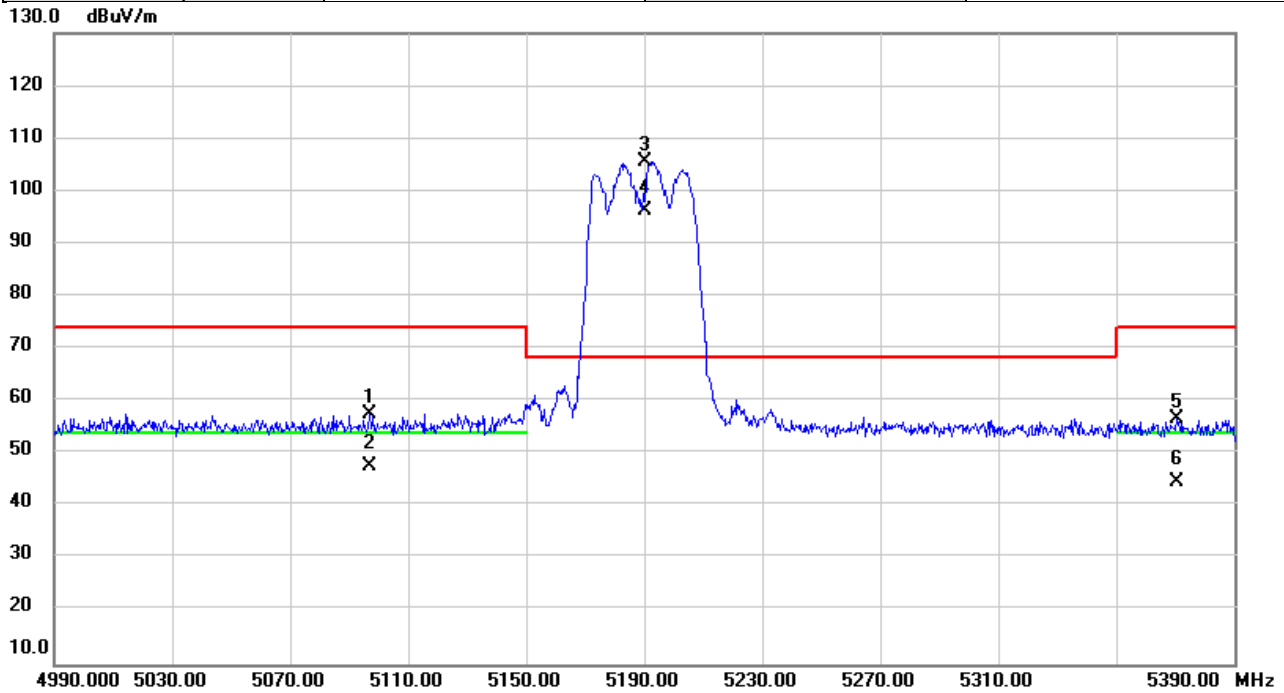


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment				
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5636.067	55.41	2.03	57.44	68.20	-10.76	peak	
2		5666.747	56.25	2.13	58.38	80.63	-22.25	peak	
3		5703.960	55.29	2.25	57.54	106.31	-48.77	peak	
4		5723.640	55.31	2.31	57.62	119.10	-61.48	peak	
5		5825.000	110.53	2.65	113.18	122.20	-9.02	peak	NoLimit
6		5825.000	100.49	2.65	103.14	122.20	-19.06	AVG	NoLimit
7		5852.627	64.65	2.74	67.39	116.21	-48.82	peak	
8		5855.533	64.33	2.74	67.07	110.65	-43.58	peak	
9		5888.653	56.14	2.86	59.00	95.07	-36.07	peak	
10	*	5993.840	56.56	3.20	59.76	68.20	-8.44	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5190MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

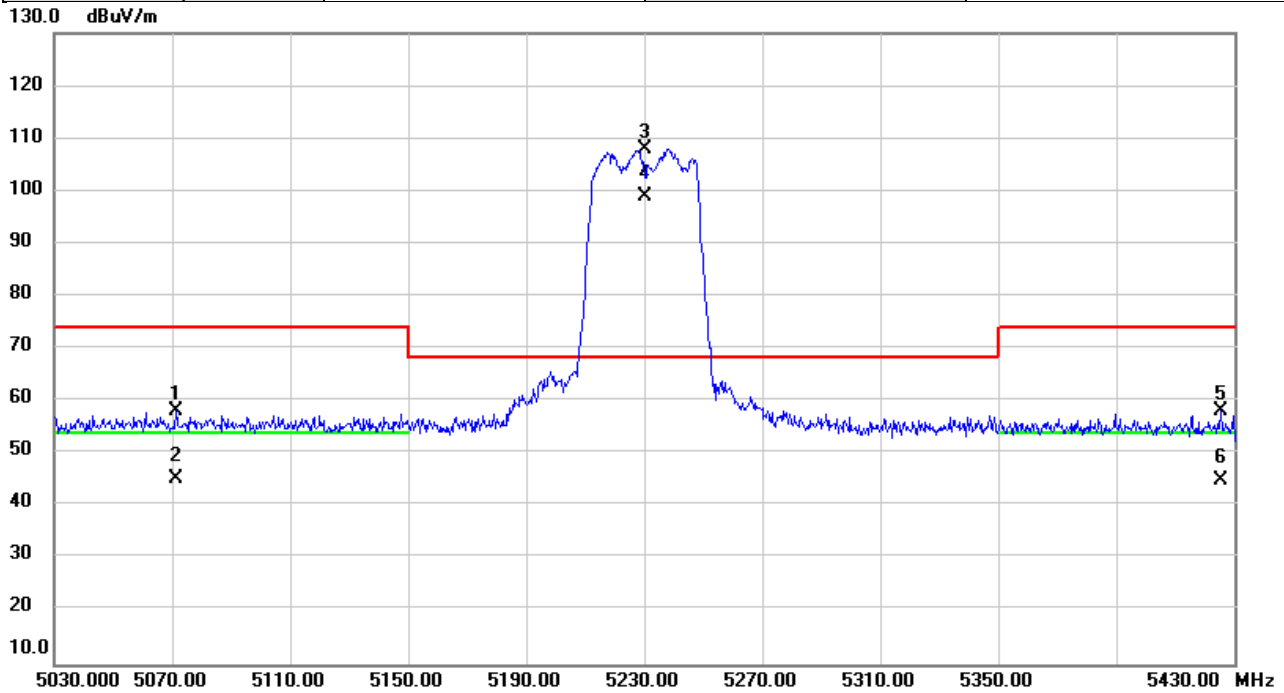


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5097.120	56.17	1.35	57.52	74.00	-16.48	peak	
2		5097.120	46.18	1.35	47.53	54.00	-6.47	AVG	
3	*	5190.000	104.19	1.40	105.59	68.20	37.39	peak	NoLimit
4	X	5190.000	94.98	1.40	96.38	68.20	28.18	AVG	NoLimit
5		5370.413	55.14	1.51	56.65	74.00	-17.35	peak	
6		5370.413	43.20	1.51	44.71	54.00	-9.29	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5230MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

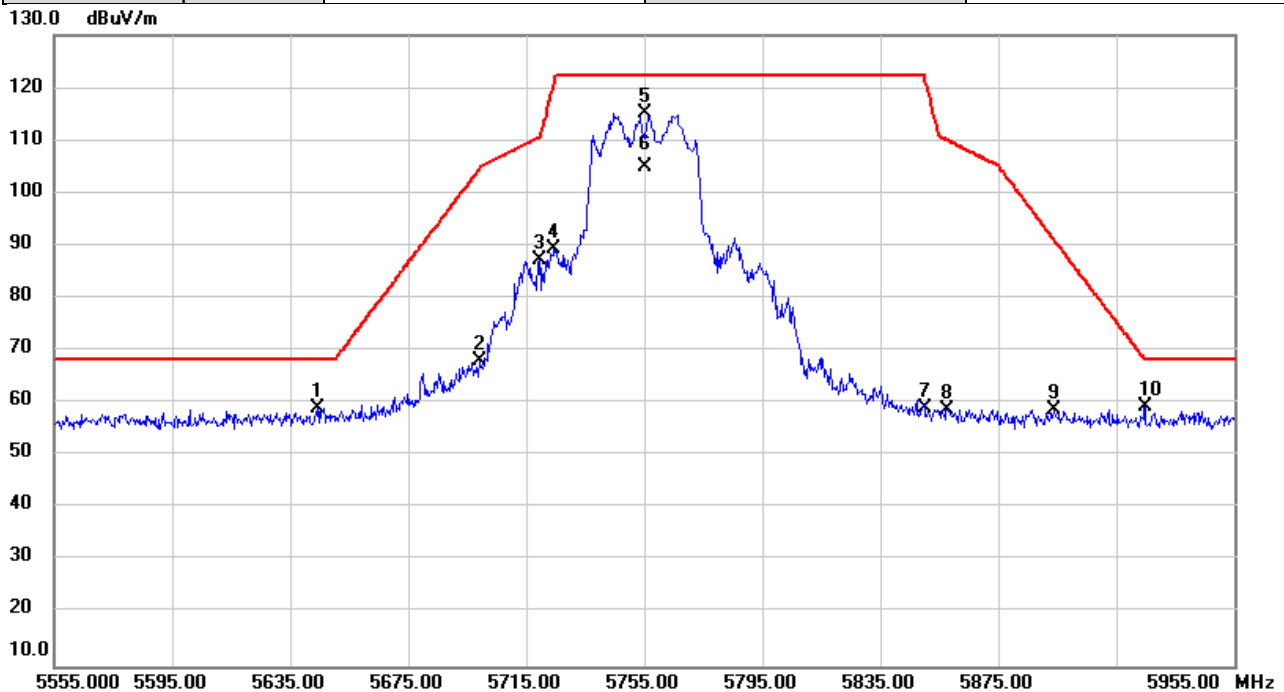


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5071.507	56.76	1.33	58.09	74.00	-15.91	peak	
2		5071.507	43.86	1.33	45.19	54.00	-8.81	AVG	
3	*	5230.000	106.52	1.42	107.94	68.20	39.74	peak	NoLimit
4	X	5230.000	97.41	1.42	98.83	68.20	30.63	AVG	NoLimit
5		5425.440	56.65	1.53	58.18	74.00	-15.82	peak	
6		5425.440	43.30	1.53	44.83	54.00	-9.17	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5755MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

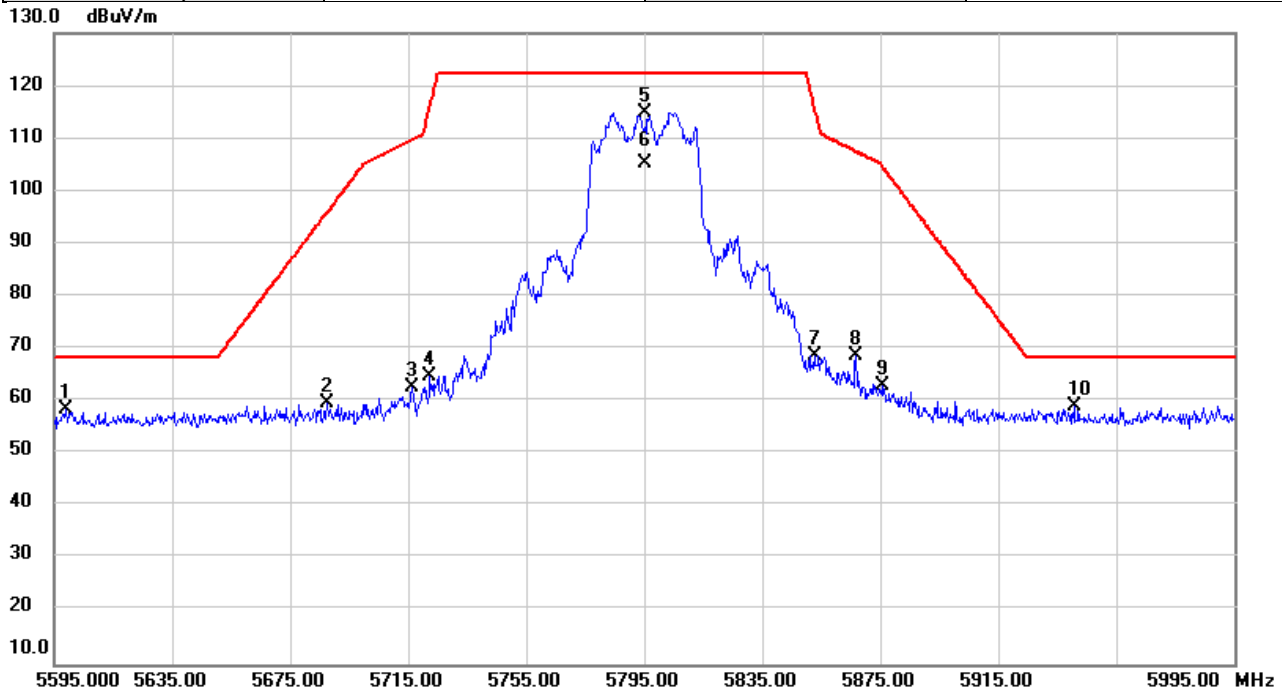


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5644.133	56.97	2.06	59.03	68.20	-9.17	peak	
2		5699.373	65.70	2.24	67.94	104.74	-36.80	peak	
3		5719.440	84.89	2.30	87.19	110.64	-23.45	peak	
4		5724.213	87.04	2.31	89.35	120.41	-31.06	peak	
5	*	5755.000	112.84	2.42	115.26	122.20	-6.94	peak	NoLimit
6		5755.000	102.43	2.42	104.85	122.20	-17.35	AVG	NoLimit
7		5850.107	56.36	2.72	59.08	121.96	-62.88	peak	
8		5857.600	56.14	2.75	58.89	110.07	-51.18	peak	
9		5893.920	55.99	2.88	58.87	91.16	-32.29	peak	
10		5924.600	56.39	2.97	59.36	68.49	-9.13	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5795MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

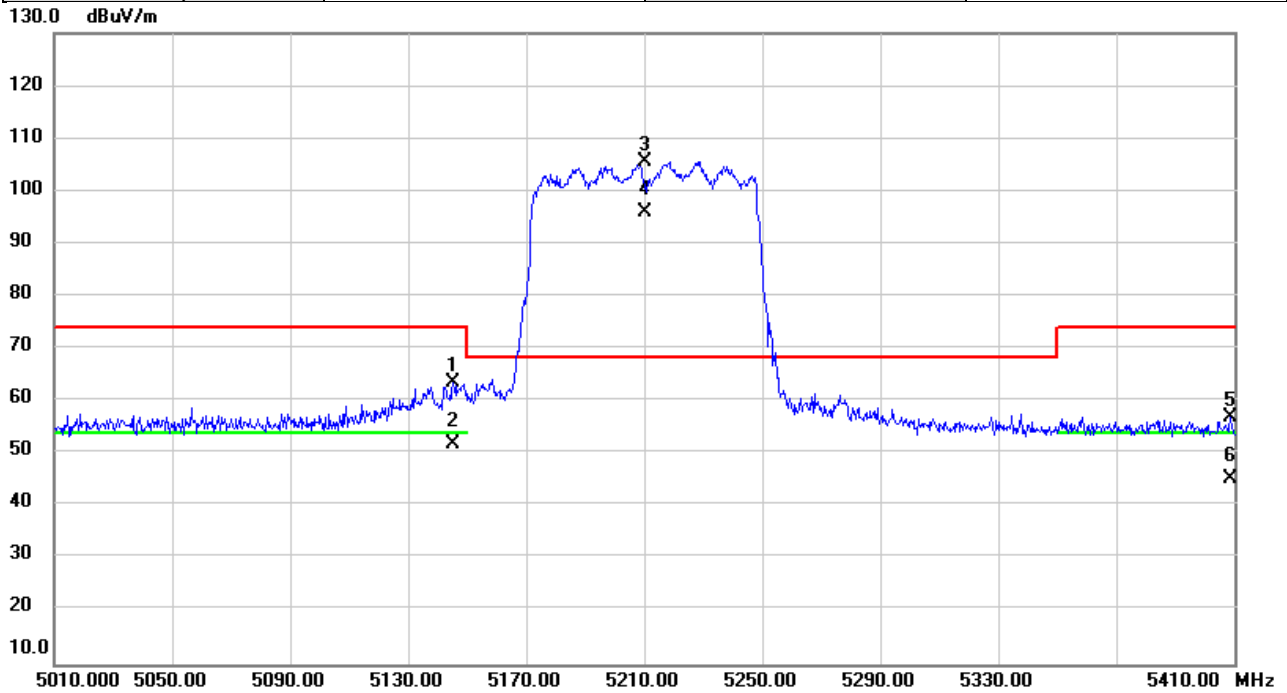


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5599.000	56.59	1.90	58.49	68.20	-9.71	peak	
2		5687.533	57.52	2.20	59.72	96.00	-36.28	peak	
3		5716.293	60.23	2.29	62.52	109.76	-47.24	peak	
4		5722.333	62.56	2.31	64.87	116.12	-51.25	peak	
5	*	5795.000	112.39	2.55	114.94	122.20	-7.26	peak	NoLimit
6		5795.000	102.58	2.55	105.13	122.20	-17.07	AVG	NoLimit
7		5852.787	65.95	2.74	68.69	115.84	-47.15	peak	
8		5866.840	65.82	2.78	68.60	107.48	-38.88	peak	
9		5875.547	60.02	2.82	62.84	104.79	-41.95	peak	
10		5940.747	56.03	3.03	59.06	68.20	-9.14	peak	

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2024/10/30
Test Frequency	5210MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

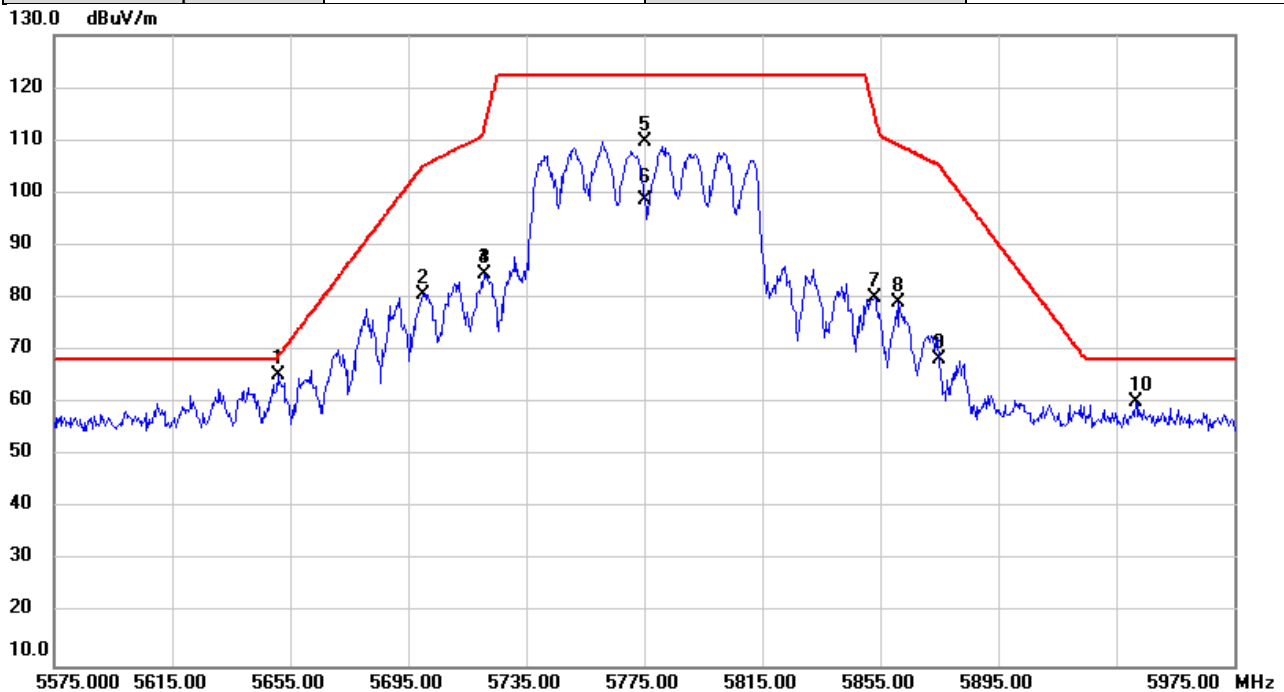


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5145.373	62.25	1.37	63.62	74.00	-10.38	peak	
2		5145.373	50.63	1.37	52.00	54.00	-2.00	AVG	
3	*	5210.000	104.22	1.41	105.63	68.20	37.43	peak	NoLimit
4	X	5210.000	94.42	1.41	95.83	68.20	27.63	AVG	NoLimit
5		5408.733	55.43	1.52	56.95	74.00	-17.05	peak	
6		5408.733	43.59	1.52	45.11	54.00	-8.89	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2024/10/30
Test Frequency	5775MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

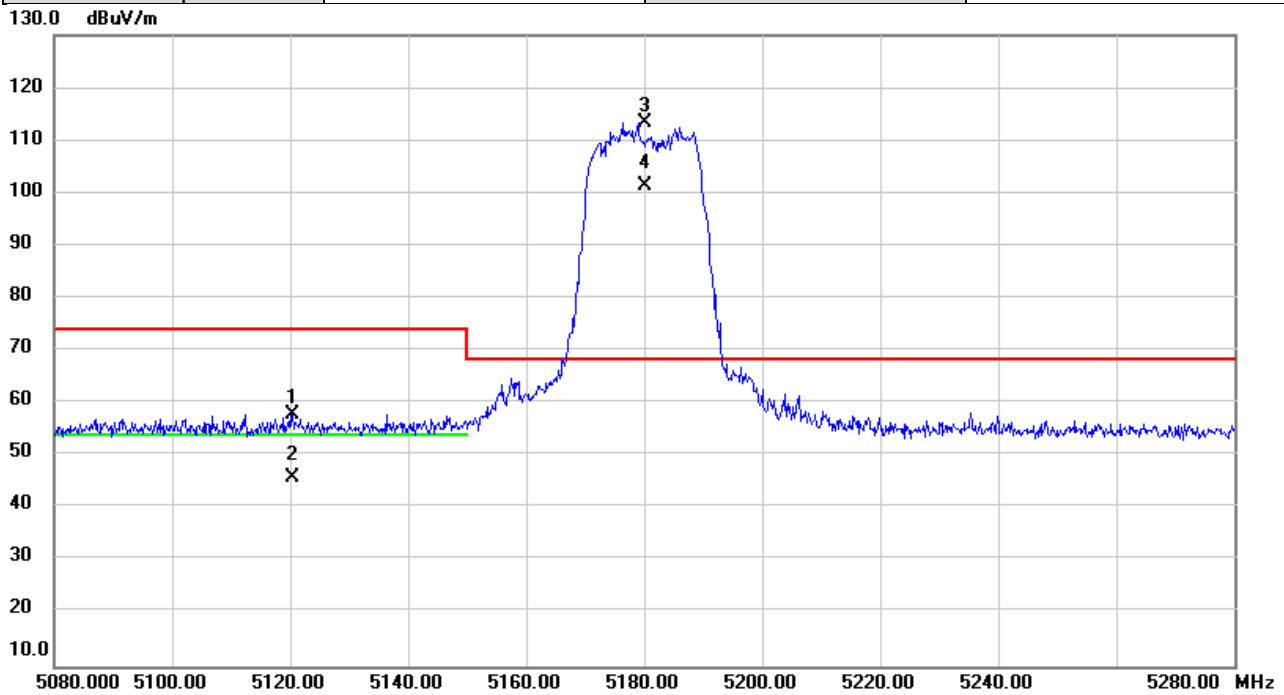


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5650.853	63.15	2.08	65.23	68.83	-3.60	peak	
2		5699.827	78.31	2.24	80.55	105.07	-24.52	peak	
3		5720.893	82.28	2.31	84.59	112.84	-28.25	peak	
4		5720.893	82.28	2.31	84.59	112.84	-28.25	peak	
5		5775.000	107.26	2.49	109.75	122.20	-12.45	peak	NoLimit
6		5775.000	96.09	2.49	98.58	122.20	-23.62	AVG	NoLimit
7		5853.240	77.32	2.74	80.06	114.81	-34.75	peak	
8		5861.387	76.32	2.77	79.09	109.01	-29.92	peak	
9		5875.107	65.57	2.82	68.39	105.12	-36.73	peak	
10		5941.667	57.36	3.03	60.39	68.20	-7.81	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5180MHz	Polarization	Vertical
Temp	21°C	Hum.	52%



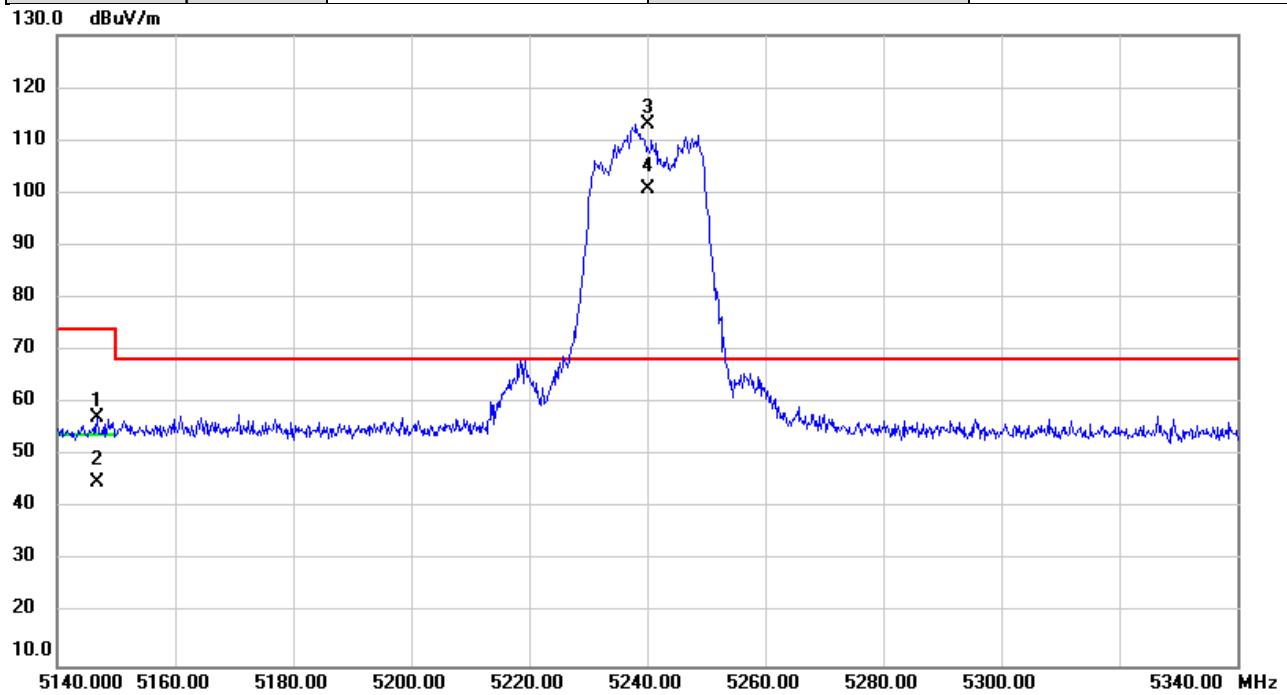
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5120.500	56.41	1.36	57.77	74.00	-16.23	peak	
2		5120.500	44.50	1.36	45.86	54.00	-8.14	AVG	
3	*	5180.000	112.06	1.39	113.45	68.20	45.25	peak	NoLimit
4	X	5180.000	99.88	1.39	101.27	68.20	33.07	AVG	NoLimit

REMARKS:

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

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5240MHz	Polarization	Vertical
Temp	21°C	Hum.	52%



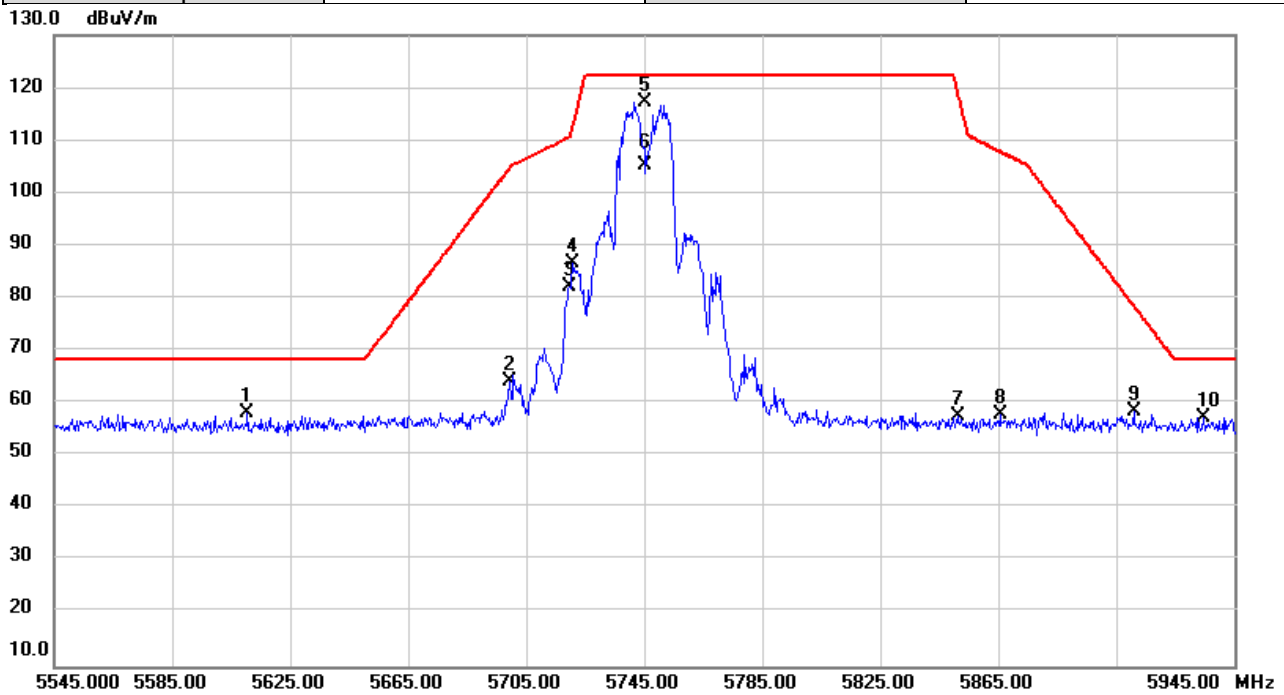
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5146.867	55.89	1.37	57.26	74.00	-16.74	peak	
2		5146.867	43.53	1.37	44.90	54.00	-9.10	AVG	
3	*	5240.000	111.50	1.43	112.93	68.20	44.73	peak	NoLimit
4	X	5240.000	99.27	1.43	100.70	68.20	32.50	AVG	NoLimit

REMARKS:

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

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5745MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

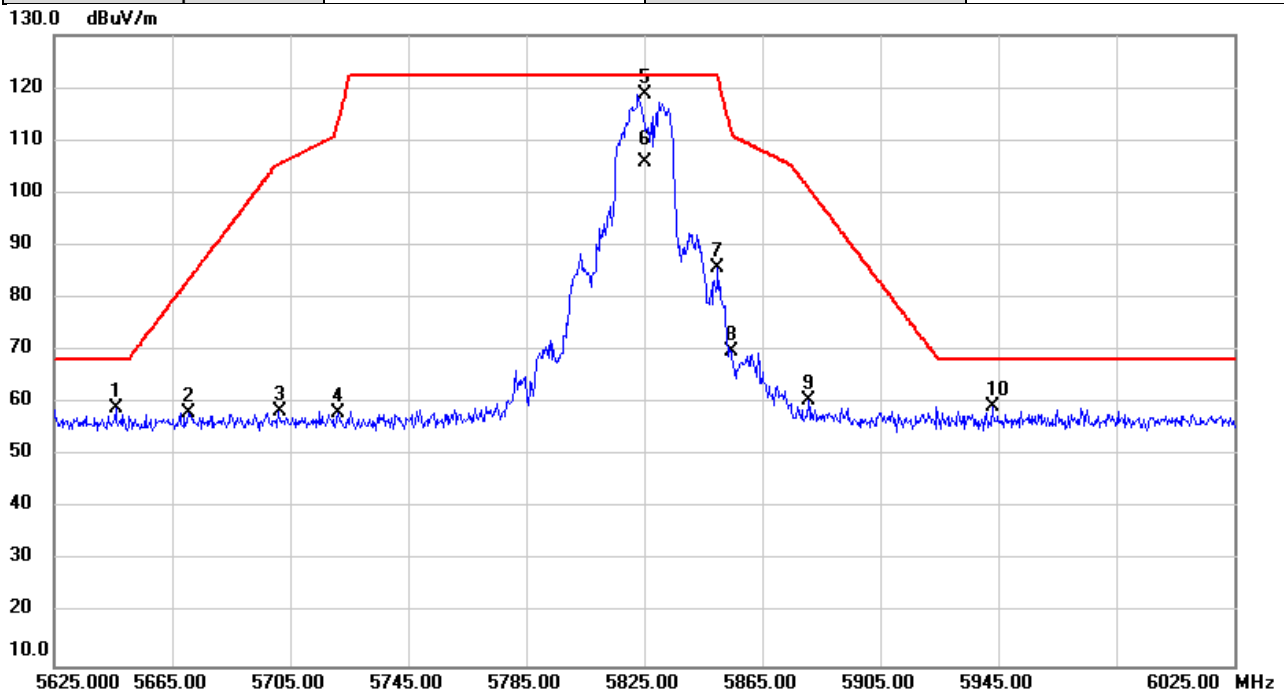


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5610.253	56.34	1.93	58.27	68.20	-9.93	peak	
2		5699.400	62.05	2.24	64.29	104.76	-40.47	peak	
3		5719.413	79.77	2.30	82.07	110.64	-28.57	peak	
4		5720.920	84.46	2.31	86.77	112.90	-26.13	peak	
5	*	5745.000	114.75	2.38	117.13	122.20	-5.07	peak	NoLimit
6		5745.000	102.89	2.38	105.27	122.20	-16.93	AVG	NoLimit
7		5851.227	54.71	2.73	57.44	119.40	-61.96	peak	
8		5865.600	55.03	2.77	57.80	107.83	-50.03	peak	
9		5910.933	55.51	2.93	58.44	78.58	-20.14	peak	
10		5934.600	54.32	3.01	57.33	68.20	-10.87	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5825MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

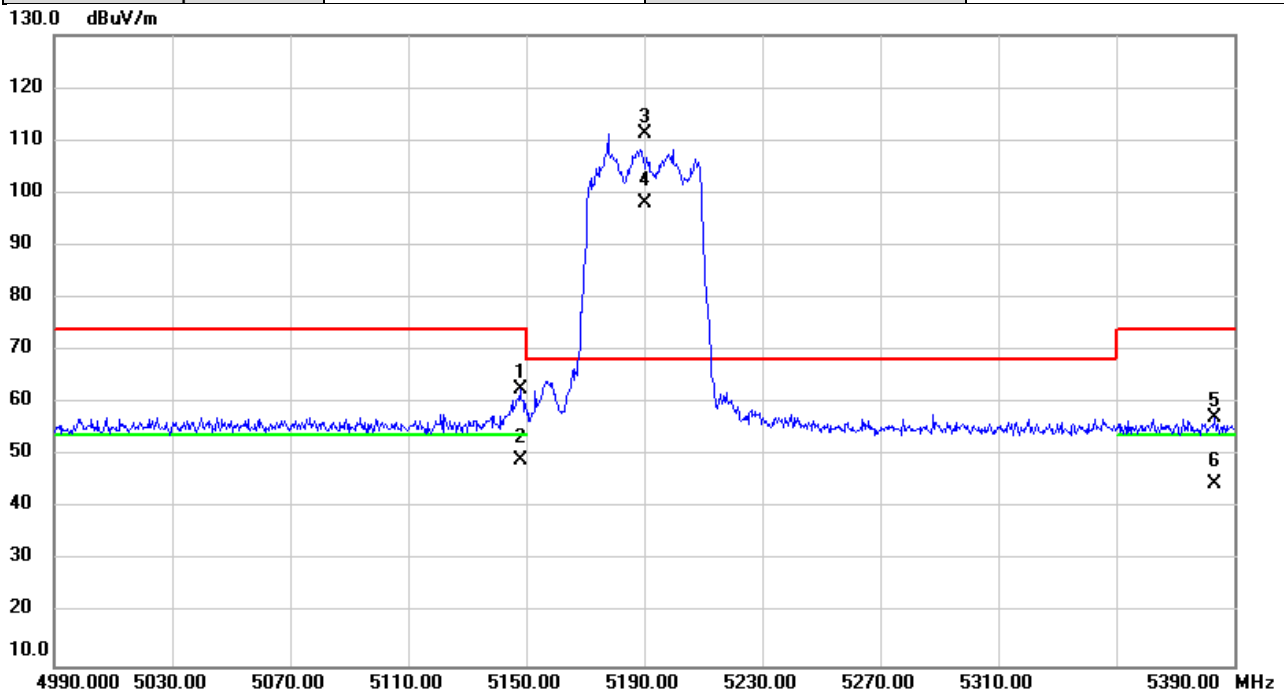


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5646.067	56.89	2.06	58.95	68.20	-9.25	peak	
2		5670.787	56.11	2.15	58.26	83.62	-25.36	peak	
3		5701.267	56.20	2.24	58.44	105.56	-47.12	peak	
4		5721.280	55.84	2.31	58.15	113.72	-55.57	peak	
5	*	5825.000	116.15	2.65	118.80	122.20	-3.40	peak	NoLimit
6		5825.000	103.31	2.65	105.96	122.20	-16.24	AVG	NoLimit
7		5849.840	82.93	2.72	85.65	122.20	-36.55	peak	
8		5854.573	67.02	2.74	69.76	111.77	-42.01	peak	
9		5880.613	57.85	2.84	60.69	101.03	-40.34	peak	
10		5943.360	56.35	3.04	59.39	68.20	-8.81	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5190MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

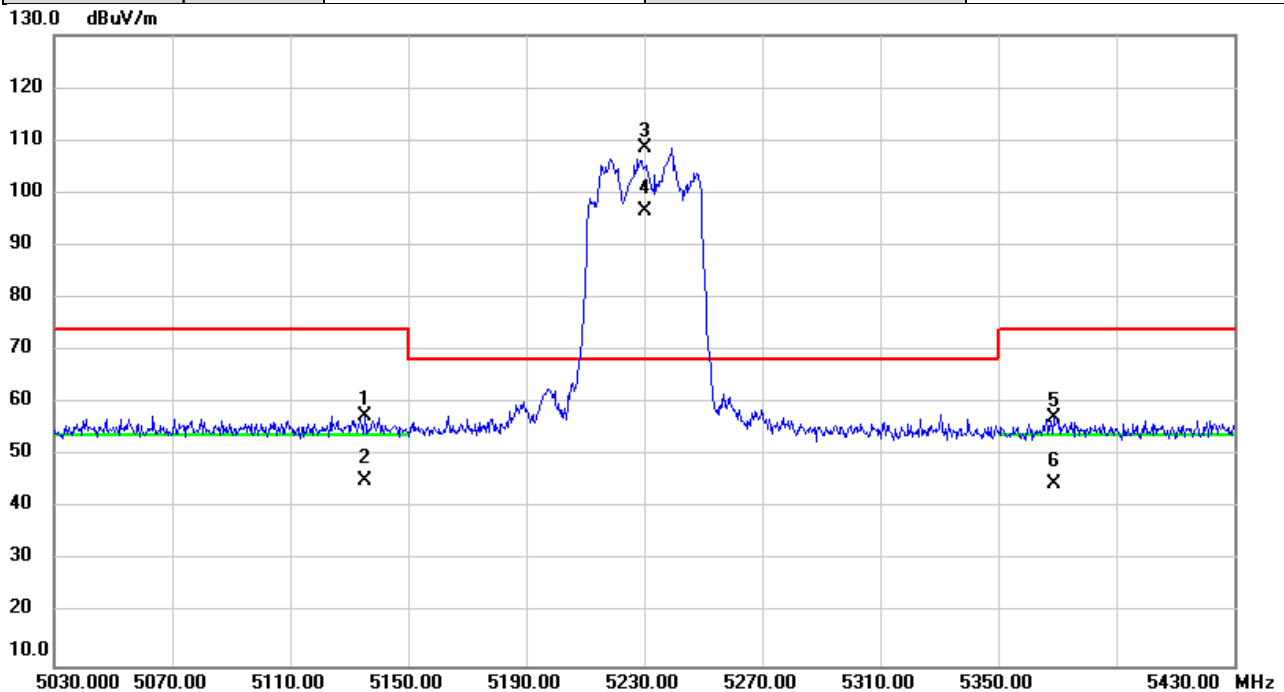


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5147.893	61.37	1.37	62.74	74.00	-11.26	peak	
2		5147.893	47.84	1.37	49.21	54.00	-4.79	AVG	
3	*	5190.000	109.93	1.40	111.33	68.20	43.13	peak	NoLimit
4	X	5190.000	96.74	1.40	98.14	68.20	29.94	AVG	NoLimit
5		5383.213	55.87	1.51	57.38	74.00	-16.62	peak	
6		5383.213	43.21	1.51	44.72	54.00	-9.28	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5230MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

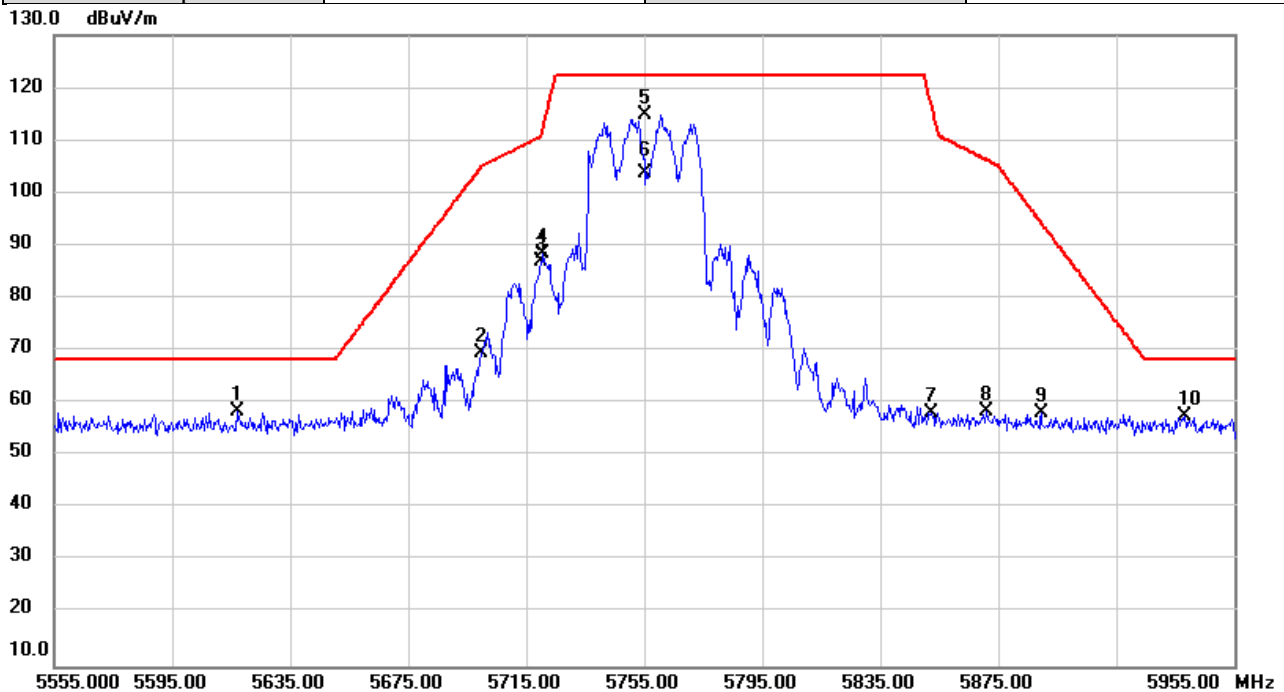


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5135.520	56.25	1.36	57.61	74.00	-16.39	peak	
2		5135.520	43.82	1.36	45.18	54.00	-8.82	AVG	
3	*	5230.000	107.15	1.42	108.57	68.20	40.37	peak	NoLimit
4	X	5230.000	95.07	1.42	96.49	68.20	28.29	AVG	NoLimit
5		5369.160	55.63	1.51	57.14	74.00	-16.86	peak	
6		5369.160	43.27	1.51	44.78	54.00	-9.22	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5755MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

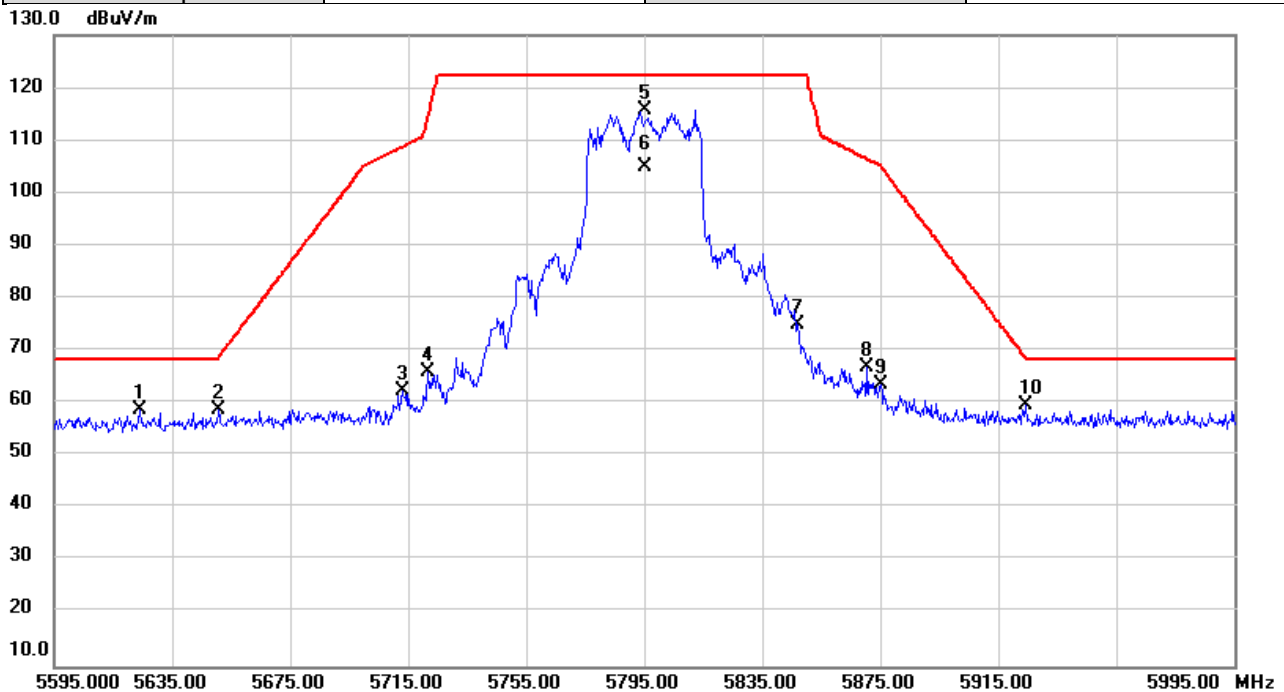


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5616.947	56.56	1.96	58.52	68.20	-9.68	peak	
2		5699.813	67.16	2.24	69.40	105.06	-35.66	peak	
3		5720.147	84.64	2.30	86.94	111.14	-24.20	peak	
4		5720.627	86.14	2.31	88.45	112.23	-23.78	peak	
5	*	5755.000	112.29	2.42	114.71	122.20	-7.49	peak	NoLimit
6		5755.000	101.39	2.42	103.81	122.20	-18.39	AVG	NoLimit
7		5852.347	55.54	2.74	58.28	116.85	-58.57	peak	
8		5871.133	55.62	2.80	58.42	106.28	-47.86	peak	
9		5889.507	55.15	2.87	58.02	94.43	-36.41	peak	
10		5938.080	54.44	3.02	57.46	68.20	-10.74	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5795MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

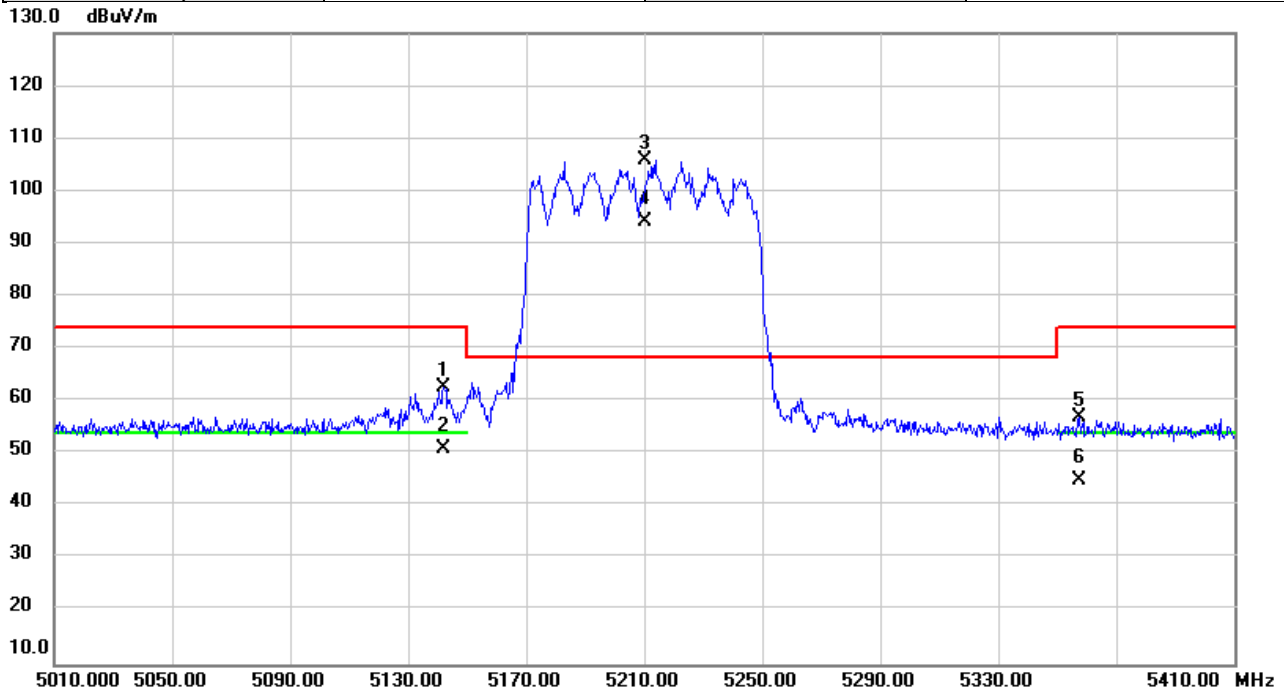


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		5623.893	56.73	1.98	58.71	68.20	-9.49	peak	
2		5650.613	56.66	2.08	58.74	68.66	-9.92	peak	
3		5712.973	60.20	2.28	62.48	108.83	-46.35	peak	
4		5721.680	63.62	2.31	65.93	114.63	-48.70	peak	
5	*	5795.000	113.11	2.55	115.66	122.20	-6.54	peak	NoLimit
6		5795.000	102.51	2.55	105.06	122.20	-17.14	AVG	NoLimit
7		5846.880	72.33	2.71	75.04	122.20	-47.16	peak	
8		5870.693	63.97	2.80	66.77	106.40	-39.63	peak	
9		5875.227	60.84	2.82	63.66	105.03	-41.37	peak	
10		5924.240	56.76	2.97	59.73	68.76	-9.03	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE80)	Test Date	2024/10/30
Test Frequency	5210MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

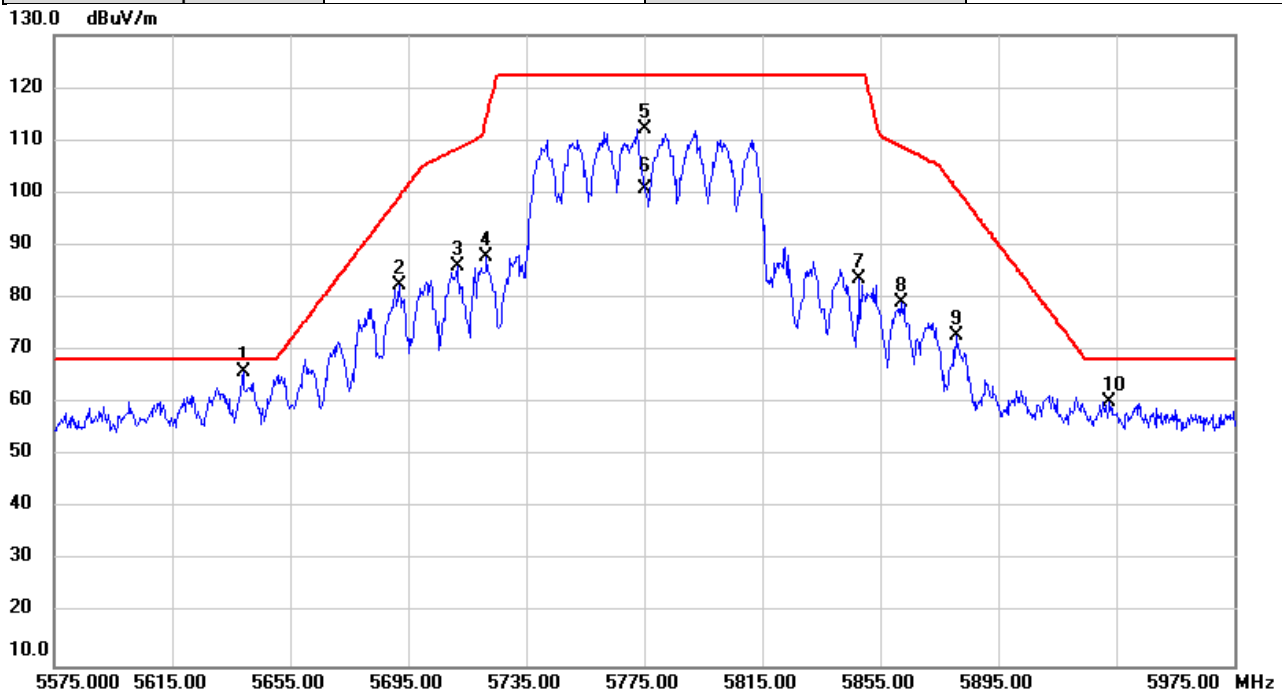


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5142.133	61.29	1.37	62.66	74.00	-11.34	peak	
2		5142.133	49.64	1.37	51.01	54.00	-2.99	AVG	
3	*	5210.000	104.36	1.41	105.77	68.20	37.57	peak	NoLimit
4	X	5210.000	92.82	1.41	94.23	68.20	26.03	AVG	NoLimit
5		5357.213	55.58	1.50	57.08	74.00	-16.92	peak	
6		5357.213	43.32	1.50	44.82	54.00	-9.18	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE80)	Test Date	2024/10/30
Test Frequency	5775MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

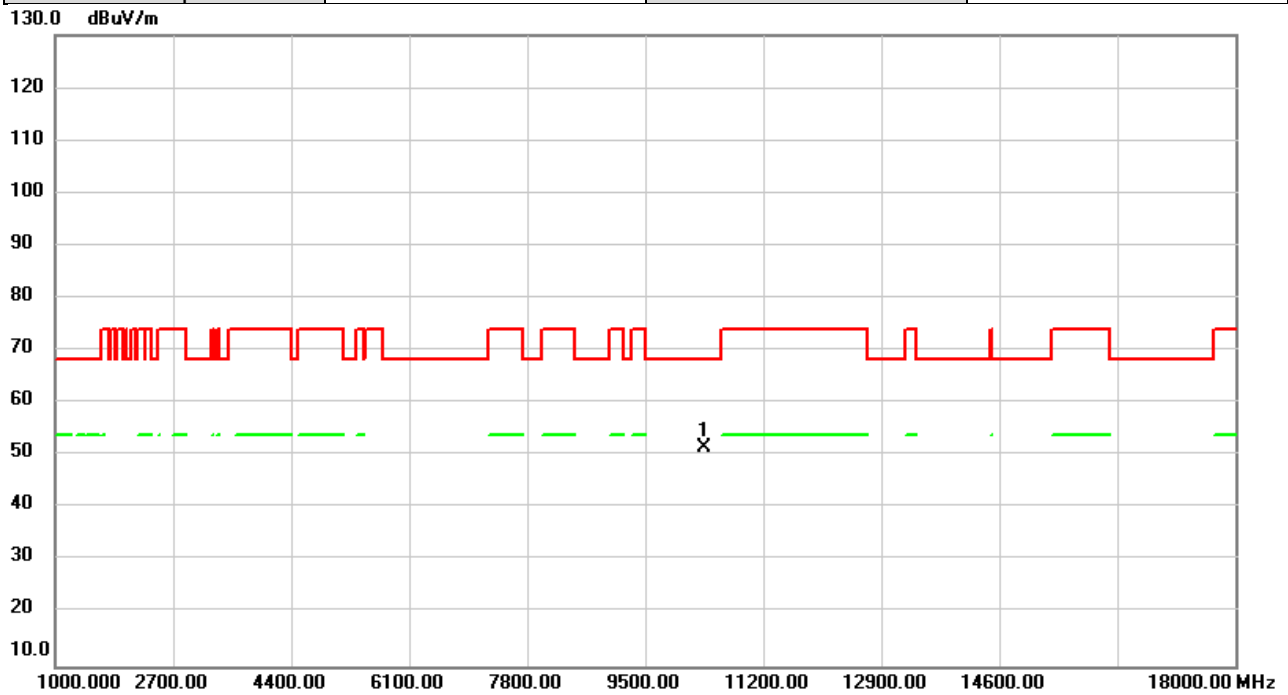


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5639.040	64.04	2.04	66.08	68.20	-2.12	peak	
2		5691.920	80.13	2.21	82.34	99.24	-16.90	peak	
3		5711.720	83.91	2.28	86.19	108.48	-22.29	peak	
4		5721.533	85.53	2.31	87.84	114.30	-26.46	peak	
5		5775.000	109.71	2.49	112.20	122.20	-10.00	peak	NoLimit
6		5775.000	98.18	2.49	100.67	122.20	-21.53	AVG	NoLimit
7		5847.987	80.80	2.72	83.52	122.20	-38.68	peak	
8		5861.973	76.30	2.77	79.07	108.85	-29.78	peak	
9		5880.813	70.15	2.84	72.99	100.88	-27.89	peak	
10		5932.667	57.20	3.00	60.20	68.20	-8.00	peak	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5180MHz	Polarization	Vertical
Temp	21°C	Hum.	52%



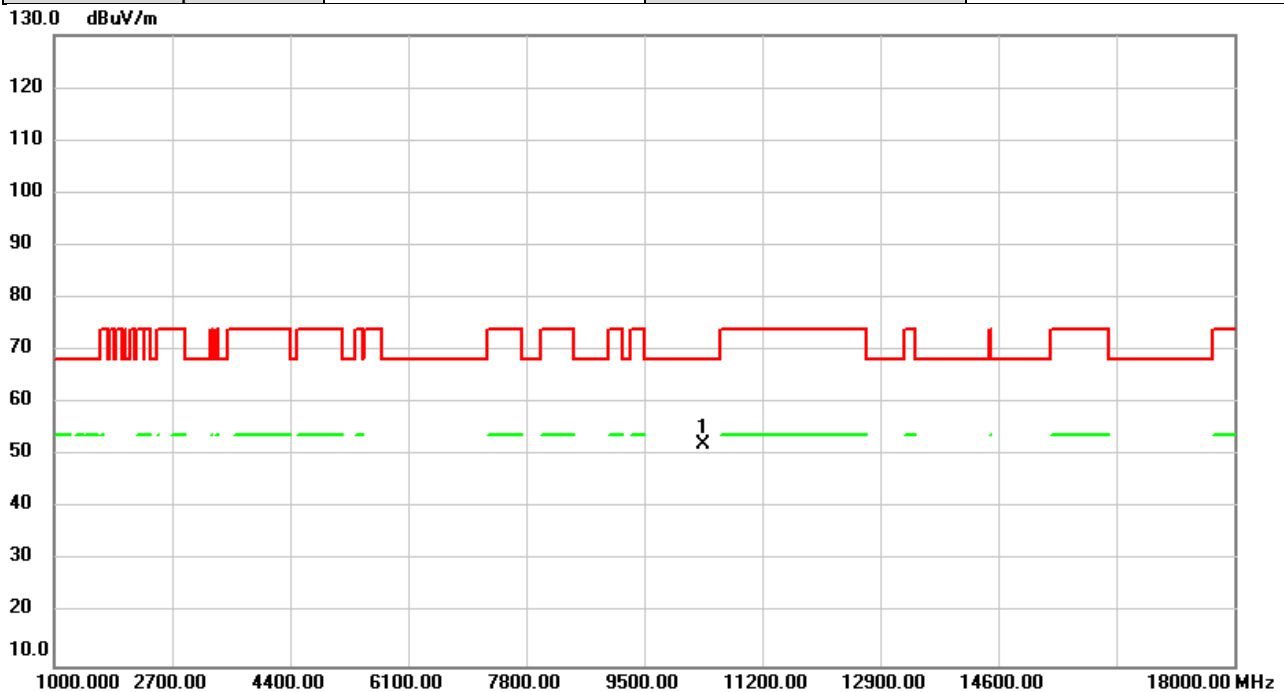
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	44.84	6.76	51.60	68.20	-16.60	peak	

REMARKS:

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

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5180MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

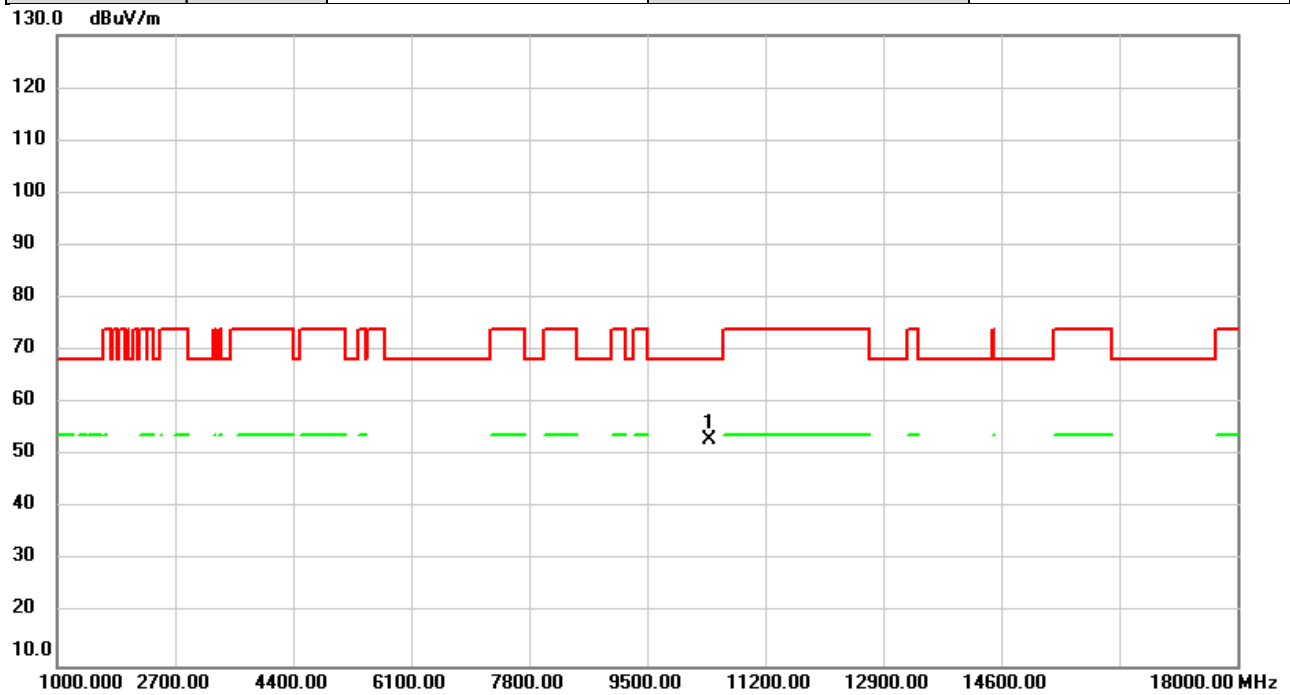


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	45.53	6.76	52.29	68.20	-15.91	peak	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5200MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

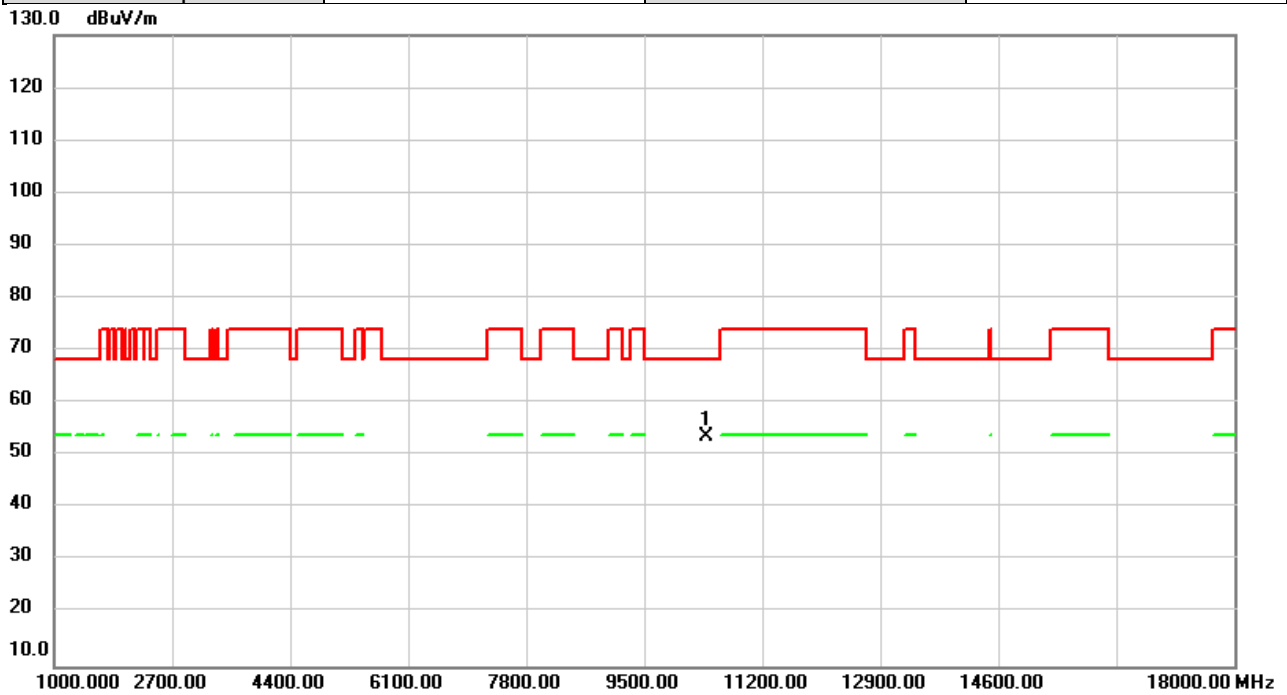


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	46.35	6.78	53.13	68.20	-15.07	peak	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5200MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

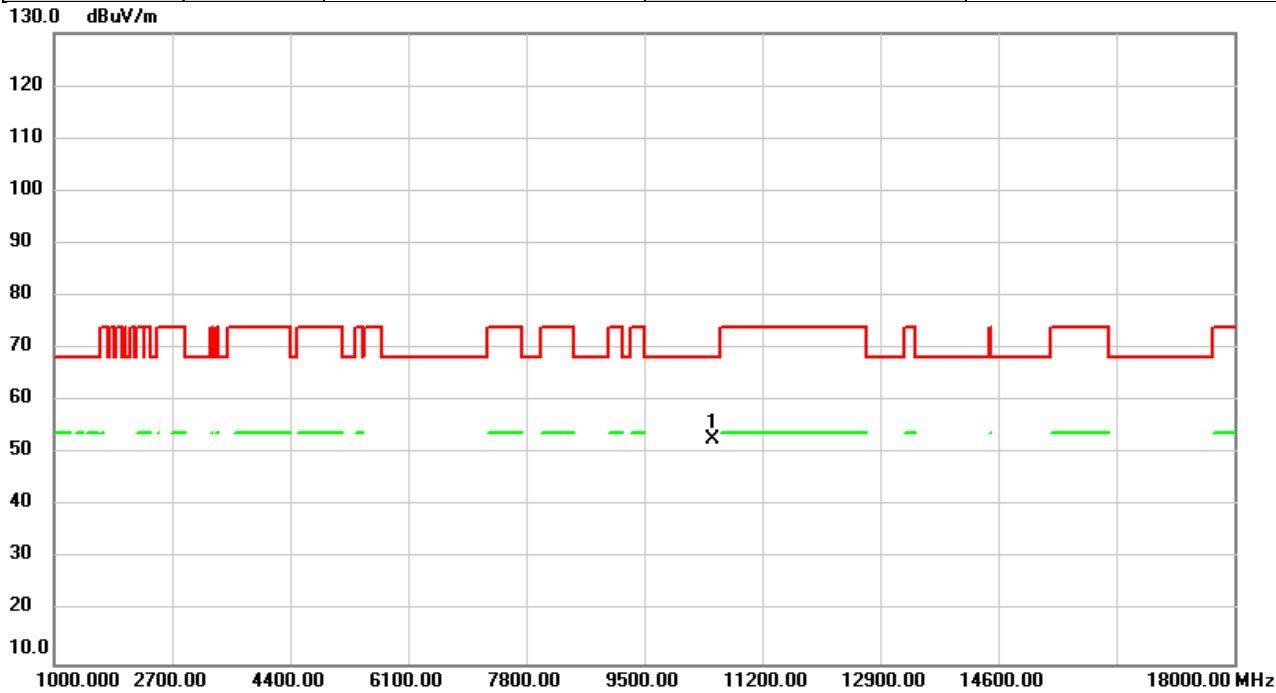


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	10400.00	46.89	6.78	53.67	68.20	-14.53	peak	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5240MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

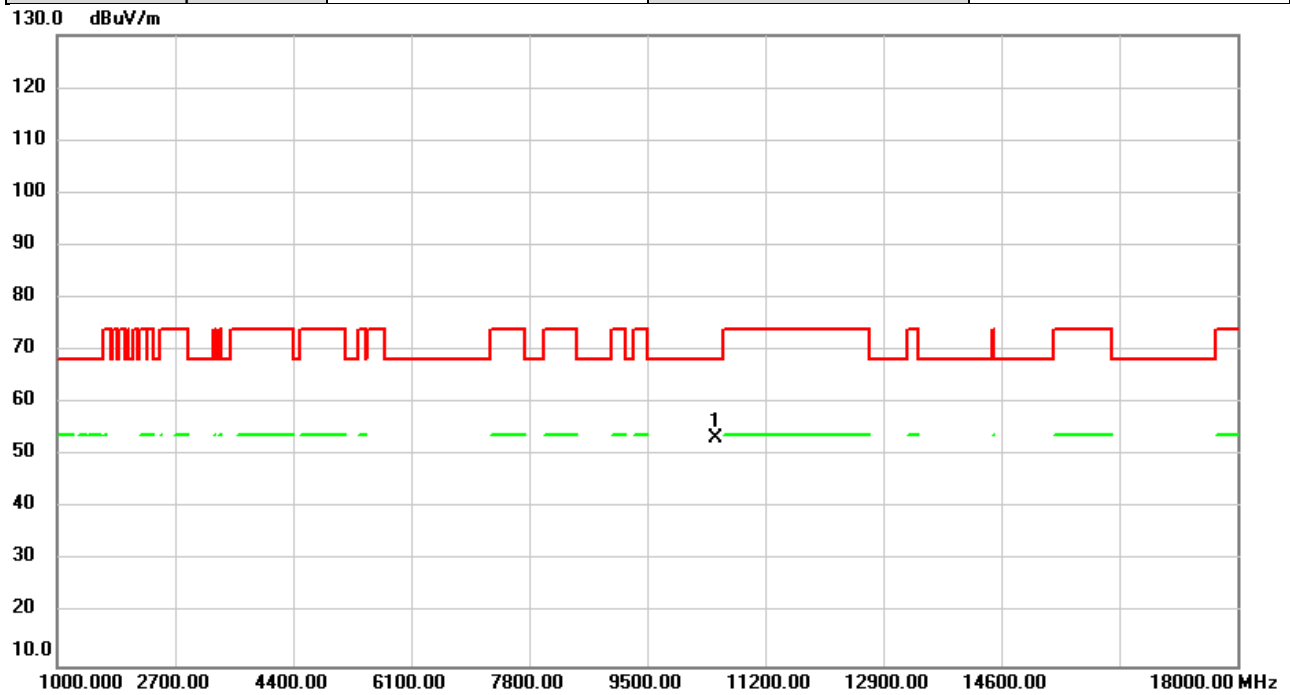


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	46.05	6.81	52.86	68.20	-15.34	peak	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5240MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

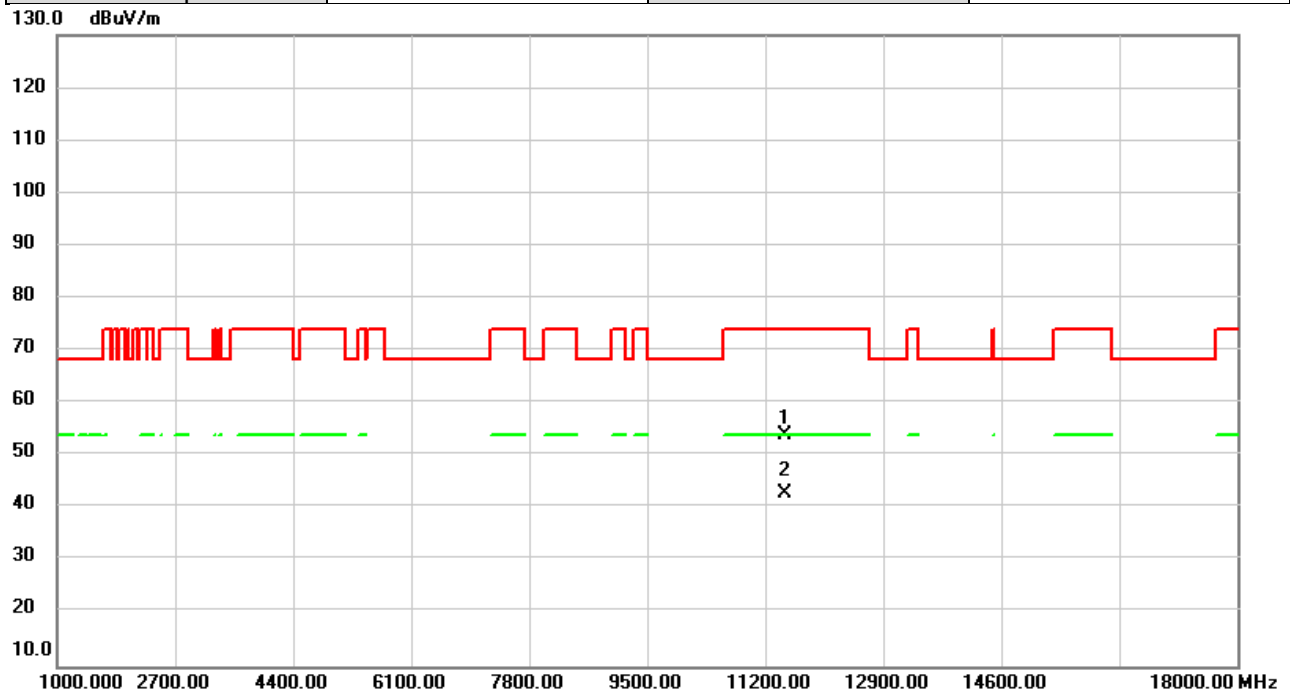


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	46.49	6.81	53.30	68.20	-14.90	peak	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5745MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

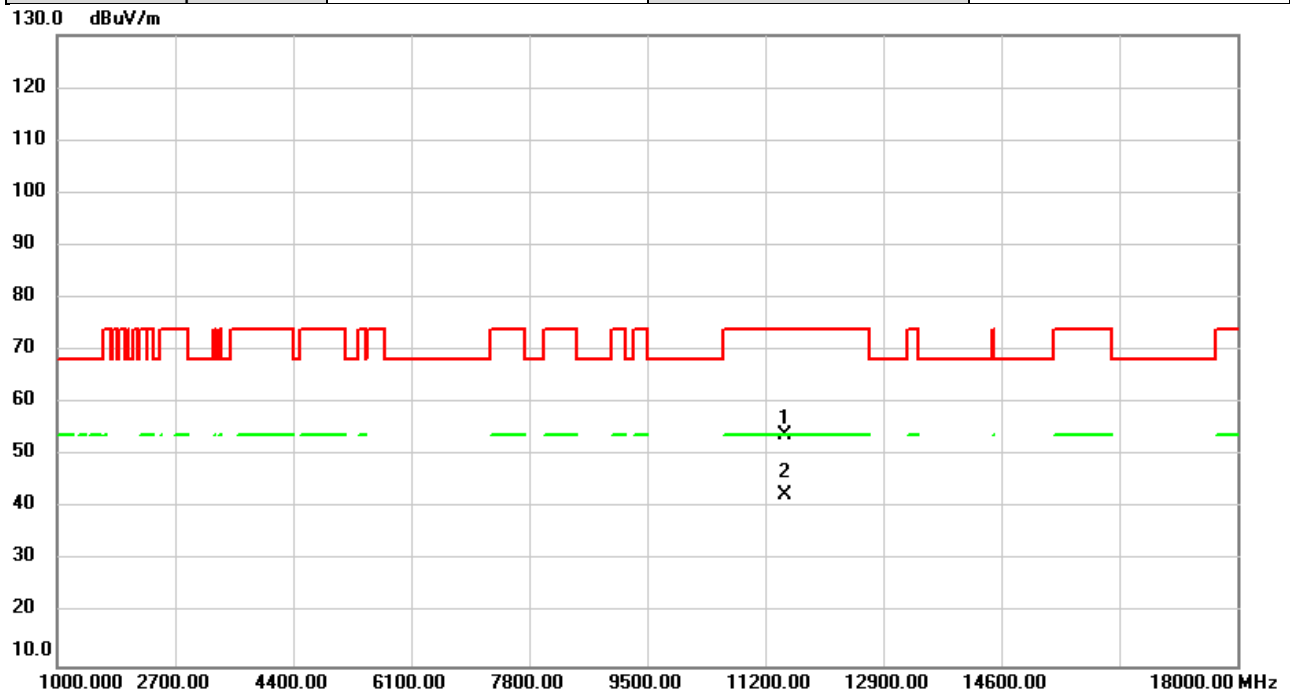


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	46.28	7.56	53.84	74.00	-20.16	peak	
2	*	11490.00	35.14	7.56	42.70	54.00	-11.30	AVG	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5745MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

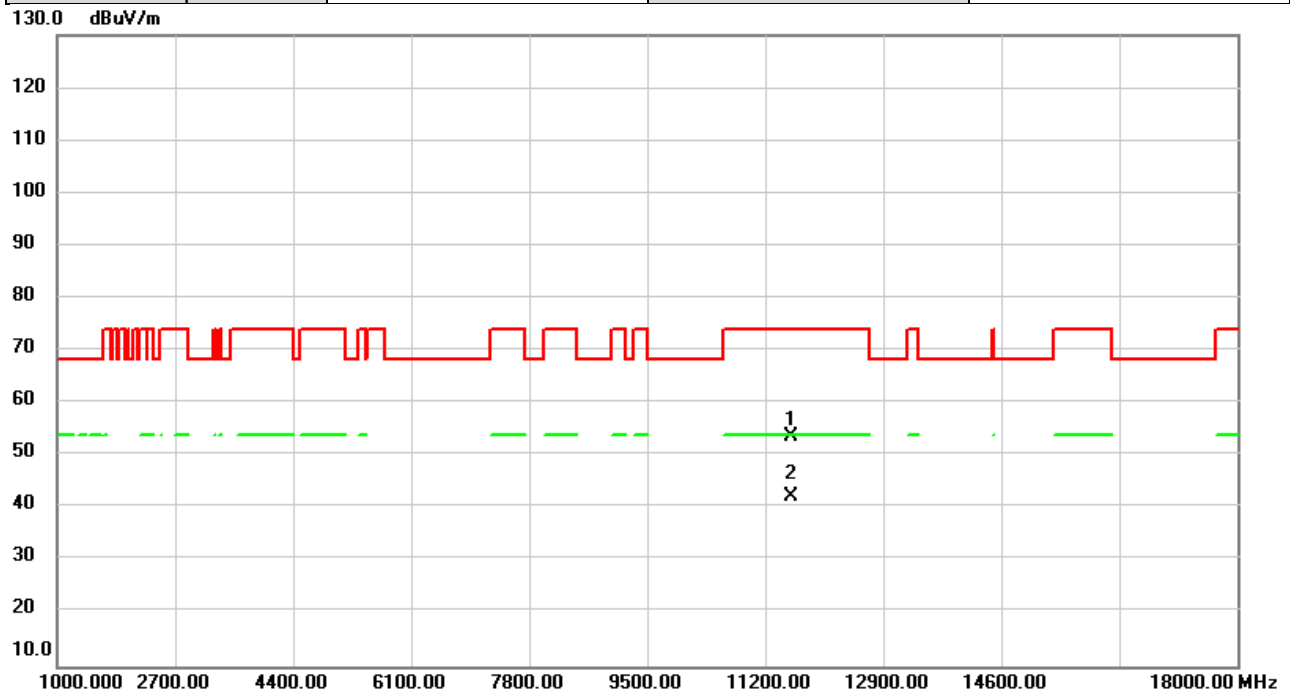


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	46.32	7.56	53.88	74.00	-20.12	peak	
2	*	11490.00	35.10	7.56	42.66	54.00	-11.34	AVG	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5875MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

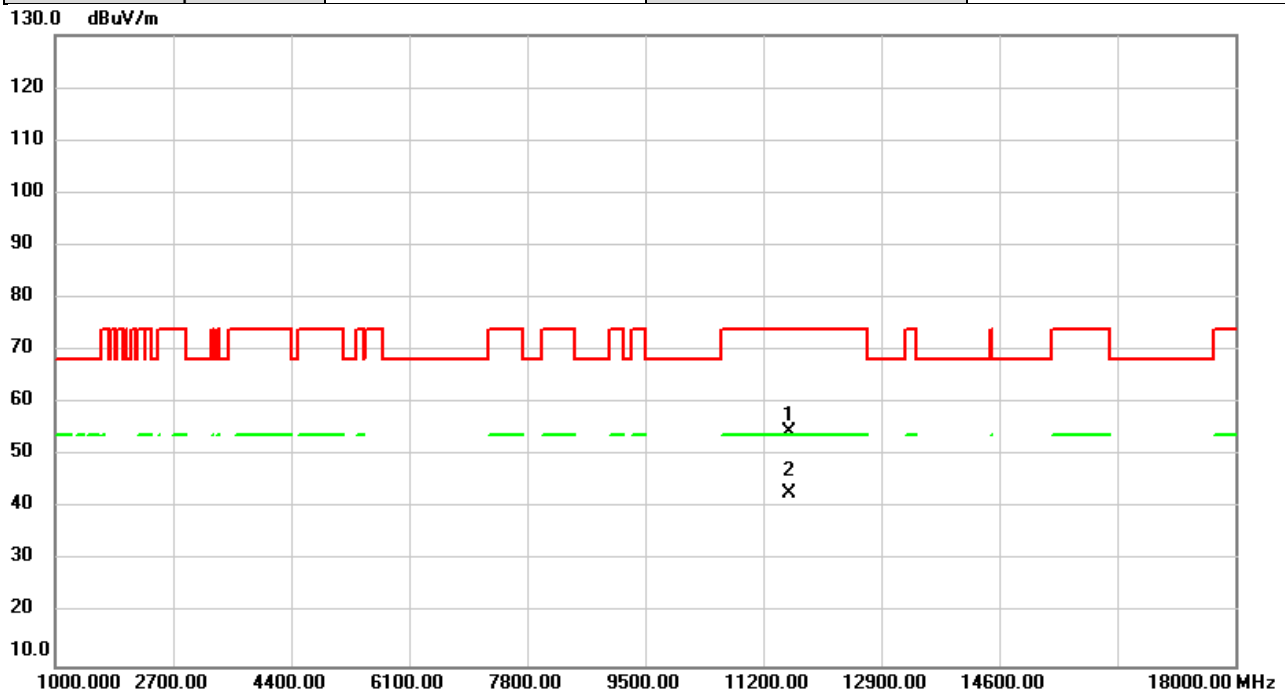


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	45.92	7.59	53.51	74.00	-20.49	peak	
2	*	11570.00	34.55	7.59	42.14	54.00	-11.86	AVG	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5785MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

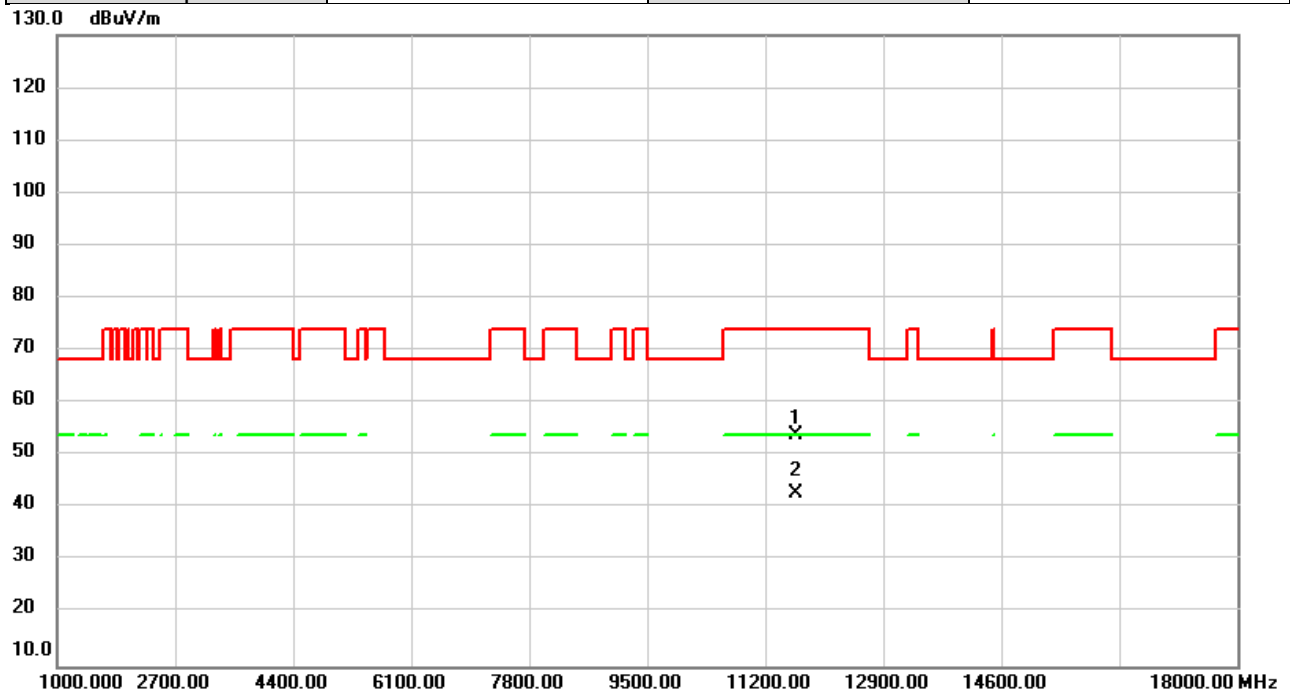


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	46.85	7.59	54.44	74.00	-19.56	peak	
2	*	11570.00	35.19	7.59	42.78	54.00	-11.22	AVG	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5825MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

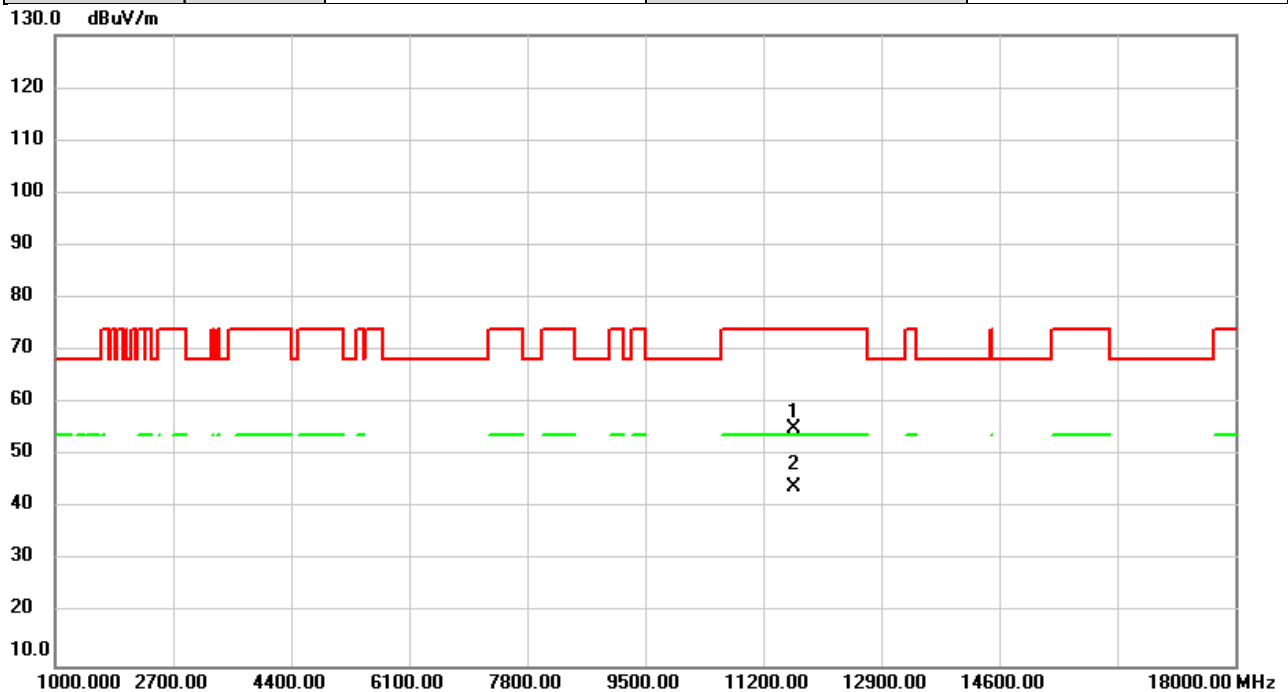


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	46.35	7.62	53.97	74.00	-20.03	peak	
2	*	11650.00	35.14	7.62	42.76	54.00	-11.24	AVG	

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2024/10/30
Test Frequency	5825MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

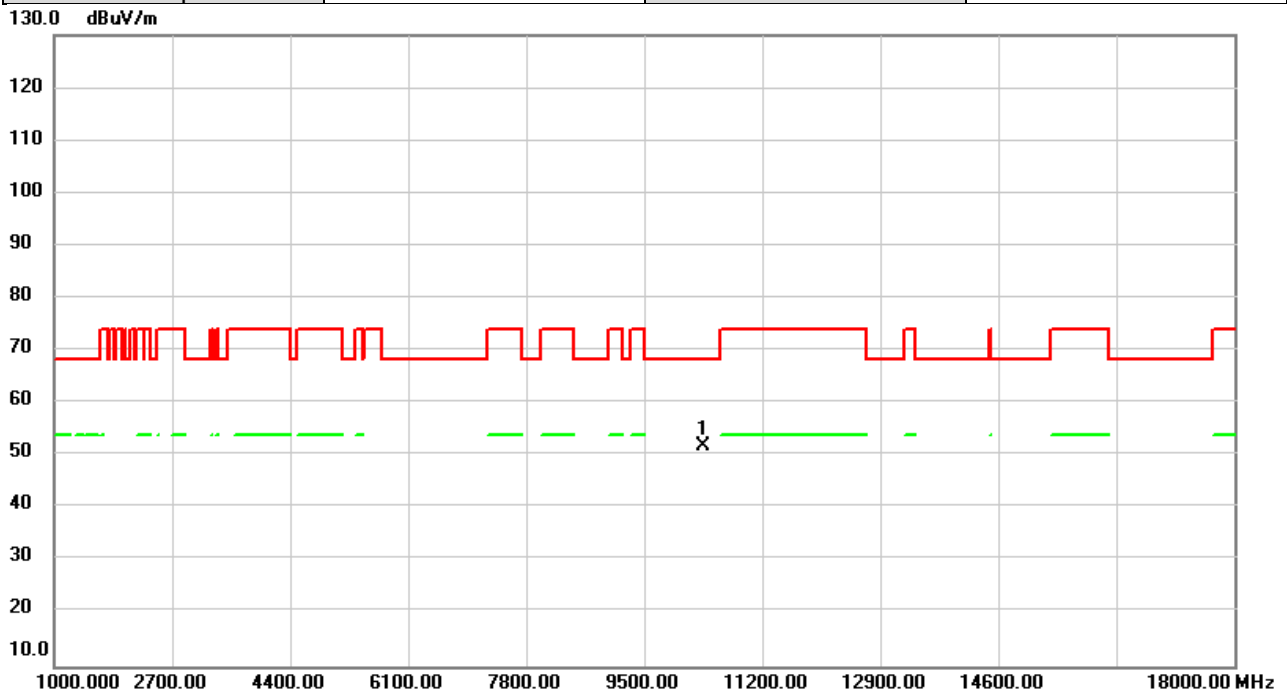


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	47.40	7.62	55.02	74.00	-18.98	peak	
2	*	11650.00	36.35	7.62	43.97	54.00	-10.03	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5180MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

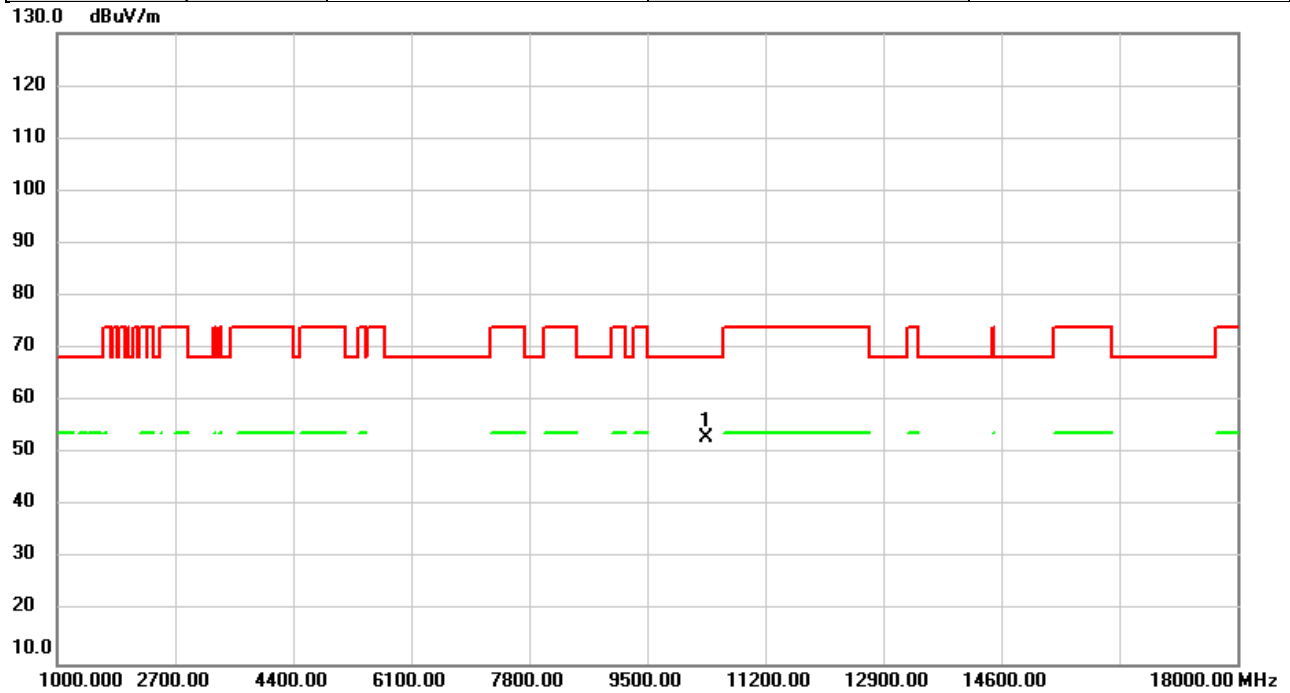


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	45.14	6.76	51.90	68.20	-16.30	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5180MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

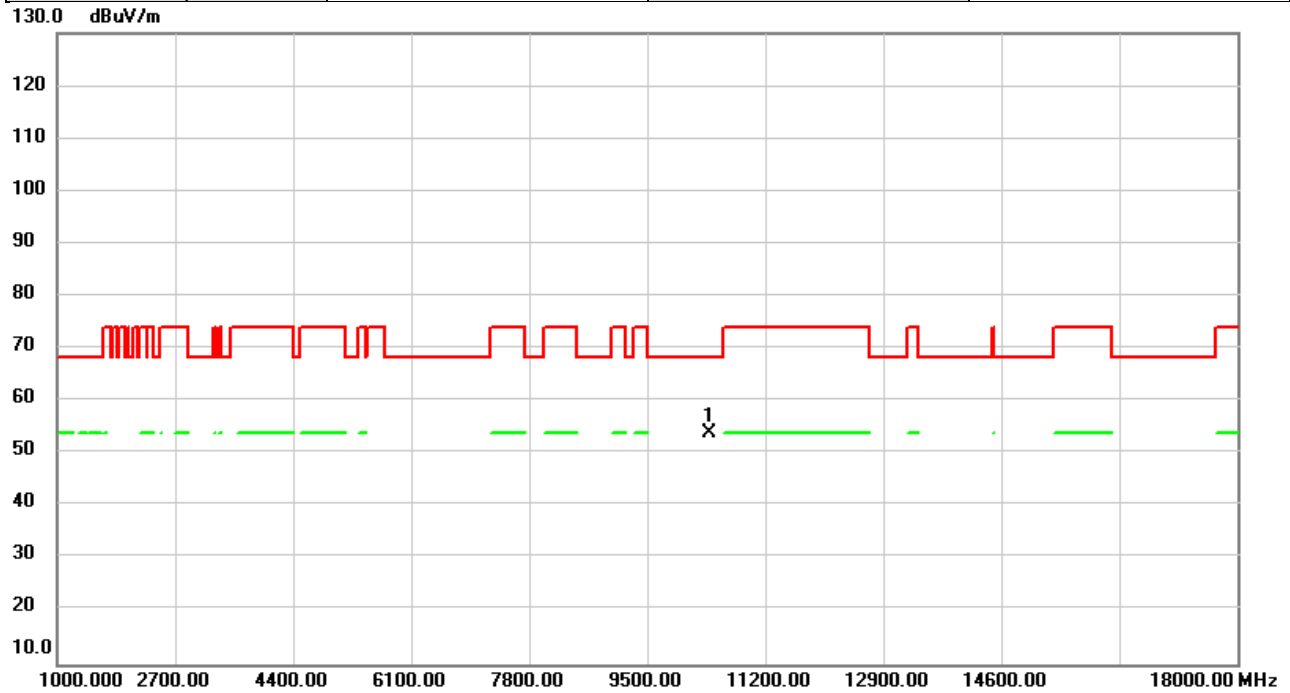


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	10360.00	46.34	6.76	53.10	68.20	-15.10	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5200MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

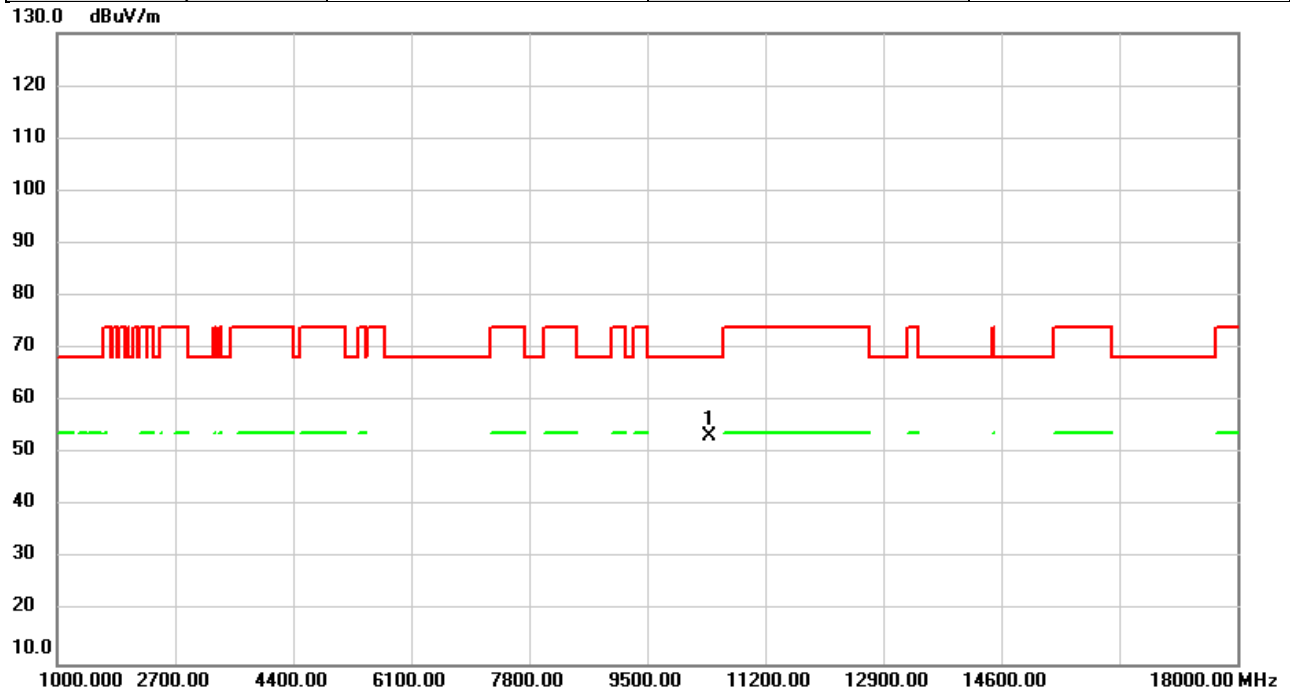


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	47.05	6.78	53.83	68.20	-14.37	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5200MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

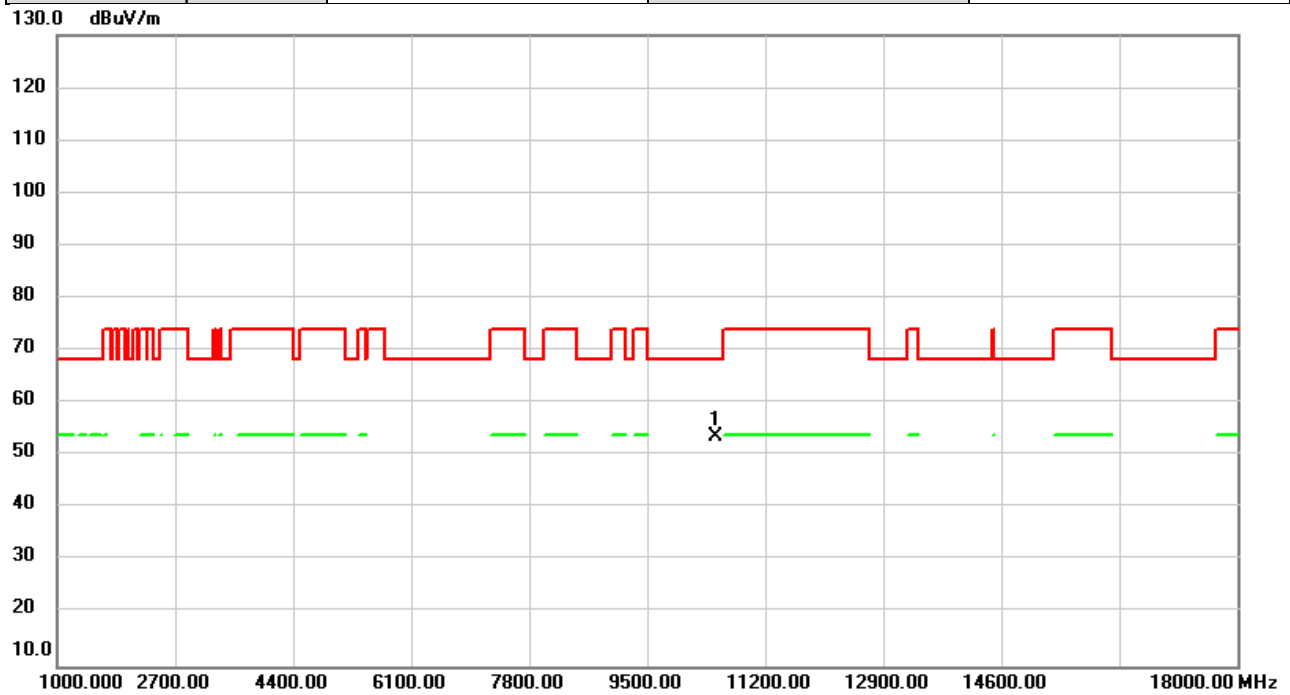


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	10400.00	46.60	6.78	53.38	68.20	-14.82	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5240MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

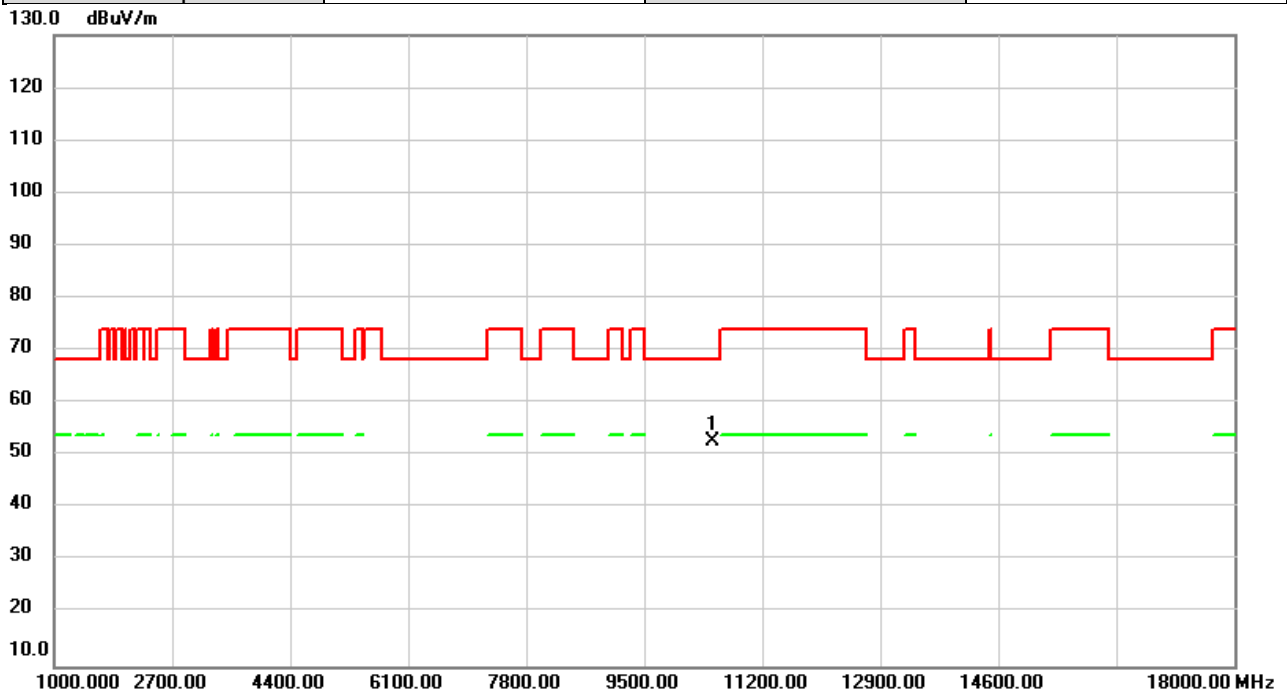


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	10480.00	46.75	6.81	53.56	68.20	-14.64	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5240MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

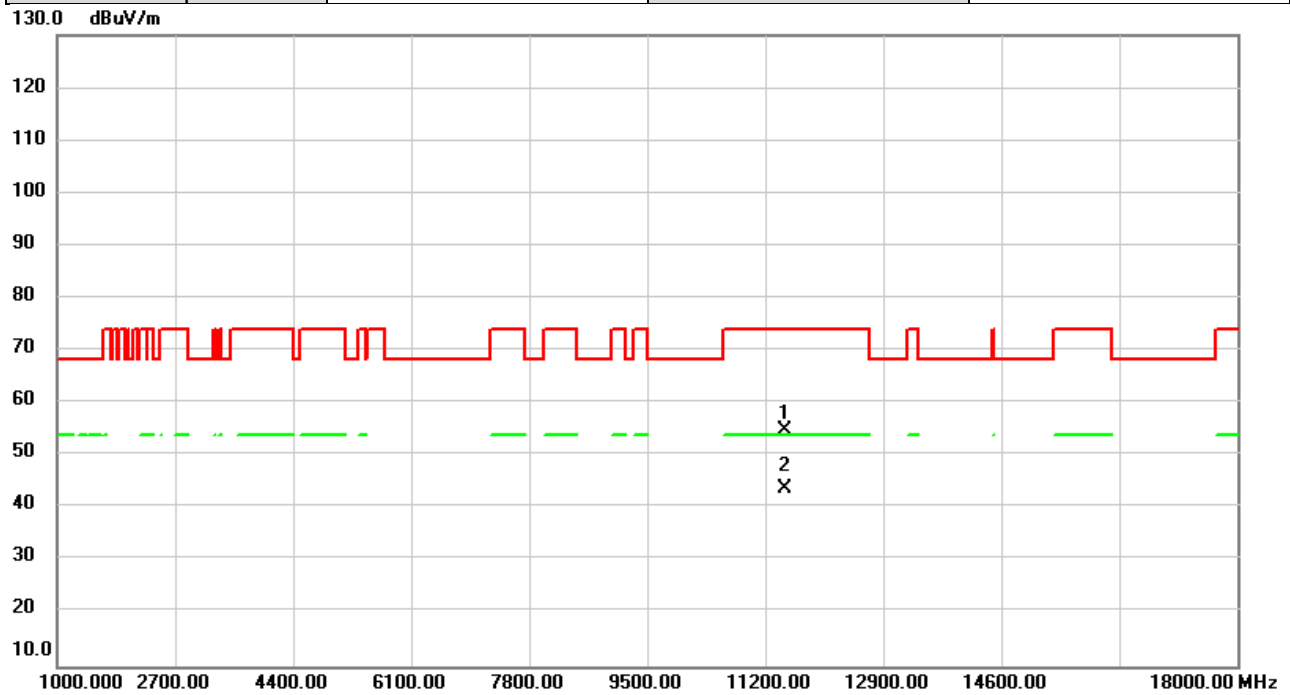


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	10480.00	46.09	6.81	52.90	68.20	-15.30	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5745MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

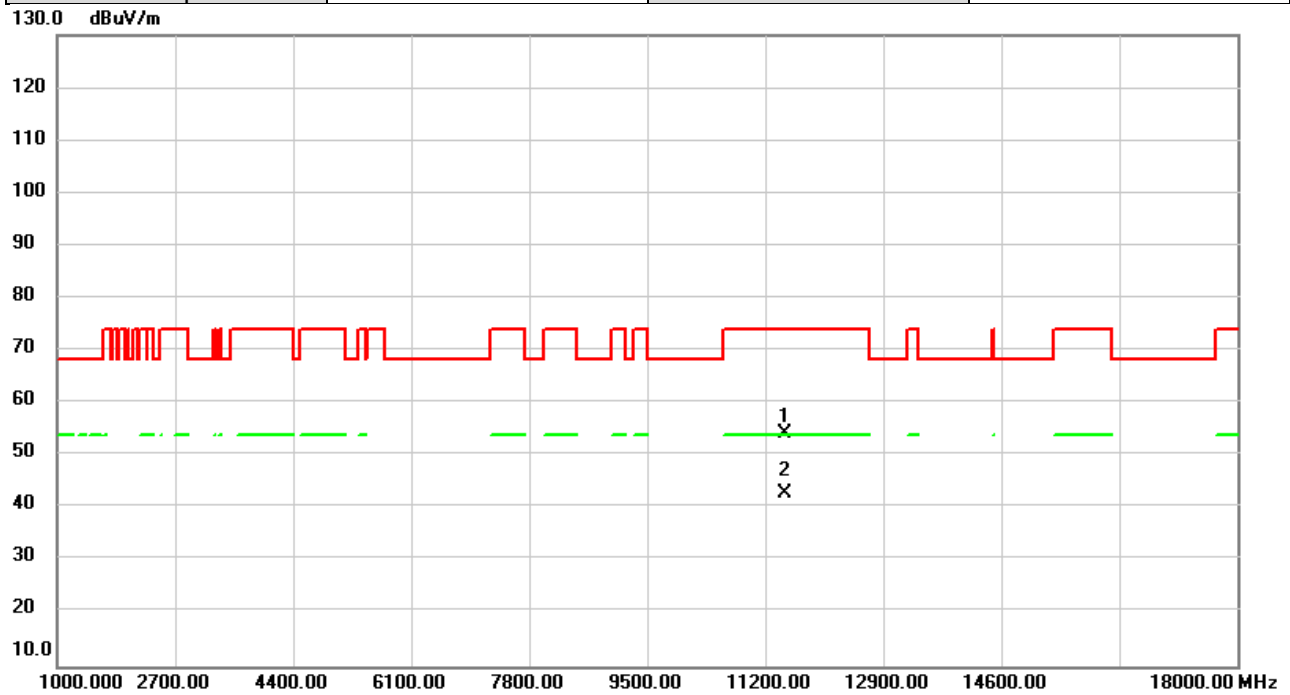


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	47.16	7.56	54.72	74.00	-19.28	peak	
2	*	11490.00	36.09	7.56	43.65	54.00	-10.35	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5745MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

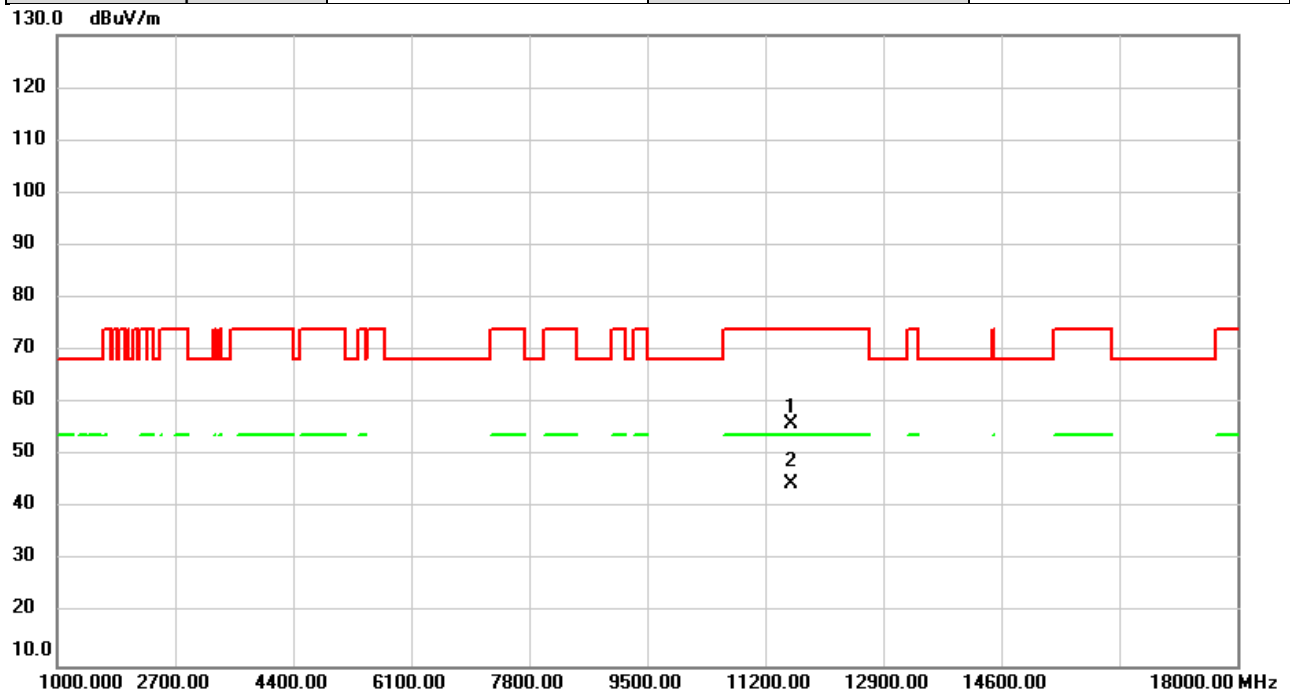


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	46.72	7.56	54.28	74.00	-19.72	peak	
2	*	11490.00	35.44	7.56	43.00	54.00	-11.00	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5785MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

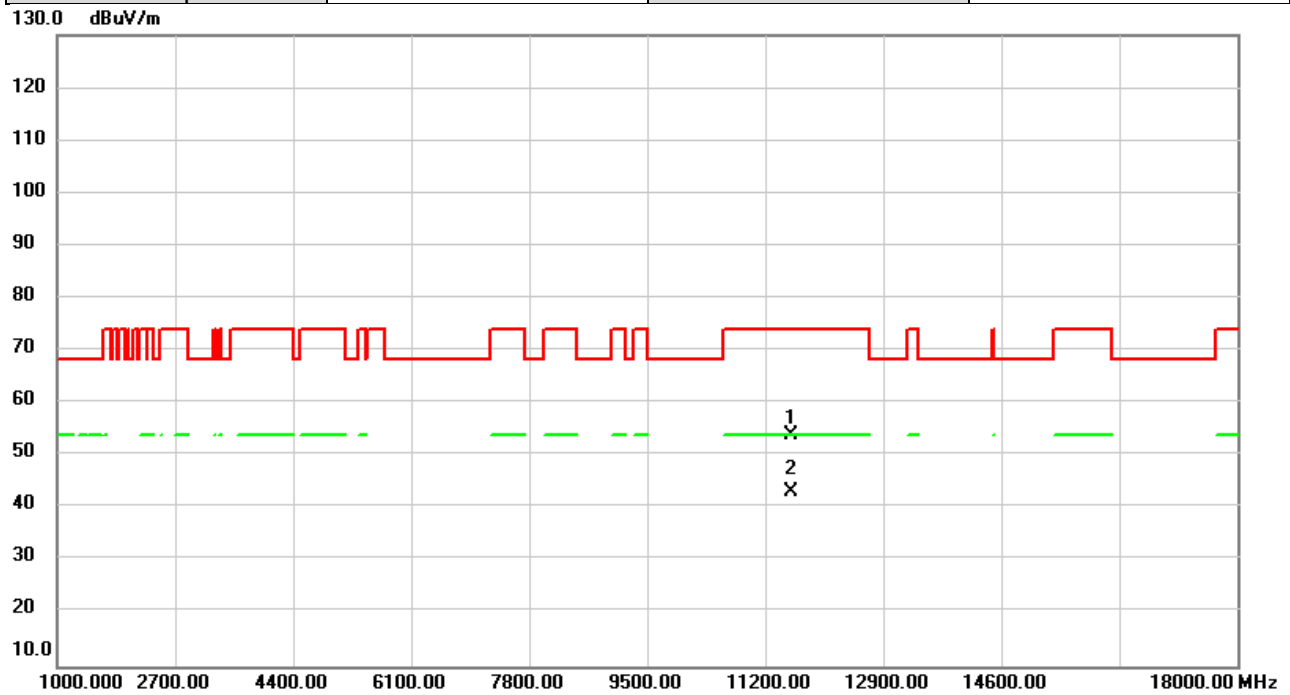


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	48.41	7.59	56.00	74.00	-18.00	peak	
2	*	11570.00	37.13	7.59	44.72	54.00	-9.28	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5785MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

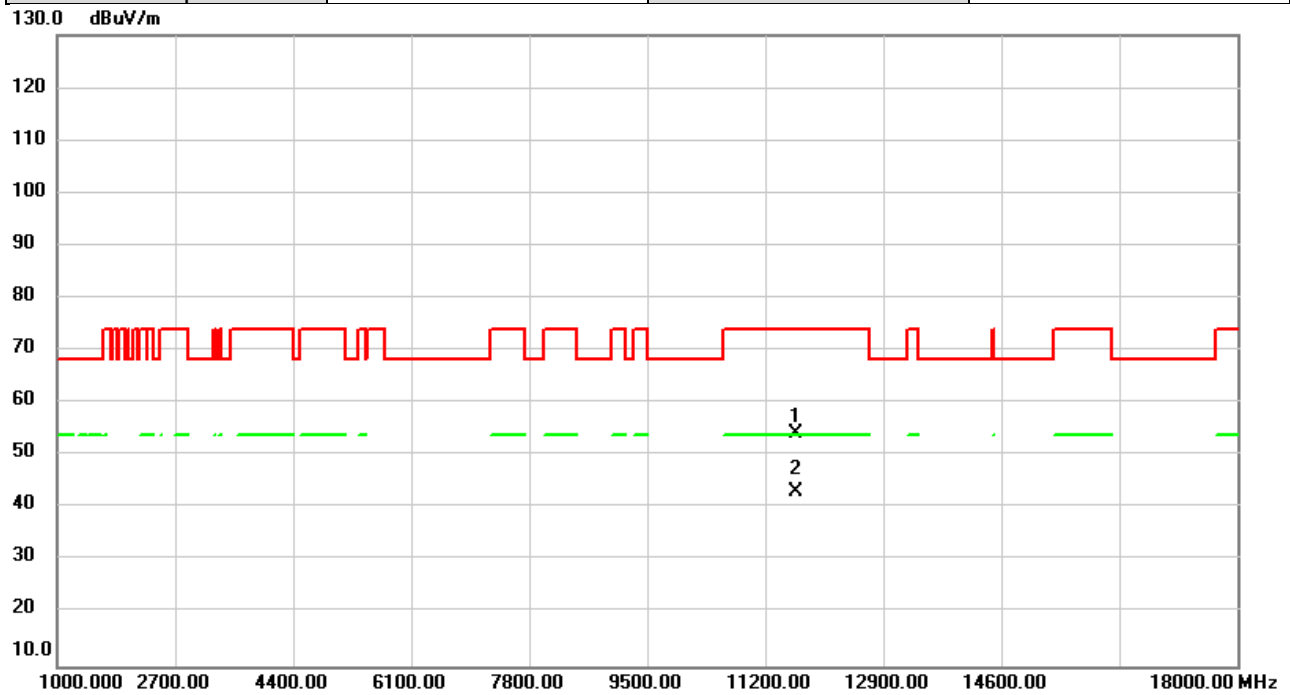


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	46.51	7.59	54.10	74.00	-19.90	peak	
2	*	11570.00	35.48	7.59	43.07	54.00	-10.93	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5825MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

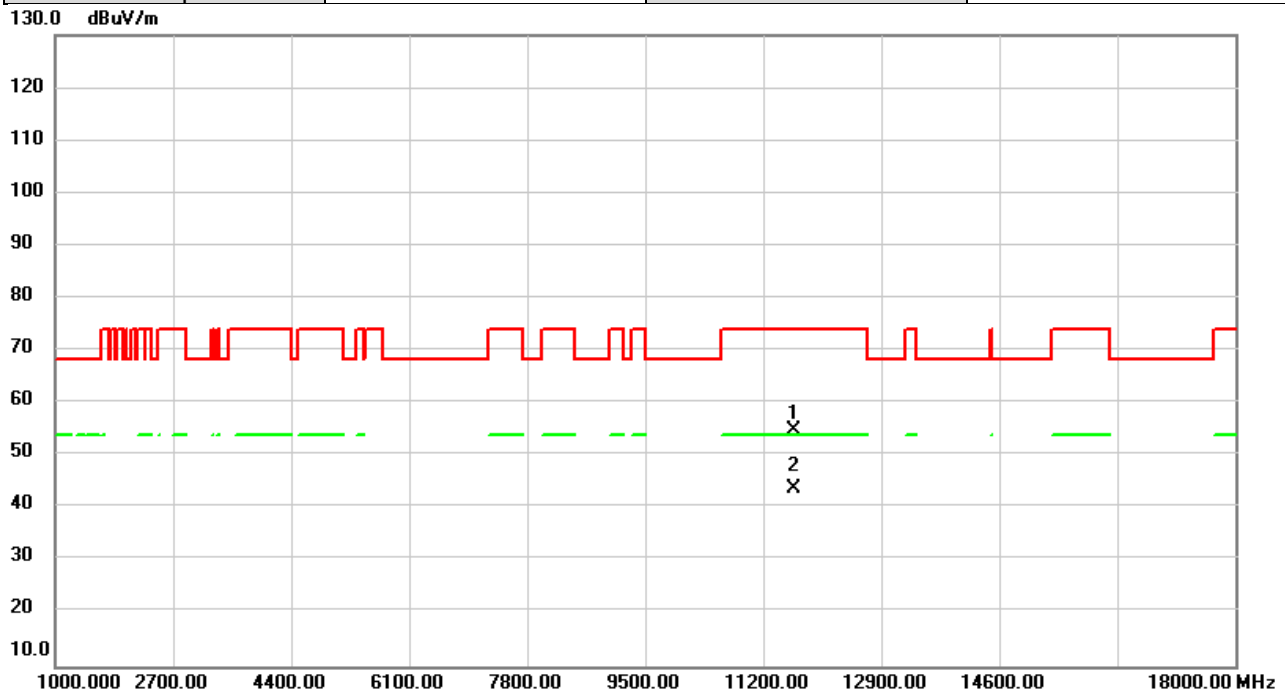


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	46.76	7.62	54.38	74.00	-19.62	peak	
2	*	11650.00	35.62	7.62	43.24	54.00	-10.76	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/10/30
Test Frequency	5825MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

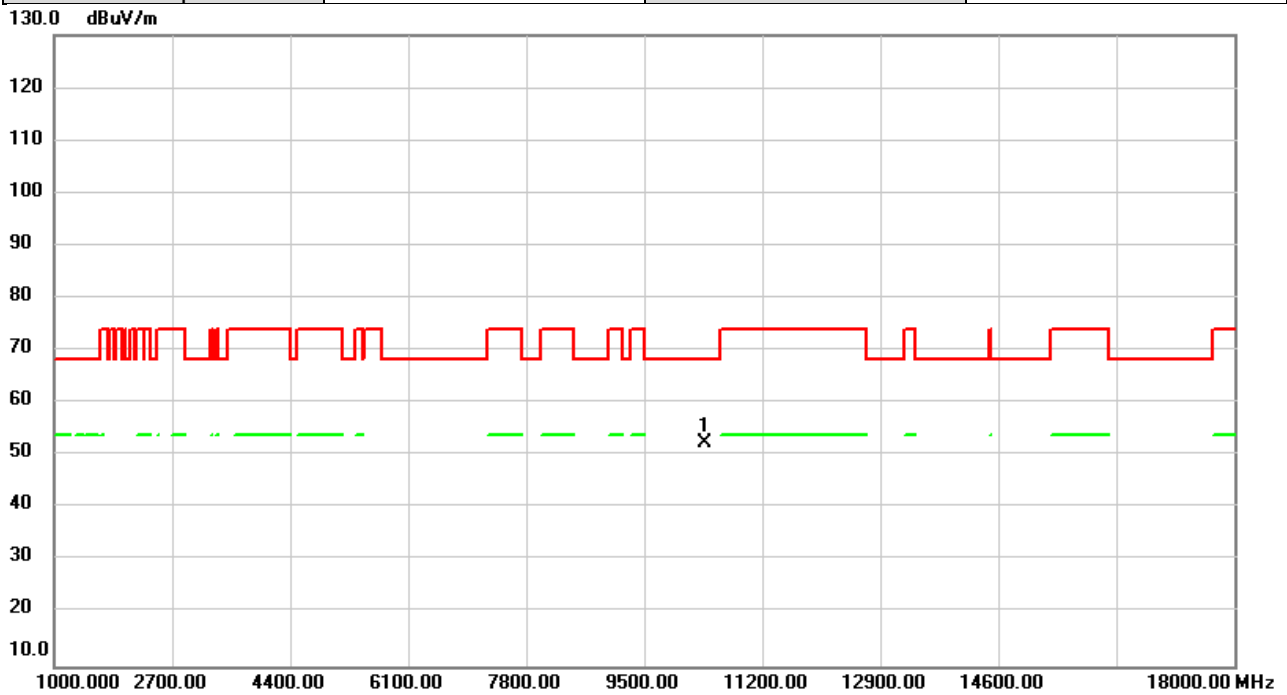


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	47.28	7.62	54.90	74.00	-19.10	peak	
2	*	11650.00	36.15	7.62	43.77	54.00	-10.23	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5190MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

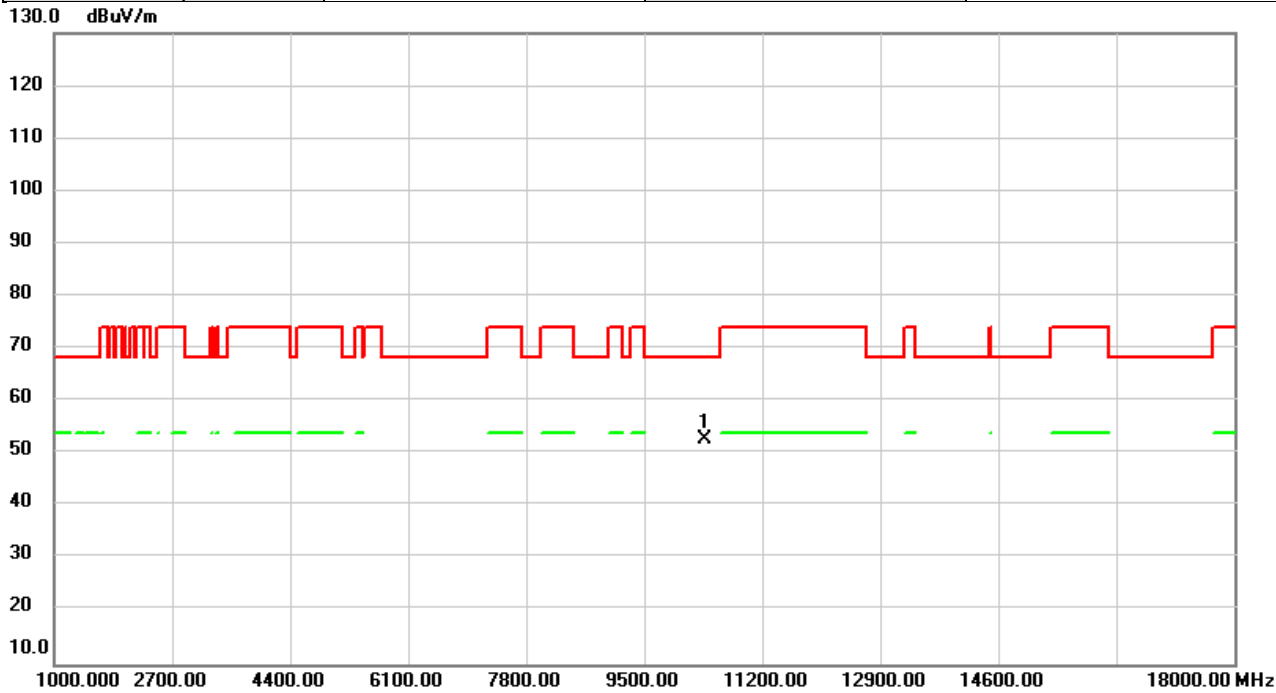


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	10380.00	45.64	6.78	52.42	68.20	-15.78	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5190MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

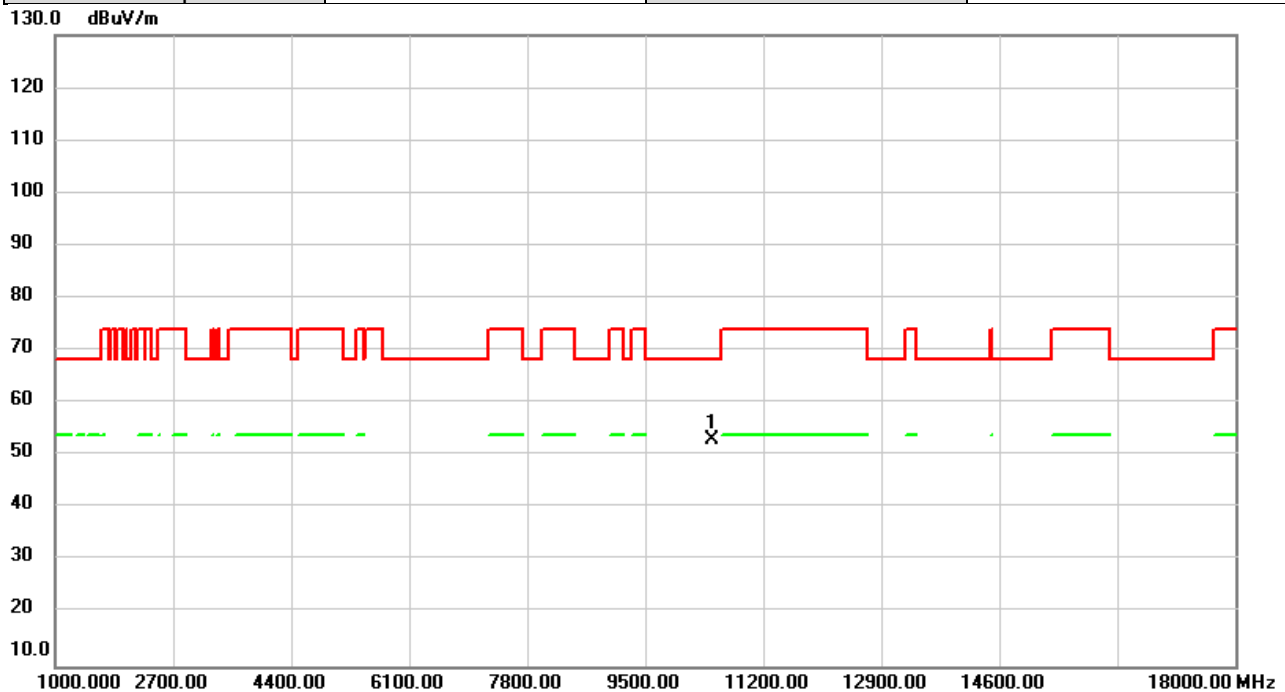


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	45.92	6.78	52.70	68.20	-15.50	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5230MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

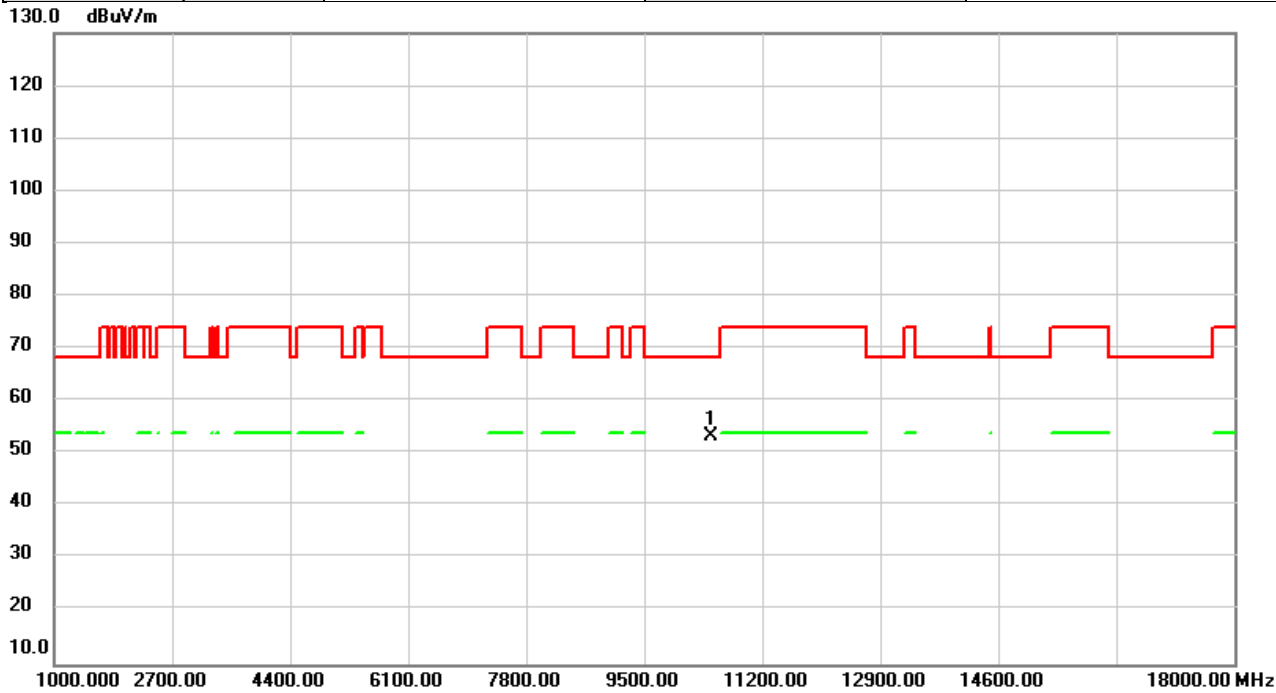


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	46.22	6.80	53.02	68.20	-15.18	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5230MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

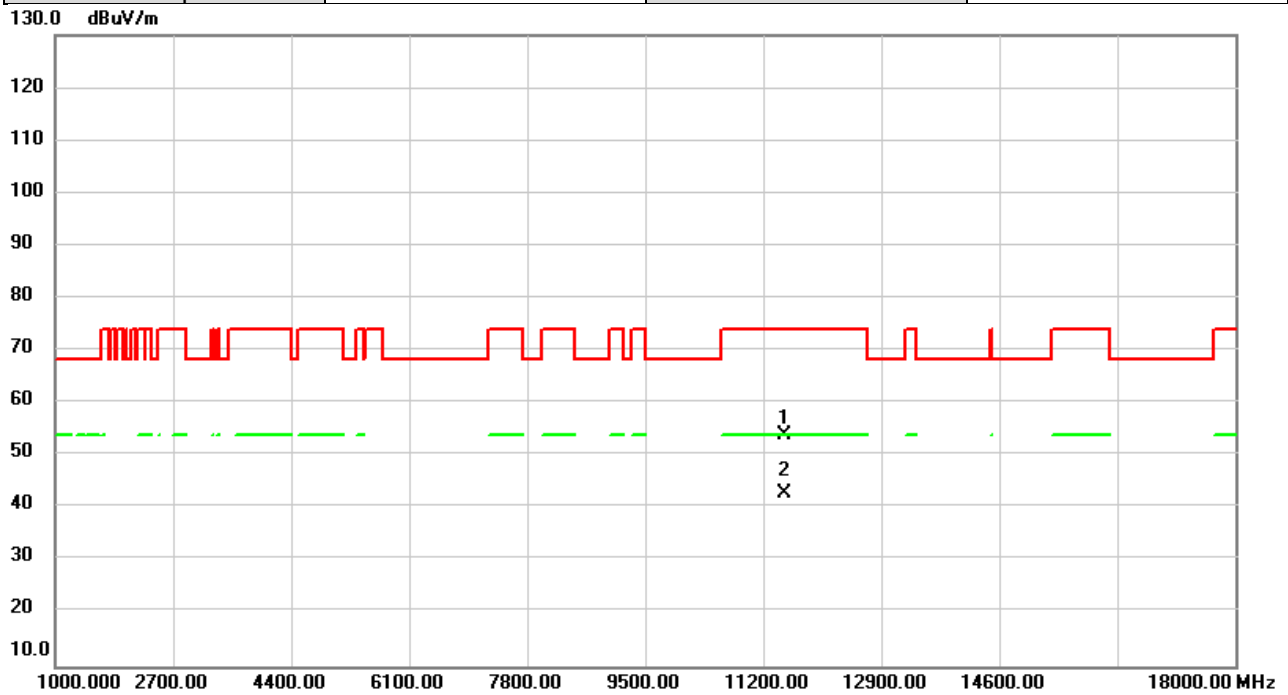


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	10460.00	46.63	6.80	53.43	68.20	-14.77	peak	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5755MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

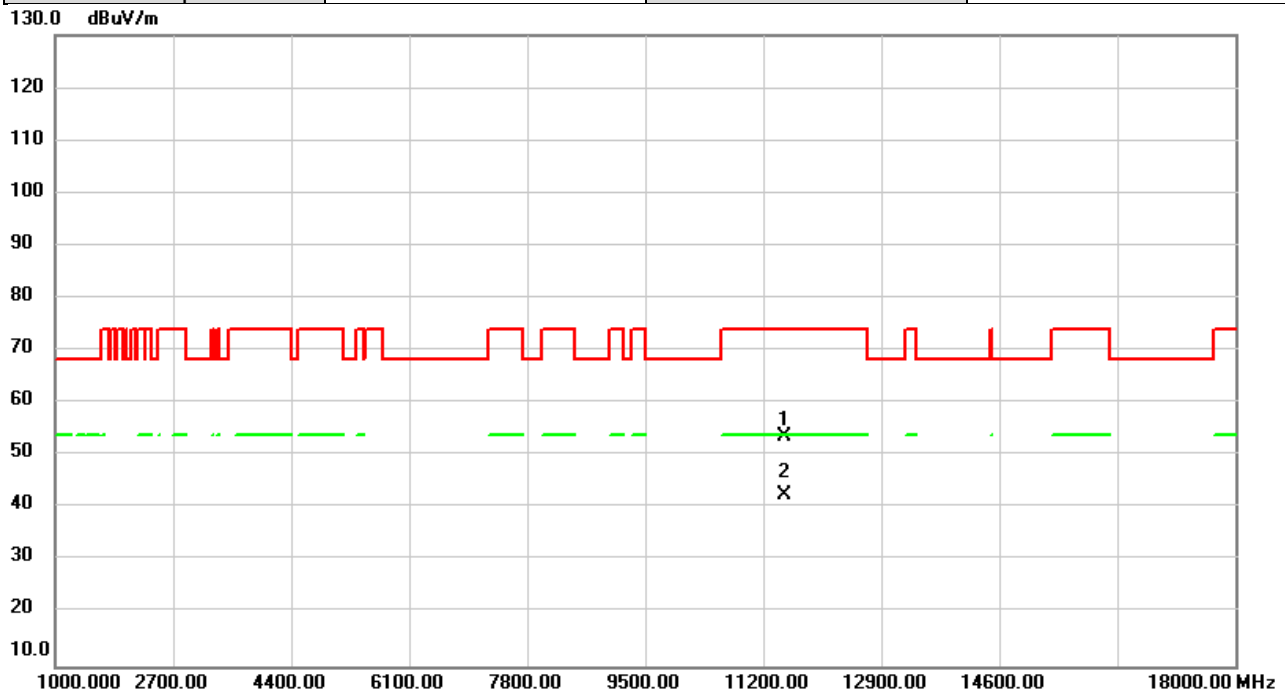


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	46.38	7.57	53.95	74.00	-20.05	peak	
2	*	11510.00	35.31	7.57	42.88	54.00	-11.12	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5755MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

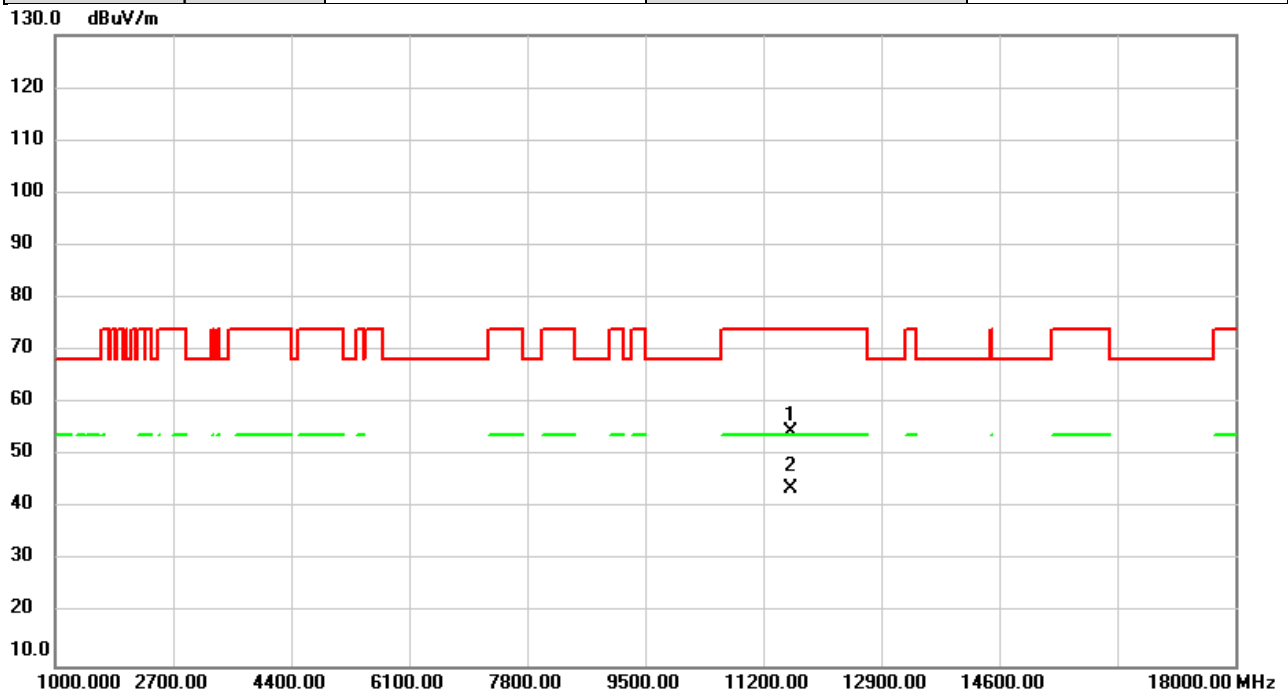


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	46.01	7.57	53.58	74.00	-20.42	peak	
2	*	11510.00	35.00	7.57	42.57	54.00	-11.43	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5795MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

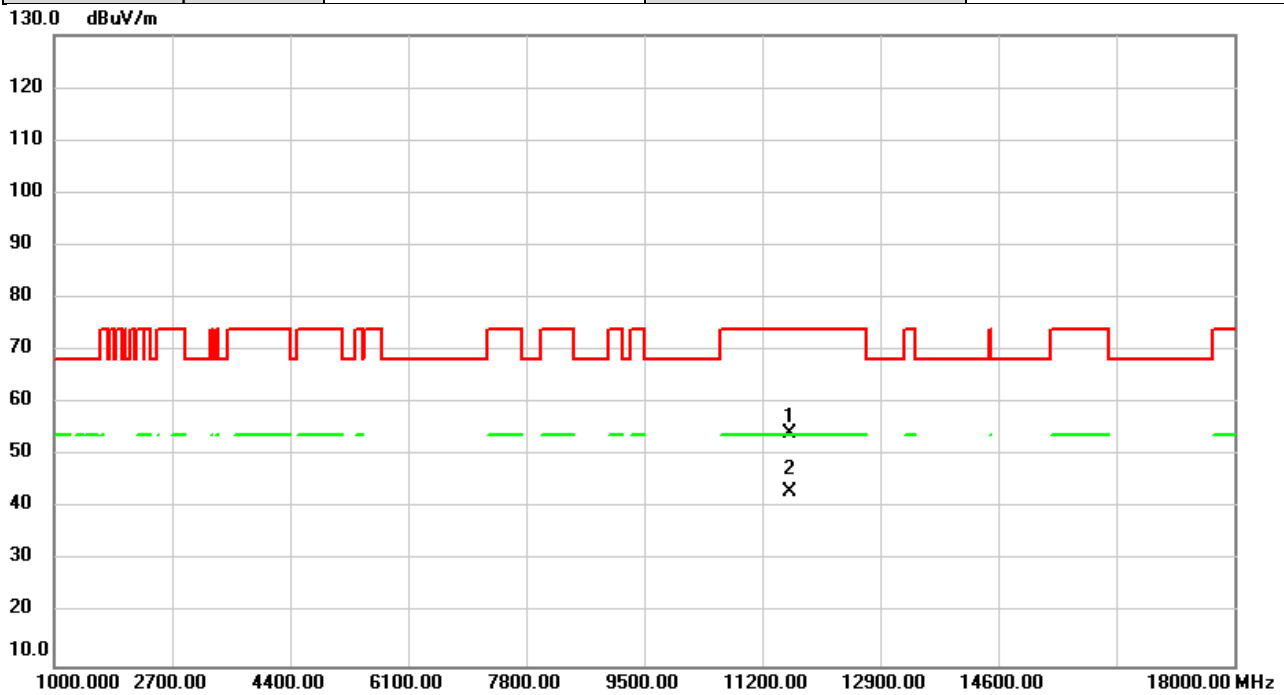


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11590.00	47.03	7.61	54.64	74.00	-19.36	peak	
2	*	11590.00	36.08	7.61	43.69	54.00	-10.31	AVG	

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2024/10/30
Test Frequency	5795MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

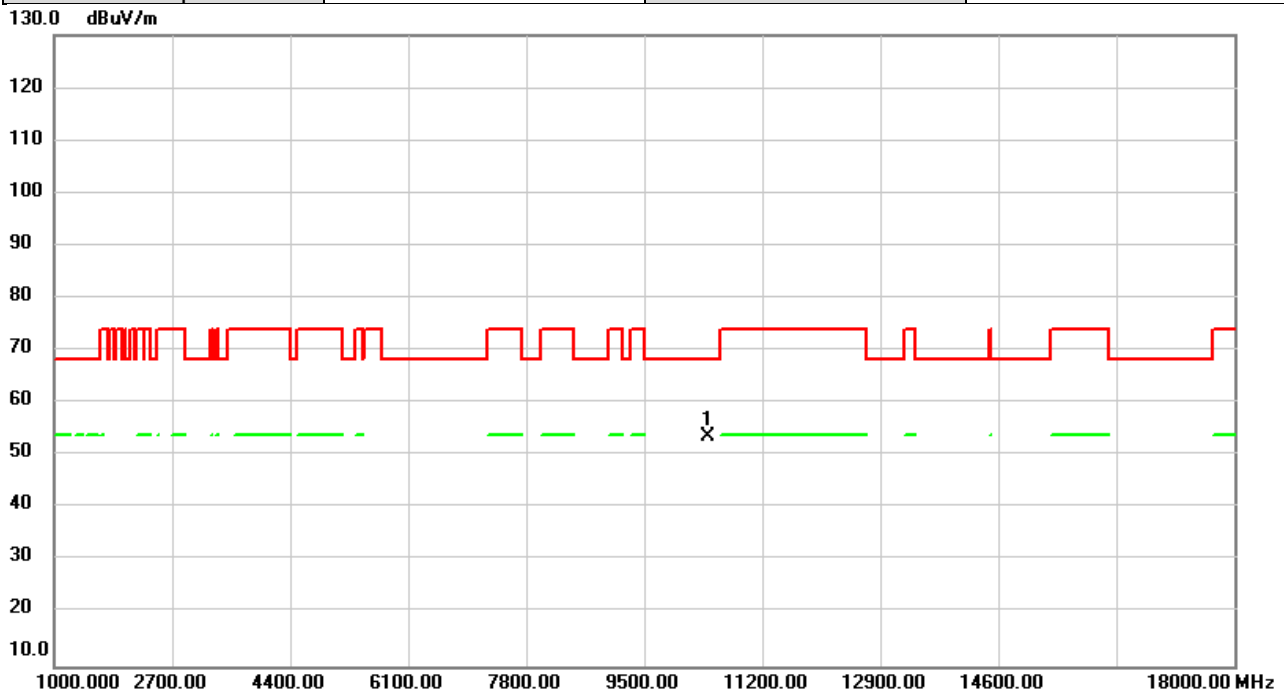


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11590.00	46.55	7.61	54.16	74.00	-19.84	peak	
2	*	11590.00	35.42	7.61	43.03	54.00	-10.97	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2024/10/30
Test Frequency	5210MHz	Polarization	Vertical
Temp	21°C	Hum.	52%



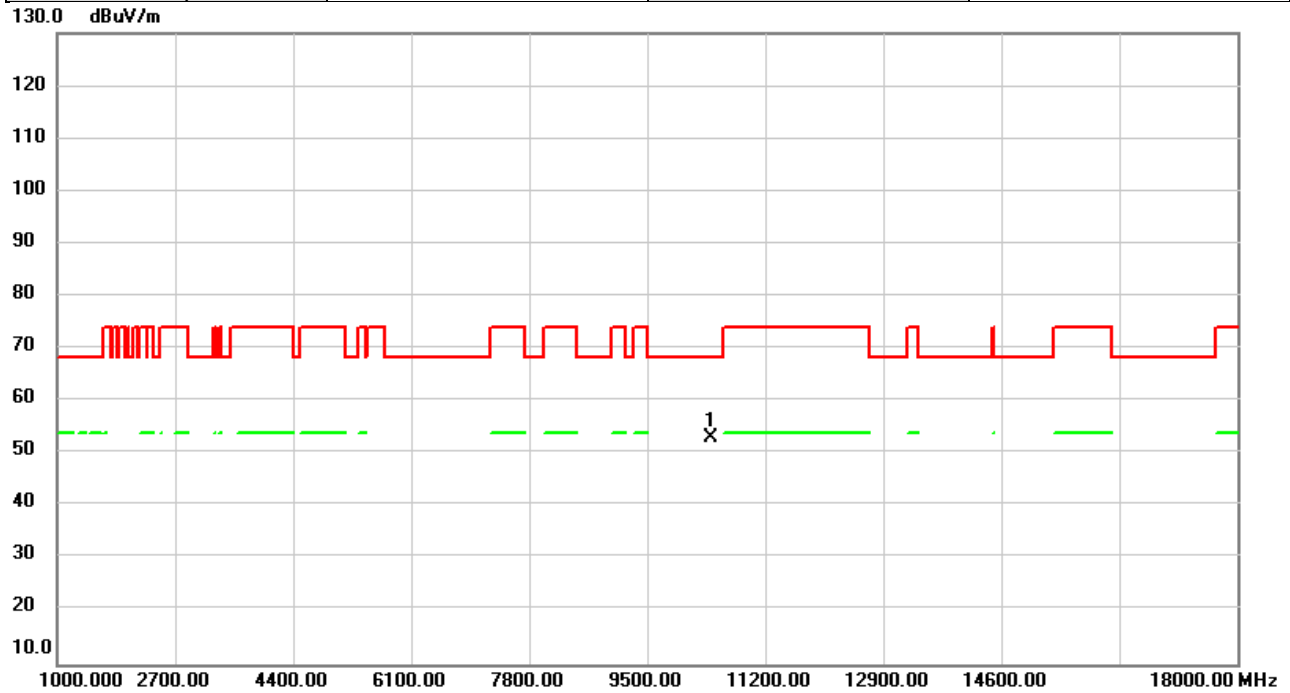
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.00	46.96	6.78	53.74	68.20	-14.46	peak	

REMARKS:

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

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2024/10/30
Test Frequency	5210MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

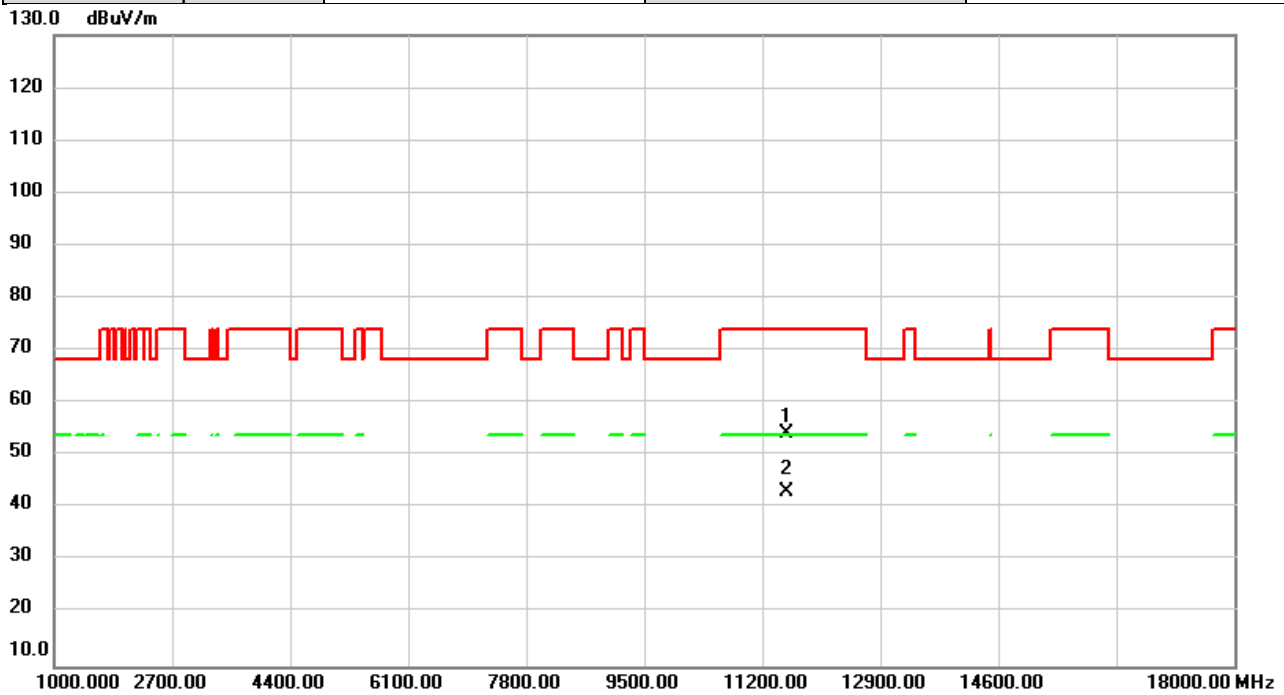


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	10420.00	46.13	6.78	52.91	68.20	-15.29	peak	

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2024/10/30
Test Frequency	5775MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

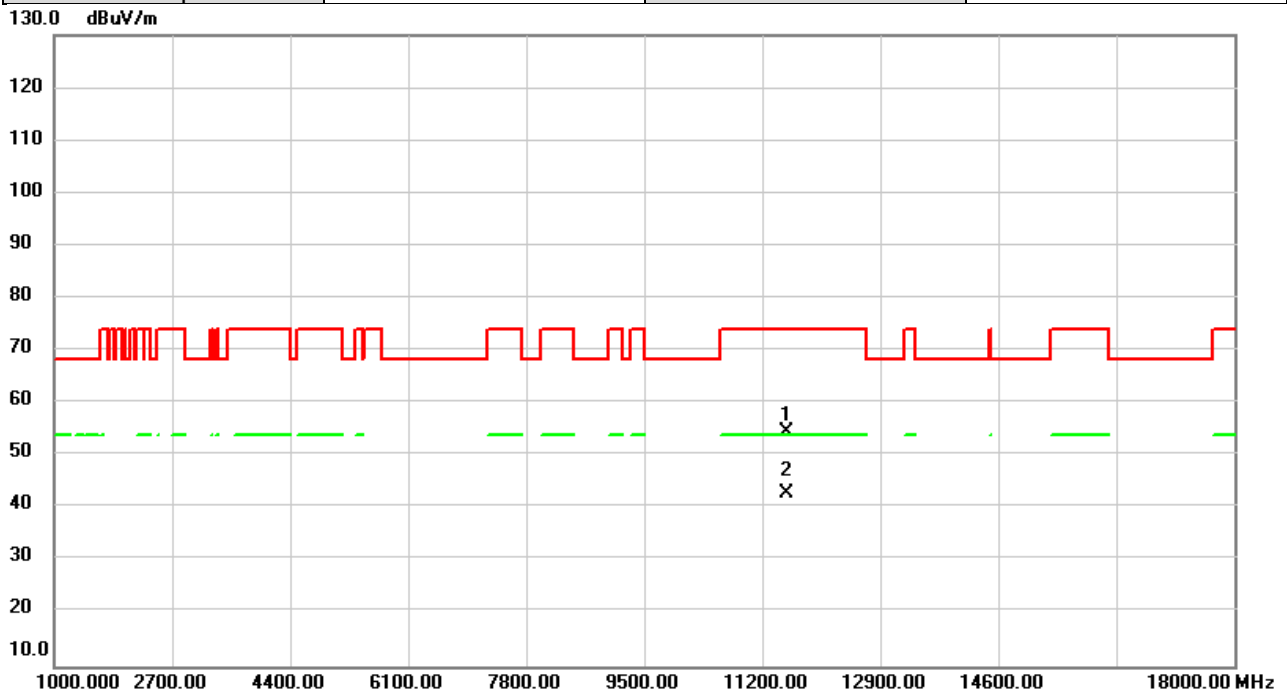


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11550.00	46.80	7.58	54.38	74.00	-19.62	peak	
2	*	11550.00	35.60	7.58	43.18	54.00	-10.82	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2024/10/30
Test Frequency	5775MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

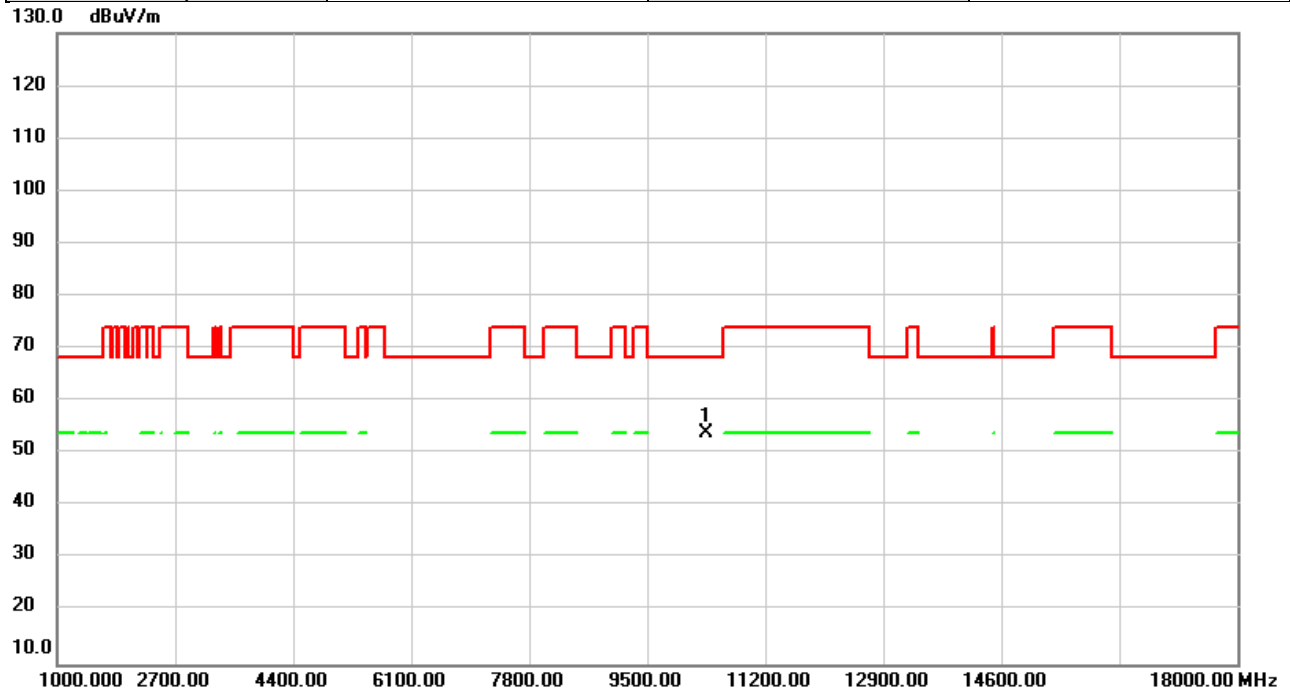


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11550.00	46.85	7.58	54.43	74.00	-19.57	peak	
2	*	11550.00	35.42	7.58	43.00	54.00	-11.00	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5180MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

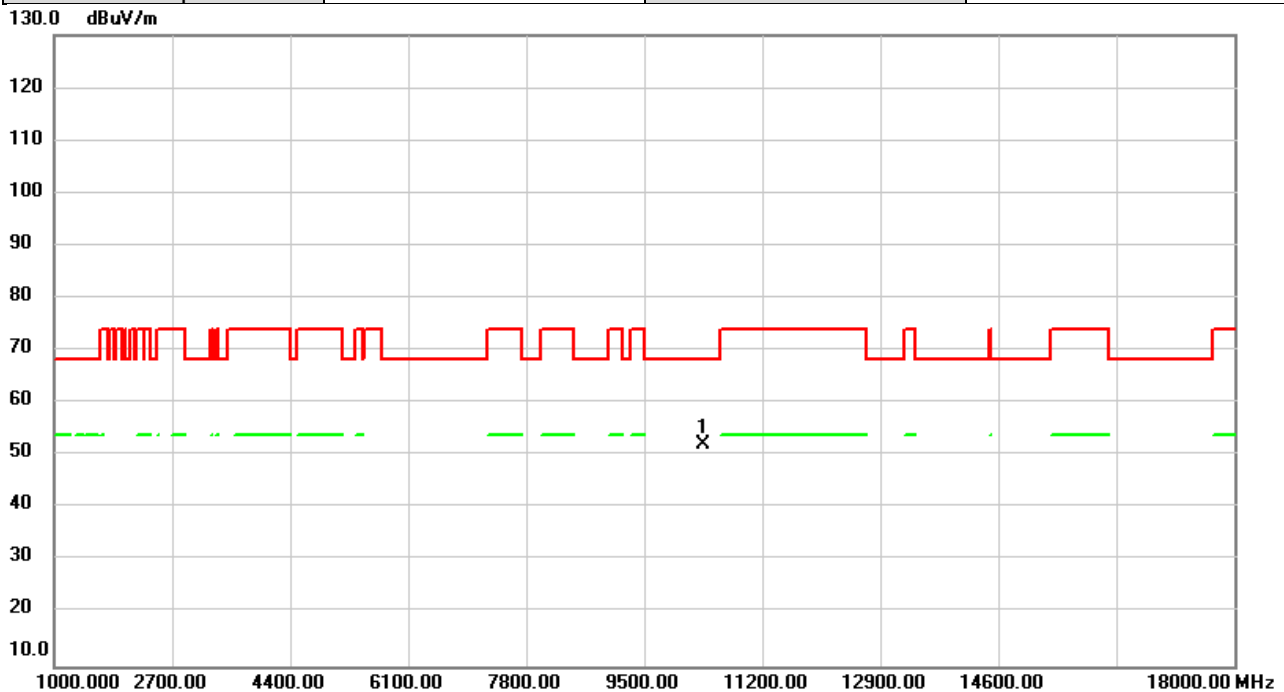


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	47.14	6.76	53.90	68.20	-14.30	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5180MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

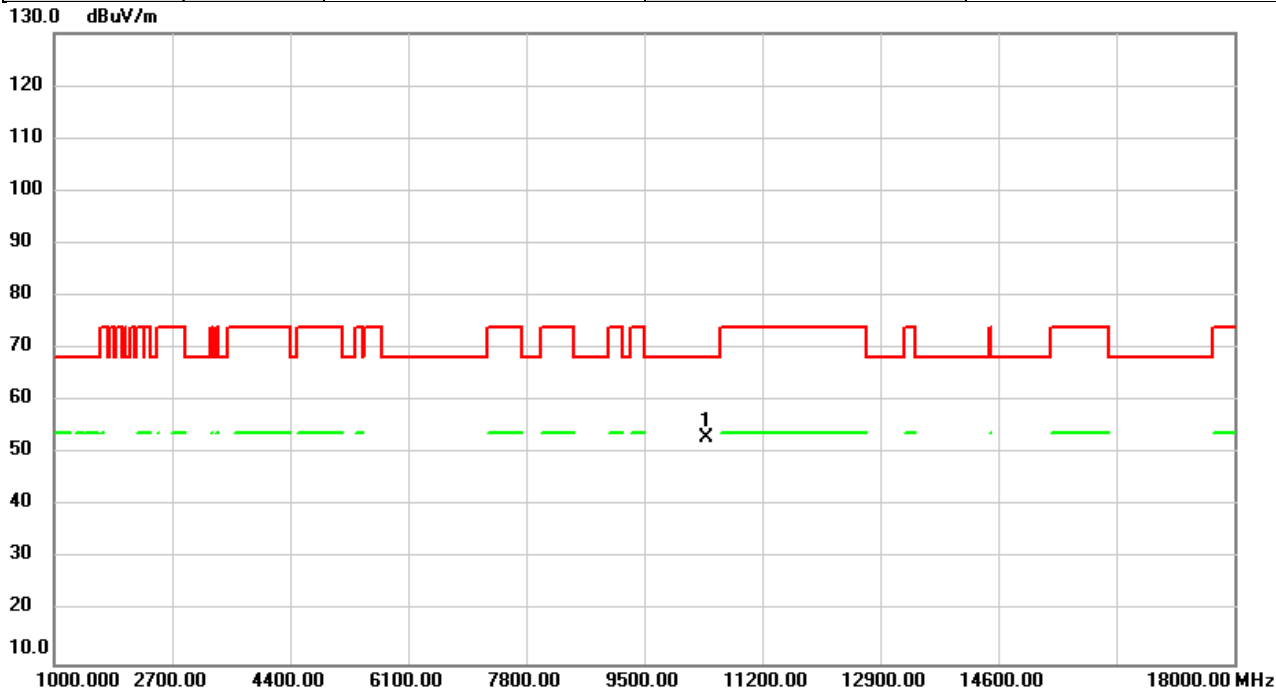


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	45.37	6.76	52.13	68.20	-16.07	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5200MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

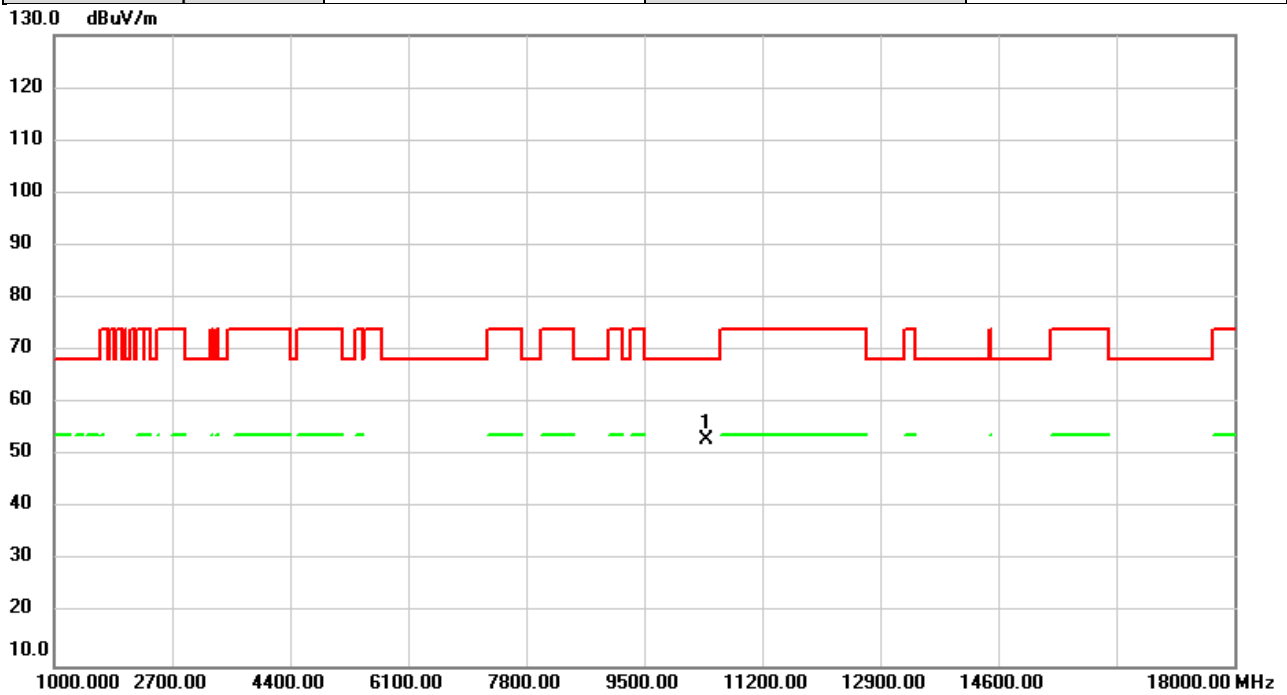


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	46.37	6.78	53.15	68.20	-15.05	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5200MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

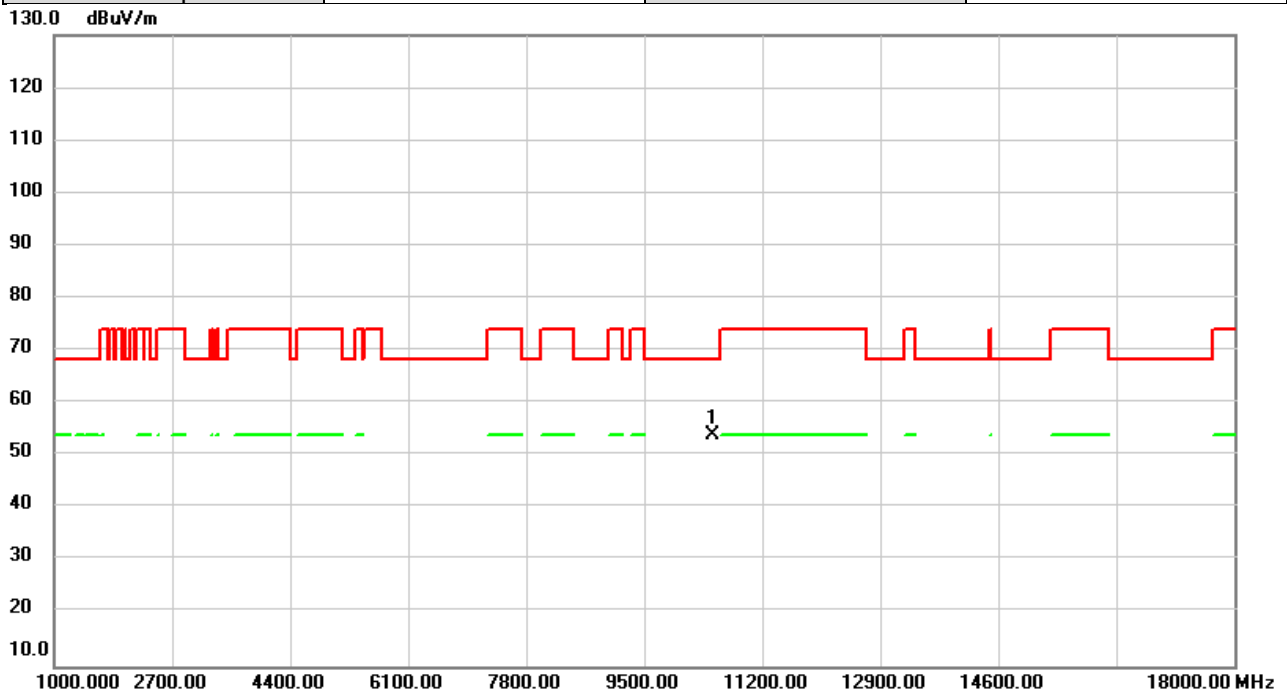


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	46.25	6.78	53.03	68.20	-15.17	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5240MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

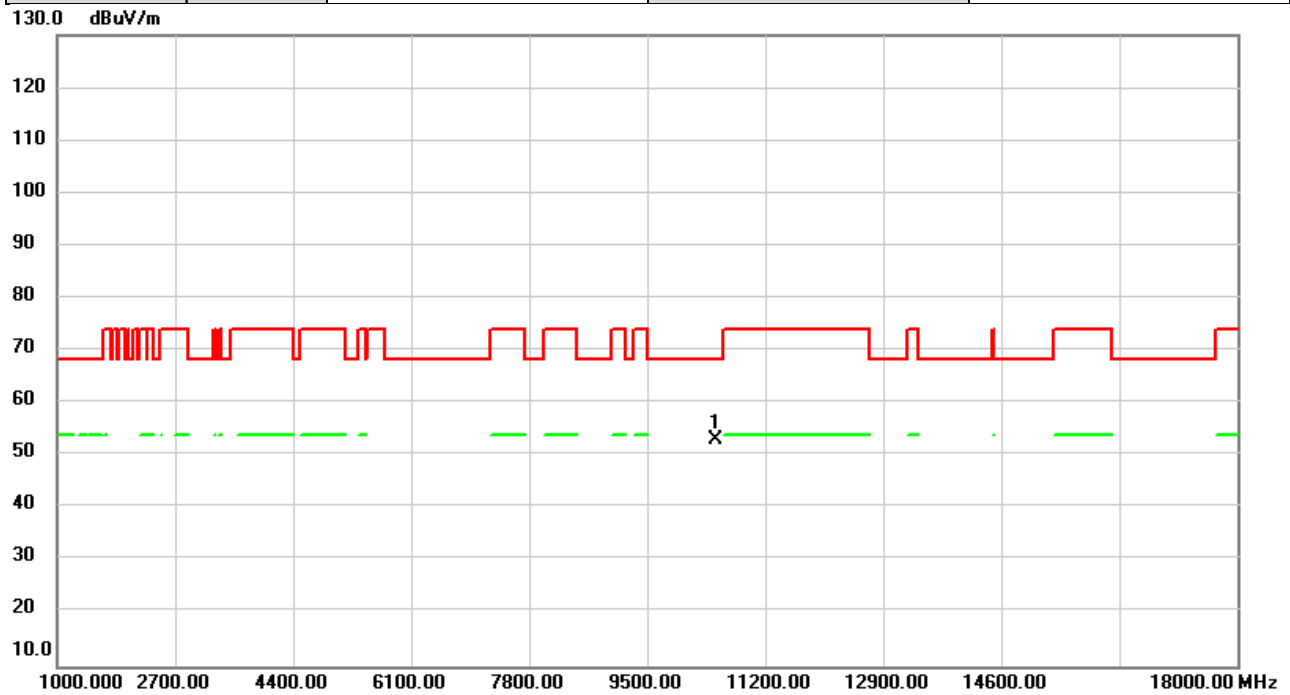


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	47.21	6.81	54.02	68.20	-14.18	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5240MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%



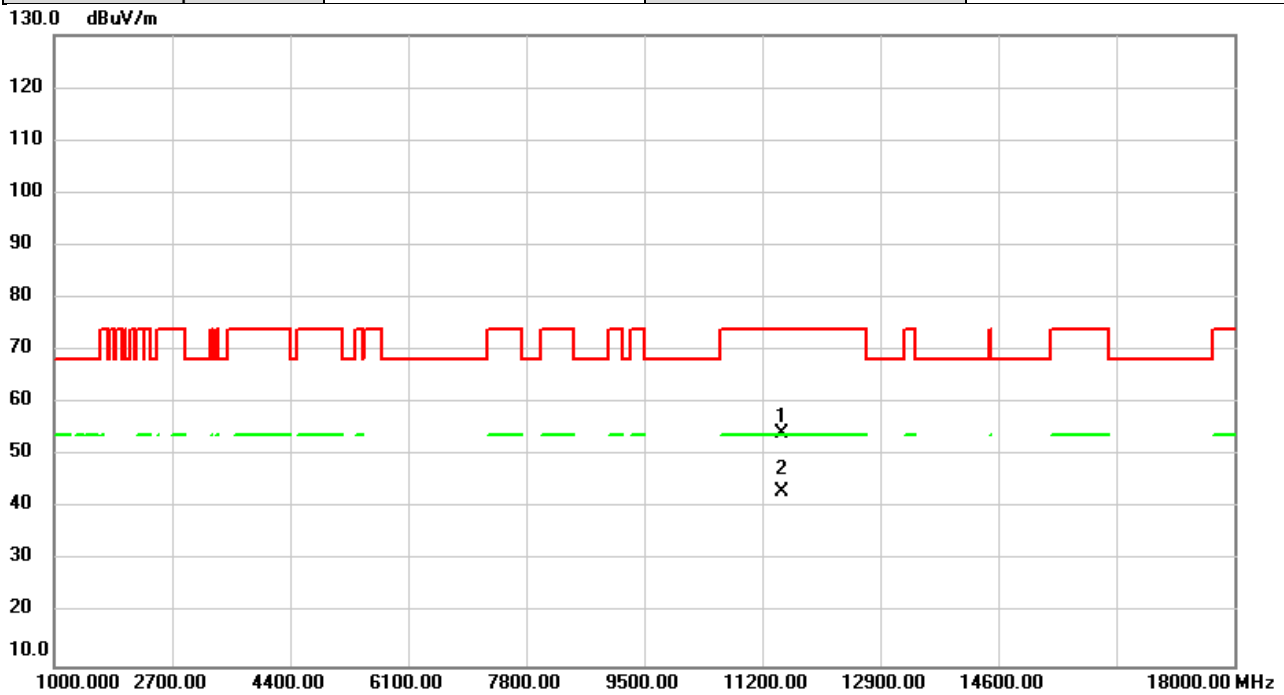
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	46.13	6.81	52.94	68.20	-15.26	peak	

REMARKS:

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

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5745MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

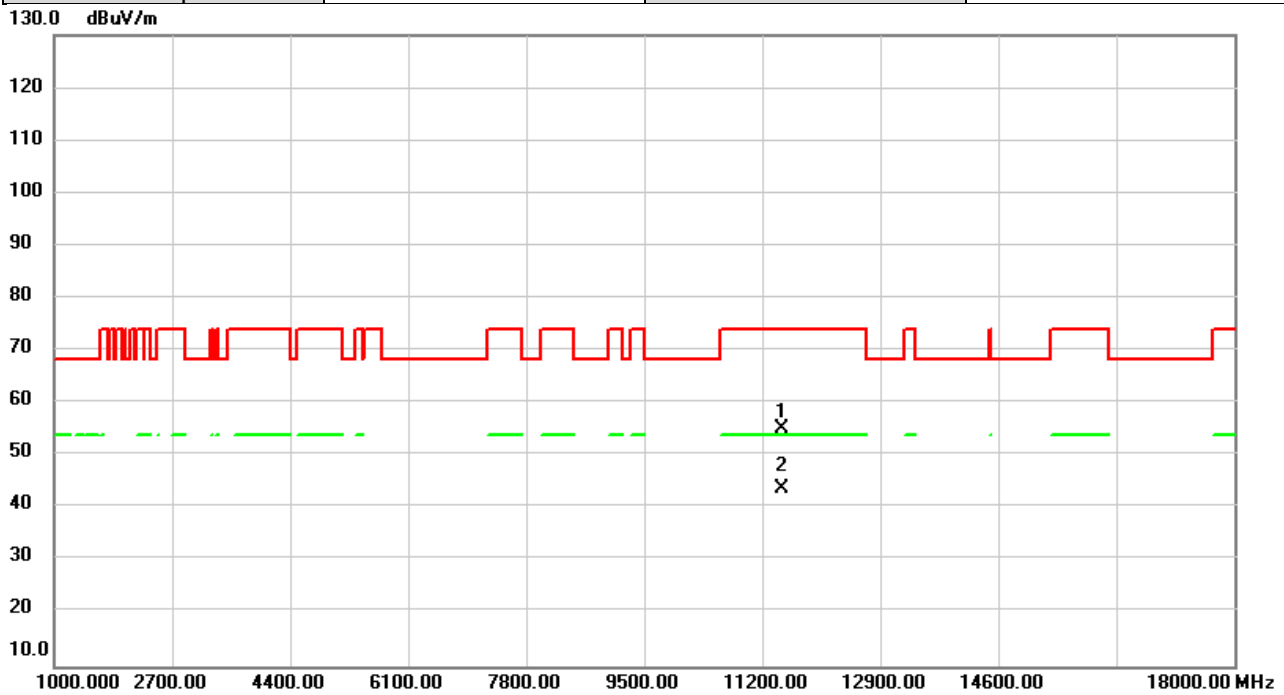


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	46.80	7.56	54.36	74.00	-19.64	peak	
2	*	11490.00	35.61	7.56	43.17	54.00	-10.83	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5745MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

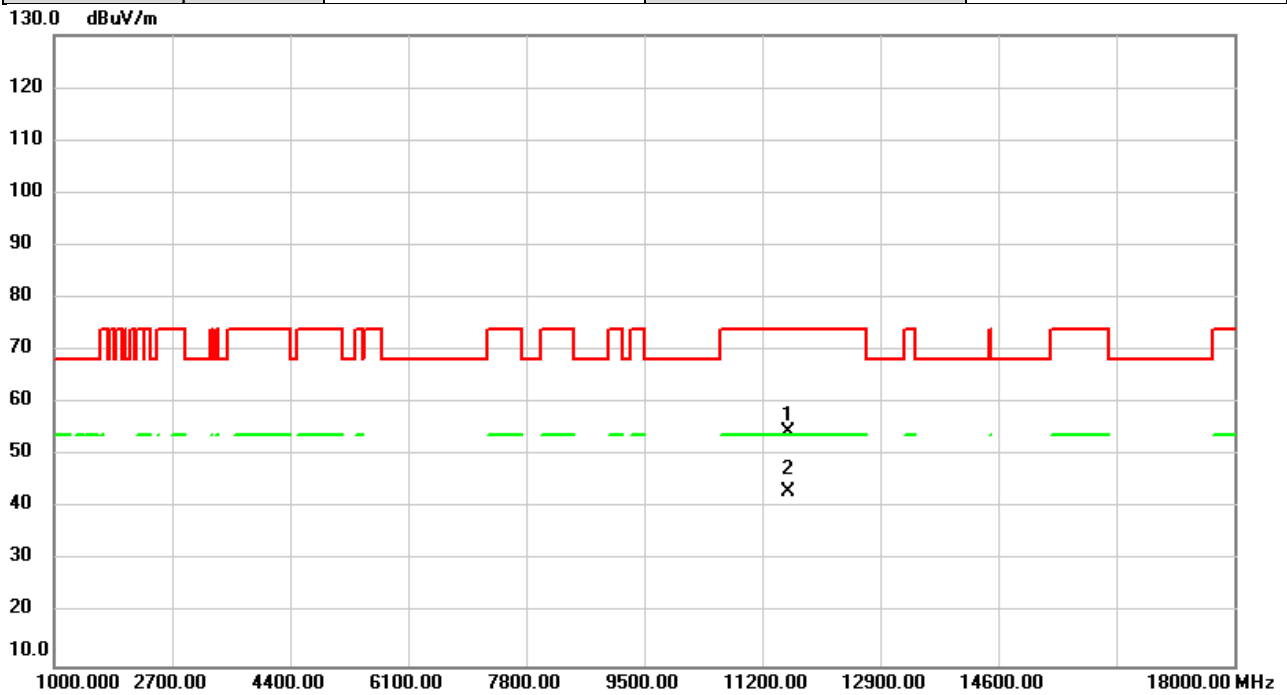


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	47.45	7.56	55.01	74.00	-18.99	peak	
2	*	11490.00	36.30	7.56	43.86	54.00	-10.14	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5785MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

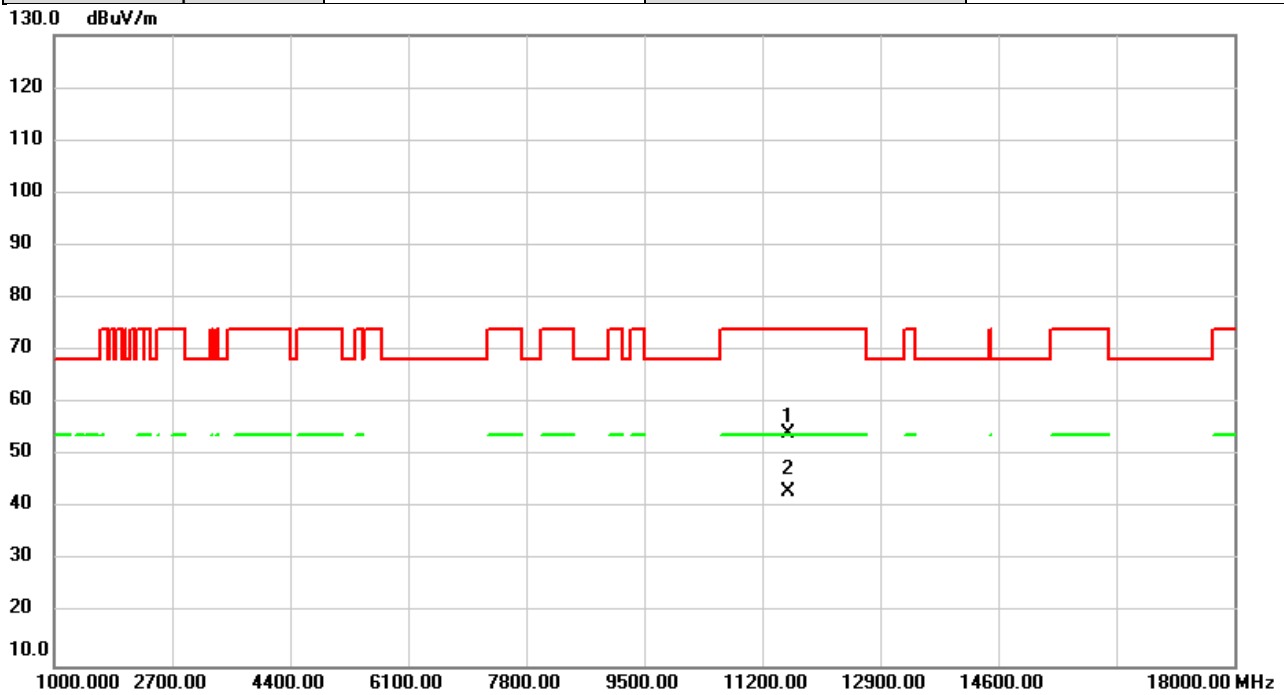


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	46.94	7.59	54.53	74.00	-19.47	peak	
2	*	11570.00	35.62	7.59	43.21	54.00	-10.79	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5785MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

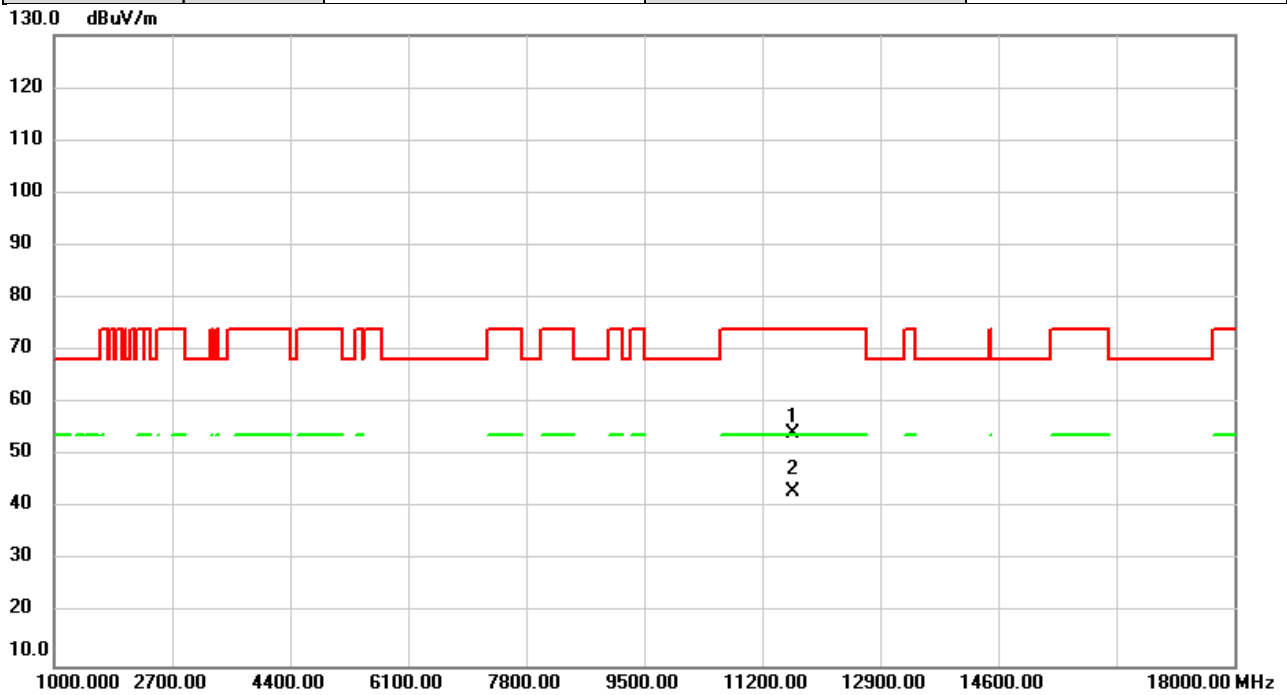


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	46.64	7.59	54.23	74.00	-19.77	peak	
2	*	11570.00	35.43	7.59	43.02	54.00	-10.98	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5825MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

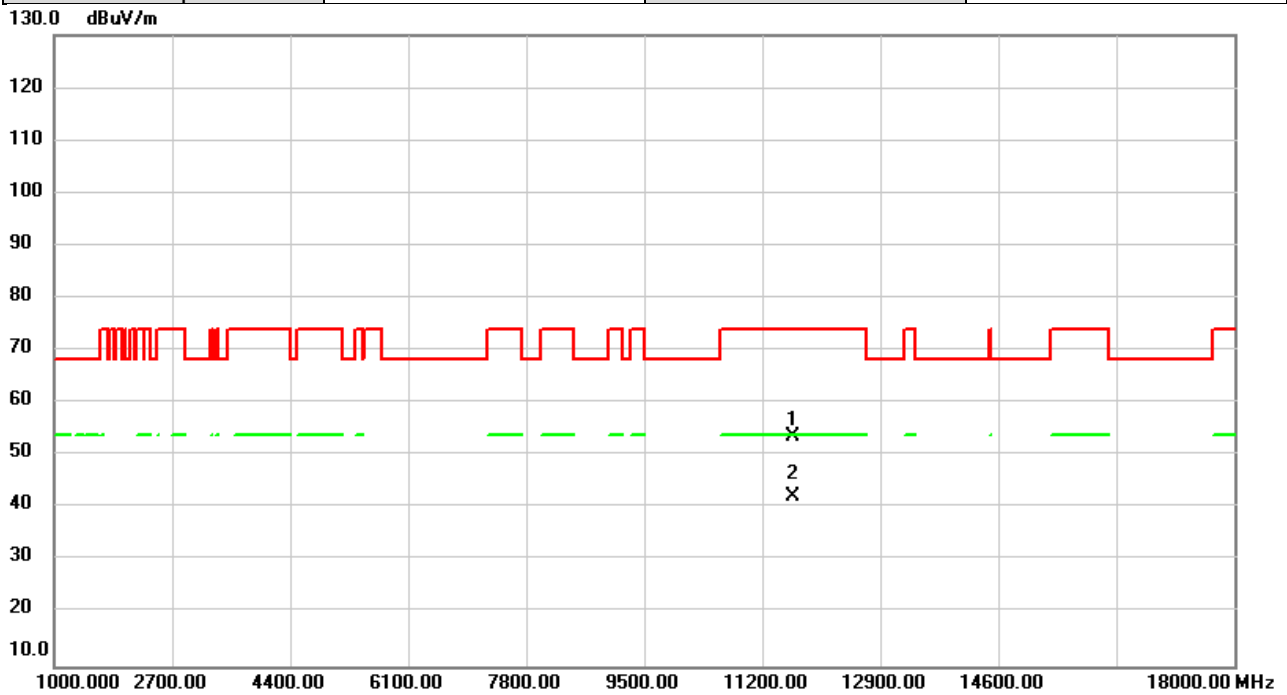


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	46.78	7.62	54.40	74.00	-19.60	peak	
2	*	11650.00	35.46	7.62	43.08	54.00	-10.92	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2024/10/30
Test Frequency	5825MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

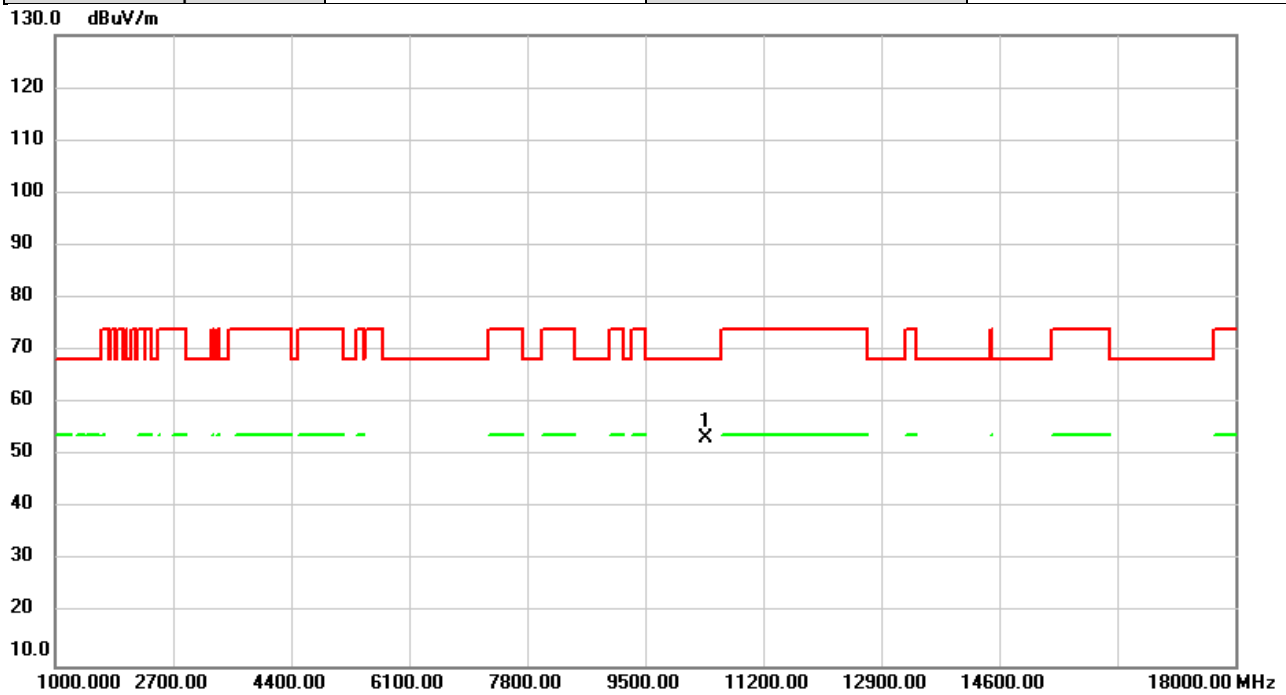


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	45.96	7.62	53.58	74.00	-20.42	peak	
2	*	11650.00	34.77	7.62	42.39	54.00	-11.61	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5190MHz	Polarization	Vertical
Temp	21°C	Hum.	52%



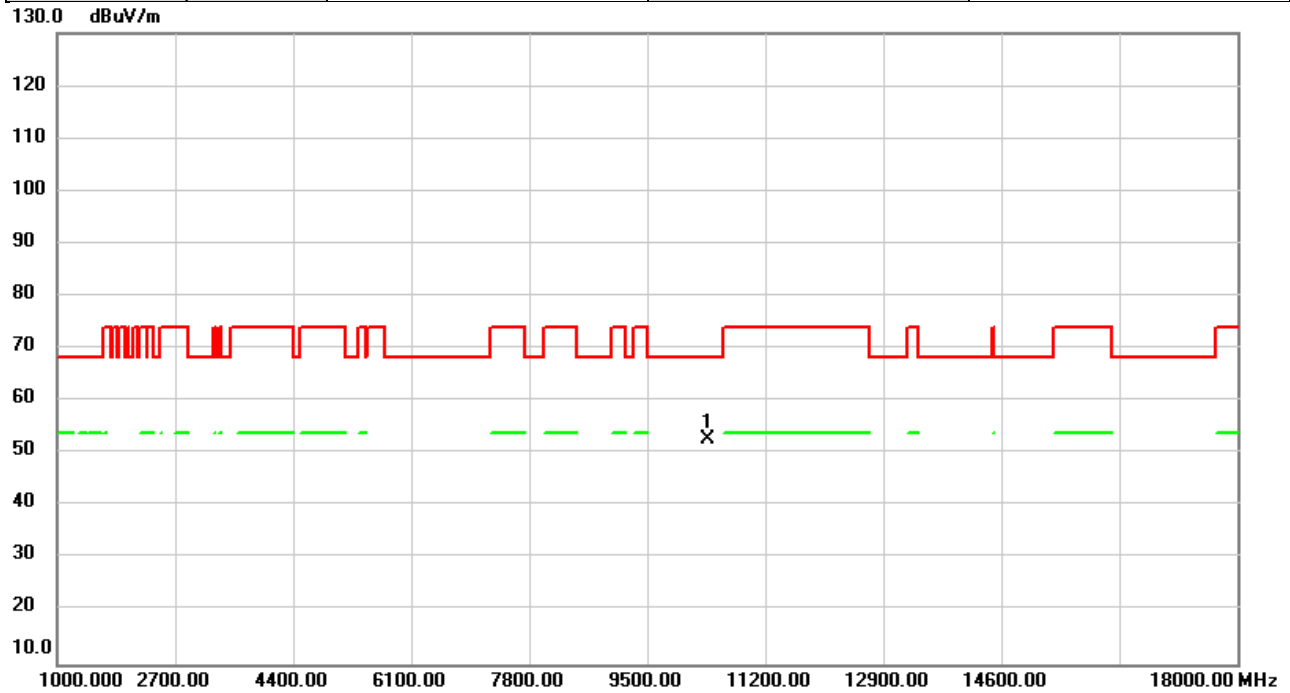
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	46.66	6.78	53.44	68.20	-14.76	peak	

REMARKS:

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

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5190MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

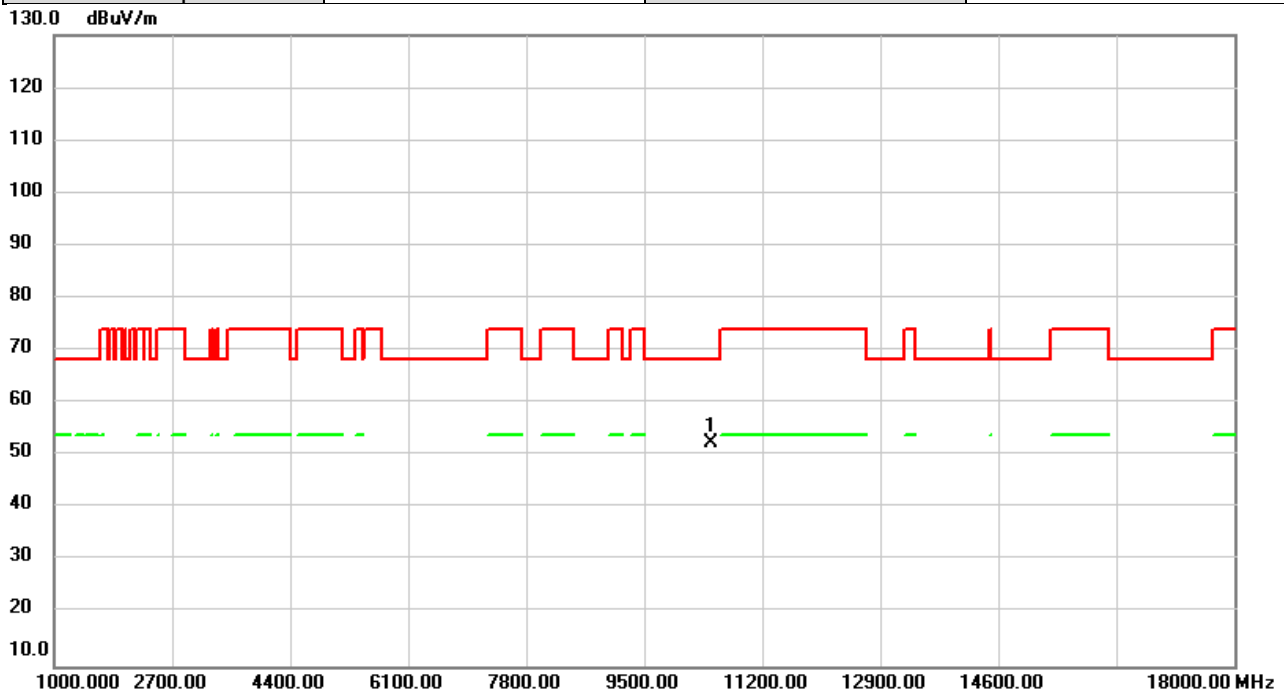


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	45.99	6.78	52.77	68.20	-15.43	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5230MHz	Polarization	Vertical
Temp	21°C	Hum.	52%



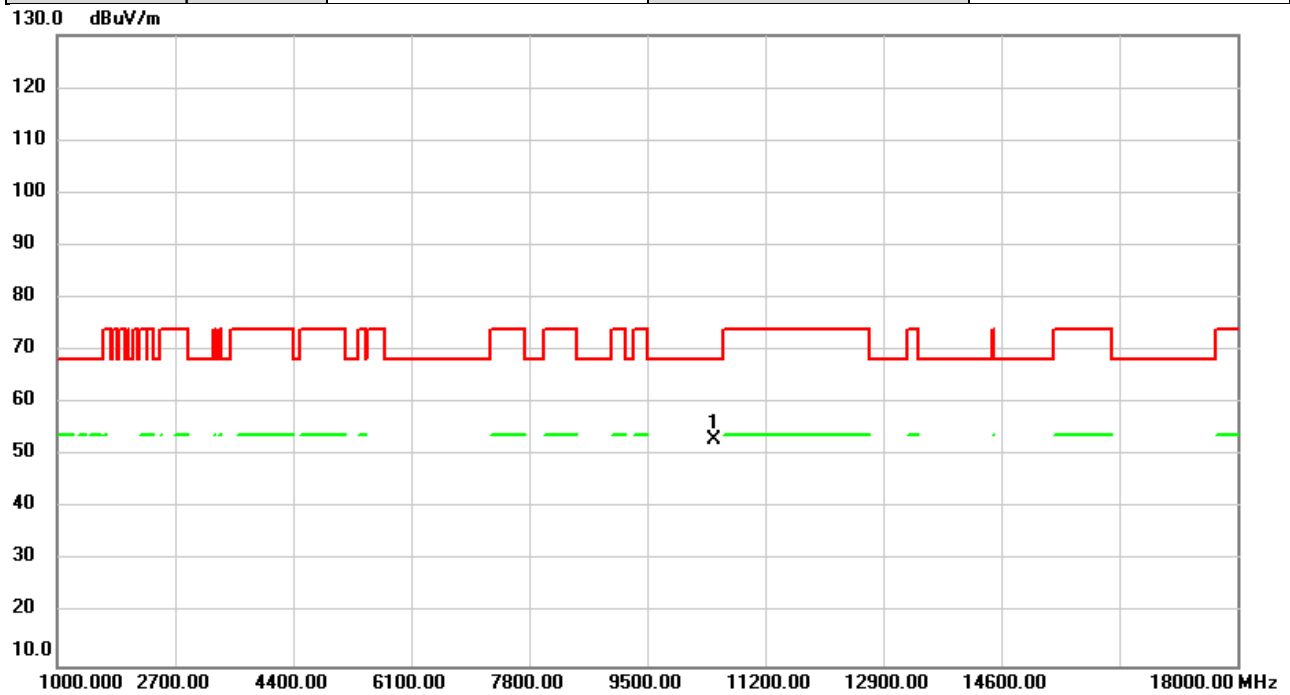
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	45.67	6.80	52.47	68.20	-15.73	peak	

REMARKS:

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

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5230MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

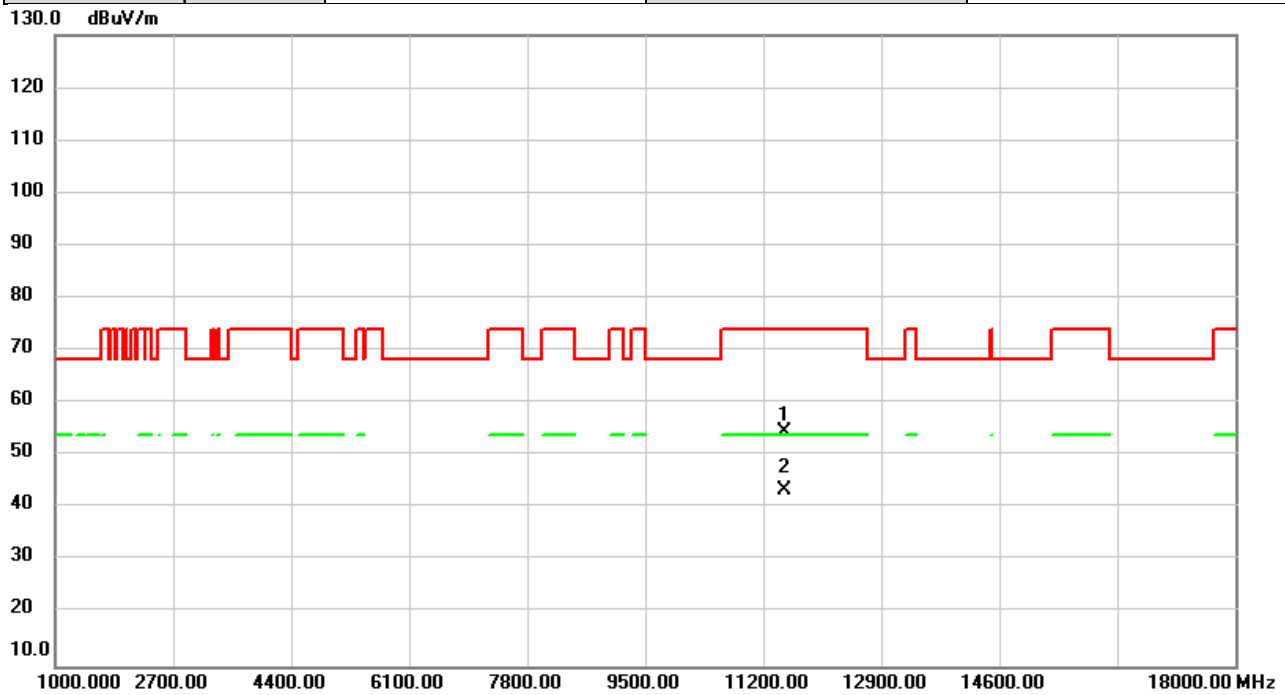


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	10460.00	46.36	6.80	53.16	68.20	-15.04	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5755MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

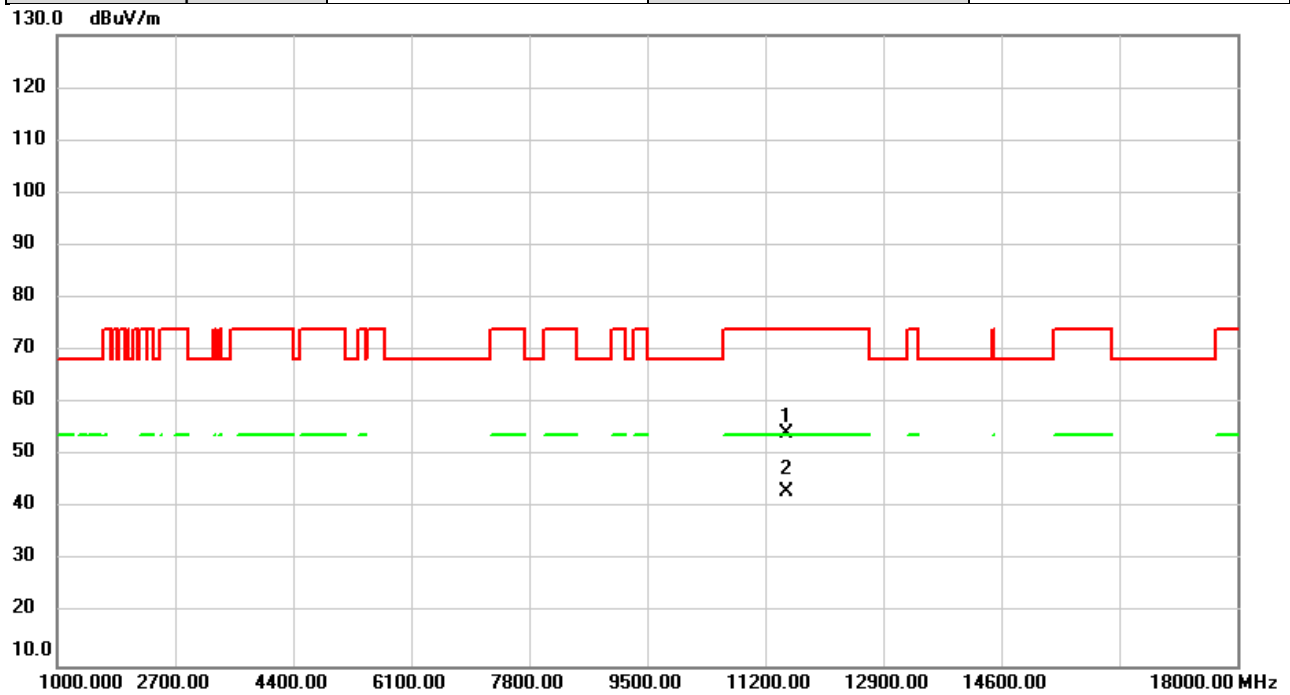


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	46.97	7.57	54.54	74.00	-19.46	peak	
2	*	11510.00	35.77	7.57	43.34	54.00	-10.66	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5755MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

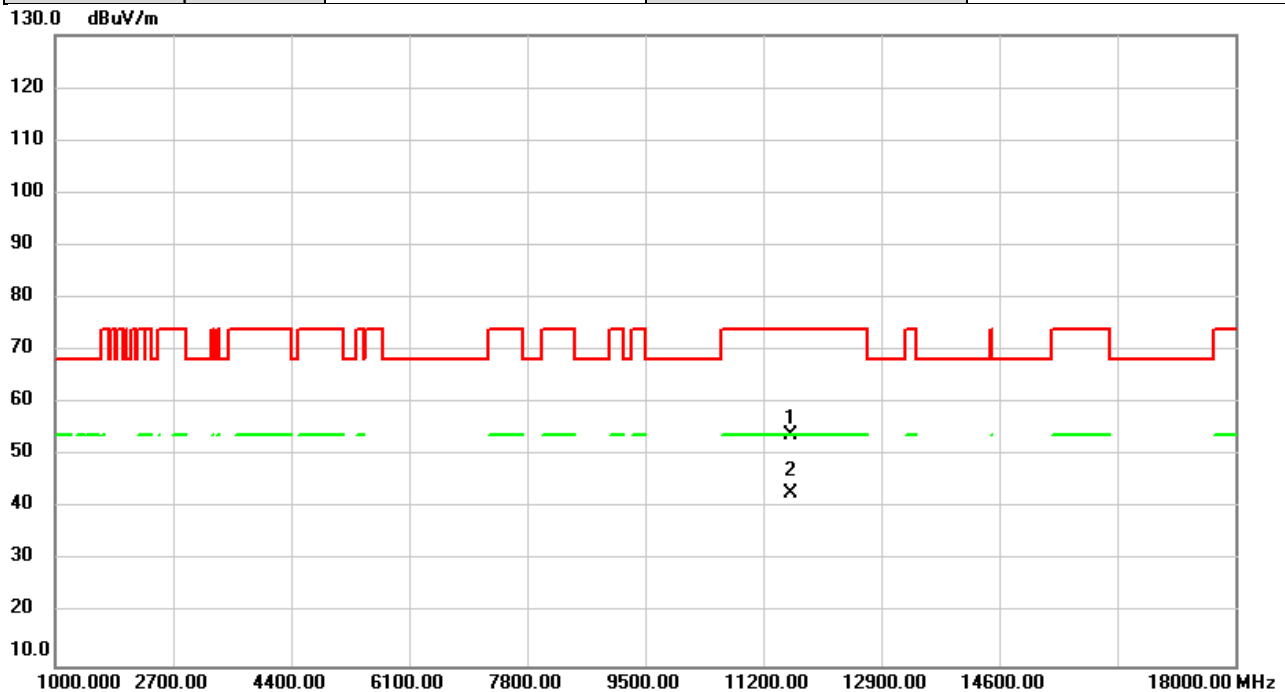


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	46.65	7.57	54.22	74.00	-19.78	peak	
2	*	11510.00	35.45	7.57	43.02	54.00	-10.98	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5795MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

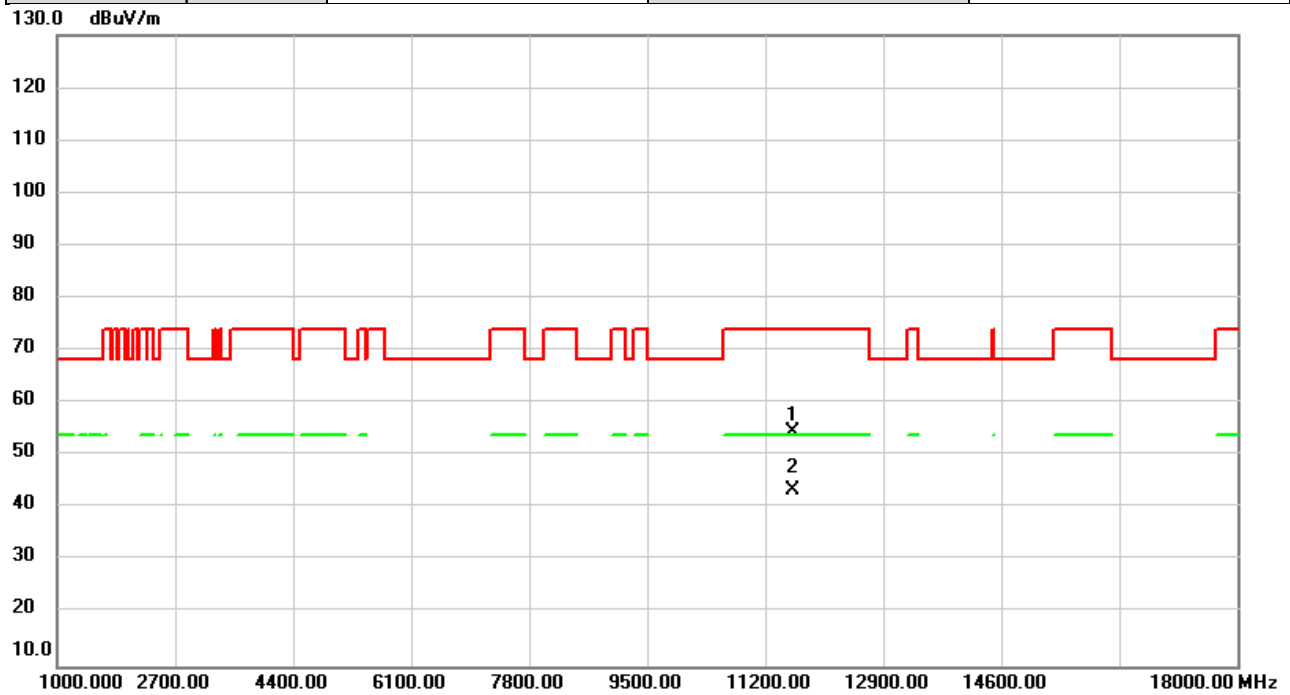


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11590.00	46.30	7.61	53.91	74.00	-20.09	peak	
2	*	11590.00	35.12	7.61	42.73	54.00	-11.27	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/10/30
Test Frequency	5795MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

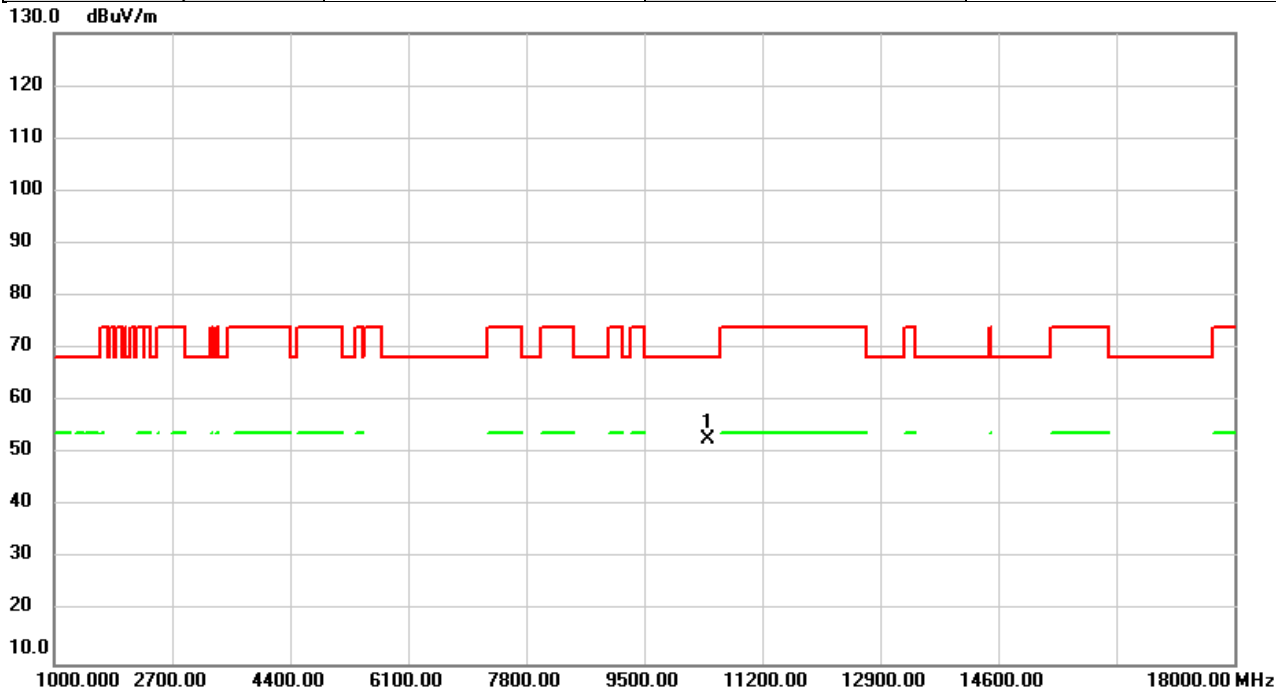


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.00	46.90	7.61	54.51	74.00	-19.49	peak	
2	*	11590.00	35.75	7.61	43.36	54.00	-10.64	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE80)	Test Date	2024/10/30
Test Frequency	5210MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

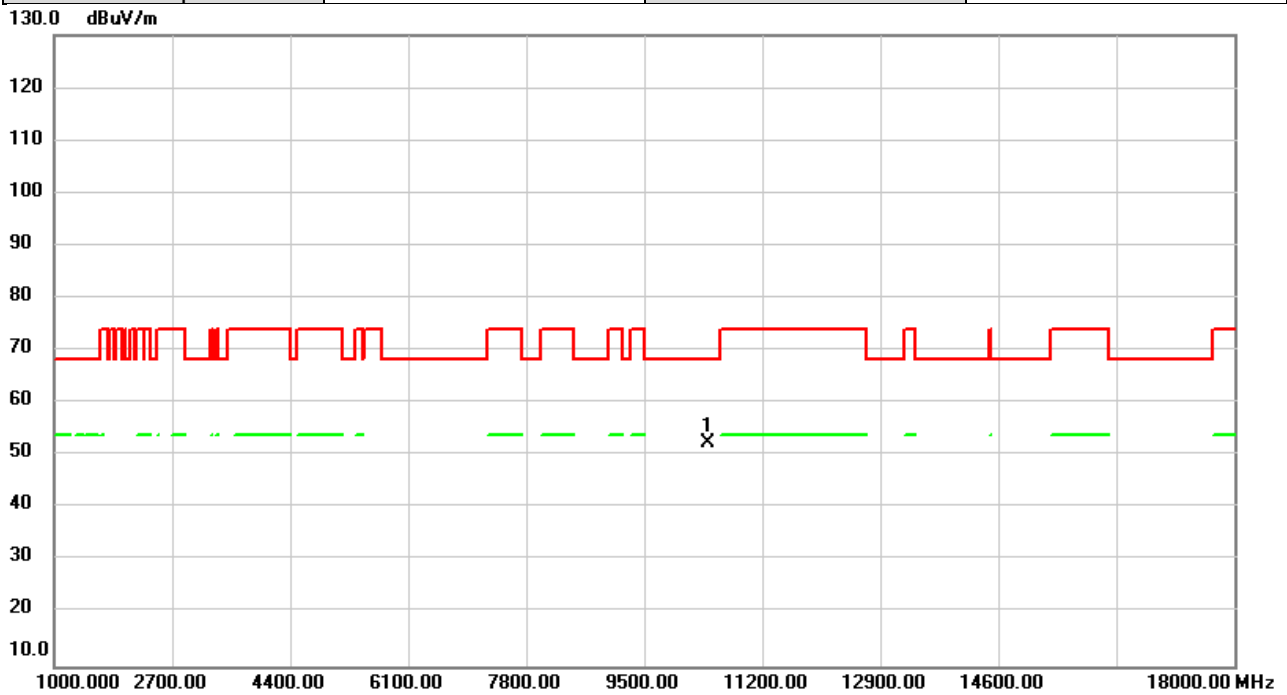


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.00	45.85	6.78	52.63	68.20	-15.57	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE80)	Test Date	2024/10/30
Test Frequency	5210MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

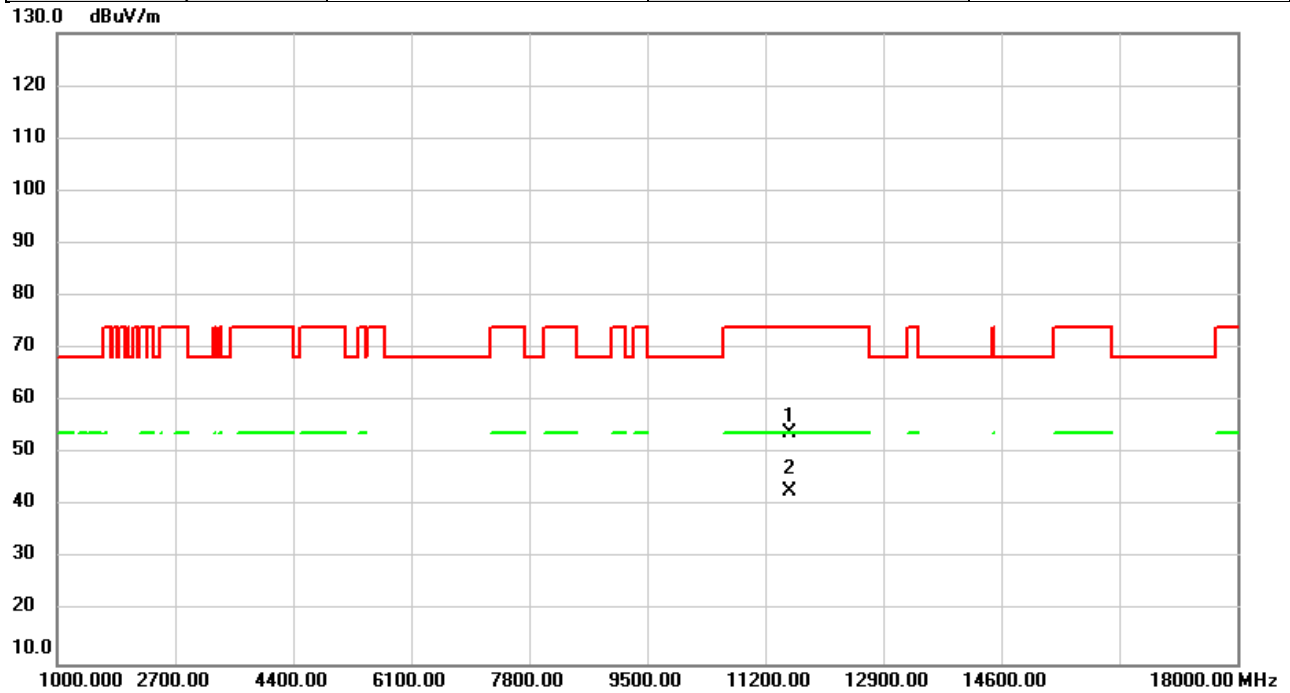


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.00	45.57	6.78	52.35	68.20	-15.85	peak	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE80)	Test Date	2024/10/30
Test Frequency	5775MHz	Polarization	Vertical
Temp	21°C	Hum.	52%

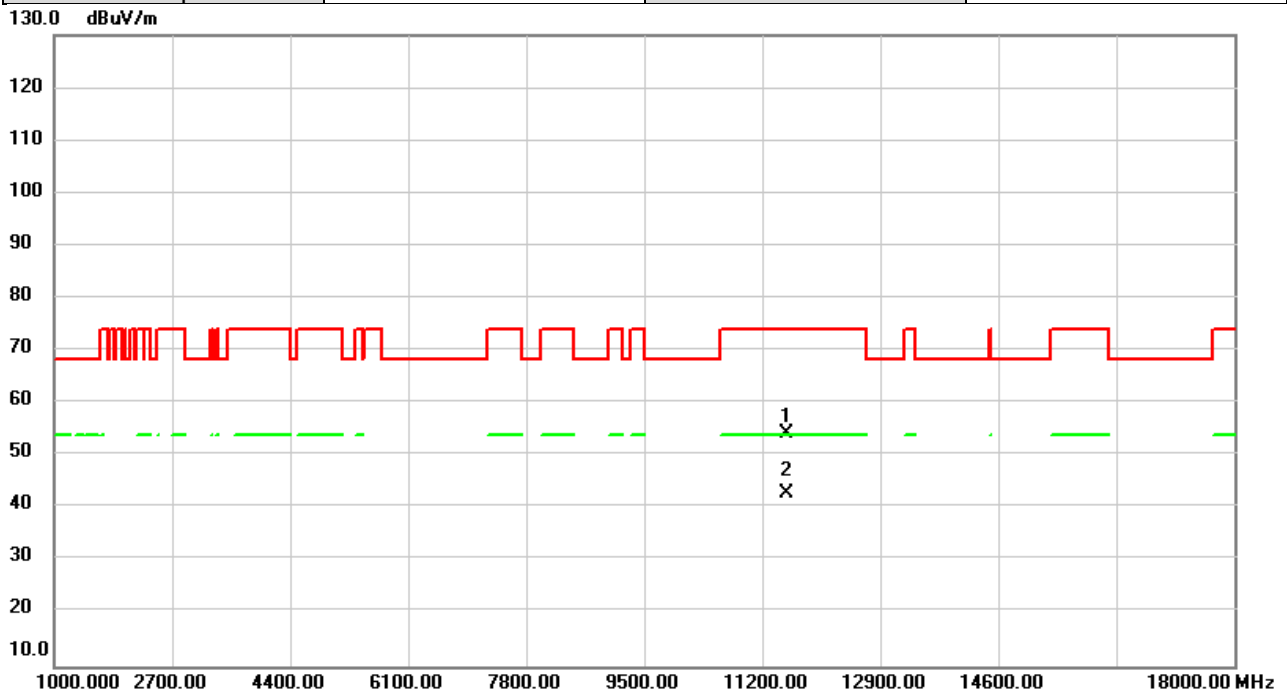


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11550.00	46.39	7.58	53.97	74.00	-20.03	peak	
2	*	11550.00	35.12	7.58	42.70	54.00	-11.30	AVG	

REMARKS:

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

Test Mode	IEEE 802.11ax (HE80)	Test Date	2024/10/30
Test Frequency	5775MHz	Polarization	Horizontal
Temp	21°C	Hum.	52%

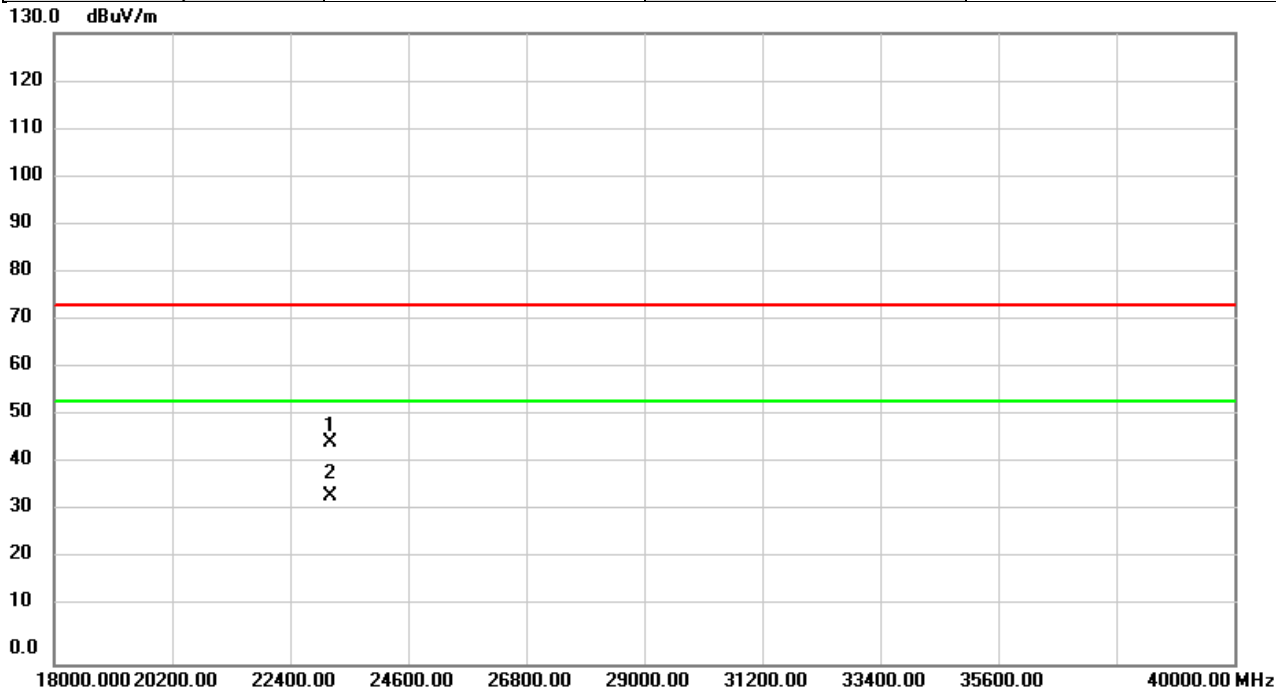


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11550.00	46.68	7.58	54.26	74.00	-19.74	peak	
2	*	11550.00	35.30	7.58	42.88	54.00	-11.12	AVG	

REMARKS:

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

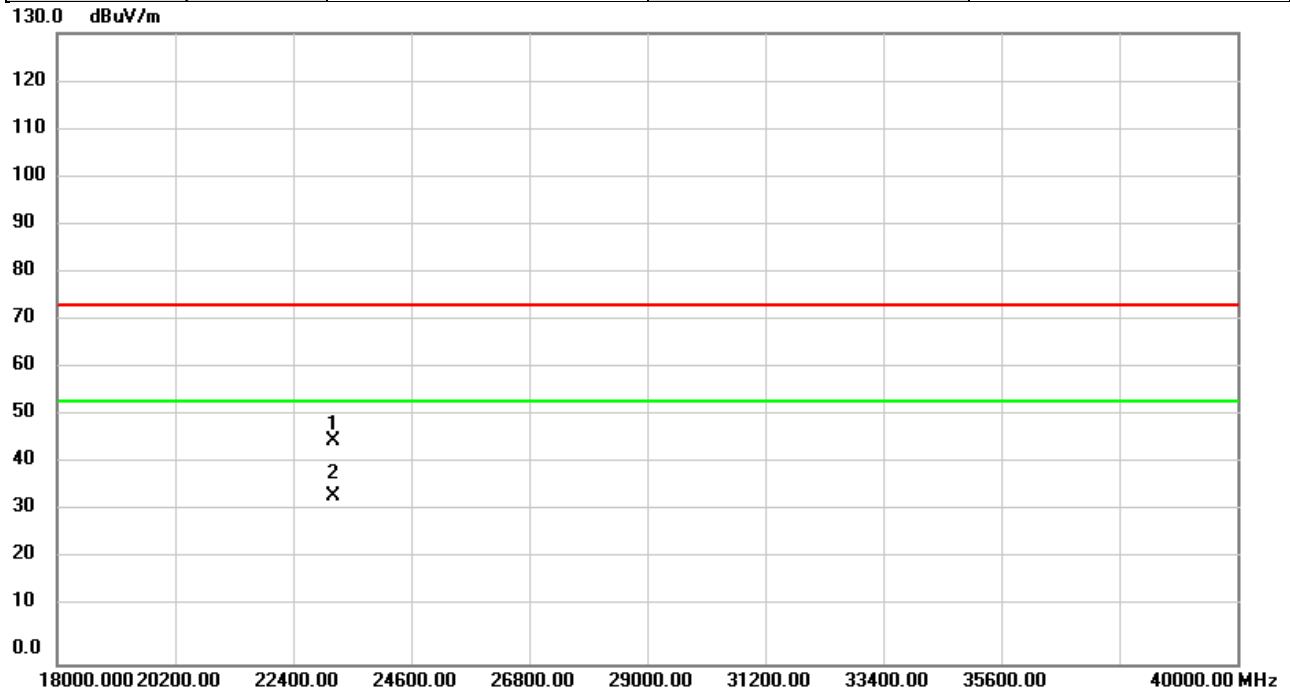
Test Mode	IEEE 802.11n (HT20)	Test Date	2024/11/1
Test Frequency	5785MHz	Polarization	Vertical
Temp	23°C	Hum.	66%



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		23140.00	49.81	-4.00	45.81	74.00	-28.19	peak	
2	*	23140.00	38.52	-4.00	34.52	54.00	-19.48	AVG	

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2024/11/1
Test Frequency	5785MHz	Polarization	Horizontal
Temp	23°C	Hum.	66%



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		23140.00	50.12	-4.00	46.12	74.00	-27.88	peak	
2	*	23140.00	38.55	-4.00	34.55	54.00	-19.45	AVG	

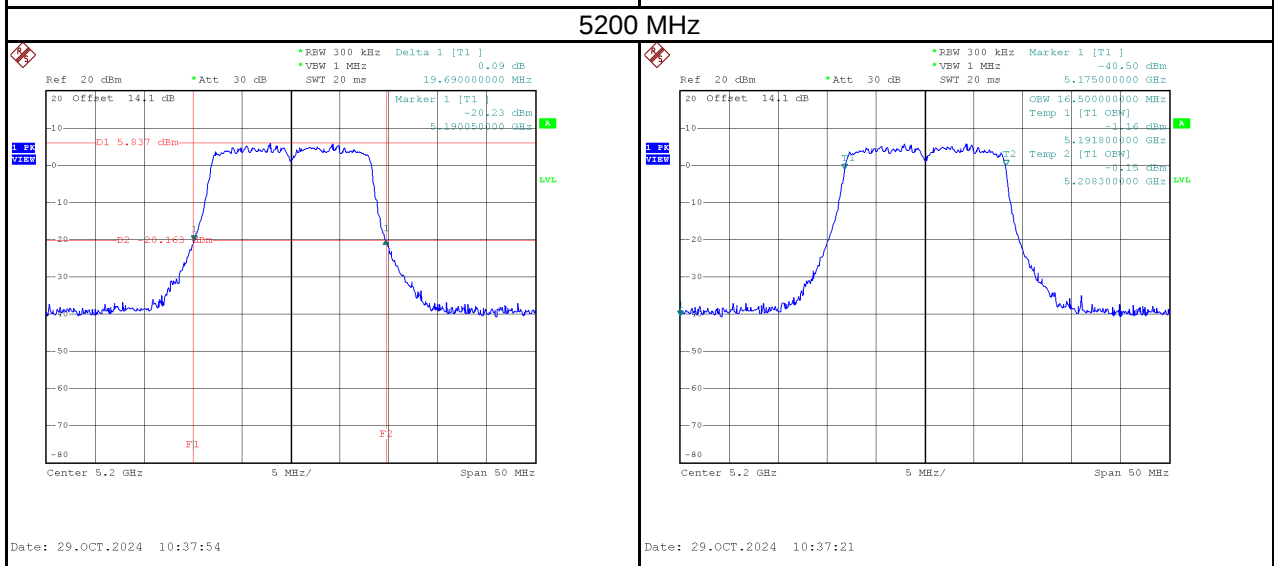
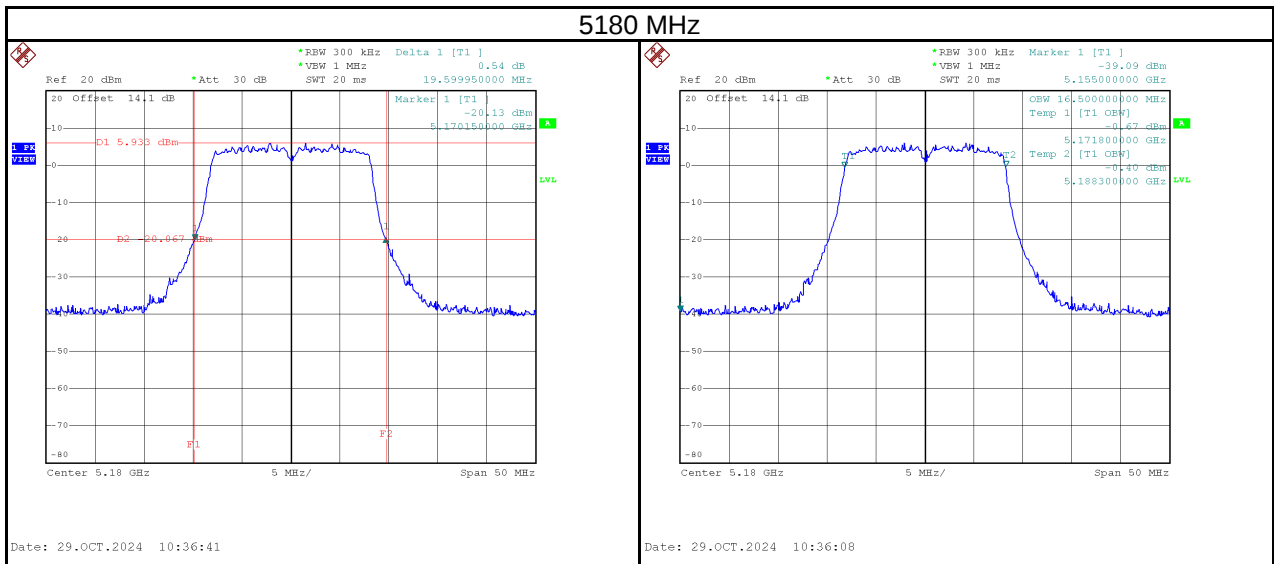
REMARKS:

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

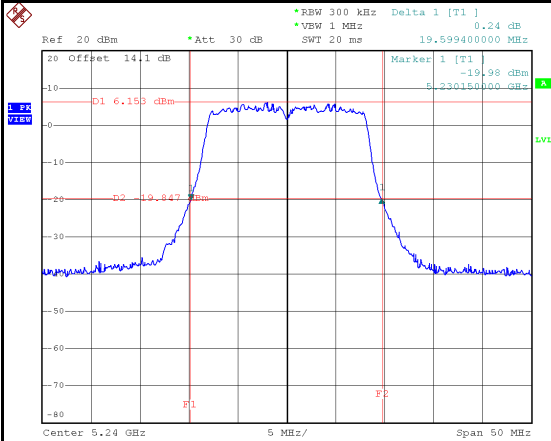
APPENDIX D BANDWIDTH

Test Mode	IEEE 802.11a_Main Antenna
-----------	---------------------------

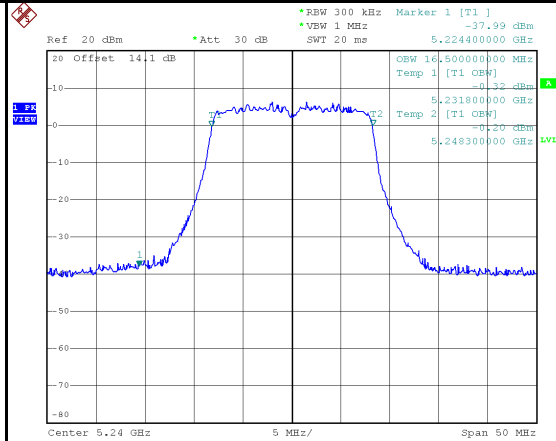
Test Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Limit
5180	19.60	16.50	No limit
5200	19.69	16.50	No limit
5240	19.60	16.50	No limit



5240 MHz



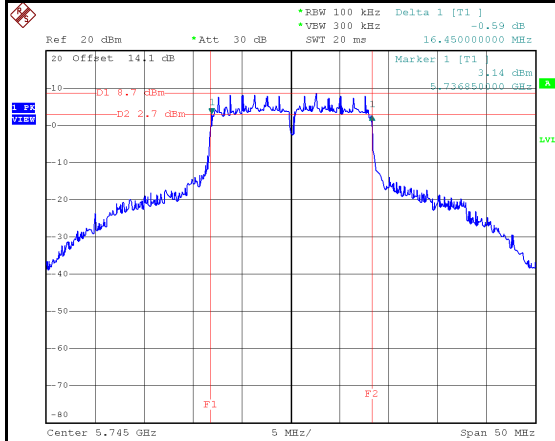
Date: 29.OCT.2024 10:39:41



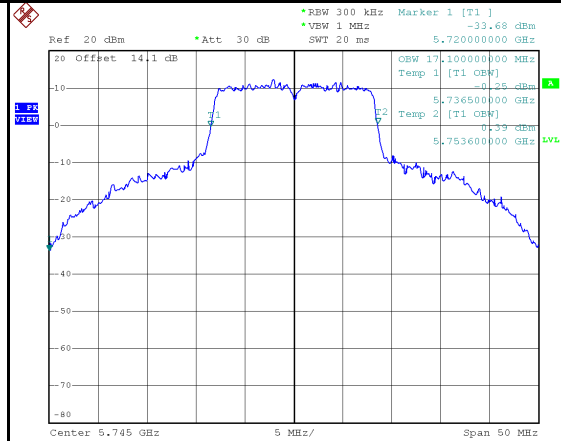
Date: 29.OCT.2024 10:39:07

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
5745	16.45	17.10	500	Pass
5785	16.45	17.10	500	Pass
5825	16.35	16.90	500	Pass

5745 MHz

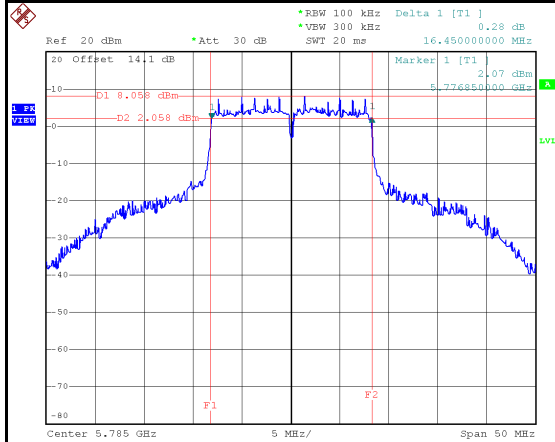


Date: 29.OCT.2024 10:40:54

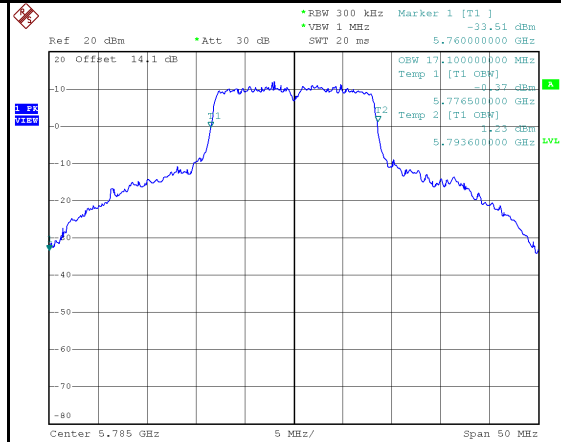


Date: 29.OCT.2024 10:40:17

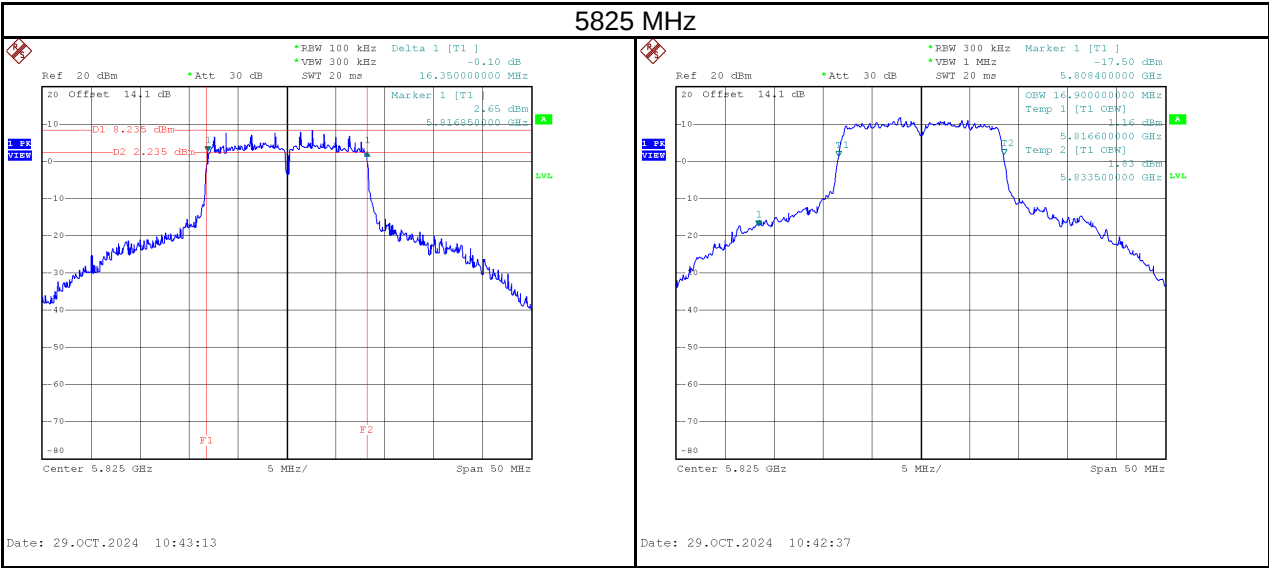
5785 MHz



Date: 29.OCT.2024 10:42:06

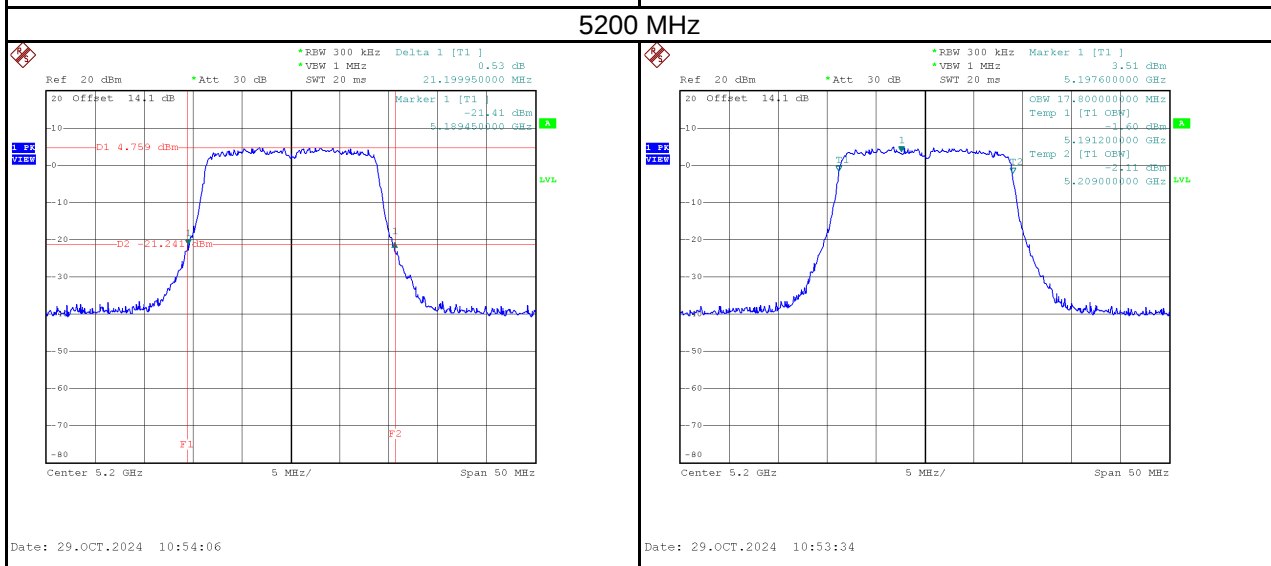
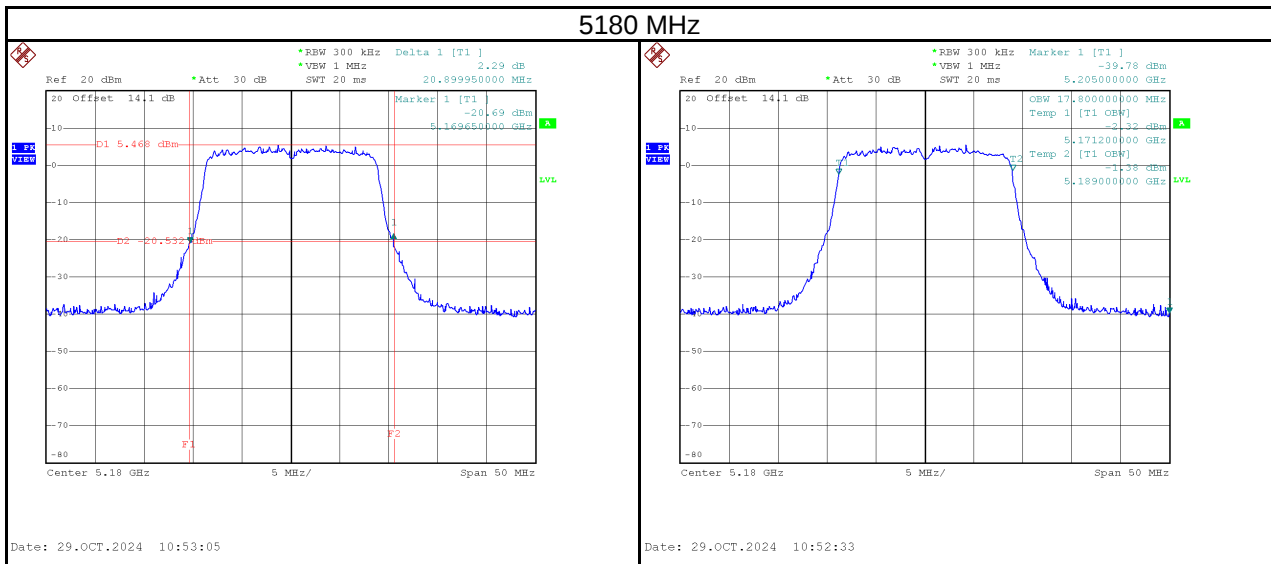


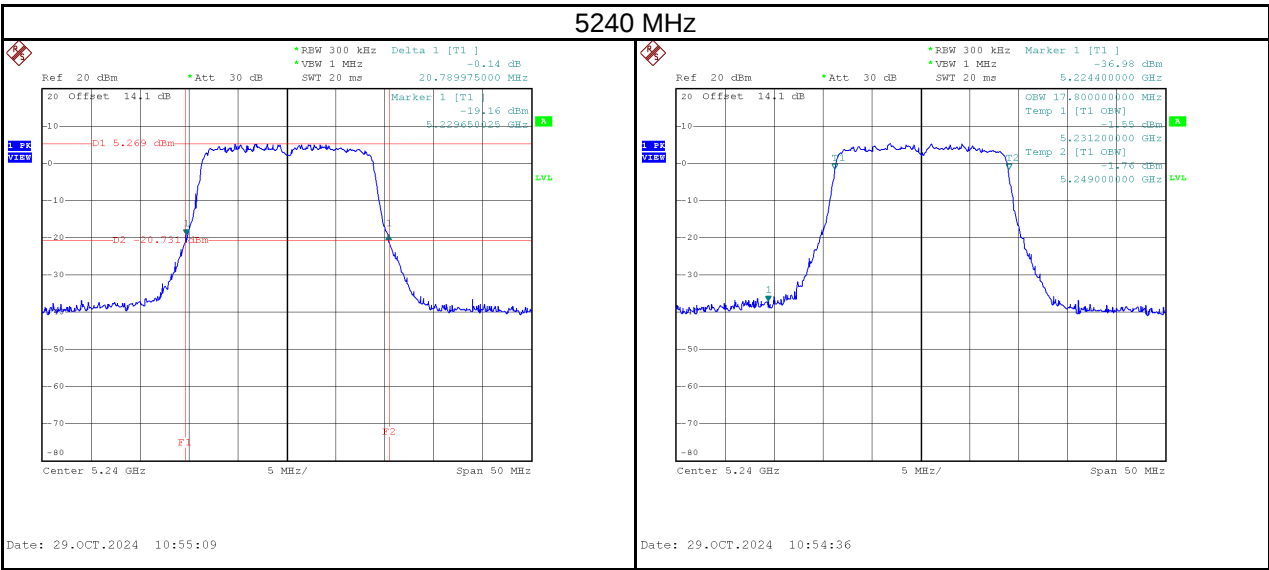
Date: 29.OCT.2024 10:41:30



Test Mode	IEEE 802.11n (HT20)_Main Antenna
-----------	----------------------------------

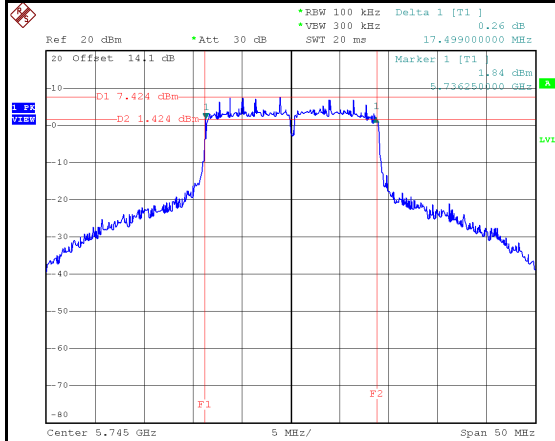
Test Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Limit
5180	20.90	17.80	No limit
5200	21.20	17.80	No limit
5240	20.79	17.80	No limit



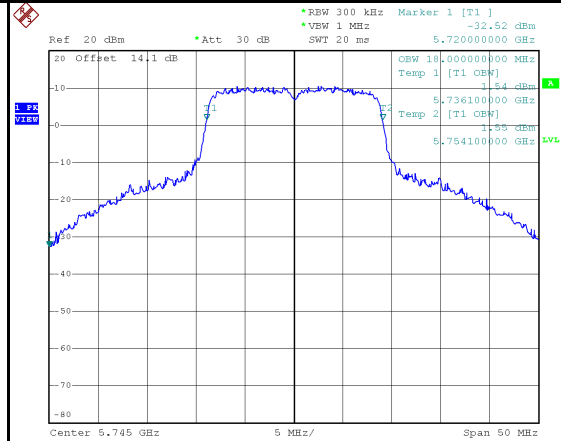


Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
5745	17.50	18.00	500	Pass
5785	17.55	18.00	500	Pass
5825	17.25	17.80	500	Pass

5745 MHz

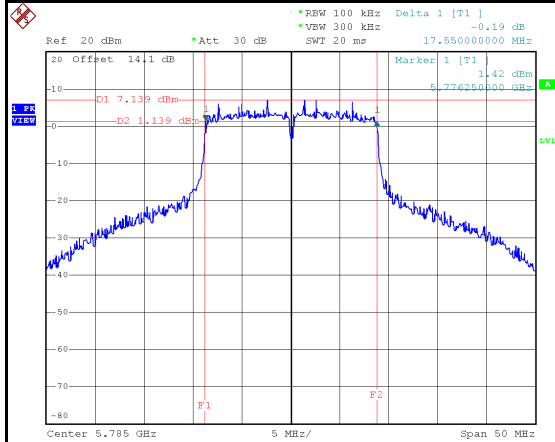


Date: 29.OCT.2024 10:56:18

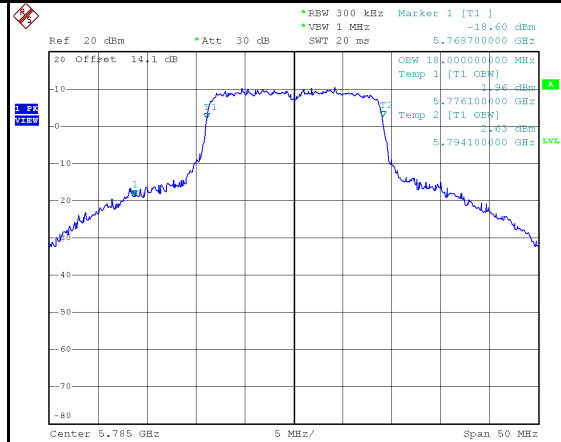


Date: 29.OCT.2024 10:55:42

5785 MHz

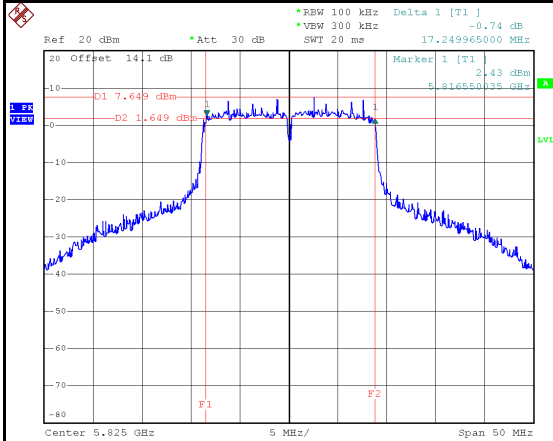


Date: 29.OCT.2024 10:57:23

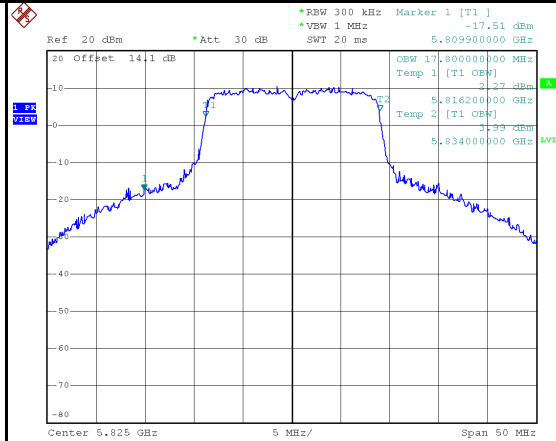


Date: 29.OCT.2024 10:56:47

5825 MHz



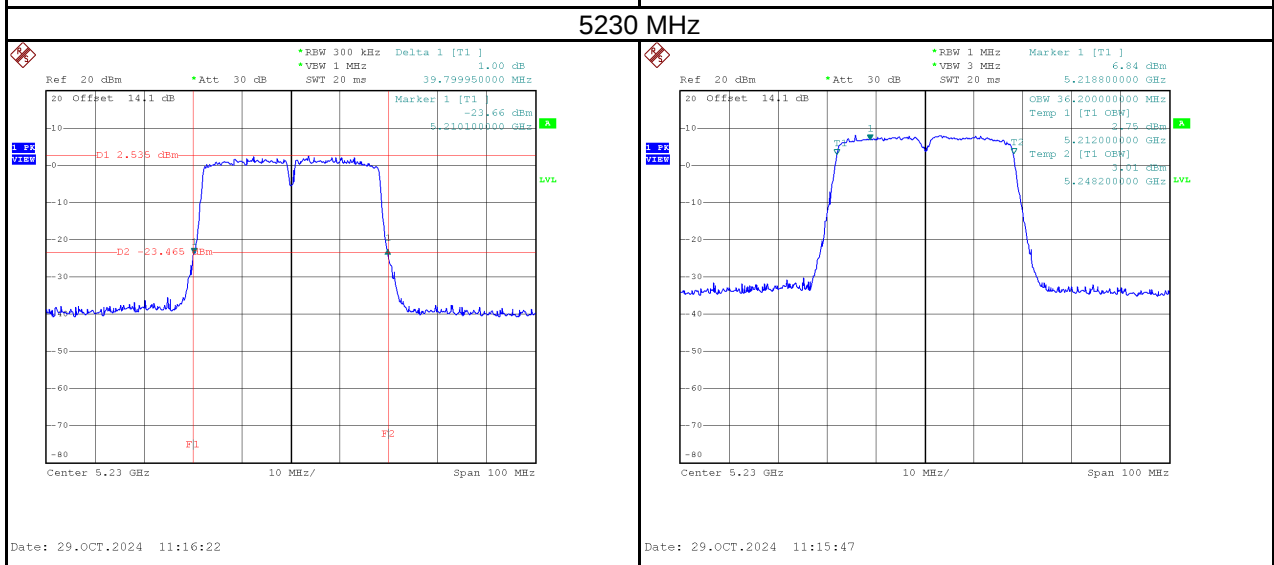
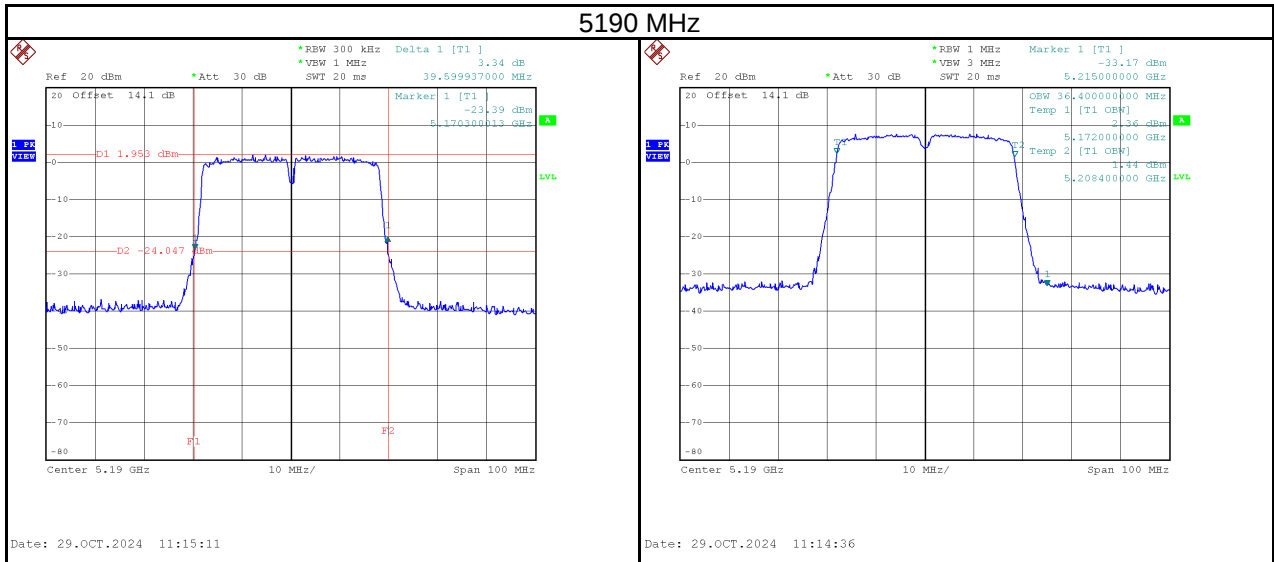
Date: 29.OCT.2024 10:58:40



Date: 29.OCT.2024 10:58:04

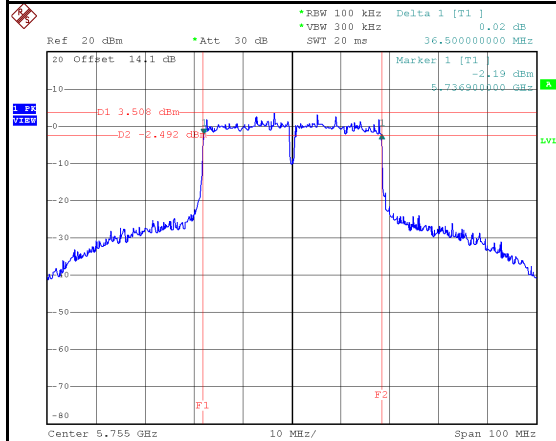
Test Mode	IEEE 802.11n (HT40)_Main Antenna
-----------	----------------------------------

Test Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Limit
5190	39.60	36.40	No limit
5230	39.80	36.20	No limit

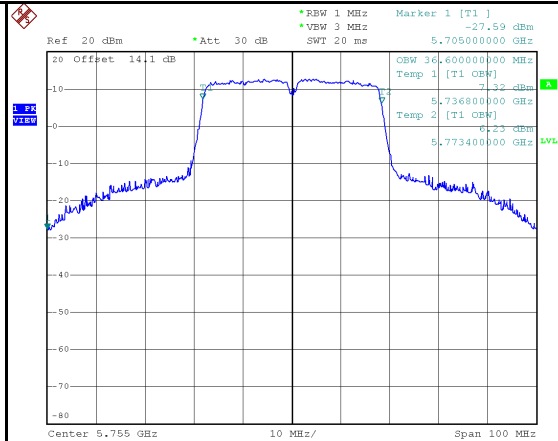


Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
5755	36.50	36.60	500	Pass
5795	36.30	36.60	500	Pass

5755 MHz

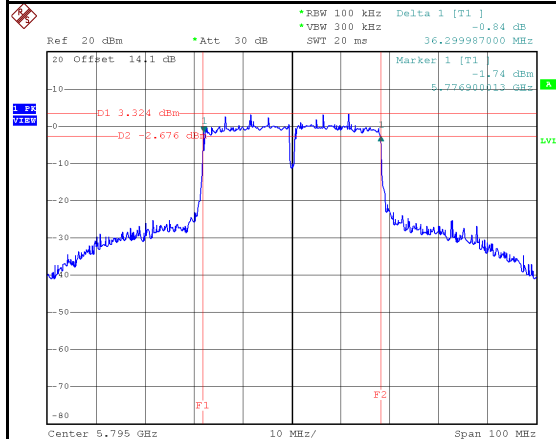


Date: 29.OCT.2024 11:17:41

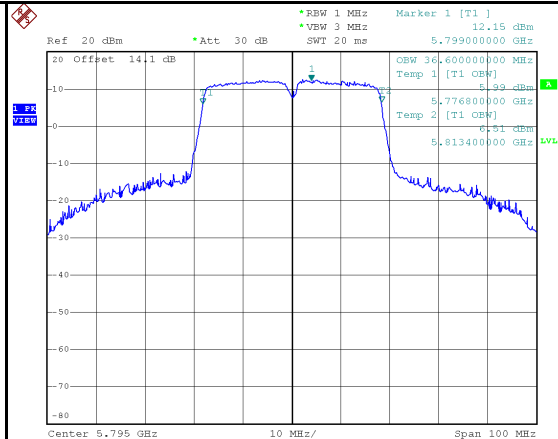


Date: 29.OCT.2024 11:17:05

5795 MHz



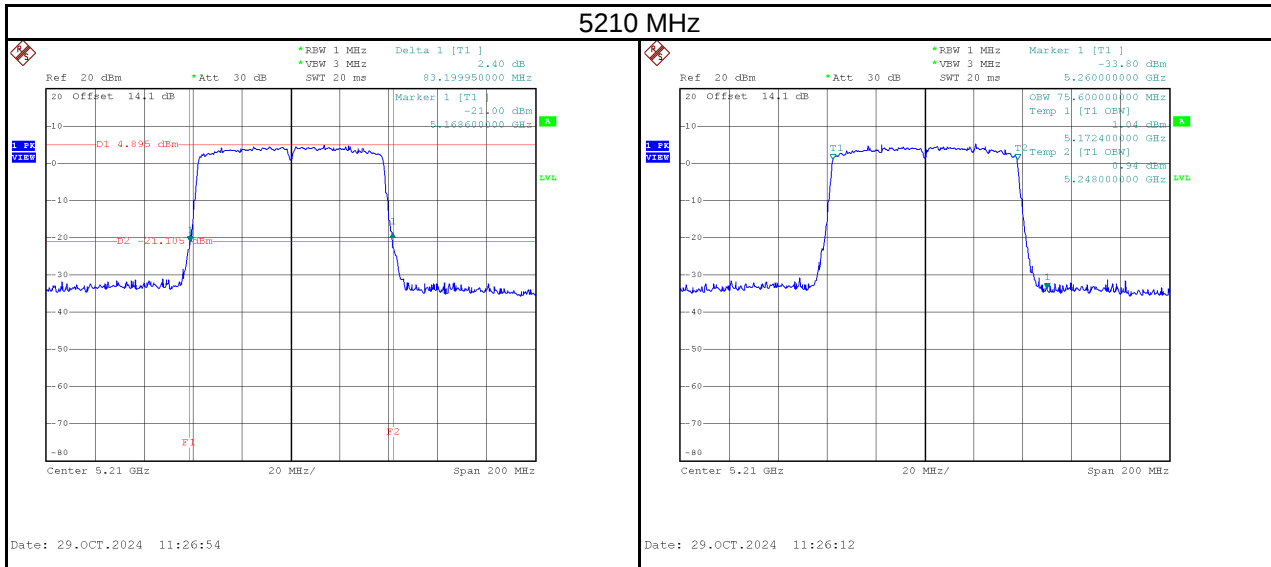
Date: 29.OCT.2024 11:18:54



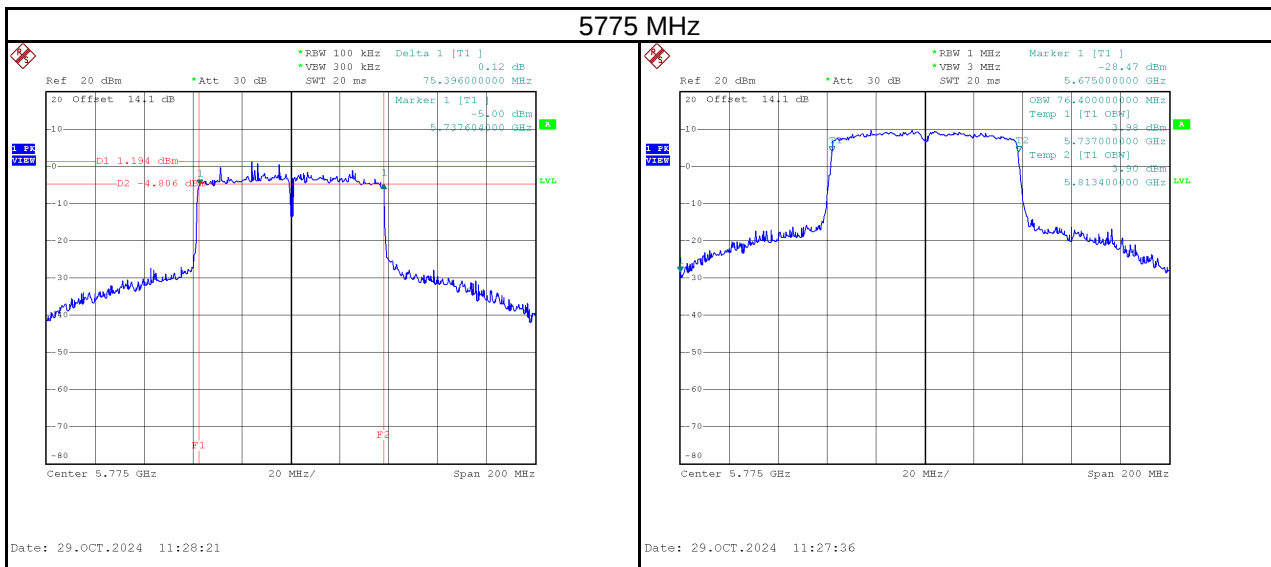
Date: 29.OCT.2024 11:18:18

Test Mode	IEEE 802.11ac (VHT80)_Main Antenna
-----------	------------------------------------

Test Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Limit
5210	83.20	75.60	No limit

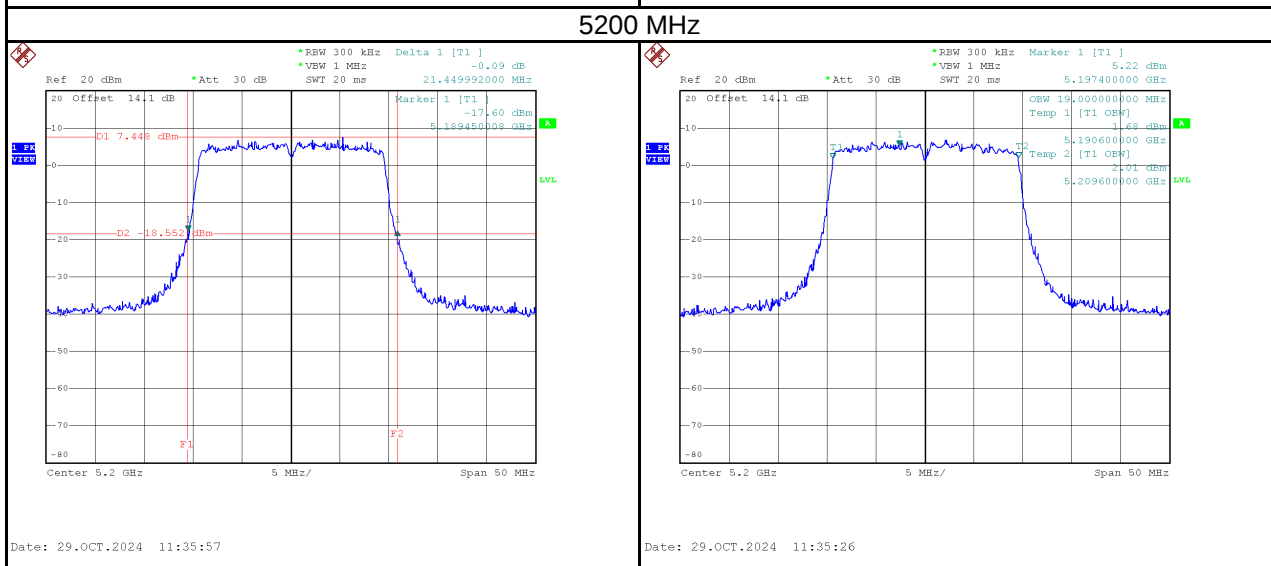
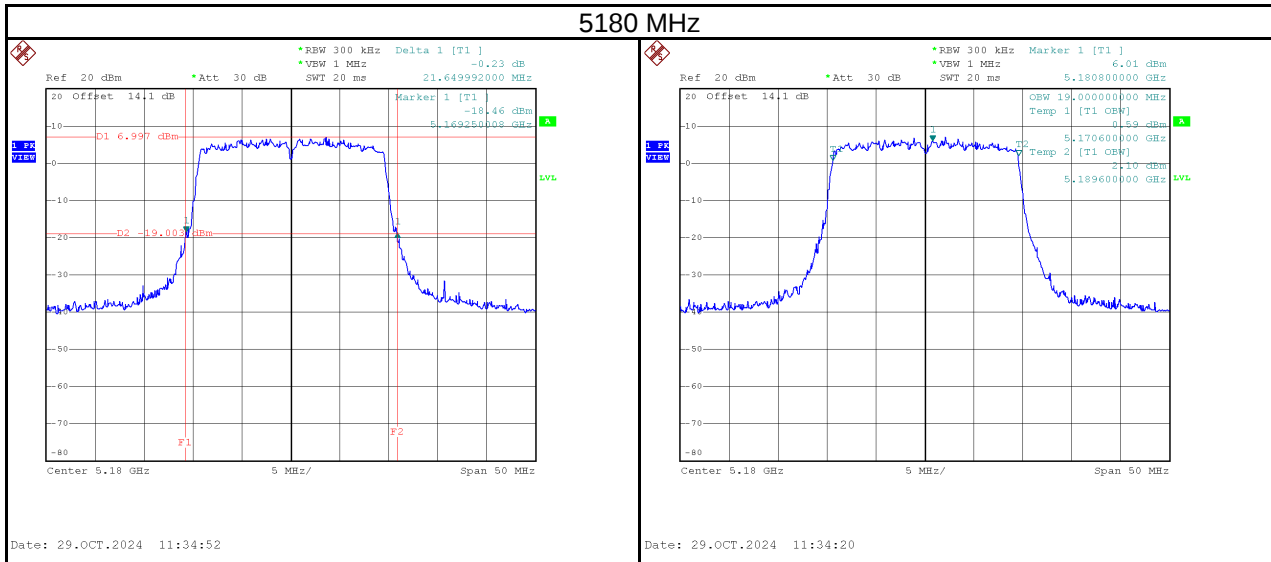


Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
5775	75.40	76.40	500	Pass

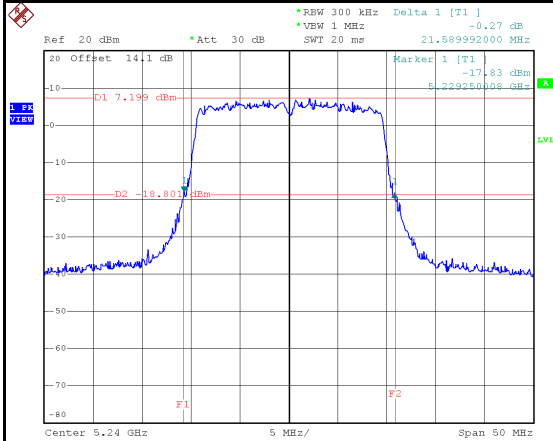


Test Mode	IEEE 802.11ax (HE20)_Main Antenna
-----------	-----------------------------------

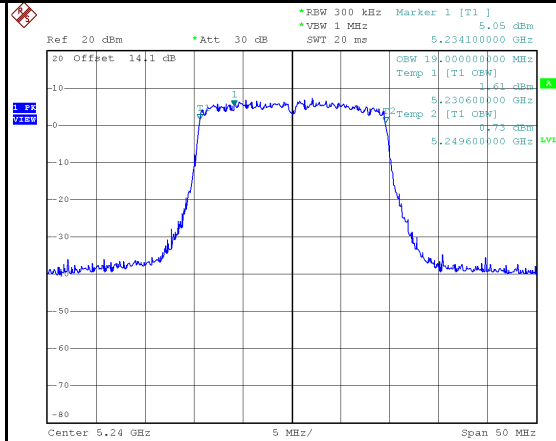
Test Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Limit
5180	21.65	19.00	No limit
5200	21.45	19.00	No limit
5240	21.59	19.00	No limit



5240 MHz



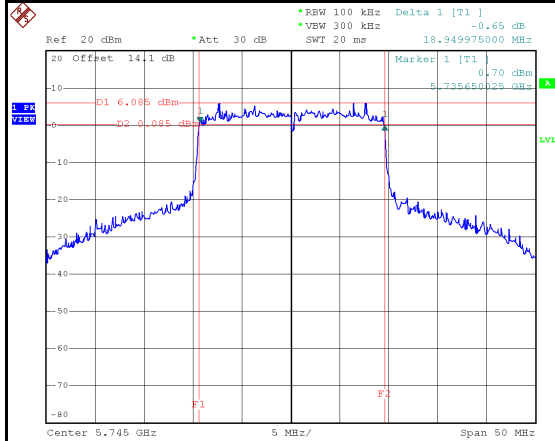
Date: 29.OCT.2024 11:42:48



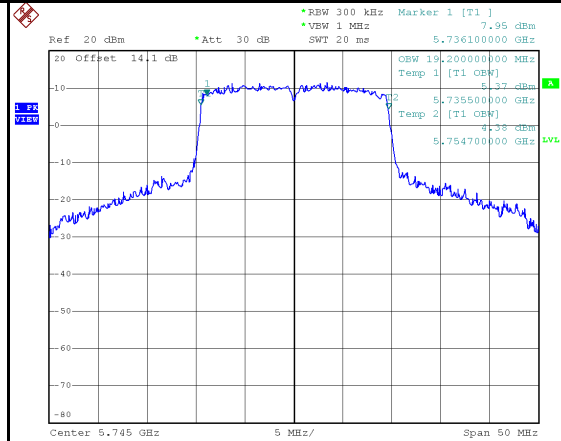
Date: 29.OCT.2024 11:42:15

Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
5745	18.95	19.20	500	Pass
5785	18.85	19.10	500	Pass
5825	18.95	19.10	500	Pass

5745 MHz

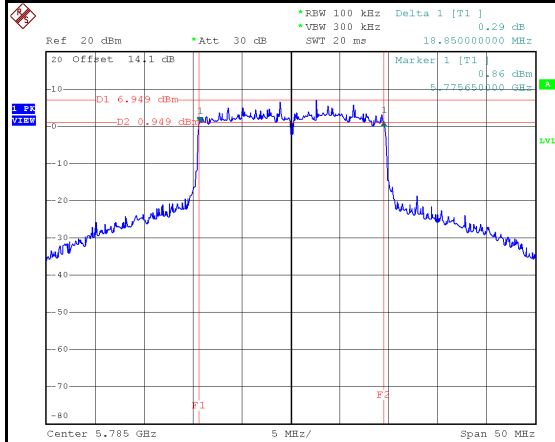


Date: 29.OCT.2024 11:44:19

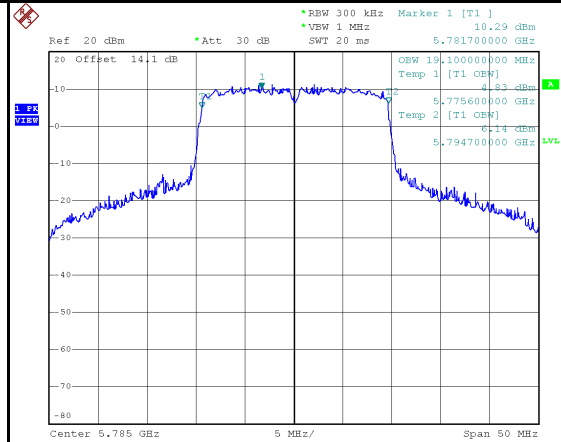


Date: 29.OCT.2024 11:43:45

5785 MHz

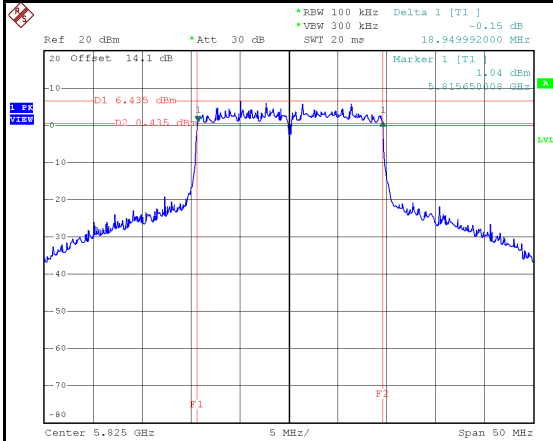


Date: 29.OCT.2024 11:46:10

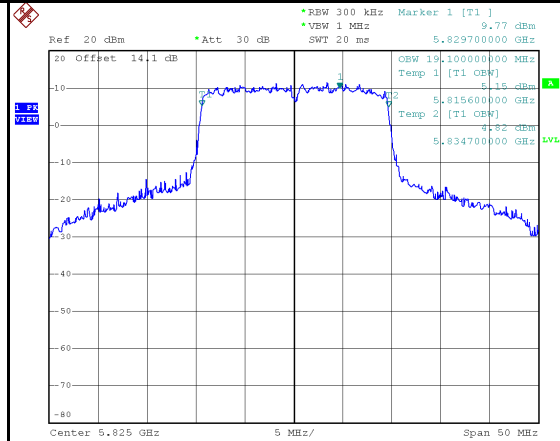


Date: 29.OCT.2024 11:45:35

5825 MHz



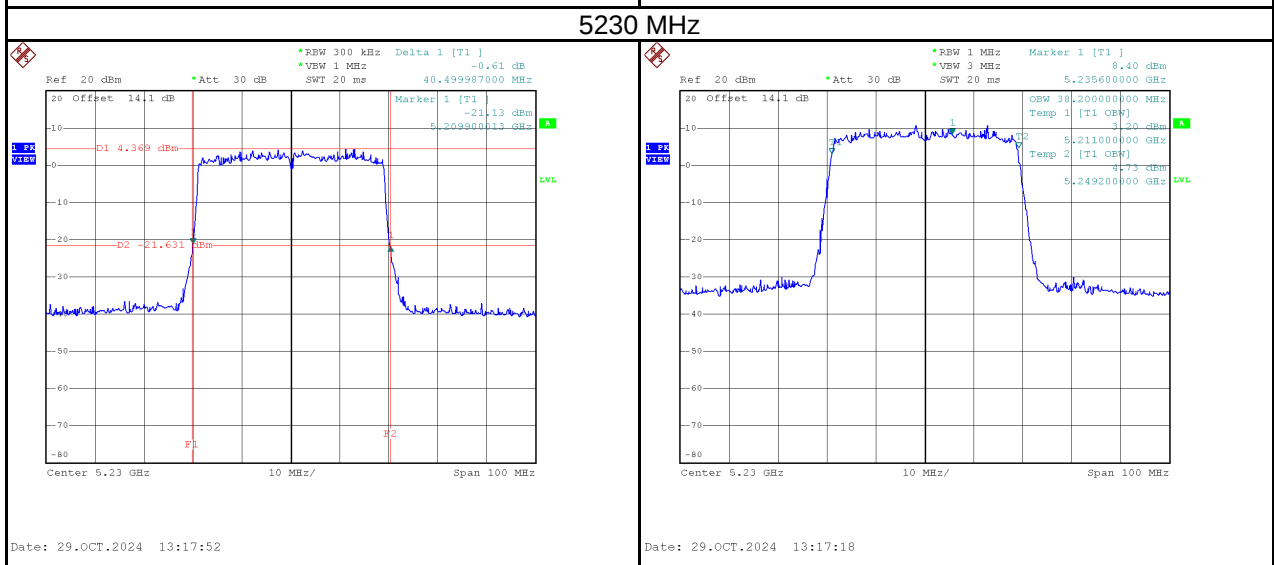
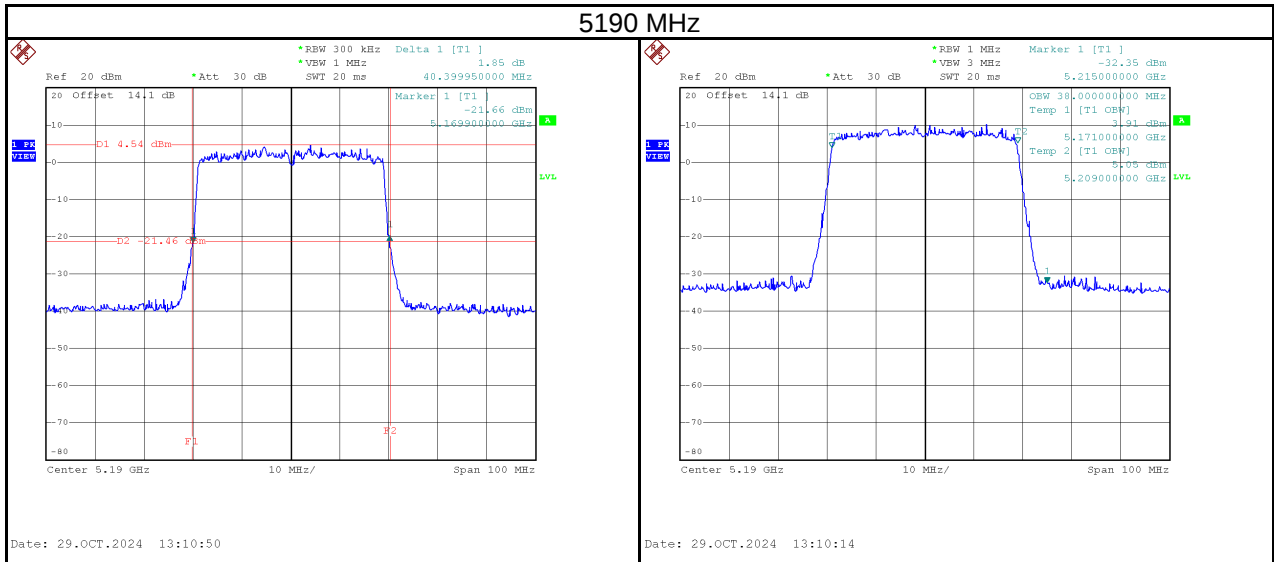
Date: 29.OCT.2024 11:47:27



Date: 29.OCT.2024 11:46:52

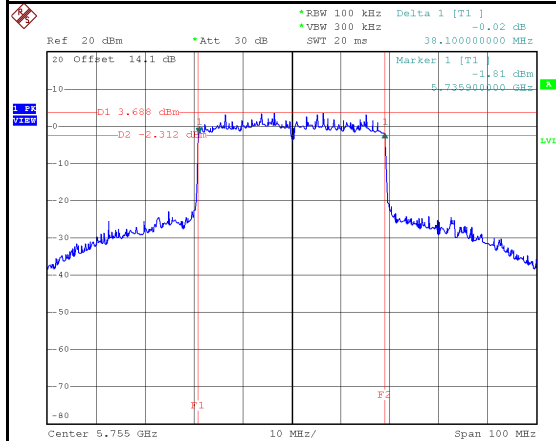
Test Mode	IEEE 802.11ax (HE40)_ Main Antenna
-----------	------------------------------------

Test Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Limit
5190	40.40	38.00	No limit
5230	40.50	38.20	No limit

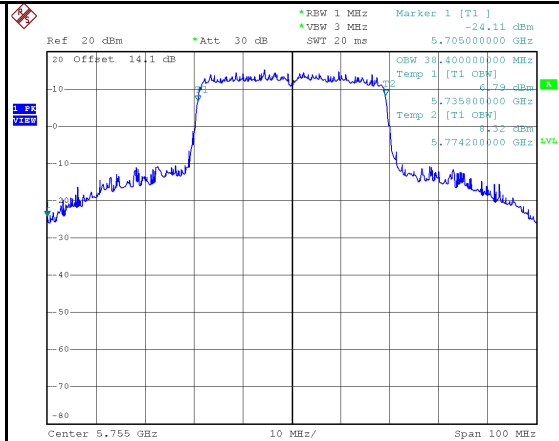


Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
5755	38.10	38.40	500	Pass
5795	37.99	38.60	500	Pass

5755 MHz

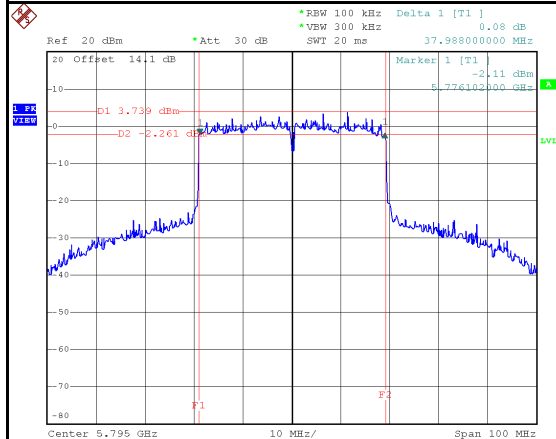


Date: 29.OCT.2024 13:20:01

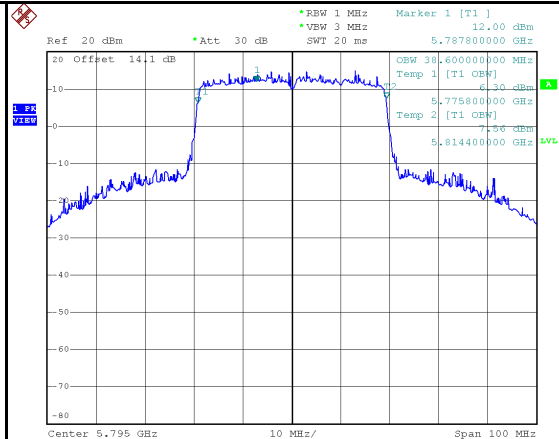


Date: 29.OCT.2024 13:19:26

5795 MHz



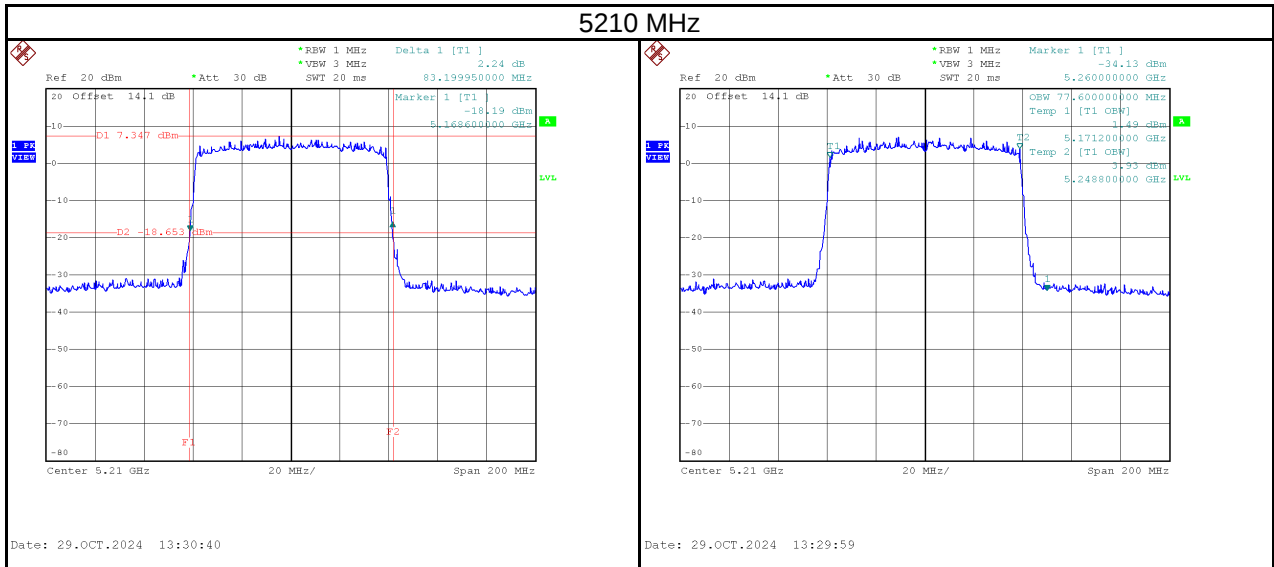
Date: 29.OCT.2024 13:21:41



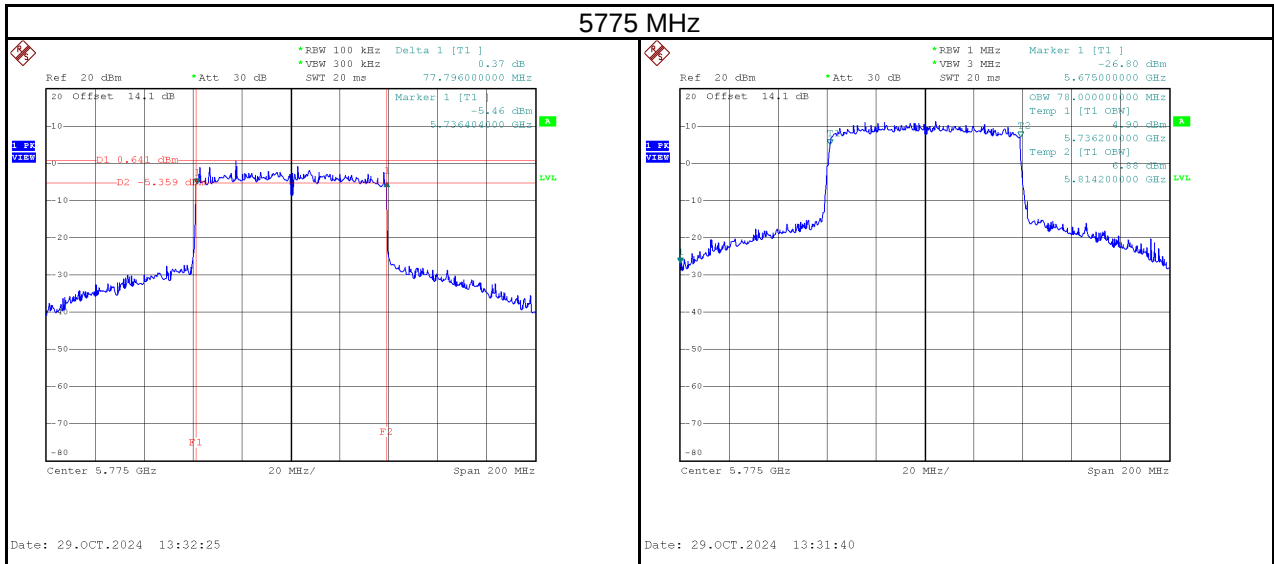
Date: 29.OCT.2024 13:21:06

Test Mode	IEEE 802.11ax (HE80)_ Main Antenna
-----------	------------------------------------

Test Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Limit
5210	83.20	77.60	No limit



Test Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
5775	77.80	78.00	500	Pass



APPENDIX E CONDUCTED OUTPUT POWER

Test Mode	IEEE 802.11a_ Main Antenna	Tested Date	2024/10/25~11/7
-----------	----------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	10.51	0.0112	22.59	0.1816	Pass
5200	10.53	0.0113	22.59	0.1816	Pass
5240	10.69	0.0117	22.59	0.1816	Pass
5745	19.67	0.0927	27.37	0.5458	Pass
5785	19.41	0.0873	27.37	0.5458	Pass
5825	19.49	0.0889	27.37	0.5458	Pass

Test Mode	IEEE 802.11a_ Aux Antenna	Tested Date	2024/10/25~11/7
-----------	---------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	10.11	0.0103	22.59	0.1816	Pass
5200	10.09	0.0102	22.59	0.1816	Pass
5240	10.01	0.0100	22.59	0.1816	Pass
5745	20.11	0.1026	27.37	0.5458	Pass
5785	19.92	0.0982	27.37	0.5458	Pass
5825	19.91	0.0979	27.37	0.5458	Pass

Test Mode	IEEE 802.11a_ Total	Tested Date	2024/10/25~11/7
-----------	---------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	13.32	0.0215	22.59	0.1816	Pass
5200	13.33	0.0215	22.59	0.1816	Pass
5240	13.37	0.0217	22.59	0.1816	Pass
5745	22.91	0.1952	27.37	0.5458	Pass
5785	22.68	0.1855	27.37	0.5458	Pass
5825	22.72	0.1869	27.37	0.5458	Pass

Test Mode	IEEE 802.11n (HT20) _ Main Antenna	Tested Date	2024/10/25~11/7
-----------	------------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	10.91	0.0123	22.59	0.1816	Pass
5200	10.88	0.0122	22.59	0.1816	Pass
5240	10.56	0.0114	22.59	0.1816	Pass
5745	19.56	0.0904	27.37	0.5458	Pass
5785	19.17	0.0826	27.37	0.5458	Pass
5825	19.37	0.0865	27.37	0.5458	Pass

Test Mode	IEEE 802.11n (HT20)_Aux Antenna	Tested Date	2024/10/25~11/7
-----------	---------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	10.52	0.0113	22.59	0.1816	Pass
5200	10.54	0.0113	22.59	0.1816	Pass
5240	9.95	0.0099	22.59	0.1816	Pass
5745	20.04	0.1009	27.37	0.5458	Pass
5785	19.86	0.0968	27.37	0.5458	Pass
5825	19.80	0.0955	27.37	0.5458	Pass

Test Mode	IEEE 802.11n (HT20)_Total	Tested Date	2024/10/25~11/7
-----------	---------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	13.73	0.0236	22.59	0.1816	Pass
5200	13.72	0.0236	22.59	0.1816	Pass
5240	13.28	0.0213	22.59	0.1816	Pass
5745	22.82	0.1913	27.37	0.5458	Pass
5785	22.54	0.1794	27.37	0.5458	Pass
5825	22.60	0.1820	27.37	0.5458	Pass

Test Mode	IEEE 802.11n (HT40)_ Main Antenna	Tested Date	2024/10/25~11/7
-----------	-----------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	12.22	0.0167	22.59	0.1816	Pass
5230	12.42	0.0175	22.59	0.1816	Pass
5755	19.39	0.0869	27.37	0.5458	Pass
5795	19.11	0.0815	27.37	0.5458	Pass

Test Mode	IEEE 802.11n (HT40)_Aux Antenna	Tested Date	2024/10/25~11/7
-----------	---------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	12.05	0.0160	22.59	0.1816	Pass
5230	11.86	0.0153	22.59	0.1816	Pass
5755	19.82	0.0959	27.37	0.5458	Pass
5795	19.84	0.0964	27.37	0.5458	Pass

Test Mode	IEEE 802.11n (HT40)_Total	Tested Date	2024/10/25~11/7
-----------	---------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	15.15	0.0327	22.59	0.1816	Pass
5230	15.16	0.0328	22.59	0.1816	Pass
5755	22.62	0.1828	27.37	0.5458	Pass
5795	22.50	0.1779	27.37	0.5458	Pass

Test Mode	IEEE 802.11ac (VHT80)_ Main Antenna	Tested Date	2024/10/25~11/7
-----------	-------------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5210	12.07	0.0161	22.59	0.1816	Pass
5775	19.12	0.0817	27.37	0.5458	Pass

Test Mode	IEEE 802.11ac (VHT80)_Aux Antenna	Tested Date	2024/10/25~11/7
-----------	-----------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5210	12.15	0.0164	22.59	0.1816	Pass
5775	19.56	0.0904	27.37	0.5458	Pass

Test Mode	IEEE 802.11ac (VHT80)_Total	Tested Date	2024/10/25~11/7
-----------	-----------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5210	15.12	0.0325	22.59	0.1816	Pass
5775	22.36	0.1720	27.37	0.5458	Pass

Test Mode	IEEE 802.11ax (HE20) _Main Antenna	Tested Date	2024/10/25~11/7
-----------	------------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	10.95	0.0124	22.59	0.1816	Pass
5200	10.93	0.0124	22.59	0.1816	Pass
5240	11.13	0.0130	22.59	0.1816	Pass
5745	19.15	0.0822	27.37	0.5458	Pass
5785	18.91	0.0778	27.37	0.5458	Pass
5825	19.09	0.0811	27.37	0.5458	Pass

Test Mode	IEEE 802.11ax (HE20) _Aux Antenna	Tested Date	2024/10/25~11/7
-----------	-----------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	10.55	0.0114	22.59	0.1816	Pass
5200	10.53	0.0113	22.59	0.1816	Pass
5240	10.46	0.0111	22.59	0.1816	Pass
5745	19.64	0.0920	27.37	0.5458	Pass
5785	19.59	0.0910	27.37	0.5458	Pass
5825	19.51	0.0893	27.37	0.5458	Pass

Test Mode	IEEE 802.11ax (HE20) _Total	Tested Date	2024/10/25~11/7
-----------	-----------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	13.76	0.0238	22.59	0.1816	Pass
5200	13.74	0.0237	22.59	0.1816	Pass
5240	13.82	0.0241	22.59	0.1816	Pass
5745	22.41	0.1743	27.37	0.5458	Pass
5785	22.27	0.1688	27.37	0.5458	Pass
5825	22.32	0.1704	27.37	0.5458	Pass

Test Mode	IEEE 802.11ax (HE40) _ Main Antenna	Tested Date	2024/10/25~11/7
-----------	-------------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	12.10	0.0162	22.59	0.1816	Pass
5230	12.15	0.0164	22.59	0.1816	Pass
5755	19.13	0.0818	27.37	0.5458	Pass
5795	18.84	0.0766	27.37	0.5458	Pass

Test Mode	IEEE 802.11ax (HE40) _ Aux Antenna	Tested Date	2024/10/25~11/7
-----------	------------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	12.16	0.0164	22.59	0.1816	Pass
5230	12.06	0.0161	22.59	0.1816	Pass
5755	19.53	0.0897	27.37	0.5458	Pass
5795	19.61	0.0914	27.37	0.5458	Pass

Test Mode	IEEE 802.11ax (HE40) _ Total	Tested Date	2024/10/25~11/7
-----------	------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	15.14	0.0327	22.59	0.1816	Pass
5230	15.12	0.0325	22.59	0.1816	Pass
5755	22.34	0.1716	27.37	0.5458	Pass
5795	22.25	0.1680	27.37	0.5458	Pass

Test Mode	IEEE 802.11ax (HE80) _ Main Antenna	Tested Date	2024/10/25~11/7
-----------	-------------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5210	12.02	0.0159	22.59	0.1816	Pass
5775	18.89	0.0774	27.37	0.5458	Pass

Test Mode	IEEE 802.11ax (HE80) _ Aux Antenna	Tested Date	2024/10/25~11/7
-----------	------------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5210	12.15	0.0164	22.59	0.1816	Pass
5775	19.37	0.0865	27.37	0.5458	Pass

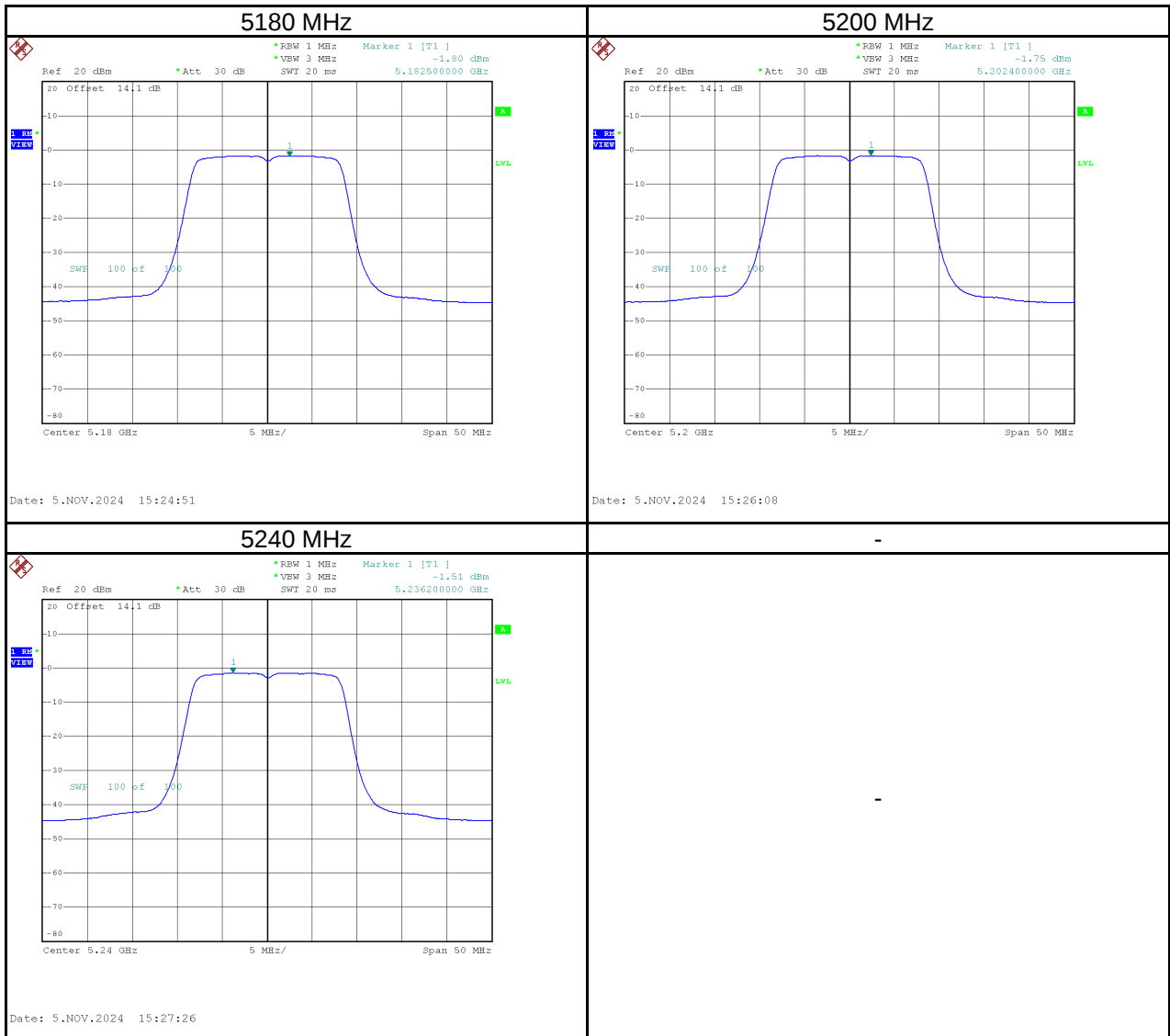
Test Mode	IEEE 802.11ax (HE80) _ Total	Tested Date	2024/10/25~11/7
-----------	------------------------------	-------------	-----------------

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5210	15.10	0.0323	22.59	0.1816	Pass
5775	22.15	0.1639	27.37	0.5458	Pass

APPENDIX F POWER SPECTRAL DENSITY

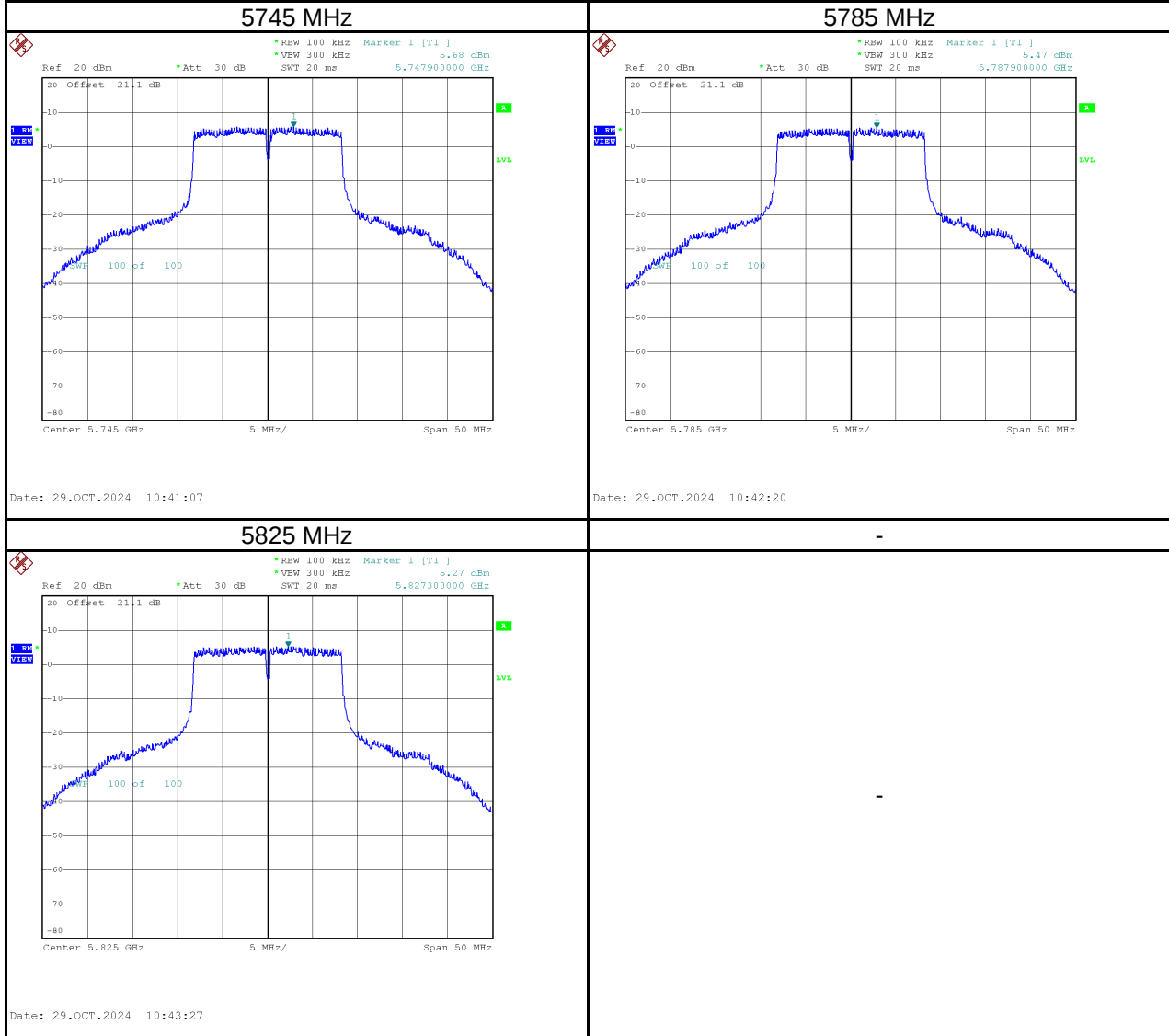
Test Mode	IEEE 802.11a_Main Antenna
-----------	---------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5180	-1.80	0.10	-1.70	15.59	Pass
5200	-1.75	0.10	-1.65	15.59	Pass
5240	-1.51	0.10	-1.41	15.59	Pass



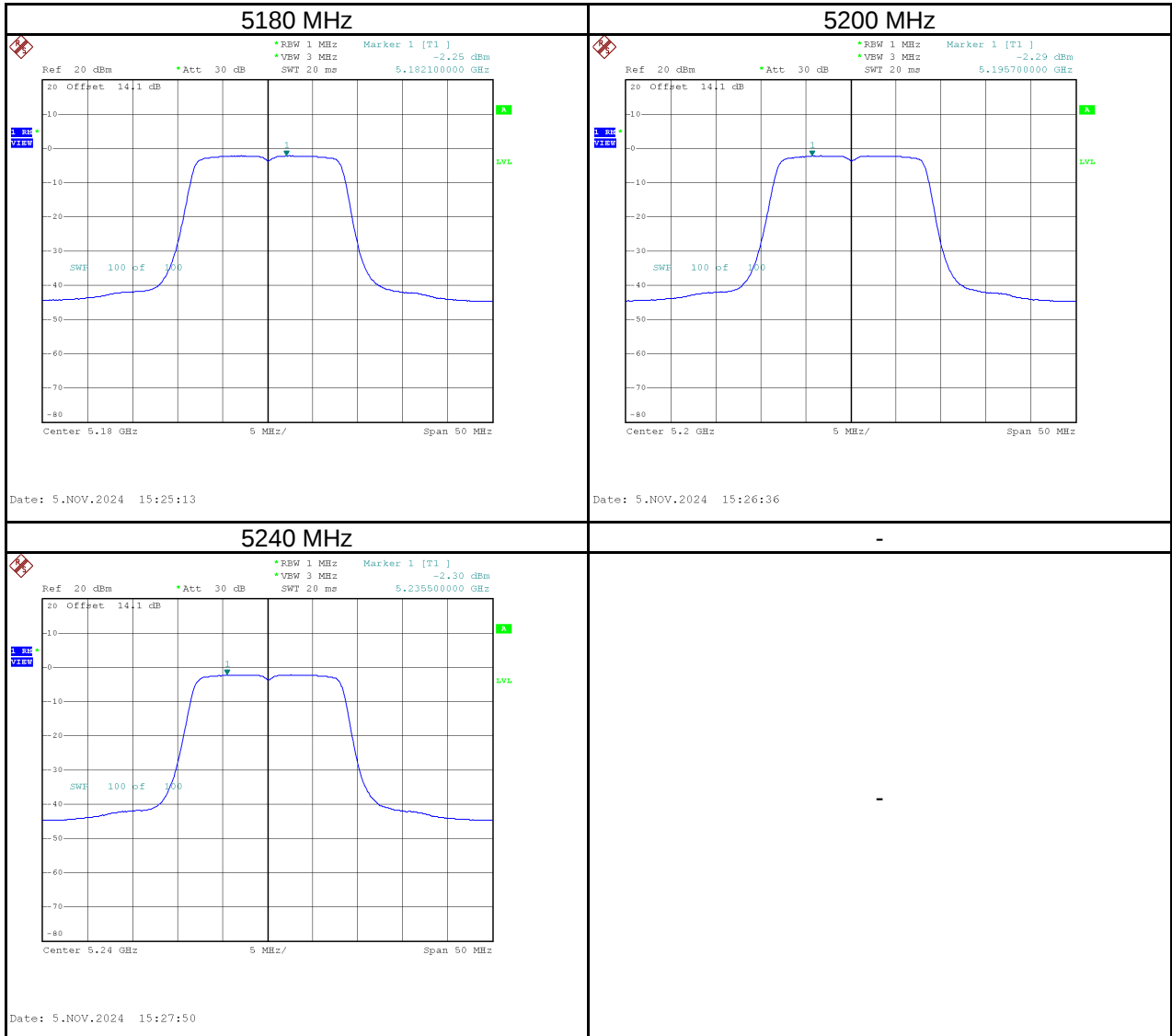
Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5745	5.68	12.67	0.10	12.77	27.37	Pass
5785	5.47	12.46	0.10	12.56	27.37	Pass
5825	5.27	12.26	0.10	12.36	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



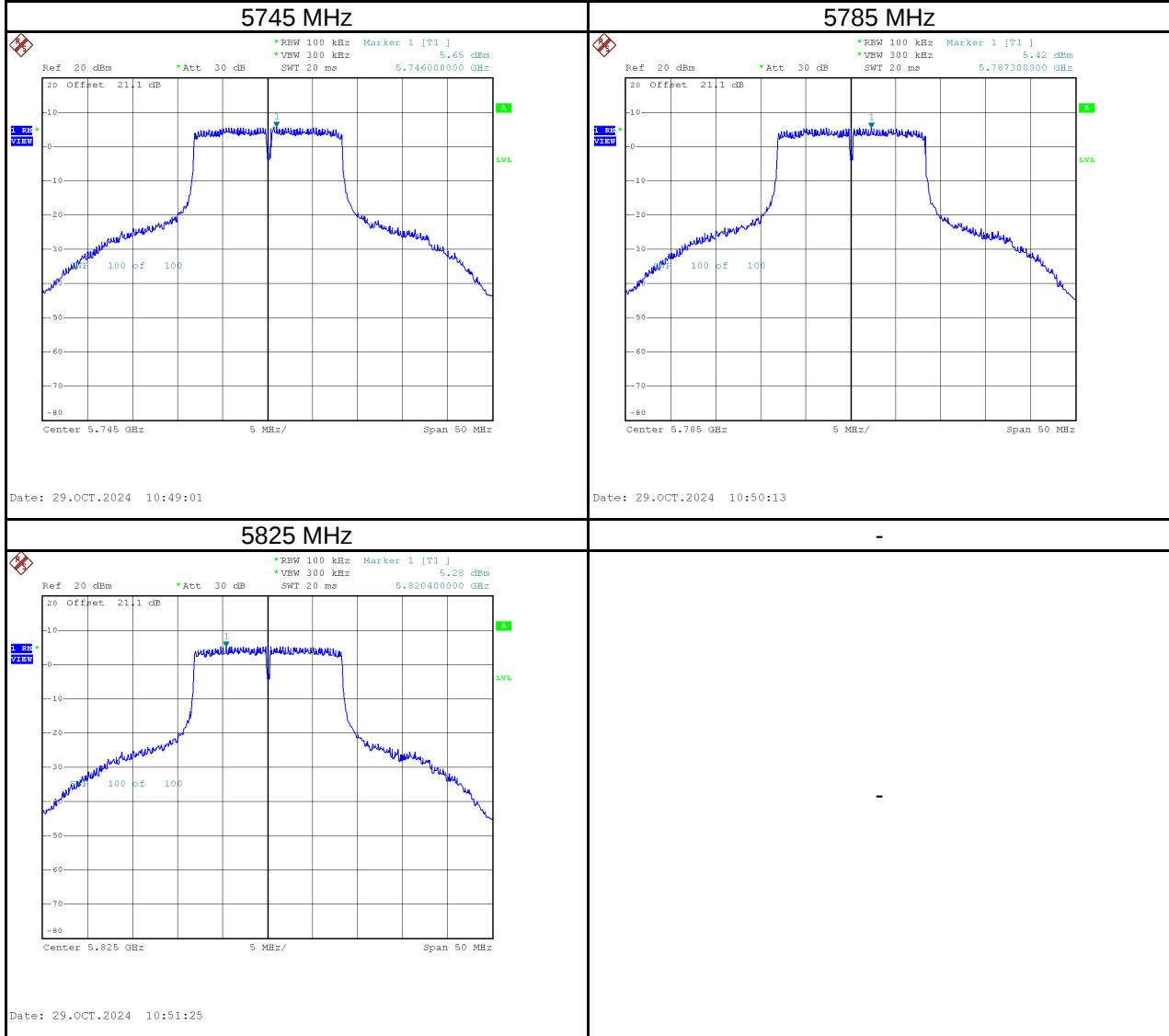
Test Mode	IEEE 802.11a_Aux Antenna
-----------	--------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5180	-2.25	0.10	-2.15	15.59	Pass
5200	-2.29	0.10	-2.19	15.59	Pass
5240	-2.30	0.10	-2.20	15.59	Pass



Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5745	5.65	12.64	0.10	12.74	27.37	Pass
5785	5.42	12.41	0.10	12.51	27.37	Pass
5825	5.28	12.27	0.10	12.37	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



Test Mode	IEEE 802.11a _Total
-----------	---------------------

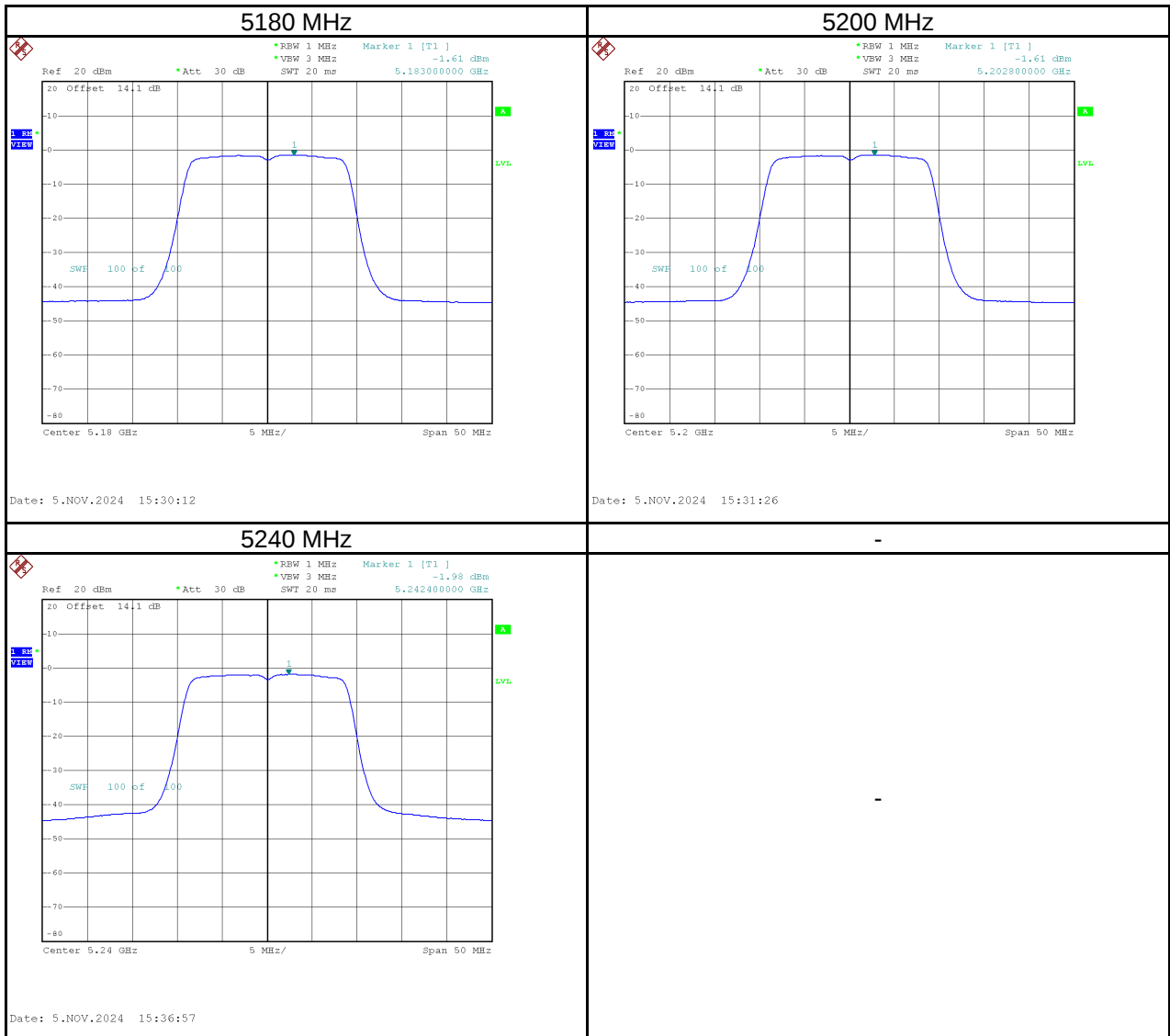
Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5180	0.99	0.10	1.09	15.59	Pass
5200	1.00	0.10	1.10	15.59	Pass
5240	1.12	0.10	1.23	15.59	Pass

Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5745	8.68	15.67	0.10	15.77	27.37	Pass
5785	8.46	15.45	0.10	15.55	27.37	Pass
5825	8.29	15.28	0.10	15.38	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100KHz} + 10 \times \log_{10}(500\text{ KHz} / 100\text{ kHz})$

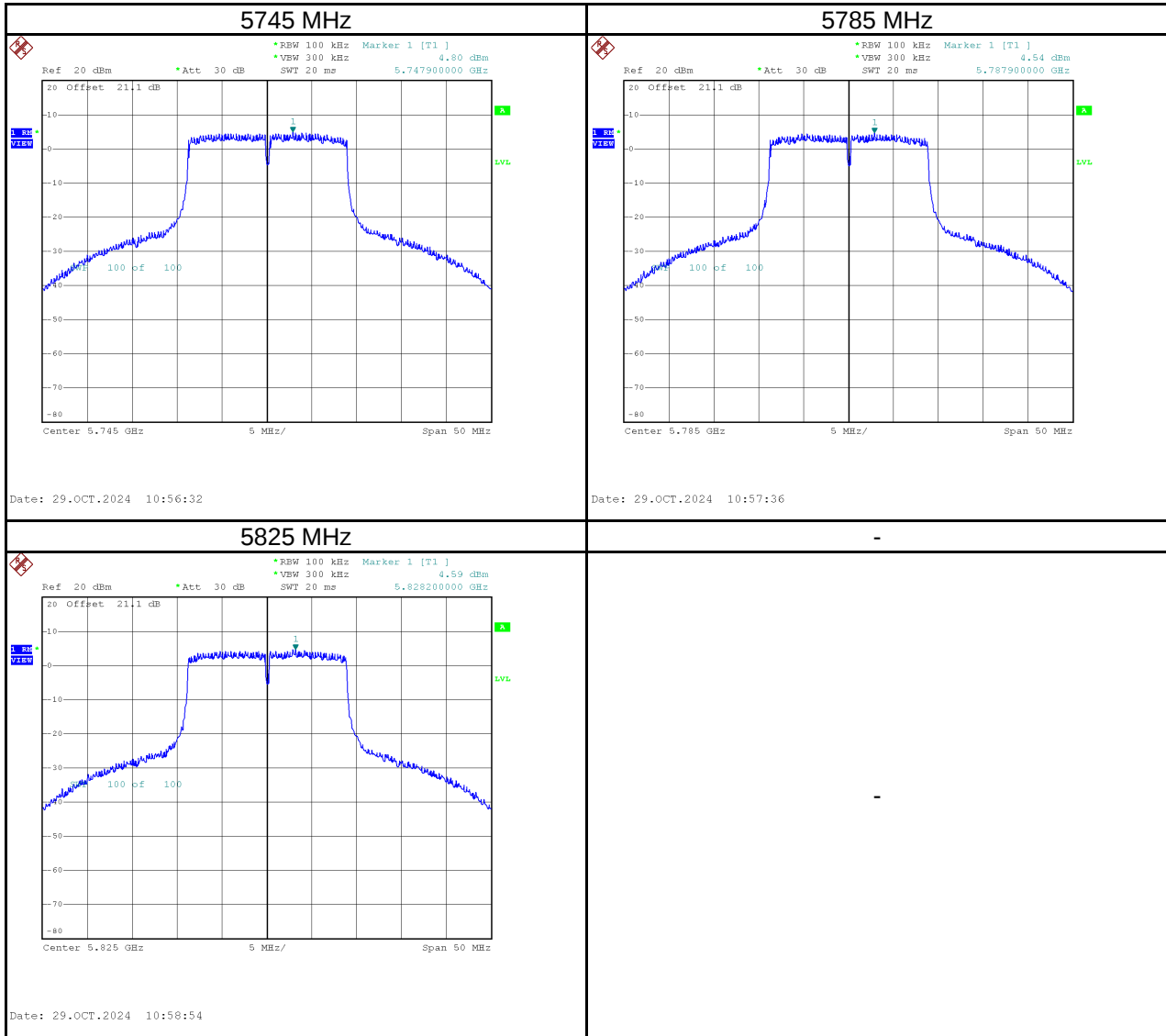
Test Mode	IEEE 802.11n (HT20)_Main Antenna
-----------	----------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5180	-1.61	0.05	-1.56	15.59	Pass
5200	-1.61	0.05	-1.56	15.59	Pass
5240	-1.98	0.05	-1.93	15.59	Pass



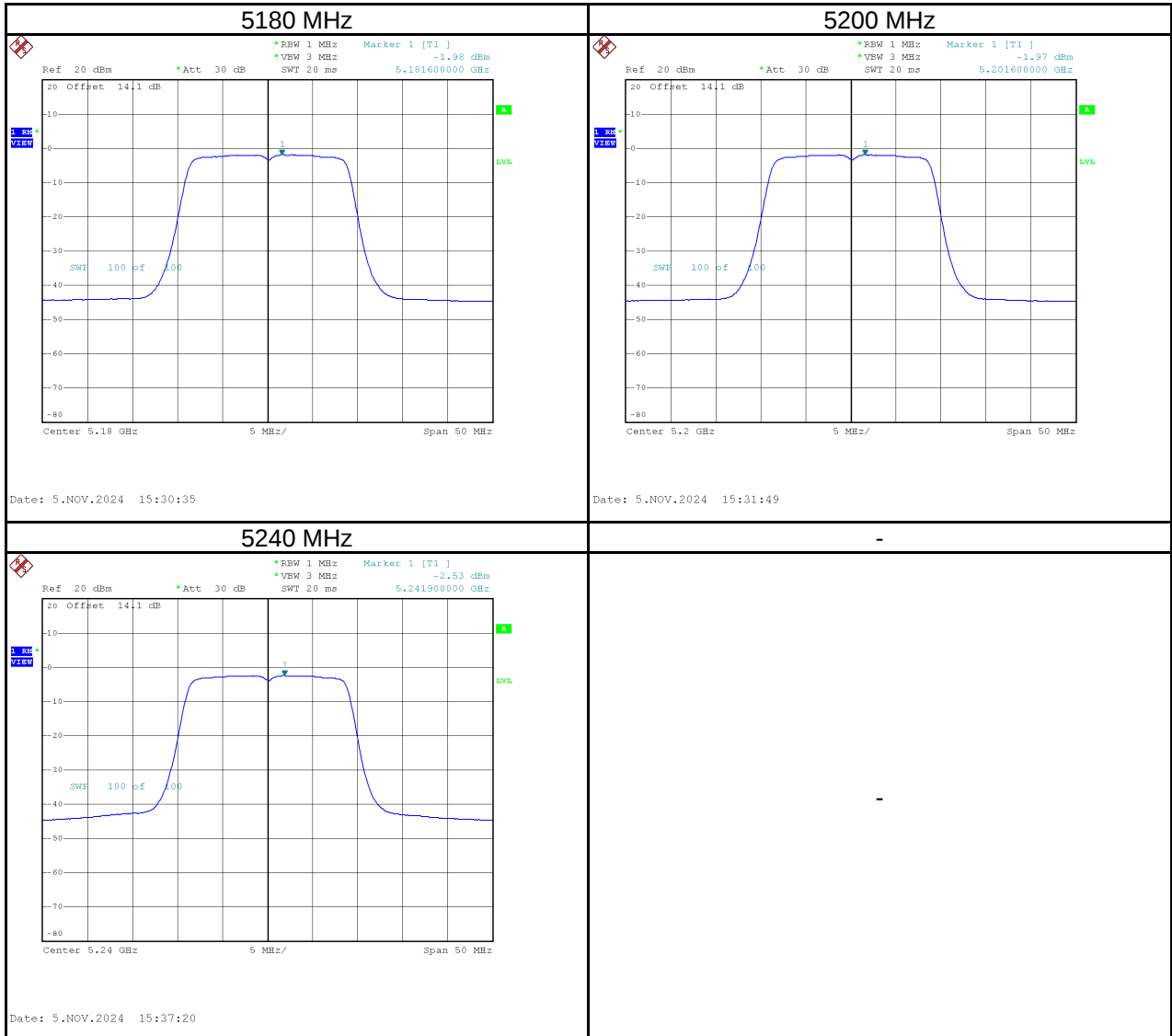
Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5745	4.80	11.79	0.05	11.84	27.37	Pass
5785	4.54	11.53	0.05	11.58	27.37	Pass
5825	4.59	11.58	0.05	11.63	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



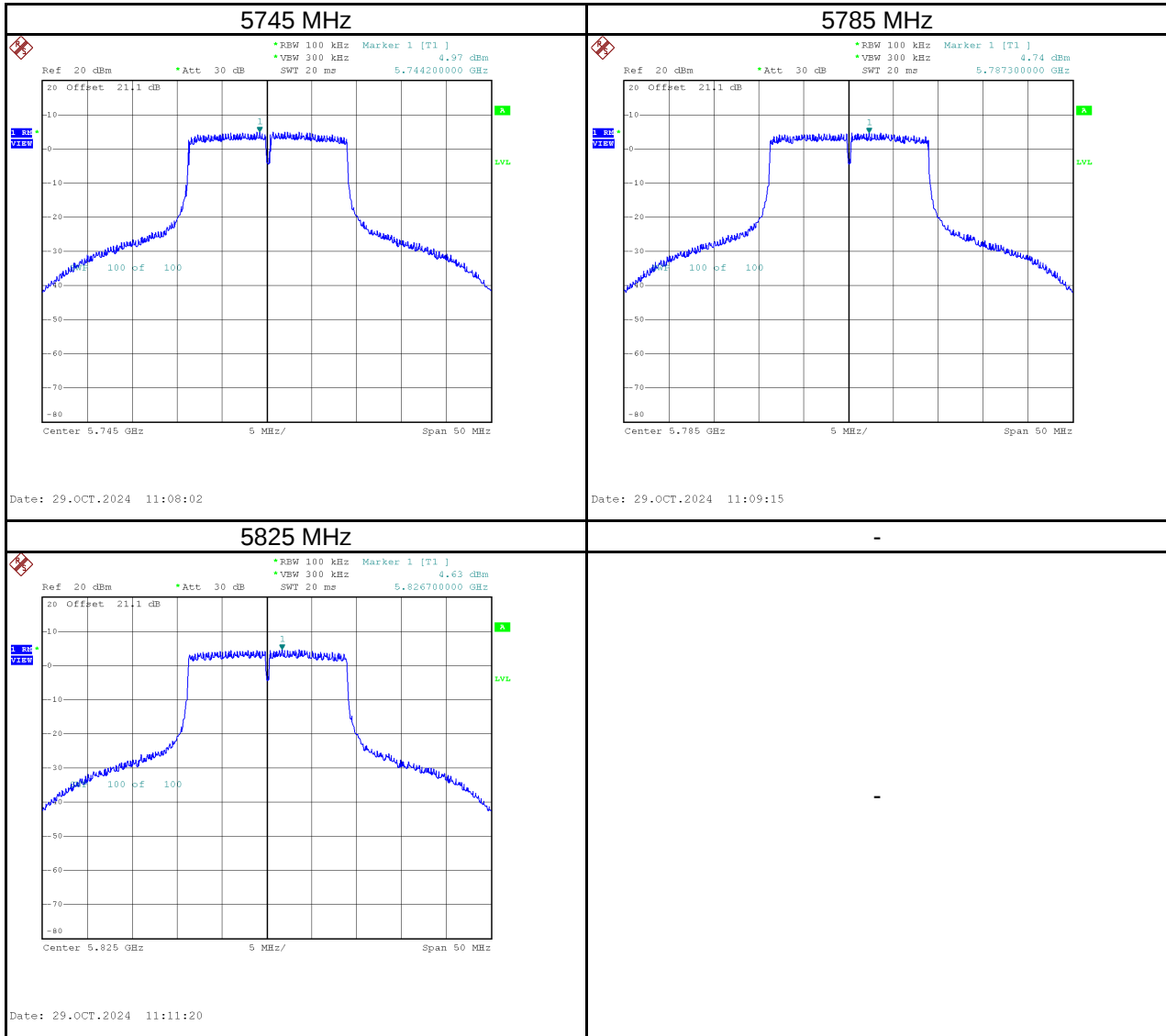
Test Mode	IEEE 802.11n (HT20)_Aux Antenna
-----------	---------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5180	-1.98	0.05	-1.93	15.59	Pass
5200	-1.97	0.05	-1.92	15.59	Pass
5240	-2.53	0.05	-2.48	15.59	Pass



Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5745	4.97	11.96	0.05	12.01	27.37	Pass
5785	4.74	11.73	0.05	11.78	27.37	Pass
5825	4.63	11.62	0.05	11.67	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



Test Mode	IEEE 802.11n (HT20)_Total
-----------	---------------------------

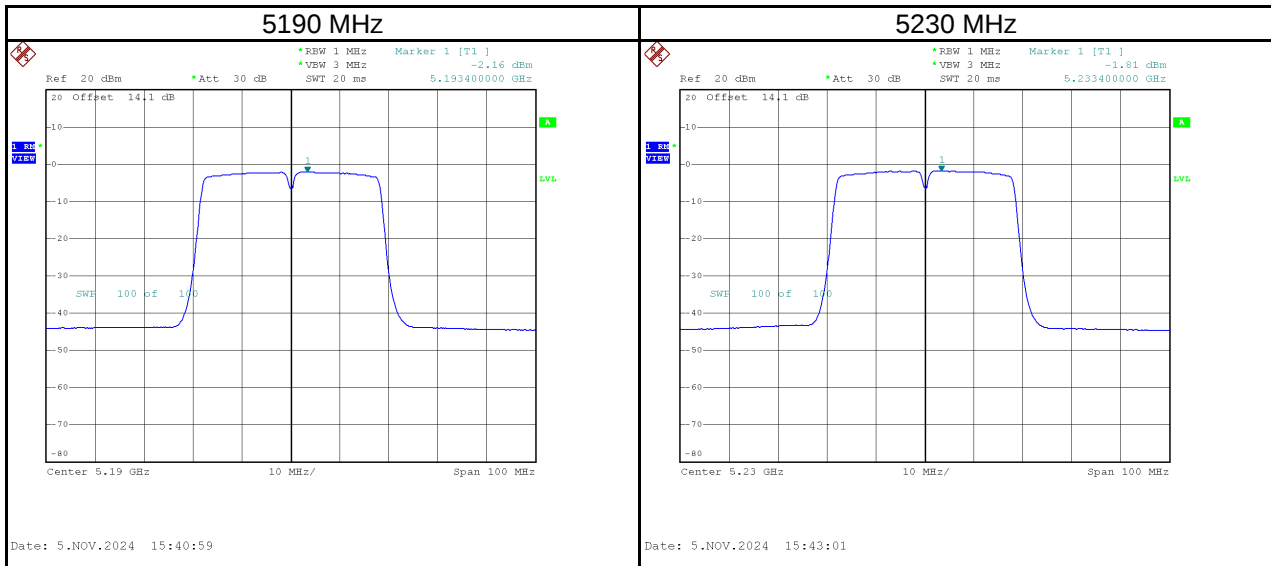
Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5180	1.22	0.05	1.27	15.59	Pass
5200	1.22	0.05	1.27	15.59	Pass
5240	0.76	0.05	0.81	15.59	Pass

Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5745	7.90	14.89	0.05	14.93	27.37	Pass
5785	7.65	14.64	0.05	14.69	27.37	Pass
5825	7.62	14.61	0.05	14.66	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100KHz} + 10 \times \log_{10}(500\text{ KHz} / 100\text{ kHz})$

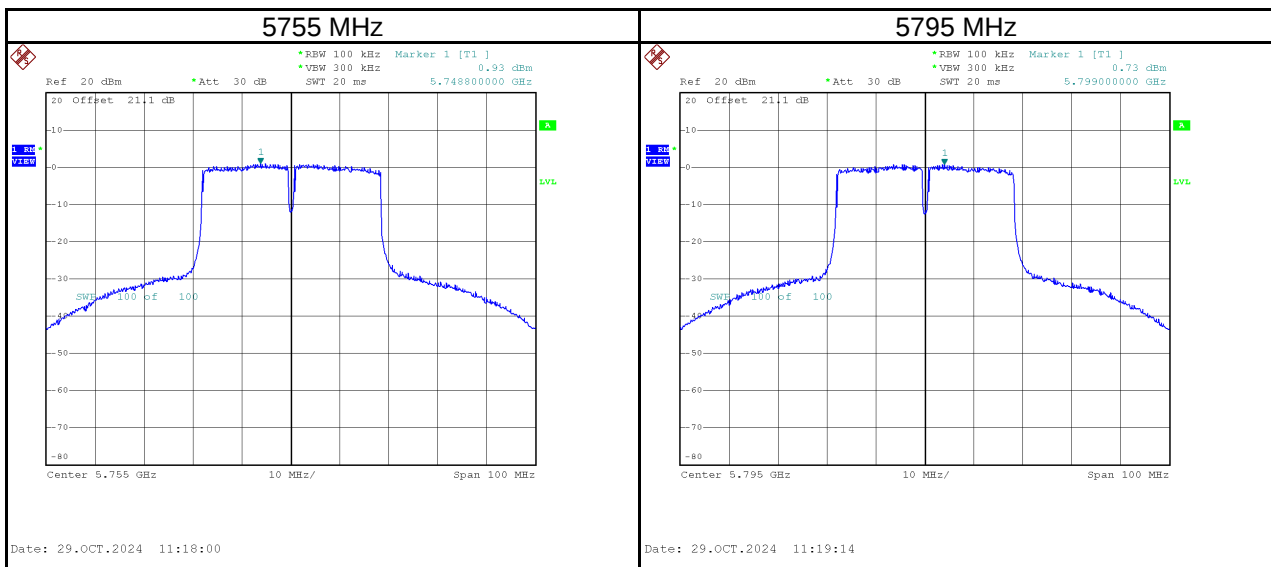
Test Mode	IEEE 802.11n (HT40)_Main Antenna
-----------	----------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5190	-2.16	0.10	-2.06	15.59	Pass
5230	-1.81	0.10	-1.71	15.59	Pass



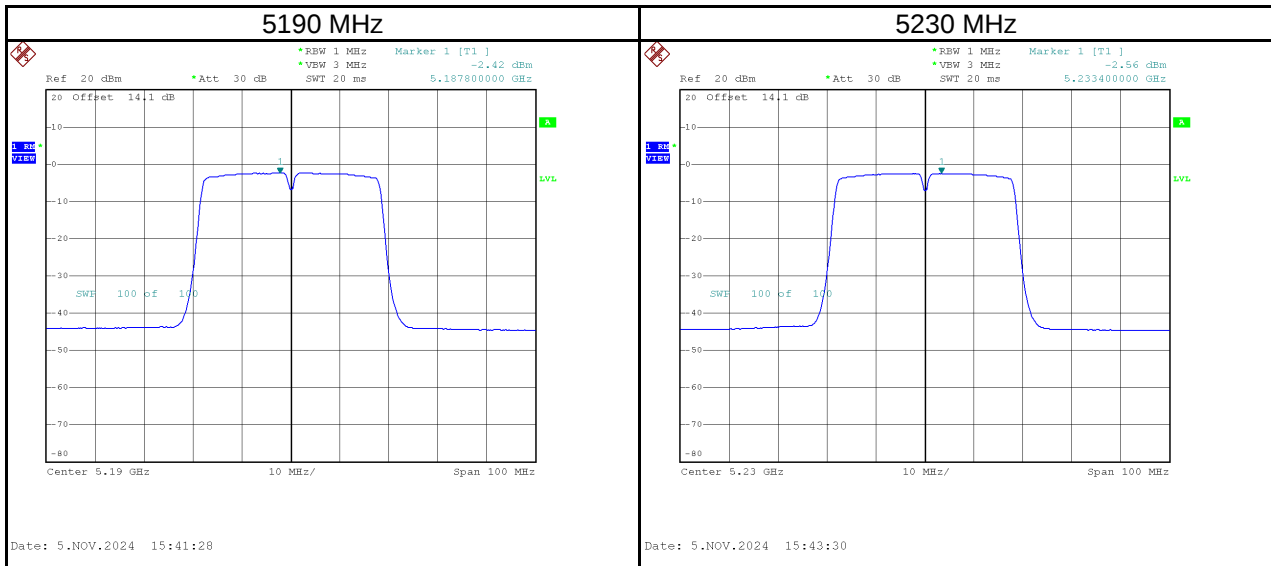
Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5755	0.93	7.92	0.10	8.02	27.37	Pass
5795	0.73	7.72	0.10	7.82	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



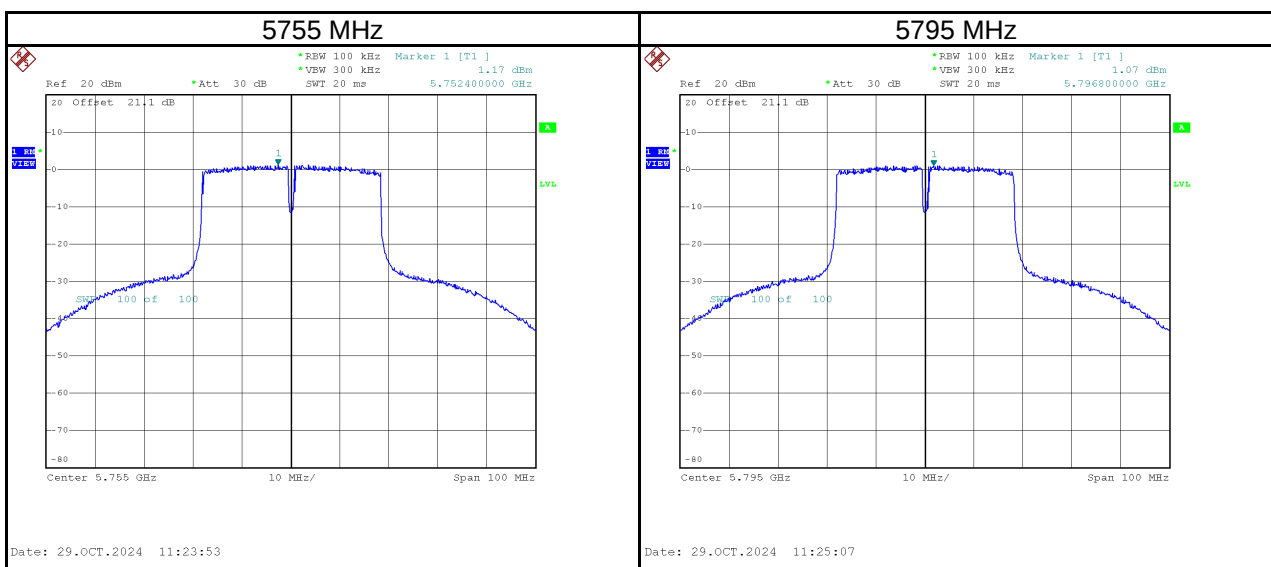
Test Mode	IEEE 802.11n (HT40)_Aux Antenna
-----------	---------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5190	-2.42	0.10	-2.32	15.59	Pass
5230	-2.56	0.10	-2.46	15.59	Pass



Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5755	1.17	8.16	0.10	8.26	27.37	Pass
5795	1.07	8.06	0.10	8.16	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



Test Mode	IEEE 802.11n (HT40)_Total
-----------	---------------------------

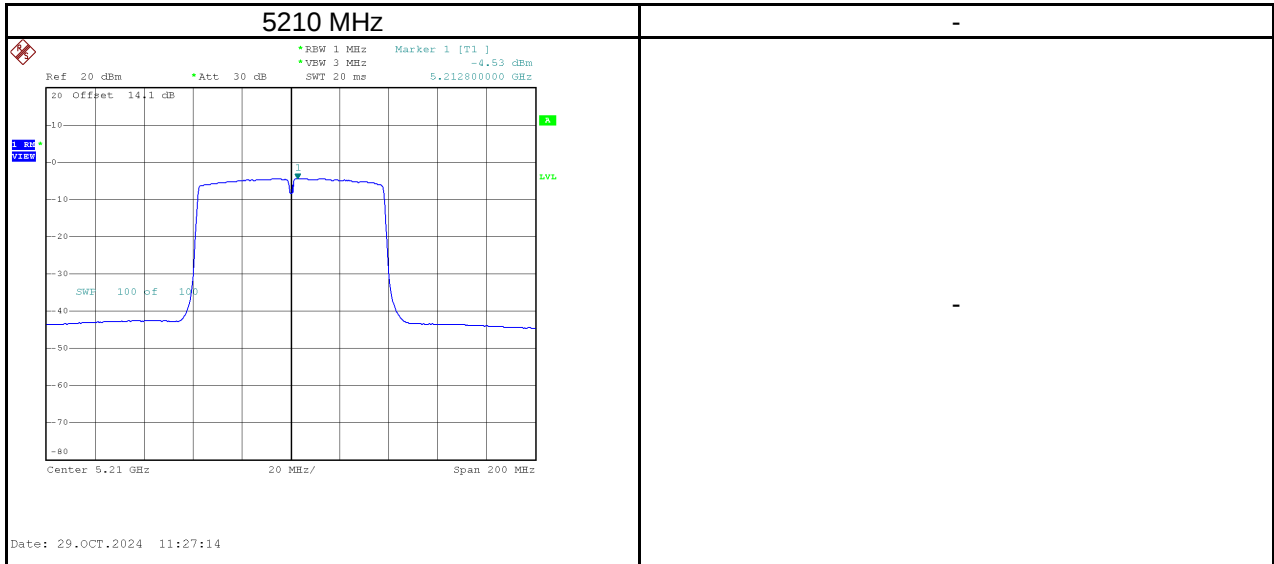
Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5190	0.72	0.10	0.82	15.59	Pass
5230	0.84	0.10	0.94	15.59	Pass

Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5755	4.06	11.05	0.10	11.15	27.37	Pass
5795	3.91	10.90	0.10	11.00	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100KHz} + 10 \times \log_{10}(500\text{ KHz} / 100\text{ kHz})$

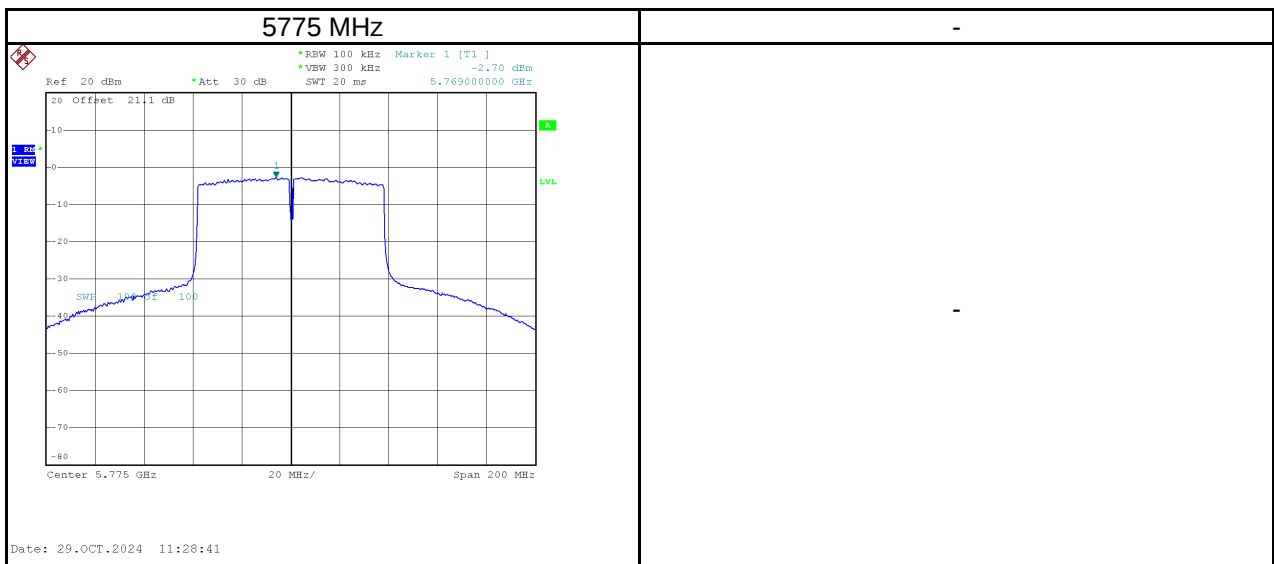
Test Mode	IEEE 802.11ac (VHT80)_Main Antenna
-----------	------------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5210	-4.53	0.06	-4.47	15.59	Pass



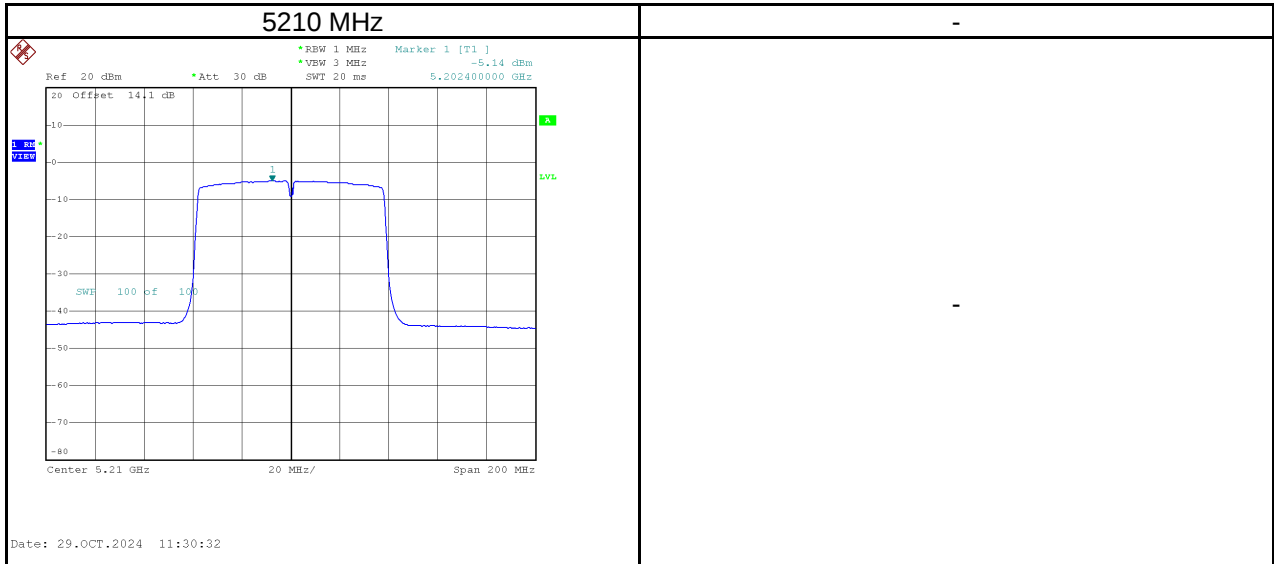
Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5775	-2.70	4.29	0.06	4.35	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



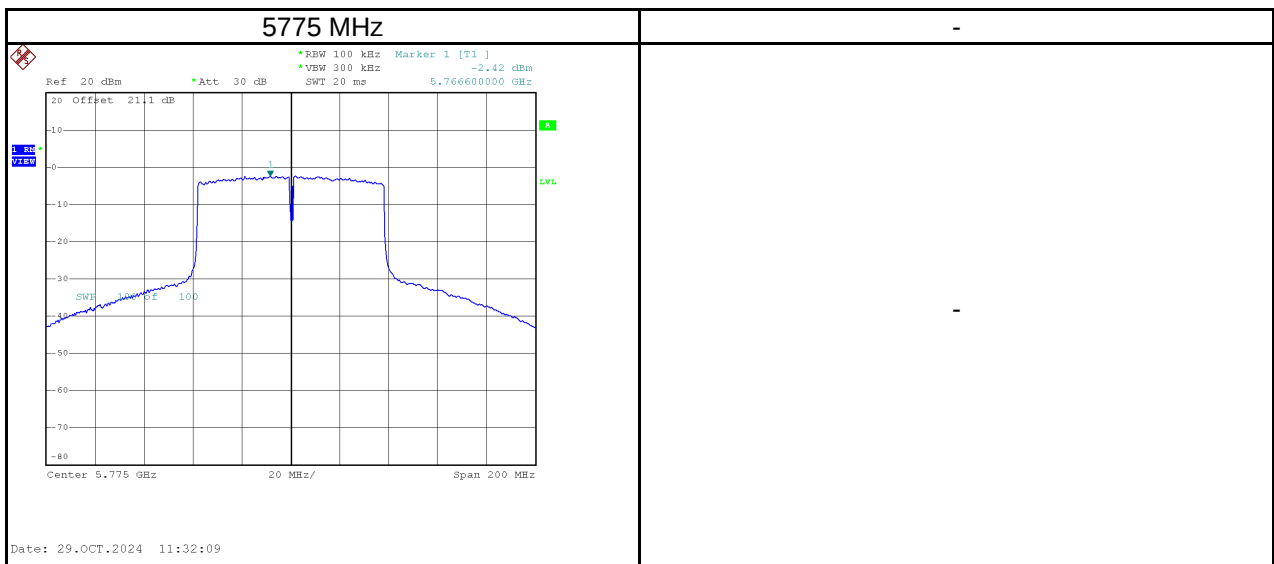
Test Mode	IEEE 802.11ac (VHT80)_Aux Antenna
-----------	-----------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5210	-5.14	0.06	-5.08	15.59	Pass



Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5775	-2.42	4.57	0.06	4.63	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ KHz} / 100\text{ kHz})$



Test Mode	IEEE 802.11ac (VHT80)_Total
-----------	-----------------------------

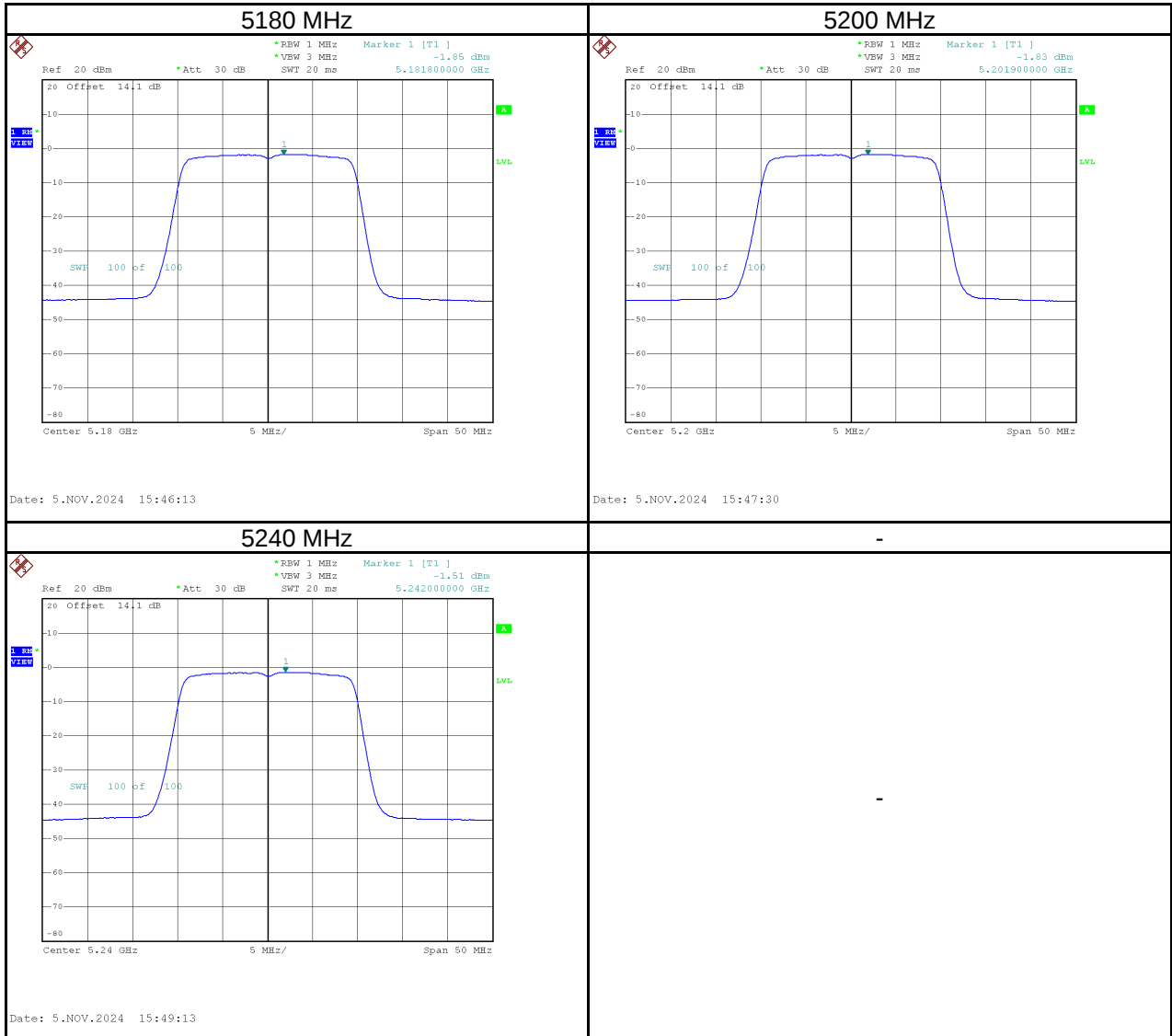
Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5210	-1.81	0.06	-1.75	15.59	Pass

Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5775	0.45	7.44	0.06	7.51	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100KHz} + 10 \times \log_{10}(500\text{ KHz} / 100\text{ kHz})$

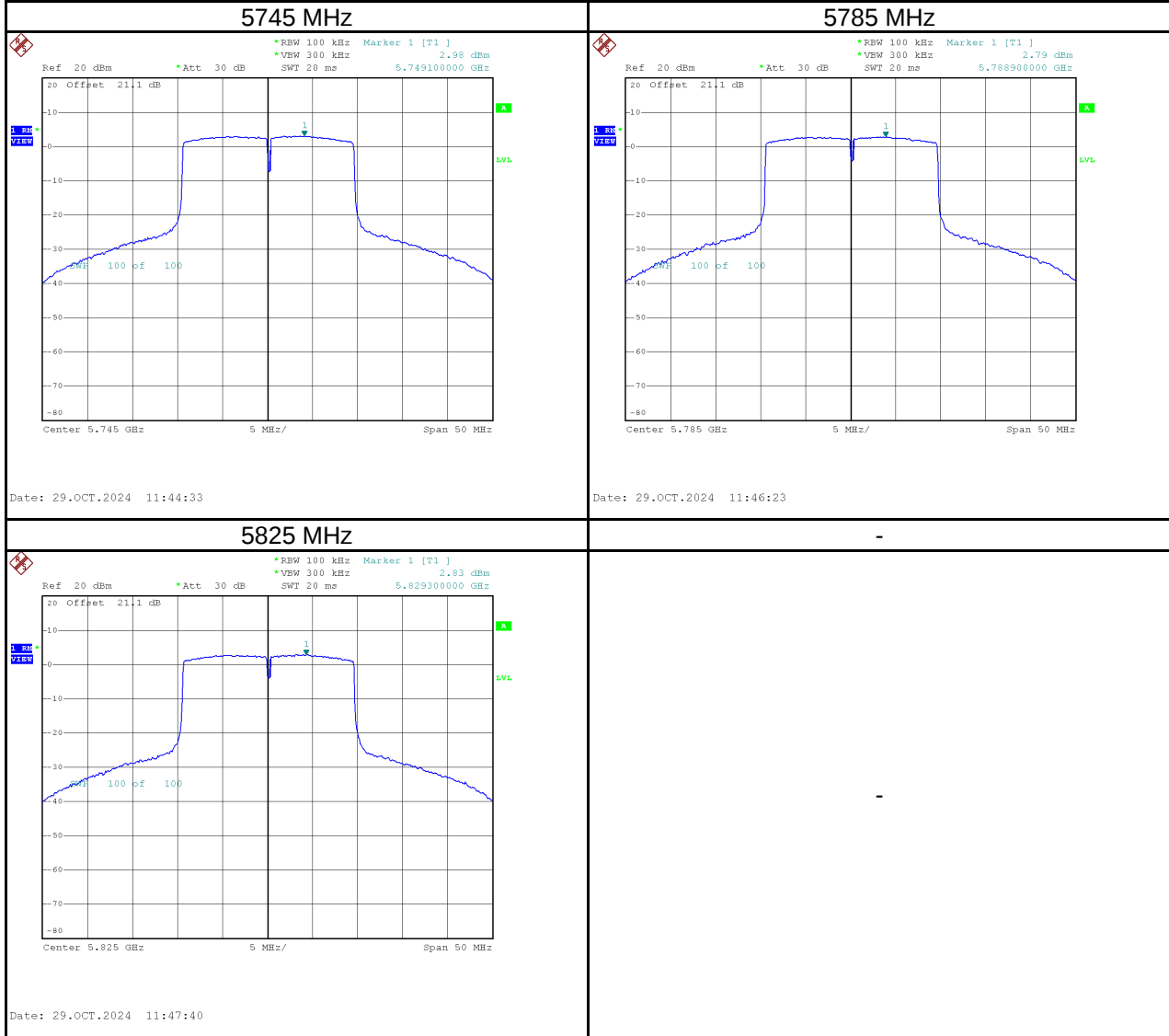
Test Mode	IEEE 802.11ax (HE20)_Main Antenna
-----------	-----------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5180	-1.85	0.05	-1.80	15.59	Pass
5200	-1.83	0.05	-1.78	15.59	Pass
5240	-1.51	0.05	-1.46	15.59	Pass



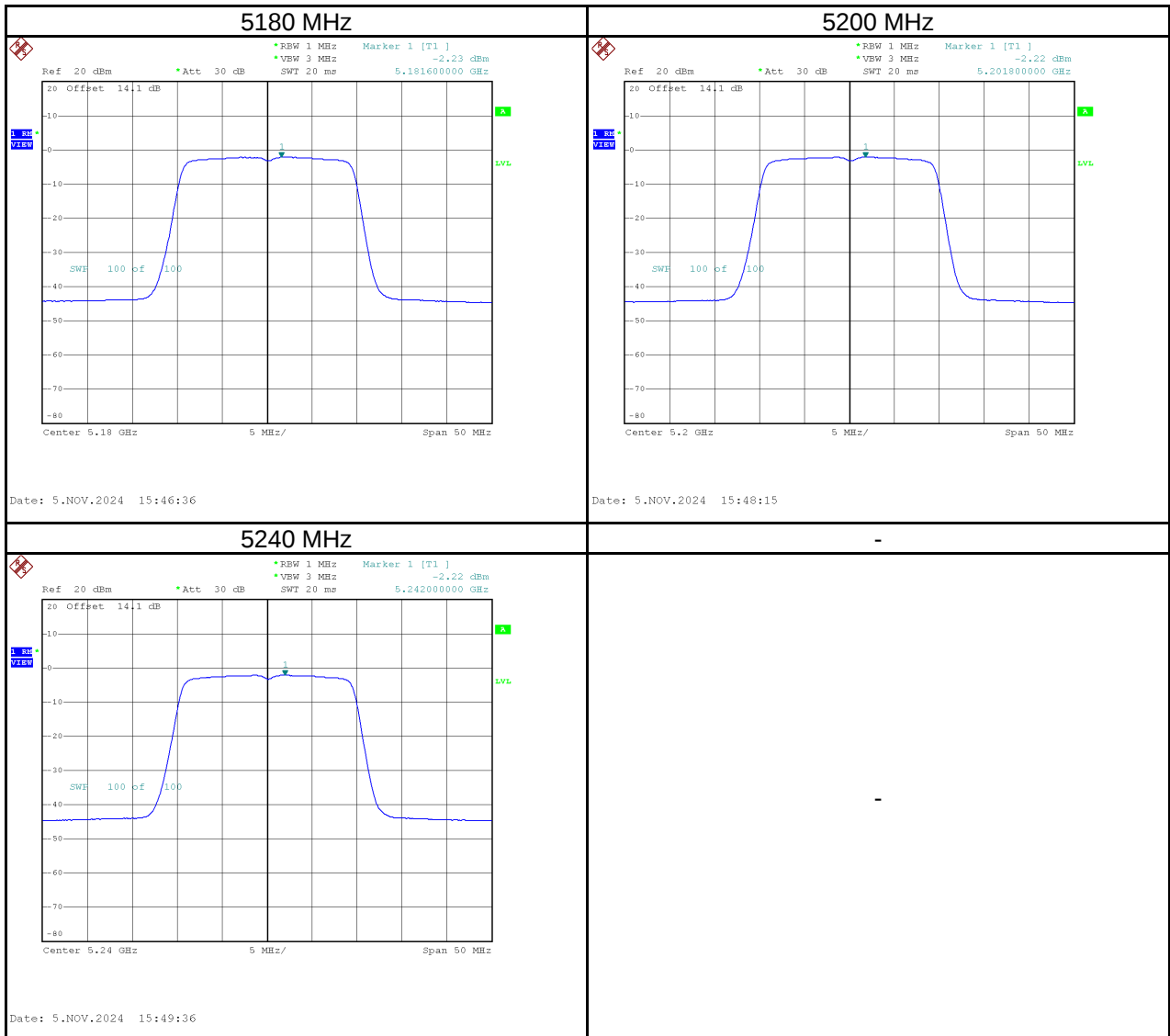
Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5745	2.98	9.97	0.05	10.02	27.37	Pass
5785	2.79	9.78	0.05	9.83	27.37	Pass
5825	2.83	9.82	0.05	9.87	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



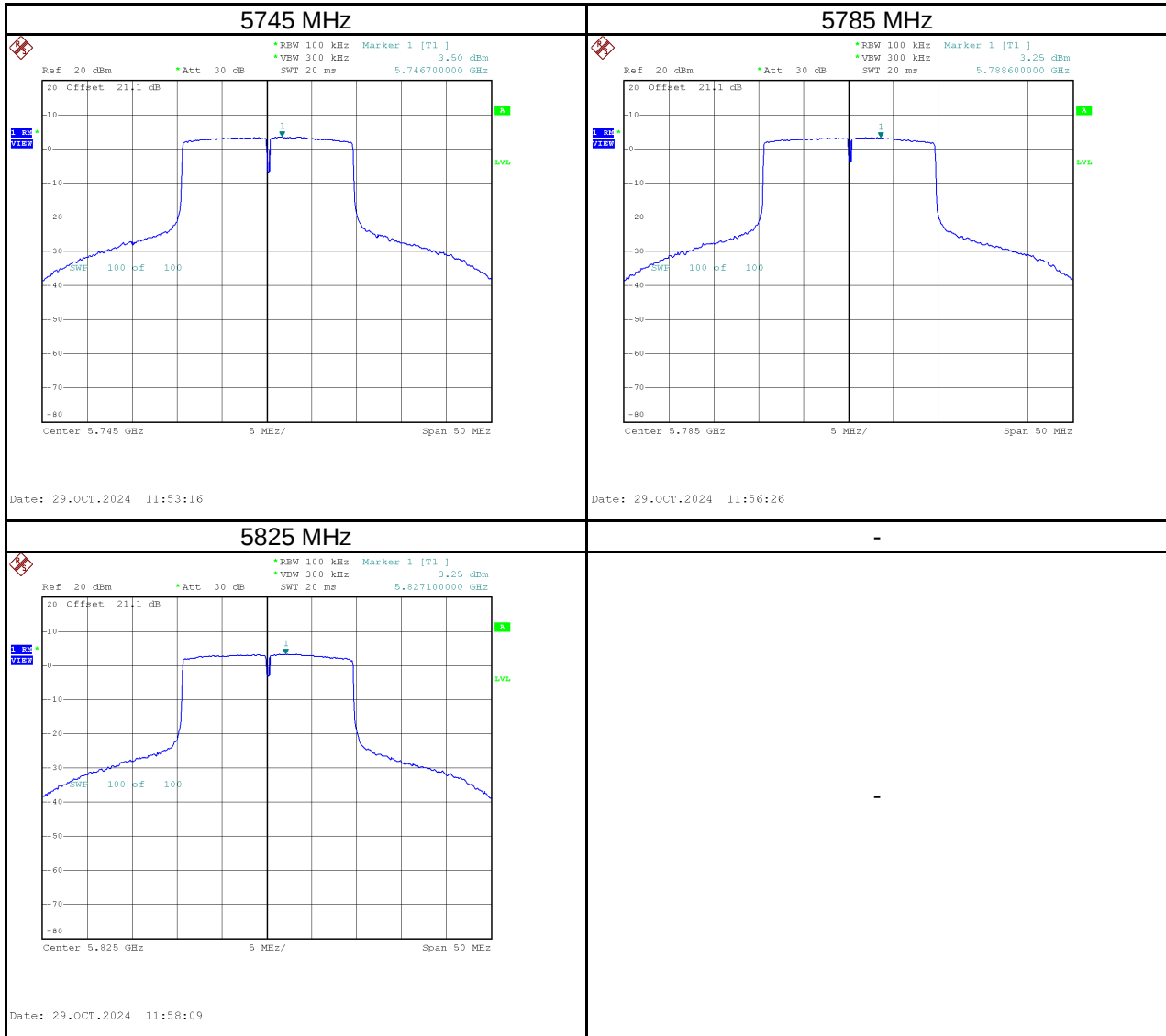
Test Mode	IEEE 802.11ax (HE20)_Aux Antenna
-----------	----------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5180	-2.23	0.05	-2.18	15.59	Pass
5200	-2.22	0.05	-2.17	15.59	Pass
5240	-2.22	0.05	-2.17	15.59	Pass



Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5745	3.50	10.49	0.05	10.54	27.37	Pass
5785	3.25	10.24	0.05	10.29	27.37	Pass
5825	3.25	10.24	0.05	10.29	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



Test Mode	IEEE 802.11ax (HE20)_Total
-----------	----------------------------

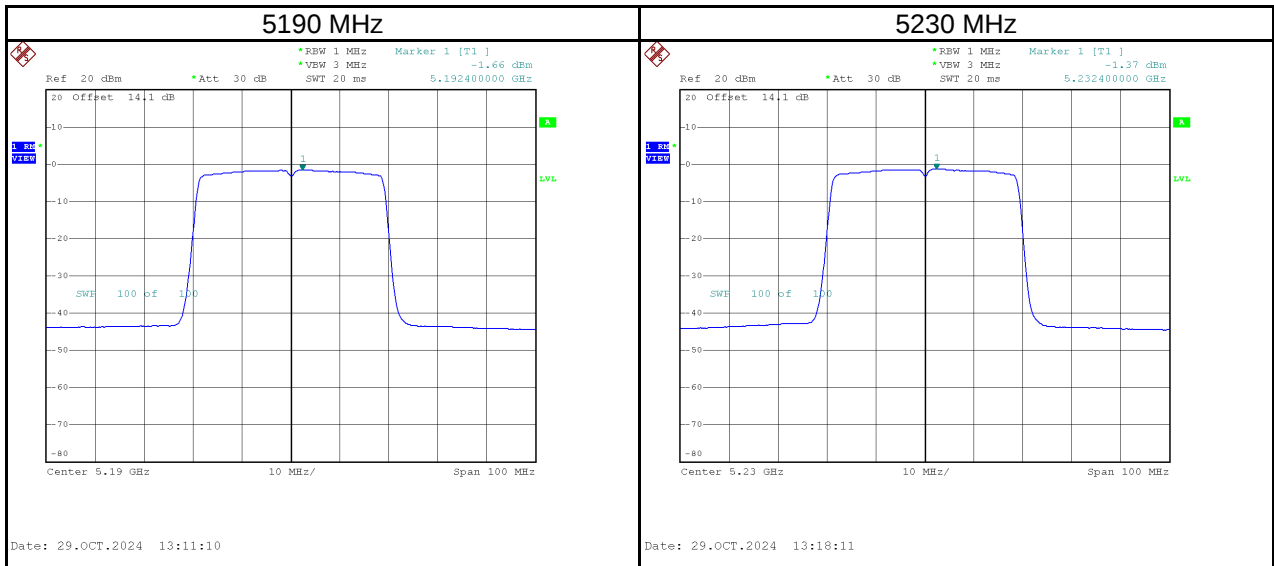
Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5180	0.97	0.05	1.02	15.59	Pass
5200	0.99	0.05	1.04	15.59	Pass
5240	1.16	0.05	1.21	15.59	Pass

Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5745	6.26	13.25	0.05	13.30	27.37	Pass
5785	6.04	13.03	0.05	13.07	27.37	Pass
5825	6.06	13.05	0.05	13.09	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100KHz} + 10 \times \log_{10}(500\text{ KHz} / 100\text{ kHz})$

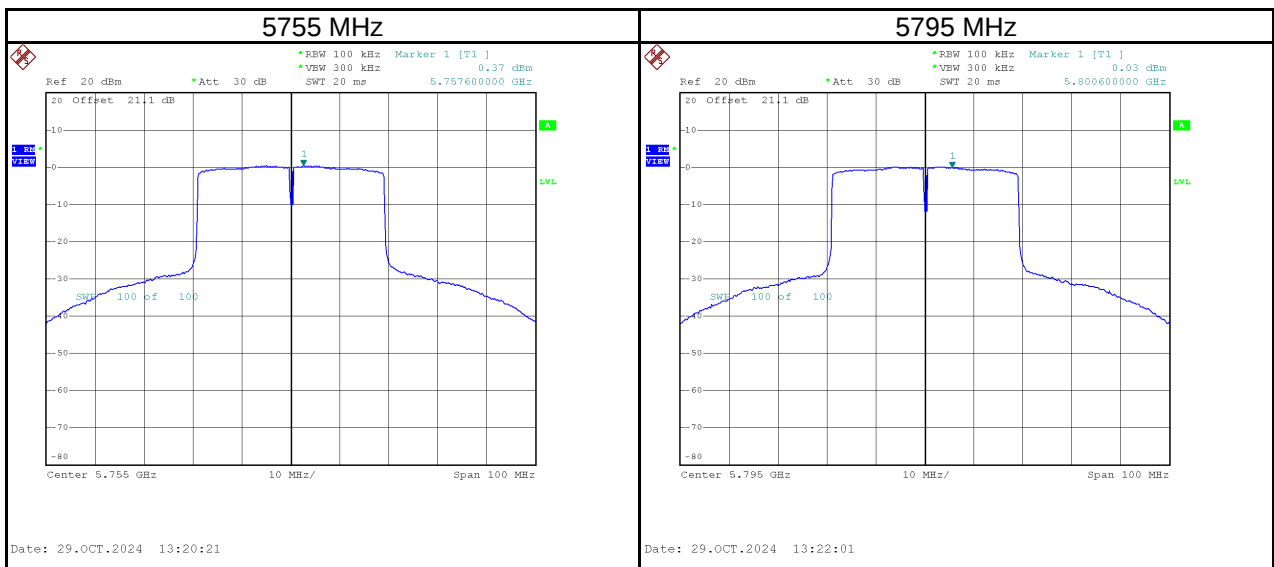
Test Mode	IEEE 802.11ax (HE40)_Main Antenna
-----------	-----------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5190	-1.66	0.05	-1.61	15.59	Pass
5230	-1.37	0.05	-1.32	15.59	Pass



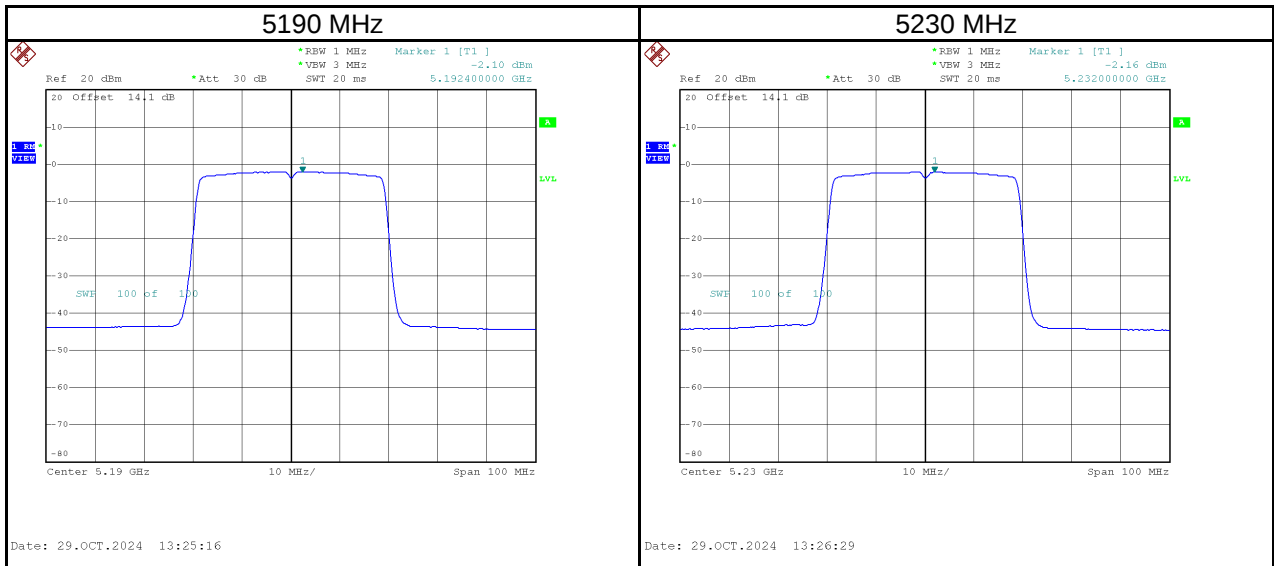
Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5755	0.37	7.36	0.05	7.41	27.37	Pass
5795	0.03	7.02	0.05	7.07	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



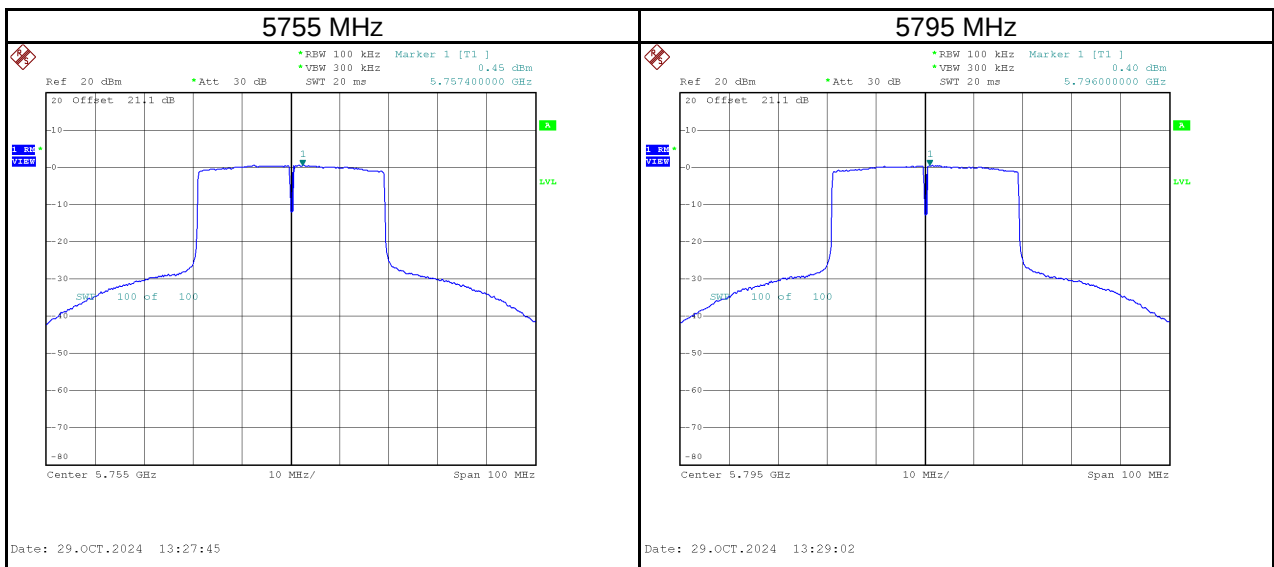
Test Mode	IEEE 802.11ax (HE40)_Aux Antenna
-----------	----------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5190	-2.10	0.05	-2.05	15.59	Pass
5230	-2.16	0.05	-2.11	15.59	Pass



Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5755	0.45	7.44	0.05	7.49	27.37	Pass
5795	0.40	7.39	0.05	7.44	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



Test Mode	IEEE 802.11ax (HE40)_Total
-----------	----------------------------

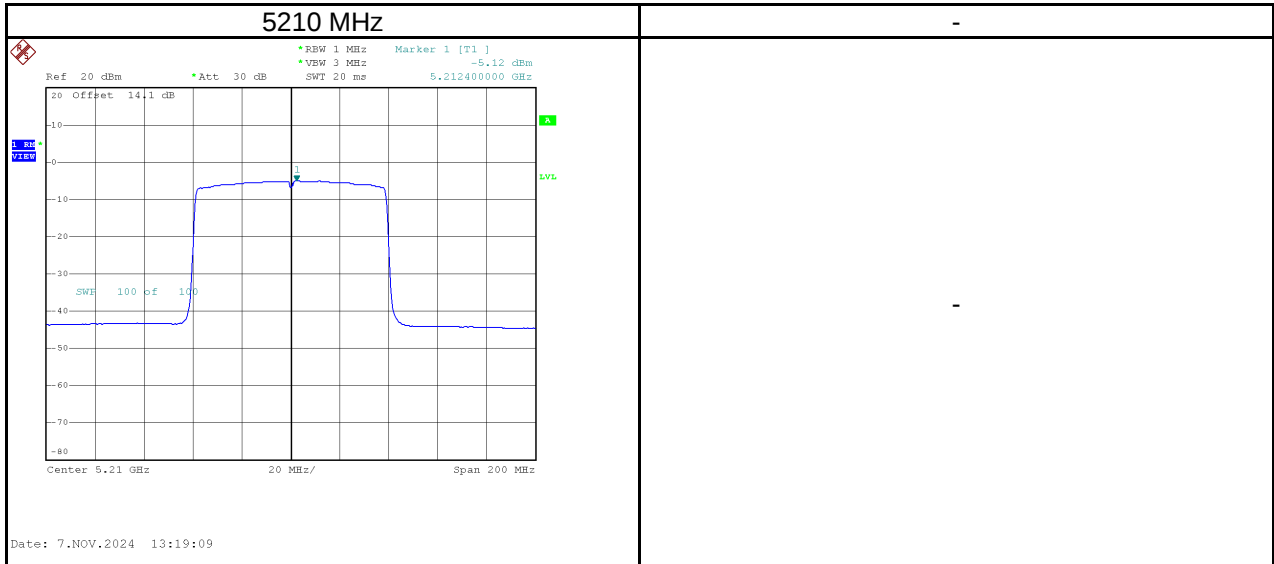
Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5190	1.14	0.05	1.18	15.59	Pass
5230	1.26	0.05	1.31	15.59	Pass

Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5755	3.42	10.41	0.05	10.46	27.37	Pass
5795	3.23	10.22	0.05	10.27	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100KHz} + 10 \times \log_{10}(500\text{ KHz} / 100\text{ kHz})$

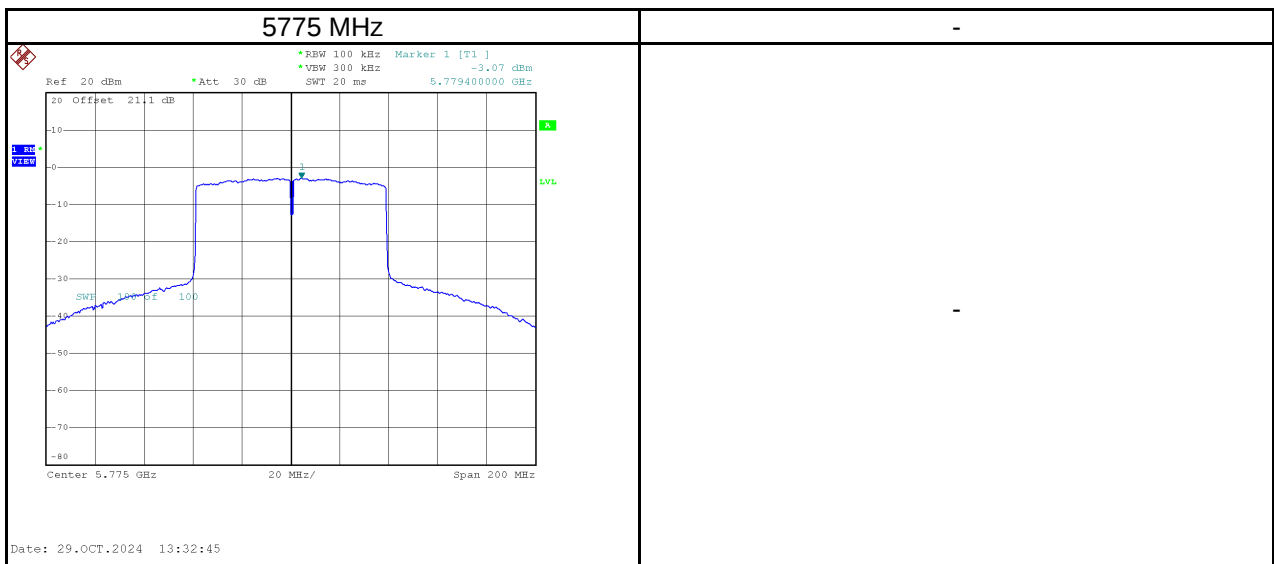
Test Mode	IEEE 802.11ax (HE80)_Main Antenna
-----------	-----------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5210	-5.12	0.06	-5.06	15.59	Pass



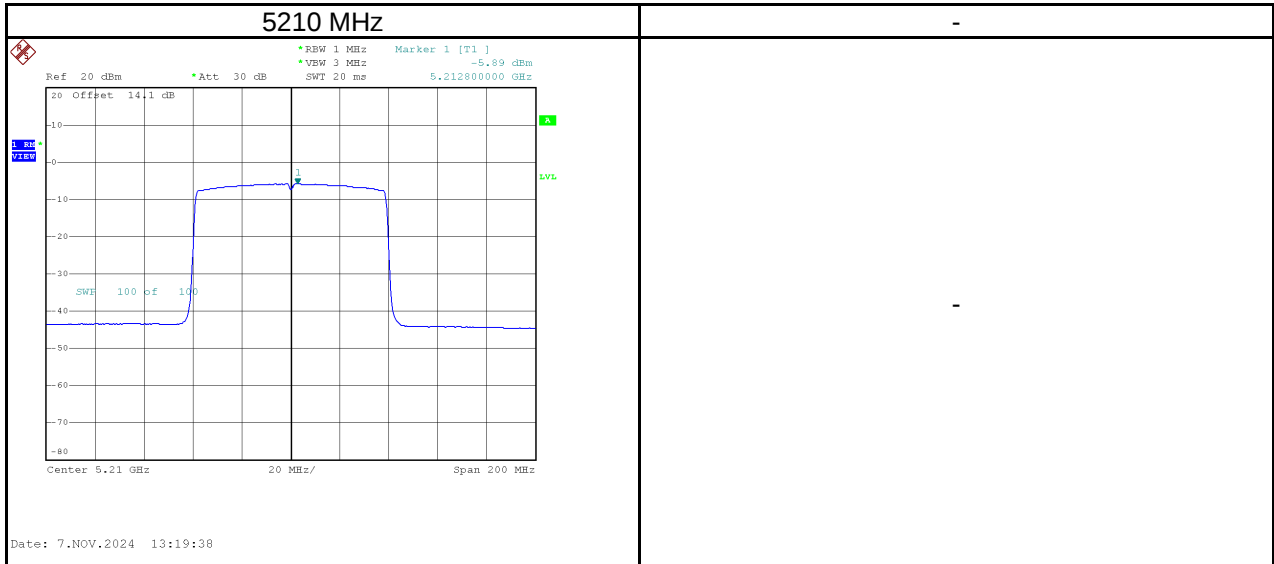
Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5775	-3.07	3.92	0.06	3.98	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ KHz} / 100\text{ kHz})$



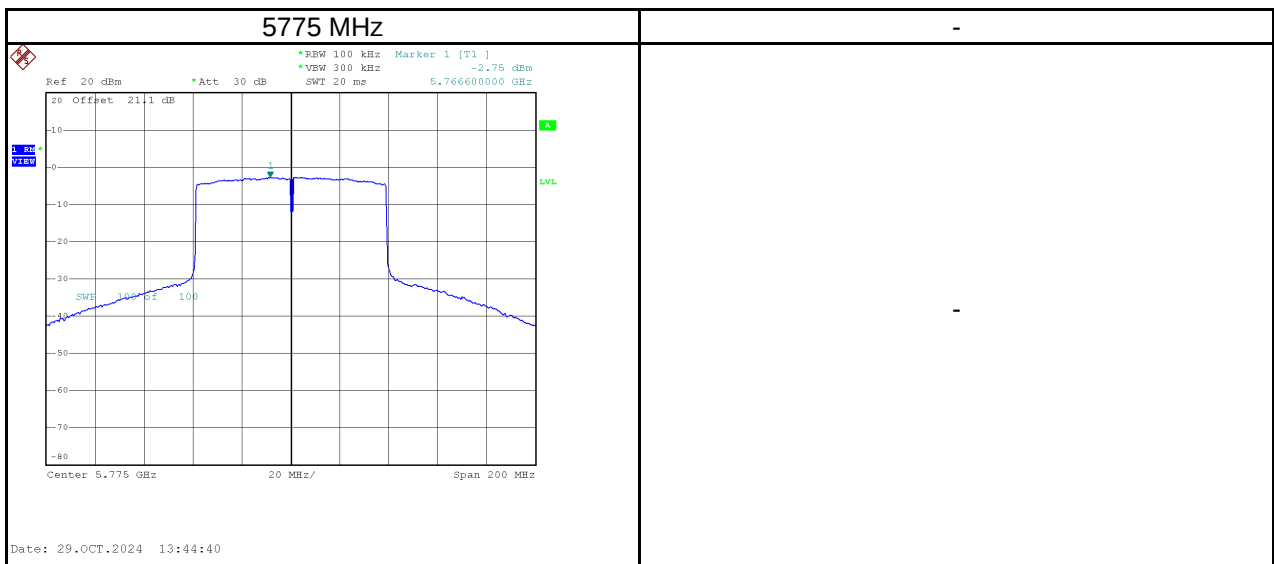
Test Mode	IEEE 802.11ax (HE80)_Aux Antenna
-----------	----------------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5210	-5.89	0.06	-5.83	15.59	Pass



Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5775	-2.75	4.24	0.06	4.30	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log_{10}(500\text{ kHz} / 100\text{ kHz})$



Test Mode	IEEE 802.11ax (HE80)_Total
-----------	----------------------------

Test Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Calculated Power Density (dBm/MHz)	Maximum Limit (dBm/MHz)	Result
5210	-2.48	0.06	-2.41	15.59	Pass

Test Frequency (MHz)	Power Density (dBm/100 kHz)	Power Density (dBm/500 kHz)	Duty Factor (dB)	Calculated Power Density (dBm/500 kHz)	Maximum Limit (dBm/500 kHz)	Result
5775	0.10	7.09	0.06	7.16	27.37	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100KHz} + 10 \times \log_{10}(500\text{ KHz} / 100\text{ kHz})$

End of Test Report