

FCC Radio Test Report

FCC ID: 2ABVH-AX211D2W

Report No. : BTL-FCCP-6-2310G005
Equipment : Intel® Wi-Fi 6E AX211
Model Name : AX211D2W
Brand Name : AAVA
Applicant : Aava Mobile Oy
Address : Nahkatehtaankatu 2, FI-90130 Oulu, Finland
Manufacturer : Aava Mobile Oy
Address : Nahkatehtaankatu 2, FI-90130 Oulu, Finland
Factory : Ennoconn (Suzhou) Technology Co.,Ltd
Address : BUILDING 1, 299 NANSONG RD, YU SHAN TOWN KUNSHAN 215300
 JIANGSU CHINA

Radio Function : RLAN 5 GHz (U-NII 1, U-NII 2a, U-NII 2c, U-NII 3)

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

Date of Receipt : 2023/11/1
Date of Test : 2023/11/16 ~ 2023/11/30
Date of Receipt : 2024/1/12

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

Prepared by : 
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Approved by : 
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Declaration

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

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

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

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

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

Limitation

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

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

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-6-2310G005	R00	Original Report.	2024/1/12	Valid

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	Pass	-----
15.205 15.209 15.407(b)	Radiated Emissions	APPENDIX B APPENDIX C	Pass	-----
15.407(a)	Output Power	APPENDIX D	Pass	-----

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.
- (3) This is to request a Class II permissive change for FCC ID: 2ABVH-AX211D2W (This FCC ID is change ID based on Intel Mobile Communications, the original application information follow as model: AX211D2W, FCC ID: PD9AX211D2, approved on 02/26/2021)
The major change filed under this application is:
Change #1: Implementation in new platform (Model number: INARI-D-10-WIG-1 Product name: Tablet)
Since the RF module has been certificated, after evaluation, above test items were criticized and reconfirmed in this report.
- (4) After spot check, this revision does not change original radio parameters.

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.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan
(FCC DN: TW0030)

☒ CB18

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately 95 %.

The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{CISPR} requirement.

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U (dB)
C05	CISPR	150 kHz ~ 30MHz	3.44

B. Radiated emissions test :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
CB18 (3m)	CISPR	30 MHz ~ 200 MHz	V	3.94
		30 MHz ~ 200 MHz	H	3.74
		200 MHz ~ 1,000 MHz	V	4.10
		200 MHz ~ 1,000 MHz	H	3.98

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
CB18 (3m)	CISPR	1 GHz ~ 6 GHz	V	4.62
		1 GHz ~ 6 GHz	H	4.62
		6 GHz ~ 18 GHz	V	4.24
		6 GHz ~ 18 GHz	H	4.06
		18 GHz ~ 26 GHz	-	3.69
		26 GHz ~ 40 GHz	-	4.23

C. Conducted test :

Test Item	U,(dB)
Output Power	0.3669

NOTE:

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	20 °C, 45 %	AC 120V	Cora Lin
Radiated emissions below 1 GHz	Refer to data	AC 120V	Jerry Chuang
Radiated emissions above 1 GHz	Refer to data	AC 120V	Jerry Chuang
Output Power	21.1 °C, 69 %	AC 120V	Cora Lin

Test Software	DRTU.03544.22.200.0			
UNII-1				
Mode	5180 MHz	5200 MHz	5240 MHz	Data Rate
IEEE 802.11a	18.25 / 17.875	18.125 / 17.75	18.25 / 18	6Mbps
IEEE 802.11n (HT20)	18.25 / 17.875	18.125 / 17.875	18.375 / 18.125	HT0
IEEE 802.11ax (HE20)	17.875 / 17.75	17.875 / 17.625	18 / 17.875	MCS 0
Mode	5190 MHz	5230 MHz		Data Rate
IEEE 802.11n (HT40)	15.625 / 15.25	17.5 / 17.25		HT0
IEEE 802.11ax (HE40)	15.75	18.375 / 18.25		MCS 0
Mode	5210 MHz			Data Rate
IEEE 802.11ac (VHT80)	14.5			HT0
IEEE 802.11ax (HE80)	15			MCS 0
Mode	5250 MHz			Data Rate
IEEE 802.11ac (VHT160)	12.75			VHT0
IEEE 802.11ax (HE160)	12.75			MCS 0

Test Software	DRTU.03544.22.200.0			
UNII-2A				
Mode	5260 MHz	5280 MHz	5320 MHz	Data Rate
IEEE 802.11a	19.375 / 19.125	19.25 / 18.875	18.75 / 18.25	6Mbps
IEEE 802.11n (HT20)	19.25 / 19	19.125 / 18.875	18.75 / 18.125	HT0
IEEE 802.11ax (HE20)	19.125 / 19	18.875 / 18.625	18.375 / 18	MCS 0
Mode	5270 MHz	5310 MHz		Data Rate
IEEE 802.11n (HT40)	20.625 / 20.375	16 / 15.5		HT0
IEEE 802.11ax (HE40)	21	16		MCS 0
Mode	5290 MHz			Data Rate
IEEE 802.11ac (VHT80)	16.375 / 16			VHT0
IEEE 802.11ax (HE80)	15			MCS 0

Test Software	DRTU.03544.22.200.0				
UNII-2C					
Mode	5500 MHz	5600 MHz	5700 MHz	5720 MHz	Data Rate
IEEE 802.11a	19 / 18.875	18.875	15.125	21.25 / 21	6Mbps
IEEE 802.11n (HT20)	19 / 18.875	18.875	18.75 / 18.5	21.375 / 21	HT0
IEEE 802.11ax (HE20)	18.875 / 18.75	18.625 / 18.875	17.5	21.5 / 21.25	MCS 0
Mode	5510 MHz	5550 MHz	5670 MHz	5710 MHz	Data Rate
IEEE 802.11n (HT40)	17.875	20.375	17.5	18.25 / 18.125	HT0
IEEE 802.11ax (HE40)	17	21.125	19.5 / 19.375	18.625	MCS 0
Mode	5530 MHz	5610 MHz	5690 MHz		Data Rate
IEEE 802.11ac (VHT80)	15.75	18.5	21.375 / 21.125		VHT0
IEEE 802.11ax (HE80)	15	17	21.625 / 21.5		MCS 0

Test Software	DRTU.03544.22.200.0			
UNII-3				
Mode	5745 MHz	5785 MHz	5825 MHz	Data Rate
IEEE 802.11a	21.375 / 20.875	21.25 / 21	21.125 / 20.75	6Mbps
IEEE 802.11n (HT20)	21.375 / 20.875	21.25 / 21	21.125 / 20.75	HT0
IEEE 802.11ax (HE20)	21.5 / 21	21.5 / 21.125	21.375 / 20.875	MCS 0
Mode	5755 MHz	5795 MHz		Data Rate
IEEE 802.11n (HT40)	20.125 / 19.875	20.625 / 20.25		HT0
IEEE 802.11ax (HE40)	20.75 / 20.375	21.25 / 20.875		MCS 0
Mode	5775 MHz			Data Rate
IEEE 802.11ac (VHT80)	19			VHT0
IEEE 802.11ax (HE80)	19			MCS 0
Mode	5570 MHz			Data Rate
IEEE 802.11ac (VHT160)	12.75			VHT0
IEEE 802.11ax (HE160)	12.75			MCS 0

2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Intel® Wi-Fi 6E AX211
Model Name	AX211ND2W
Brand Name	Intel
Model Difference	N/A
Power Supply Rating	DC 3.3V from host equipment
Platform information	
Equipment	Tablet
Model Name	INARI-D-10-WIG-1
Brand Name	AAVA
Model Difference	N/A
Power Source	1# DC voltage supplied from AC adapter. (support unit). 2# Battery supplied.
Power Rating	1# I/P: 100-240V~50/60Hz O/P:12V  2A 2# DC 7.7V/4830mAh
Products Covered	1* Battery: AMME4974
WIFI+BT Module	Intel® Wi-Fi 6E AX211 / AX211NGW
Operation Band	UNII-1: 5150 MHz ~ 5250 MHz UNII-2A: 5250 MHz ~ 5350 MHz UNII-2C: 5470 MHz ~ 5725 MHz UNII-3: 5725 MHz ~ 5850 MHz
Maximum Output Power for UNII-1	IEEE 802.11a: 19.95 dBm (0.0989 W) IEEE 802.11n (HT20): 19.98 dBm (0.0995 W) IEEE 802.11n (HT40): 19.93 dBm (0.0984 W) IEEE 802.11ac (VHT80): 16.79 dBm (0.0478 W) IEEE 802.11ac (VHT160): 14.65 dBm (0.0292 W) IEEE 802.11ax (HE20): 19.97 dBm (0.0993 W) IEEE 802.11ax (HE40): 19.97 dBm (0.0993 W) IEEE 802.11ax (HE80): 17.13 dBm (0.0516 W) IEEE 802.11ax (HE160): 14.42 dBm (0.0277 W)
Maximum Output Power for UNII-2A	IEEE 802.11a: 20.96 dBm (0.1247 W) IEEE 802.11n (HT20): 20.94 dBm (0.1242 W) IEEE 802.11n (HT40): 22.96 dBm (0.1977 W) IEEE 802.11ac (VHT80): 20.30 dBm (0.1072 W) IEEE 802.11ax (HE20): 20.98 dBm (0.1253 W) IEEE 802.11ax (HE40): 22.67 dBm (0.1849 W) IEEE 802.11ax (HE80): 17.01 dBm (0.0502 W)
Maximum Output Power for UNII-2C	IEEE 802.11a: 20.93 dBm (0.1239 W) IEEE 802.11n (HT20): 20.90 dBm (0.1230 W) IEEE 802.11n (HT40): 22.95 dBm (0.1972 W) IEEE 802.11ac (VHT80): 20.3 dBm (0.1072 W) IEEE 802.11ac (VHT160): 14.53 dBm (0.0284 W) IEEE 802.11ax (HE20): 20.95 dBm (0.1245 W) IEEE 802.11ax (HE40): 22.94 dBm (0.1968 W) IEEE 802.11ax (HE80): 18.75 dBm (0.075 W) IEEE 802.11ax (HE160): 14.30 dBm (0.0269 W)
Maximum Output Power for UNII-3	IEEE 802.11a: 22.97dBm (0.1982 W) IEEE 802.11n (HT20): 22.96 dBm (0.1977 W) IEEE 802.11n (HT40): 22.93 dBm (0.1963 W) IEEE 802.11ac (VHT80): 20.71 dBm (0.1178 W) IEEE 802.11ax (HE20): 22.97 dBm (0.1982 W) IEEE 802.11ax (HE40): 22.94 dBm (0.1968 W) IEEE 802.11ax (HE80): 20.71 dBm (0.1178 W)

Maximum Output Power for Straddle Channel	IEEE 802.11a: 22.93 dBm (0.1963 W) IEEE 802.11n (HT20): 22.98 dBm (0.1986 W) IEEE 802.11n (HT40): 20.47 dBm (0.1114 W) IEEE 802.11ac (VHT80): 22.94 dBm (0.1968 W) IEEE 802.11ax (HE20): 22.95 dBm (0.1972 W) IEEE 802.11ax (HE40): 20.47 dBm (0.1114 W) IEEE 802.11ax (HE80): 22.98 dBm (0.1986 W)
Operating Software	Windows
Test Model	INARI-D-10-WIG-1
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:

UNII-1					
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)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

UNII-2A					
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)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

UNII-2C					
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)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590	138	5690
112	5560	126	5630		
116	5580	134	5670		
120	5600	142	5710		
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				
144	5720				

UNII-3					
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)	
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				

IEEE 802.11ac (VHT160) IEEE 802.11ax (HE160)	
Channel	Frequency (MHz)
50	5250
114	5570

(3) Table for Filed Antenna:
BT&BLE:

Antenna	Brand	Part Number	Type	Connector	Frequency Range (MHz)	Gain (dBi)
2	Pulse	W3006	Chip	N/A	2400-2500	-0.6

WIFI:

Antenna	Brand	Part Number	Type	Connector	Frequency Range (MHz)	Gain (dBi)
1	Pulse	W3006	Chip	N/A	2400-2500	1.2
					5150-5850	3.0
					5925-7125	3.0
2	Pulse	W3006	Chip	N/A	2400-2500	-0.6
					5150-5850	3.0
					5925-7125	2.8

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$. For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=3.
- 2) The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2.2 TEST MODES

Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal/Idle	-	-
Transmitter Radiated Emissions (below 1GHz)	IEEE 802.11a	149	-
Transmitter Radiated Emissions (above 1GHz)	IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ax (HE20)	36/48 52/64 100/140 149/165	Bandedge
	IEEE 802.11n (HT40) IEEE 802.11ax (HE40)	38/46 54/62 102/134 151/159	
	IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80)	42 58 106/122 155	
	IEEE 802.11ac (VHT160) IEEE 802.11ax (HE160)	50 114	
	IEEE 802.11a	36/40/48 52/60/64 100/116/140/144 149/157/165	Harmonic
	IEEE 802.11n (HT20) IEEE 802.11ax (HE20)	36/40/48 52/60/64 100/120/140/144 149/157/165	
	IEEE 802.11n (HT40) IEEE 802.11ax (HE40)	38/46 54/62 102/110/134/142 151/159	
	IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80)	42 58 106/122/138 155	
	IEEE 802.11ac (VHT160) IEEE 802.11ax (HE160)	50 114	
	IEEE 802.11a	36/40/48 52/60/64 100/120/140 149/157/165	-
	IEEE 802.11n (HT20) IEEE 802.11ax (HE20)	36/40/48 52/60/64 100/116/140/144 149/157/165	
	IEEE 802.11n (HT40) IEEE 802.11ax (HE40)	38/46 54/62 102/110/134/142 151/159	
	IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80)	42 58 106/122/138 155	
	IEEE 802.11ac (VHT160) IEEE 802.11ax (HE160)	50 114	
Output Power	IEEE 802.11a	36/40/48 52/60/64 100/120/140 149/157/165	-
	IEEE 802.11n (HT20) IEEE 802.11ax (HE20)	36/40/48 52/60/64 100/116/140/144 149/157/165	-
	IEEE 802.11n (HT40) IEEE 802.11ax (HE40)	38/46 54/62 102/110/134/142 151/159	-
	IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80)	42 58 106/122/138 155	-
	IEEE 802.11ac (VHT160) IEEE 802.11ax (HE160)	50 114	-

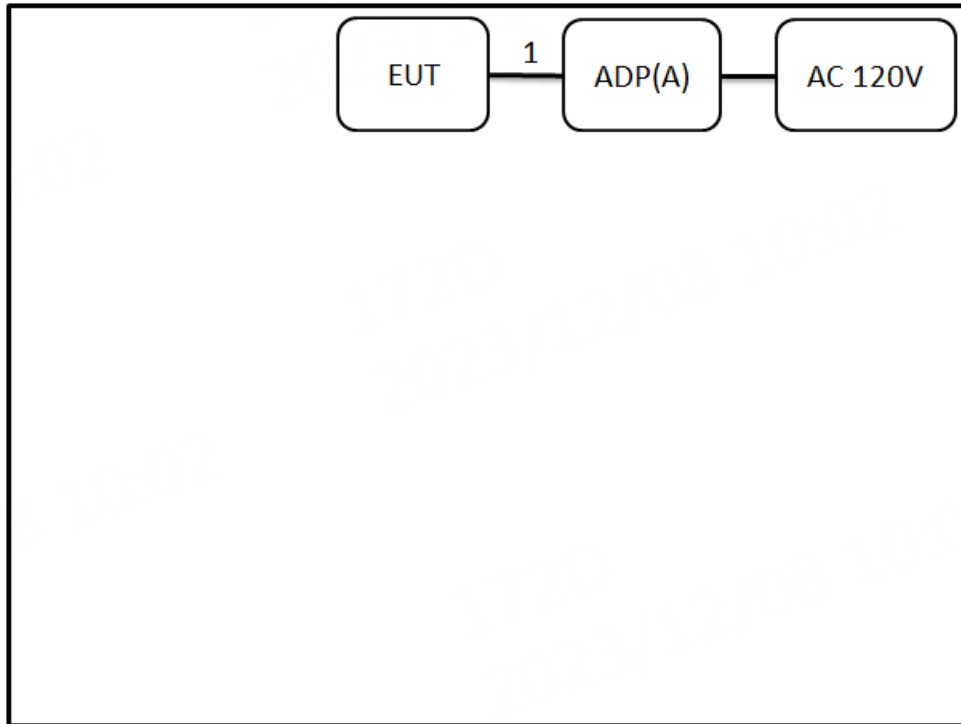
NOTE:

- (1) The Radiated emissions test was verified based on the worst conducted power and Bandwidth test results reported in the original report.
- (2) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Horizontal) is recorded.
- (3) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.
- (4) HT20/HT40 covers VHT20/VHT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.

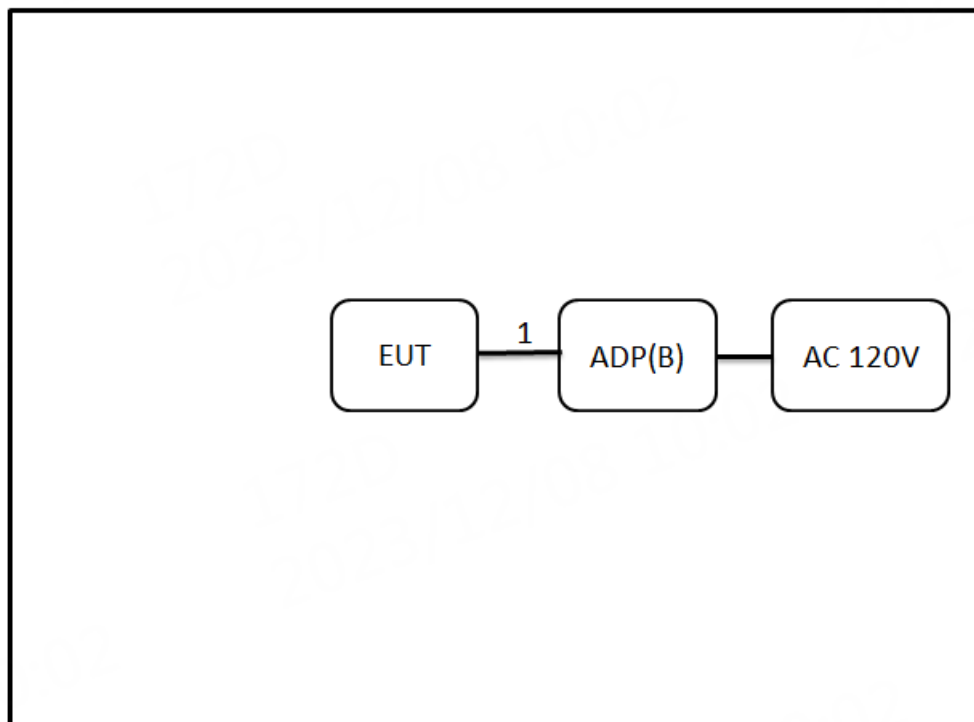
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

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

AC Power Line Conducted Emissions Test



Radiated Emissions Test



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	ADP	SAMSUNG	EP - TA800	N/A	Furnished by test lab.
B	ADP	PHIHONG	AO18A-59CFA	N/A	Supplied by test requester.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	0.6m	USB-C to USB-C	Furnished by test lab.

3 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

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

NOTE:

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

Reading Level		Correct Factor		Measurement Value
38.22	+	3.45	=	41.67

Measurement Value		Limit Value		Margin Level
41.67	-	60	=	-18.33

The following table is the setting of the receiver.

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

3.2 TEST PROCEDURE

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

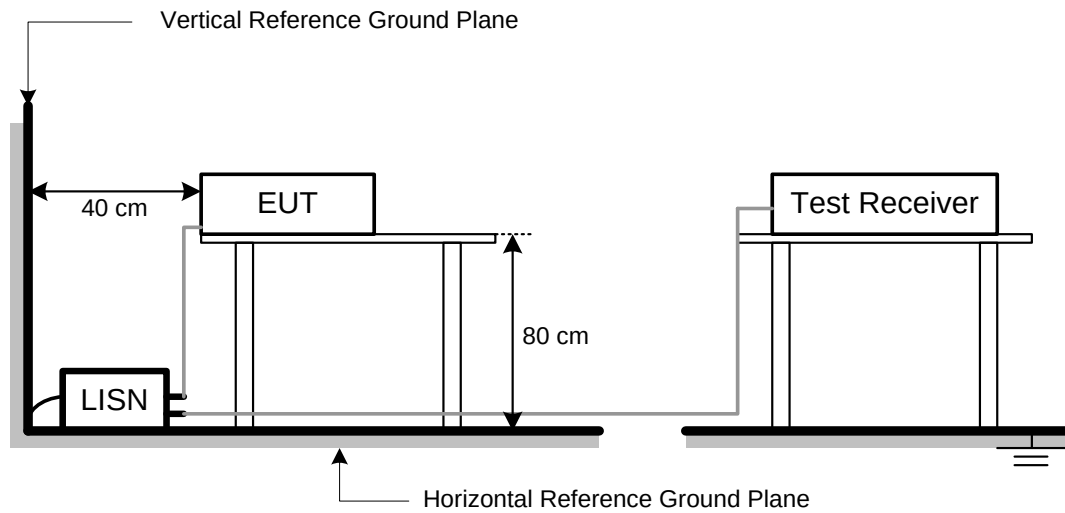
NOTE:

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

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 TEST RESULT

Please refer to the APPENDIX A.

4 RADIATED EMISSIONS TEST

4.1 LIMIT

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

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

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

NOTE:

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

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

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

- (3) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

Reading Level		Correct Factor		Measurement Value
19.11	+	2.11	=	21.22

Measurement Value		Limit Value		Margin Level
21.22	-	68.3	=	-47.08

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

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

4.2 TEST PROCEDURE

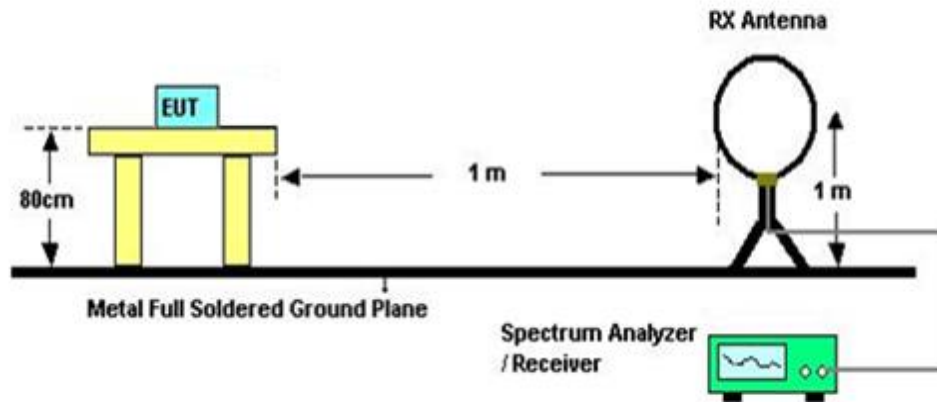
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

4.3 DEVIATION FROM TEST STANDARD

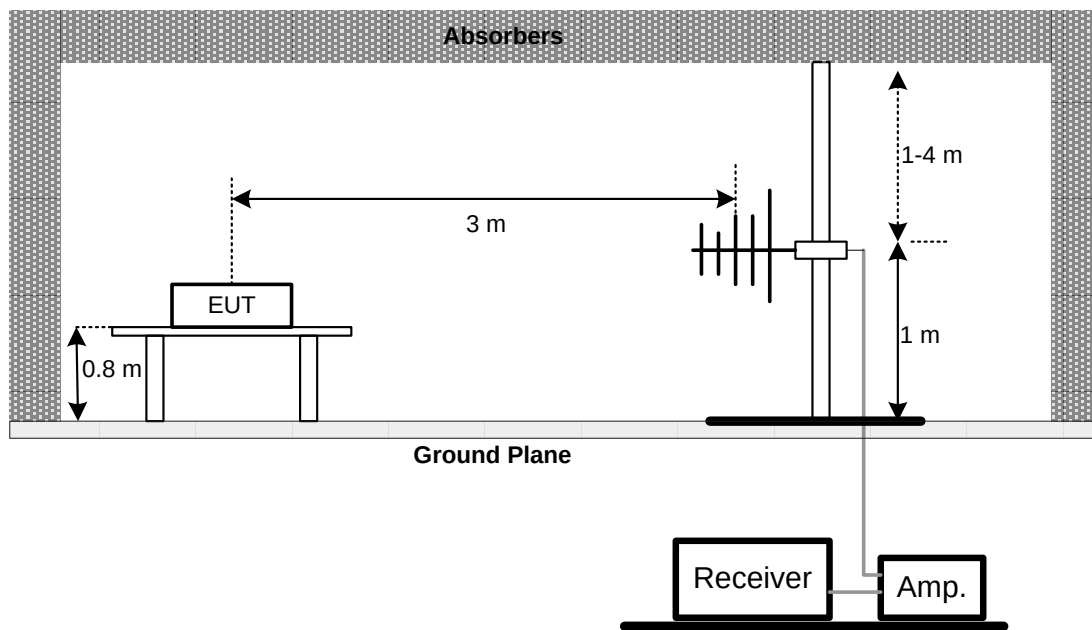
No deviation.

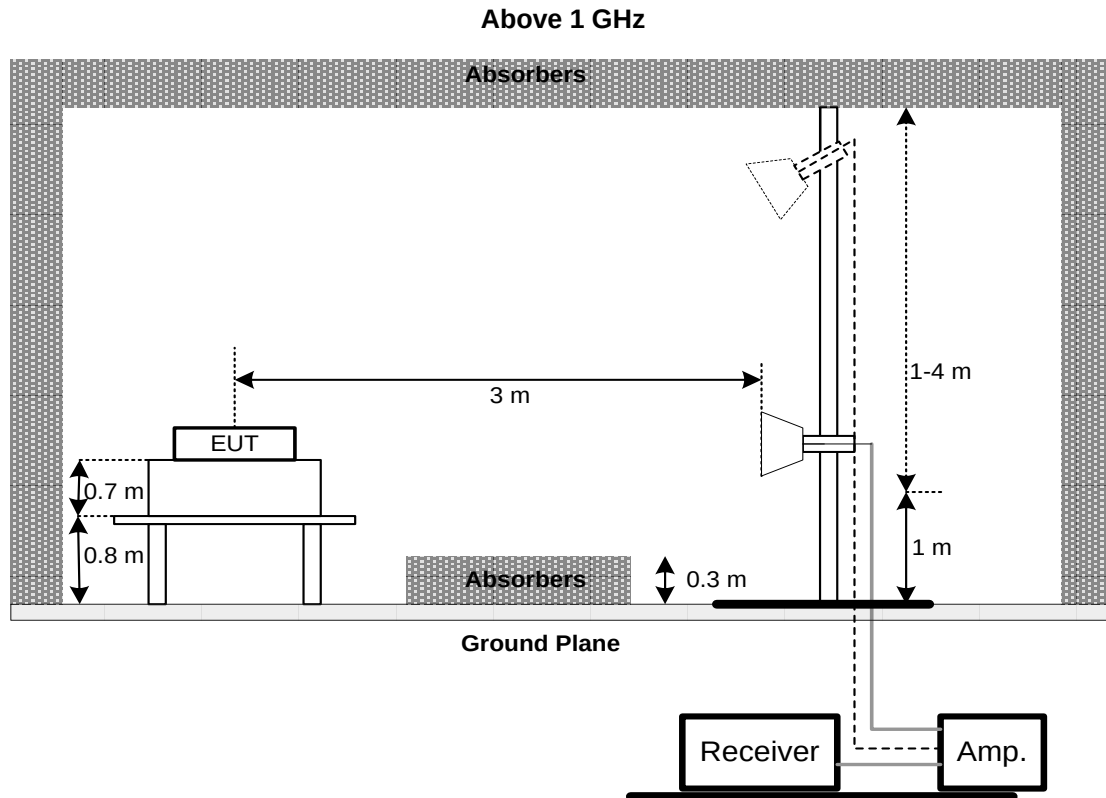
4.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz





4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

NOTE:

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

4.6 TEST RESULT – BELOW 30 MHZ

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

4.7 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX B.

4.8 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX C.

NOTE:

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

5 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 (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		1 Watt (30dBm)	5470-5725
			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).

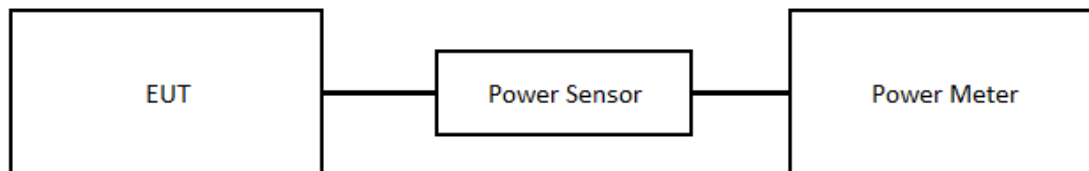
5.2 TEST PROCEDURE

- 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 D.

6 LIST OF MEASURING EQUIPMENTS

AC Power Line Conducted Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	TWO-LINE V-NETWORK	R&S	ENV216	101521	2023/9/13	2024/9/12
2	Test Cable	EMCI	EMCCFD300-BM-BMR-5000	220331	2023/3/30	2024/3/29
3	EMI Test Receiver	R&S	ESR 7	101433	2023/11/10	2024/11/9
4	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Log-Bicon Antenna	Schwarzbeck	VULB 9168	00983	2023/9/21	2024/9/20
2	Attenuator	INMET	6N-6dB	01	2023/9/21	2024/9/20
3	Pre-Amplifier	EMCI	EMC--1330	980377	2023/5/26	2024/5/25
4	Test Cable	EMCI	EMCCFD400-NM-NM-3500	170202	2023/5/26	2024/5/25
5	Test Cable	EMCI	EMC104-SM-SM-2500	170402	2023/5/26	2024/5/25
6	Test Cable	EMCI	EMCCFD400-NM-NM-8000	200344	2023/5/26	2024/5/25
7	Horn Antenna	Schwarzbeck	BBHA 9120 D	BBHA 9120 D 325	2023/6/15	2024/6/14
8	Pre-Amplifier	EMCI	EMC12630SE	980577	2023/9/20	2024/9/19
9	Test Cable	EMCI	EMC104-SM-SM-1500	210630	2023/9/20	2024/9/19
10	Test Cable	EMCI	EMC105-SM-SM-7000	210901	2023/9/20	2024/9/19
11	Test Cable	EMCI	EMC104-SM-SM-3000	170204	2023/9/20	2024/9/19
12	Spectrum Analyzer	Agilent	N9020A	MY51160196	2023/8/30	2024/8/29
13	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Output Power						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Peak Power Analyzer	Keysight	8990B	MY51000517	2023/3/15	2024/3/14
2	Power Sensor	Keysight	N1923A	MY58310005	2023/3/15	2024/3/14
3	Spectrum Analyzer	R&S	FSP 40	101139	2023/3/9	2024/3/8

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

7 EUT TEST PHOTO

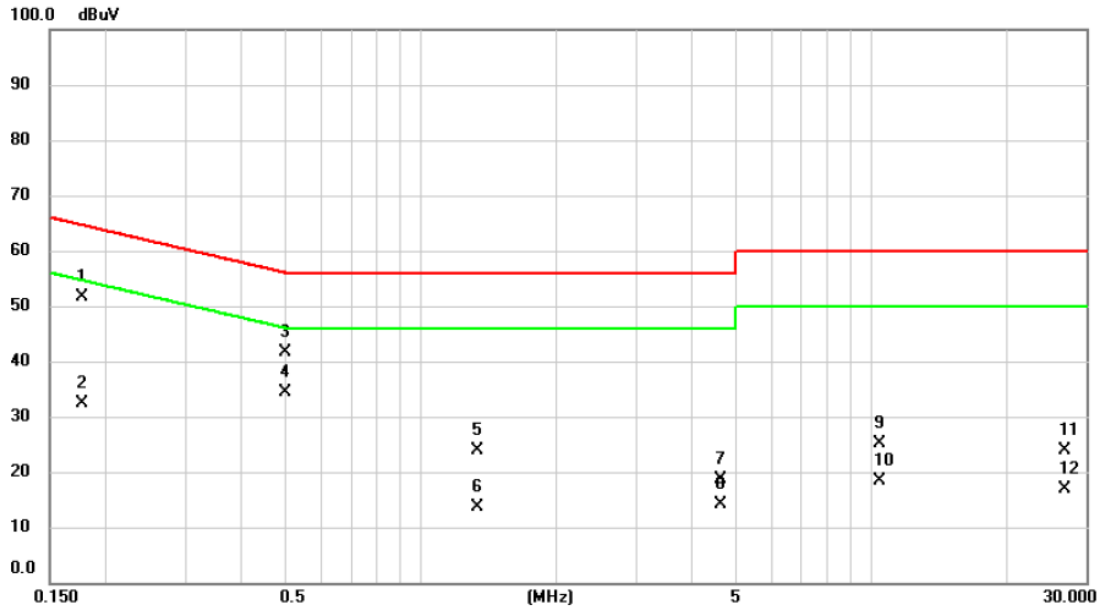
Please refer to document Appendix No.: TP-2310G005-2 (APPENDIX-TEST PHOTOS).

8 EUT PHOTOS

Please refer to document Appendix No.: EP-2310G005-1 (APPENDIX-EUT PHOTOS).

APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Tested Date	2023/11/17
Test Frequency	-	Phase	Line

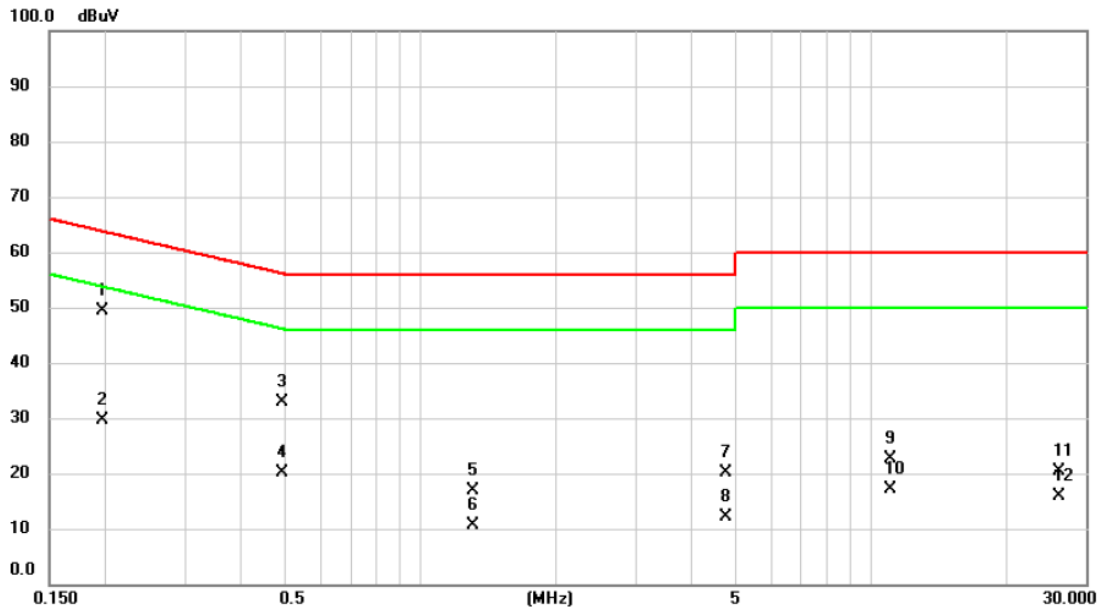


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1765	42.14	9.60	51.74	64.65	-12.91	QP	
2		0.1765	22.67	9.60	32.27	54.65	-22.38	AVG	
3		0.4985	32.10	9.58	41.68	56.02	-14.34	QP	
4	*	0.4985	24.78	9.58	34.36	46.02	-11.66	AVG	
5		1.3402	14.28	9.60	23.88	56.00	-32.12	QP	
6		1.3402	4.02	9.60	13.62	46.00	-32.38	AVG	
7		4.6468	9.03	9.64	18.67	56.00	-37.33	QP	
8		4.6468	4.45	9.64	14.09	46.00	-31.91	AVG	
9		10.3972	15.33	9.73	25.06	60.00	-34.94	QP	
10		10.3972	8.64	9.73	18.37	50.00	-31.63	AVG	
11		26.7937	14.19	9.68	23.87	60.00	-36.13	QP	
12		26.7937	7.27	9.68	16.95	50.00	-33.05	AVG	

REMARKS:

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

Test Mode	Normal	Tested Date	2023/11/17
Test Frequency	-	Phase	Neutral

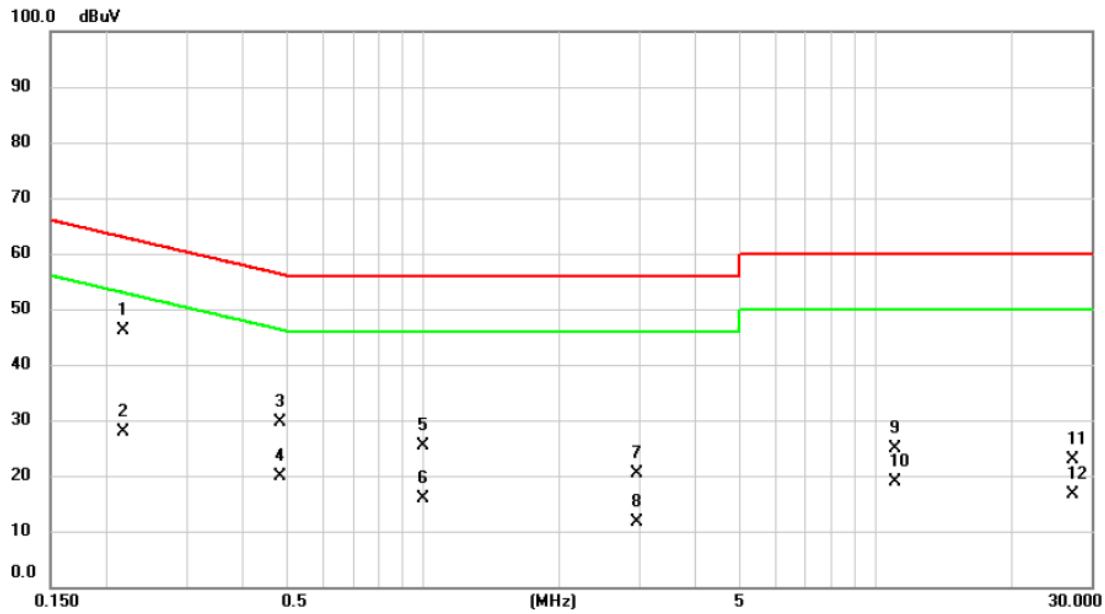


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1962	39.81	9.59	49.40	63.77	-14.37	QP	
2		0.1962	20.05	9.59	29.64	53.77	-24.13	AVG	
3		0.4915	23.24	9.57	32.81	56.14	-23.33	QP	
4		0.4915	10.48	9.57	20.05	46.14	-26.09	AVG	
5		1.3121	7.21	9.59	16.80	56.00	-39.20	QP	
6		1.3121	1.01	9.59	10.60	46.00	-35.40	AVG	
7		4.7800	10.44	9.64	20.08	56.00	-35.92	QP	
8		4.7800	2.51	9.64	12.15	46.00	-33.85	AVG	
9		11.0017	12.80	9.76	22.56	60.00	-37.44	QP	
10		11.0017	7.33	9.76	17.09	50.00	-32.91	AVG	
11		26.0472	10.46	9.87	20.33	60.00	-39.67	QP	
12		26.0472	6.06	9.87	15.93	50.00	-34.07	AVG	

REMARKS:

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

Test Mode	Idle	Tested Date	2023/11/17
Test Frequency	-	Phase	Line

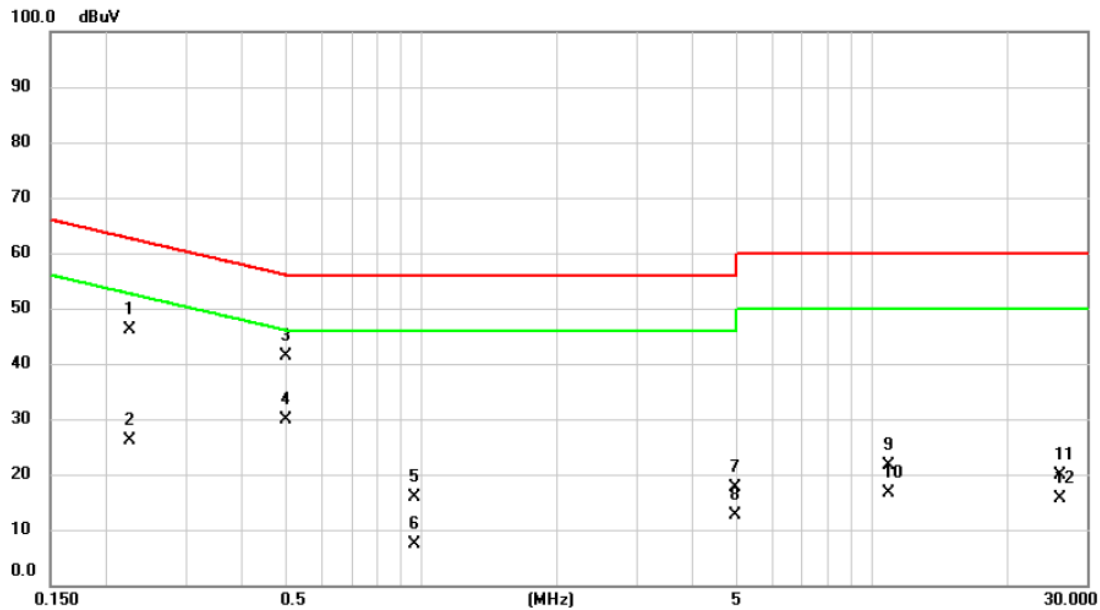


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.2181	36.53	9.60	46.13	62.89	-16.76	QP	
2		0.2181	18.39	9.60	27.99	52.89	-24.90	AVG	
3		0.4846	20.04	9.58	29.62	56.26	-26.64	QP	
4		0.4846	10.25	9.58	19.83	46.26	-26.43	AVG	
5		0.9962	15.81	9.58	25.39	56.00	-30.61	QP	
6		0.9962	6.36	9.58	15.94	46.00	-30.06	AVG	
7		2.9776	10.74	9.63	20.37	56.00	-35.63	QP	
8		2.9776	2.08	9.63	11.71	46.00	-34.29	AVG	
9		11.0017	15.12	9.73	24.85	60.00	-35.15	QP	
10		11.0017	9.14	9.73	18.87	50.00	-31.13	AVG	
11		27.3676	13.12	9.68	22.80	60.00	-37.20	QP	
12		27.3676	6.90	9.68	16.58	50.00	-33.42	AVG	

REMARKS:

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

Test Mode	Idle	Tested Date	2023/11/17
Test Frequency	-	Phase	Neutral



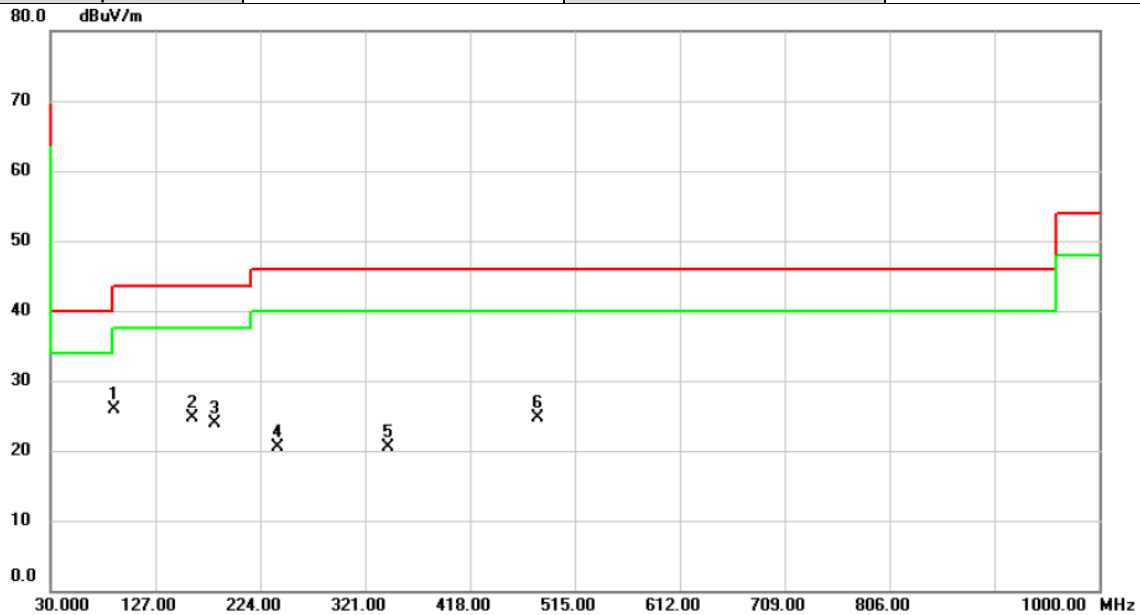
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2244	36.50	9.59	46.09	62.65	-16.56	QP	
2		0.2244	16.50	9.59	26.09	52.65	-26.56	AVG	
3	*	0.4985	31.89	9.57	41.46	56.02	-14.56	QP	
4		0.4985	20.28	9.57	29.85	46.02	-16.17	AVG	
5		0.9616	6.42	9.57	15.99	56.00	-40.01	QP	
6		0.9616	-2.31	9.57	7.26	46.00	-38.74	AVG	
7		4.9520	7.93	9.64	17.57	56.00	-38.43	QP	
8		4.9520	3.11	9.64	12.75	46.00	-33.25	AVG	
9		10.9242	11.84	9.76	21.60	60.00	-38.40	QP	
10		10.9242	6.87	9.76	16.63	50.00	-33.37	AVG	
11		26.0472	10.13	9.87	20.00	60.00	-40.00	QP	
12		26.0472	5.84	9.87	15.71	50.00	-34.29	AVG	

REMARKS:

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

APPENDIX B RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

Test Mode	IEEE 802.11a	Test Date	2023/11/22
Test Frequency	5745MHz	Polarization	Vertical
Temp	23°C	Hum.	60%

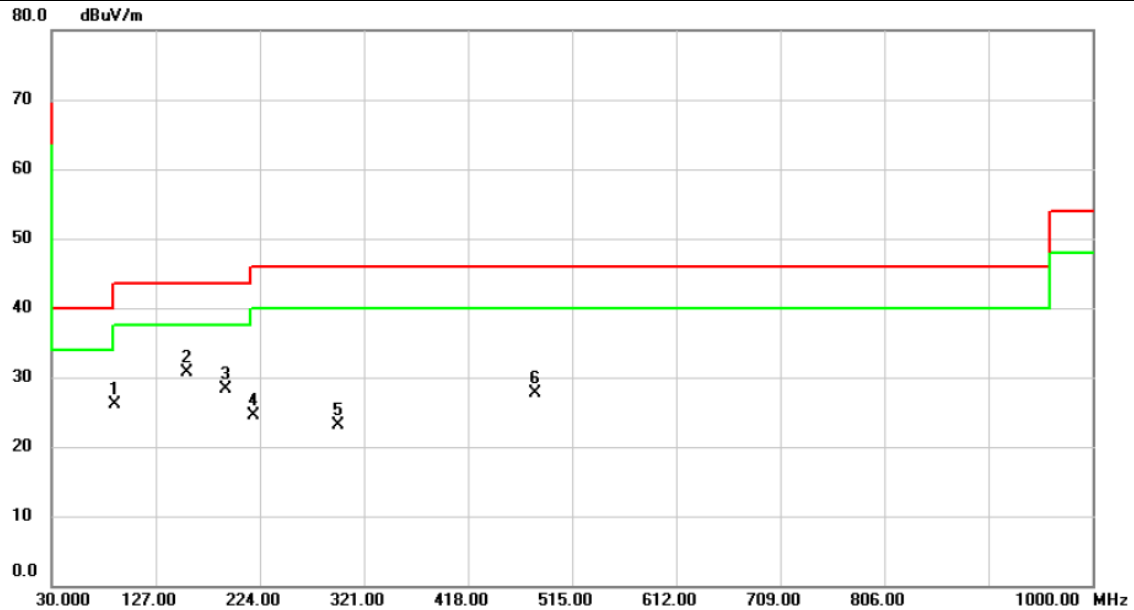


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	88.2000	42.66	-16.78	25.88	43.50	-17.62	peak	100	139
2		160.9500	35.70	-11.00	24.70	43.50	-18.80	peak	100	199
3		182.2900	36.60	-12.73	23.87	43.50	-19.63	peak	100	172
4		240.4900	32.84	-12.37	20.47	46.00	-25.53	peak	100	260
5		342.3400	30.17	-9.57	20.60	46.00	-25.40	peak	100	45
6		480.0800	30.24	-5.52	24.72	46.00	-21.28	peak	100	112

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2023/11/22
Test Frequency	5745MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



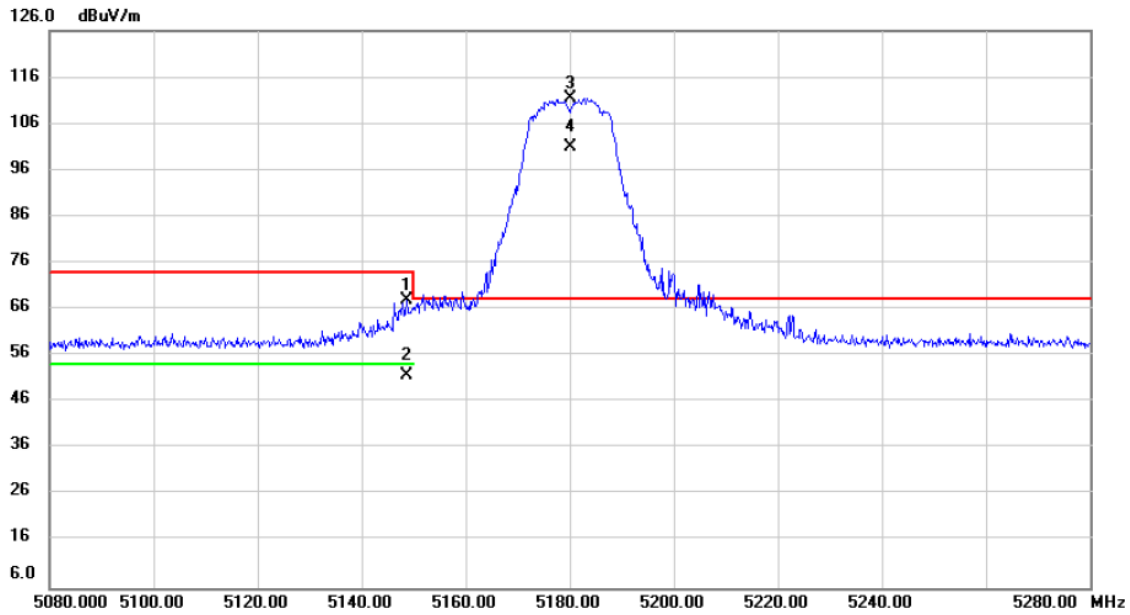
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		88.2000	42.98	-16.78	26.20	43.50	-17.30	peak		
2	*	156.1000	41.55	-10.92	30.63	43.50	-12.87	peak		
3		191.9900	41.93	-13.71	28.22	43.50	-15.28	peak		
4		218.1800	38.63	-14.08	24.55	46.00	-21.45	peak		
5		296.7500	33.45	-10.36	23.09	46.00	-22.91	peak		
6		480.0800	33.26	-5.52	27.74	46.00	-18.26	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	2023/11/15
Test Frequency	5180MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

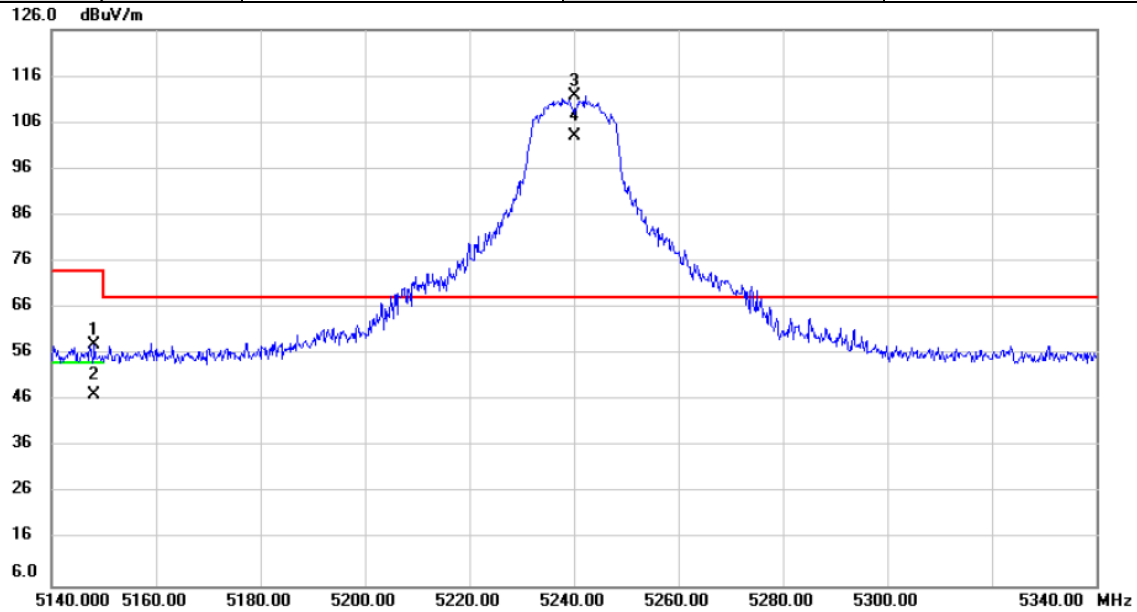


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5148.600	71.03	-3.15	67.88	74.00	-6.12	peak		
2		5148.600	54.87	-3.15	51.72	54.00	-2.28	AVG		
3	*	5180.000	114.56	-3.09	111.47	68.20	43.27	peak		No Limit
4	X	5180.000	104.19	-3.09	101.10	68.20	32.90	AVG		No Limit

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2023/11/15
Test Frequency	5240MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



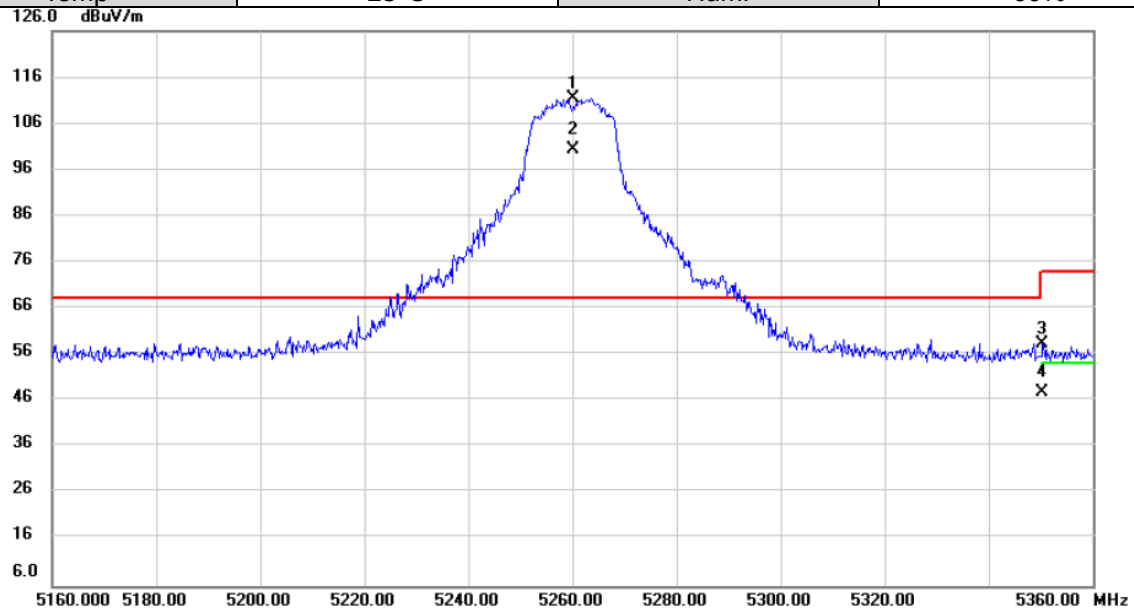
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5148.200	61.14	-3.15	57.99	74.00	-16.01	peak		
2		5148.200	50.54	-3.15	47.39	54.00	-6.61	AVG		
3	*	5240.000	114.62	-2.99	111.63	68.20	43.43	peak		No Limit
4	X	5240.000	106.19	-2.99	103.20	68.20	35.00	AVG		No Limit

REMARKS:

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

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

Test Mode	IEEE 802.11a	Test Date	2023/11/15
Test Frequency	5260MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



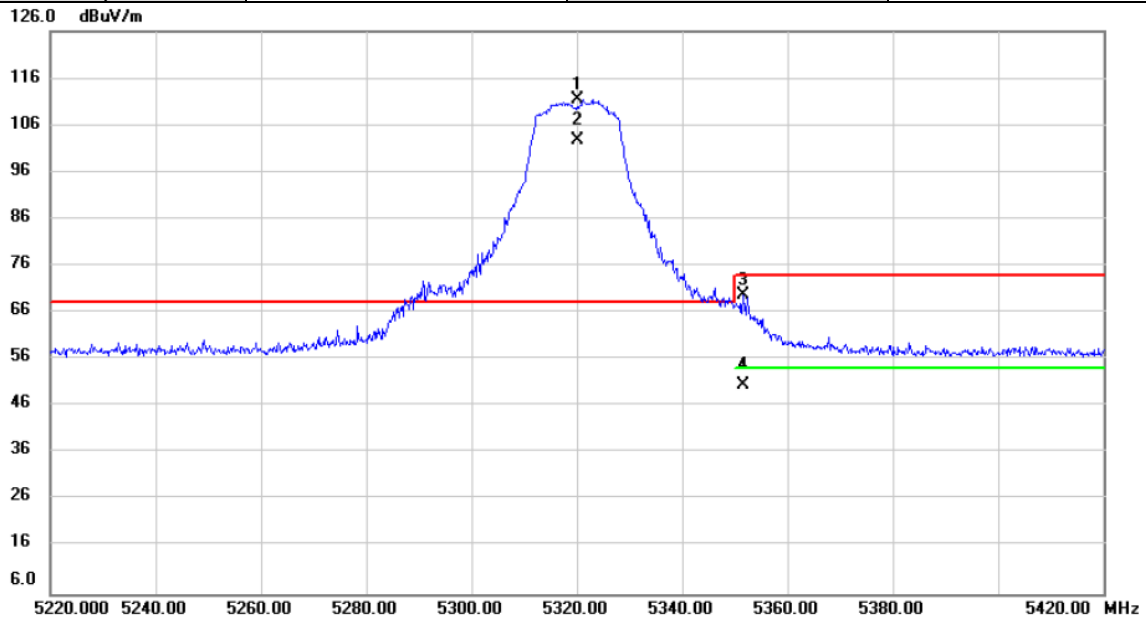
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	5260.000	114.35	-2.96	111.39	68.20	43.19	peak		No Limit
2	X	5260.000	103.20	-2.96	100.24	68.20	32.04	AVG	100	234
3		5350.400	61.23	-2.80	58.43	74.00	-15.57	peak		
4		5350.400	50.56	-2.80	47.76	54.00	-6.24	AVG		

REMARKS:

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

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

Test Mode	IEEE 802.11a	Test Date	2023/11/15
Test Frequency	5320MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

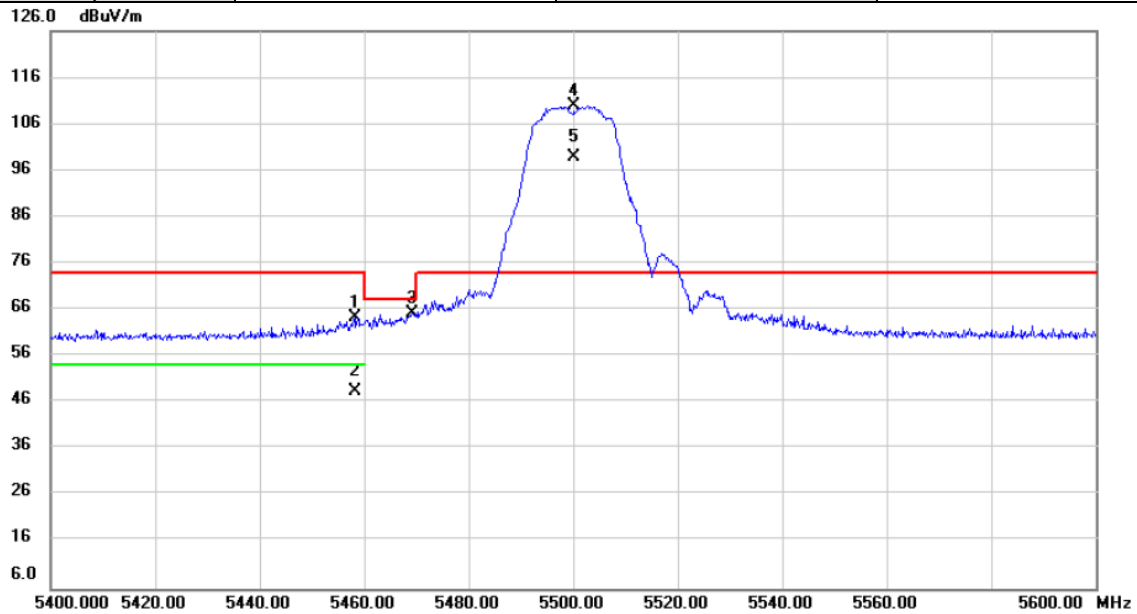


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	5320.000	114.22	-2.86	111.36	68.20	43.16	peak		No Limit
2	X	5320.000	105.68	-2.86	102.82	68.20	34.62	AVG		No Limit
3		5351.600	72.58	-2.80	69.78	74.00	-4.22	peak		
4		5351.600	53.36	-2.80	50.56	54.00	-3.44	AVG		

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2023/11/15
Test Frequency	5500MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

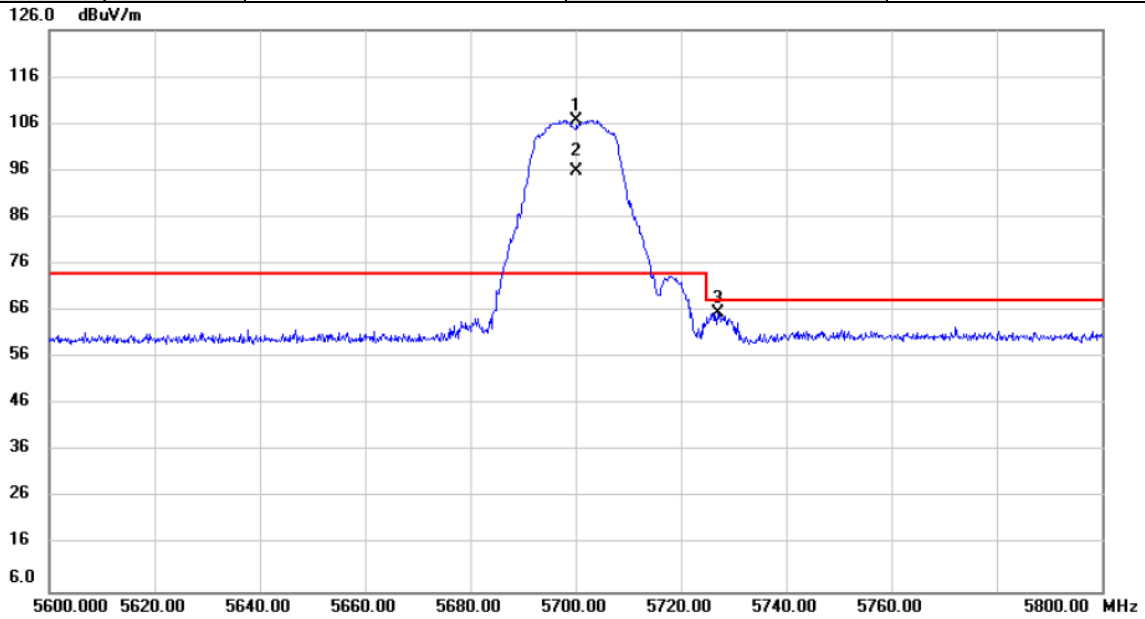


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5458.200	66.96	-2.61	64.35	74.00	-9.65	peak		
2		5458.200	51.14	-2.61	48.53	54.00	-5.47	AVG		
3		5469.200	67.87	-2.59	65.28	68.20	-2.92	peak		
4	*	5500.000	112.41	-2.54	109.87	74.00	35.87	peak		No Limit
5	X	5500.000	101.28	-2.54	98.74	74.00	24.74	AVG		No Limit

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2023/11/15
Test Frequency	5700MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



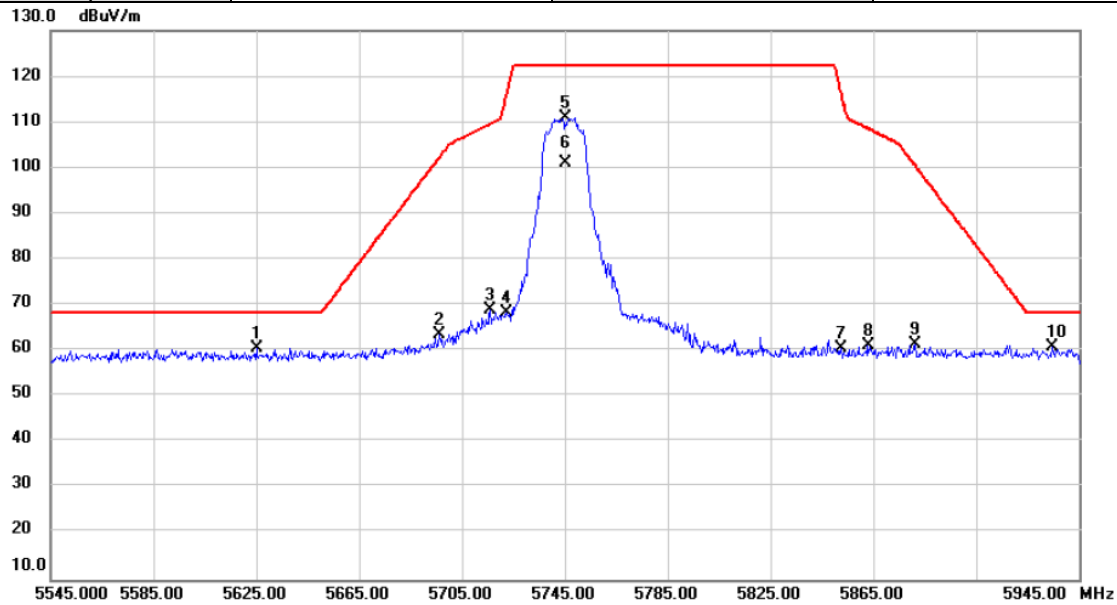
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	5700.000	108.91	-2.12	106.79	74.00	32.79	peak		No Limit
2	X	5700.000	97.92	-2.12	95.80	74.00	21.80	AVG		No Limit
3		5727.000	67.56	-2.06	65.50	68.20	-2.70	peak		

REMARKS:

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

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

Test Mode	IEEE 802.11a	Test Date	2023/11/16
Test Frequency	5745MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

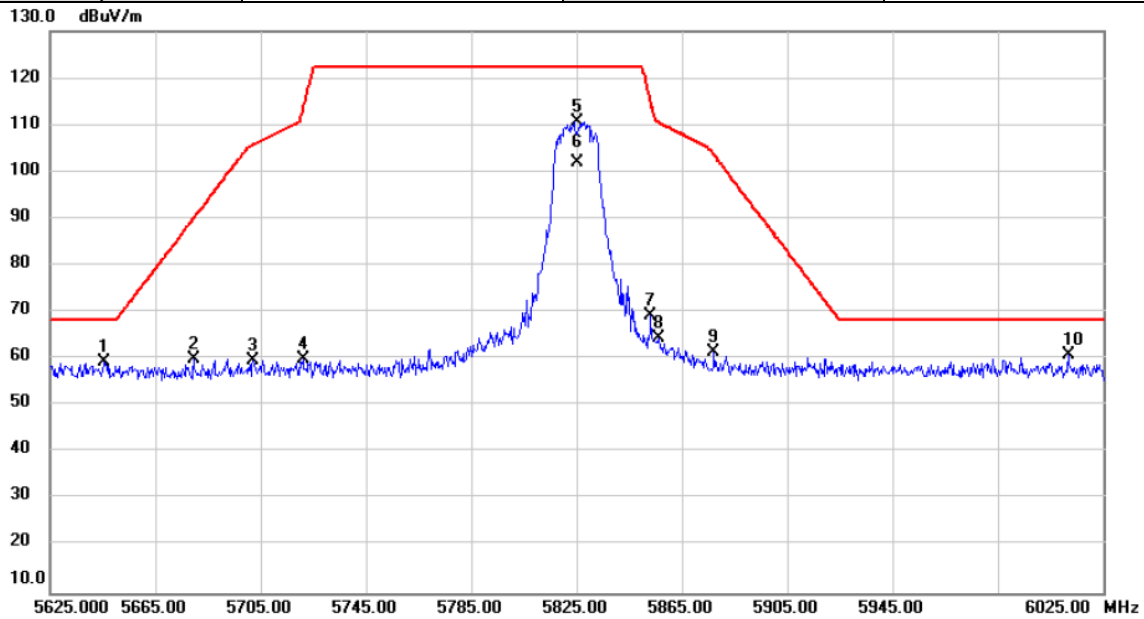


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5625.333	62.82	-2.27	60.55	68.20	-7.65	peak		
2		5695.973	65.56	-2.13	63.43	102.22	-38.79	peak		
3		5716.067	71.01	-2.09	68.92	109.70	-40.78	peak		
4		5722.333	70.47	-2.07	68.40	116.12	-47.72	peak		
5		5745.000	112.86	-2.03	110.83	122.20	-11.37	peak		No Limit
6		5745.000	103.06	-2.03	101.03	122.20	-21.17	AVG		No Limit
7		5852.427	62.49	-1.81	60.68	116.67	-55.99	peak		
8		5862.867	62.88	-1.77	61.11	108.60	-47.49	peak		
9		5881.000	63.18	-1.74	61.44	100.76	-39.32	peak		
10	*	5934.387	62.58	-1.62	60.96	68.20	-7.24	peak		

REMARKS:

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

Test Mode	IEEE 802.11a	Test Date	2023/11/16
Test Frequency	5825MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

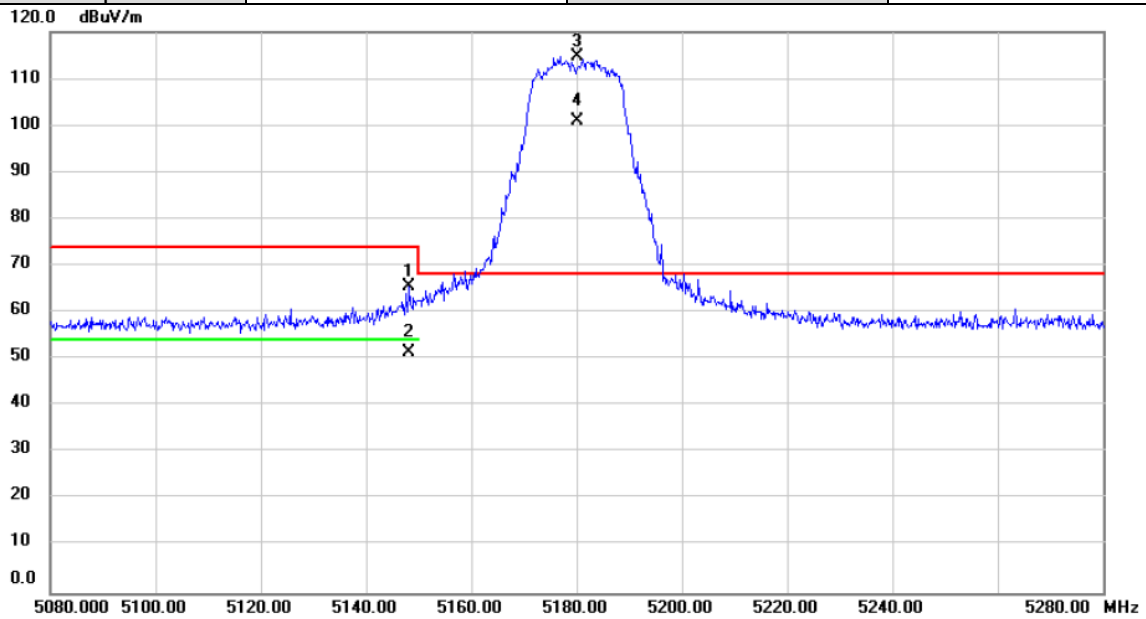


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	5645.507	61.44	-2.23	59.21	68.20	-8.99	peak		
2	5679.453	62.21	-2.17	60.04	90.00	-29.96	peak		
3	5702.200	61.87	-2.11	59.76	105.82	-46.06	peak		
4	5721.213	62.08	-2.07	60.01	113.57	-53.56	peak		
5	5825.000	112.65	-1.86	110.79	122.20	-11.41	peak		No Limit
6	5825.000	103.77	-1.86	101.91	122.20	-20.29	AVG		No Limit
7	5853.040	71.13	-1.81	69.32	115.27	-45.95	peak		
8	5856.013	66.15	-1.79	64.36	110.52	-46.16	peak		
9	5877.107	63.07	-1.74	61.33	103.64	-42.31	peak		
10 *	6012.147	62.28	-1.44	60.84	68.20	-7.36	peak		

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2023/11/16
Test Frequency	5180MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

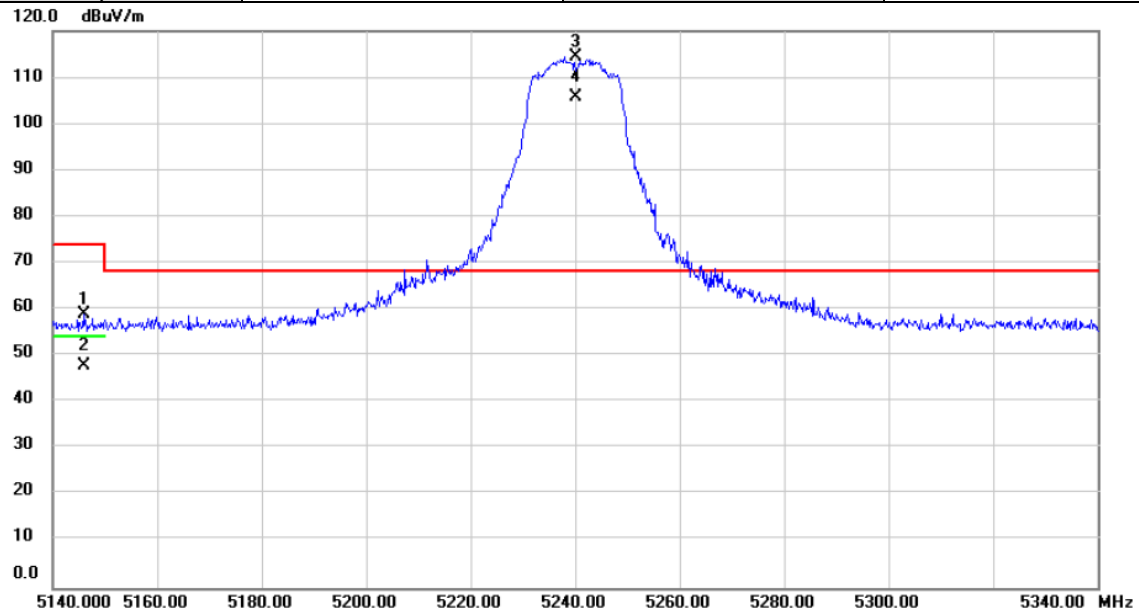


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5148.207	68.56	-3.15	65.41	74.00	-8.59	peak		
2		5148.207	54.67	-3.15	51.52	54.00	-2.48	AVG		
3	*	5180.000	117.78	-3.09	114.69	68.20	46.49	peak		No Limit
4	X	5180.000	104.10	-3.09	101.01	68.20	32.81	AVG	223	250

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2023/11/16
Test Frequency	5240MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



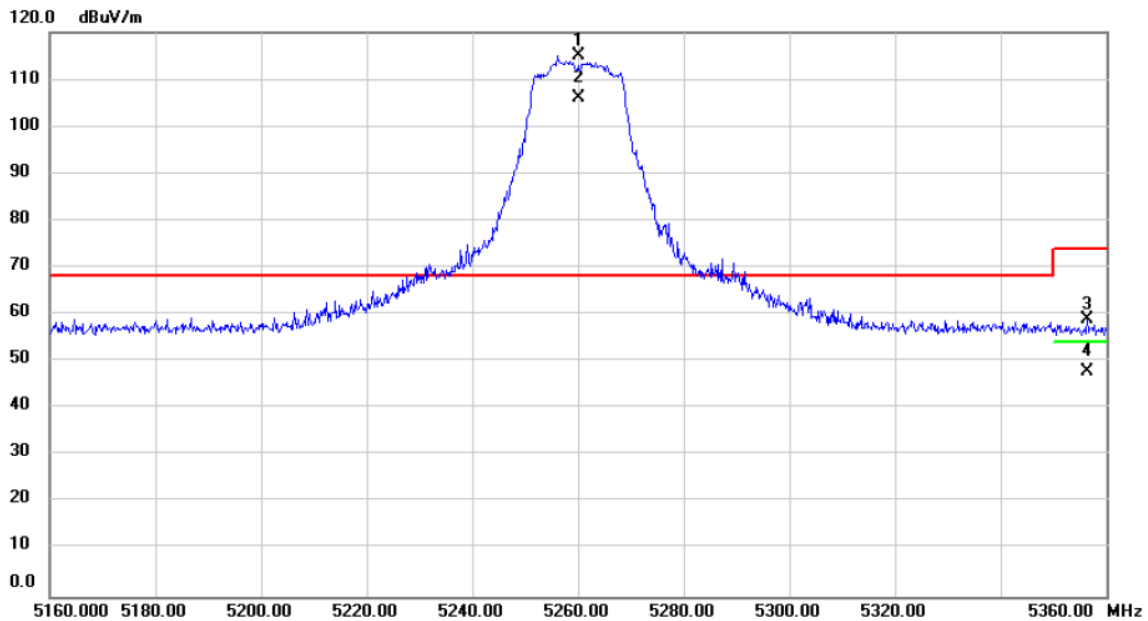
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5145.933	62.15	-3.15	59.00	74.00	-15.00	peak		
2		5145.933	51.05	-3.15	47.90	54.00	-6.10	AVG		
3	*	5240.000	117.31	-2.99	114.32	68.20	46.12	peak		No Limit
4	X	5240.000	108.83	-2.99	105.84	68.20	37.64	AVG		No Limit

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2023/11/16
Test Frequency	5260MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



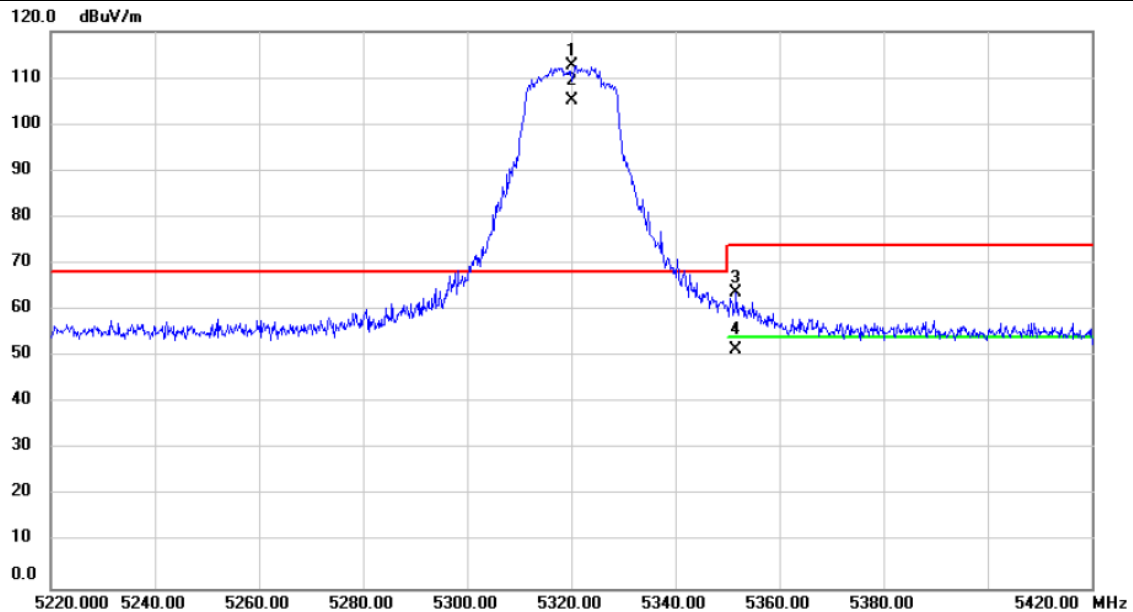
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	5260.000	118.02	-2.96	115.06	68.20	46.86	peak		No Limit
2	X	5260.000	109.04	-2.96	106.08	68.20	37.88	AVG		No Limit
3		5356.293	61.66	-2.78	58.88	74.00	-15.12	peak		
4		5356.293	50.63	-2.78	47.85	54.00	-6.15	AVG		

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2023/11/16
Test Frequency	5320MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

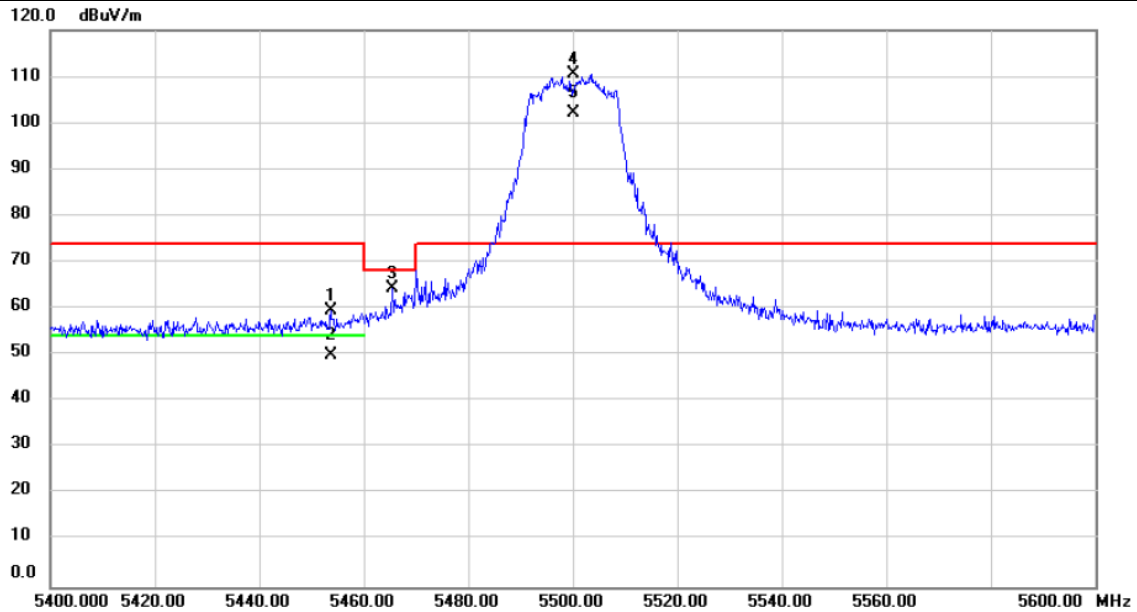


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	5320.000	115.41	-2.86	112.55	68.20	44.35	peak		
2	X	5320.000	108.15	-2.86	105.29	68.20	37.09	AVG		
3		5351.733	66.51	-2.80	63.71	74.00	-10.29	peak		
4		5351.733	54.13	-2.80	51.33	54.00	-2.67	AVG		

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2023/11/16
Test Frequency	5500MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

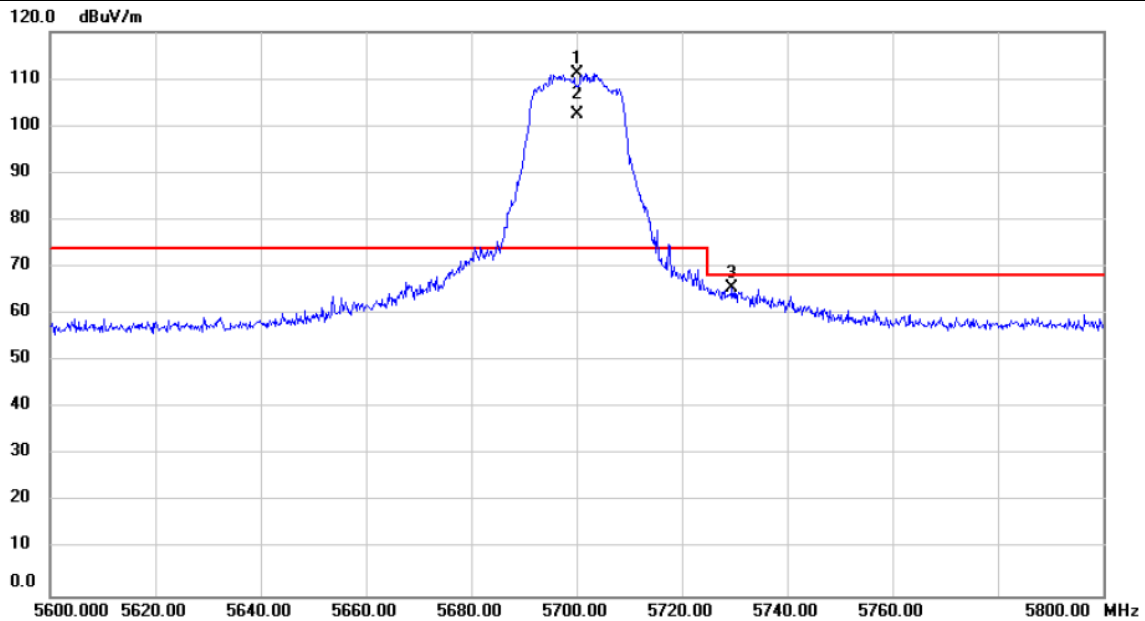


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5453.647	62.15	-2.63	59.52	74.00	-14.48	peak		
2		5453.647	52.52	-2.63	49.89	54.00	-4.11	AVG		
3		5465.540	67.00	-2.60	64.40	68.20	-3.80	peak		
4	*	5500.000	113.09	-2.54	110.55	74.00	36.55	peak		No Limit
5	X	5500.000	104.84	-2.54	102.30	74.00	28.30	AVG		No Limit

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2023/11/16
Test Frequency	5700MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

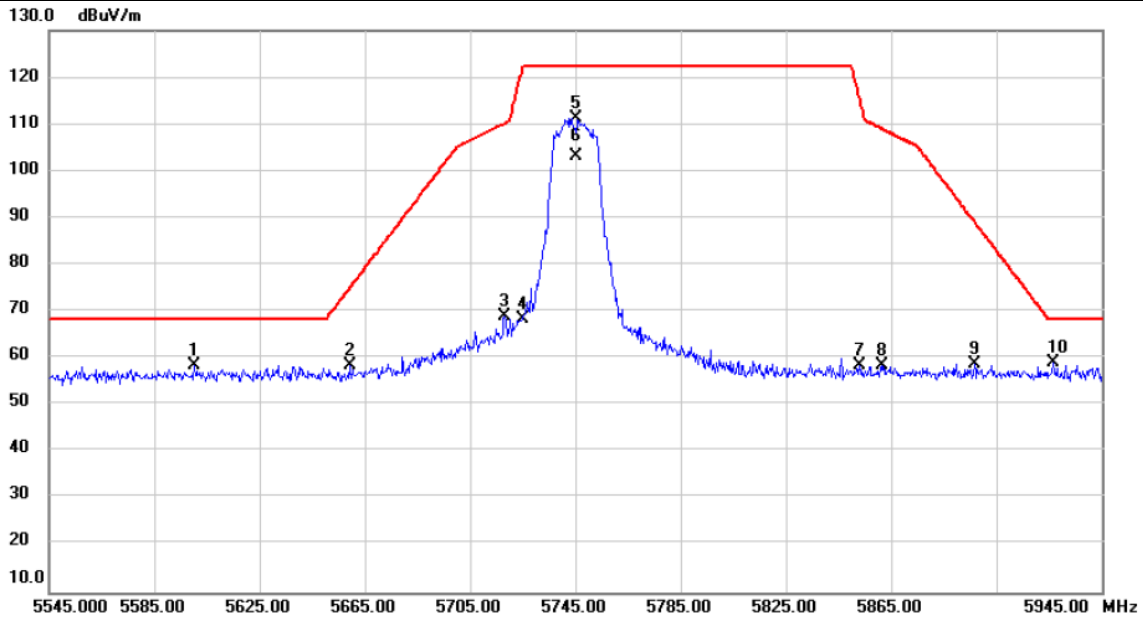


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1 *	5700.000	113.31	-2.12	111.19	74.00	37.19	peak		No Limit
2 X	5700.000	104.54	-2.12	102.42	74.00	28.42	AVG		No Limit
3	5729.467	67.48	-2.06	65.42	68.20	-2.78	peak		

REMARKS:

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2023/11/16
Test Frequency	5745MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



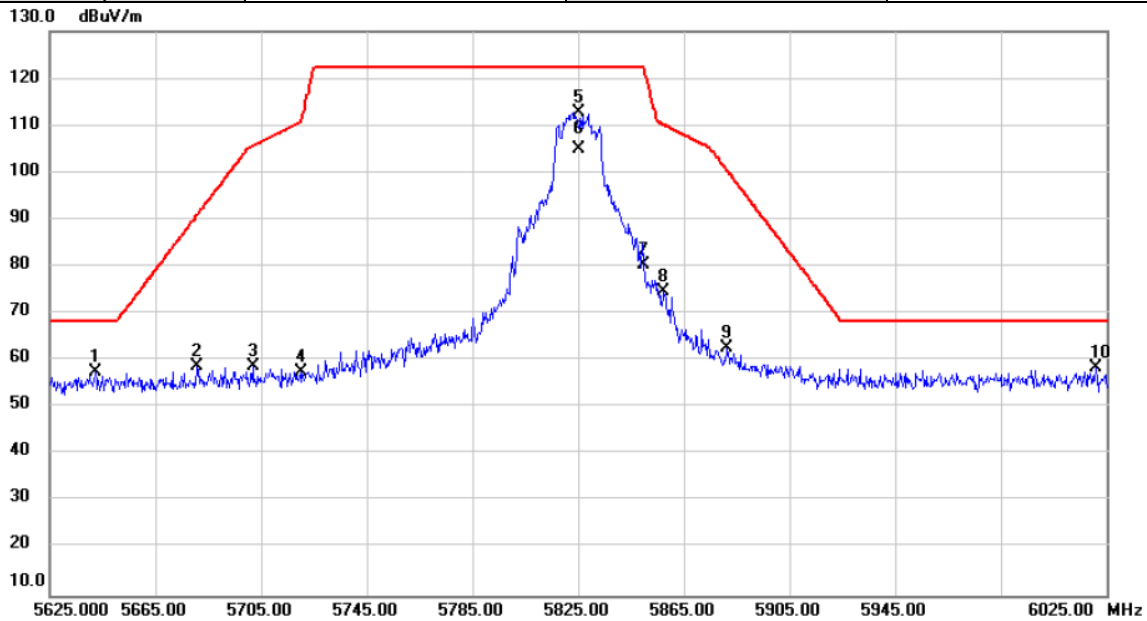
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5600.027	60.72	-2.33	58.39	68.20	-9.81	peak		
2		5659.307	60.73	-2.21	58.52	75.09	-16.57	peak		
3		5717.813	71.06	-2.09	68.97	110.19	-41.22	peak		
4		5724.787	70.52	-2.07	68.45	121.71	-53.26	peak		
5		5745.000	113.23	-2.03	111.20	122.20	-11.00	peak		No Limit
6		5745.000	105.07	-2.03	103.04	122.20	-19.16	AVG		No Limit
7		5852.800	60.12	-1.81	58.31	115.82	-57.51	peak		
8		5861.507	60.34	-1.77	58.57	108.98	-50.41	peak		
9		5896.600	60.54	-1.70	58.84	89.22	-30.38	peak		
10	*	5926.600	60.57	-1.64	58.93	68.20	-9.27	peak		

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT20)	Test Date	2023/11/16
Test Frequency	5825MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



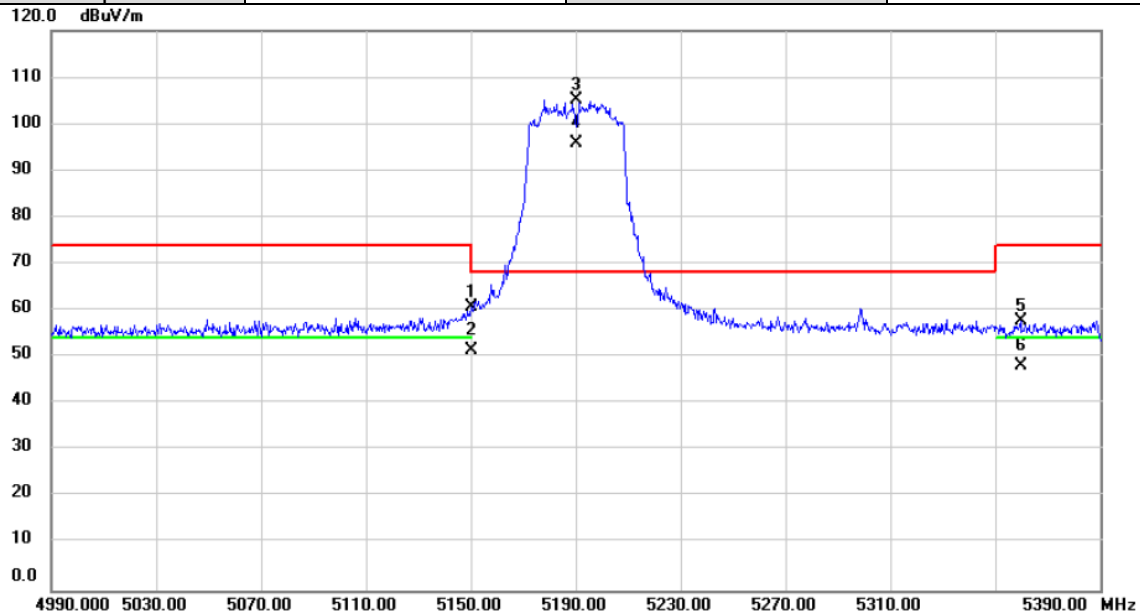
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5642.400	59.82	-2.24	57.58	68.20	-10.62	peak		
2		5680.960	61.06	-2.17	58.89	91.11	-32.22	peak		
3		5701.893	60.92	-2.12	58.80	105.73	-46.93	peak		
4		5719.987	59.58	-2.08	57.50	110.80	-53.30	peak		
5 *		5825.000	114.72	-1.86	112.86	122.20	-9.34	peak		No Limit
6		5825.000	106.89	-1.86	105.03	122.20	-17.17	AVG		No Limit
7		5849.933	82.12	-1.81	80.31	122.20	-41.89	peak		
8		5857.507	76.44	-1.79	74.65	110.10	-35.45	peak		
9		5881.440	64.52	-1.74	62.78	100.43	-37.65	peak		
10		6020.800	60.00	-1.41	58.59	68.20	-9.61	peak		

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2023/11/16
Test Frequency	5190MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



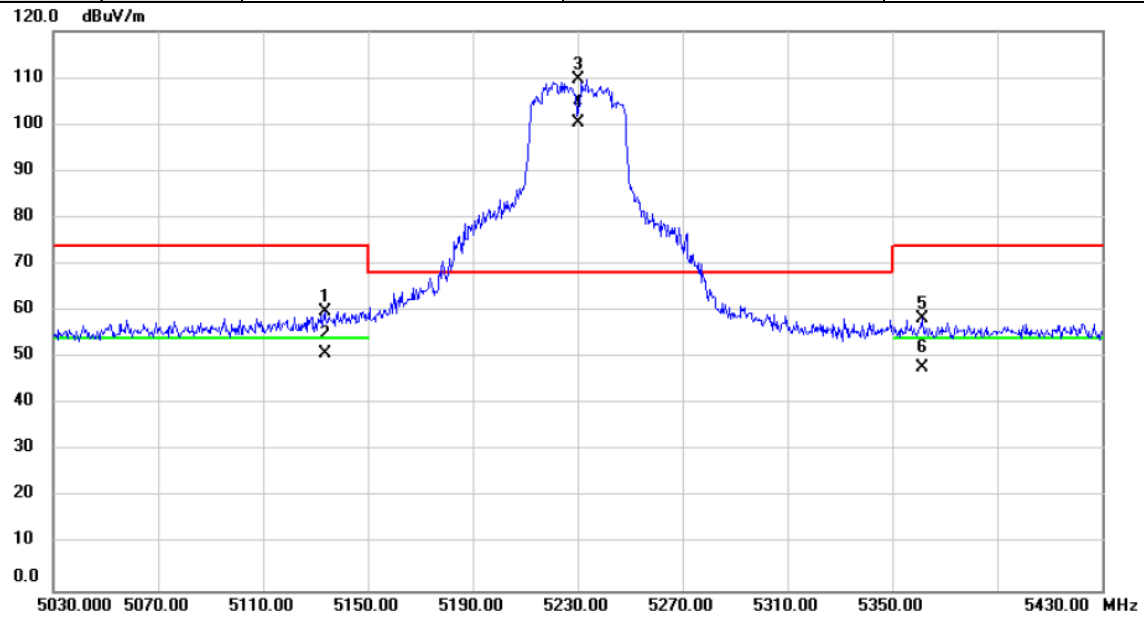
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5150.000	64.00	-3.15	60.85	68.20	-7.35	peak		
2		5150.000	54.66	-3.15	51.51	54.00	-2.49	AVG		
3	*	5190.000	108.28	-3.08	105.20	68.20	37.00	peak		No Limit
4	X	5190.000	98.97	-3.08	95.89	68.20	27.69	AVG		No Limit
5		5359.880	60.45	-2.78	57.67	74.00	-16.33	peak		
6		5359.880	50.92	-2.78	48.14	54.00	-5.86	AVG		

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2023/11/16
Test Frequency	5230MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



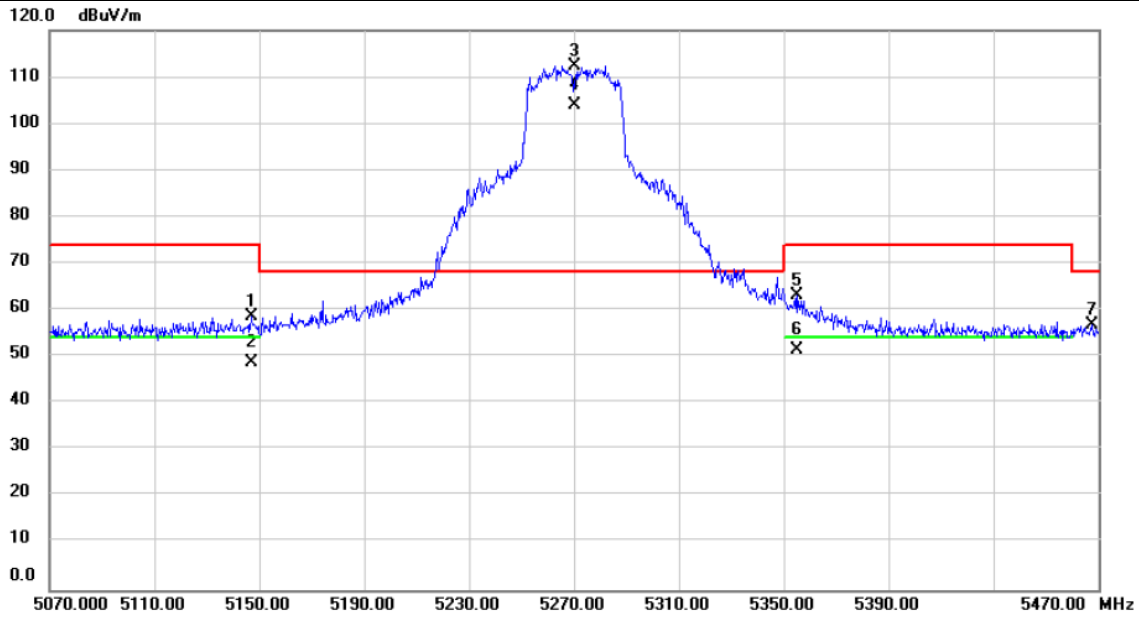
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5133.547	63.05	-3.18	59.87	74.00	-14.13	peak		
2		5133.547	54.09	-3.18	50.91	54.00	-3.09	AVG		
3	*	5230.000	112.66	-3.01	109.65	68.20	41.45	peak		No Limit
4	X	5230.000	103.26	-3.01	100.25	68.20	32.05	AVG		No Limit
5		5361.280	61.10	-2.79	58.31	74.00	-15.69	peak		
6		5361.280	50.64	-2.79	47.85	54.00	-6.15	AVG		

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2023/11/16
Test Frequency	5270MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



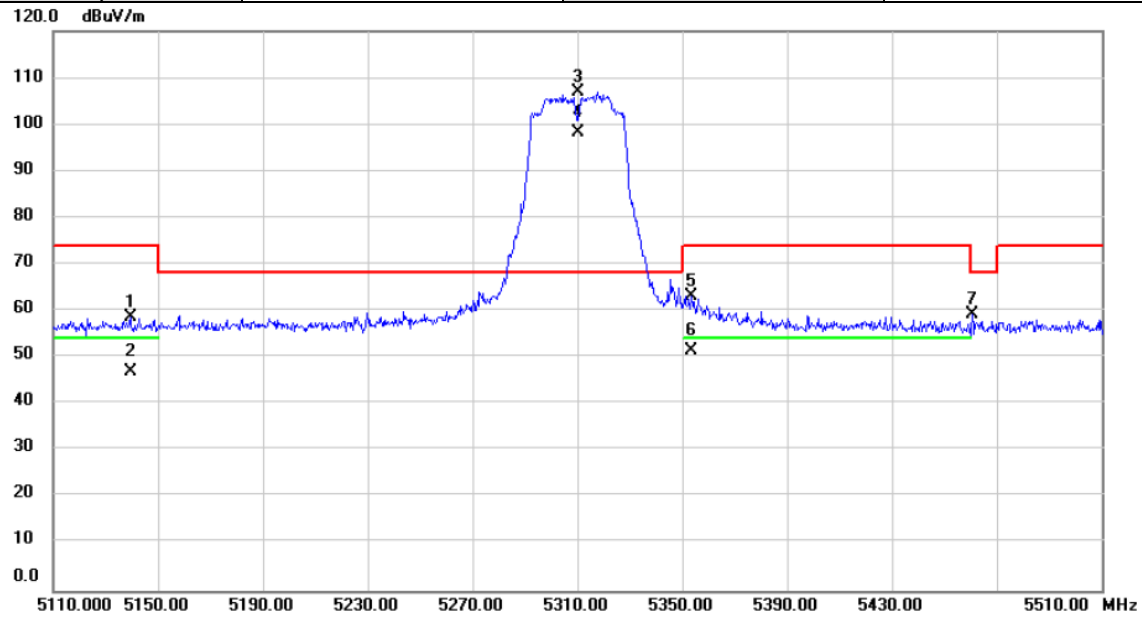
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5147.160	61.81	-3.15	58.66	74.00	-15.34	peak		
2		5147.160	51.79	-3.15	48.64	54.00	-5.36	AVG		
3	*	5270.000	115.25	-2.94	112.31	68.20	44.11	peak		No Limit
4	X	5270.000	106.81	-2.94	103.87	68.20	35.67	AVG		No Limit
5		5355.293	65.94	-2.79	63.15	74.00	-10.85	peak		
6		5355.293	54.13	-2.79	51.34	54.00	-2.66	AVG		
7		5467.573	59.59	-2.60	56.99	68.20	-11.21	peak		

REMARKS:

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

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2023/11/16
Test Frequency	5310MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

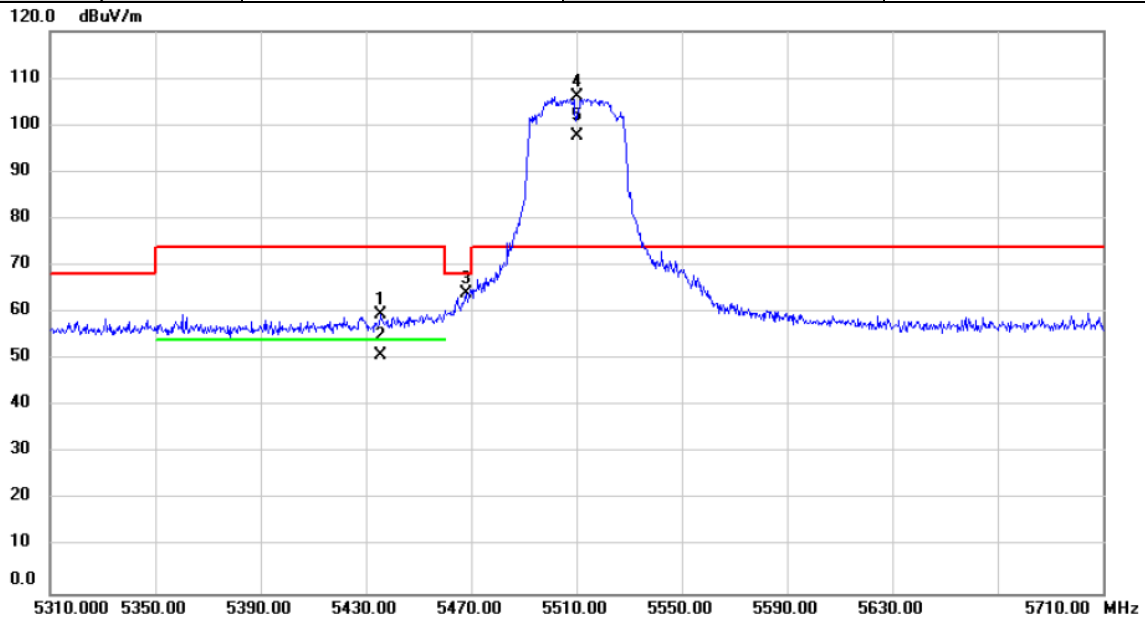


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5139.373	61.75	-3.16	58.59	74.00	-15.41	peak		
2		5139.373	50.25	-3.16	47.09	54.00	-6.91	AVG		
3	*	5310.000	109.72	-2.87	106.85	68.20	38.65	peak		No Limit
4	X	5310.000	101.05	-2.87	98.18	68.20	29.98	AVG		No Limit
5		5353.507	66.09	-2.80	63.29	74.00	-10.71	peak		
6		5353.507	54.26	-2.80	51.46	54.00	-2.54	AVG		
7		5460.560	61.74	-2.61	59.13	68.20	-9.07	peak		

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2023/11/16
Test Frequency	5510MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

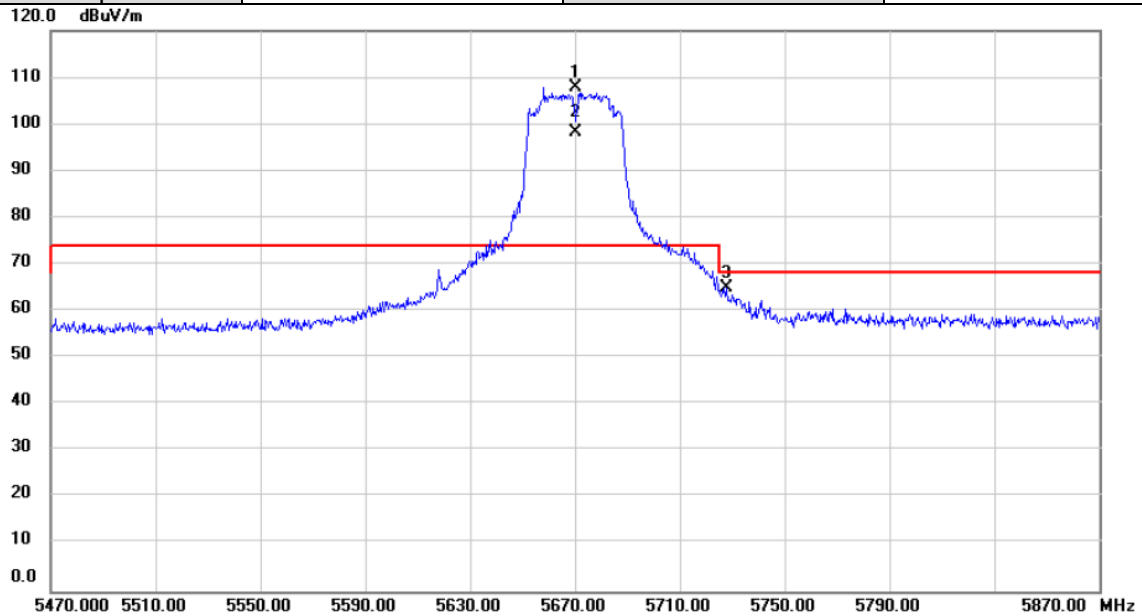


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5435.440	62.28	-2.65	59.63	74.00	-14.37	peak		
2		5435.440	53.41	-2.65	50.76	54.00	-3.24	AVG		
3		5467.933	66.53	-2.60	63.93	68.20	-4.27	peak		
4	*	5510.000	108.53	-2.52	106.01	74.00	32.01	peak		No Limit
5	X	5510.000	100.14	-2.52	97.62	74.00	23.62	AVG		No Limit

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2023/11/16
Test Frequency	5670MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

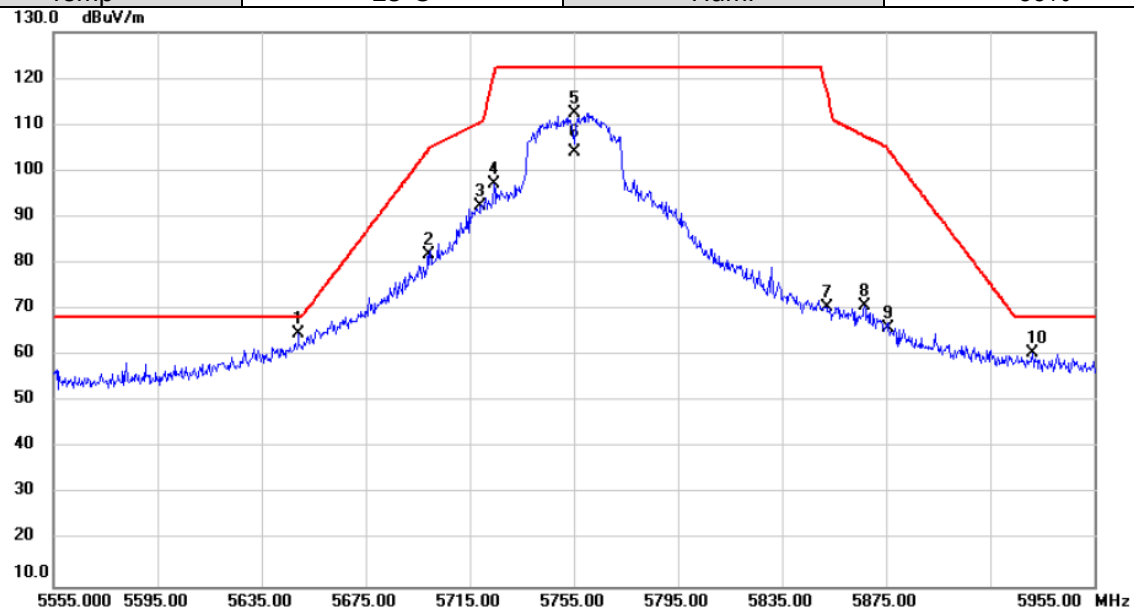


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	5670.000	110.12	-2.18	107.94	74.00	33.94	peak		No Limit
2	X	5670.000	100.46	-2.18	98.28	74.00	24.28	AVG		No Limit
3		5727.787	67.07	-2.06	65.01	68.20	-3.19	peak		

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2023/11/16
Test Frequency	5755MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

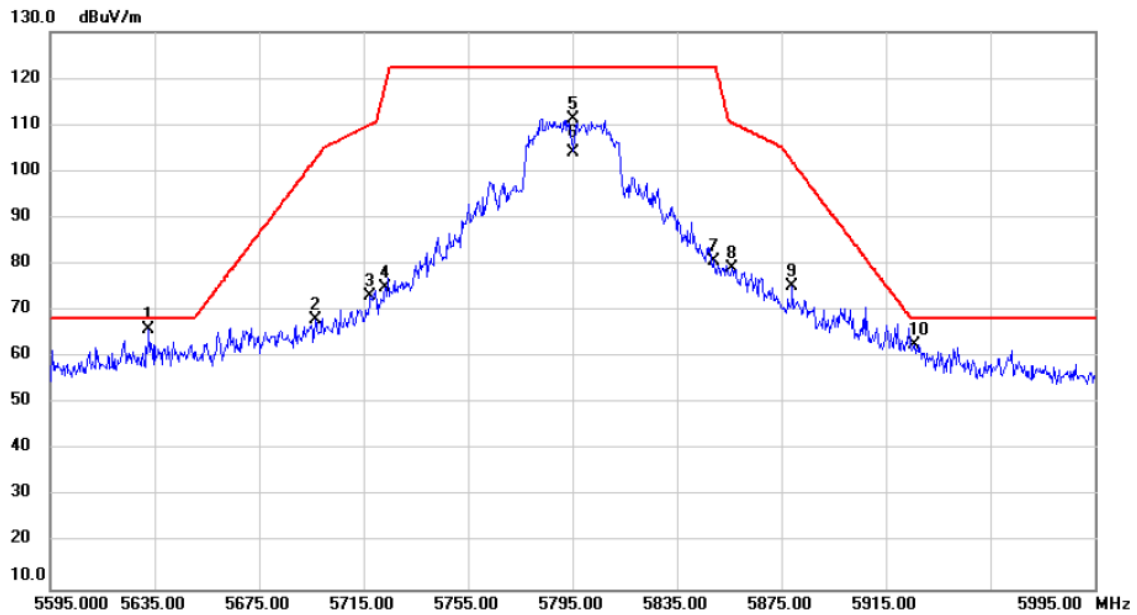


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1 *	5649.227	66.86	-2.22	64.64	68.20	-3.56	peak		
2	5699.080	84.00	-2.12	81.88	104.52	-22.64	peak		
3	5719.253	94.39	-2.08	92.31	110.59	-18.28	peak		
4	5724.547	99.13	-2.07	97.06	121.17	-24.11	peak		
5	5755.000	114.57	-2.00	112.57	122.20	-9.63	peak		No Limit
6	5755.000	106.08	-2.00	104.08	122.20	-18.12	AVG		No Limit
7	5852.147	72.27	-1.81	70.46	117.30	-46.84	peak		
8	5866.960	72.42	-1.77	70.65	107.45	-36.80	peak		
9	5875.800	67.79	-1.74	66.05	104.61	-38.56	peak		
10	5931.267	62.28	-1.64	60.64	68.20	-7.56	peak		

REMARKS:

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

Test Mode	IEEE 802.11n (HT40)	Test Date	2023/11/16
Test Frequency	5795MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



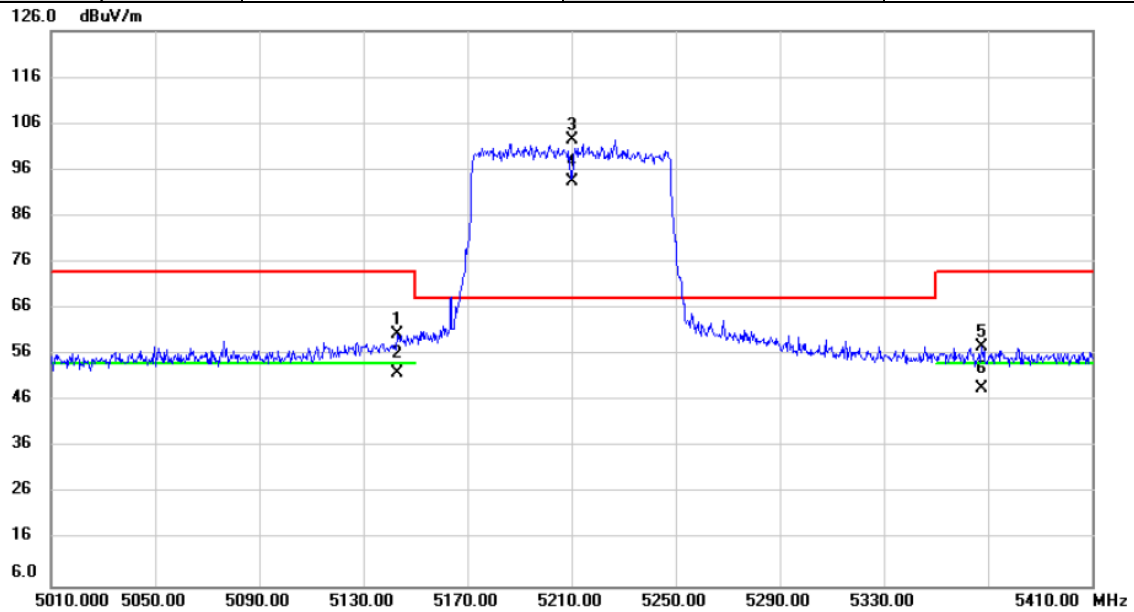
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	5632.787	68.14	-2.26	65.88	68.20	-2.32	peak		
2		5696.613	70.03	-2.12	67.91	102.69	-34.78	peak		
3		5717.533	75.34	-2.09	73.25	110.11	-36.86	peak		
4		5723.347	76.96	-2.07	74.89	118.43	-43.54	peak		
5		5795.000	113.17	-1.93	111.24	122.20	-10.96	peak		No Limit
6		5795.000	105.92	-1.93	103.99	122.20	-18.21	AVG		No Limit
7		5849.400	82.42	-1.81	80.61	122.20	-41.59	peak		
8		5856.160	80.82	-1.79	79.03	110.48	-31.45	peak		
9		5879.147	77.11	-1.74	75.37	102.13	-26.76	peak		
10		5925.747	64.42	-1.64	62.78	68.20	-5.42	peak		

REMARKS:

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

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2023/11/16
Test Frequency	5210MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

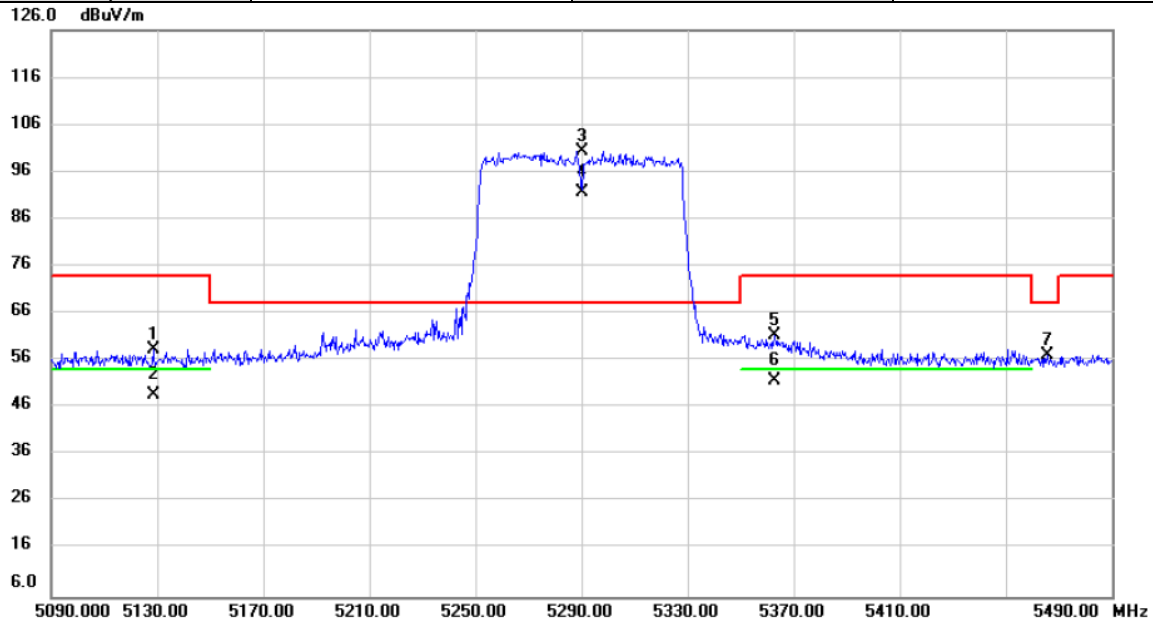


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	5143.187	63.61	-3.17	60.44	74.00	-13.56	peak		
2	5143.187	55.15	-3.17	51.98	54.00	-2.02	AVG		
3 *	5210.000	105.35	-3.04	102.31	68.20	34.11	peak		No Limit
4 X	5210.000	96.54	-3.04	93.50	68.20	25.30	AVG		No Limit
5	5367.440	60.40	-2.77	57.63	74.00	-16.37	peak		
6	5367.440	51.42	-2.77	48.65	54.00	-5.35	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2023/11/16
Test Frequency	5290MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

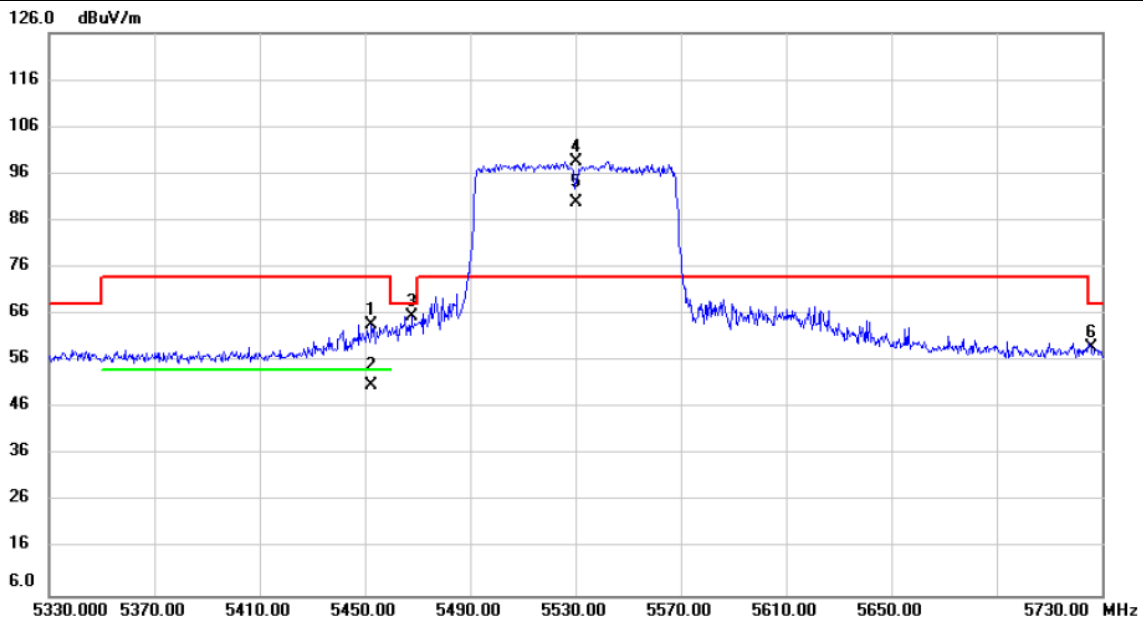


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		5128.480	61.63	-3.19	58.44	74.00	-15.56	peak		
2		5128.480	51.99	-3.19	48.80	54.00	-5.20	AVG		
3	*	5290.000	103.22	-2.91	100.31	68.20	32.11	peak		No Limit
4	X	5290.000	94.63	-2.91	91.72	68.20	23.52	AVG		No Limit
5		5362.813	64.10	-2.78	61.32	74.00	-12.68	peak		
6		5362.813	54.63	-2.78	51.85	54.00	-2.15	AVG		
7		5465.773	59.82	-2.60	57.22	68.20	-10.98	peak		

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2023/11/16
Test Frequency	5530MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

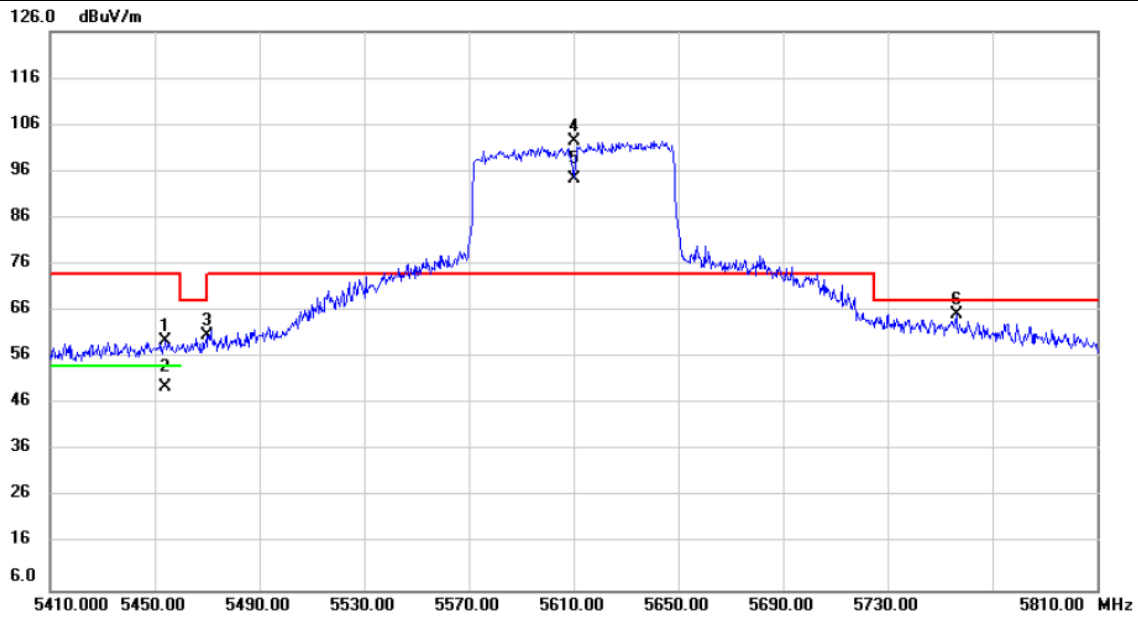


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	5452.493	66.48	-2.63	63.85	74.00	-10.15	peak		
2	5452.493	53.37	-2.63	50.74	54.00	-3.26	AVG		
3	5467.840	68.19	-2.60	65.59	68.20	-2.61	peak		
4 *	5530.000	101.02	-2.47	98.55	74.00	24.55	peak		No Limit
5 X	5530.000	92.35	-2.47	89.88	74.00	15.88	AVG		No Limit
6	5725.747	61.13	-2.06	59.07	68.20	-9.13	peak		

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2023/11/16
Test Frequency	5610MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



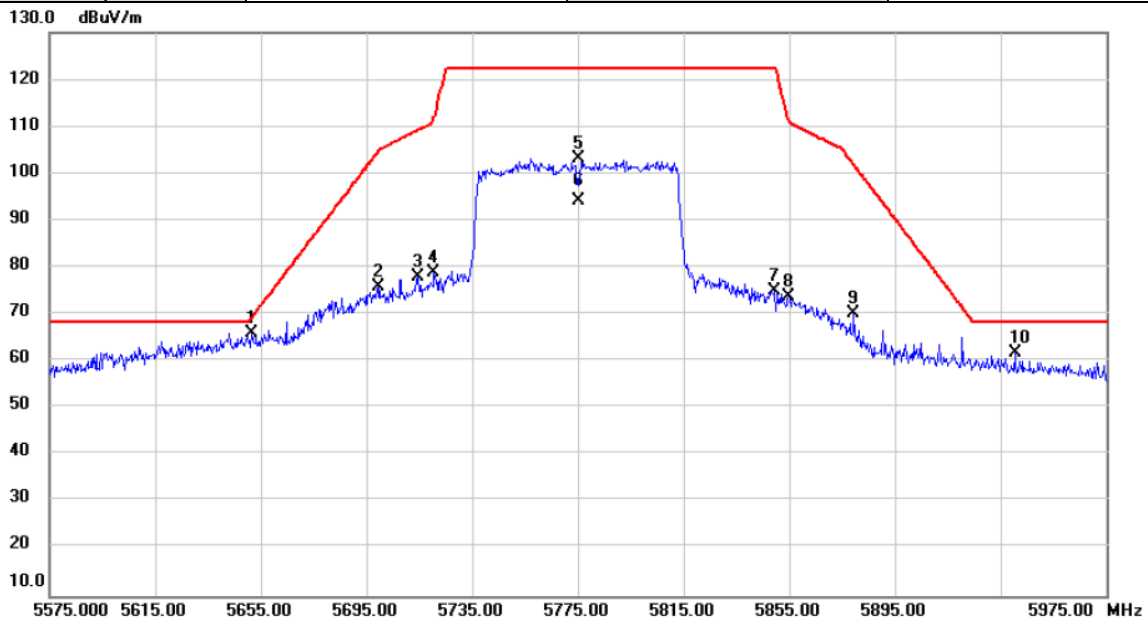
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5454.187	62.16	-2.63	59.53	74.00	-14.47	peak		
2		5454.187	52.38	-2.63	49.75	54.00	-4.25	AVG		
3		5470.147	63.24	-2.59	60.65	74.00	-13.35	peak		
4	*	5610.000	104.91	-2.31	102.60	74.00	28.60	peak		No Limit
5	X	5610.000	96.75	-2.31	94.44	74.00	20.44	AVG		No Limit
6		5756.320	67.20	-2.00	65.20	68.20	-3.00	peak		

REMARKS:

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

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

Test Mode	IEEE 802.11ac (VHT80)	Test Date	2023/11/16
Test Frequency	5775MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

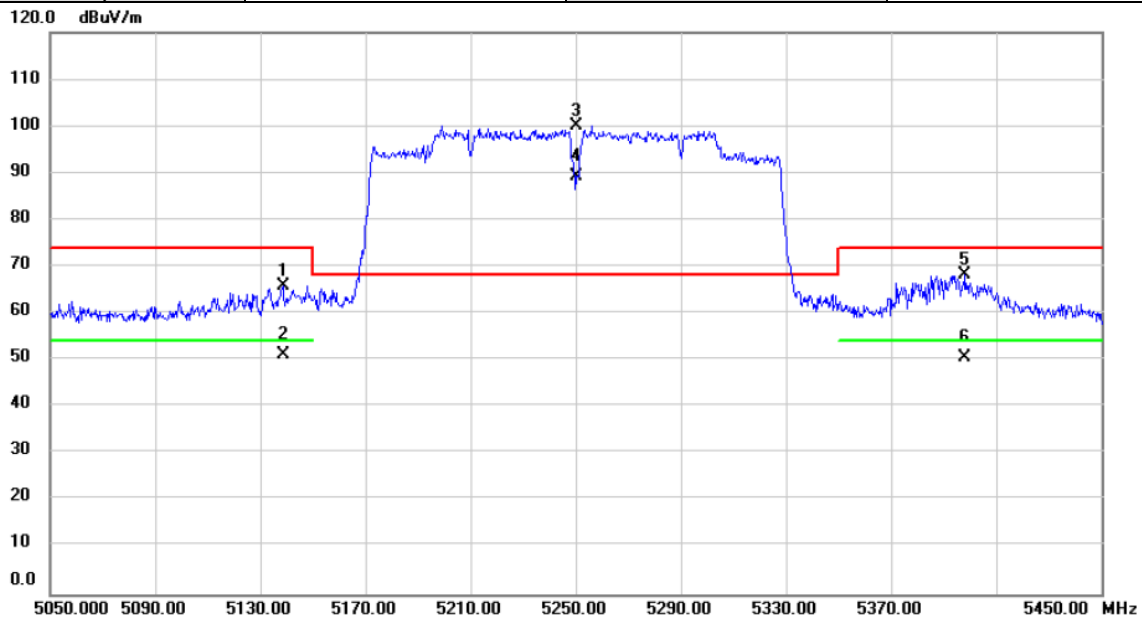


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	5651.387	68.24	-2.22	66.02	69.23	-3.21	peak		
2		5699.760	77.93	-2.12	75.81	105.02	-29.21	peak		
3		5714.680	79.91	-2.09	77.82	109.31	-31.49	peak		
4		5720.560	80.91	-2.08	78.83	112.08	-33.25	peak		
5		5775.000	105.17	-1.96	103.21	122.20	-18.99	peak		No Limit
6		5775.000	96.18	-1.96	94.22	122.20	-27.98	AVG		No Limit
7		5849.413	76.67	-1.81	74.86	122.20	-47.34	peak		
8		5854.720	75.56	-1.80	73.76	111.44	-37.68	peak		
9		5879.520	71.81	-1.74	70.07	101.86	-31.79	peak		
10		5940.360	63.45	-1.61	61.84	68.20	-6.36	peak		

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT160)	Test Date	2023/11/20
Test Frequency	5250MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

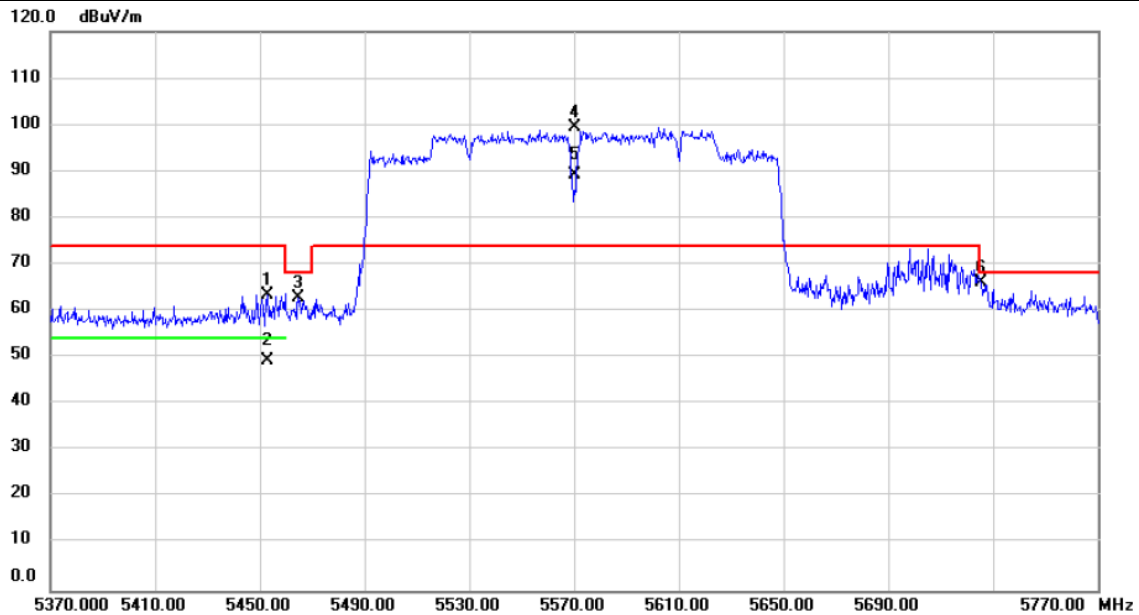


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	5138.667	69.03	-3.16	65.87	74.00	-8.13	peak		
2	5138.667	54.25	-3.16	51.09	54.00	-2.91	AVG		
3 *	5250.000	102.94	-2.98	99.96	68.20	31.76	peak		No Limit
4 X	5250.000	92.20	-2.98	89.22	68.20	21.02	AVG		No Limit
5	5398.133	71.04	-2.71	68.33	74.00	-5.67	peak		
6	5398.133	53.19	-2.71	50.48	54.00	-3.52	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ac (VHT160)	Test Date	2023/11/20
Test Frequency	5570MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



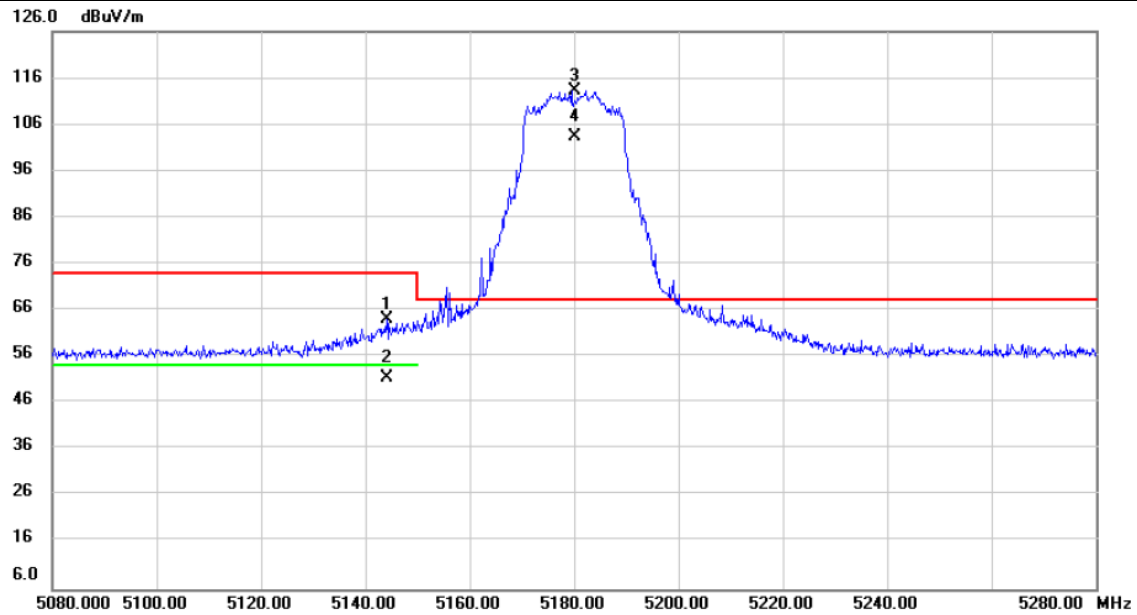
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5452.827	66.10	-2.63	63.47	74.00	-10.53	peak		
2		5452.827	52.05	-2.63	49.42	54.00	-4.58	AVG		
3		5464.760	65.54	-2.61	62.93	68.20	-5.27	peak		
4	*	5570.000	101.86	-2.39	99.47	74.00	25.47	peak		No Limit
5	X	5570.000	91.78	-2.39	89.39	74.00	15.39	AVG		No Limit
6		5725.600	68.10	-2.06	66.04	68.20	-2.16	peak		

REMARKS:

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

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/11/16
Test Frequency	5180MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

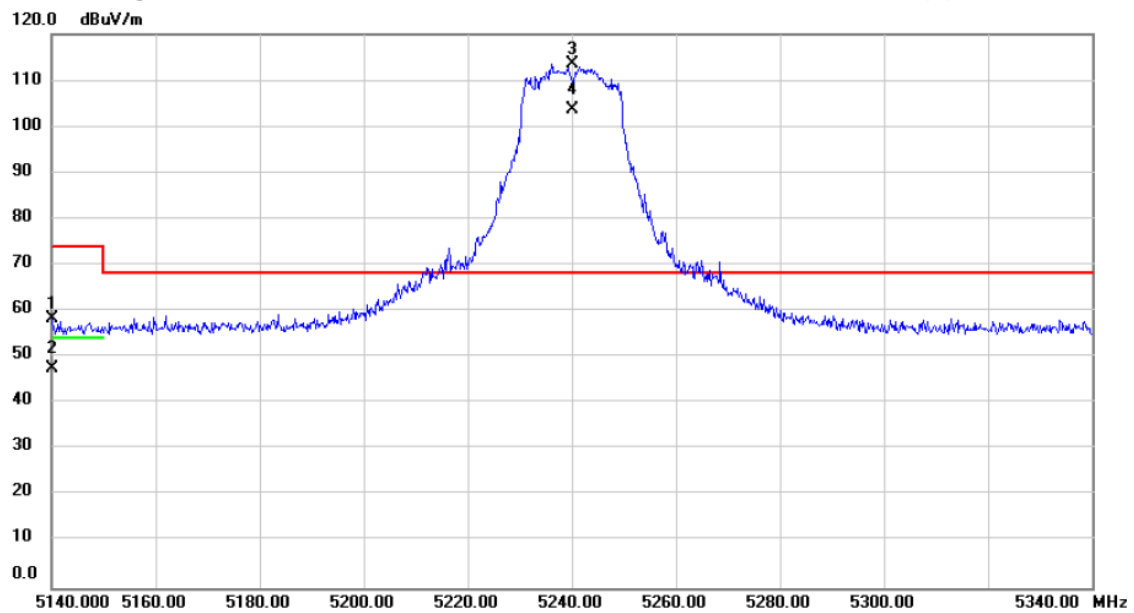


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5144.147	67.28	-3.17	64.11	74.00	-9.89	peak		
2		5144.147	54.56	-3.17	51.39	54.00	-2.61	AVG		
3	*	5180.000	116.23	-3.09	113.14	68.20	44.94	peak		No Limit
4	X	5180.000	106.56	-3.09	103.47	68.20	35.27	AVG		No Limit

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/11/16
Test Frequency	5240MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

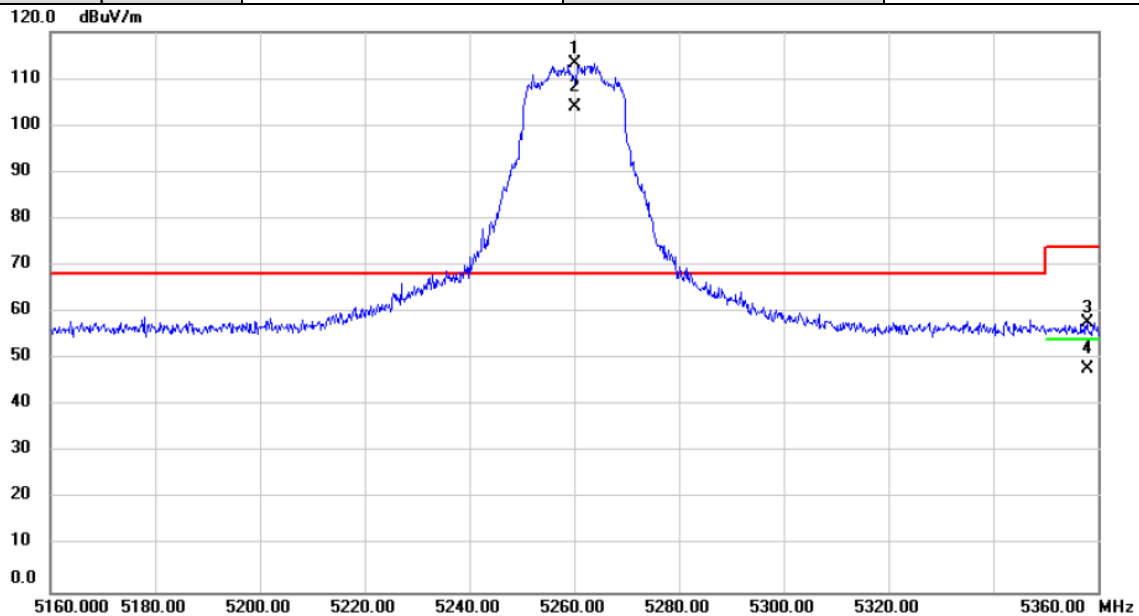


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5140.000	61.48	-3.17	58.31	74.00	-15.69	peak		
2		5140.000	50.84	-3.17	47.67	54.00	-6.33	AVG		
3	*	5240.000	116.43	-2.99	113.44	68.20	45.24	peak		No Limit
4	X	5240.000	106.76	-2.99	103.77	68.20	35.57	AVG		No Limit

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/11/16
Test Frequency	5260MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

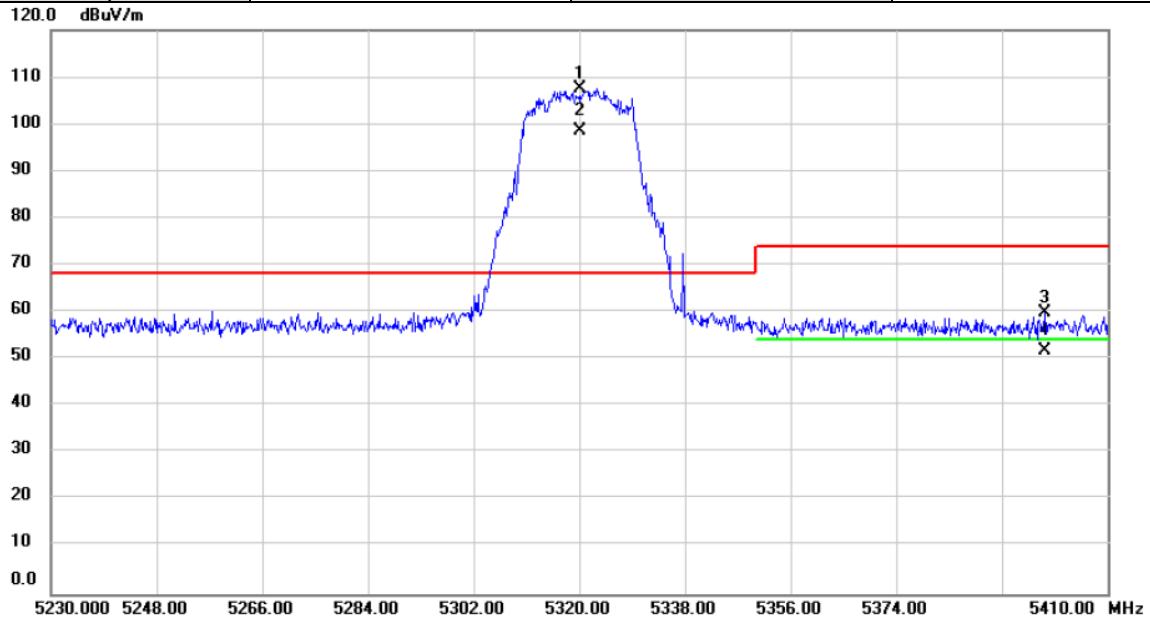


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	5260.000	116.15	-2.96	113.19	68.20	44.99	peak		No Limit
2	X	5260.000	106.77	-2.96	103.81	68.20	35.61	AVG		No Limit
3		5357.920	60.53	-2.78	57.75	74.00	-16.25	peak		
4		5357.920	50.58	-2.78	47.80	54.00	-6.20	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/11/16
Test Frequency	5320MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



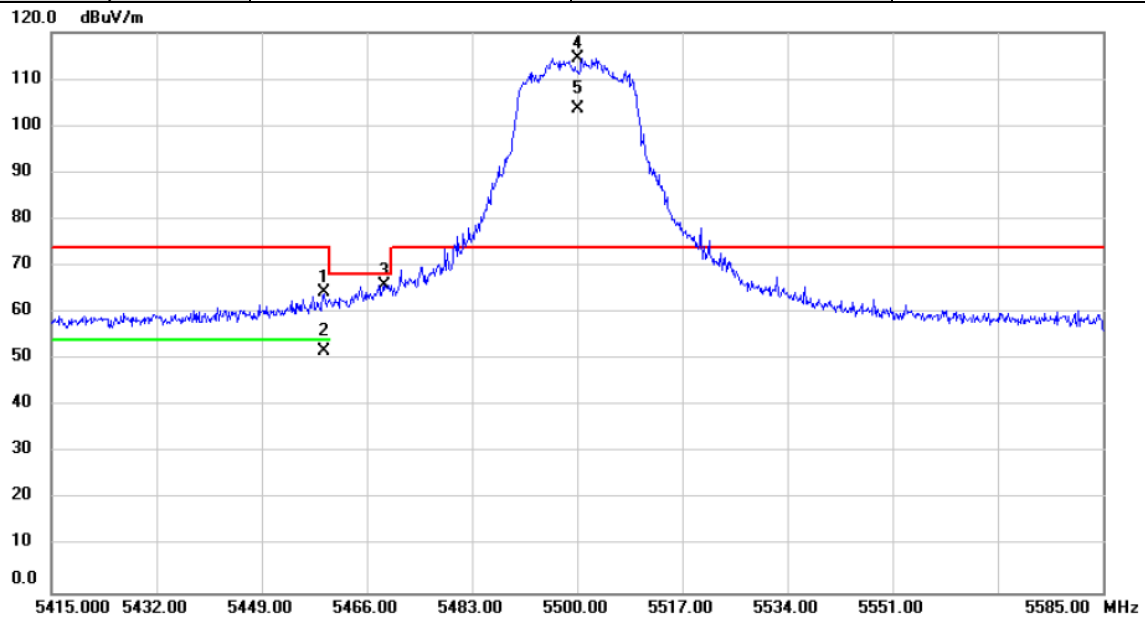
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	5320.000	110.43	-2.86	107.57	68.20	39.37	peak		No Limit
2	X	5320.000	101.38	-2.86	98.52	68.20	30.32	AVG		No Limit
3		5399.230	62.46	-2.71	59.75	74.00	-14.25	peak		
4		5399.230	54.35	-2.71	51.64	54.00	-2.36	AVG		

REMARKS:

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

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/11/16
Test Frequency	5500MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

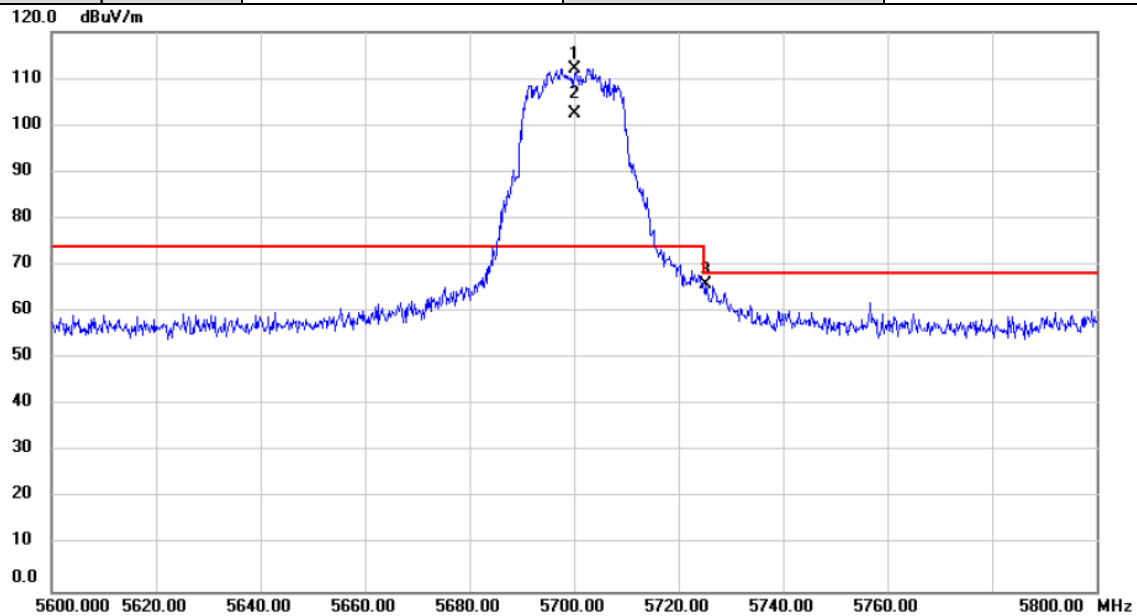


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5459.166	66.81	-2.61	64.20	74.00	-9.80	peak		
2		5459.166	54.28	-2.61	51.67	54.00	-2.33	AVG		
3		5468.822	68.54	-2.59	65.95	68.20	-2.25	peak		
4	*	5500.000	117.01	-2.54	114.47	74.00	40.47	peak		No Limit
5	X	5500.000	106.10	-2.54	103.56	74.00	29.56	AVG		No Limit

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/11/16
Test Frequency	5700MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

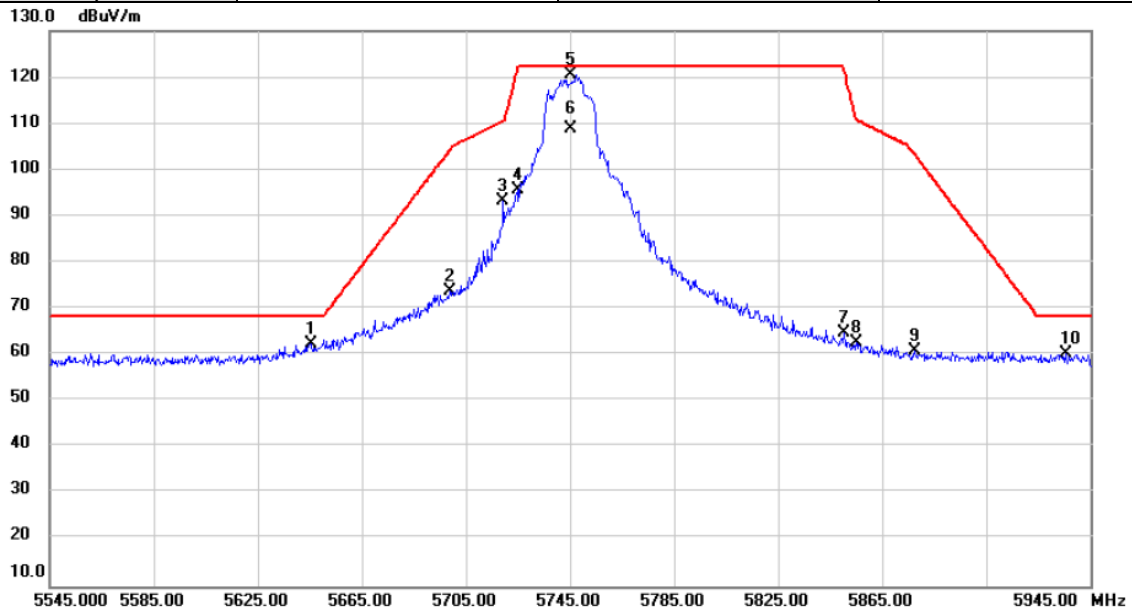


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	5700.000	114.30	-2.12	112.18	74.00	38.18	peak		No Limit
2	X	5700.000	104.48	-2.12	102.36	74.00	28.36	AVG		No Limit
3		5725.300	67.78	-2.06	65.72	68.20	-2.48	peak		

REMARKS:

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/11/16
Test Frequency	5745MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



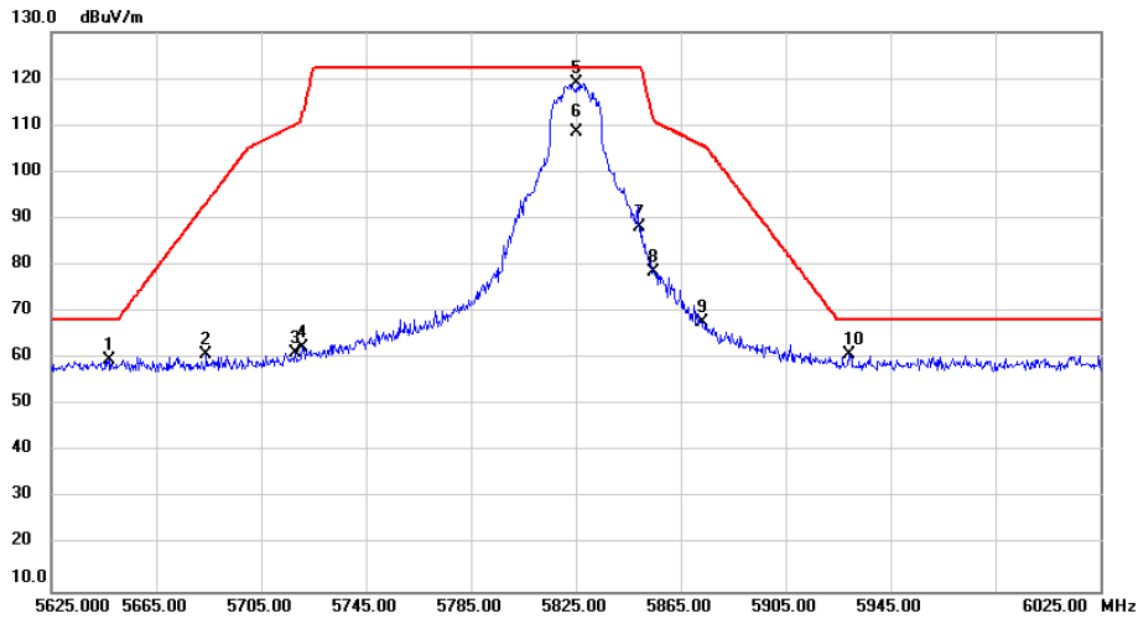
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5645.373	64.45	-2.23	62.22	68.20	-5.98	peak		
2		5698.667	75.75	-2.12	73.63	104.21	-30.58	peak		
3		5719.293	95.43	-2.08	93.35	110.60	-17.25	peak		
4		5724.947	97.58	-2.07	95.51	122.08	-26.57	peak		
5	*	5745.000	122.54	-2.03	120.51	122.20	-1.69	peak		No Limit
6		5745.000	111.03	-2.03	109.00	122.20	-13.20	AVG		No Limit
7		5850.320	66.53	-1.81	64.72	121.47	-56.75	peak		
8		5855.240	64.56	-1.80	62.76	110.73	-47.97	peak		
9		5877.440	62.44	-1.74	60.70	103.39	-42.69	peak		
10		5935.773	61.83	-1.62	60.21	68.20	-7.99	peak		

REMARKS:

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

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

Test Mode	IEEE 802.11ax (HE20)	Test Date	2023/11/16
Test Frequency	5825MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



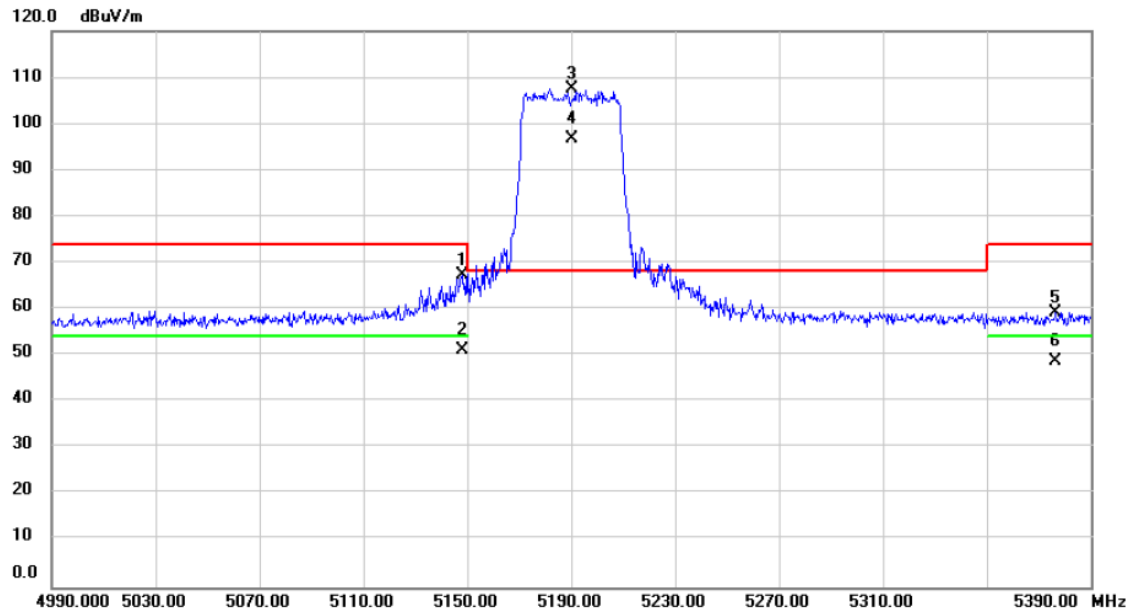
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5646.893	61.94	-2.22	59.72	68.20	-8.48	peak		
2		5684.027	63.07	-2.15	60.92	93.38	-32.46	peak		
3		5718.187	63.37	-2.08	61.29	110.29	-49.00	peak		
4		5720.987	64.44	-2.08	62.36	113.05	-50.69	peak		
5 *		5825.000	120.92	-1.86	119.06	122.20	-3.14	peak		
6		5825.000	110.45	-1.86	108.59	122.20	-13.61	AVG		
7		5849.160	89.91	-1.81	88.10	122.20	-34.10	peak		
8		5854.680	80.22	-1.80	78.42	111.53	-33.11	peak		
9		5873.000	69.56	-1.76	67.80	105.76	-37.96	peak		
10		5929.440	62.38	-1.64	60.74	68.20	-7.46	peak		

REMARKS:

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

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2023/11/20
Test Frequency	5190MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



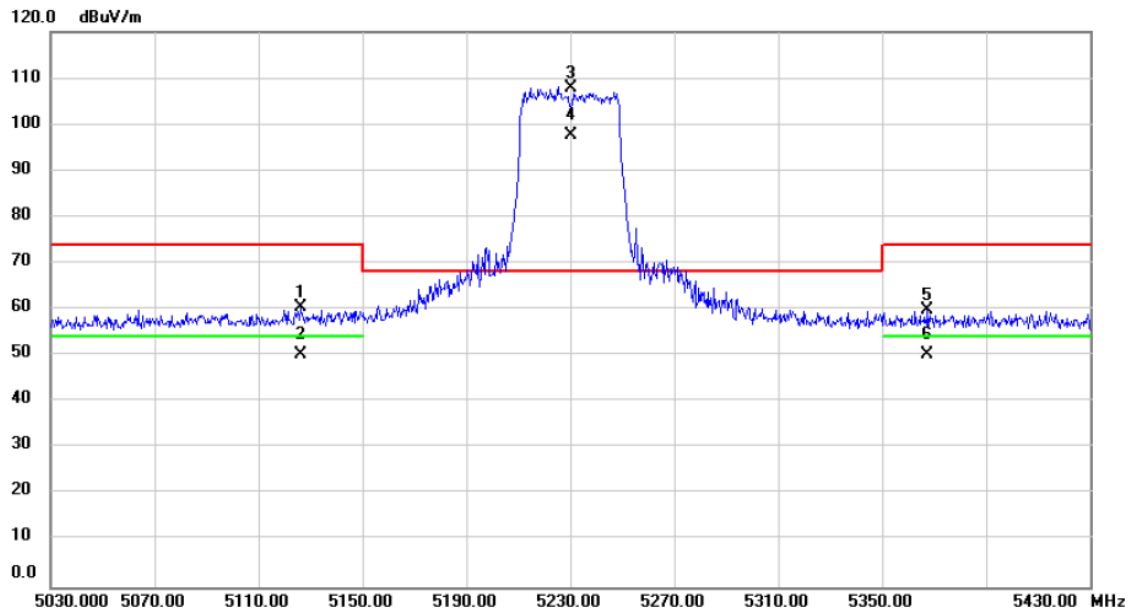
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Detector	Comment
1	5147.947	70.37	-3.15	67.22	74.00	-6.78			peak	
2	5147.947	54.39	-3.15	51.24	54.00	-2.76			AVG	
3 *	5190.000	110.55	-3.08	107.47	68.20	39.27			peak	No Limit
4 X	5190.000	99.77	-3.08	96.69	68.20	28.49			AVG	No Limit
5	5376.413	62.14	-2.76	59.38	74.00	-14.62			peak	
6	5376.413	51.62	-2.76	48.86	54.00	-5.14			AVG	

REMARKS:

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

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2023/11/20
Test Frequency	5230MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%

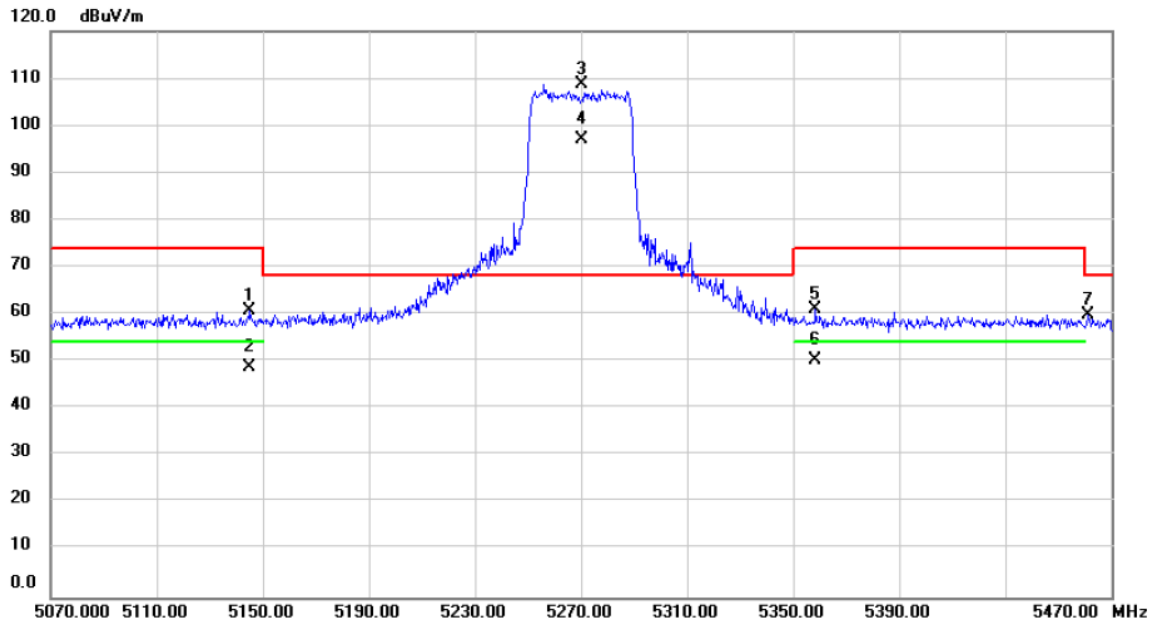


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5126.360	63.61	-3.19	60.42	74.00	-13.58	peak		
2		5126.360	53.41	-3.19	50.22	54.00	-3.78	AVG		
3	*	5230.000	111.01	-3.01	108.00	68.20	39.80	peak		No Limit
4	X	5230.000	100.68	-3.01	97.67	68.20	29.47	AVG		No Limit
5		5367.387	62.47	-2.77	59.70	74.00	-14.30	peak		
6		5367.387	52.88	-2.77	50.11	54.00	-3.89	AVG		

REMARKS:

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

Test Mode	IEEE 802.11ax (HE40)	Test Date	2023/11/20
Test Frequency	5270MHz	Polarization	Horizontal
Temp	23°C	Hum.	60%



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		5145.133	63.79	-3.15	60.64	74.00	-13.36	peak			
2		5145.133	51.85	-3.15	48.70	54.00	-5.30	AVG			
3	*	5270.000	111.79	-2.94	108.85	68.20	40.65	peak			No Limit
4	X	5270.000	100.13	-2.94	97.19	68.20	28.99	AVG			No Limit
5		5358.440	63.77	-2.78	60.99	74.00	-13.01	peak			
6		5358.440	52.99	-2.78	50.21	54.00	-3.79	AVG			
7		5461.173	62.34	-2.61	59.73	68.20	-8.47	peak			

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